

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
 Data File : BF109141.D
 Acq On : 19 Sep 2018 14:06
 Operator : JU/SJ
 Sample : PB112950BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

Manual Integrations
 APPROVED

Sohil
 9/20/2018 10:06:29 AM

Quant Time: Sep 19 14:30:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	158916	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	664836	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	323057	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	630222	20.00	ng	0.00
75) Chrysene-d12	13.87	240	456383	20.00	ng	0.00
86) Perylene-d12	15.26	264	384205	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	993072	103.79	ng	0.02
7) Phenol-d6	6.37	99	1283911	104.06	ng	0.00
23) Nitrobenzene-d5	7.28	82	812145	68.52	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	363434	103.66	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1495738	72.54	ng	0.00
78) Terphenyl-d14	12.81	244	1500001	77.90	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.50	88	152164	33.409	ng	93
3) Pyridine	3.20	79	401262	33.234	ng	90
4) n-Nitrosodimethylamine	3.14	42	203004	44.519	ng	# 99
6) Aniline	6.38	93	496029	31.105	ng	# 55
8) 2-Chlorophenol	6.51	128	441735	41.254	ng	95
9) Benzaldehyde	6.27	77	230709	29.279	ng	99
10) Phenol	6.38	94	535506	38.575	ng	# 70
11) bis(2-Chloroethyl)ether	6.46	93	426912	39.089	ng	97
12) 1,3-Dichlorobenzene	6.67	146	472881	38.617	ng	99
13) 1,4-Dichlorobenzene	6.74	146	474193	38.600	ng	100
14) 1,2-Dichlorobenzene	6.90	146	444123	38.996	ng	98
15) Benzyl Alcohol	6.87	79	383340	40.927	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.00	45	607615	38.830	ng	95
17) 2-Methylphenol	6.98	107	368229	42.151	ng	97
18) Hexachloroethane	7.24	117	177905	39.874	ng	99
19) n-Nitroso-di-n-propylamine	7.14	70	321264	39.394	ng	97
20) 3+4-Methylphenols	7.14	107	429986	40.869	ng	# 66
22) Acetophenone	7.14	105	596594	39.514	ng	# 91
24) Nitrobenzene	7.31	77	479861	39.265	ng	97
25) Isophorone	7.55	82	889210	43.641	ng	97
26) 2-Nitrophenol	7.62	139	233822	40.974	ng	97
27) 2,4-Dimethylphenol	7.67	122	407016	45.470	ng	100
28) bis(2-Chloroethoxy)methane	7.76	93	546199	39.835	ng	99
29) 2,4-Dichlorophenol	7.87	162	386126	40.479	ng	99
30) 1,2,4-Trichlorobenzene	7.95	180	390764	37.897	ng	98
31) Naphthalene	8.02	128	1250755	40.533	ng	99
32) Benzoic acid	7.80	122	235863	40.325	ng	97
33) 4-Chloroaniline	8.07	127	374640	27.306	ng	99
34) Hexachlorobutadiene	8.15	225	238666	37.914	ng	99
35) Caprolactam	8.45	113	124057m	39.891	ng	
36) 4-Chloro-3-methylphenol	8.57	107	405574	40.389	ng	99
37) 2-Methylnaphthalene	8.72	142	855523	42.532	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.89	216	372226	36.608	ng	98
40) Hexachlorocyclopentadiene	8.88	237	399627	78.007	ng	99

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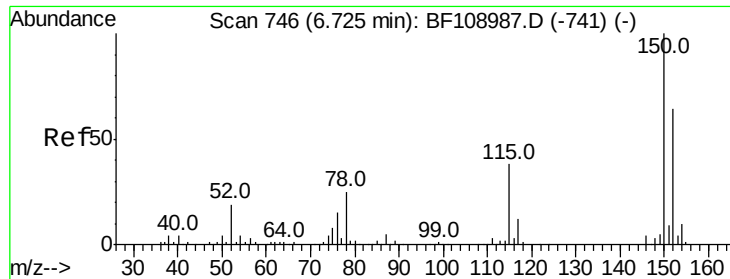
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.00	196	273241	39.981	ng	100
43) 2,4,5-Trichlorophenol	9.04	196	289446	40.528	ng	99
45) 1,1'-Biphenyl	9.18	154	1013275	39.205	ng	98
46) 2-Chloronaphthalene	9.21	162	779660	37.667	ng	97
47) 2-Nitroaniline	9.30	65	255329	40.125	ng	93
48) Acenaphthylene	9.62	152	1263054	40.472	ng	99
49) Dimethylphthalate	9.49	163	922315	39.944	ng	99
50) 2,6-Dinitrotoluene	9.54	165	207674	40.557	ng	98
51) Acenaphthene	9.79	154	749002	38.543	ng	98
52) 3-Nitroaniline	9.71	138	184455	30.592	ng	97
53) 2,4-Dinitrophenol	9.82	184	170297	86.294	ng	# 21
54) Dibenzofuran	9.96	168	1089929	38.812	ng	96
55) 4-Nitrophenol	9.88	139	348356	78.415	ng	96
56) 2,4-Dinitrotoluene	9.95	165	280753	41.924	ng	# 97
57) Fluorene	10.30	166	811664	43.372	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.08	232	250057	42.285	ng	# 88
59) Diethylphthalate	10.18	149	909918	39.024	ng	97
60) 4-Chlorophenyl-phenylether	10.30	204	384549	38.375	ng	98
61) 4-Nitroaniline	10.32	138	223838	39.074	ng	100
62) Azobenzene	10.45	77	922247	38.640	ng	97
64) 4,6-Dinitro-2-methylphenol	10.35	198	112061	37.164	ng	87
65) n-Nitrosodiphenylamine	10.41	169	791852	38.411	ng	96
66) 4-Bromophenyl-phenylether	10.78	248	272311	38.327	ng	# 88
67) Hexachlorobenzene	10.85	284	290641	38.244	ng	# 88
68) Atrazine	10.94	200	257894	39.080	ng	98
69) Pentachlorophenol	11.04	266	319981	65.809	ng	98
70) Phenanthrene	11.26	178	1226202	39.691	ng	99
71) Anthracene	11.31	178	1275387	40.726	ng	100
72) Carbazole	11.47	167	1151819	37.155	ng	100
73) Di-n-butylphthalate	11.80	149	1396001	38.469	ng	100
74) Fluoranthene	12.44	202	1311045	40.198	ng	97
76) Benzdine	12.56	184	479941	29.708	ng	98
77) Pyrene	12.67	202	1321765	38.991	ng	99
79) Butylbenzylphthalate	13.29	149	592723	39.147	ng	97
80) Benzo(a)anthracene	13.85	228	1097468	39.719	ng	100
81) 3,3'-Dichlorobenzidine	13.81	252	348330	31.241	ng	99
82) Chrysene	13.89	228	1061133	38.384	ng	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	687003	37.474	ng	99
84) Di-n-octyl phthalate	14.46	149	1250552	40.221	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	823323	37.252	ng	# 93
87) Benzo(b)fluoranthene	14.87	252	1030903	48.502	ng	98
88) Benzo(k)fluoranthene	14.89	252	843180	42.472	ng	98
89) Benzo(a)pyrene	15.21	252	855213	45.307	ng	99
90) Dibenzo(a,h)anthracene	16.64	278	691042	43.576	ng	# 95
91) Benzo(g,h,i)perylene	17.03	276	707613	44.631	ng	# 92

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



#1

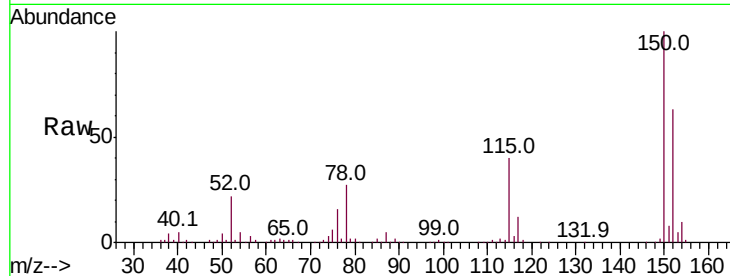
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	63.2	50.1	75.1

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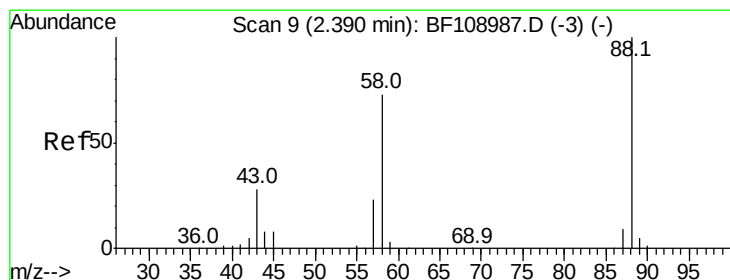
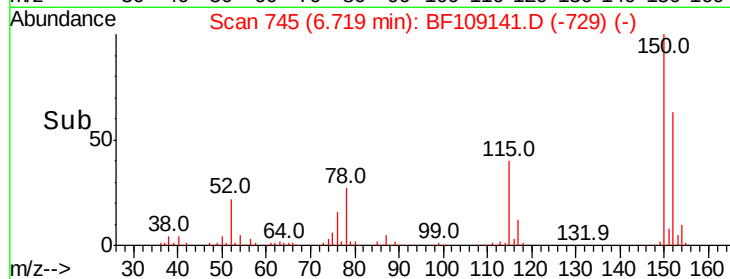
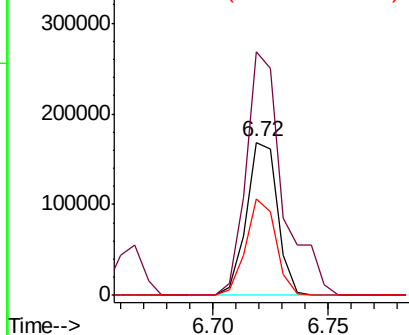


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

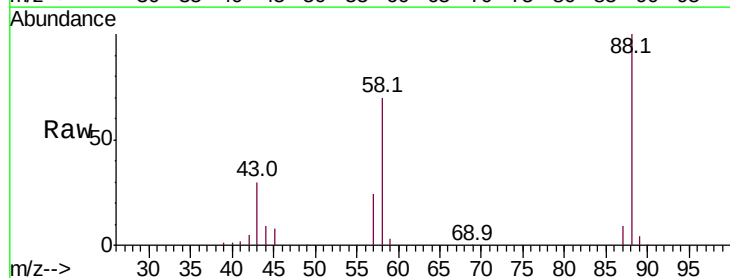
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 33.409 ng
RT: 2.50 min Scan# 28
Delta R.T. 0.11 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.9	62.6	93.8
43	28.7	24.6	37.0

