

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107815.D
 Acq On : 30 Jul 2018 22:07
 Operator : JU/SJ
 Sample : J4164-04MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

Manual Integrations
 APPROVED

Sohil
 7/31/2018 2:42:44 PM

Quant Time: Jul 31 03:36:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	211643	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	811182	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	349775	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	604530	20.00	ng	0.00
75) Chrysene-d12	14.15	240	420804	20.00	ng	0.00
86) Perylene-d12	15.68	264	544517	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1414474	113.59	ng	0.01
7) Phenol-d6	6.61	99	1725422	105.13	ng	0.00
23) Nitrobenzene-d5	7.53	82	1159349	82.34	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	489664	103.03	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1962386	78.18	ng	0.00
78) Terphenyl-d14	13.08	244	1615053	83.22	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.85	88	178038	32.588	ng	# 85
3) Pyridine	3.64	79	448111	32.914	ng	# 83
4) n-Nitrosodimethylamine	3.62	42	138473	21.854	ng	# 96
6) Aniline	6.64	93	530161	31.057	ng	# 59
8) 2-Chlorophenol	6.76	128	590634	37.758	ng	# 97
9) Benzaldehyde	6.52	77	289943	29.281	ng	# 99
10) Phenol	6.62	94	693094	35.412	ng	# 88
11) bis(2-Chloroethyl)ether	6.70	93	543811	31.247	ng	# 94
12) 1,3-Dichlorobenzene	6.90	146	591960	36.082	ng	# 98
13) 1,4-Dichlorobenzene	6.98	146	653768	35.798	ng	# 99
14) 1,2-Dichlorobenzene	7.13	146	552922	32.615	ng	# 99
15) Benzyl Alcohol	7.11	79	421486	41.318	ng	# 99
16) 2,2'-oxybis(1-Chloropropan	7.23	45	949594	37.950	ng	# 65
17) 2-Methylphenol	7.22	107	478143	41.407	ng	# 80
18) Hexachloroethane	7.47	117	220438	33.580	ng	# 97
19) n-Nitroso-di-n-propylamine	7.37	70	406437	39.039	ng	# 99
20) 3+4-Methylphenols	7.38	107	634081	44.725	ng	# 61
22) Acetophenone	7.37	105	841559	43.121	ng	# 91
24) Nitrobenzene	7.55	77	571898	38.735	ng	# 98
25) Isophorone	7.78	82	1135088	49.110	ng	# 99
26) 2-Nitrophenol	7.87	139	330794	44.643	ng	# 98
27) 2,4-Dimethylphenol	7.90	122	503267	50.730	ng	# 100
28) bis(2-Chloroethoxy)methane	7.99	93	756276	49.651	ng	# 98
29) 2,4-Dichlorophenol	8.11	162	498118	44.390	ng	# 98
30) 1,2,4-Trichlorobenzene	8.18	180	512868	40.063	ng	# 99
31) Naphthalene	8.27	128	1968681	52.210	ng	# 98
32) Benzoic acid	8.00	122	58922m	10.015	ng	# 98
33) 4-Chloroaniline	8.33	127	282227	17.523	ng	# 98
34) Hexachlorobutadiene	8.37	225	295670	37.376	ng	# 98
35) Caprolactam	8.70	113	138719	41.065	ng	# 77
36) 4-Chloro-3-methylphenol	8.81	107	531506	43.613	ng	# 98
37) 2-Methylnaphthalene	8.96	142	1145841	48.377	ng	# 99
39) 1,2,4,5-Tetrachlorobenzene	9.12	216	524249	43.960	ng	# 98
40) Hexachlorocyclopentadiene	9.10	237	224085	47.020	ng	# 100

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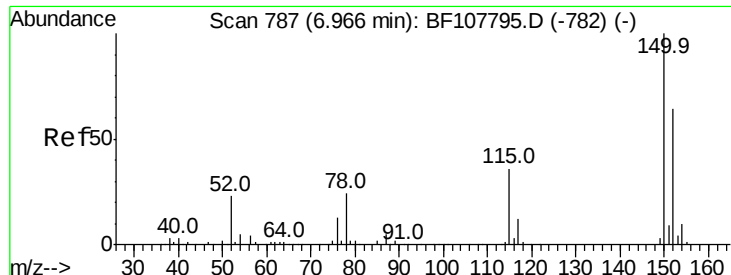
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.24	196	322477	48.913	ng	97
43) 2,4,5-Trichlorophenol	9.30	196	350551	44.167	ng	95
45) 1,1'-Biphenyl	9.42	154	1371926	43.100	ng	100
46) 2-Chloronaphthalene	9.45	162	1011792	42.151	ng	99
47) 2-Nitroaniline	9.56	65	367124	47.019	ng	91
48) Acenaphthylene	9.87	152	1674318	44.992	ng	97
49) Dimethylphthalate	9.72	163	1293023	49.224	ng	99
50) 2,6-Dinitrotoluene	9.79	165	245202	42.953	ng	# 84
51) Acenaphthene	10.04	154	954123	44.137	ng	99
52) 3-Nitroaniline	9.98	138	176717	24.566	ng	96
53) 2,4-Dinitrophenol	10.09	184	31002	17.657	ng	# 53
54) Dibenzofuran	10.21	168	1494972	44.743	ng	98
55) 4-Nitrophenol	10.15	139	217790	66.153	ng	89
56) 2,4-Dinitrotoluene	10.20	165	302999	40.383	ng	# 92
57) Fluorene	10.55	166	1280261	49.304	ng	94
58) 2,3,4,6-Tetrachlorophenol	10.34	232	299017	41.018	ng	# 82
59) Diethylphthalate	10.42	149	1176747	41.665	ng	97
60) 4-Chlorophenyl-phenylether	10.54	204	537499	37.998	ng	91
61) 4-Nitroaniline	10.60	138	226776	35.524	ng	93
62) Azobenzene	10.70	77	1108969	42.160	ng	93
64) 4,6-Dinitro-2-methylphenol	10.61	198	88410	26.882	ng	90
65) n-Nitrosodiphenylamine	10.67	169	962165	48.336	ng	99
66) 4-Bromophenyl-phenylether	11.04	248	334722	47.504	ng	# 85
67) Hexachlorobenzene	11.10	284	338162	43.279	ng	# 90
68) Atrazine	11.19	200	275916	46.834	ng	95
69) Pentachlorophenol	11.31	266	269190	69.985	ng	99
70) Phenanthrene	11.52	178	2068226	72.051	ng	98
71) Anthracene	11.58	178	1819593	54.958	ng	98
72) Carbazole	11.74	167	1417774	43.331	ng	99
73) Di-n-butylphthalate	12.04	149	1584866	44.400	ng	99
74) Fluoranthene	12.72	202	2219740	65.823	ng	98
76) Benzidine	12.85	184	741155	54.474	ng	97
77) Pyrene	12.95	202	1991837	65.734	ng	99
79) Butylbenzylphthalate	13.55	149	570874	43.022	ng	92
80) Benzo(a)anthracene	14.14	228	1539913	64.602	ng	95
81) 3,3'-Dichlorobenzidine	14.10	252	367328	39.753	ng	96
82) Chrysene	14.18	228	1517980	59.041	ng	99
83) Bis(2-ethylhexyl)phthalate	14.09	149	758936	45.496	ng	100
84) Di-n-octyl phthalate	14.72	149	1376969	51.426	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	1589341	81.270	ng	95
87) Benzo(b)fluoranthene	15.23	252	1492794	55.586	ng	98
88) Benzo(k)fluoranthene	15.26	252	1521768	46.154	ng	98
89) Benzo(a)pyrene	15.62	252	1579339	56.966	ng	98
90) Dibenzo(a,h)anthracene	17.29	278	1238449	51.211	ng	95
91) Benzo(g,h,i)perylene	17.75	276	1280039	54.703	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

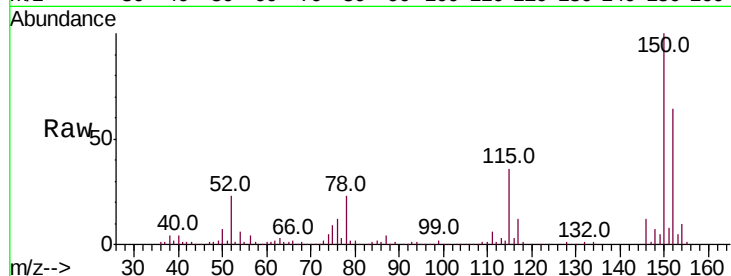
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	57.1	50.1	75.1

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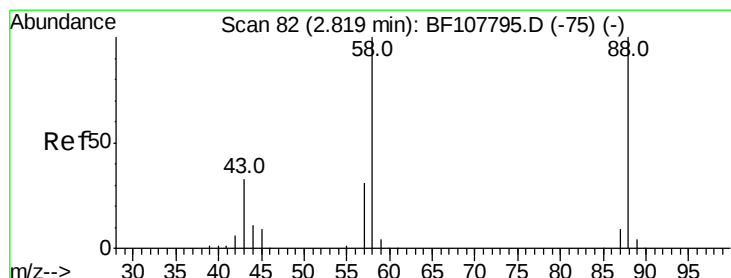
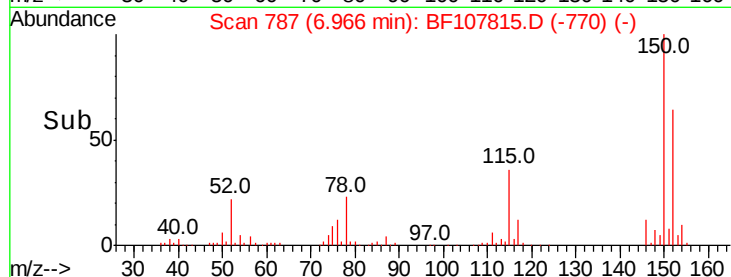
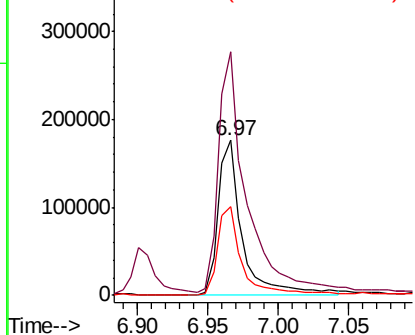


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

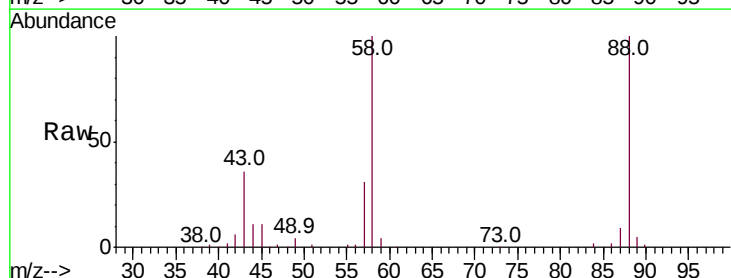
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 32.588 ng
RT: 2.85 min Scan# 88
Delta R.T. 0.04 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	95.5	62.6	93.8#
43	29.5	24.6	37.0

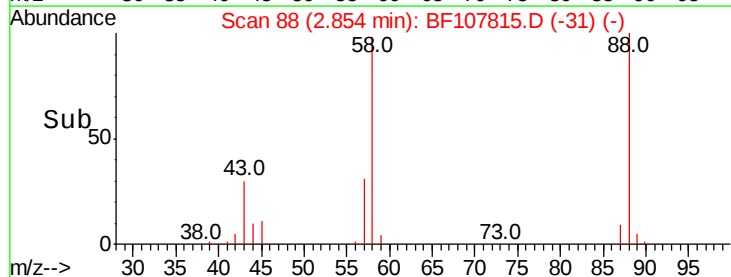
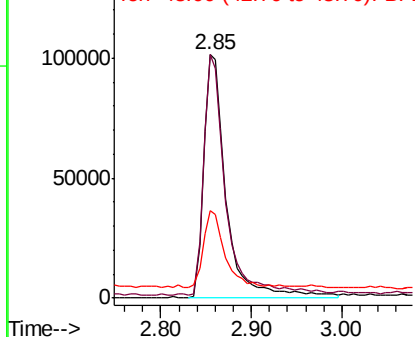


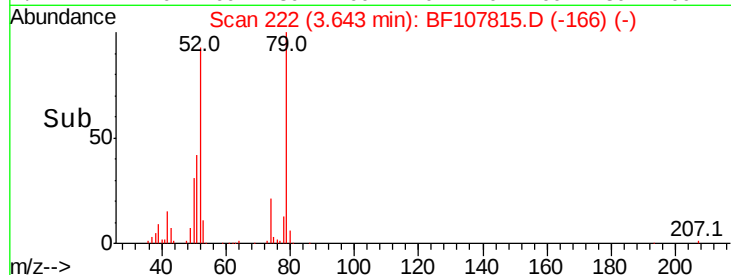
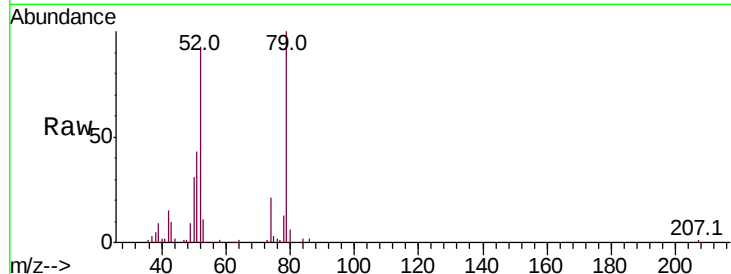
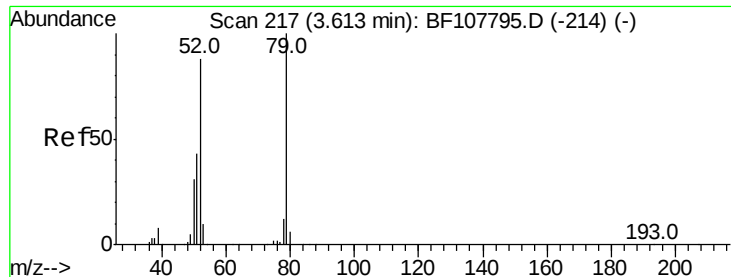
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





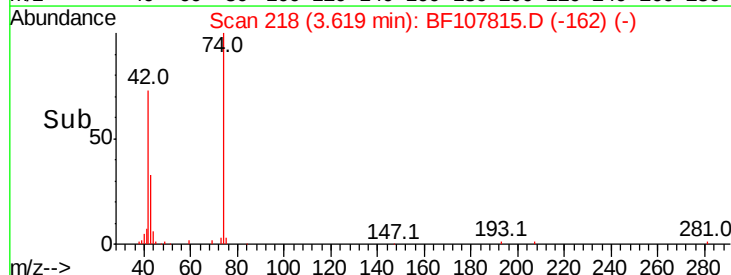
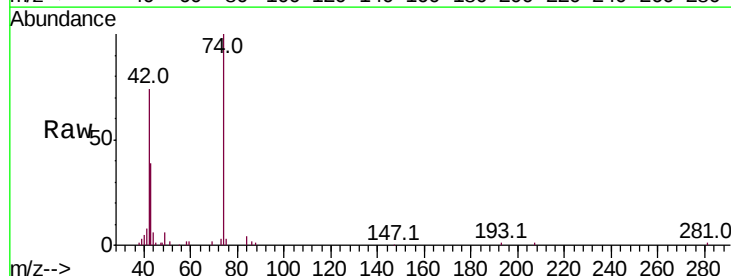
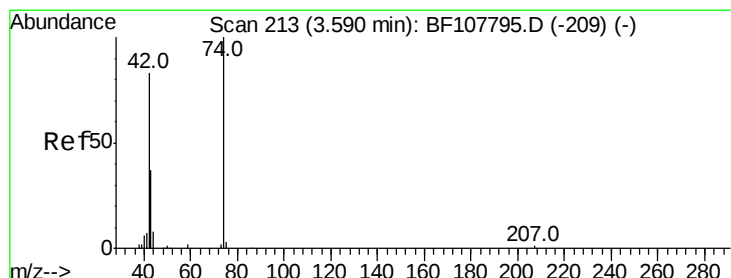
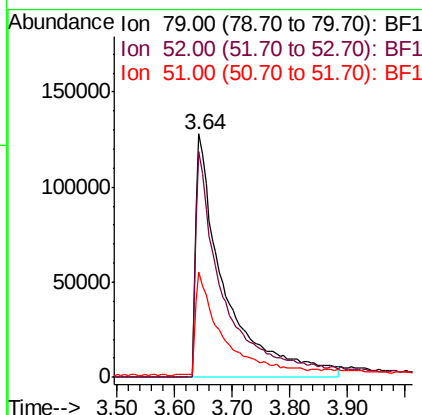
#3
Pvridine
Concen: 32.914 ng
RT: 3.64 min Scan# 222
Delta R.T. 0.03 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tot Ion	Ratio	Lower	Upper
79	100		
52	92.9	59.8	89.6#
51	43.1	29.8	44.8

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

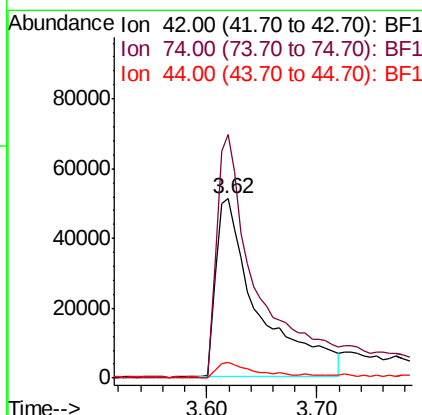
Manual Integrations
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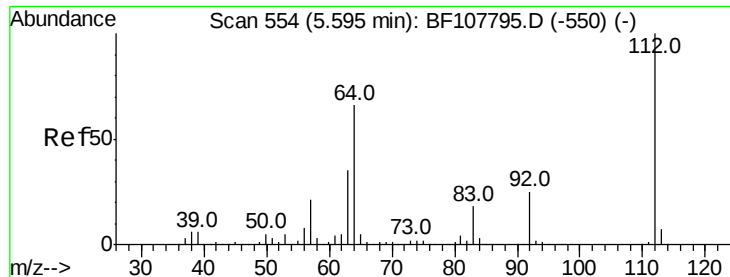
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#4
n-Nitrosodimethylamine
Concen: 21.854 ng
RT: 3.62 min Scan# 218
Delta R.T. 0.03 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
42	100		
74	135.9	104.9	157.3
44	8.8	6.9	10.3





#5

2-Fluorophenol

Concen: 113.586 ng

RT: 5.61 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

ClientSampleId :

SB-6(7-9)MSD

Tot Ion:112 Resp: 1414474

Ion Ratio Lower Upper

112 100

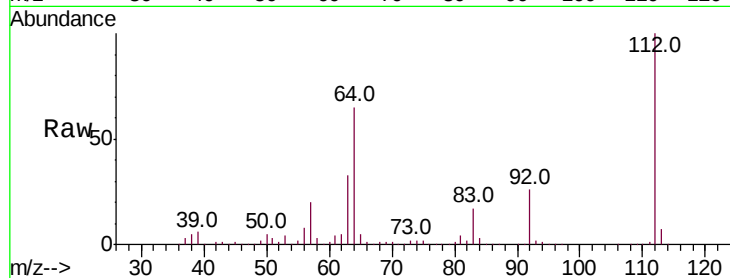
64 64.9 47.9 71.9

63 32.8 23.7 35.5

Manual Integrations
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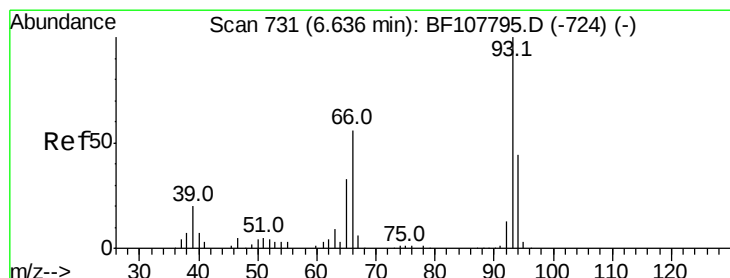
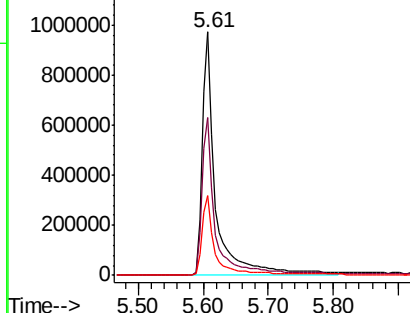
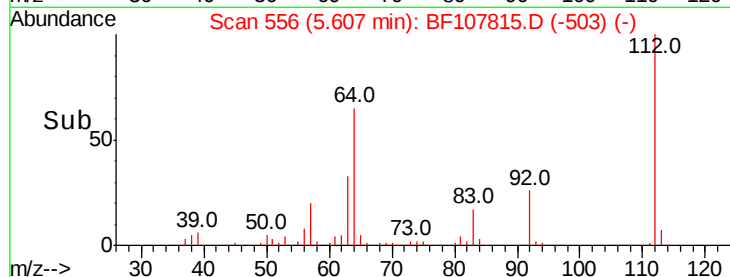
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 31.057 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

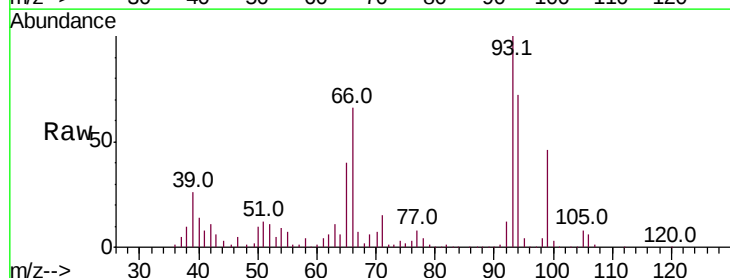
Tgt Ion: 93 Resp: 530161

Ion Ratio Lower Upper

93 100

66 65.9 32.2 48.2#

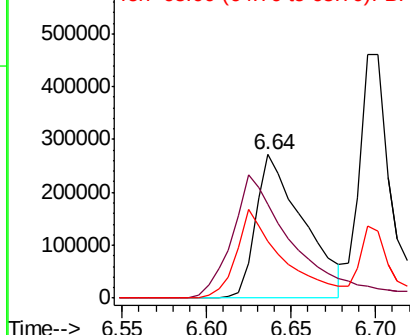
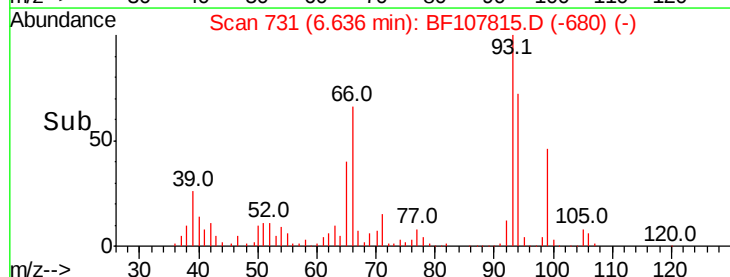
65 39.6 16.4 24.6#

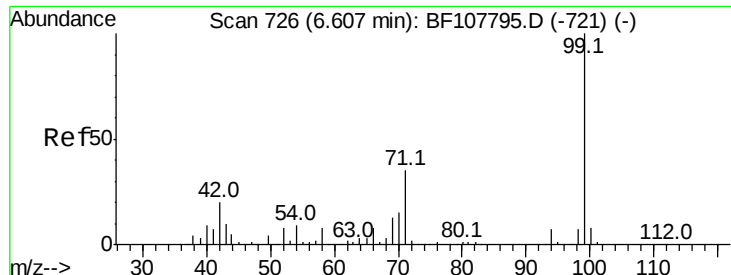


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 105.130 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

ClientSampleId :

SB-6(7-9)MSD

Tot Ion: 99 Resp: 1725422

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

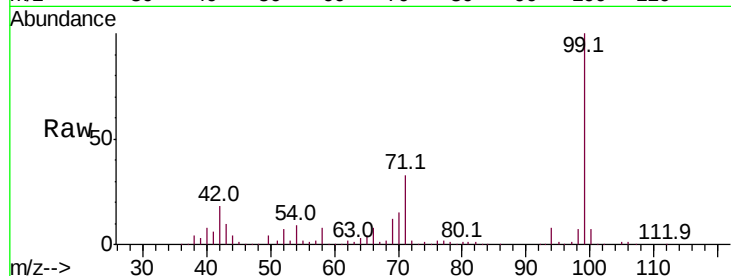
71 33.1 25.4 38.0

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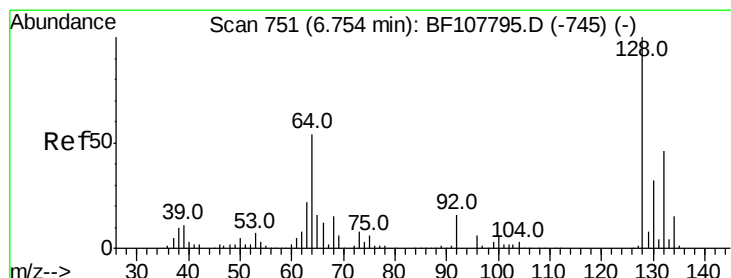
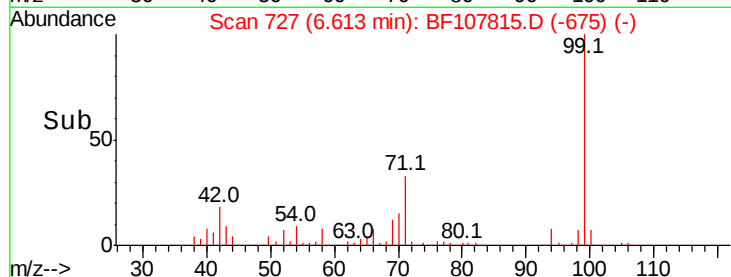
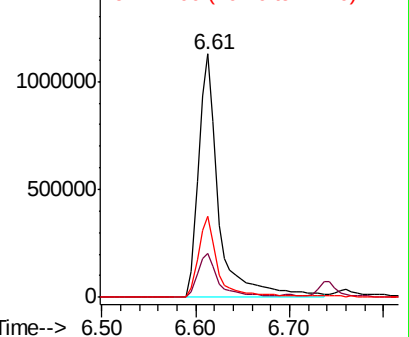
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 37.758 ng

RT: 6.76 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

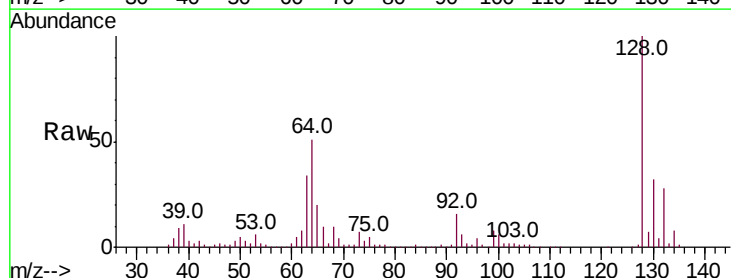
Tgt Ion:128 Resp: 590634

Ion Ratio Lower Upper

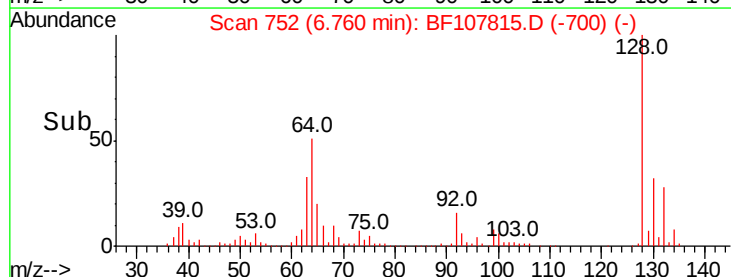
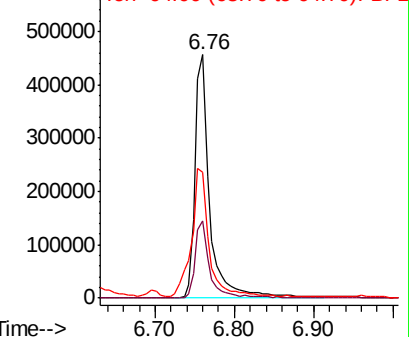
128 100

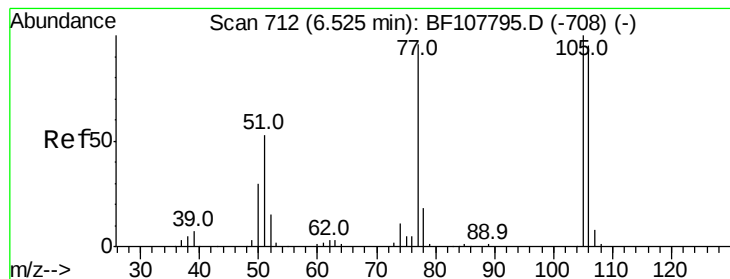
130 31.9 13.0 53.0

64 51.5 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 29.281 ng

RT: 6.52 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

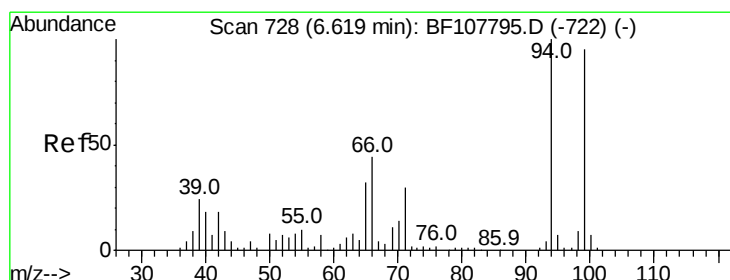
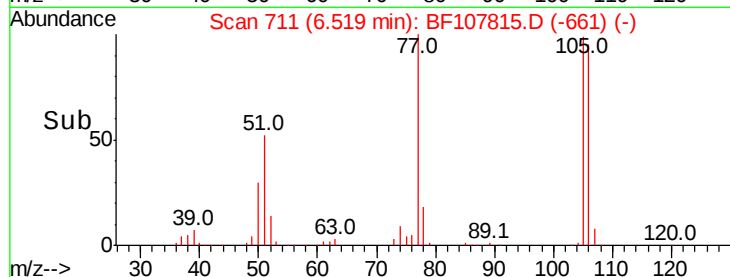
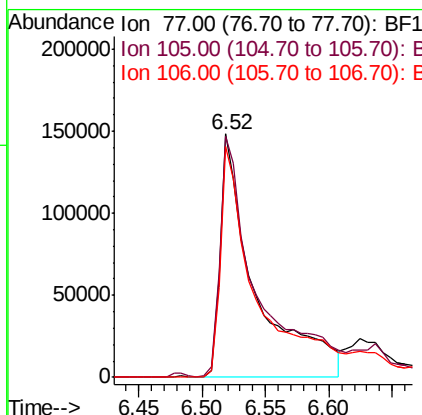
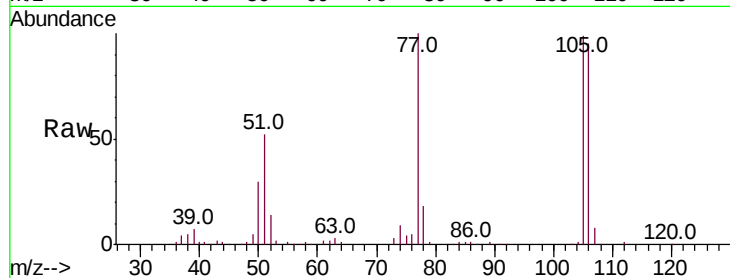
ClientSampleId :