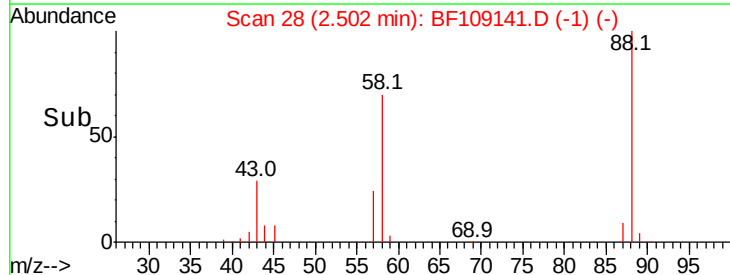
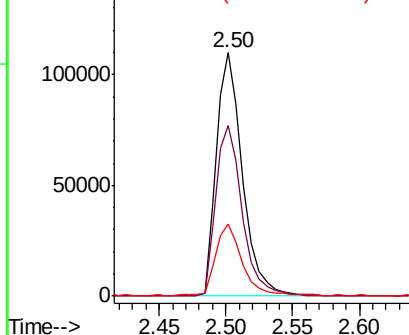


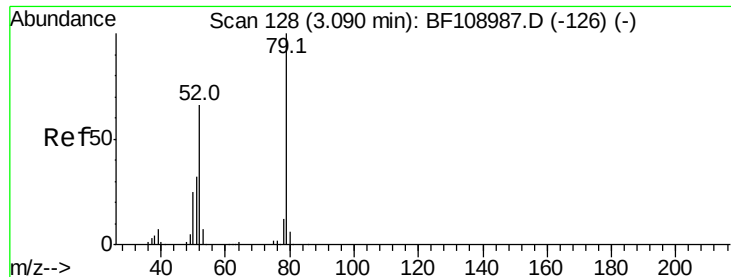
Abundance

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: 33.234 ng

RT: 3.20 min Scan# 147

Delta R.T. 0.11 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

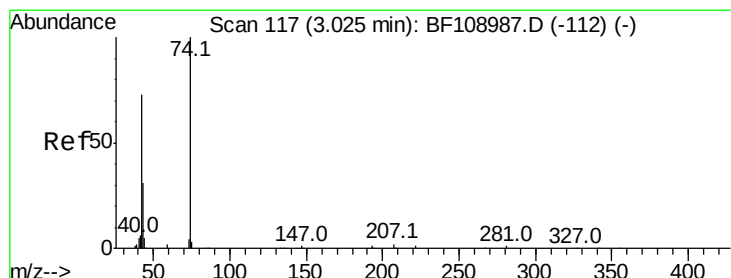
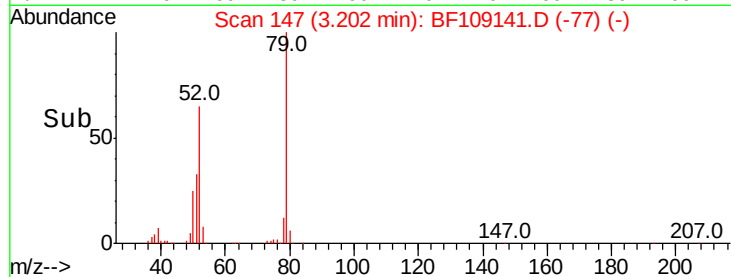
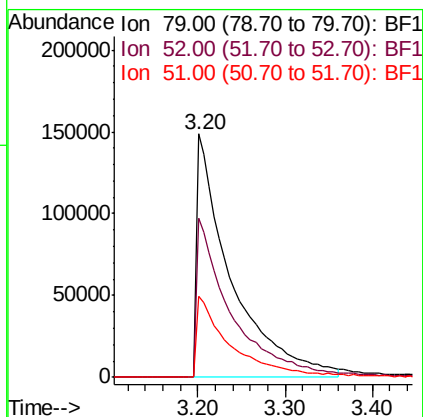
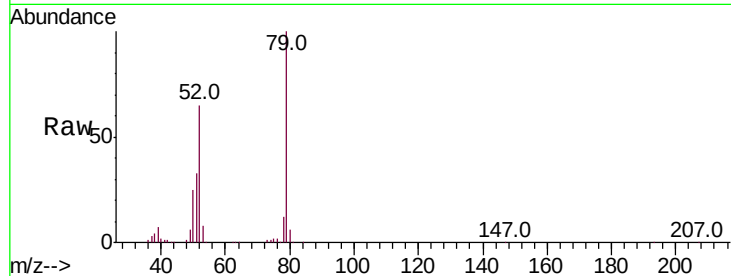
ClientSampleId :

PB112950BS

Tot Ion:	79	Resp:	401262
Ion Ratio	Lower	Upper	
79	100		
52	65.4	59.8	89.6
51	33.2	29.8	44.8

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#4

n-Nitrosodimethylamine

Concen: 44.519 ng

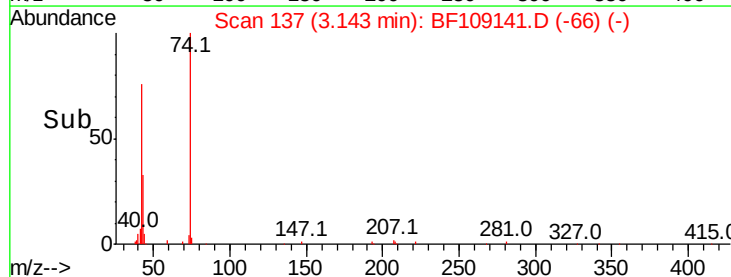
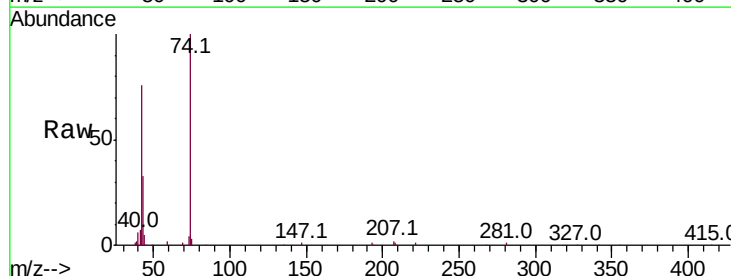
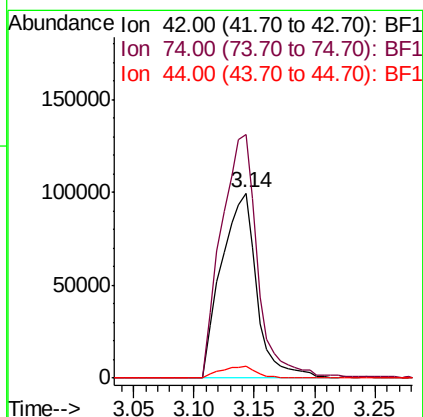
RT: 3.14 min Scan# 137

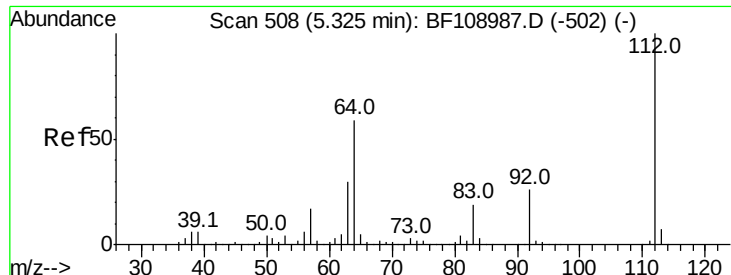
Delta R.T. 0.12 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Tgt Ion:	42	Resp:	203004
Ion Ratio	Lower	Upper	
42	100		
74	131.5	104.9	157.3
44	6.5	6.9	10.3#





#5

2-Fluorophenol

Concen: 103.789 ng

RT: 5.35 min Scan# 512

Delta R.T. 0.02 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

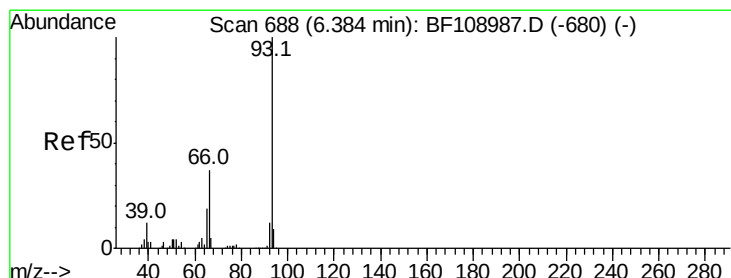
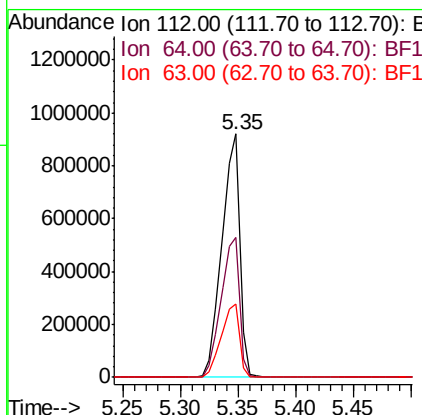
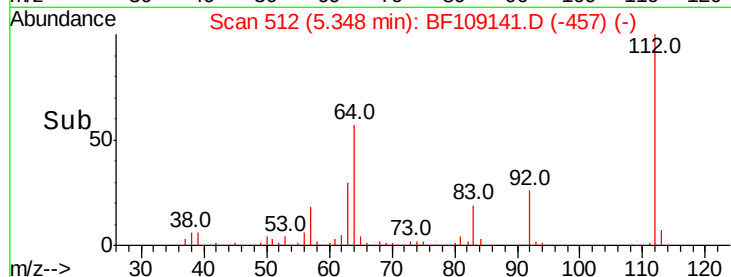
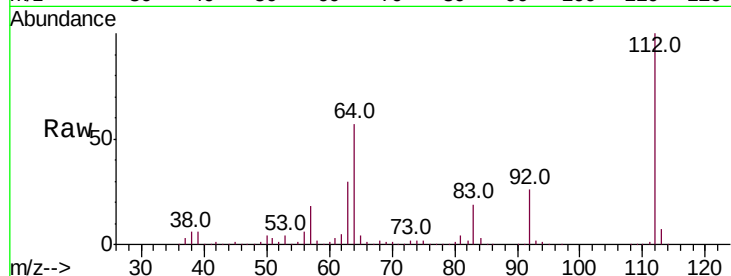
ClientSampleId :

PB112950BS

Tot Ion:	112	Resp:	993072
Ion Ratio	Lower	Upper	
112	100		
64	57.3	47.9	71.9
63	30.0	23.7	35.5