SB-6(7-9)MSD

Tot Ion:	77	Resp:	289943
Ion Ratio	Lower	Upper	
77	100		
105	99.2	81.1	121.1
106	94.6	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 35.412 ng

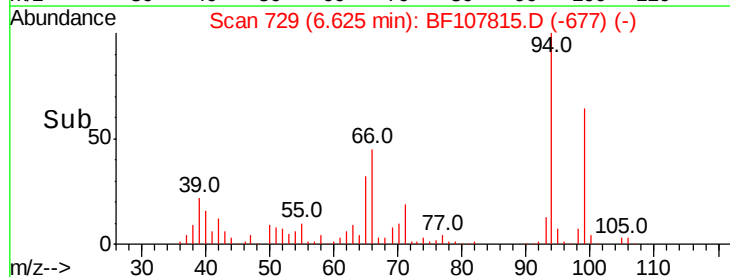
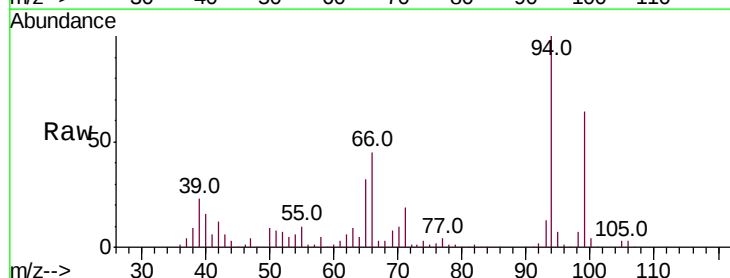
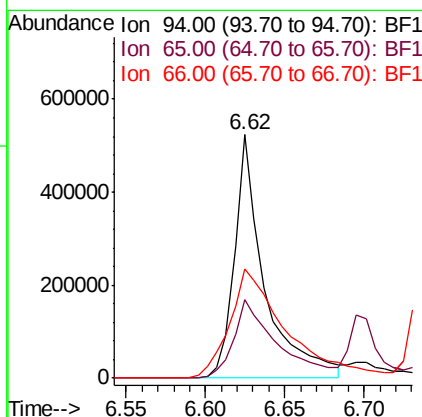
RT: 6.62 min Scan# 729

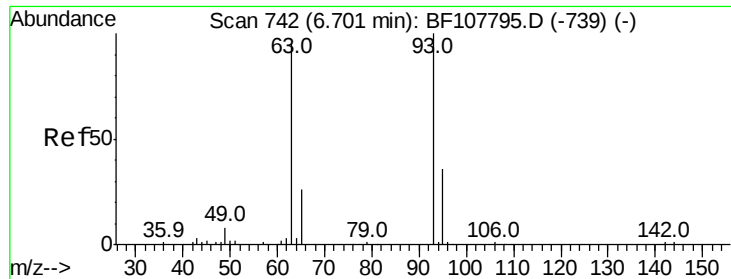
Delta R.T. 0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Tgt Ion:	94	Resp:	693094
Ion Ratio	Lower	Upper	
94	100		
65	32.2	7.9	47.9
66	44.7	16.2	56.2





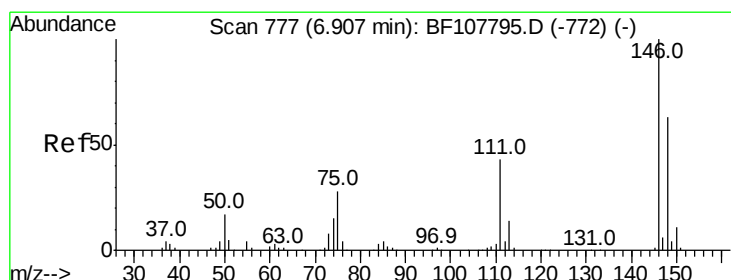
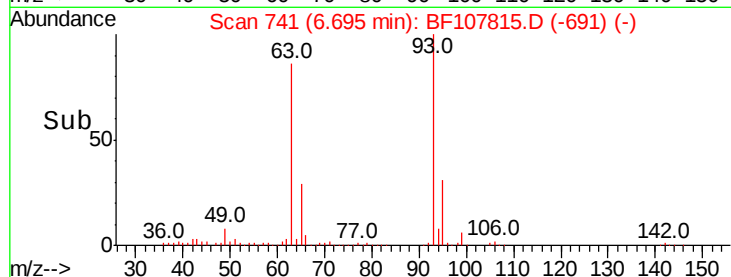
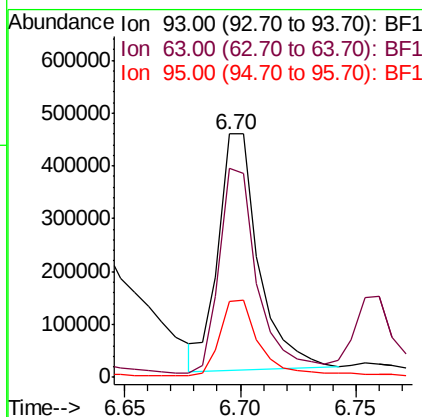
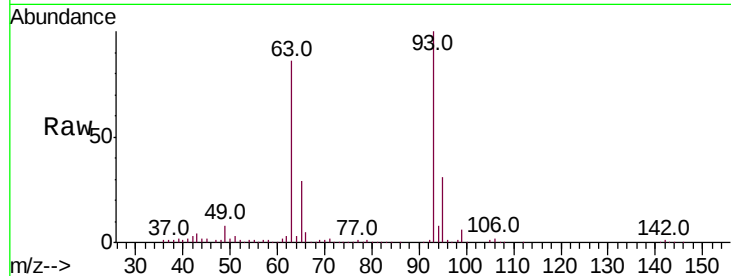
#11
bis(2-Chloroethyl)ether
Concen: 31.247 ng
RT: 6.70 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion	93	Resp	543811
Ion Ratio	Lower	Upper	
93	100		
63	85.9	58.6	98.6
95	31.1	11.8	51.8

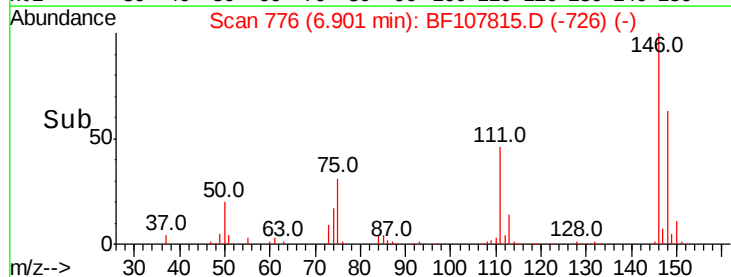
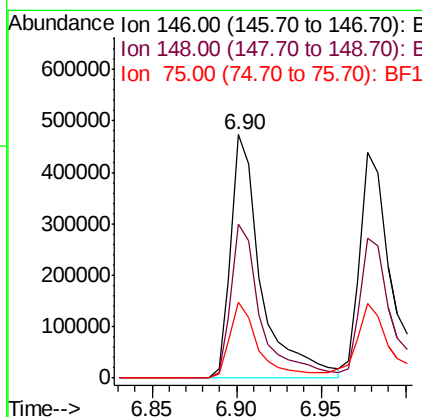
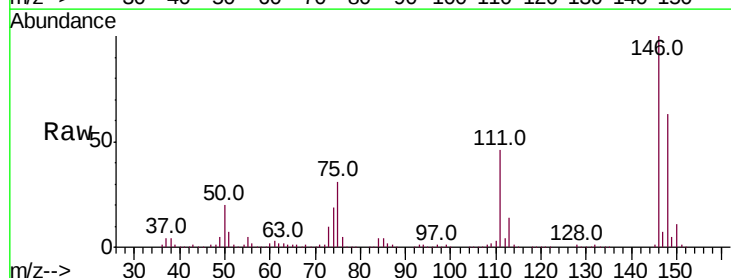
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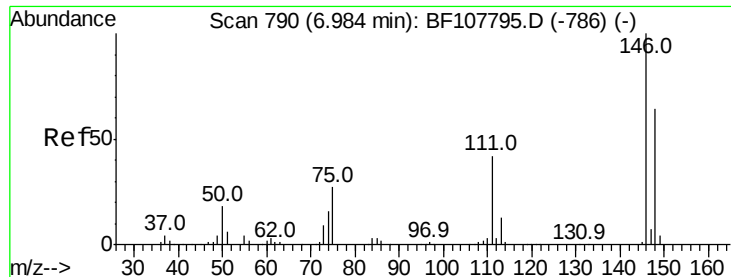
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#12
1,3-Dichlorobenzene
Concen: 36.082 ng
RT: 6.90 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	146	Resp	591960
Ion Ratio	Lower	Upper	
146	100		
148	63.1	51.8	77.8
75	31.4	24.2	36.4





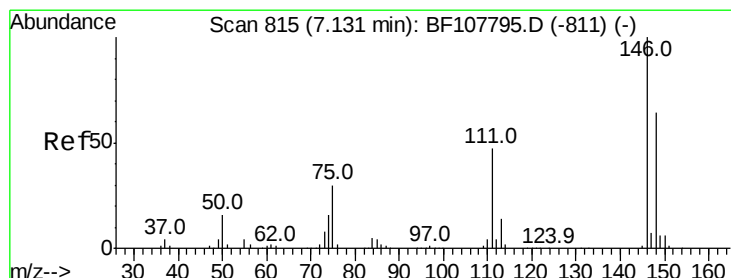
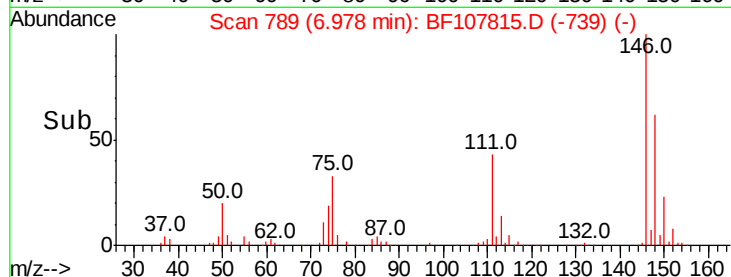
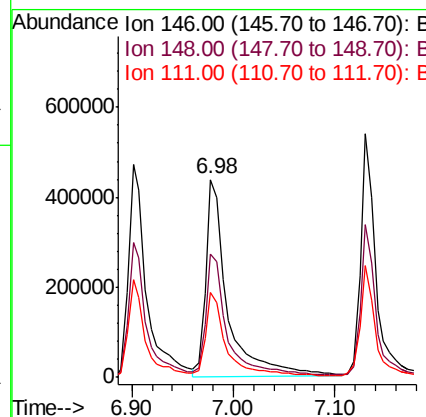
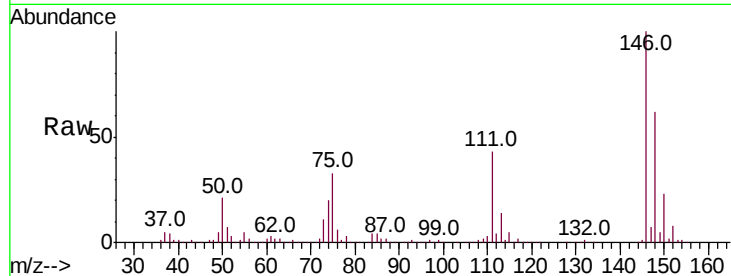
#13
 1,4-Dichlorobenzene
 Concen: 35.798 ng
 RT: 6.98 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.8	76.2
111	43.1	34.2	51.2

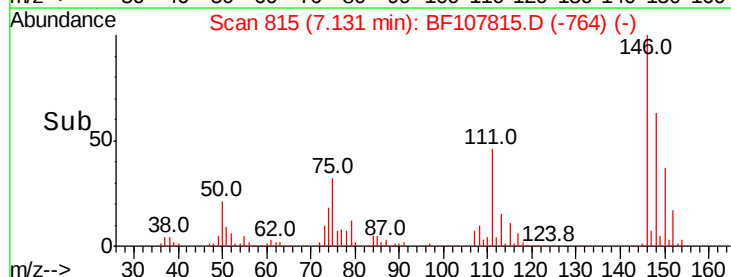
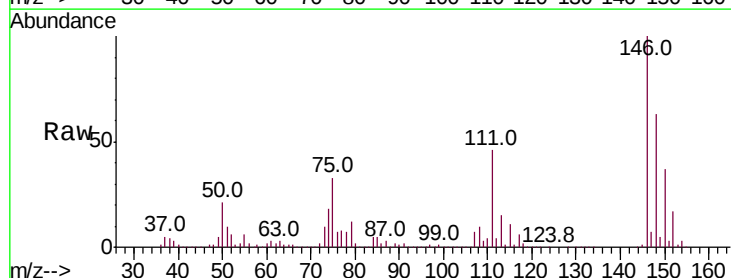
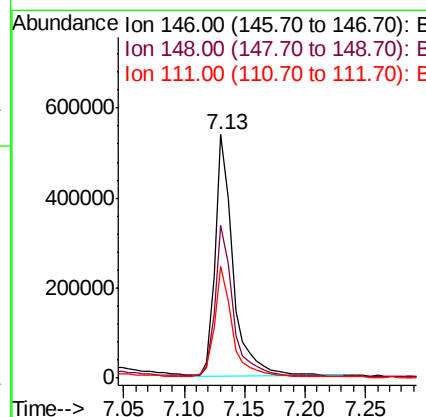
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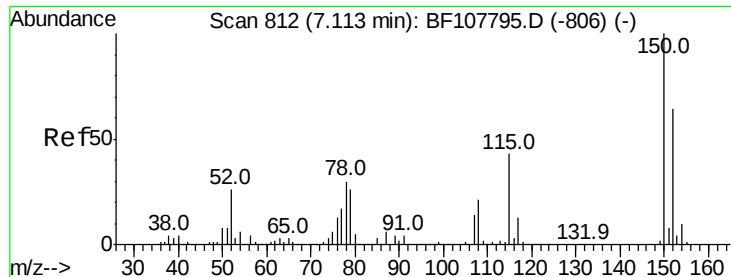
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#14
 1,2-Dichlorobenzene
 Concen: 32.615 ng
 RT: 7.13 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.6	75.8
111	45.9	36.0	54.0





#15

Benzyl Alcohol

Concen: 41.318 ng

RT: 7.11 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

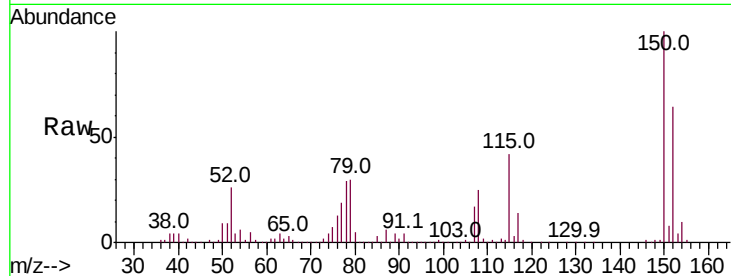
ClientSampleId :

SB-6(7-9)MSD

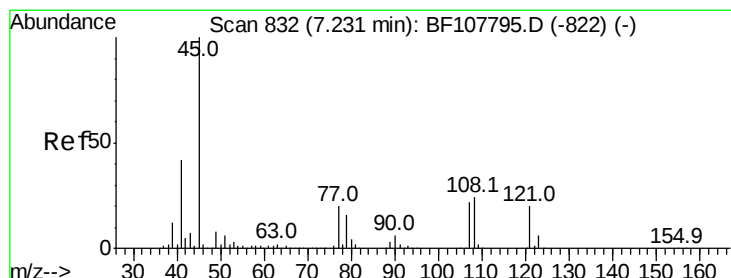
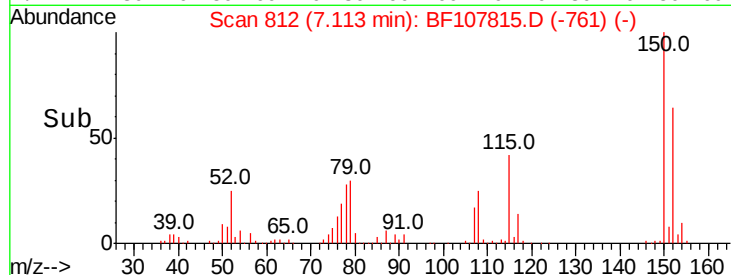
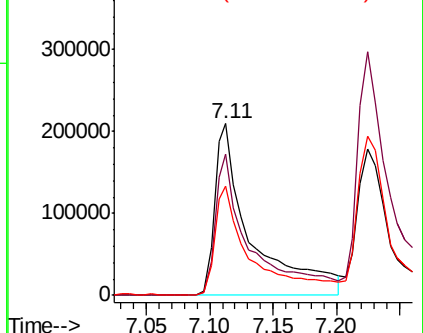
Tot Ion:	79	Resp:	421486
Ion Ratio	Lower	Upper	
79	100		
108	82.5	65.1	97.7
77	63.8	50.6	75.8

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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.950 ng

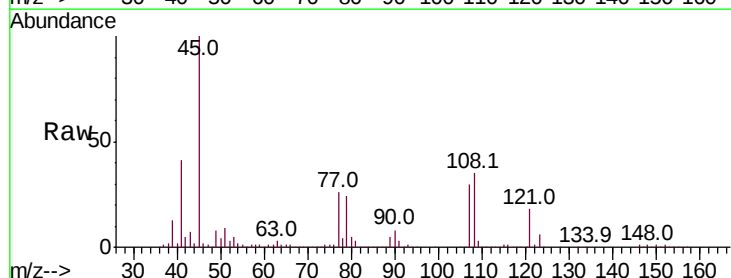
RT: 7.23 min Scan# 832

Delta R.T. 0.00 min

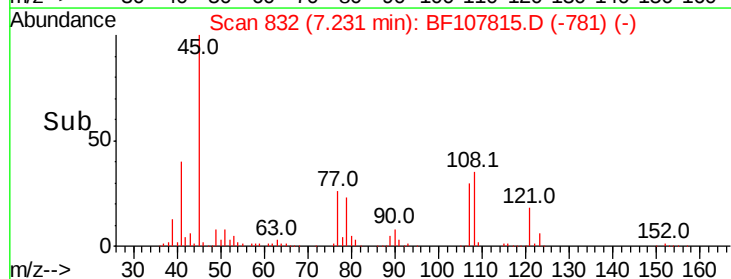
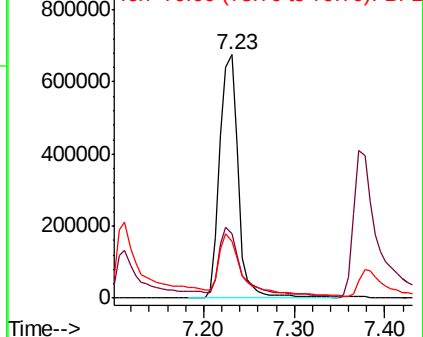
Lab File: BF107815.D

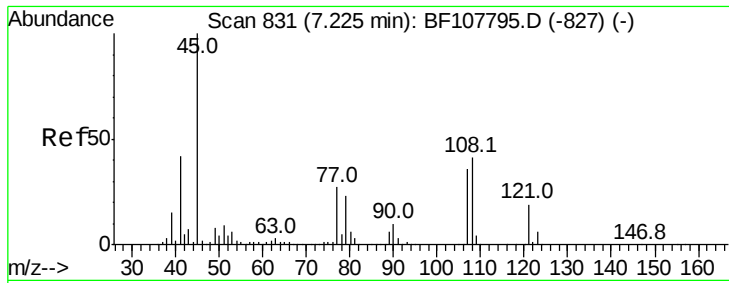
Acq: 30 Jul 2018 22:07

Tgt Ion:	45	Resp:	949594
Ion Ratio	Lower	Upper	
45	100		
77	26.2	0.0	32.9
79	23.5	0.0	29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





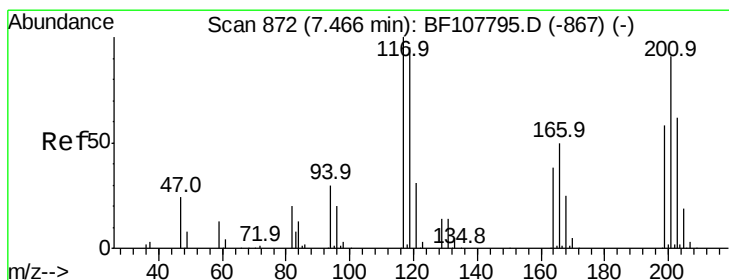
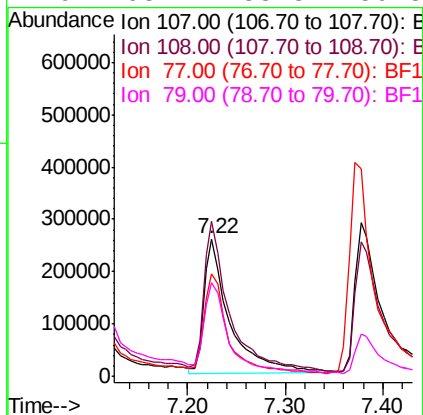
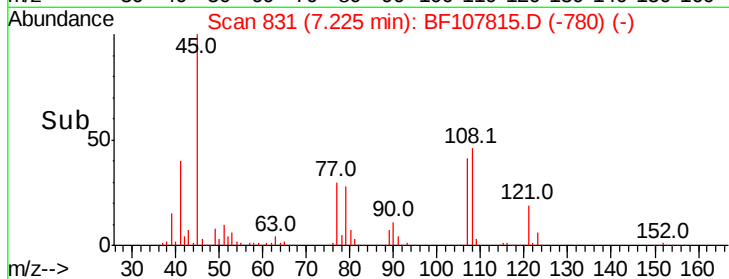
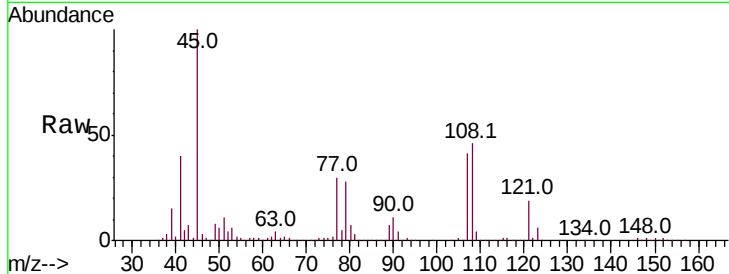
#17
2-Methylphenol
Concen: 41.407 ng
RT: 7.22 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.4	91.7	137.5	
77	74.3	33.8	50.8#	
79	68.1	33.8	50.8#	

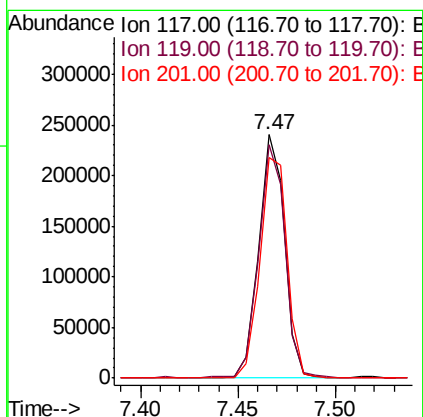
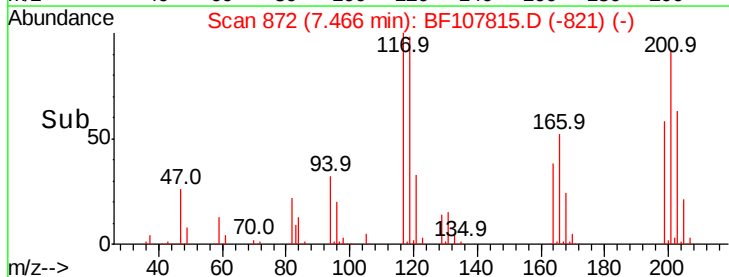
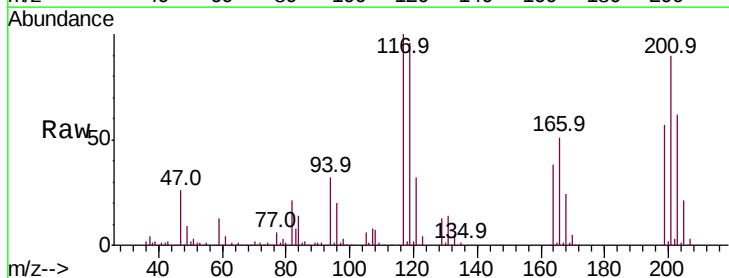
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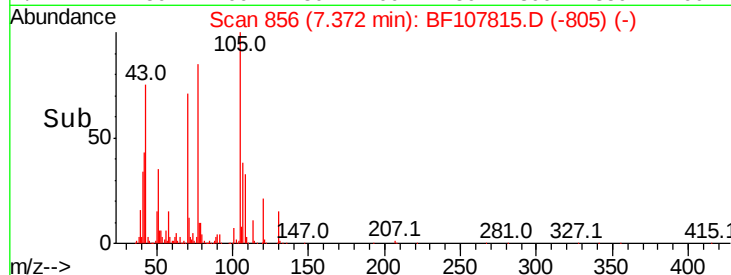
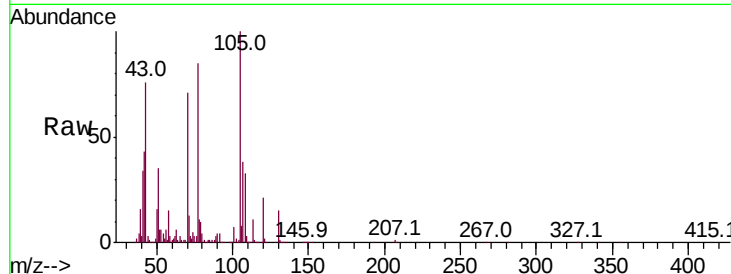
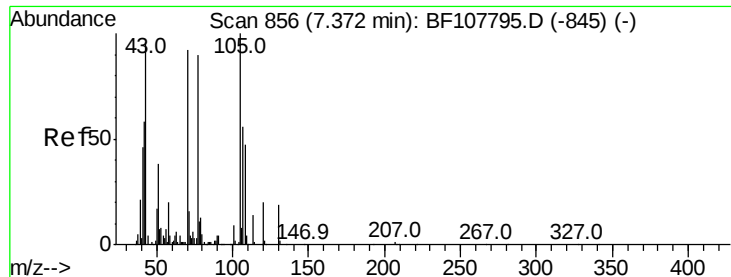
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#18
Hexachloroethane
Concen: 33.580 ng
RT: 7.47 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.1	75.8	113.8	
201	90.4	75.7	113.5	





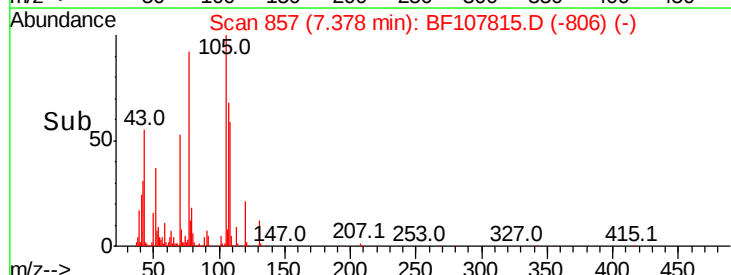
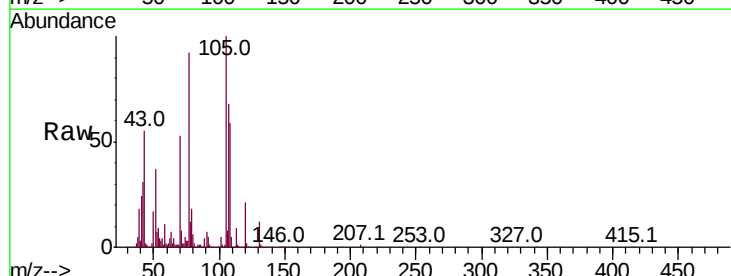
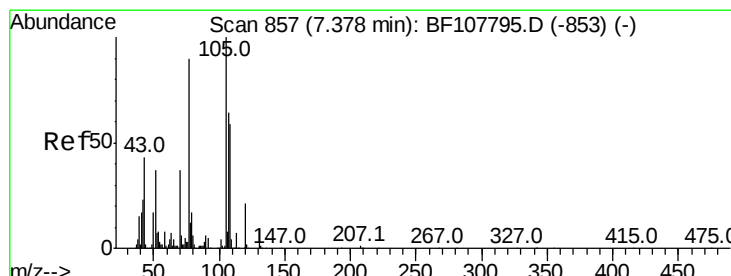
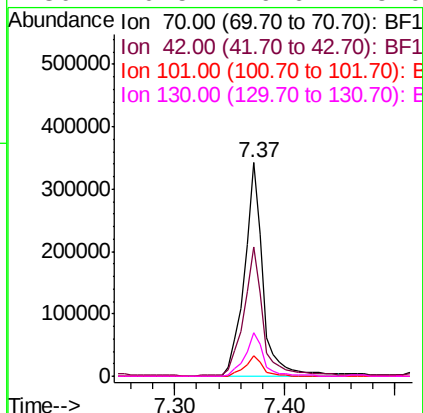
#19
n-Nitroso-di-n-propylamine
Concen: 39.039 ng
RT: 7.37 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	60.4	47.5	71.3
101	9.8	7.4	11.2
130	20.5	16.6	25.0

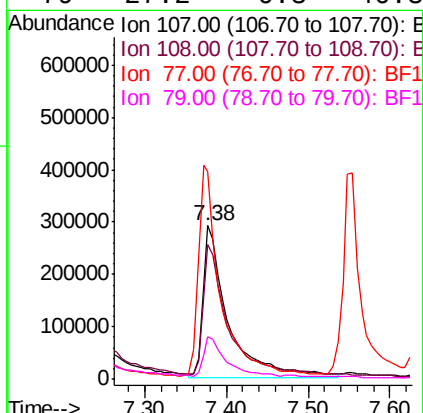
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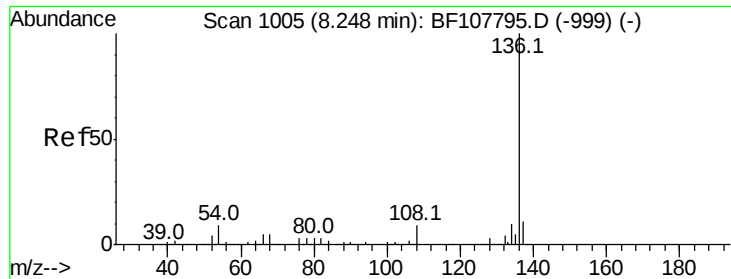
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#20
3+4-Methylphenols
Concen: 44.725 ng
RT: 7.38 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.7	68.2	108.2
77	135.5	26.7	66.7#
79	27.2	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