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#6

Aniline

Concen: 31.105 ng

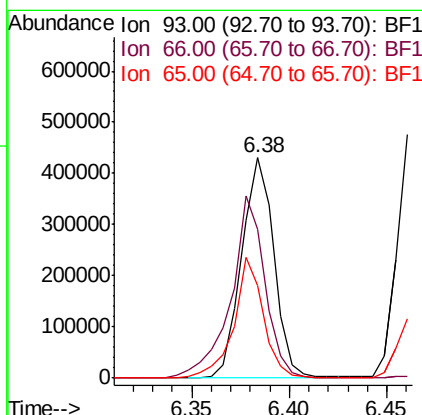
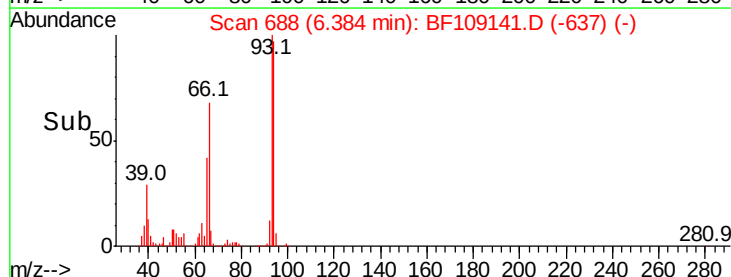
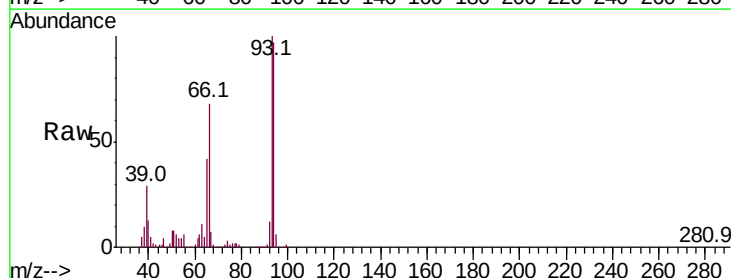
RT: 6.38 min Scan# 688

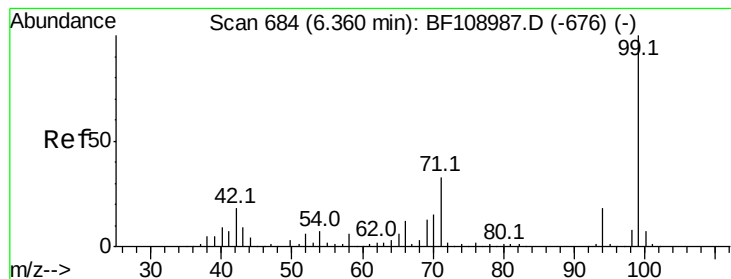
Delta R.T. 0.00 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Tgt Ion:	93	Resp:	496029
Ion Ratio	Lower	Upper	
93	100		
66	67.5	32.2	48.2#
65	41.9	16.4	24.6#





#7

Phenol-d6

Concen: 104.064 ng

RT: 6.37 min Scan# 685

Delta R.T. 0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

ClientSampleId :

PB112950BS

Tot Ion: 99 Resp: 1283911

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

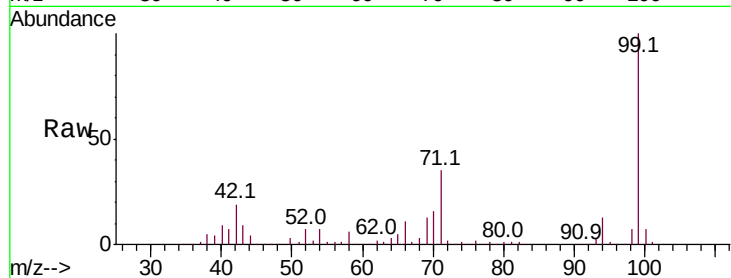
71 35.3 25.4 38.0

Manual Integrations

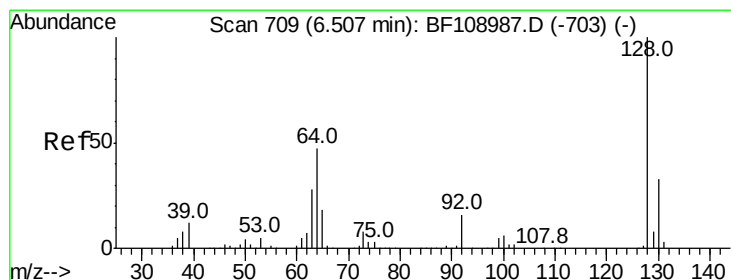
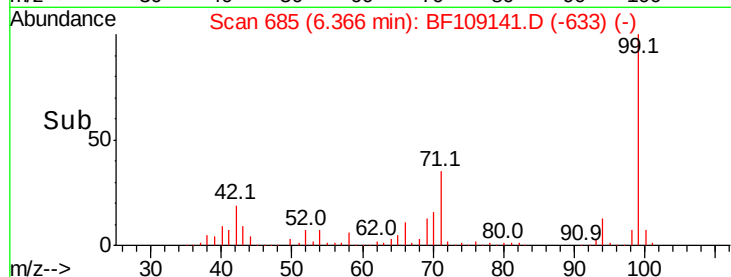
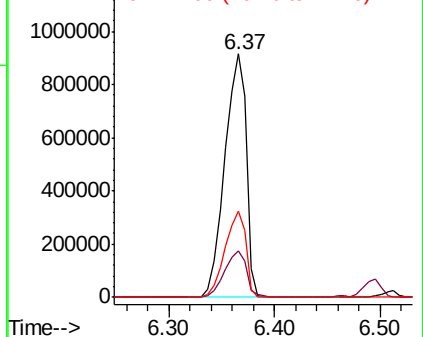
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.254 ng

RT: 6.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

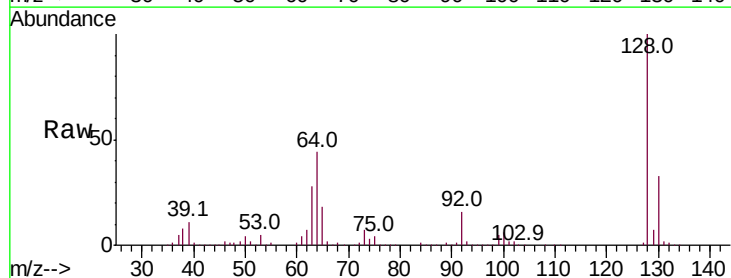
Tgt Ion: 128 Resp: 441735

Ion Ratio Lower Upper

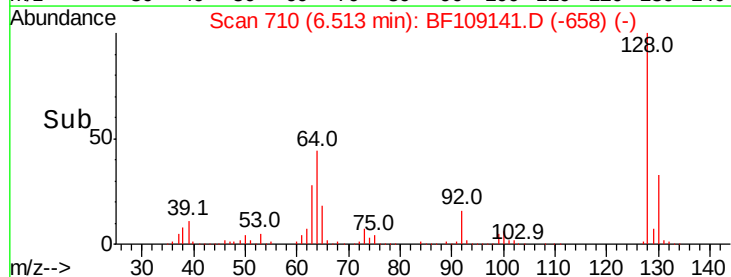
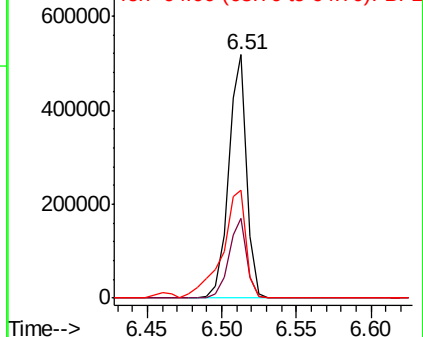
128 100

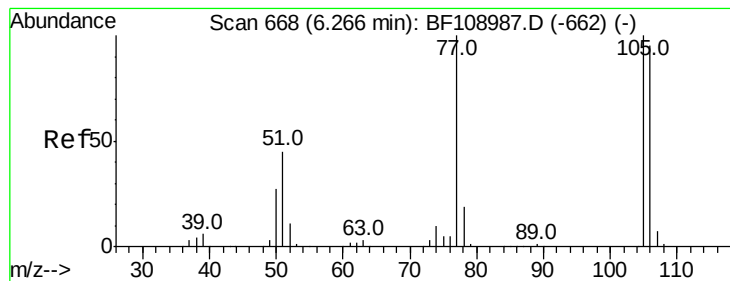
130 32.7 13.0 53.0

64 44.2 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: 29.279 ng

RT: 6.27 min Scan# 668

Delta R.T. 0.00 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

ClientSampleId :

PB112950BS

Tot Ion: 77 Resp: 230709

Ion Ratio Lower Upper

77 100

105 101.7 81.1 121.1

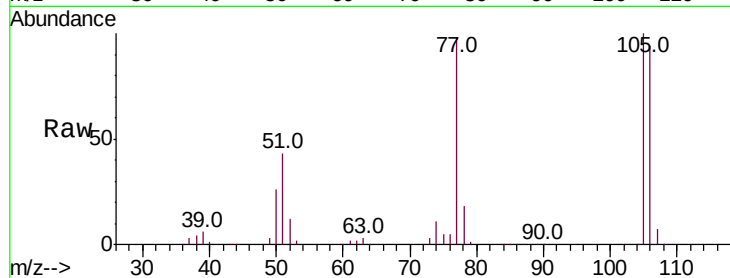
106 95.4 74.5 114.5

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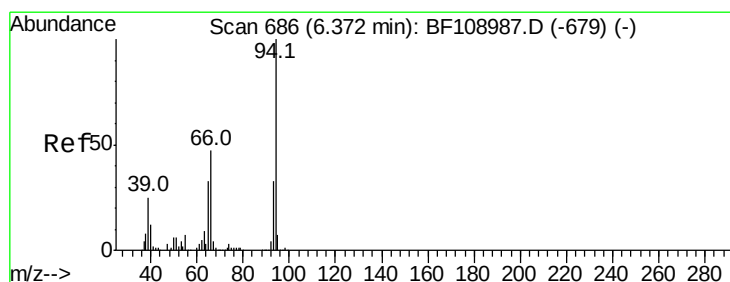
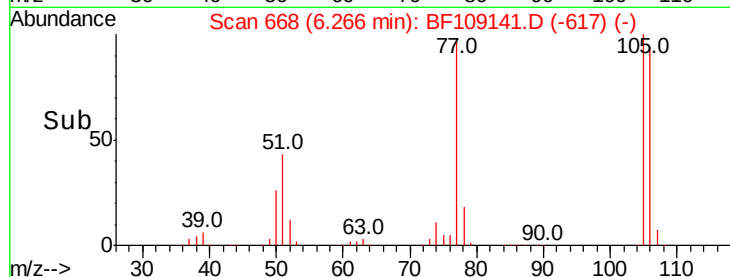
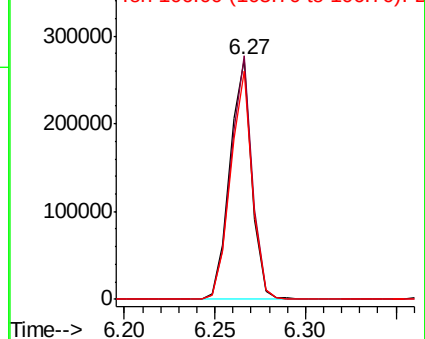
9/20/2018 10:06:29 AM