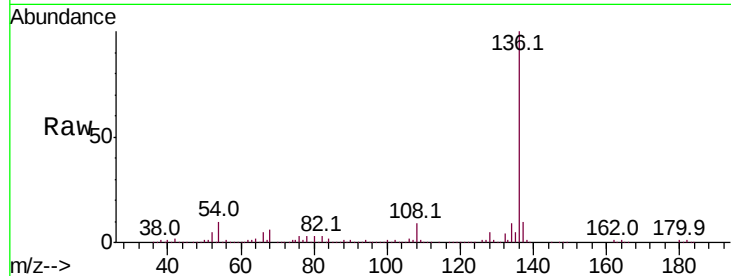
ClientSampleId :

SB-6(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	811182		
137	10.5		8.9	13.3
54	9.6		6.6	9.8
68	6.2		5.0	7.4

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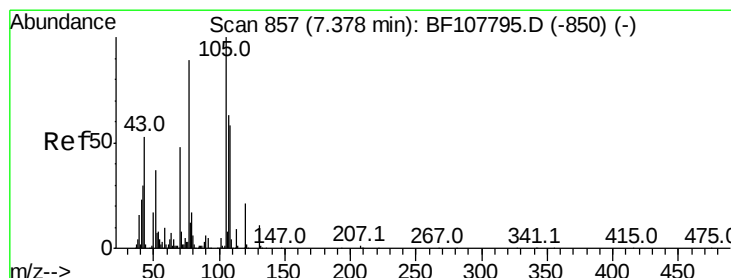
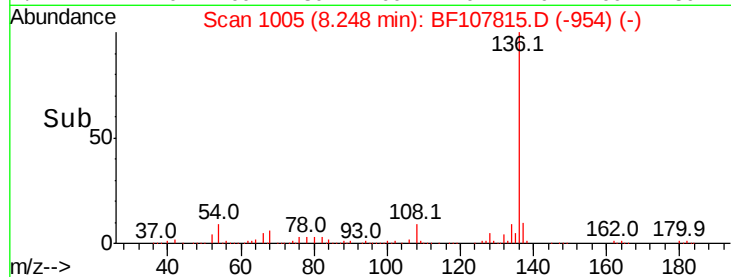
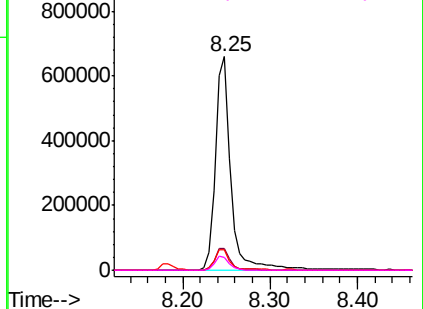
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 43.121 ng

RT: 7.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	841559		
71	12.5		4.4	6.6#
51	35.2		22.3	33.5#
120	21.4		16.9	25.3

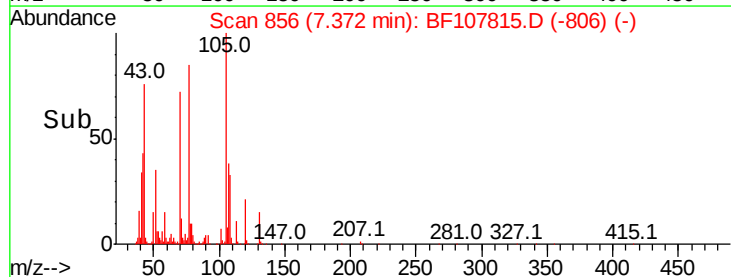
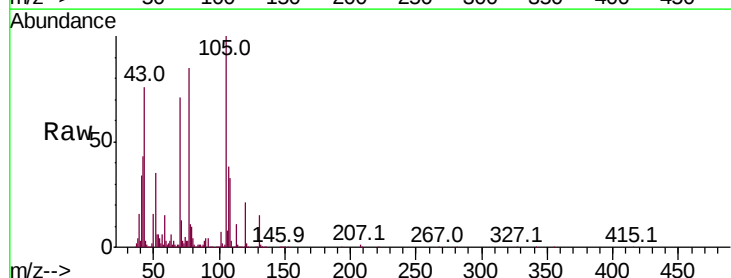
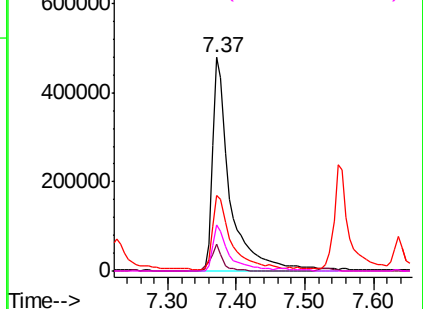
Abundance

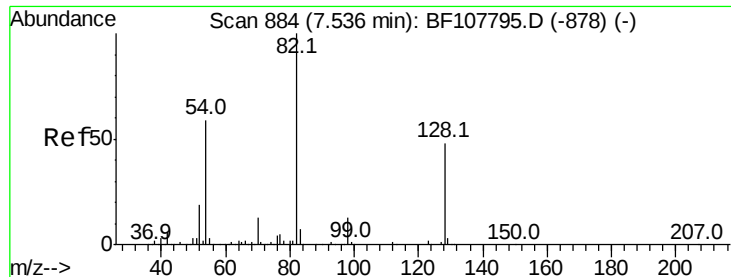
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





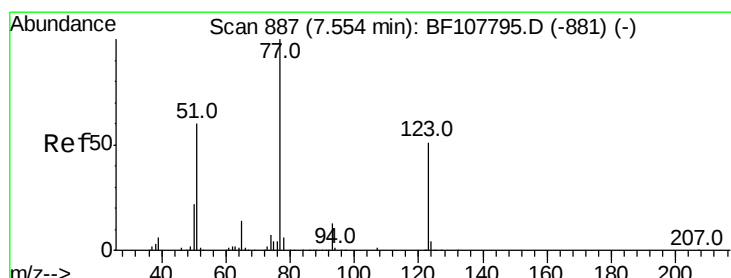
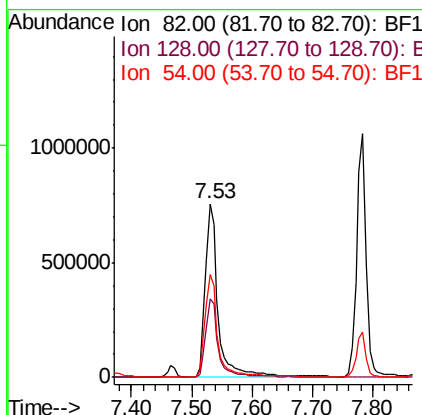
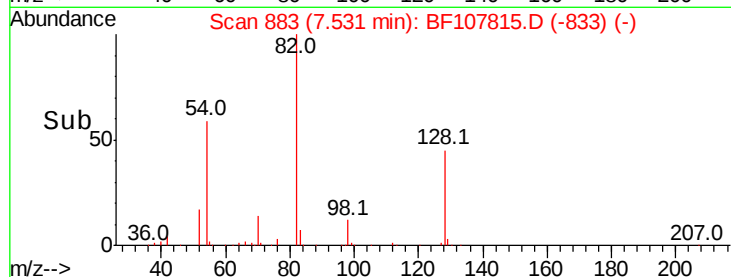
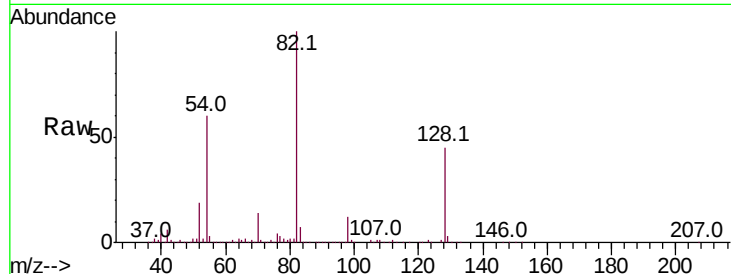
#23
Nitrobenzene-d5
Concen: 82.337 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion: 82 Resp: 1159349
Ion Ratio Lower Upper
82 100
128 45.0 36.1 54.1
54 59.7 41.4 62.2

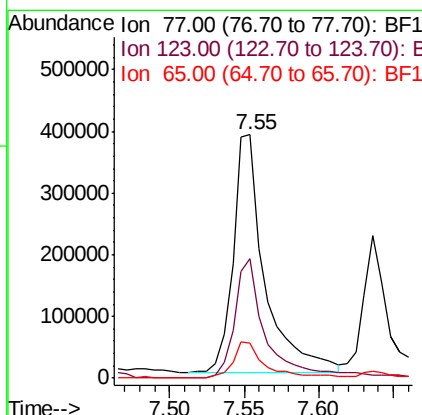
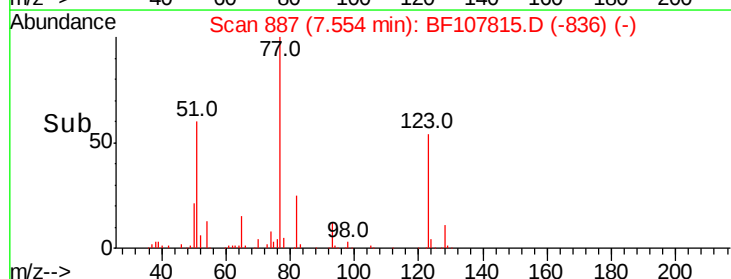
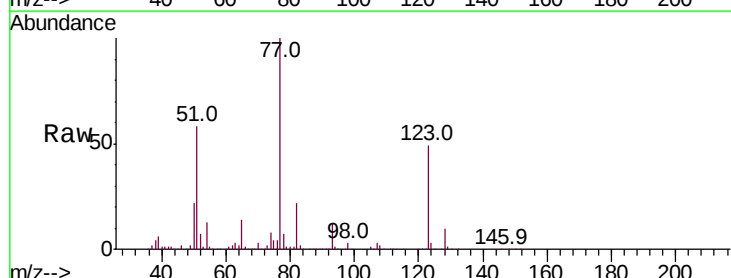
Manual Integrations
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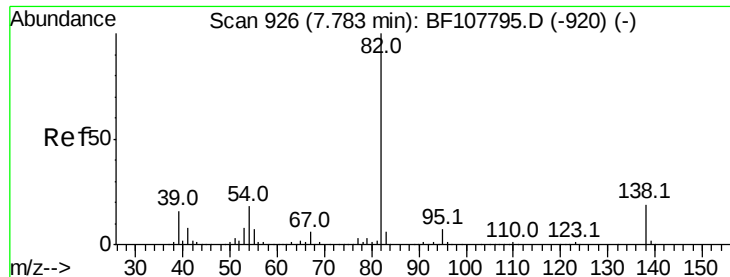
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#24
Nitrobenzene
Concen: 38.735 ng
RT: 7.55 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion: 77 Resp: 571898
Ion Ratio Lower Upper
77 100
123 49.1 37.9 56.9
65 14.5 11.0 16.4





#25

Isophorone

Concen: 49.110 ng

RT: 7.78 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

ClientSampleId :

SB-6(7-9)MSD

Tot Ion: 82 Resp: 1135088

Ion Ratio Lower Upper

82 100

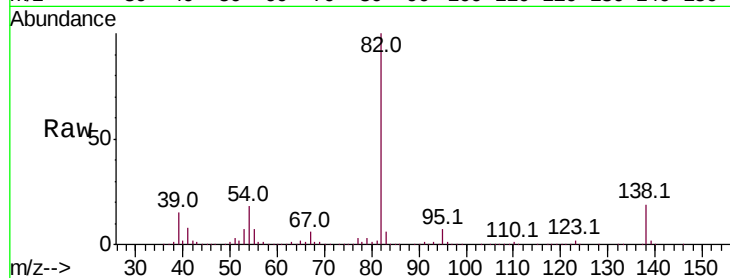
95 7.0 5.2 7.8

138 19.1 14.9 22.3

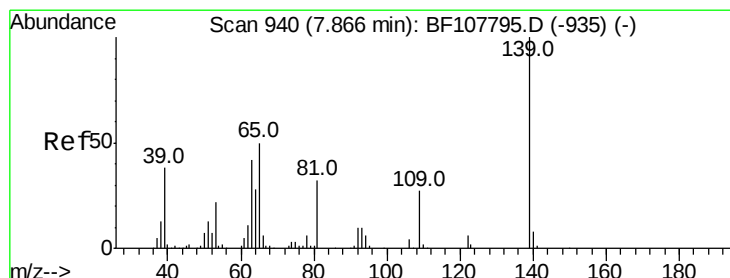
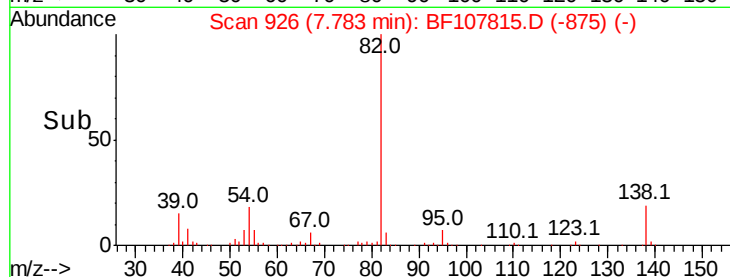
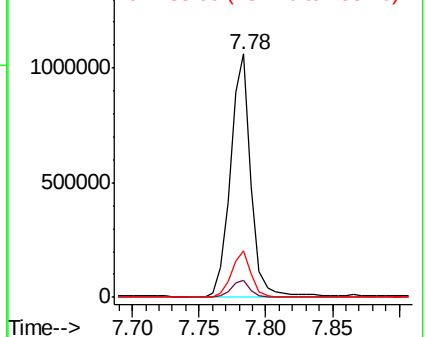
Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E



#26

2-Nitrophenol

Concen: 44.643 ng

RT: 7.87 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

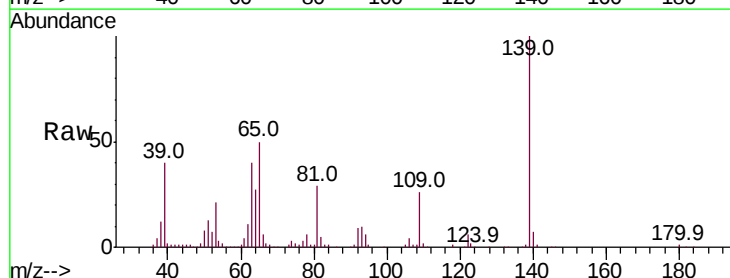
Tgt Ion: 139 Resp: 330794

Ion Ratio Lower Upper

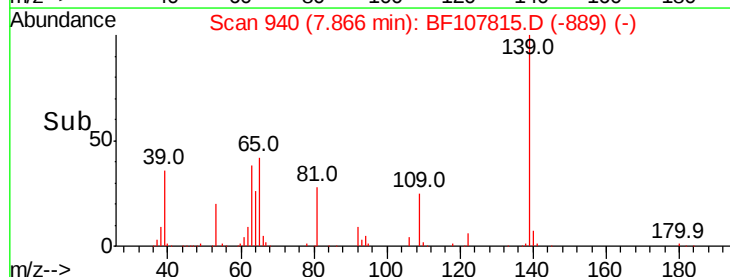
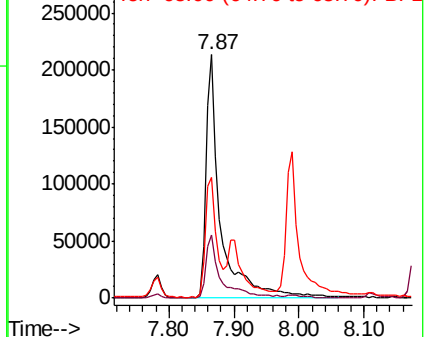
139 100

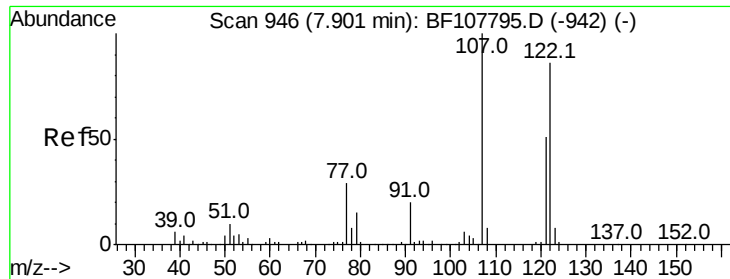
109 25.9 22.7 34.1

65 49.8 40.5 60.7



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





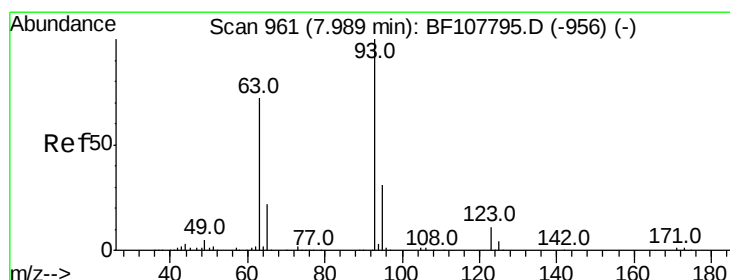
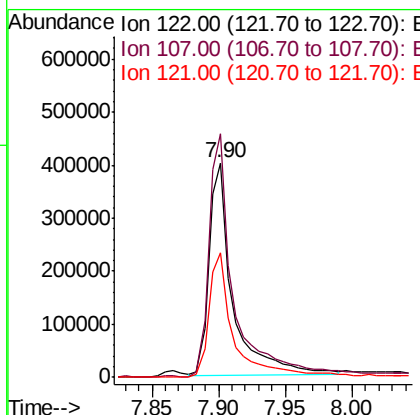
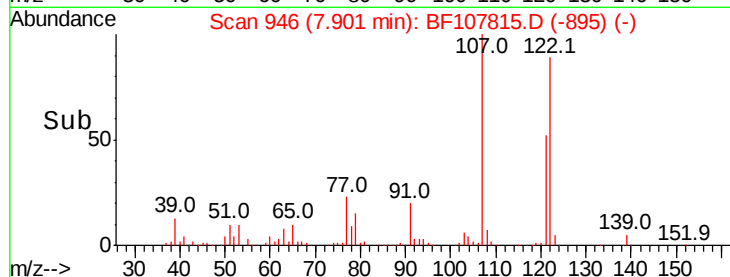
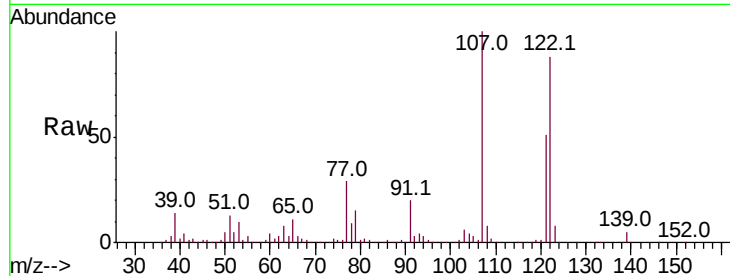
#27
 2,4-Dimethylphenol
 Concen: 50.730 ng
 RT: 7.90 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.7	91.2	136.8
121	58.3	47.2	70.8

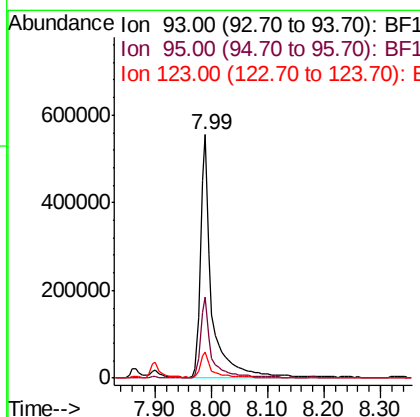
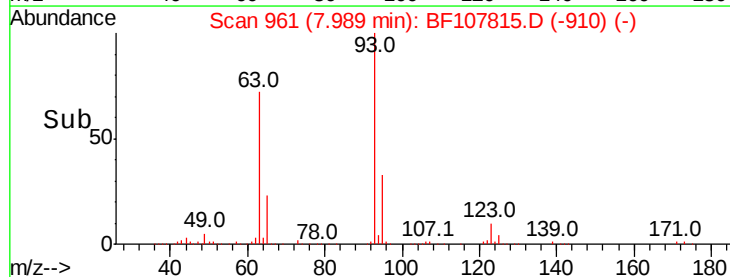
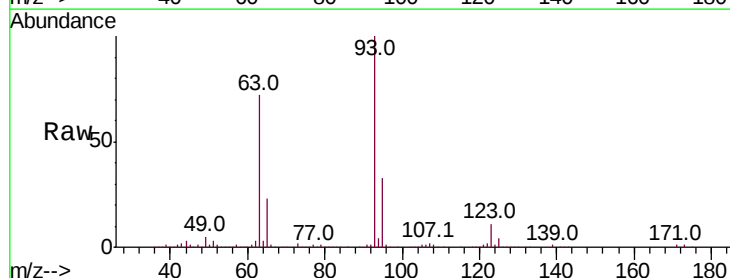
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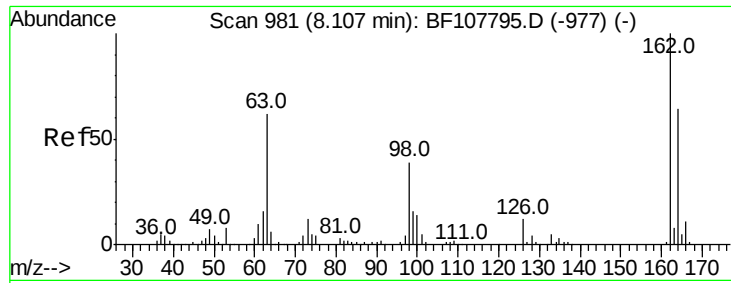
Sohil
 7/31/2018 2:42:44 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 49.651 ng
 RT: 7.99 min Scan# 961
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.3	39.5
123	10.8	9.8	14.6





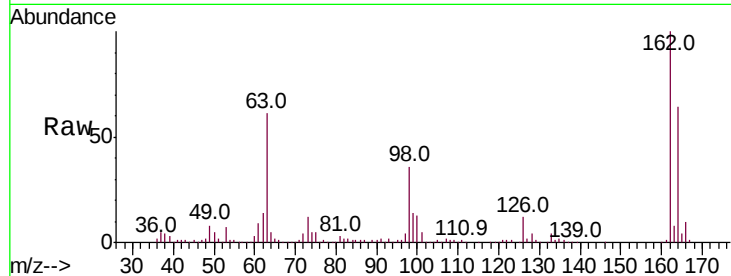
#29
2,4-Dichlorophenol
Concen: 44.390 ng
RT: 8.11 min Scan# 982
Delta R.T. 0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	498118		
164	63.8	42.7	82.7	
98	36.5	18.1	58.1	

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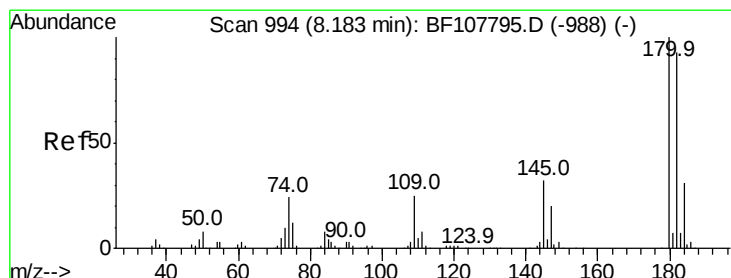
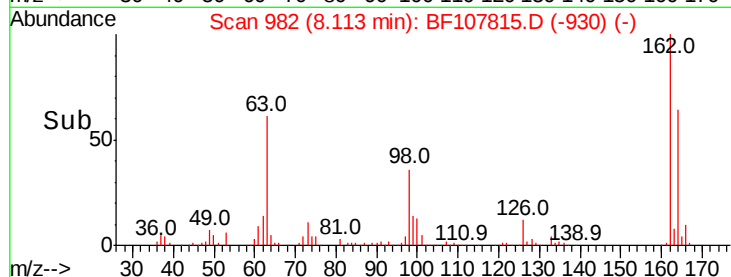
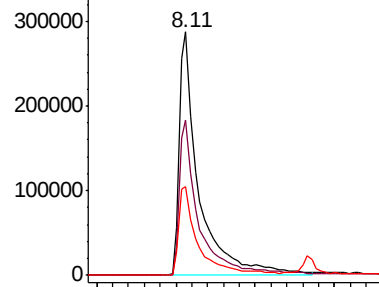


Abundance

Ion 162.00 (161.70 to 162.70): E

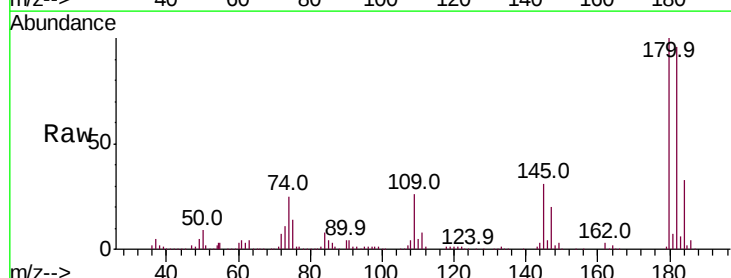
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 40.063 ng
RT: 8.18 min Scan# 994
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	512868		
182	96.3	76.8	115.2	
145	31.4	26.5	39.7	

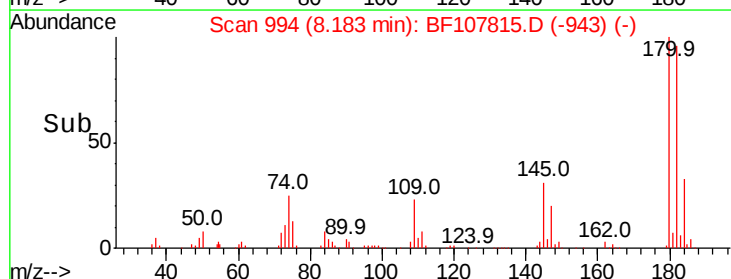
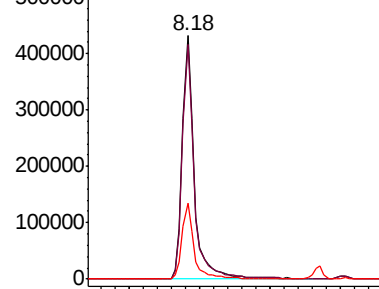


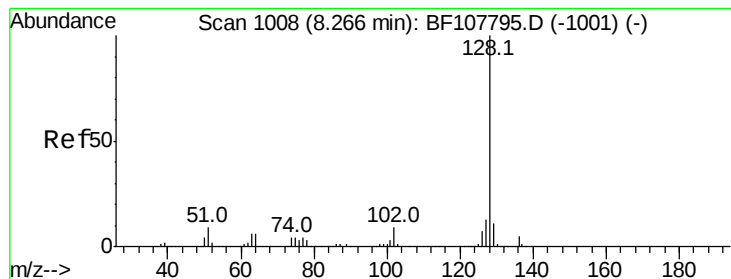
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 52.210 ng

RT: 8.27 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

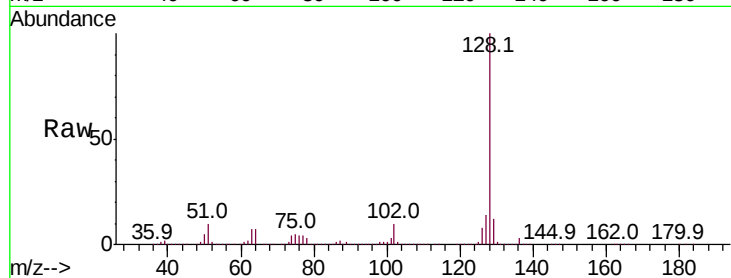
ClientSampleId :

SB-6(7-9)MSD

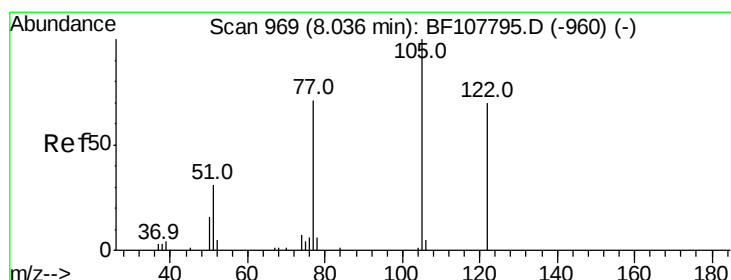
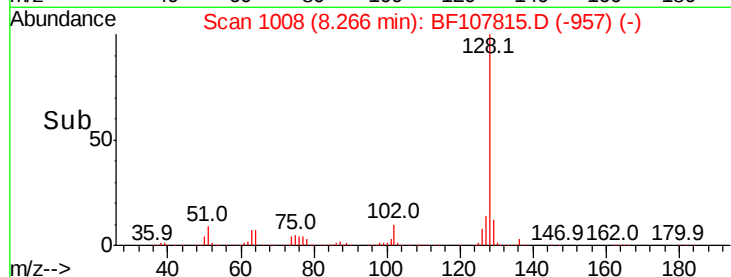
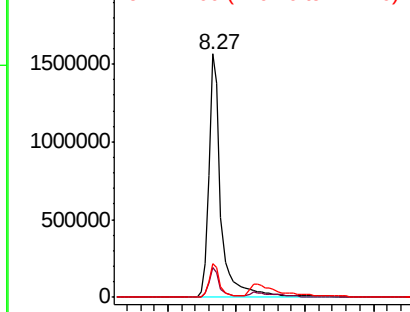
Tot Ion:	128	Resp:	1968681
Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	14.1	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.015 ng m

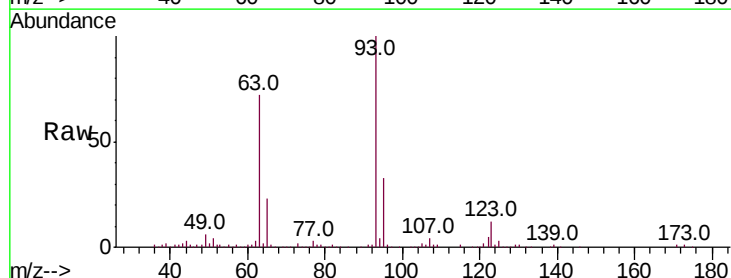
RT: 8.00 min Scan# 962

Delta R.T. -0.04 min

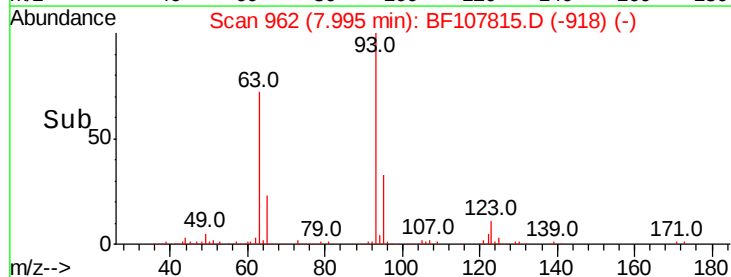
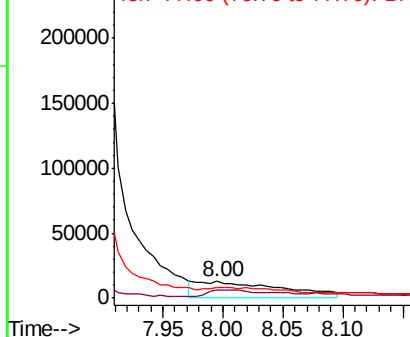
Lab File: BF107815.D

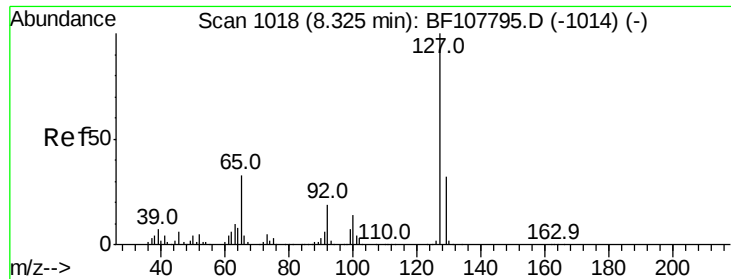
Acq: 30 Jul 2018 22:07

Tgt Ion:	122	Resp:	58922
Ion	Ratio	Lower	Upper
122	100		
105	48.0	101.1	141.1#
77	62.4	70.7	110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





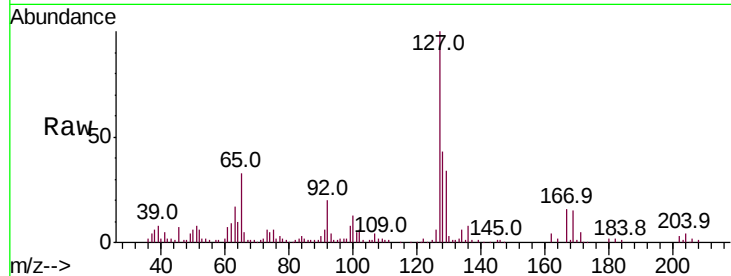
#33
4-Chloroaniline
Concen: 17.523 ng
RT: 8.33 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	34.0	25.9	38.9	
65	32.7	25.0	37.4	
92	19.7	15.2	22.8	

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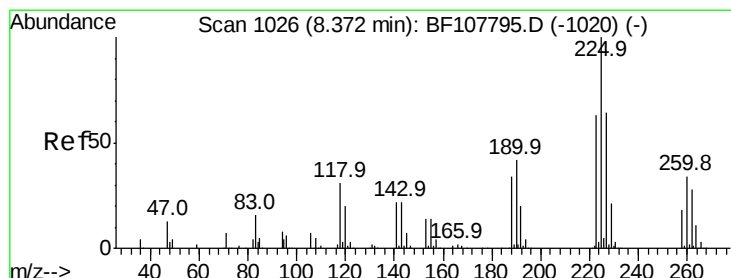
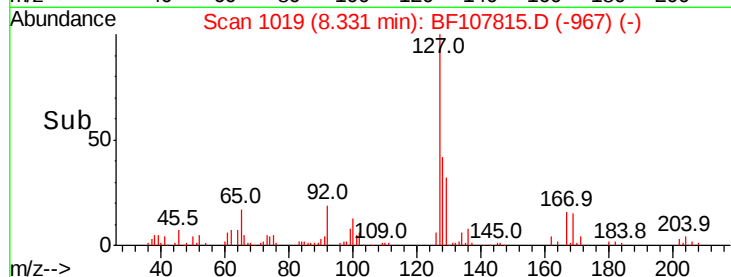
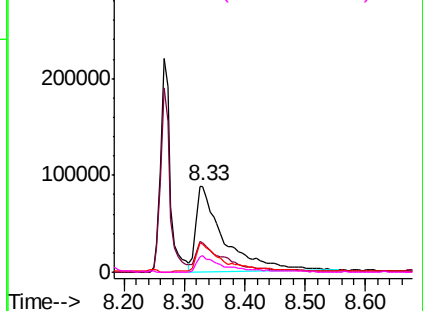
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 37.376 ng
RT: 8.37 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

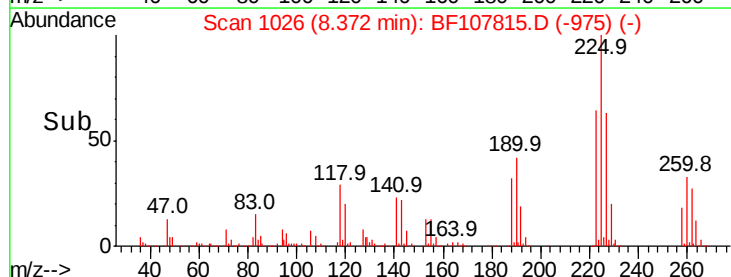
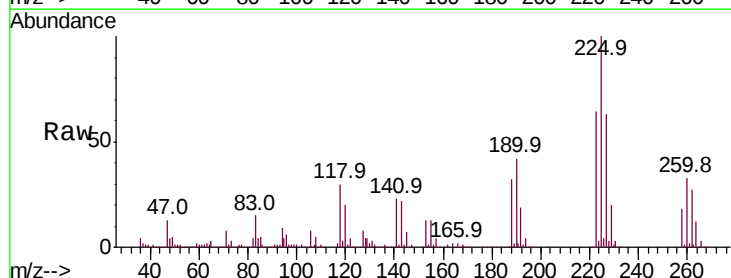
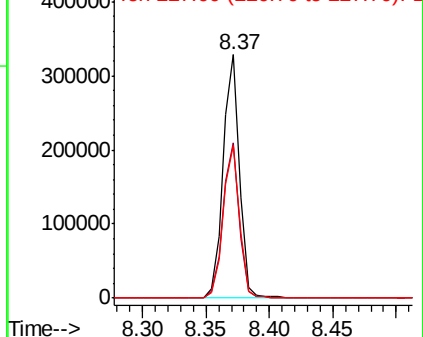
Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	50.6	76.0	
227	62.7	51.9	77.9	

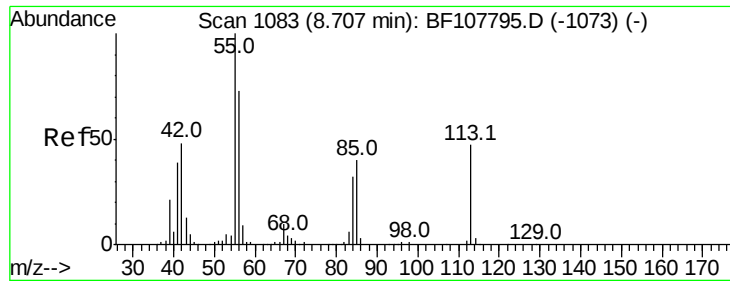
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





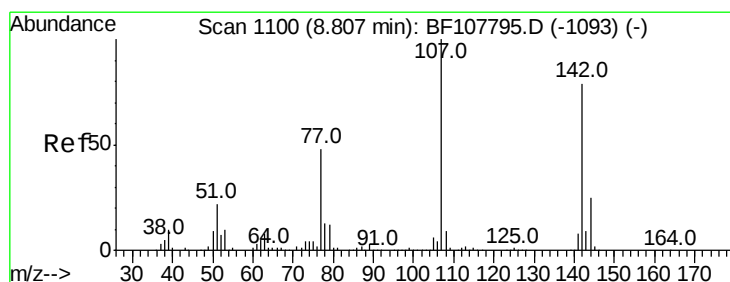
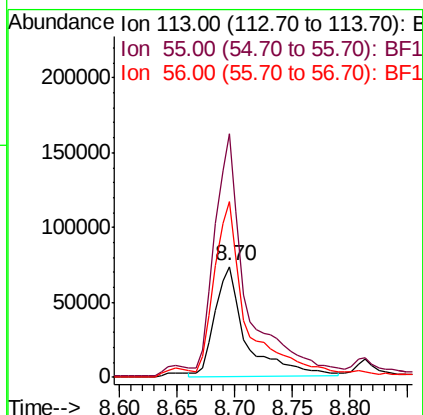
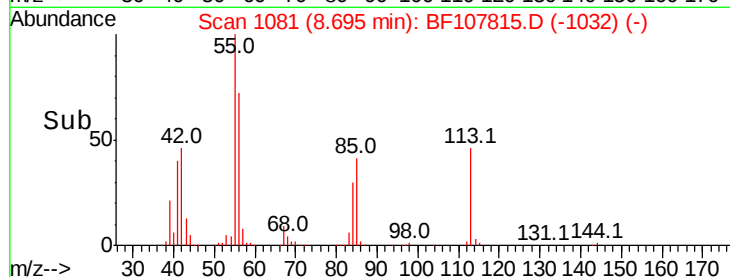
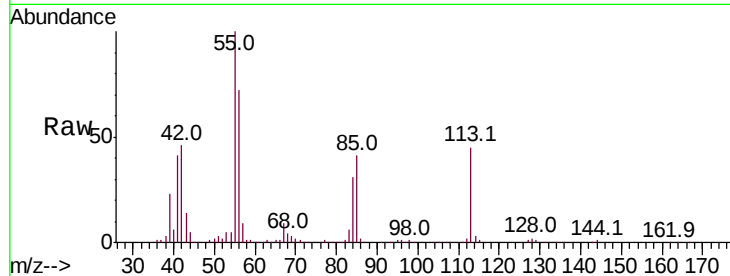
#35
Caprolactam
Concen: 41.065 ng
RT: 8.70 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion:113 Resp: 138719
Ion Ratio Lower Upper
113 100
55 219.8 163.3 203.3#
56 159.2 115.7 155.7#

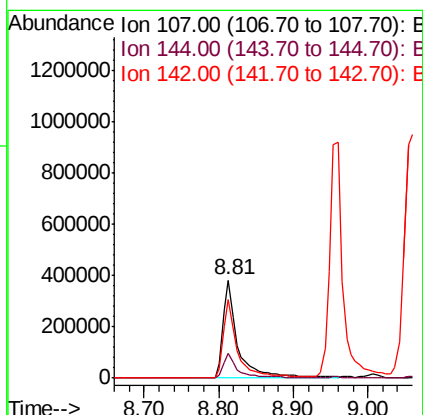
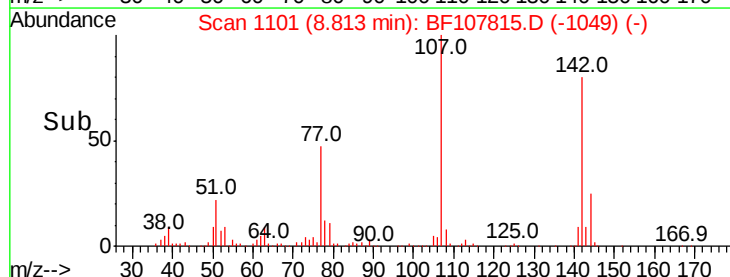
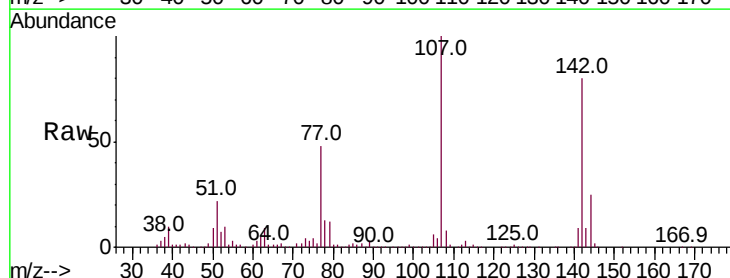
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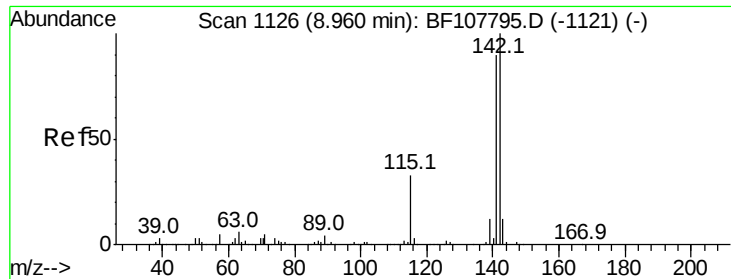
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#36
4-Chloro-3-methylphenol
Concen: 43.613 ng
RT: 8.81 min Scan# 1101
Delta R.T. 0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion:107 Resp: 531506
Ion Ratio Lower Upper
107 100
144 25.3 20.5 30.7
142 79.5 62.0 93.0





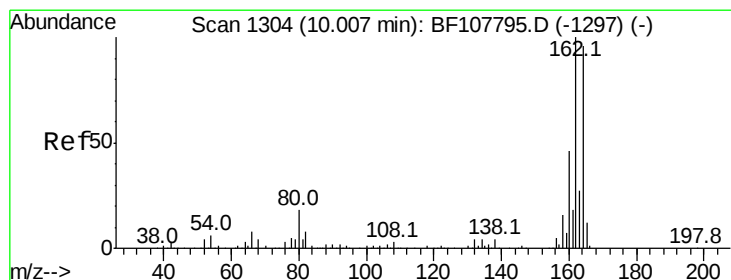
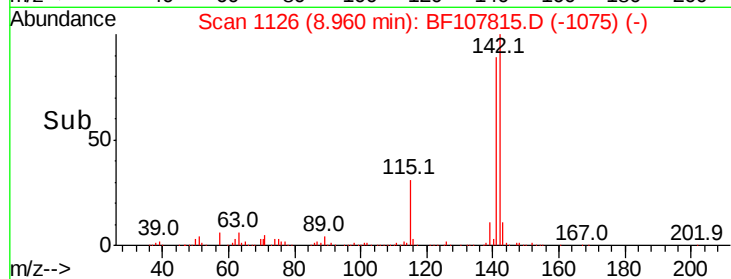
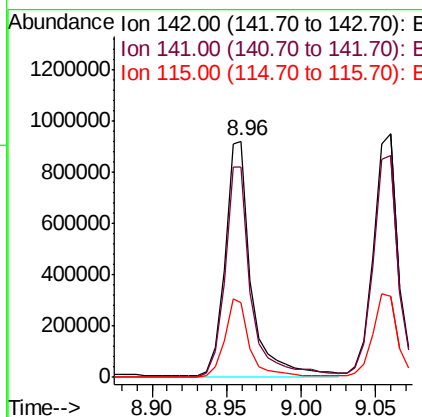
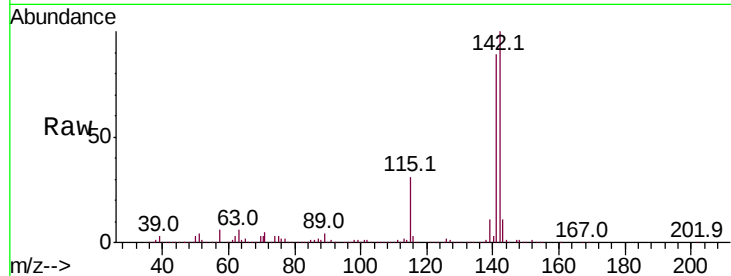
#37
2-Methylnaphthalene
Concen: 48.377 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2
115	31.5	26.1	39.1

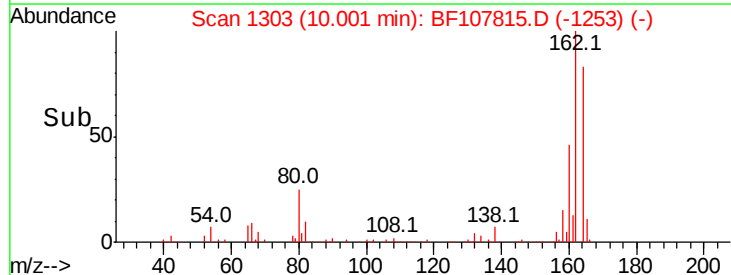
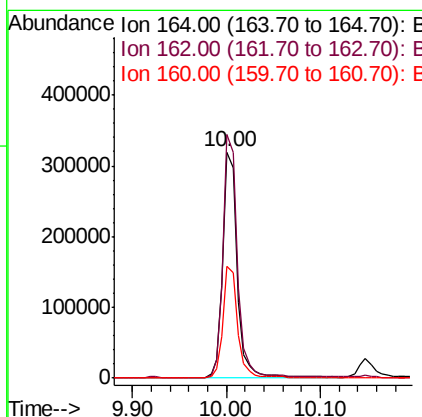
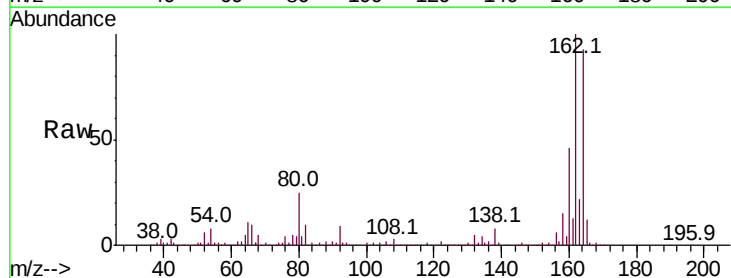
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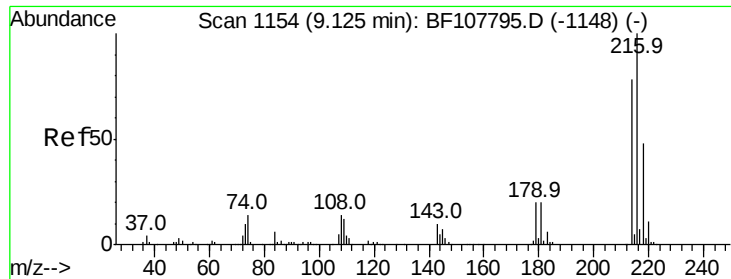
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.7	86.1	129.1
160	49.2	38.3	57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.960 ng

RT: 9.12 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

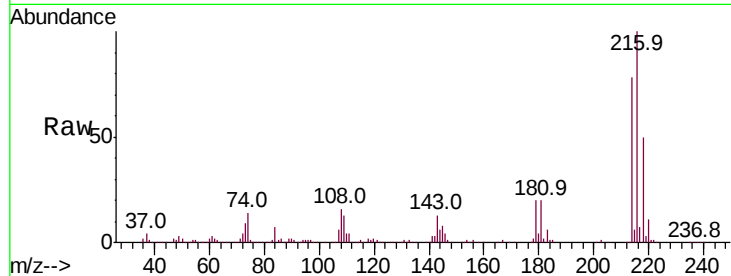
ClientSampleId :

SB-6(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	524249		
214	78.7	63.0	94.4	
179	21.1	18.1	27.1	
108	18.0	17.2	25.8	

Manual Integrations
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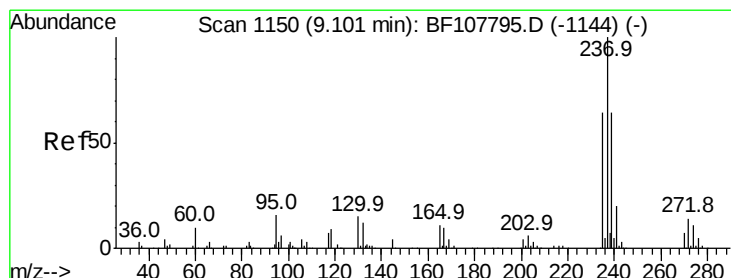
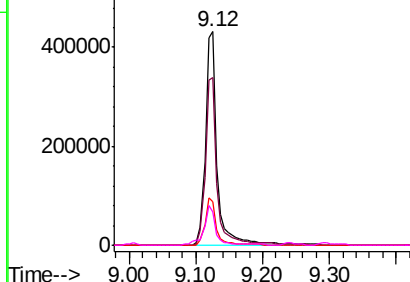
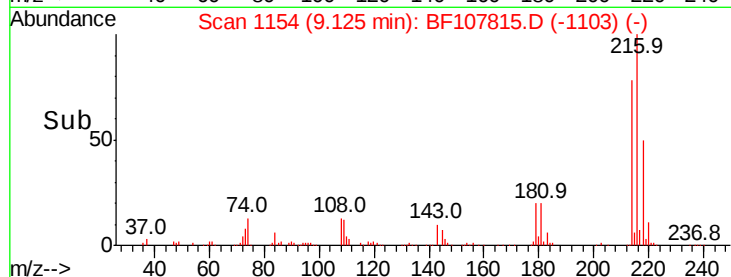
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 47.020 ng

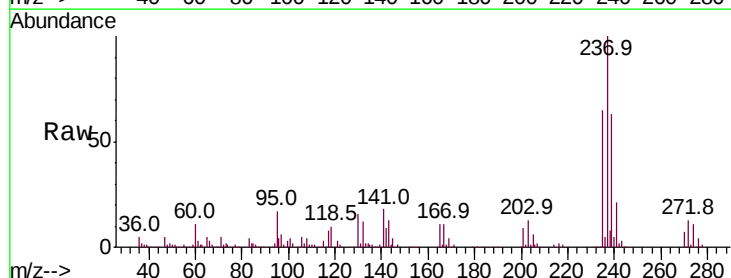
RT: 9.10 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	224085		
235	64.5	44.8	84.8	
272	13.0	0.0	33.3	

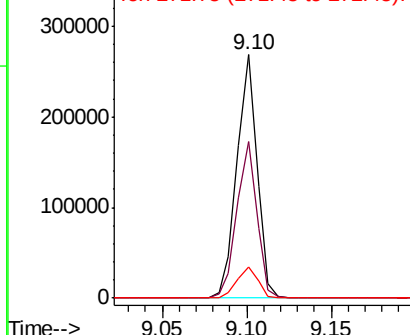
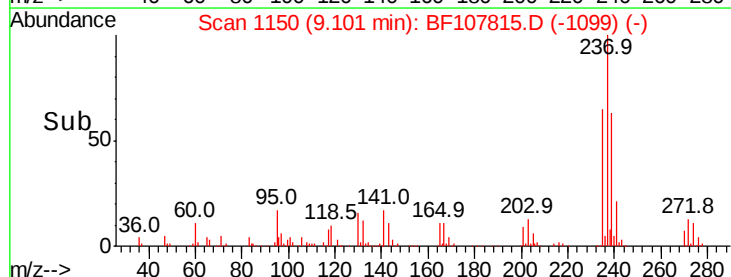


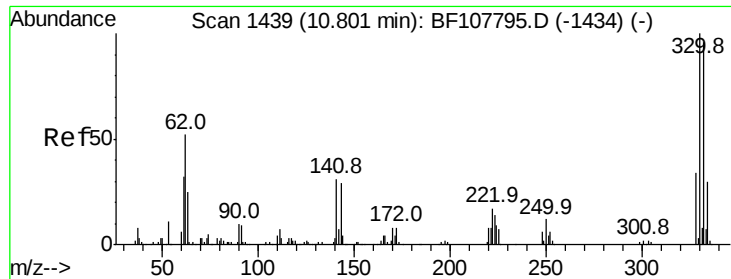
Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





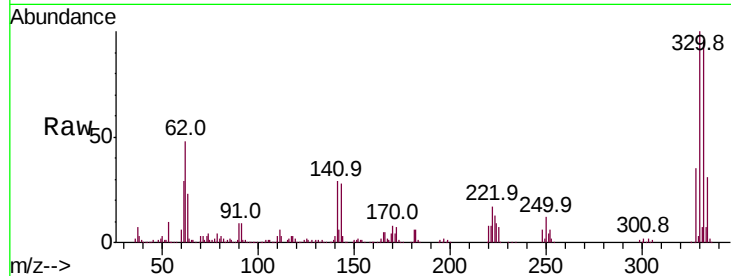
#41
 2,4,6-Tribromophenol
 Concen: 103.028 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	489664		
332	91.7	77.0	115.6	
141	27.2	29.9	44.9#	

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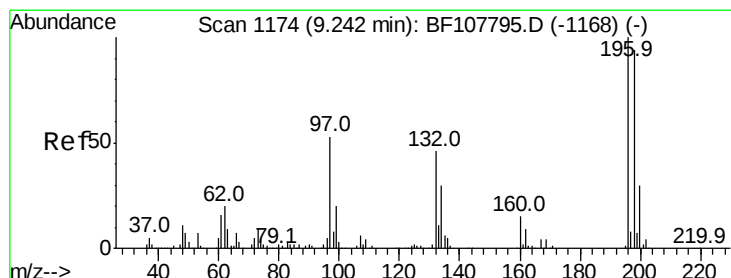
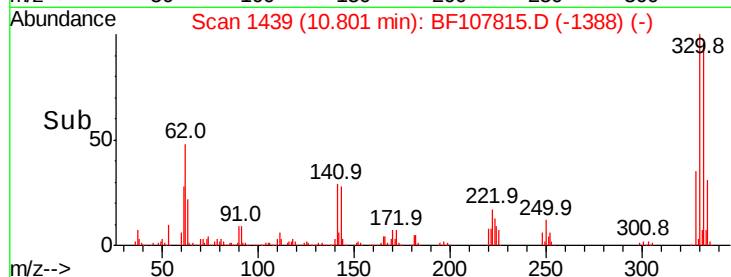
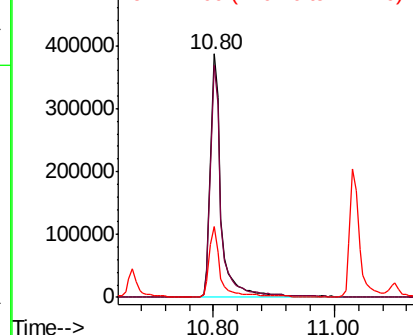


Abundance

Ion 329.80 (329.50 to 330.50): E

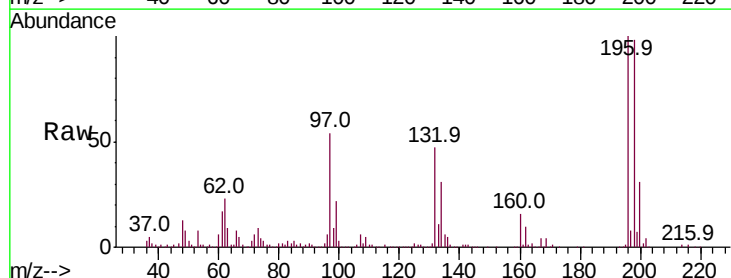
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 48.913 ng
 RT: 9.24 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	322477		
198	97.9	75.7	113.5	
200	31.4	24.5	36.7	

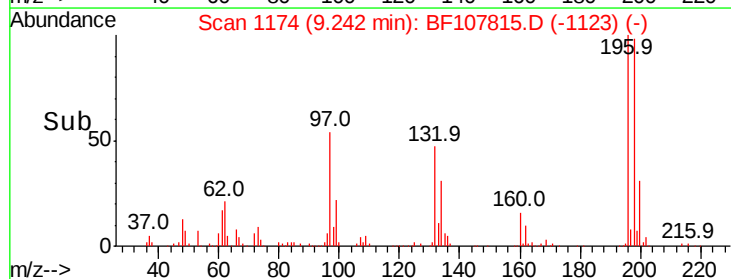
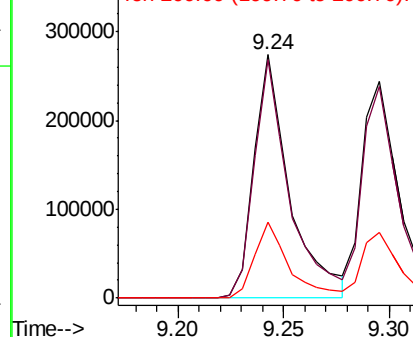


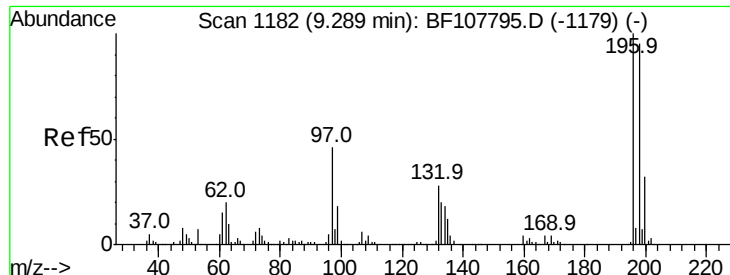
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





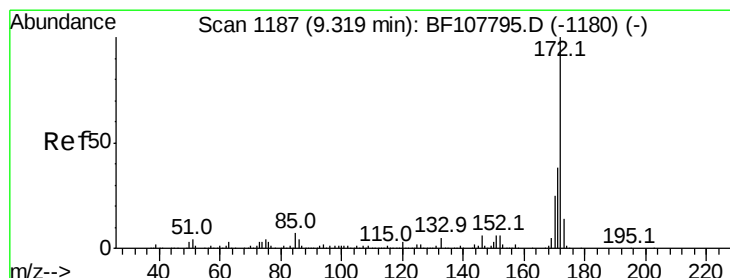
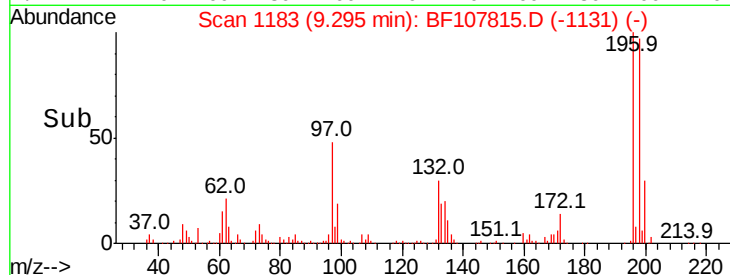
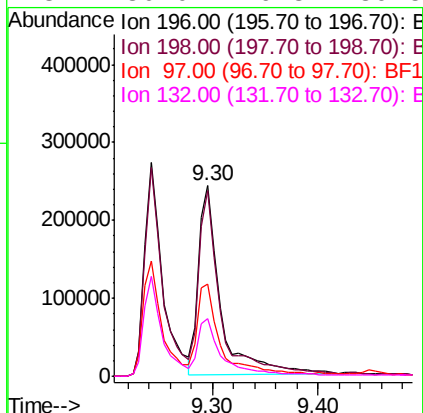
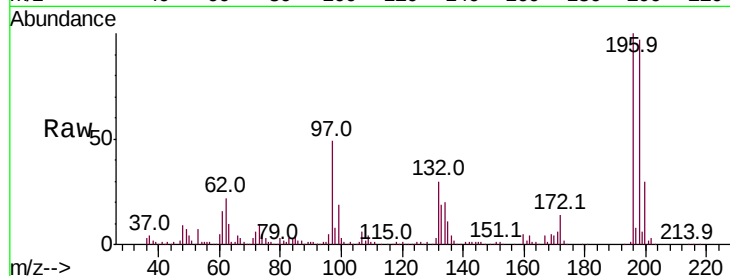
#43
 2,4,5-Trichlorophenol
 Concen: 44.167 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	350551		
198	97.3	74.6	112.0	
97	48.6	42.9	64.3	
132	30.0	26.3	39.5	