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 38.575 ng

RT: 6.38 min Scan# 687

Delta R.T. 0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

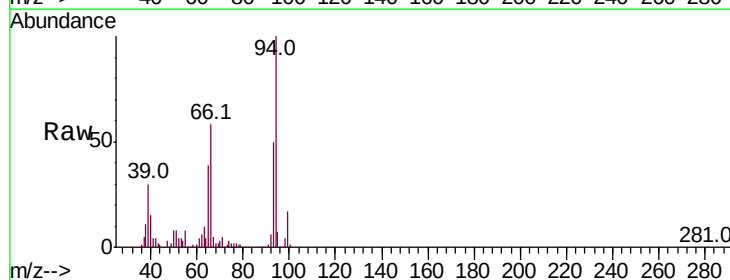
Tgt Ion: 94 Resp: 535506

Ion Ratio Lower Upper

94 100

65 38.5 7.9 47.9

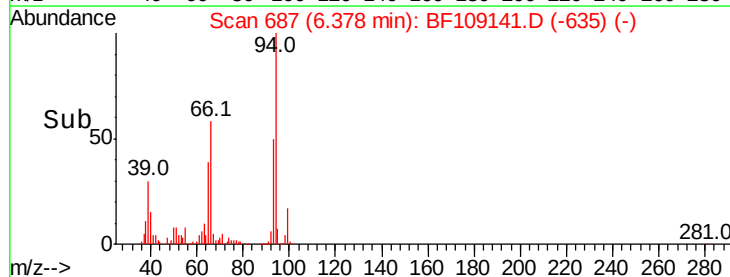
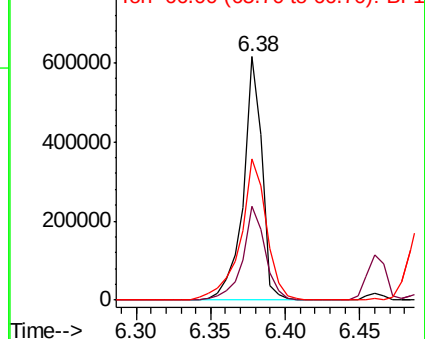
66 58.0 16.2 56.2#

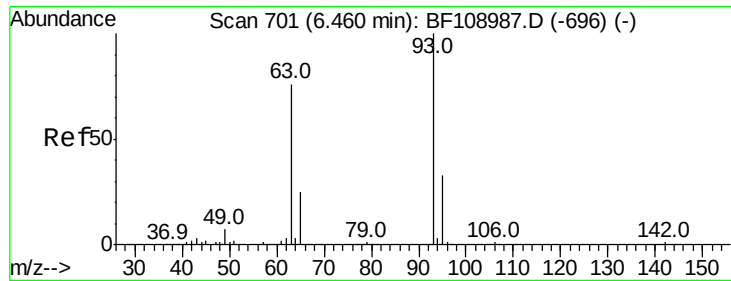


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





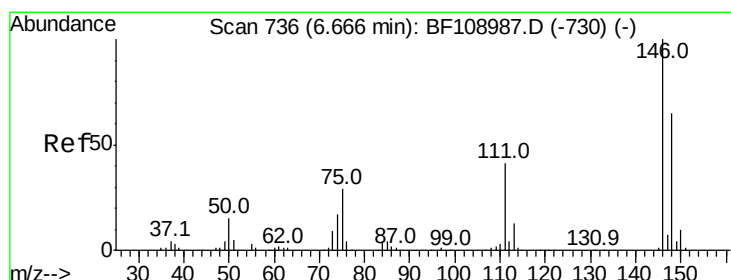
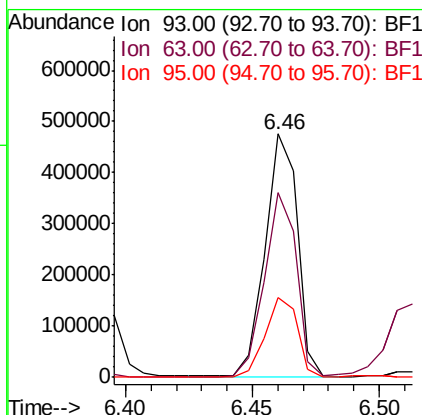
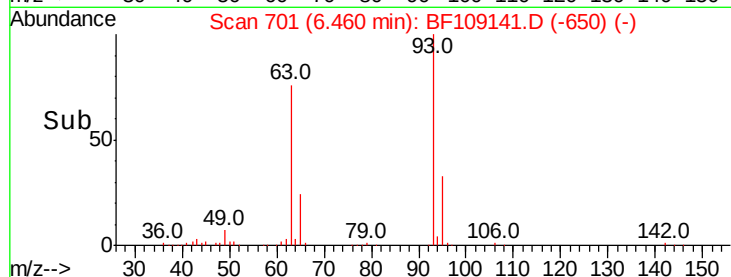
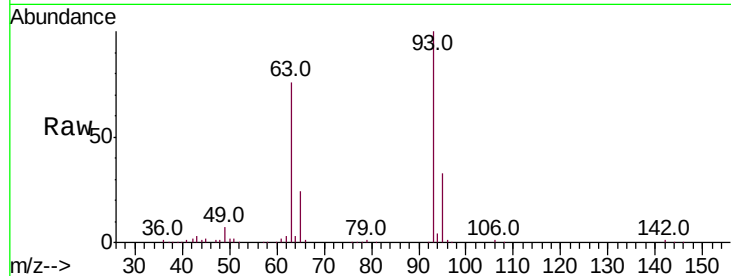
#11
bis(2-Chloroethyl)ether
Concen: 39.089 ng
RT: 6.46 min Scan# 701
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.9	58.6	98.6
95	32.9	11.8	51.8

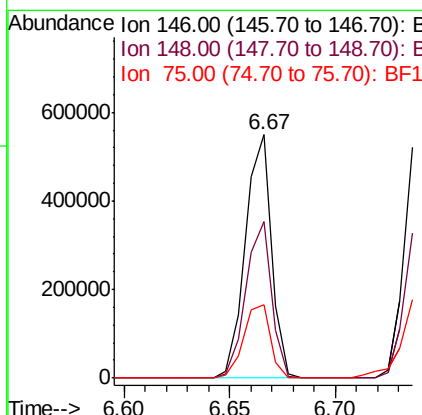
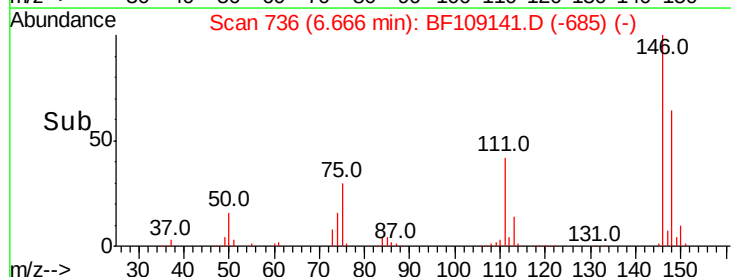
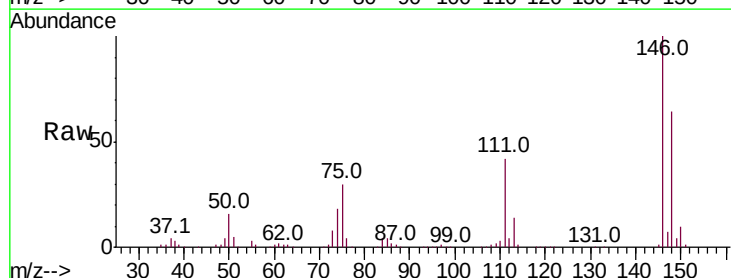
Manual Integrations
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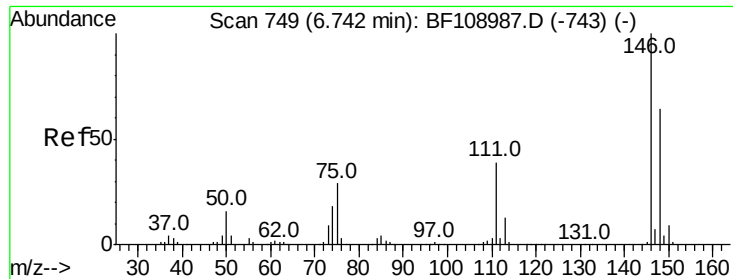
Sohil
9/20/2018 10:06:29 AM



#12
1,3-Dichlorobenzene
Concen: 38.617 ng
RT: 6.67 min Scan# 736
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
75	30.0	24.2	36.4





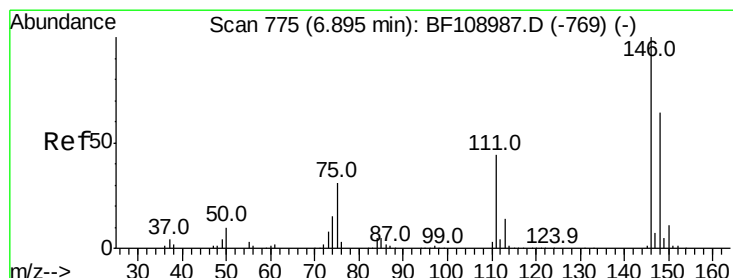
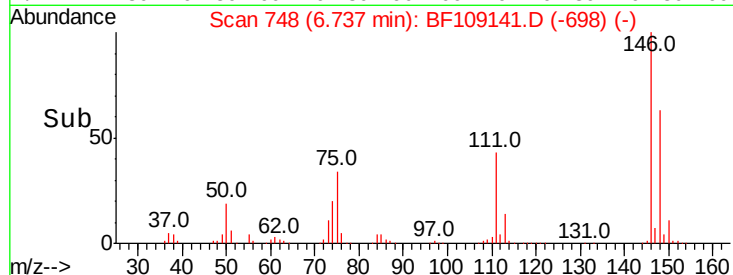
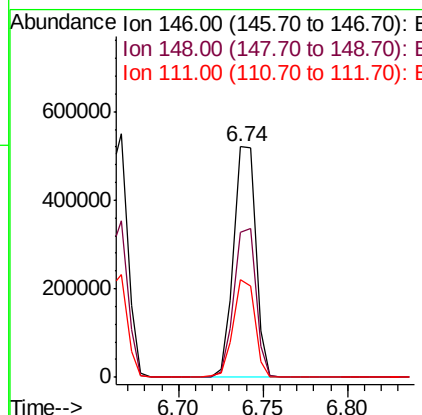
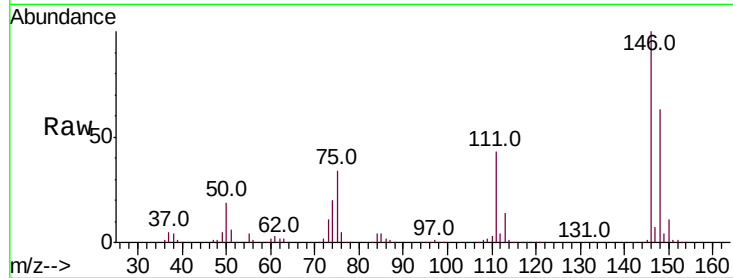
#13
 1,4-Dichlorobenzene
 Concen: 38.600 ng
 RT: 6.74 min Scan# 748
 Delta R.T. -0.01 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.8	76.2
111	42.6	34.2	51.2