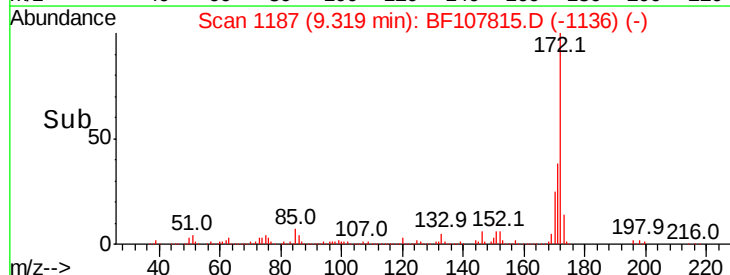
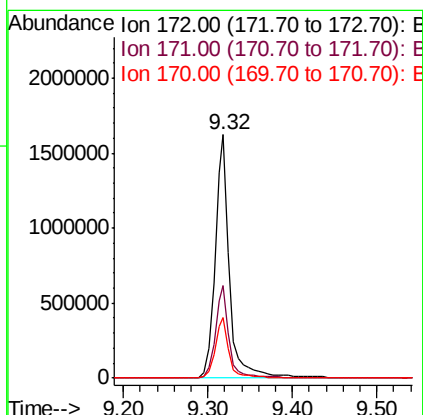
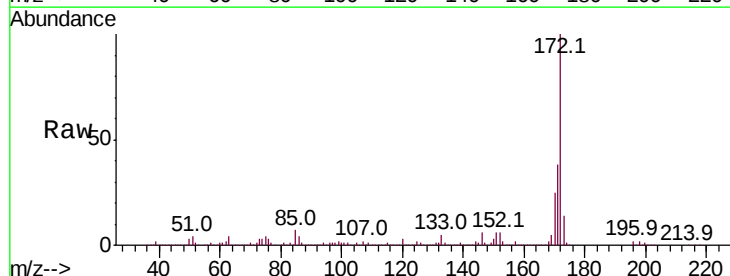
Manual Integrations
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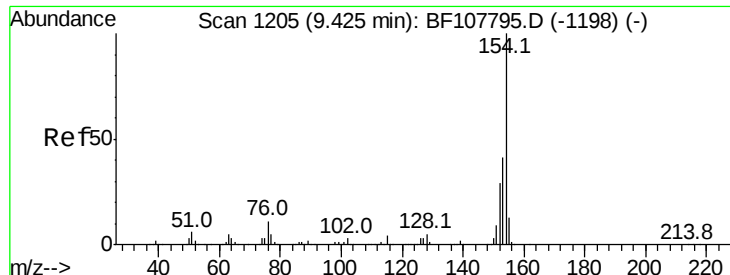
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 78.181 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1962386		
171	38.0	29.7	44.5	
170	25.1	19.6	29.4	





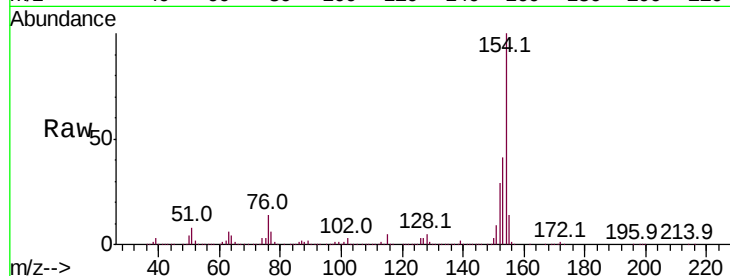
#45
 1,1'-Biphenyl
 Concen: 43.100 ng
 RT: 9.42 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.3	61.3
76	13.9	0.0	34.0

Manual Integrations
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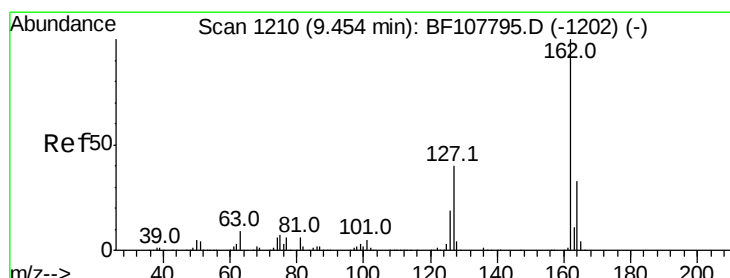
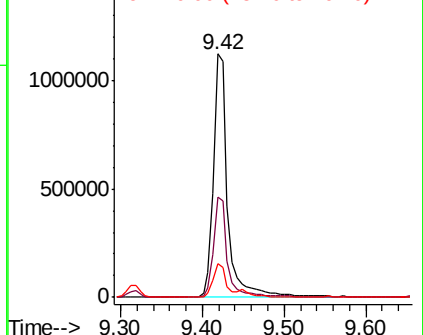
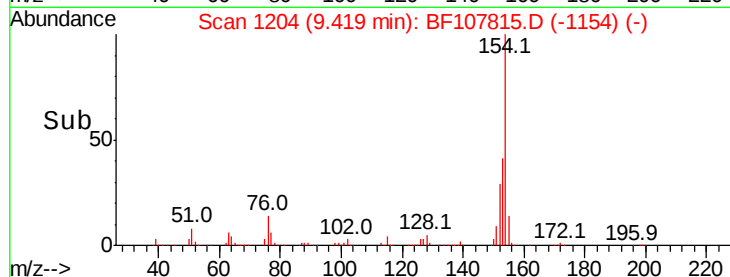


Abundance

Ion 154.00 (153.70 to 154.70): E

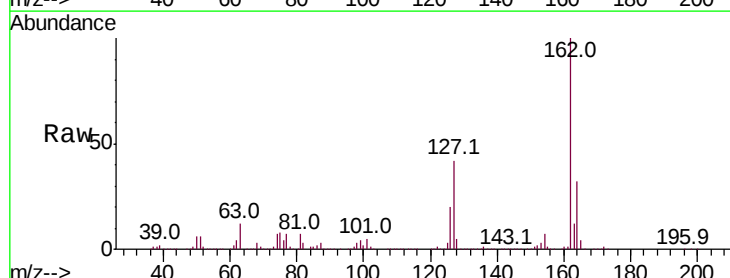
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46
 2-Chloronaphthalene
 Concen: 42.151 ng
 RT: 9.45 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.4	33.9	50.9
164	32.5	26.5	39.7

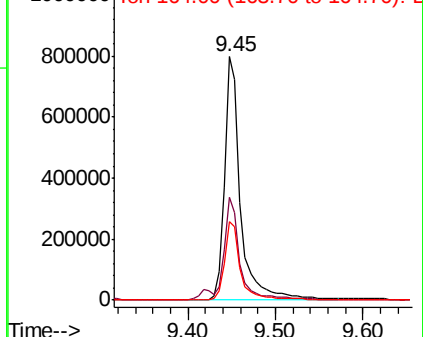
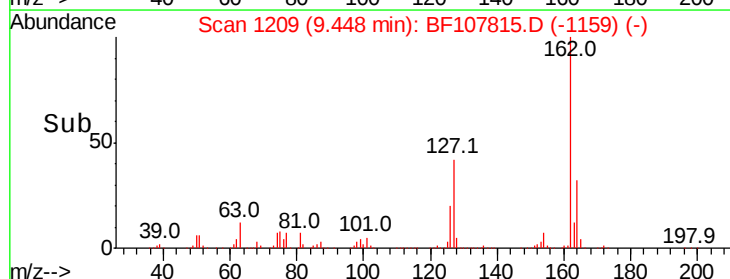


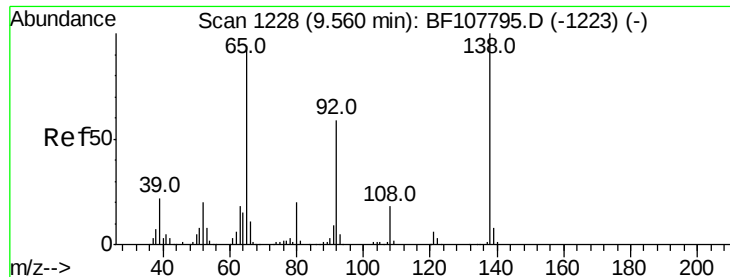
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





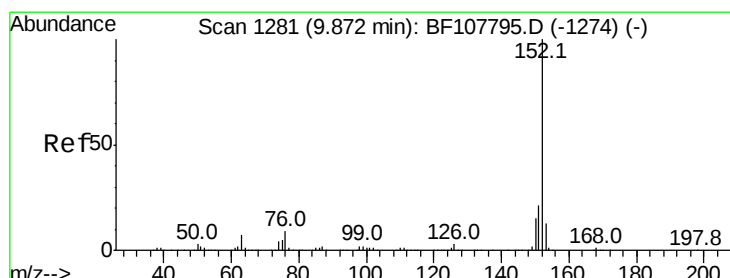
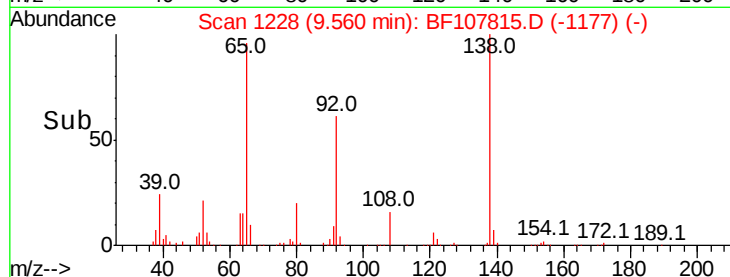
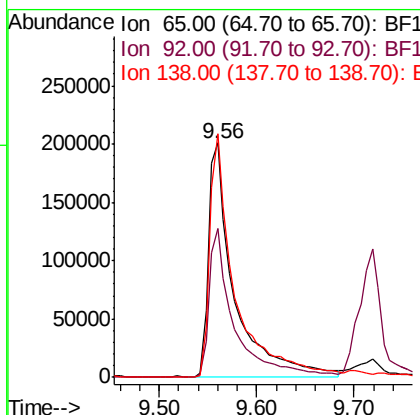
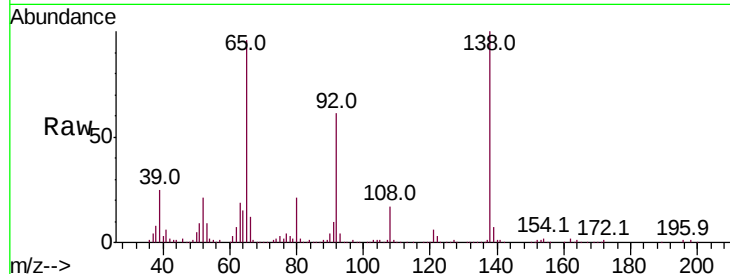
#47
2-Nitroaniline
Concen: 47.019 ng
RT: 9.56 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	63.5	55.8	83.6
138	104.0	91.2	136.8

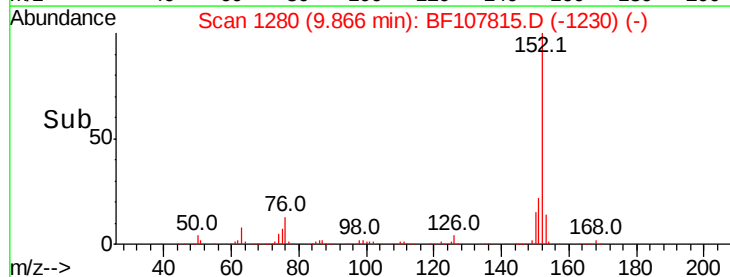
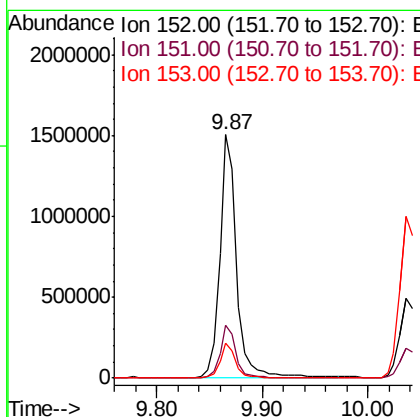
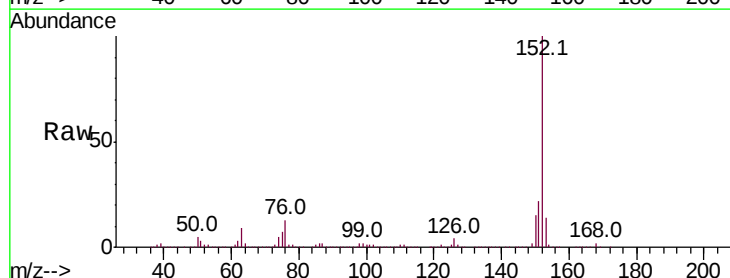
Manual Integrations
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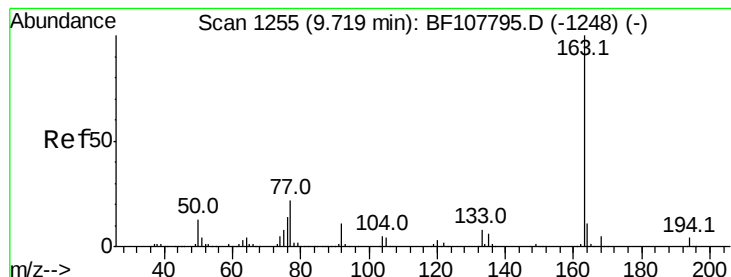
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#48
Acenaphthylene
Concen: 44.992 ng
RT: 9.87 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.3	24.5
153	14.4	10.7	16.1





#49

Dimethylphthalate

Concen: 49.224 ng

RT: 9.72 min Scan# 1255

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

ClientSampleId :

SB-6(7-9)MSD

Tot Ion:163 Resp: 1293023

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

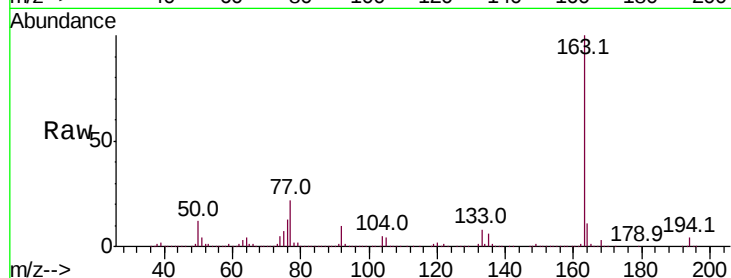
164 10.7 8.2 12.2

Manual Integrations

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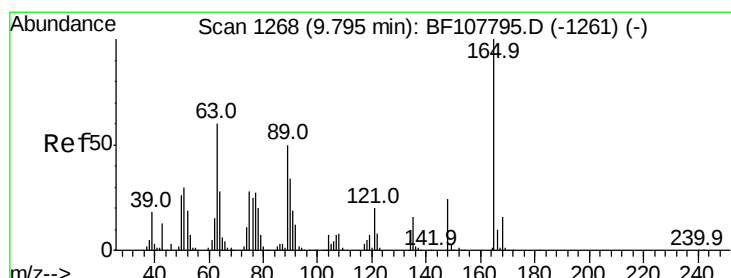
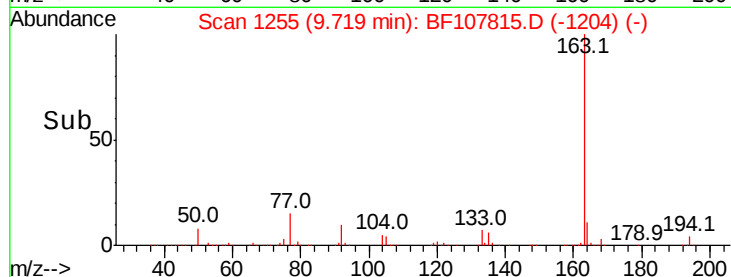
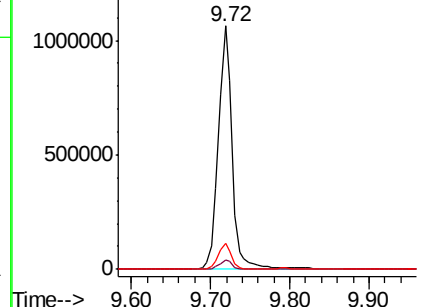
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 42.953 ng

RT: 9.79 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

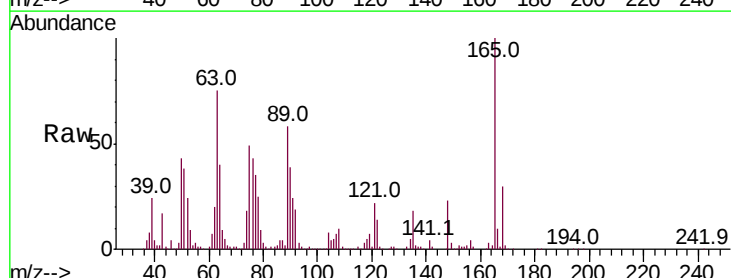
Tgt Ion:165 Resp: 245202

Ion Ratio Lower Upper

165 100

63 75.4 44.7 67.1#

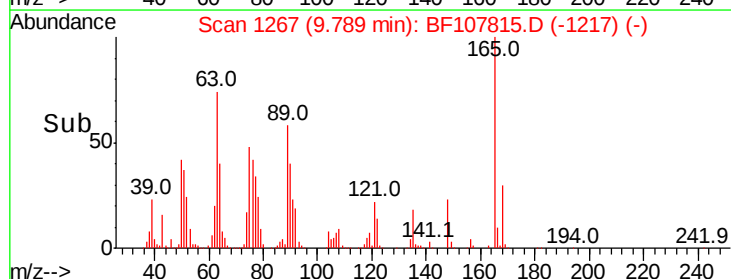
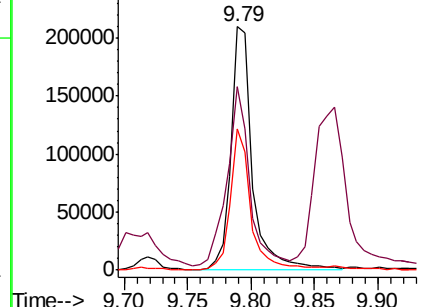
89 58.0 44.0 66.0

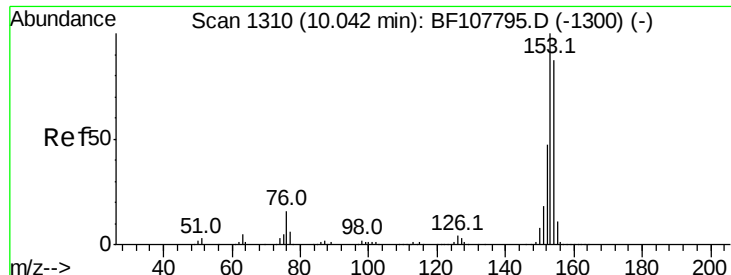


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





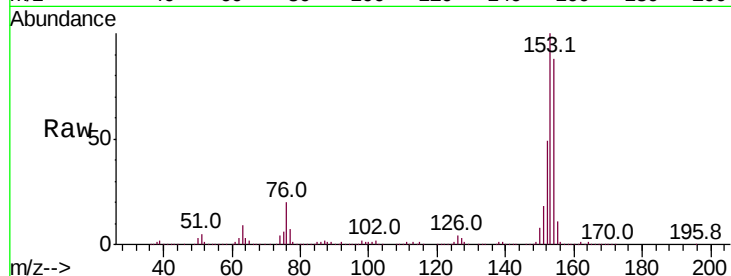
#51
Acenaphthene
Concen: 44.137 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.2	136.8
152	56.0	43.8	65.8

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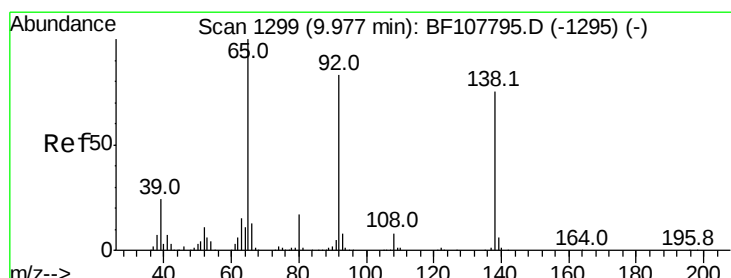
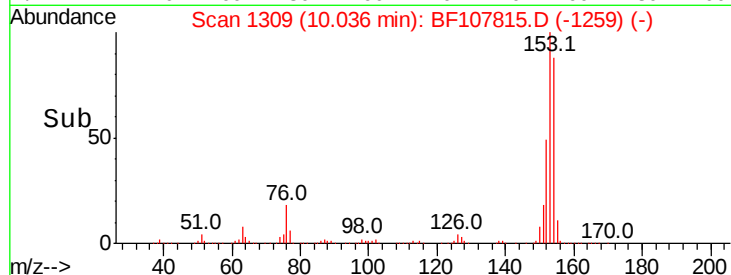
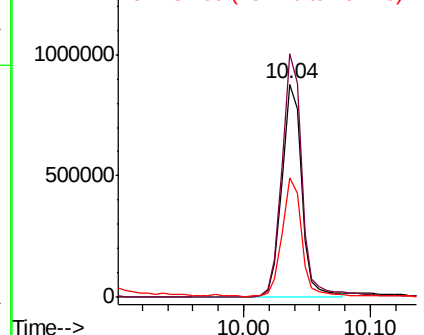


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52
3-Nitroaniline
Concen: 24.566 ng
RT: 9.98 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

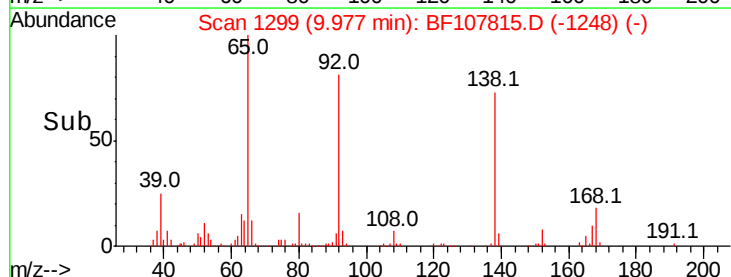
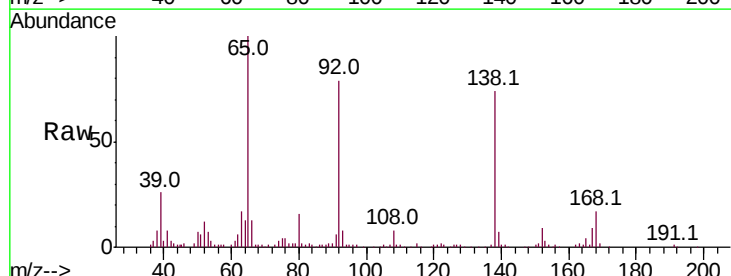
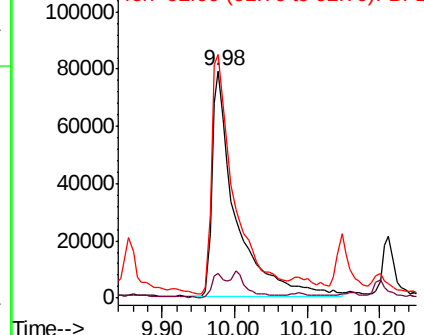
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.4	14.0
92	107.2	89.4	134.2

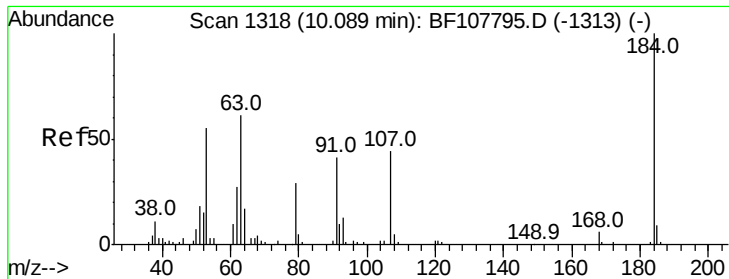
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





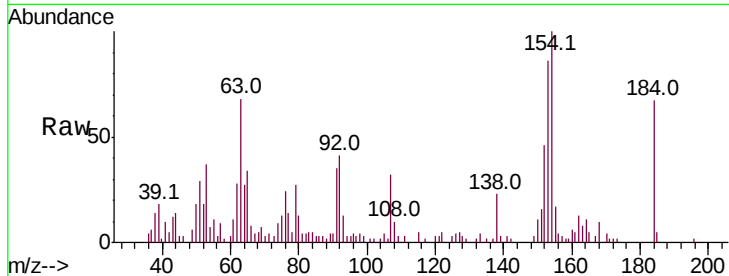
#53
2,4-Dinitrophenol
Concen: 17.657 ng
RT: 10.09 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampled :
SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	101.8	54.2	81.2#
154	149.9	184.0	276.0#

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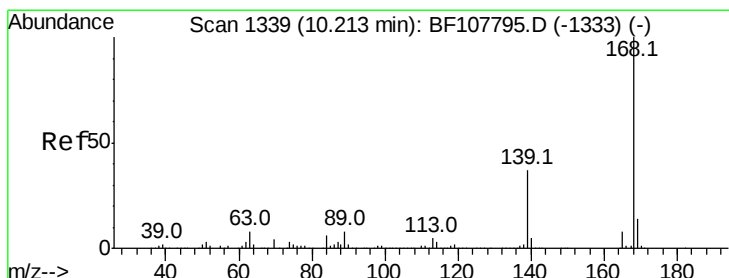
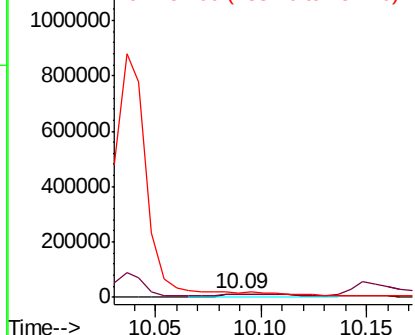
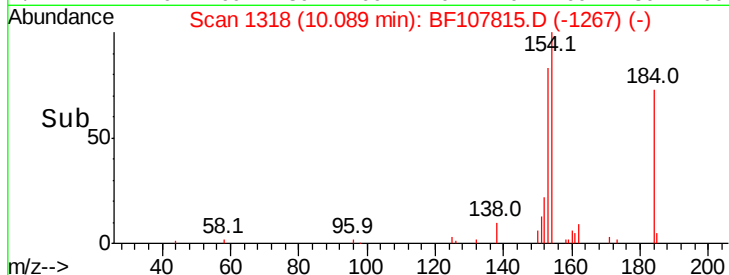


Abundance

Ion 184.00 (183.70 to 184.70): E

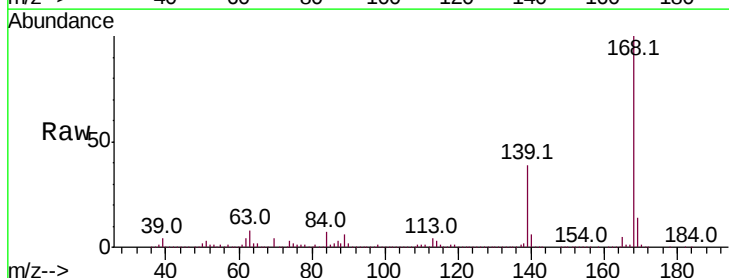
Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#54
Dibenzofuran
Concen: 44.743 ng
RT: 10.21 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.1	45.1
169	14.1	10.9	16.3

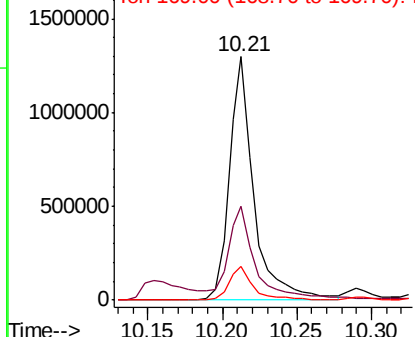
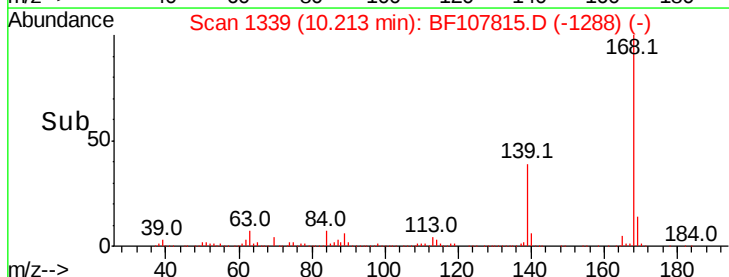


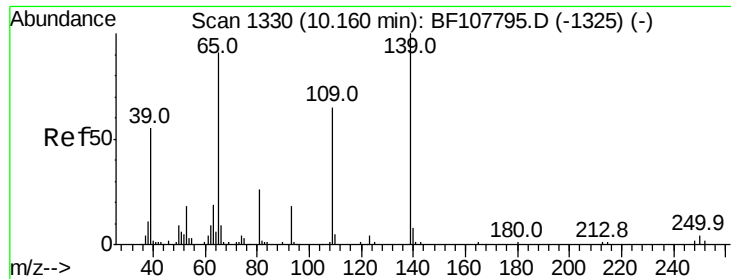
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





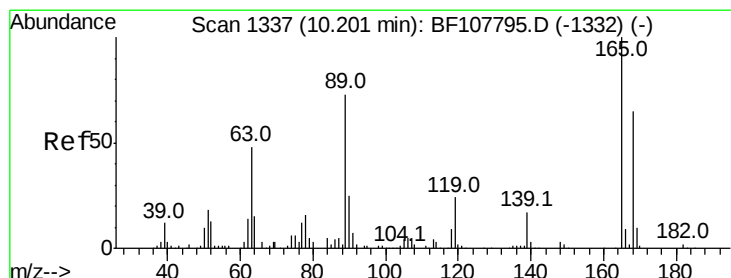
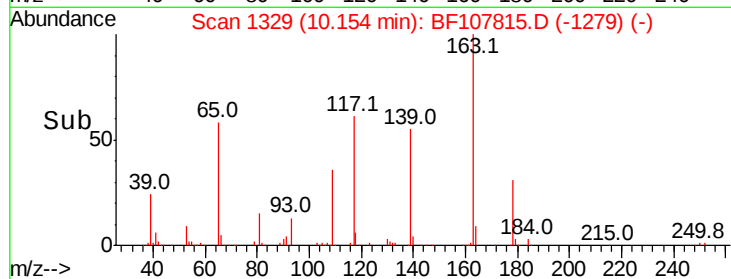
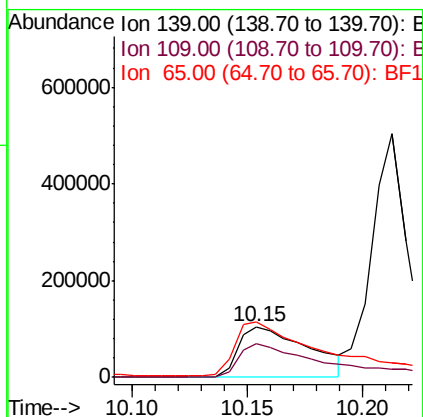
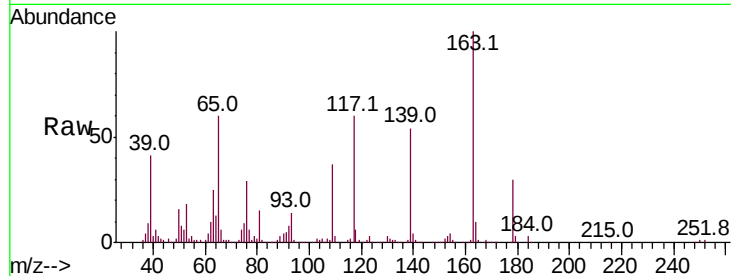
#55
4-Nitrophenol
Concen: 66.153 ng
RT: 10.15 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampled :
SB-6(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	217790		
109	67.5	48.4	88.4	
65	110.7	72.6	112.6	

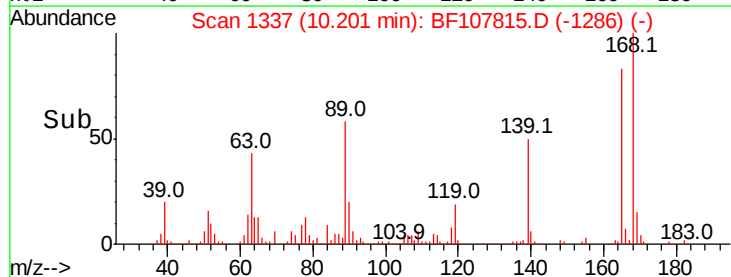
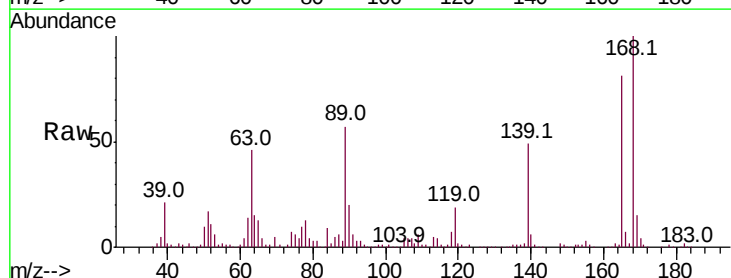
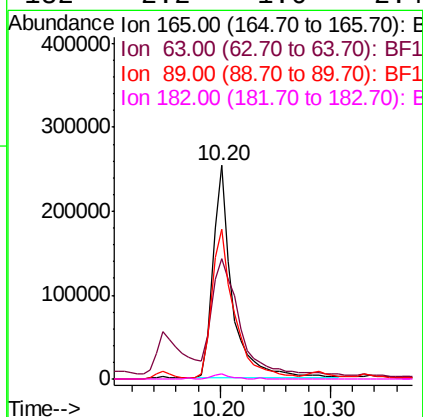
Manual Integrations
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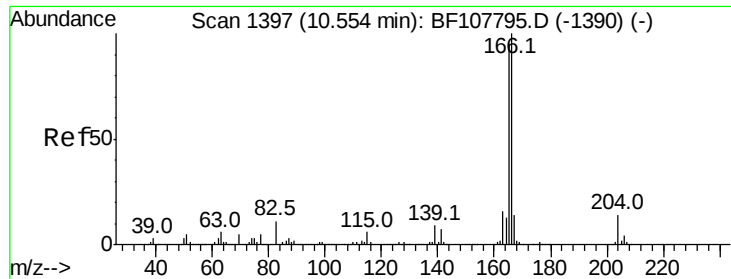
Sohil
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#56
2,4-Dinitrotoluene
Concen: 40.383 ng
RT: 10.20 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	302999		
63	56.2	36.4	54.6#	
89	70.2	57.8	86.6	
182	2.2	1.6	2.4	





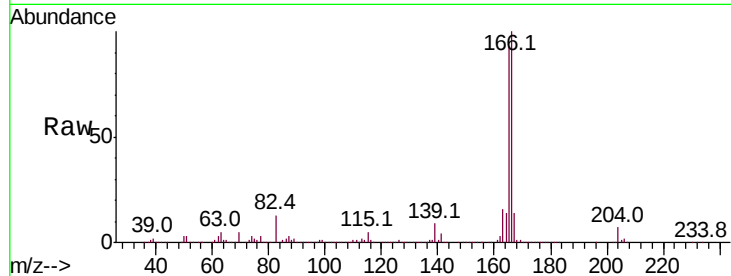
#57
Fluorene
 Concen: 49.304 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampled :
 SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.1	79.8	119.8
167	14.1	10.6	16.0

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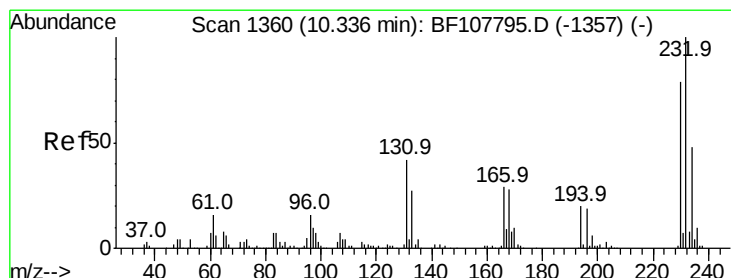
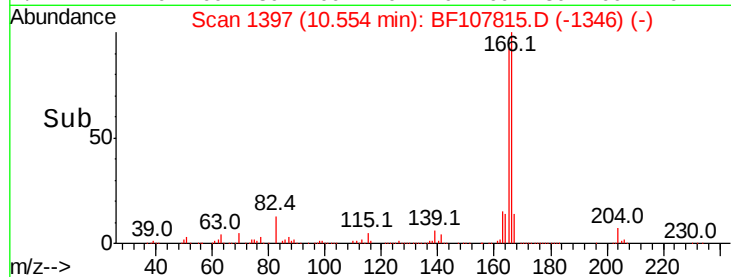
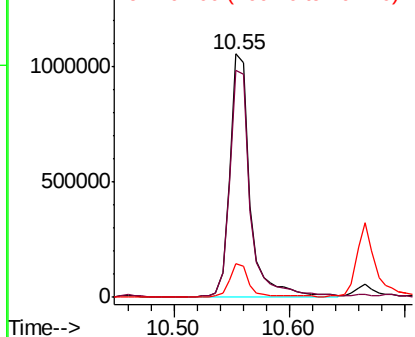


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58
2,3,4,6-Tetrachlorophenol
 Concen: 41.018 ng
 RT: 10.34 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
232	100		
131	39.8	43.8	65.8#
130	2.1	2.1	3.1
166	26.8	27.8	41.6#

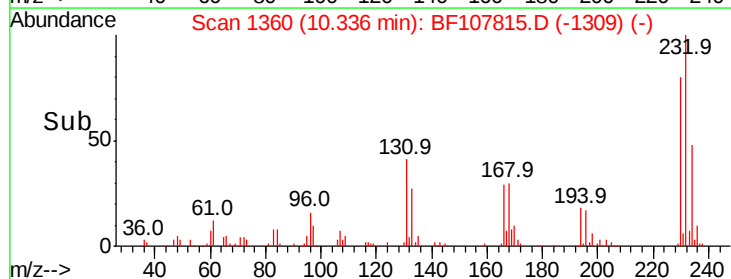
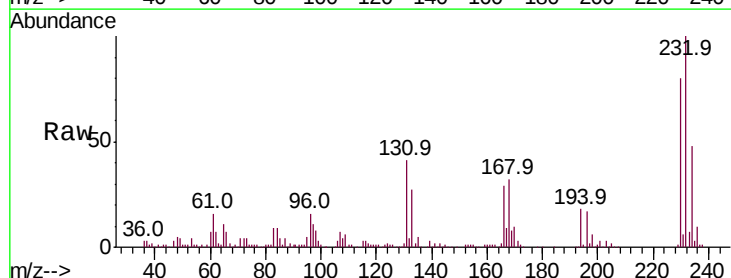
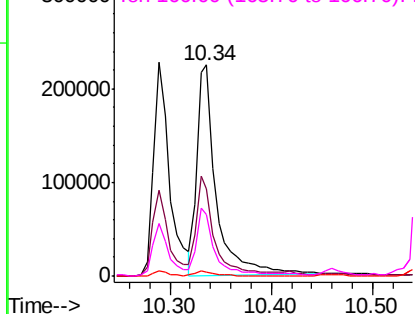
Abundance

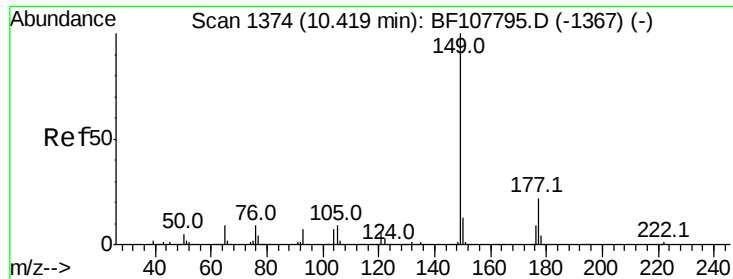
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





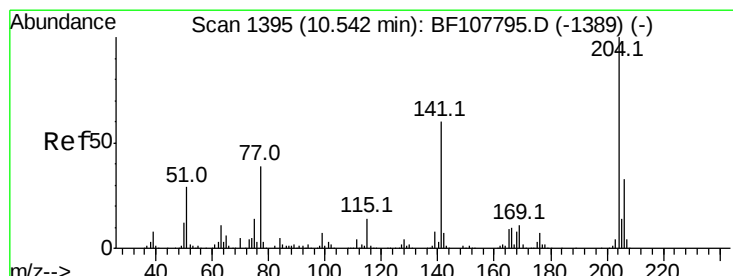
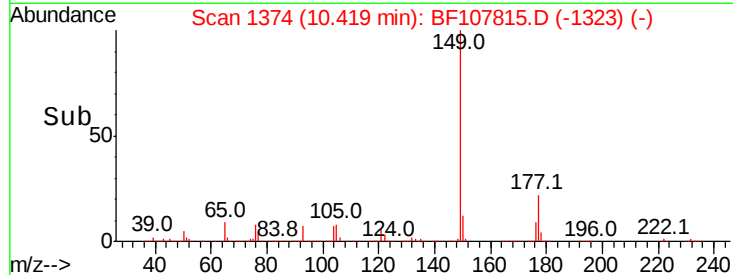
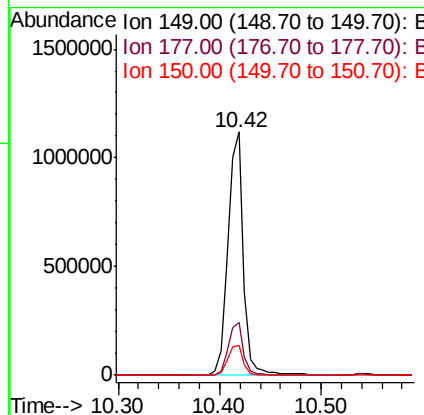
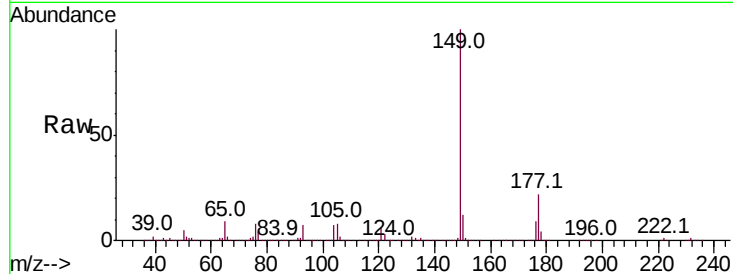
#59
Diethylphthalate
Concen: 41.665 ng
RT: 10.42 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampled :
SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.0	16.1	24.1
150	12.3	10.1	15.1

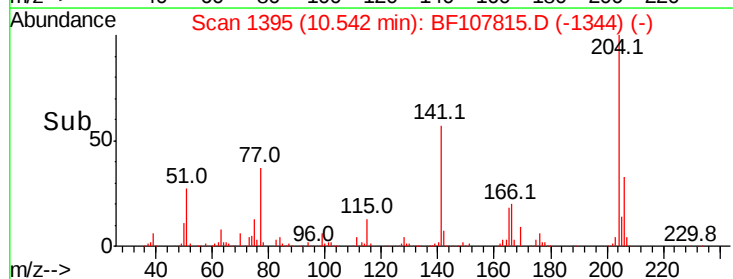
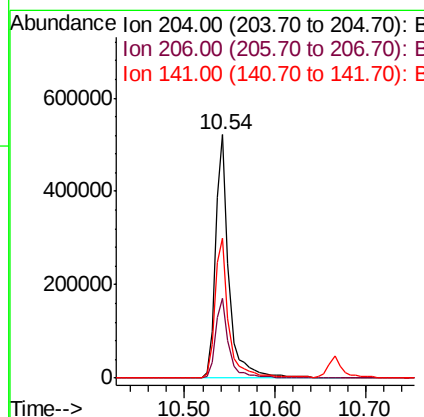
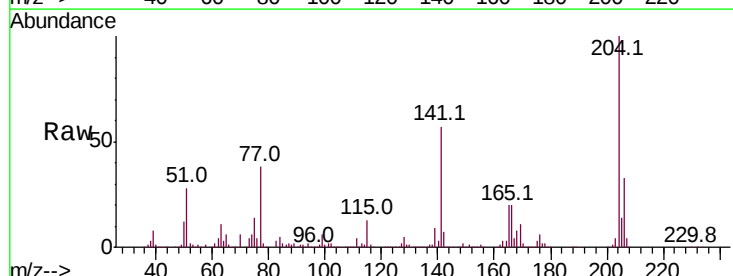
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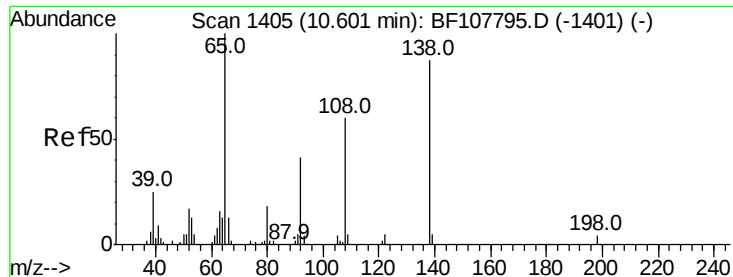
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#60
4-Chlorophenyl-phenylether
Concen: 37.998 ng
RT: 10.54 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.5	39.7
141	57.4	54.6	81.8





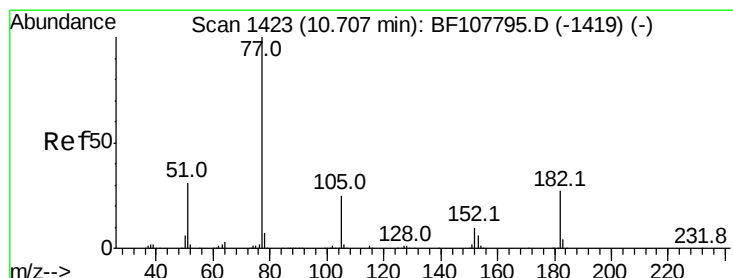
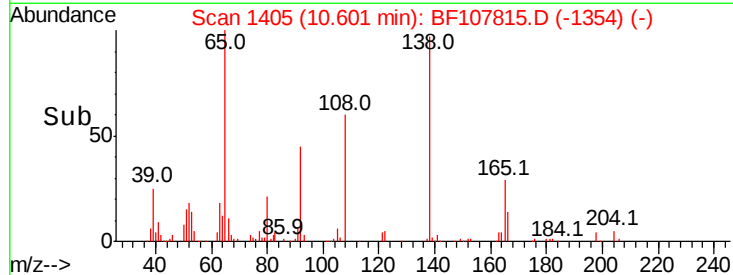
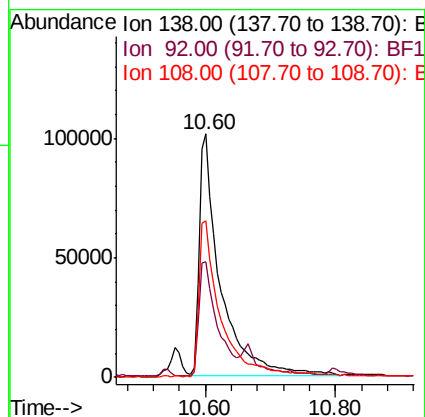
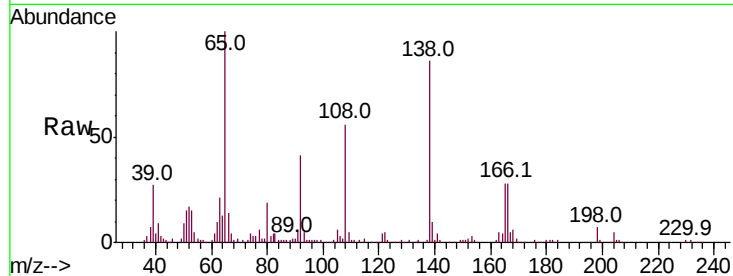
#61
4-Nitroaniline
Concen: 35.524 ng
RT: 10.60 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampled :
SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	47.6	30.2	70.2
108	64.5	52.5	92.5

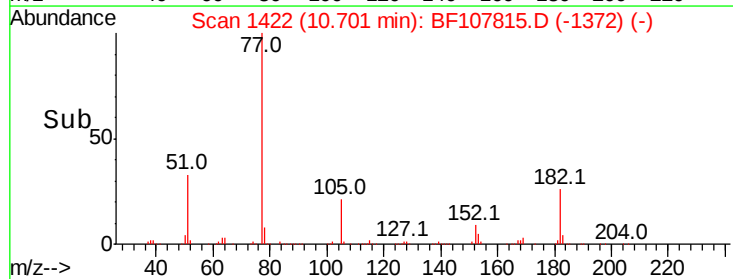
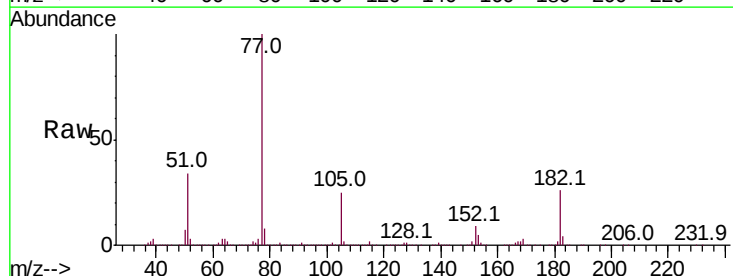
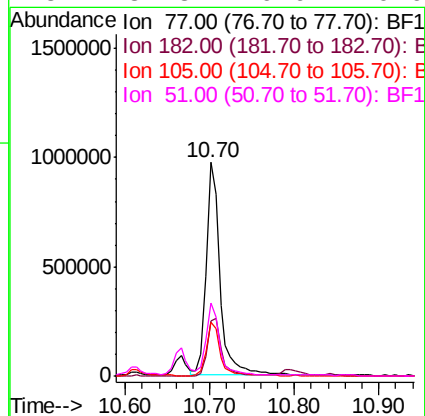
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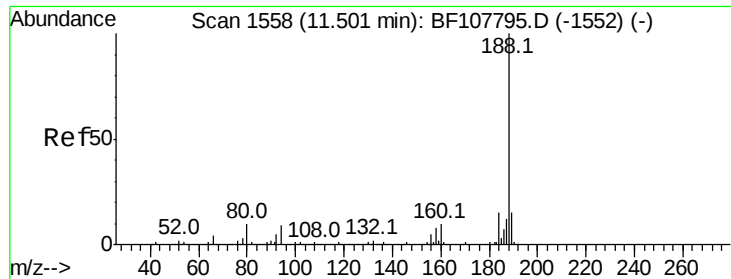
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#62
Azobenzene
Concen: 42.160 ng
RT: 10.70 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.6	1.7	41.7
105	25.0	3.0	43.0
51	34.3	9.9	49.9





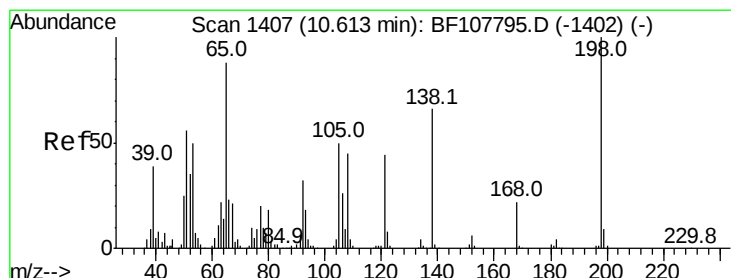
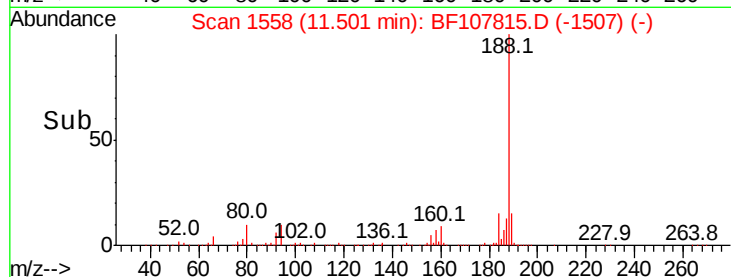
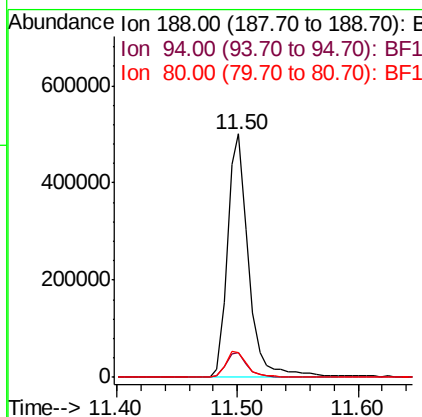
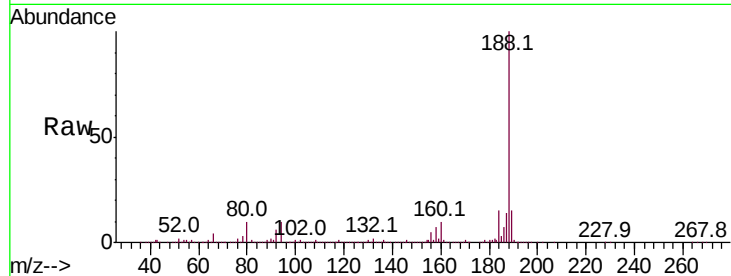
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.1	8.5	12.7	
80	10.3	9.2	13.8	

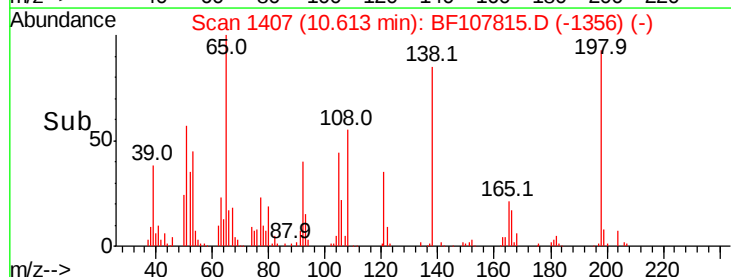
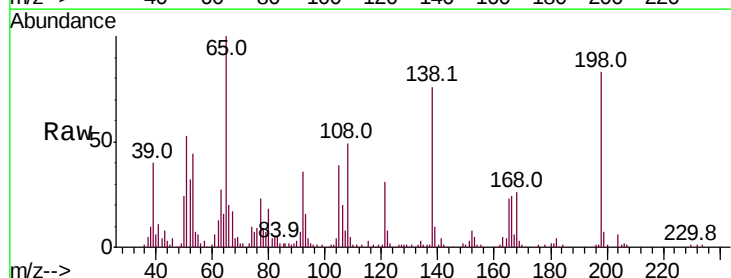
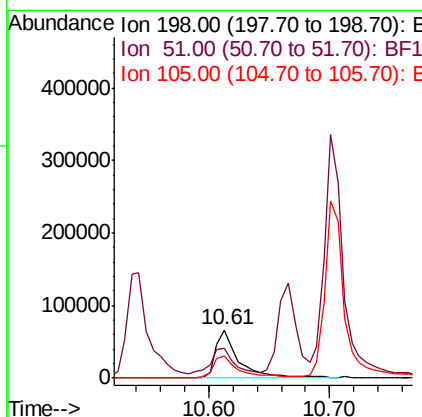
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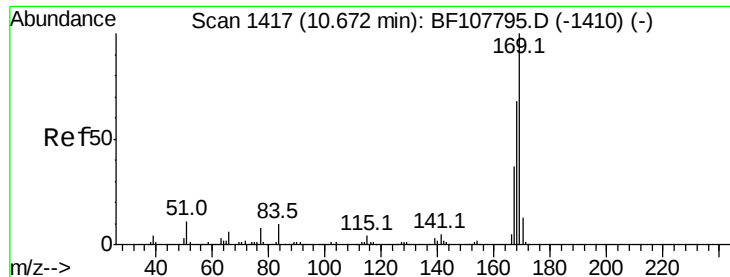
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#64
4,6-Dinitro-2-methylphenol
Concen: 26.882 ng
RT: 10.61 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	62.9	37.7	77.7	
105	46.4	36.3	76.3	





#65

n-Nitrosodiphenylamine

Concen: 48.336 ng

RT: 10.67 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

ClientSampleId :

SB-6(7-9)MSD

Tot Ion:169 Resp: 962165

Ion Ratio Lower Upper

169 100

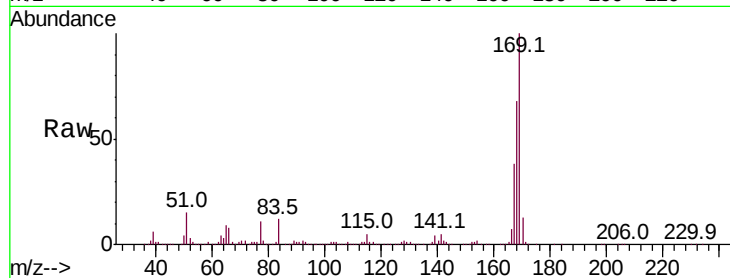
168 67.8 54.4 81.6

167 38.1 29.8 44.6

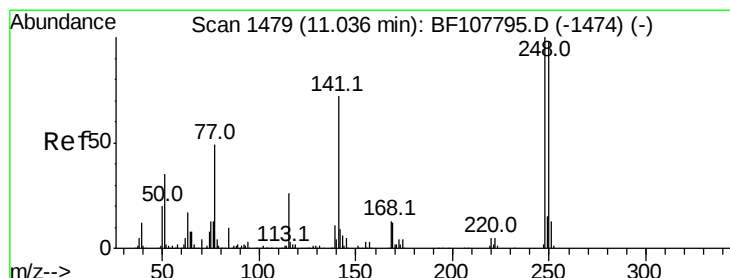
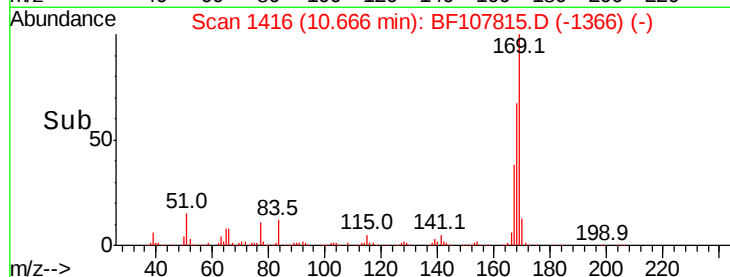
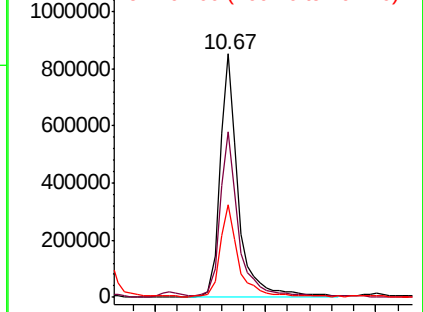
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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 47.504 ng

RT: 11.04 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

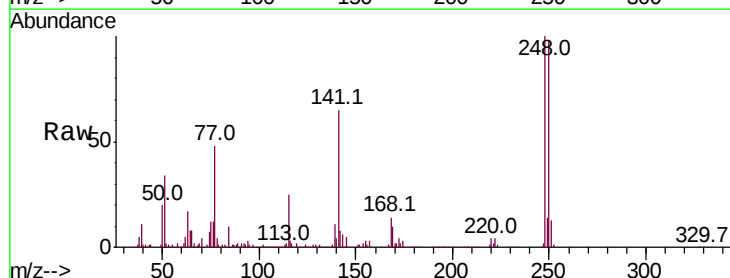
Tgt Ion:248 Resp: 334722

Ion Ratio Lower Upper

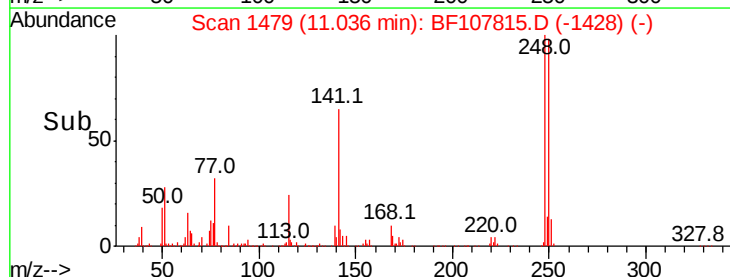
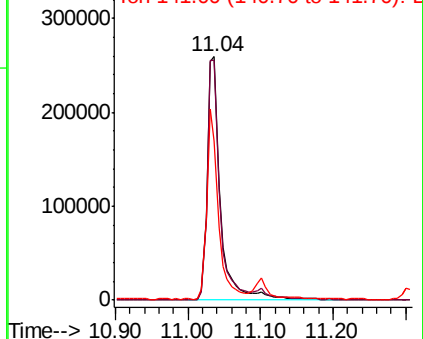
248 100

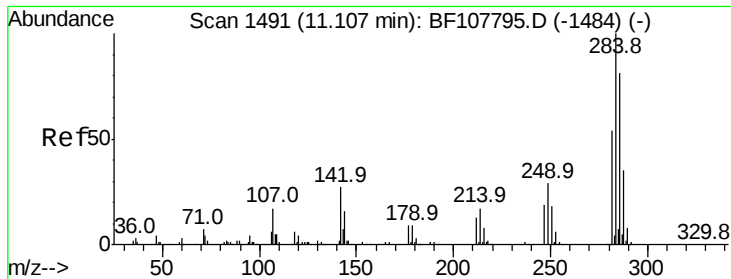
250 98.2 76.9 115.3

141 65.4 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 43.279 ng

RT: 11.10 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

ClientSampleId :

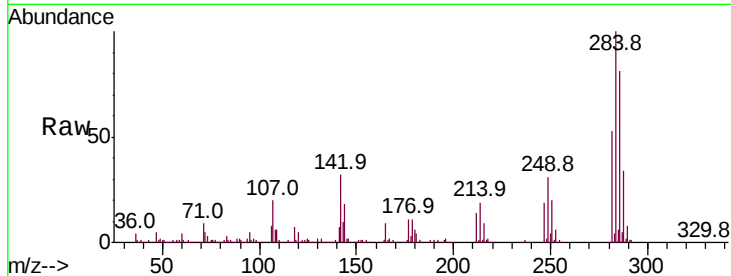
SB-6(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	32.1	34.6	52.0	
249	31.0	24.8	37.2	

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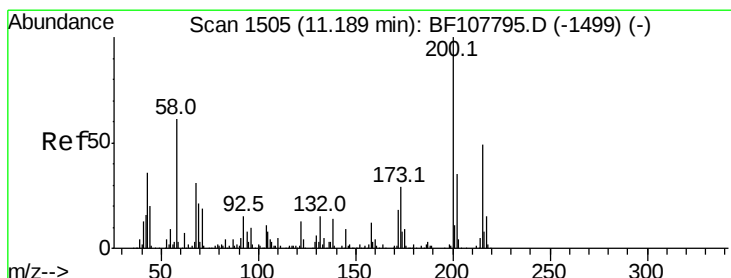
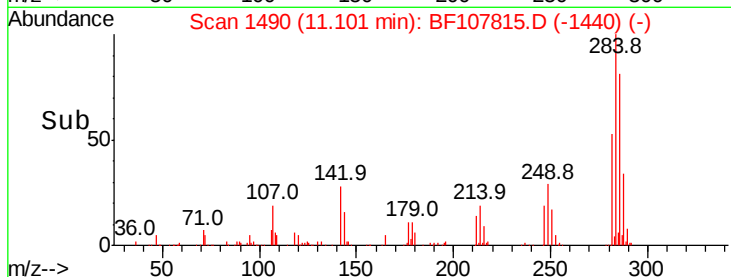
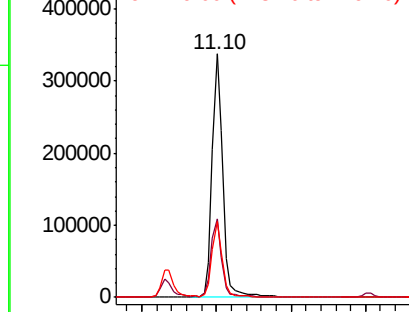