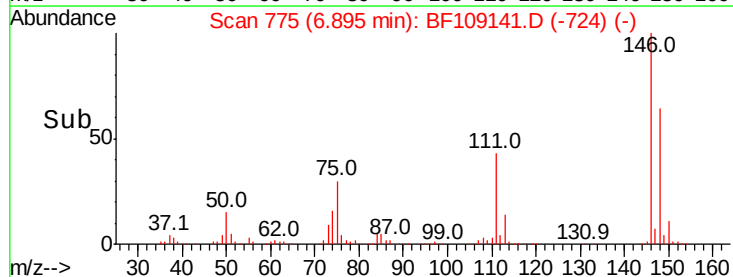
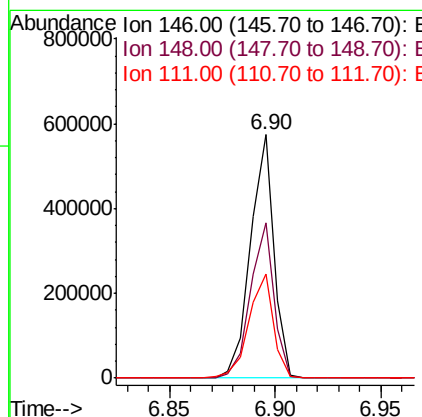
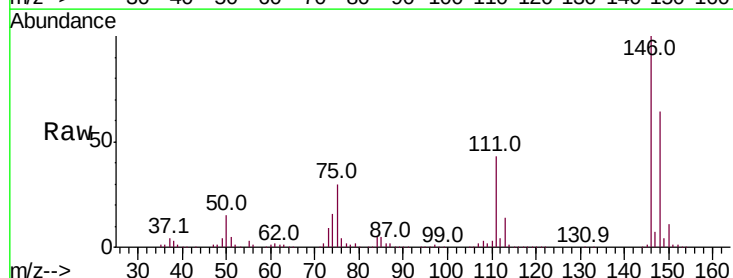
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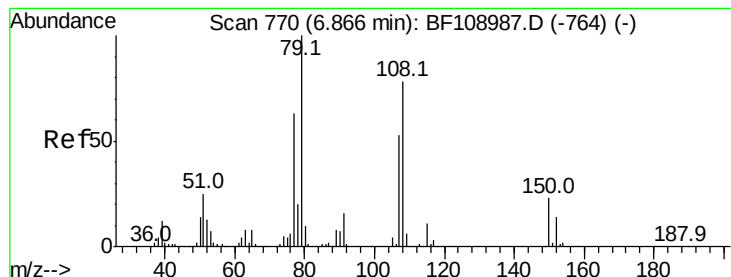
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#14
 1,2-Dichlorobenzene
 Concen: 38.996 ng
 RT: 6.90 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	75.8
111	42.7	36.0	54.0





#15

Benzyl Alcohol

Concen: 40.927 ng

RT: 6.87 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

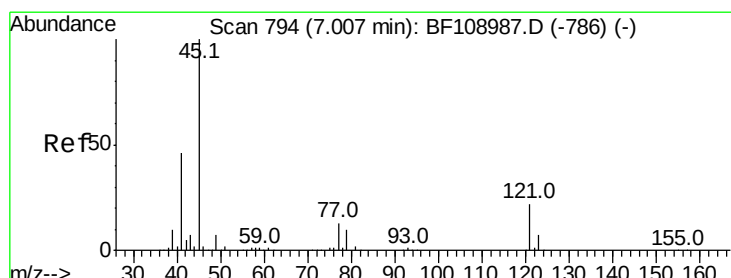
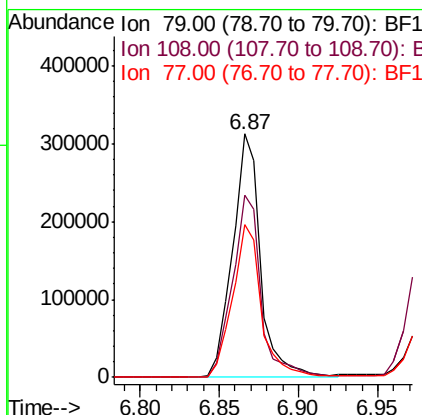
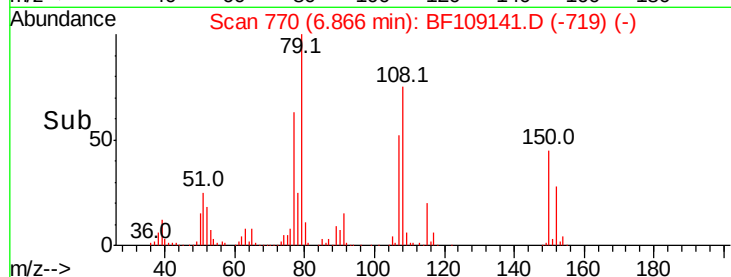
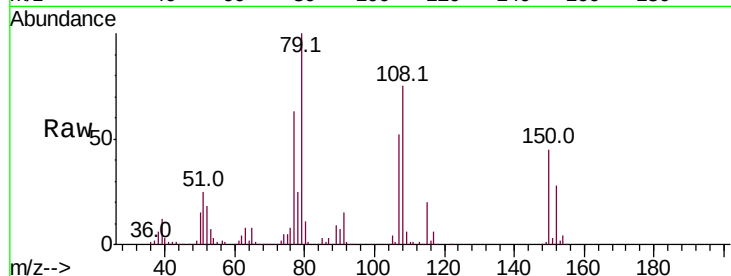
ClientSampleId :

PB112950BS

Tot Ion:	79	Resp:	383340
Ion Ratio	Lower	Upper	
79	100		
108	74.8	65.1	97.7
77	62.8	50.6	75.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 38.830 ng

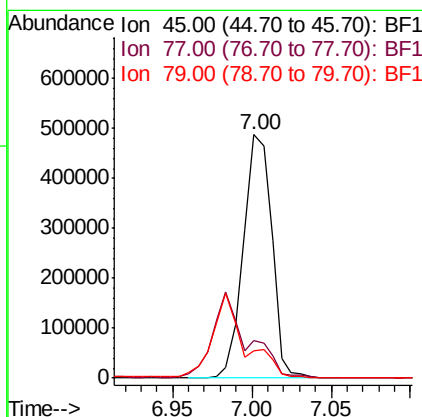
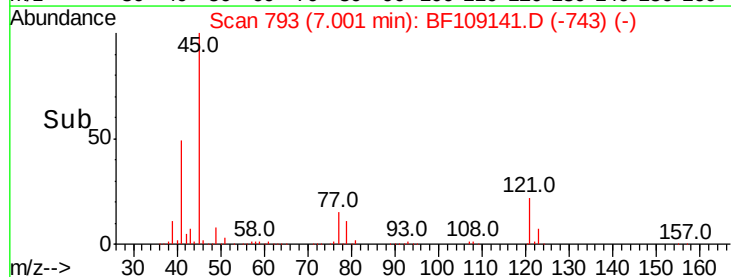
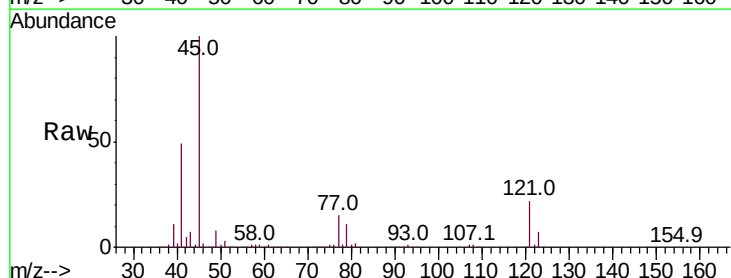
RT: 7.00 min Scan# 793

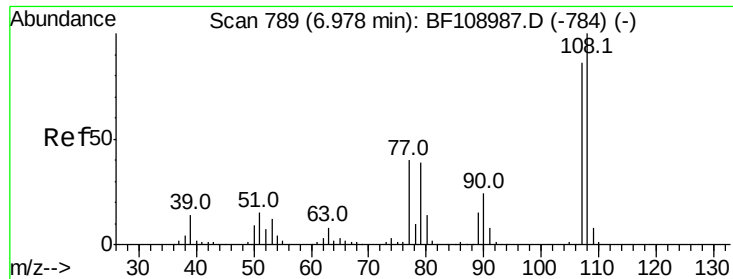
Delta R.T. -0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Tgt Ion:	45	Resp:	607615
Ion Ratio	Lower	Upper	
45	100		
77	15.2	0.0	32.9
79	11.4	0.0	29.6





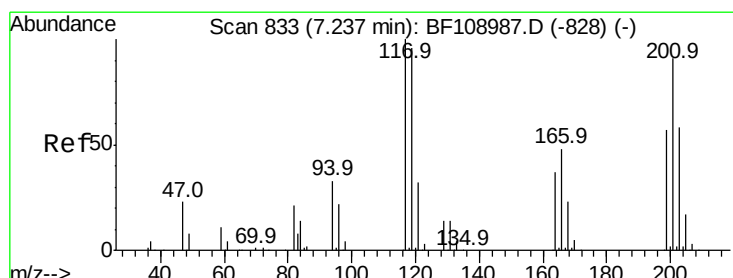
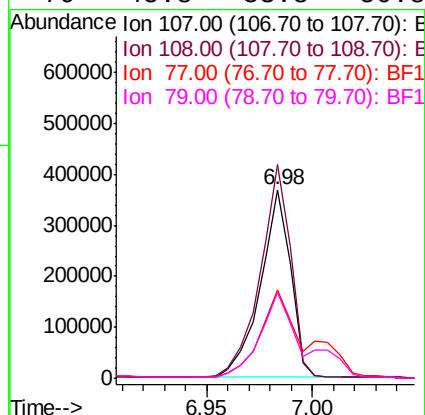
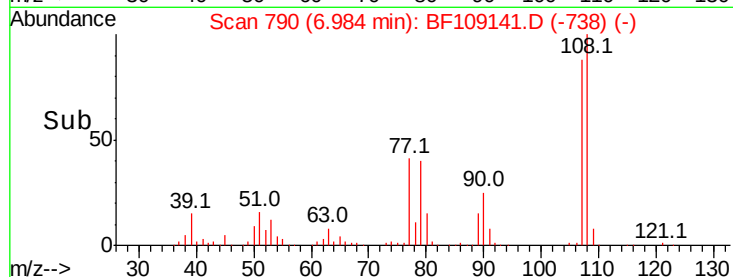
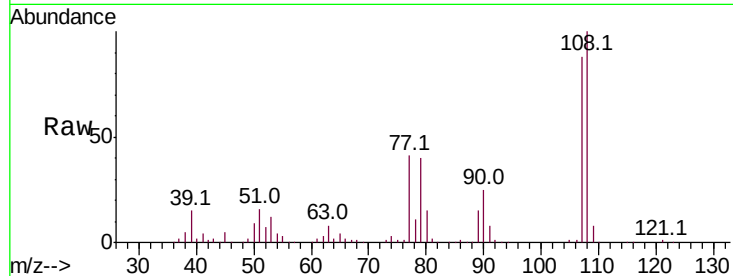
#17
2-Methylphenol
Concen: 42.151 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.5	91.7	137.5	
77	47.0	33.8	50.8	
79	45.8	33.8	50.8	

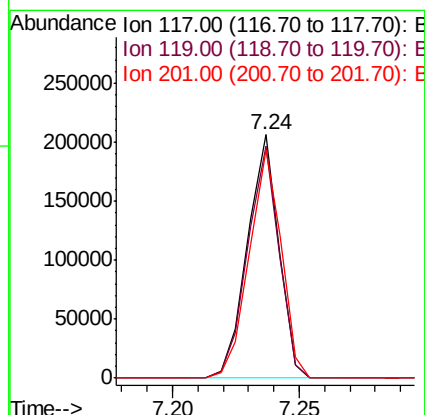
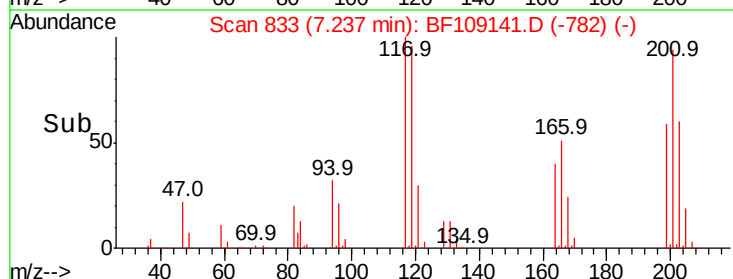
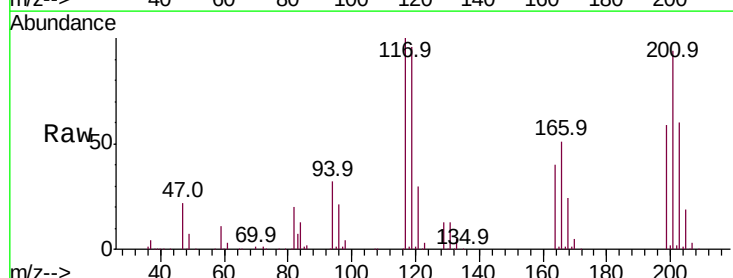
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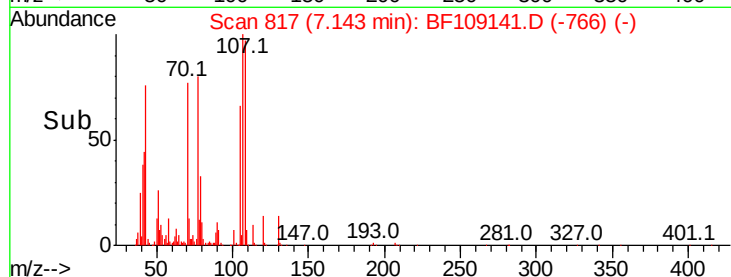
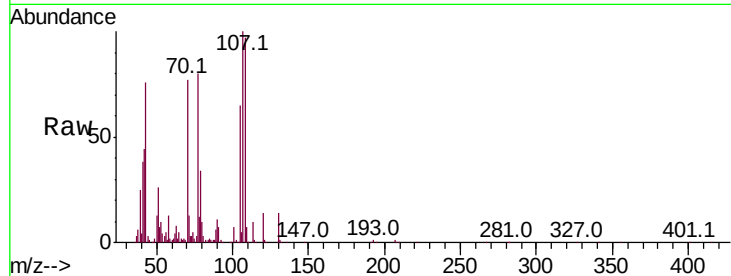
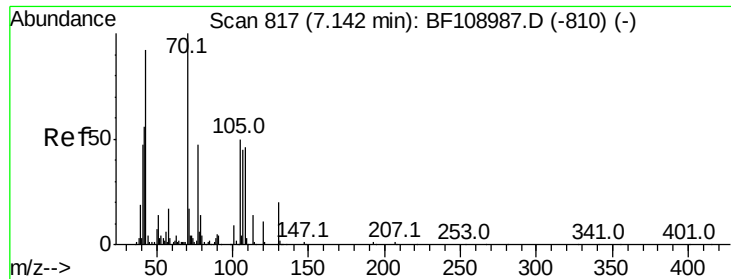
Sohil
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#18
Hexachloroethane
Concen: 39.874 ng
RT: 7.24 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	75.8	113.8	
201	93.9	75.7	113.5	





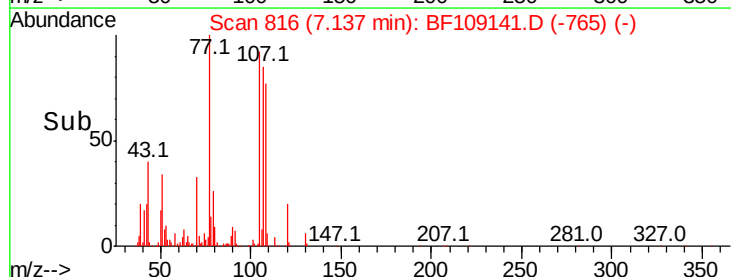
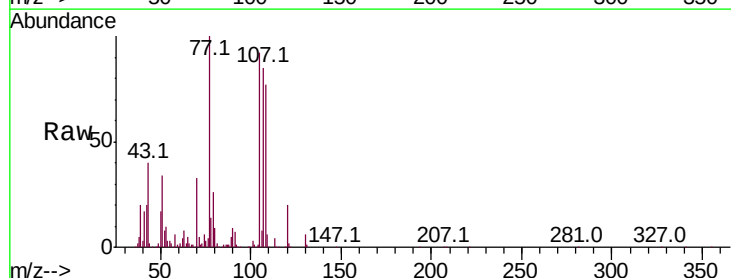
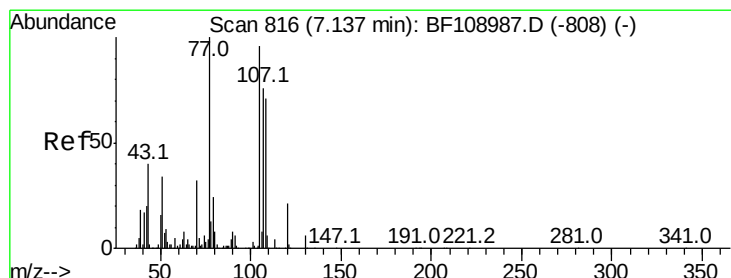
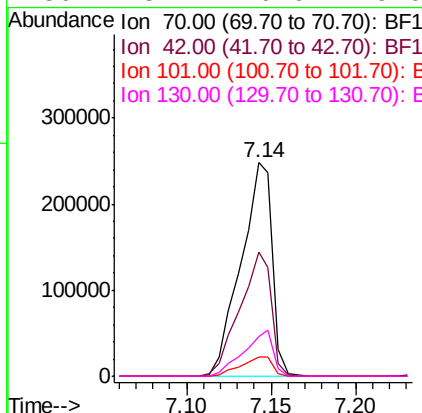
#19
n-Nitroso-di-n-propylamine
Concen: 39.394 ng
RT: 7.14 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Manual Integrations
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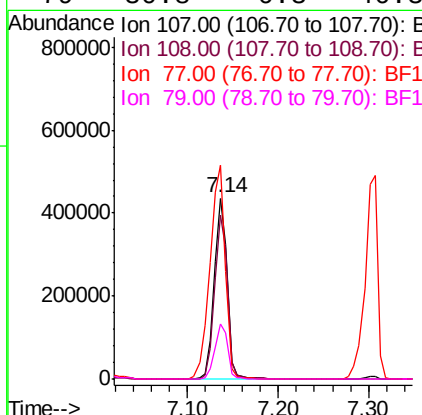
Sohil
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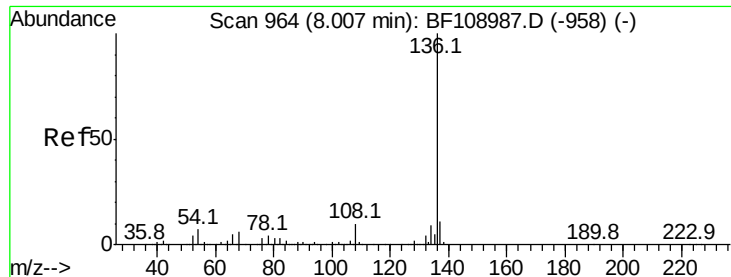
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	57.9	47.5	71.3	
101	9.2	7.4	11.2	
130	18.4	16.6	25.0	



#20
3+4-Methylphenols
Concen: 40.869 ng
RT: 7.14 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.4	68.2	108.2	
77	118.0	26.7	66.7#	
79	30.8	6.3	46.3	





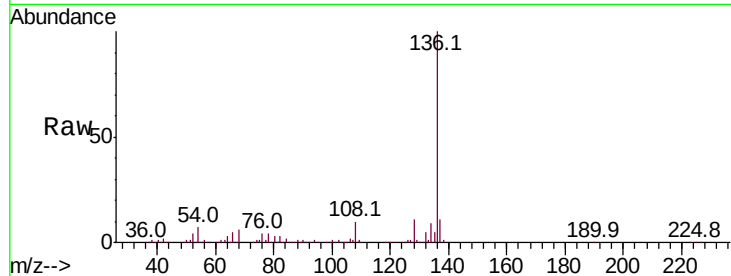
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 964
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	6.7	6.6	9.8	
68	5.6	5.0	7.4	

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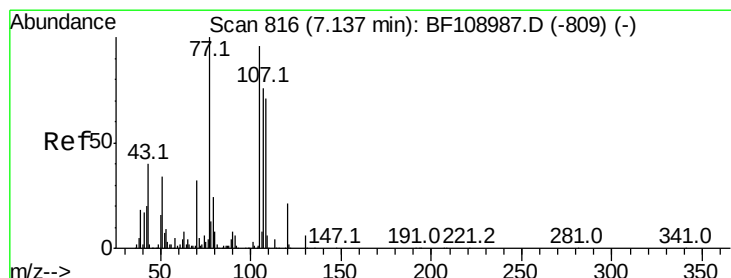
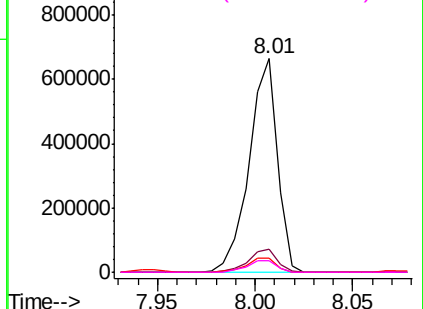
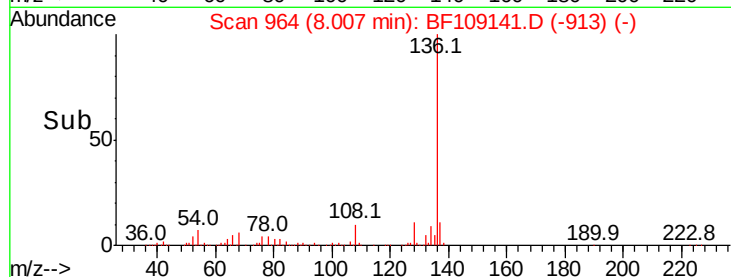
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