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 46.834 ng

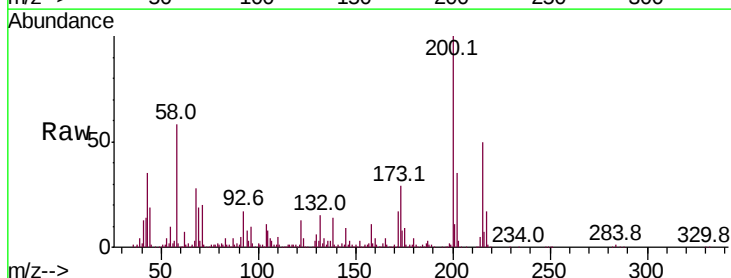
RT: 11.19 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	28.8	8.6	48.6	
215	49.8	25.1	65.1	

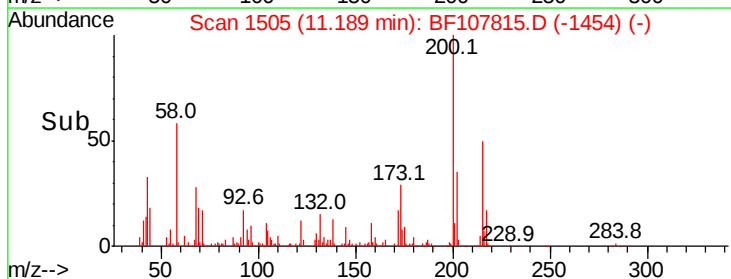
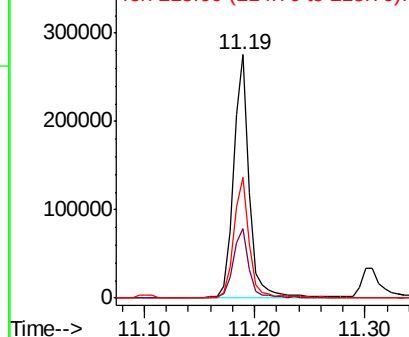


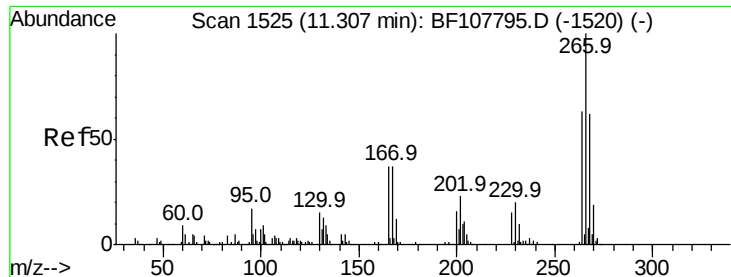
Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





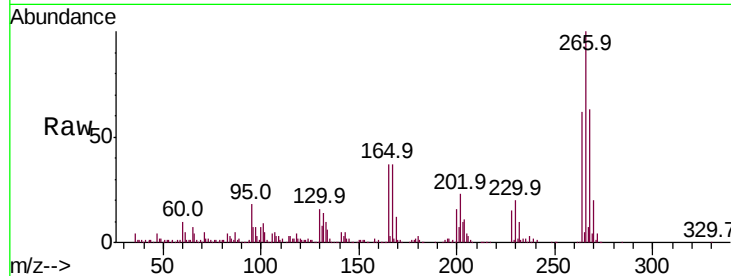
#69
 Pentachlorophenol
 Concen: 69.985 ng
 RT: 11.31 min Scan# 1525
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

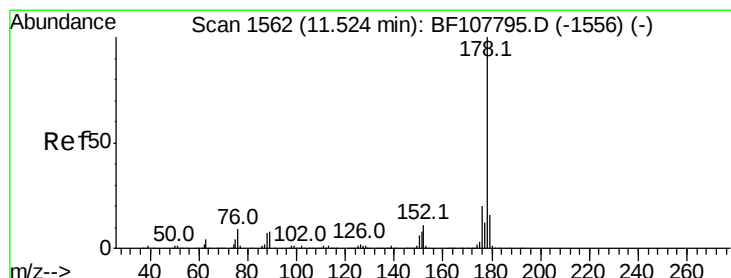
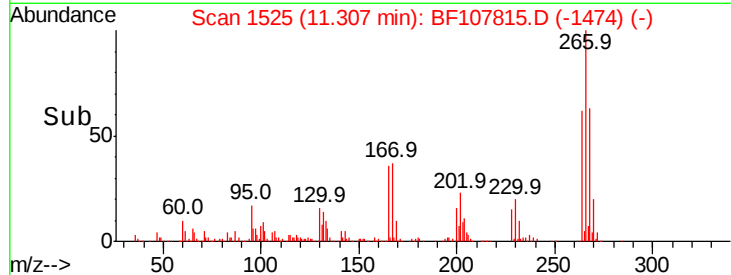
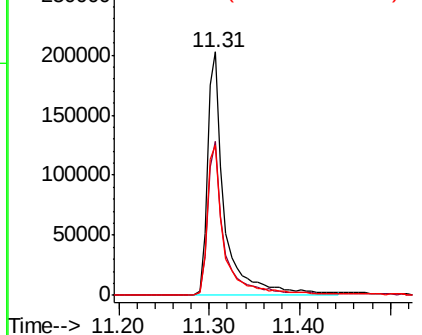
Tot Ion	Ratio	Resp	Lower	Upper
266	100	269190		
268	63.1	51.1	76.7	
264	61.9	49.5	74.3	

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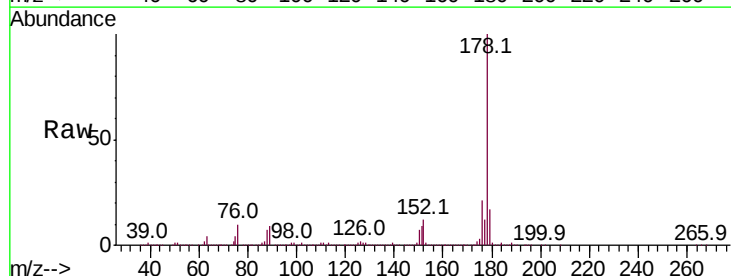


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

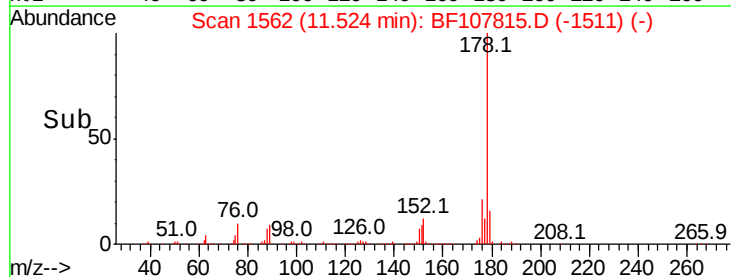
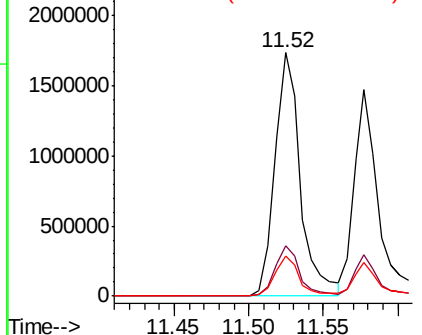


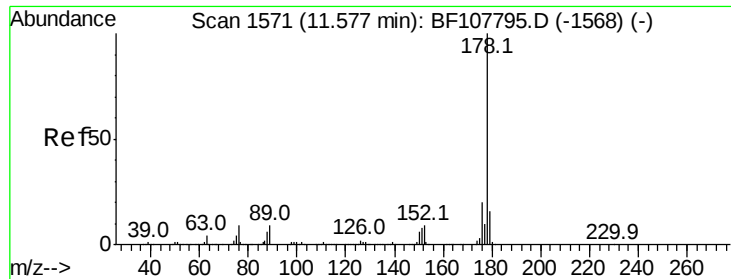
#70
 Phenanthrene
 Concen: 72.051 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2068226		
176	20.9	15.8	23.8	
179	16.6	13.0	19.6	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





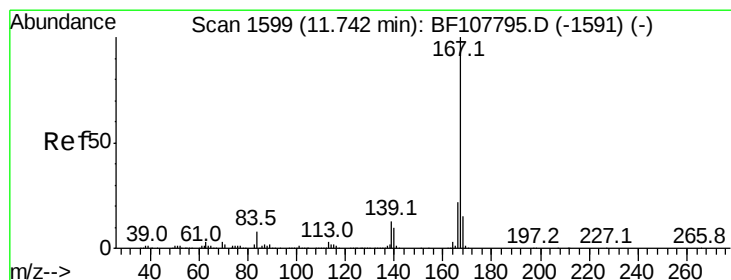
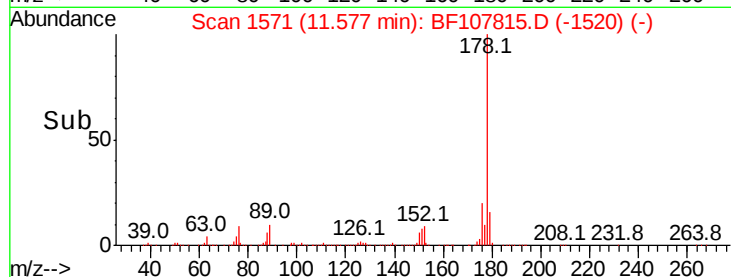
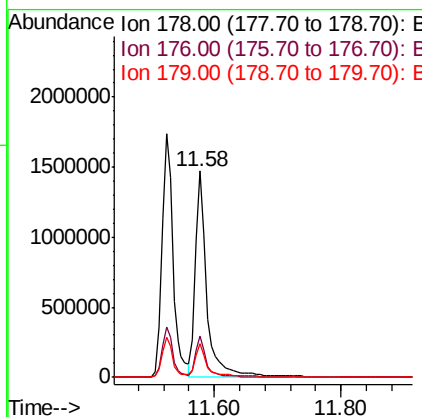
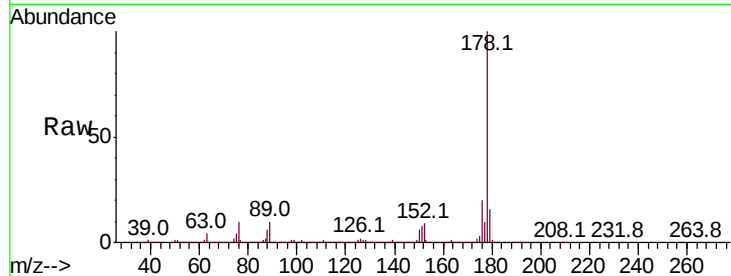
#71
 Anthracene
 Concen: 54.958 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	16.5	12.6	19.0

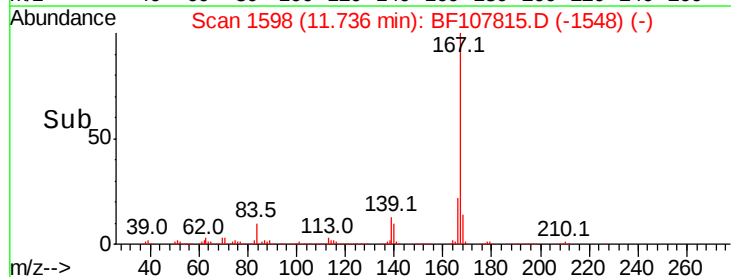
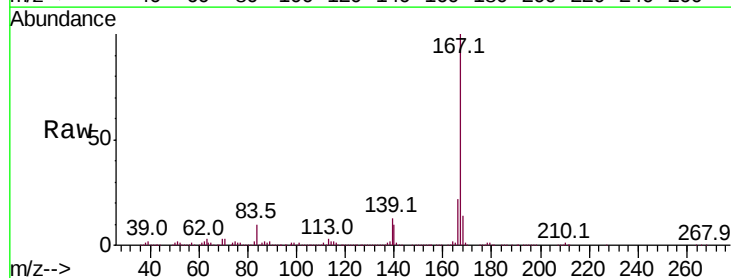
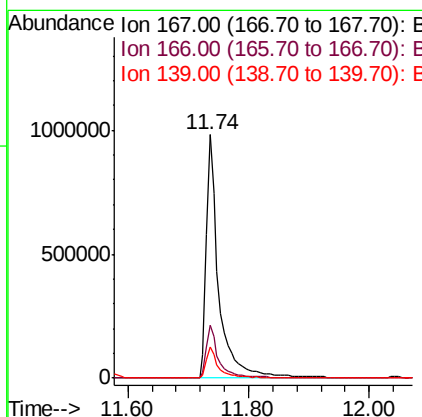
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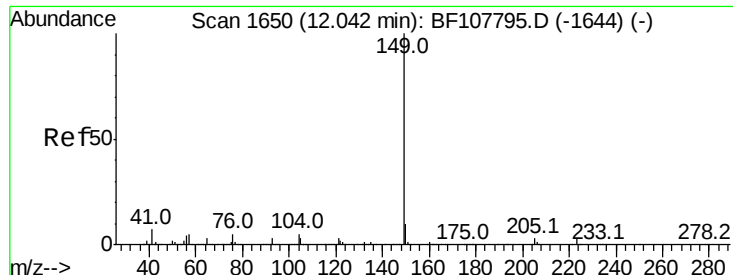
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 7/31/2018 2:42:44 PM



#72
 Carbazole
 Concen: 43.331 ng
 RT: 11.74 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	12.7	10.9	16.3





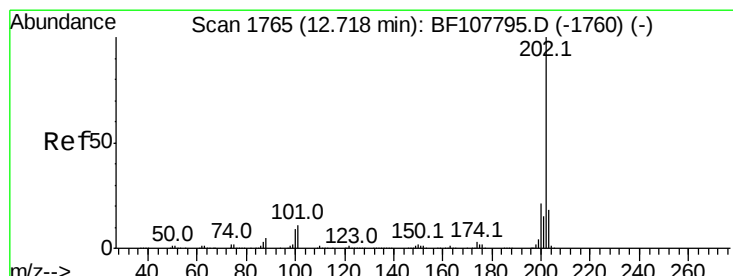
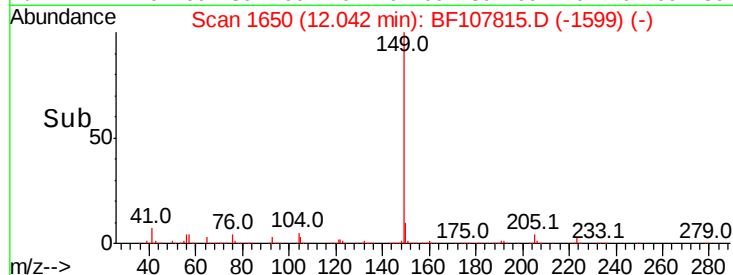
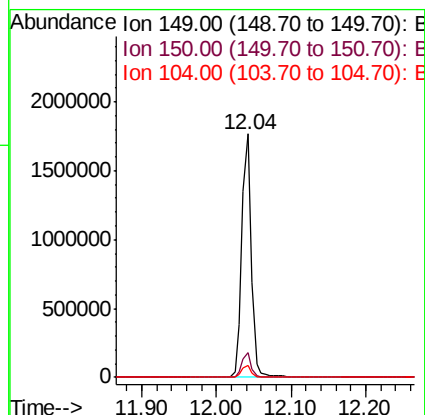
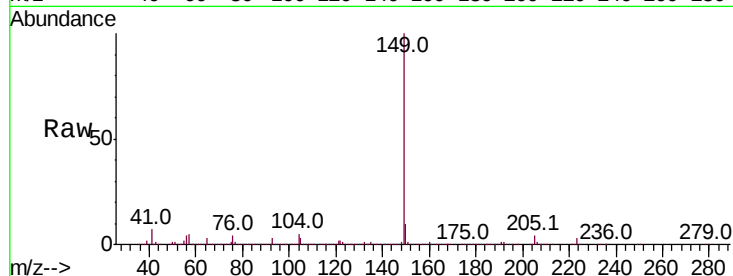
#73
Di-n-butylphthalate
Concen: 44.400 ng
RT: 12.04 min Scan# 1650
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.8	11.6
104	4.8	3.8	5.8

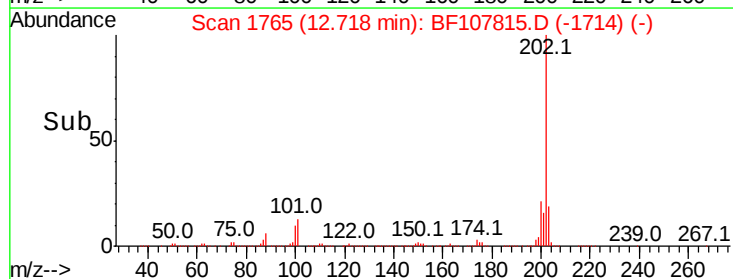
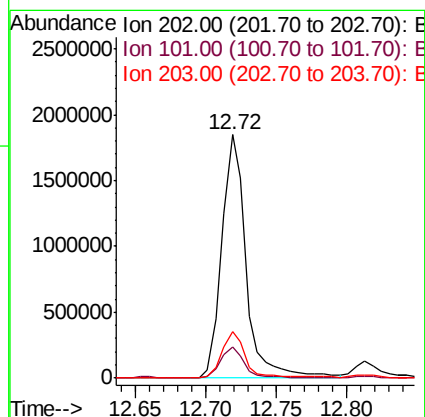
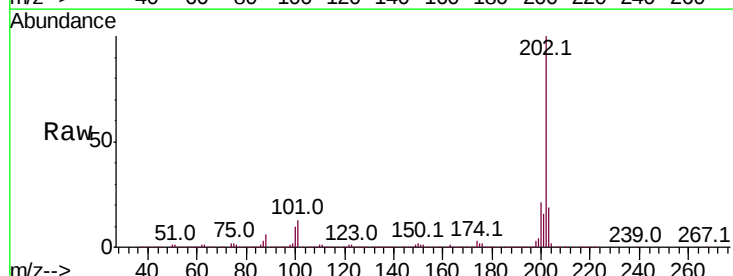
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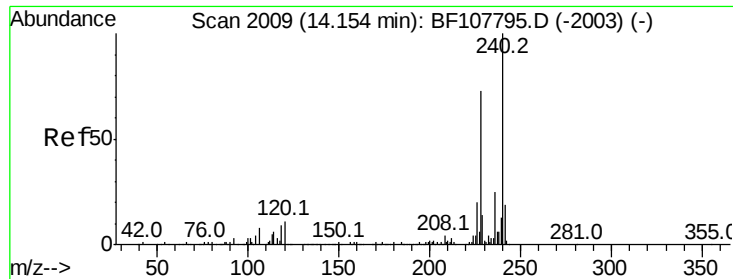
Sohil
7/31/2018 2:42:44 PM



#74
Fluoranthene
Concen: 65.823 ng
RT: 12.72 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	19.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

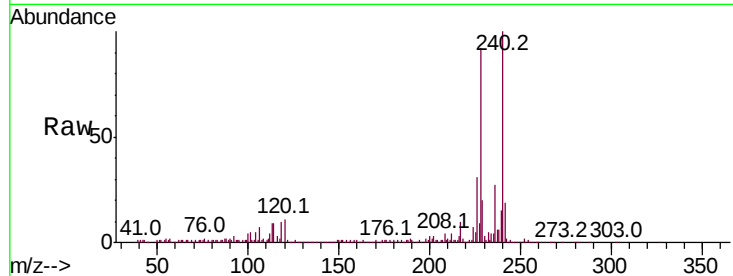
ClientSampleId :

SB-6(7-9)MSD

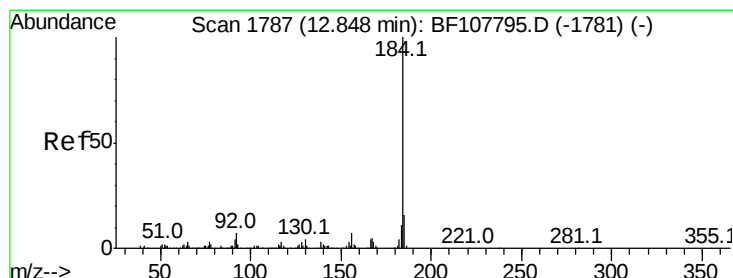
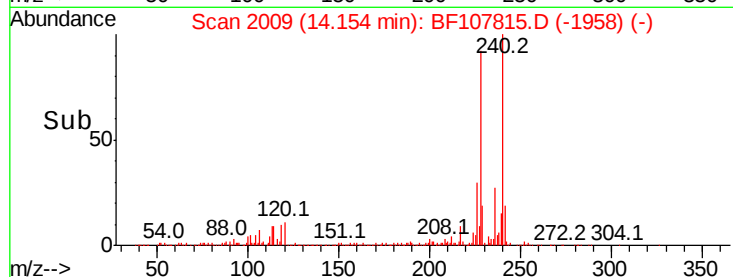
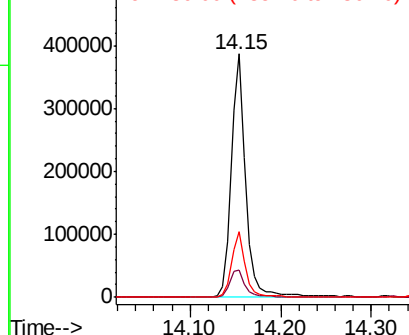
Tot Ion:	240	Resp:	420804
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.5	14.3
236	27.0	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 54.474 ng

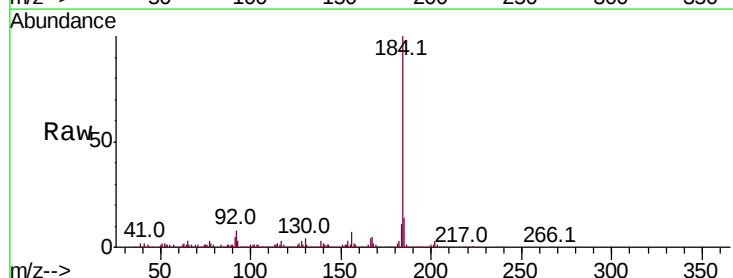
RT: 12.85 min Scan# 1787

Delta R.T. 0.00 min

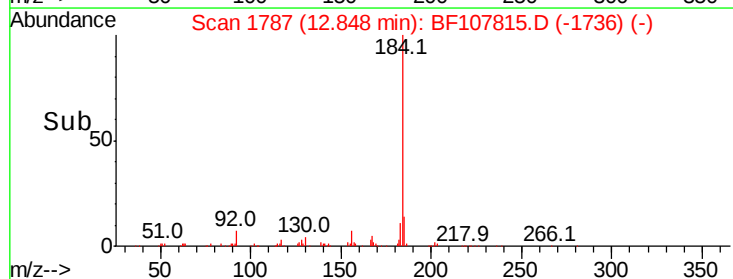
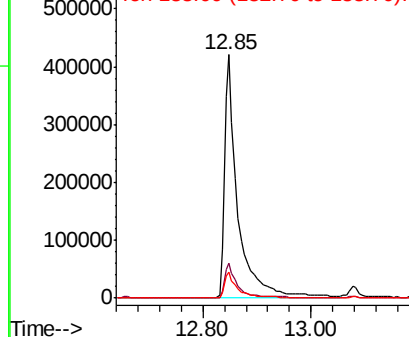
Lab File: BF107815.D

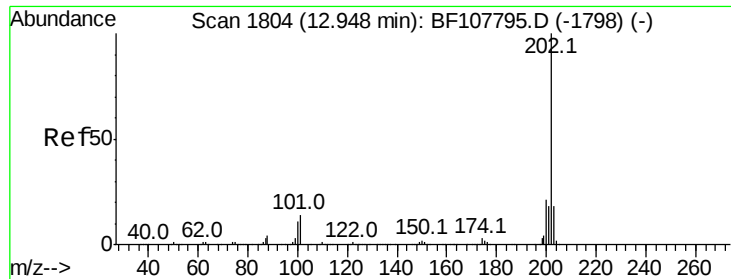
Acq: 30 Jul 2018 22:07

Tgt Ion:	184	Resp:	741155
Ion Ratio	Lower	Upper	
184	100		
185	14.2	12.6	18.8
183	10.7	9.3	13.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 65.734 ng

RT: 12.95 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

ClientSampleId :

SB-6(7-9)MSD

Tot Ion:202 Resp: 1991837

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

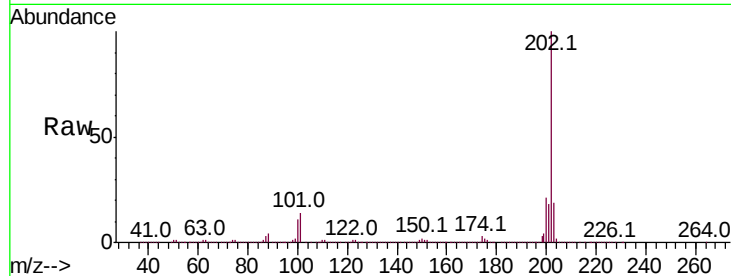
203 18.5 14.3 21.5

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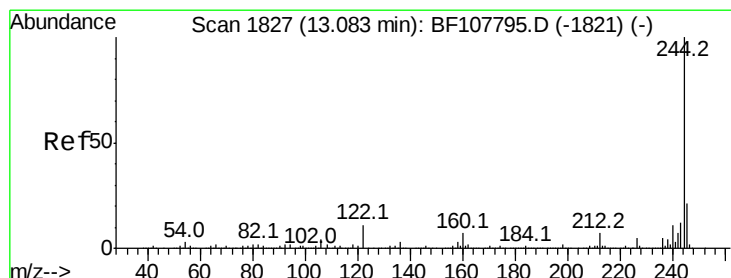
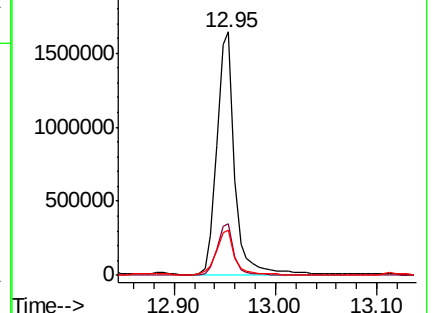
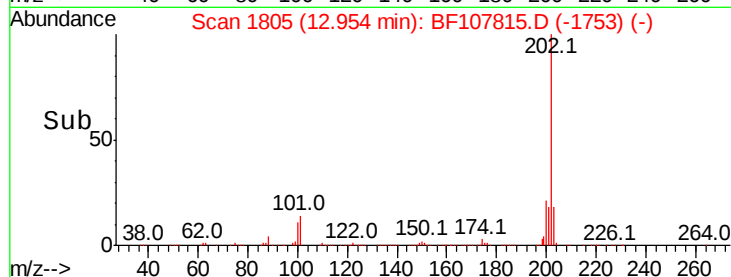
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 83.225 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

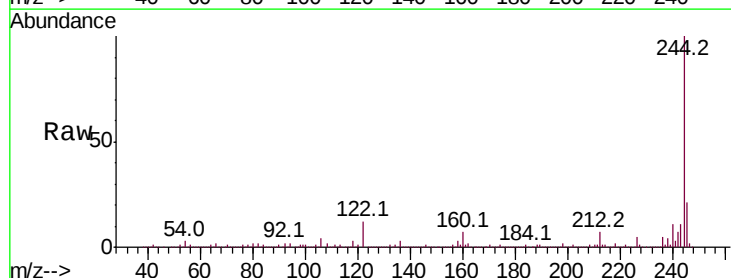
Tgt Ion:244 Resp: 1615053

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

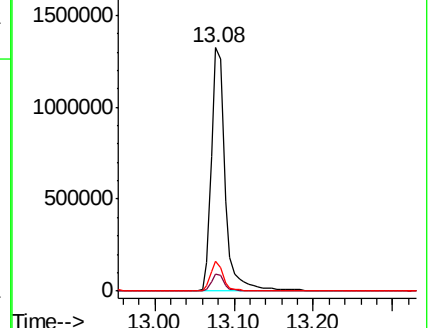
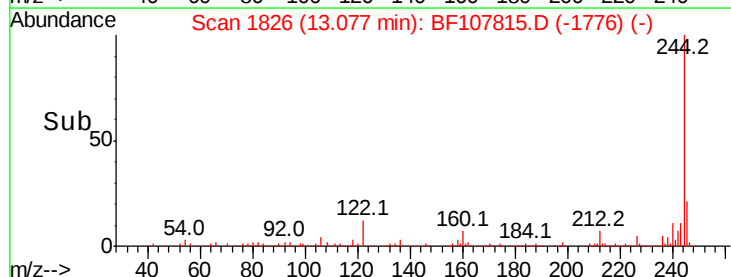
122 12.4 11.0 16.4

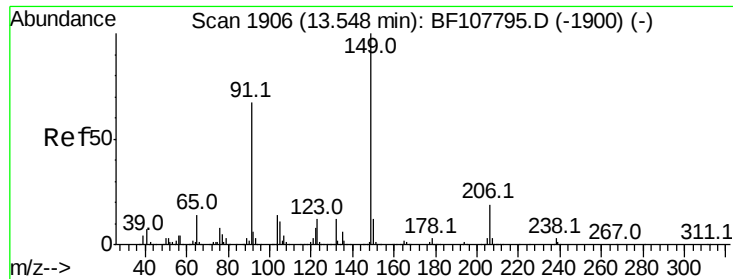


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





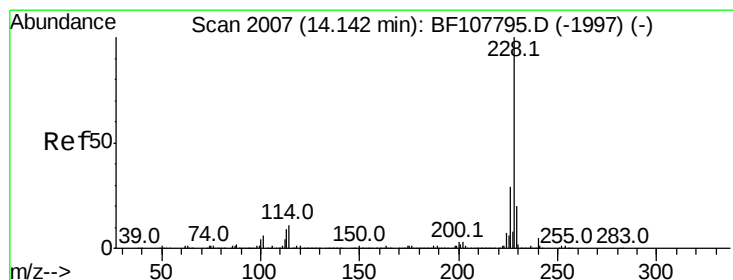
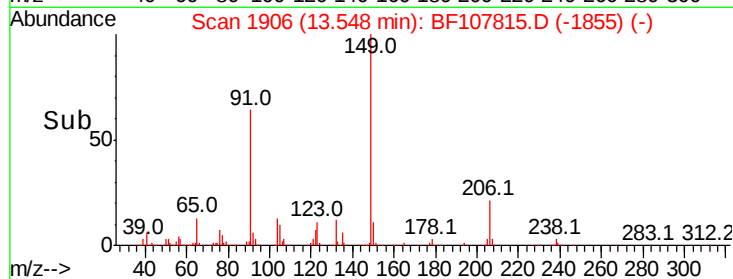
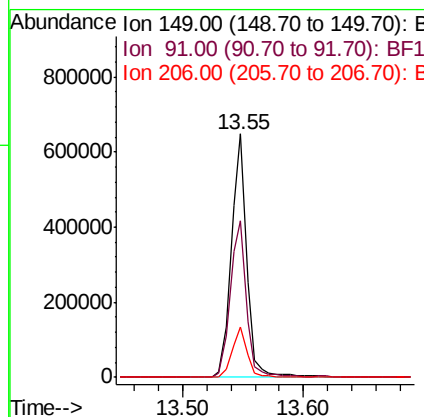
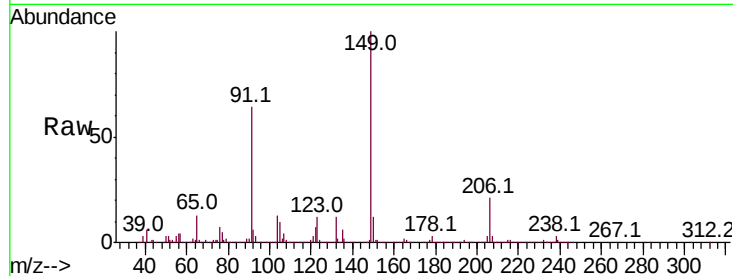
#79
 Butylbenzylphthalate
 Concen: 43.022 ng
 RT: 13.55 min Scan# 1906
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