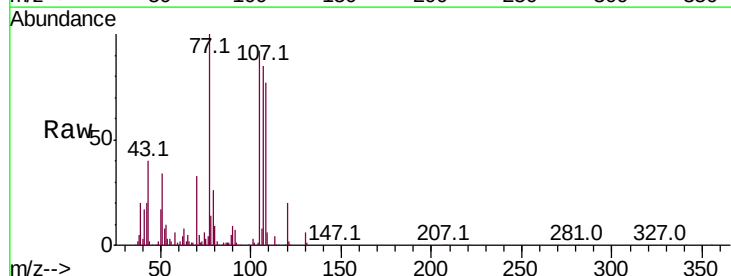
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 39.514 ng
RT: 7.14 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.0	4.4	6.6	
51	36.8	22.3	33.5	
120	21.4	16.9	25.3	



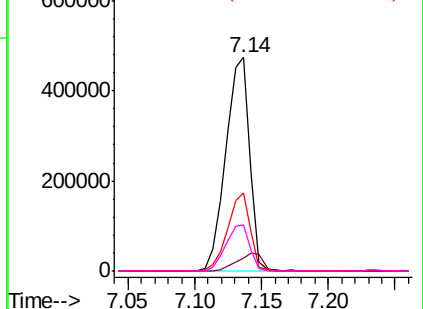
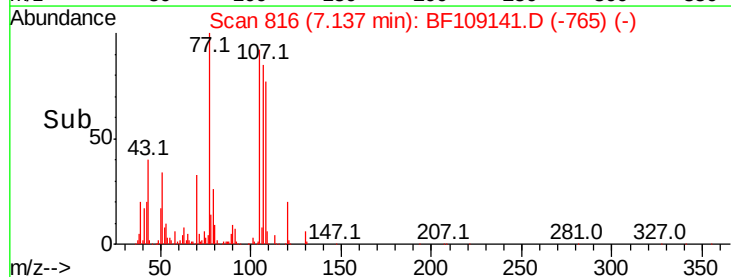
Abundance

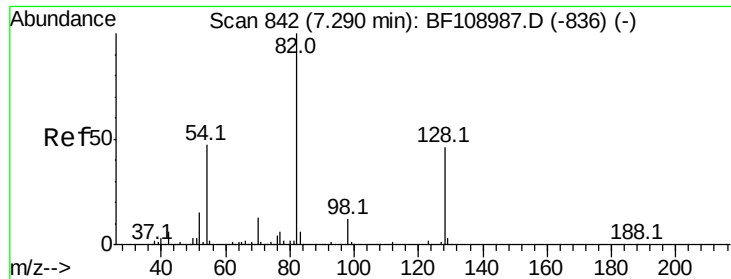
Ion 105.00 (104.70 to 105.70): E

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





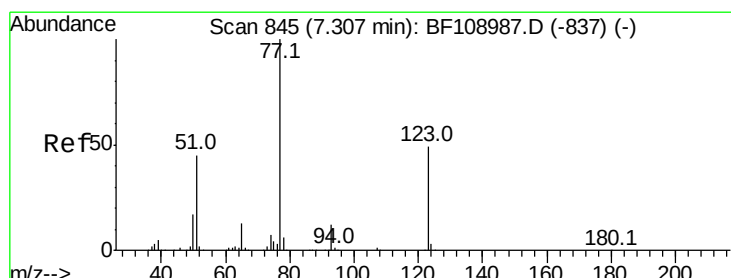
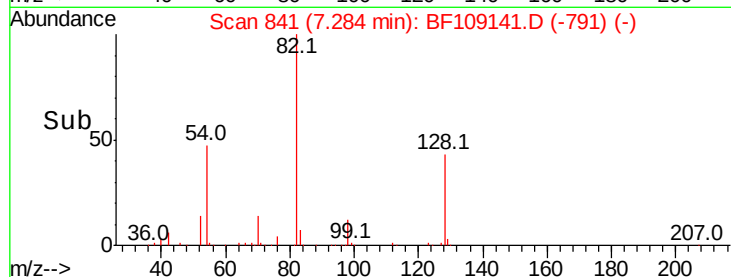
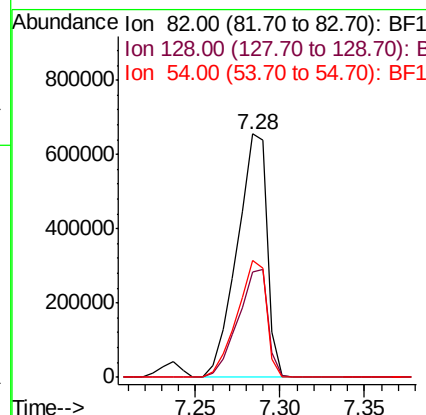
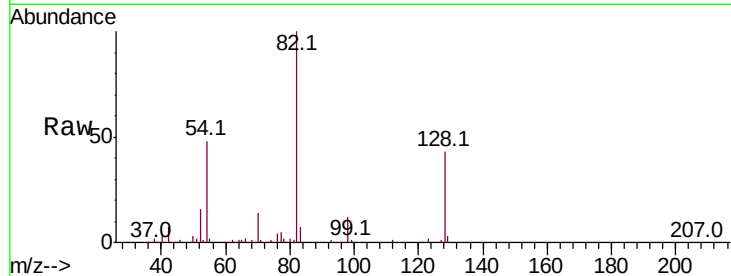
#23
 Nitrobenzene-d5
 Concen: 68.516 ng
 RT: 7.28 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampled :
 PB112950BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	47.9	41.4	62.2

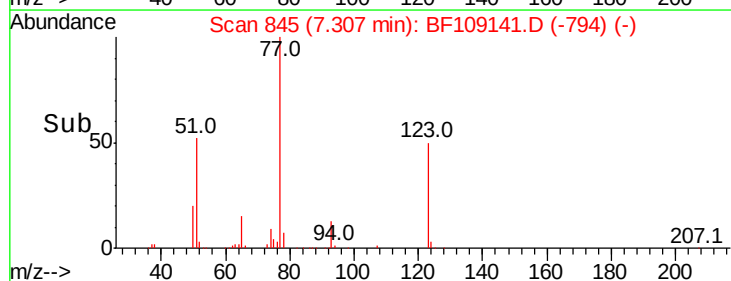
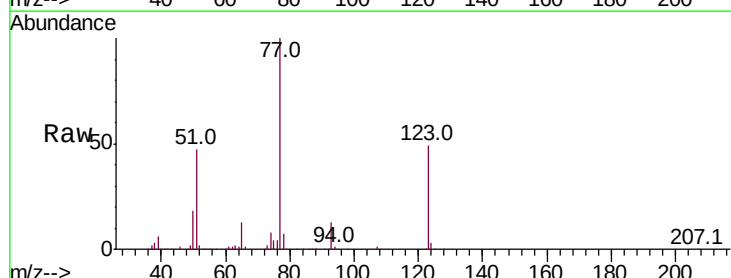
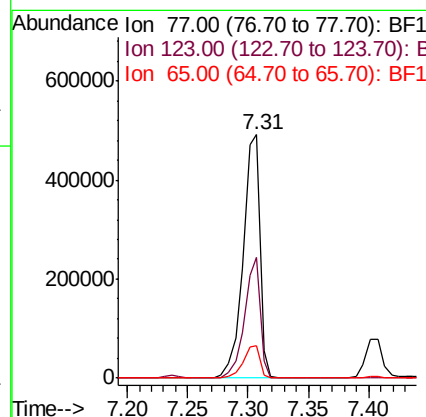
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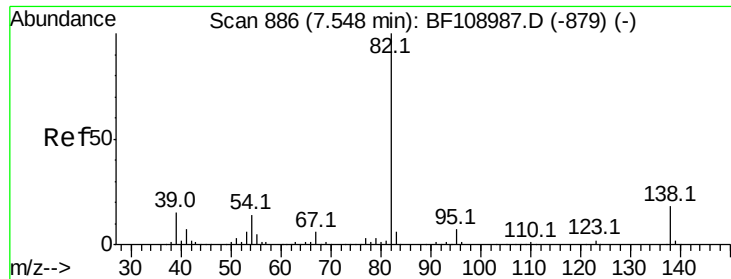
Sohil
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#24
 Nitrobenzene
 Concen: 39.265 ng
 RT: 7.31 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.4	37.9	56.9
65	13.3	11.0	16.4





#25

Isophorone

Concen: 43.641 ng

RT: 7.55 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

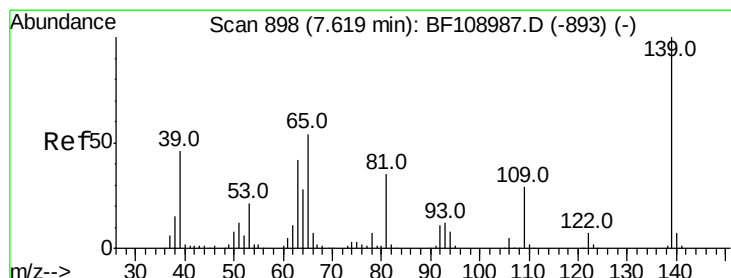
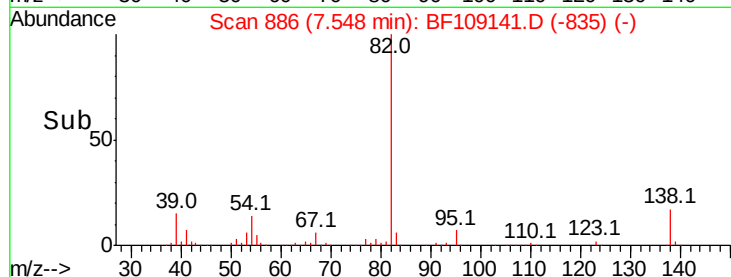
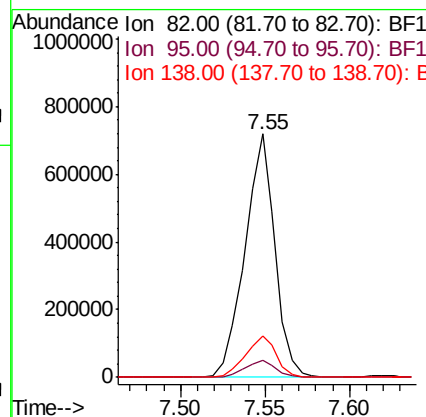
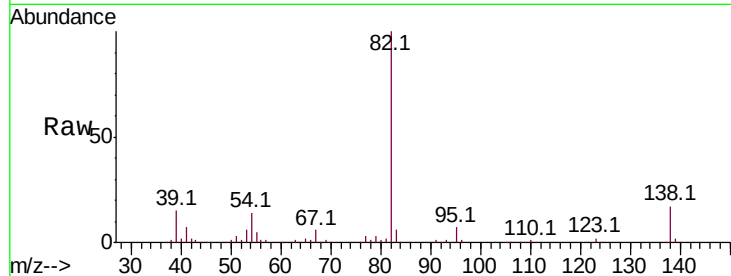
ClientSampleId :