Tot Ion:	149	Resp:	570874
Ion Ratio	Lower	Upper	
149	100		
91	64.2	56.8	85.2
206	20.7	14.1	21.1

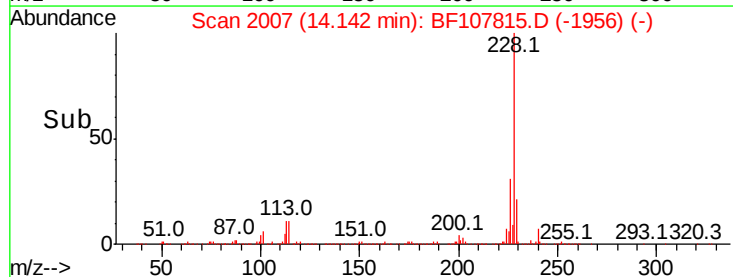
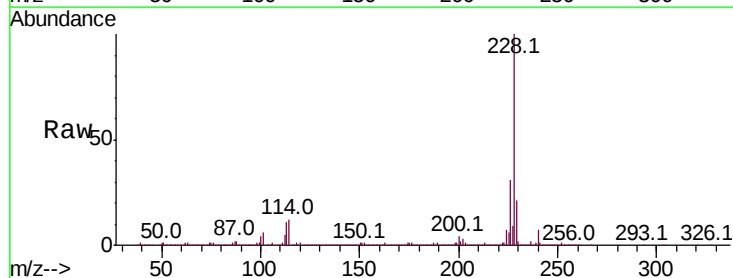
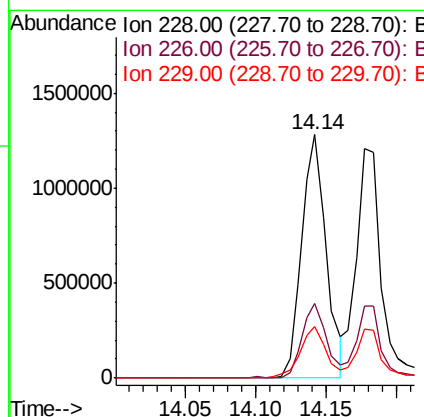
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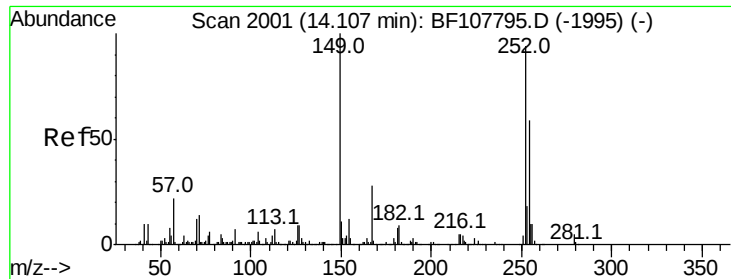
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#80
 Benzo(a)anthracene
 Concen: 64.602 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Tgt Ion:	228	Resp:	1539913
Ion Ratio	Lower	Upper	
228	100		
226	30.9	22.6	33.8
229	21.4	15.8	23.6





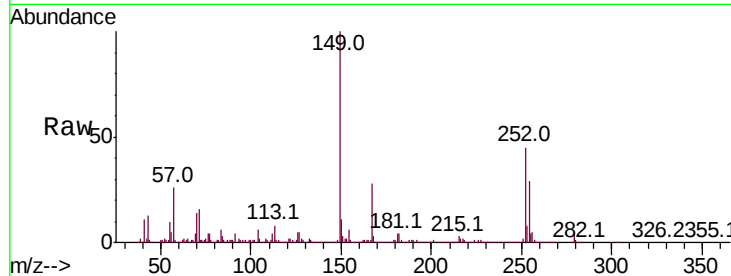
#81
 3,3'-Dichlorobenzidine
 Concen: 39.753 ng
 RT: 14.10 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.4	50.4	75.6
126	11.8	11.3	16.9

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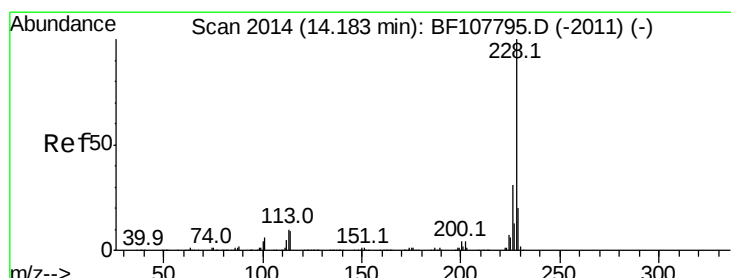
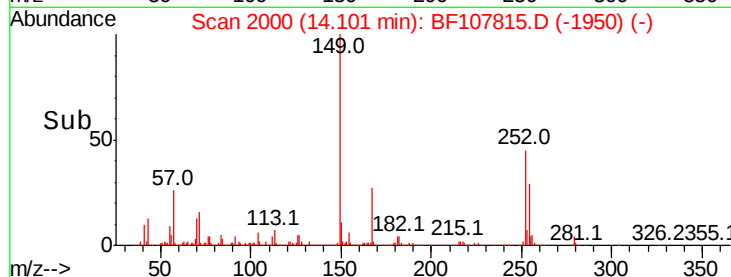
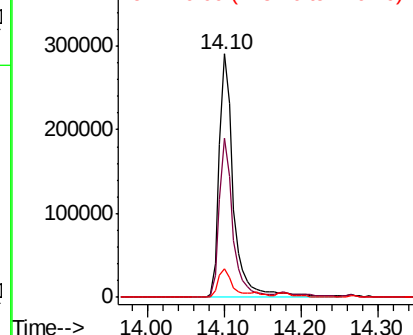


Abundance

Ion 252.00 (251.70 to 252.70): E

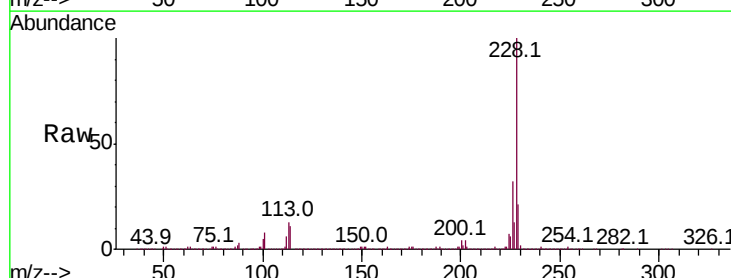
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
 Chrysene
 Concen: 59.041 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	21.3	16.2	24.4

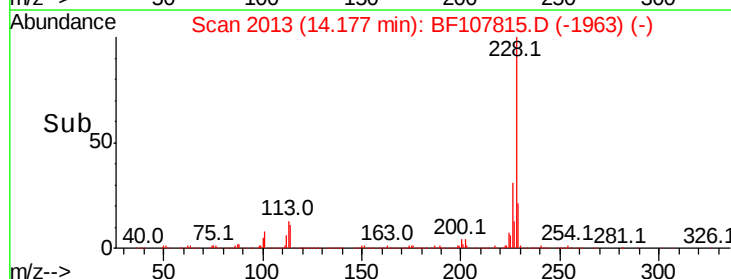
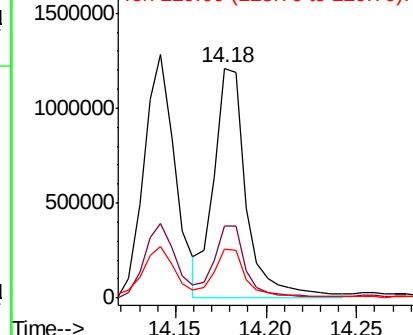


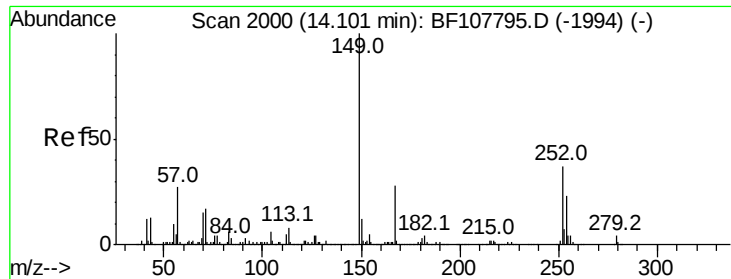
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





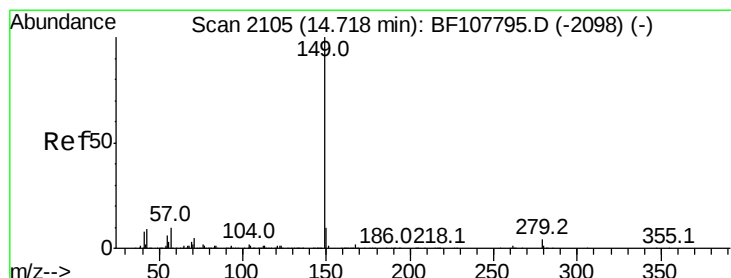
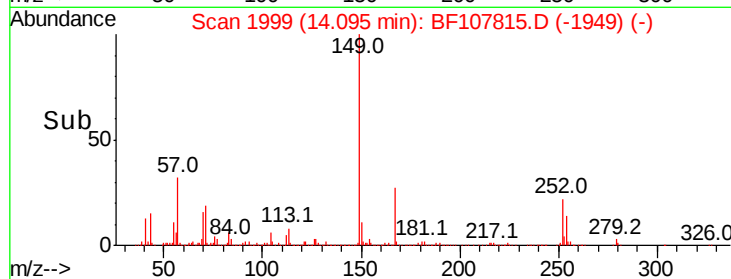
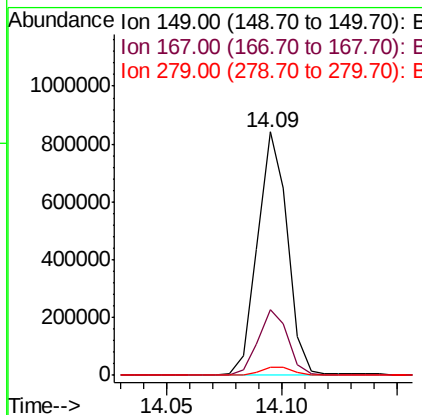
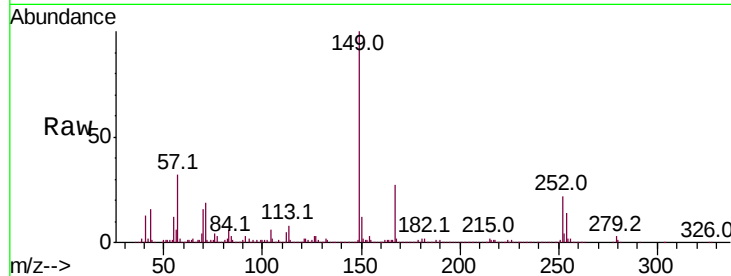
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.496 ng
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.3	31.9
279	3.5	3.0	4.4

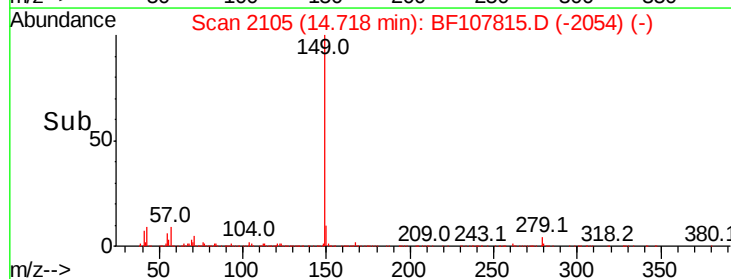
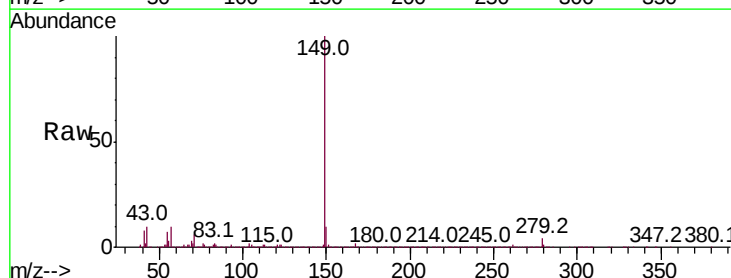
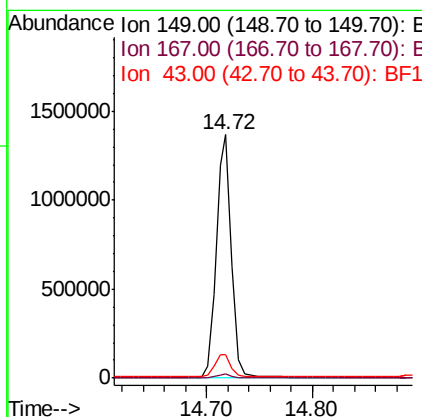
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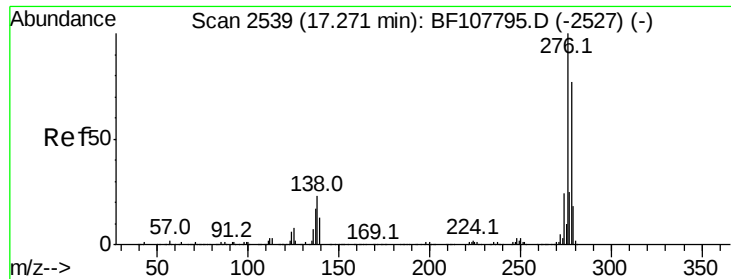
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#84
 Di-n-octyl phthalate
 Concen: 51.426 ng
 RT: 14.72 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	9.9	8.4	12.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 81.270 ng

RT: 17.28 min Scan# 2540

Delta R.T. 0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

ClientSampleId :

SB-6(7-9)MSD

Tot Ion:276 Resp: 1589341

Ion Ratio Lower Upper

276 100

138 26.3 25.0 37.6

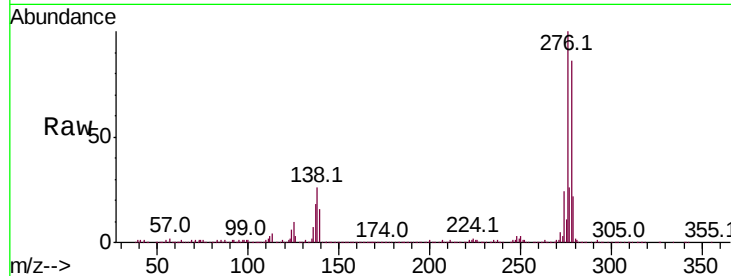
277 24.7 20.1 30.1

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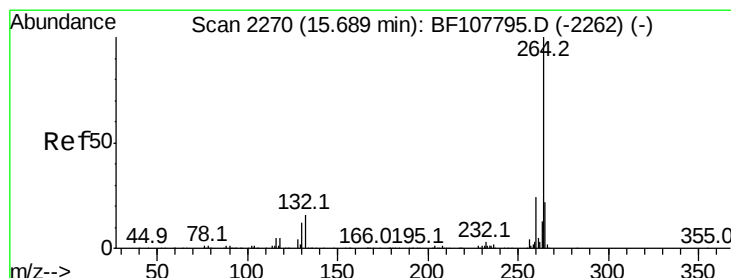
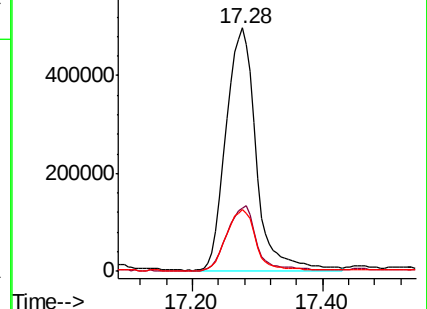
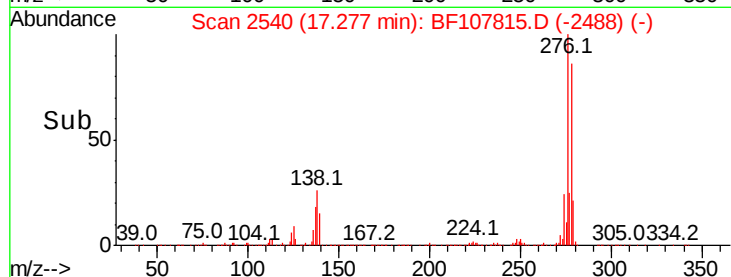
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

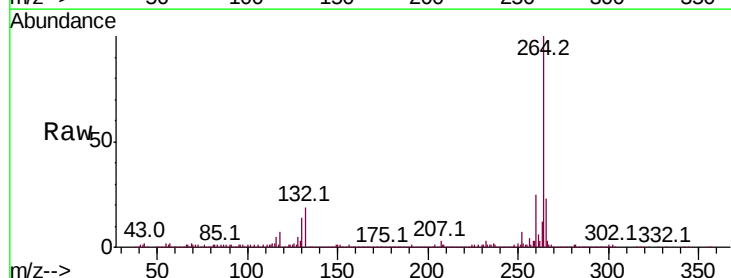
Tgt Ion:264 Resp: 544517

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

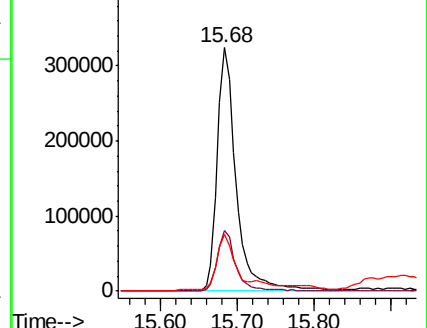
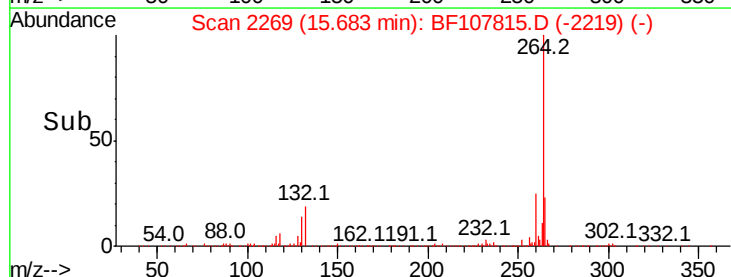
265 23.3 17.5 26.3

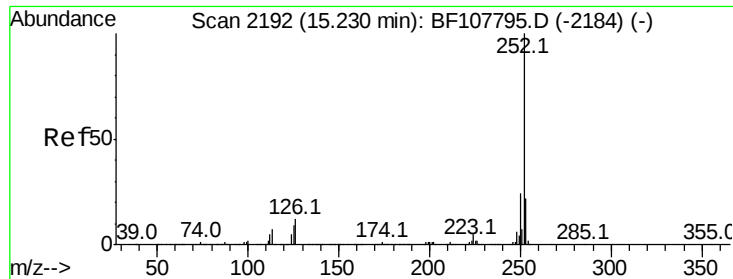


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 55.586 ng

RT: 15.23 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Instrument :

BNA_F

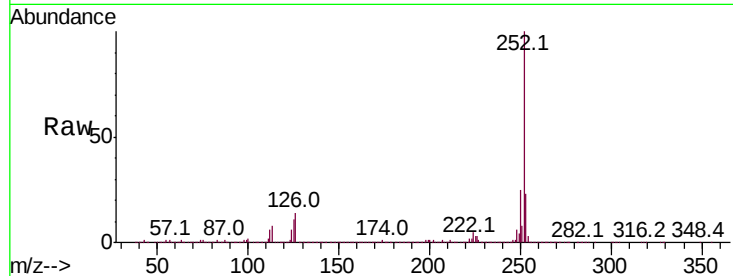
ClientSampleId :

SB-6(7-9)MSD

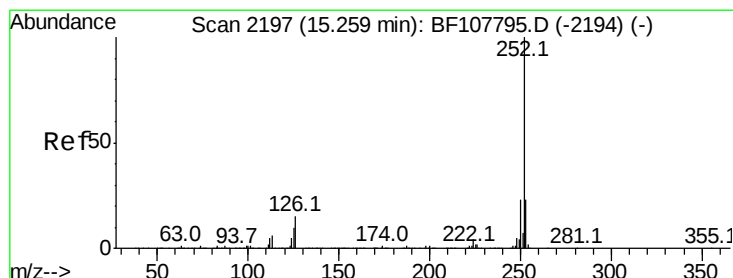
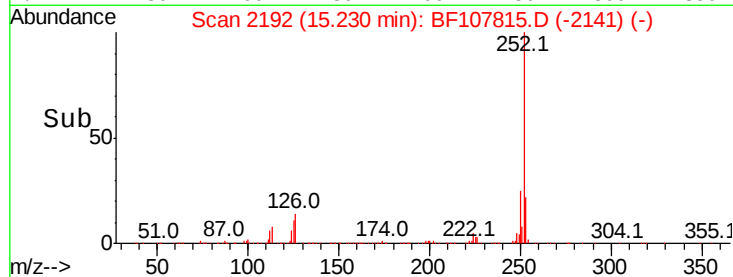
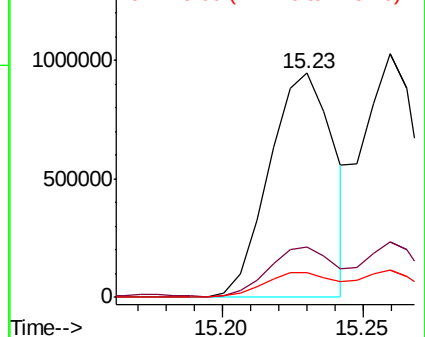
Tot	Ion:252	Resp: 1492794	
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	11.2	9.0	13.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 46.154 ng

RT: 15.26 min Scan# 2197

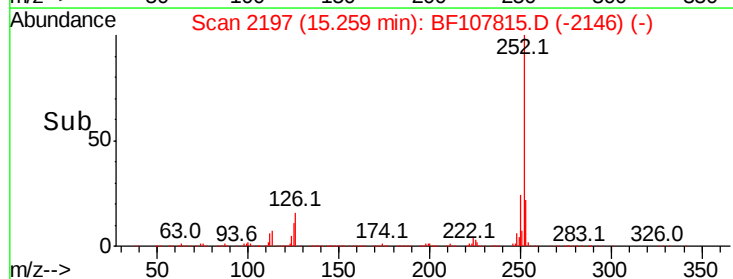
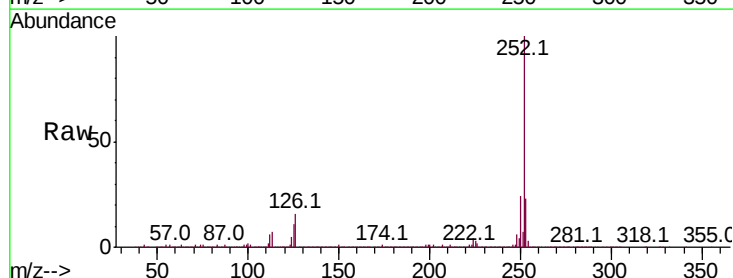
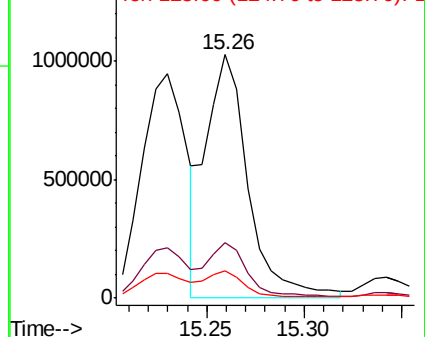
Delta R.T. 0.00 min

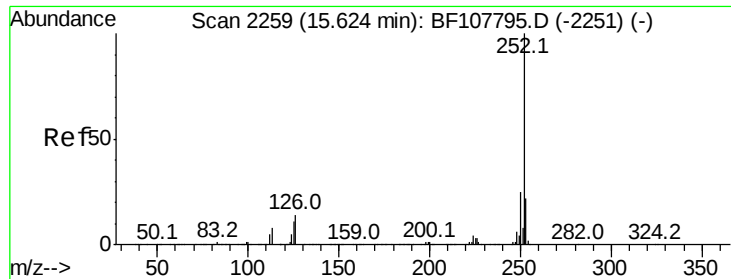
Lab File: BF107815.D

Acq: 30 Jul 2018 22:07

Tgt	Ion:252	Resp: 1521768	
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	11.3	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





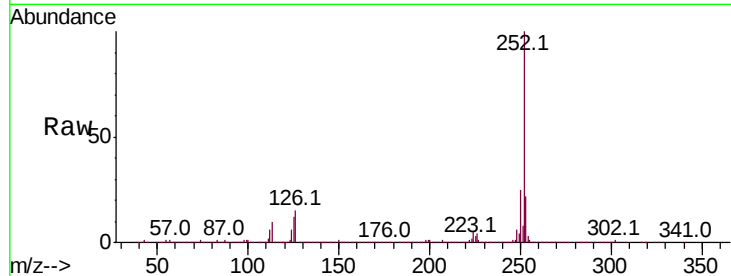
#89
Benzo(a)pyrene
Concen: 56.966 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)MSD

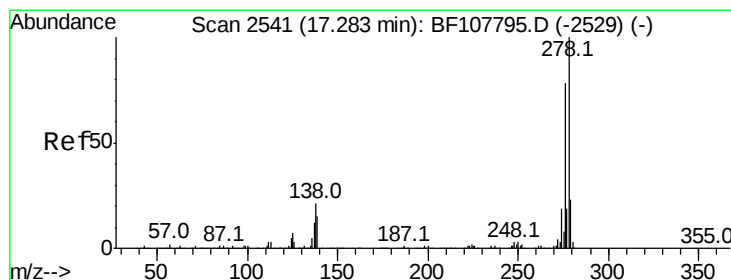
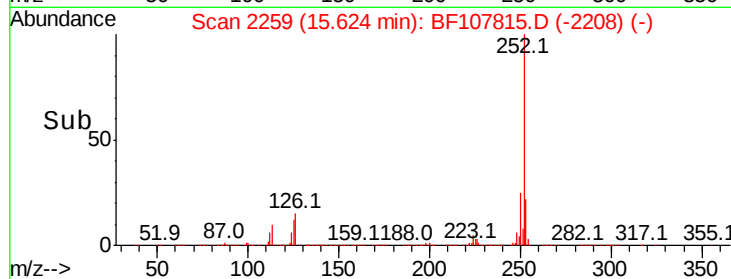
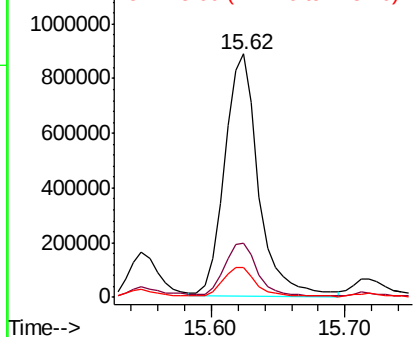
Tot Ion:252 Resp: 1579339
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 12.0 9.8 14.6

Manual Integrations
APPROVED

Sohil
7/31/2018 2:42:44 PM

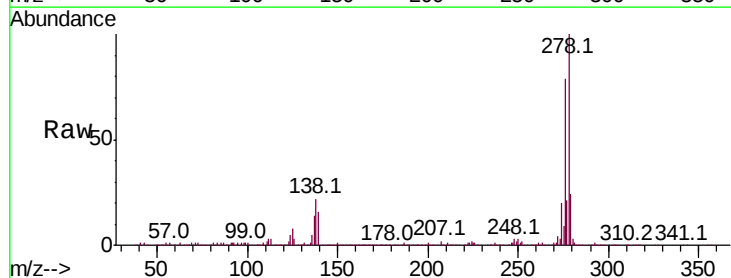


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

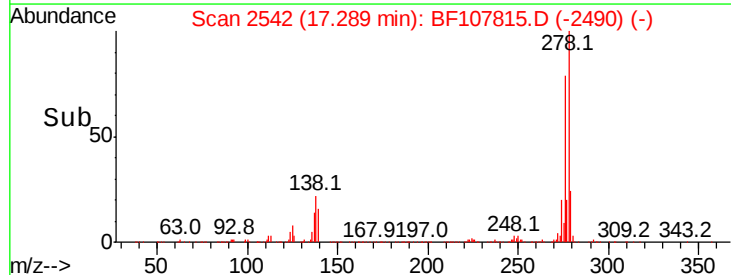
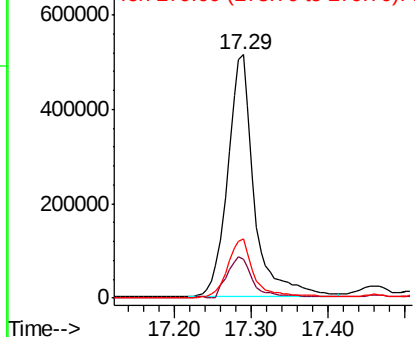


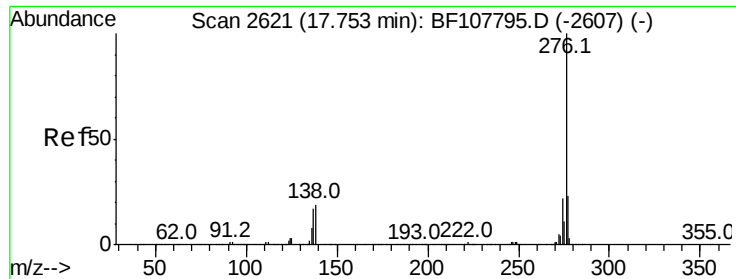
#90
Dibenzo(a,h)anthracene
Concen: 51.211 ng
RT: 17.29 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF107815.D
Acq: 30 Jul 2018 22:07

Tgt Ion:278 Resp: 1238449
Ion Ratio Lower Upper
278 100
139 16.1 15.9 23.9
279 24.4 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 54.703 ng
 RT: 17.75 min Scan# 2621
 Delta R.T. 0.00 min
 Lab File: BF107815.D
 Acq: 30 Jul 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	23.7	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/31/2018 2:42:44 PM