PB112950BS

Tot Ion:	82	Resp:	889210
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.2	7.8
138	17.3	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 40.974 ng

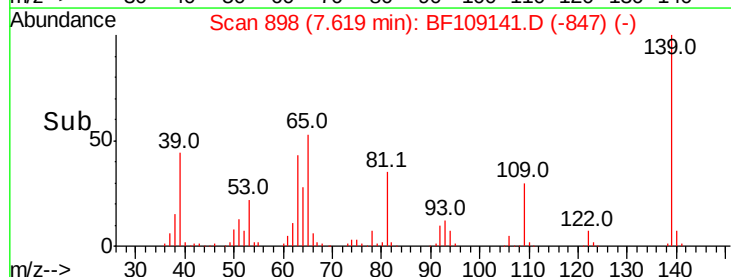
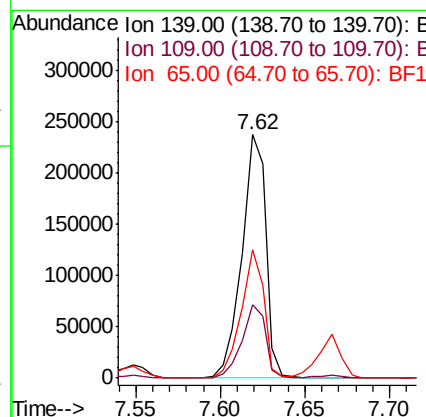
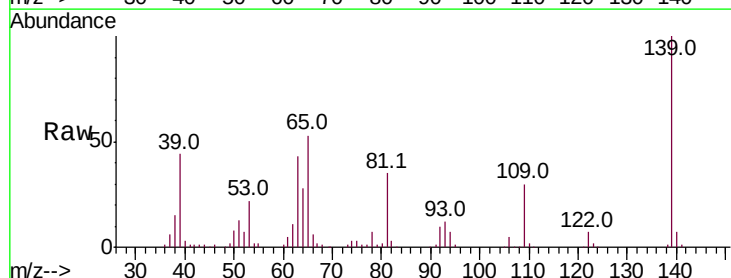
RT: 7.62 min Scan# 898

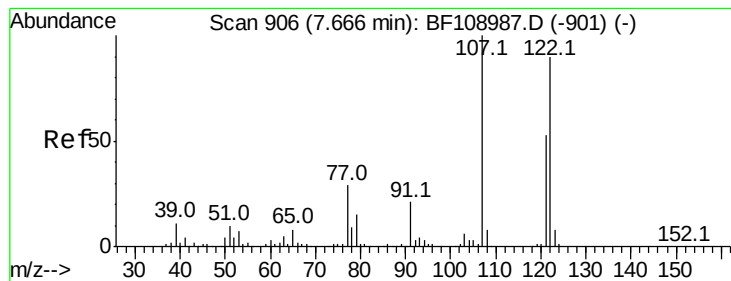
Delta R.T. 0.00 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Tgt Ion:	139	Resp:	233822
Ion Ratio	Lower	Upper	
139	100		
109	29.9	22.7	34.1
65	53.0	40.5	60.7





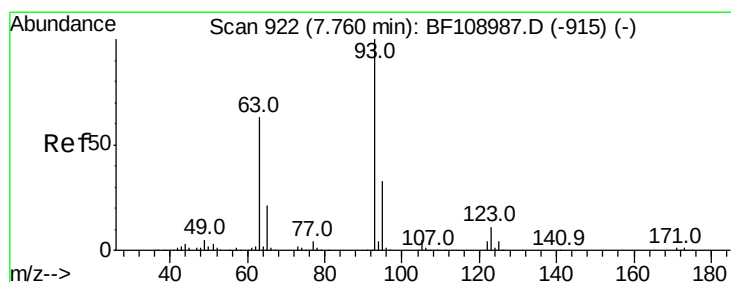
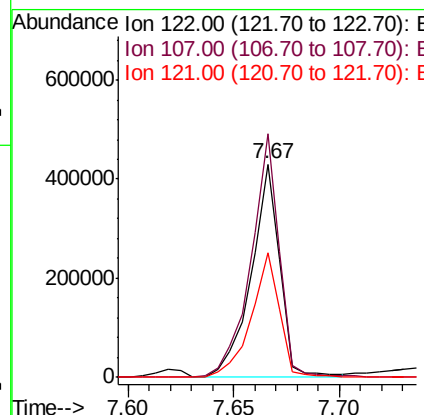
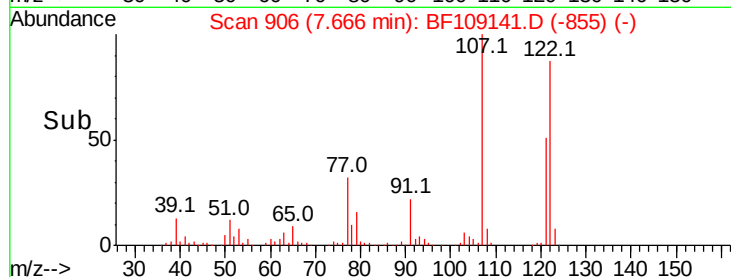
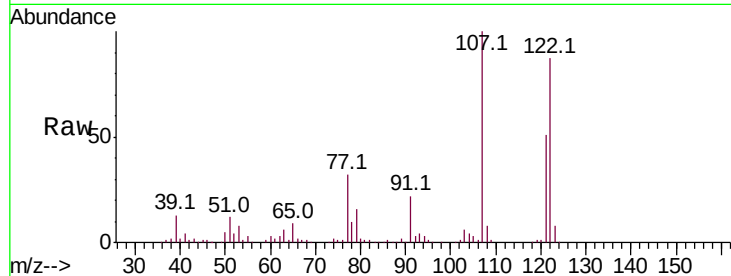
#27
2,4-Dimethylphenol
Concen: 45.470 ng
RT: 7.67 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.4	91.2	136.8
121	58.5	47.2	70.8

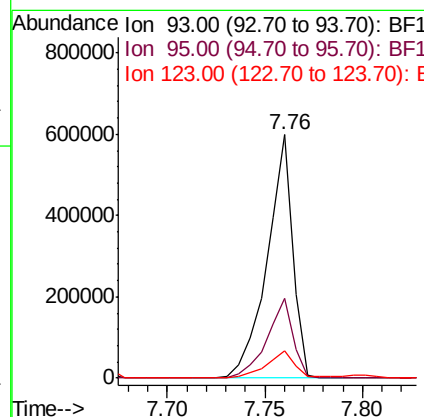
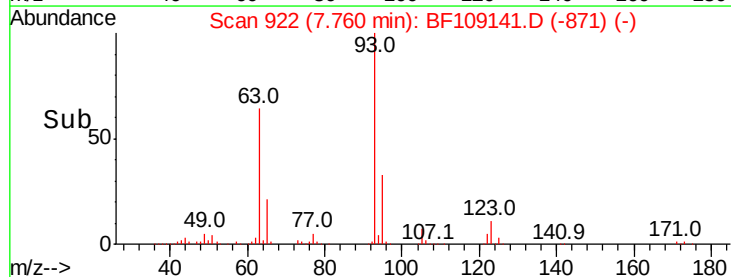
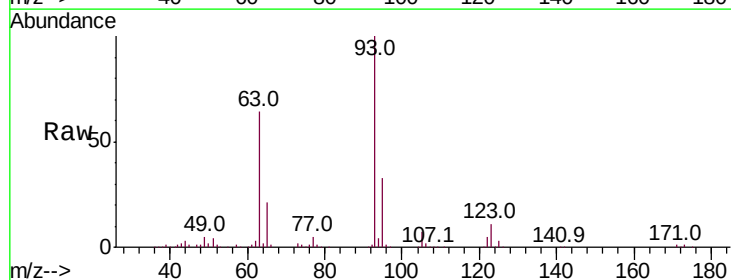
Manual Integrations
APPROVED

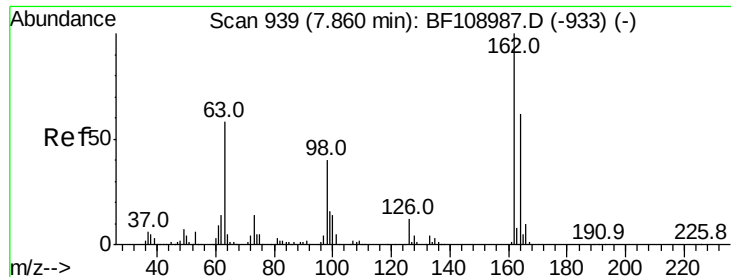
Sohil
9/20/2018 10:06:29 AM



#28
bis(2-Chloroethoxy)methane
Concen: 39.835 ng
RT: 7.76 min Scan# 922
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.3	39.5
123	11.1	9.8	14.6





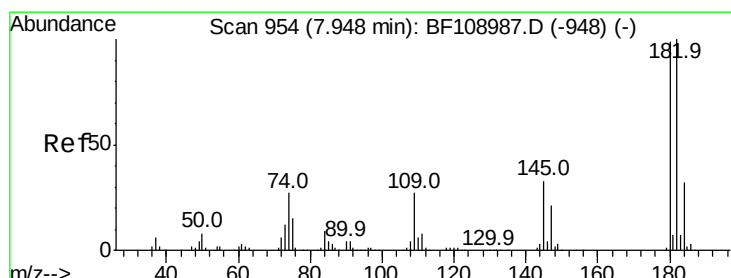
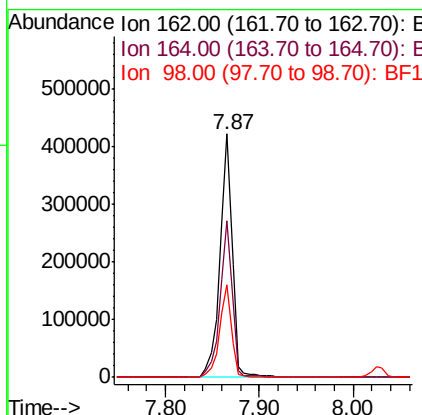
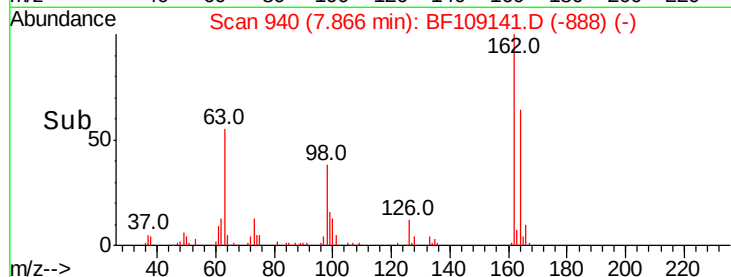
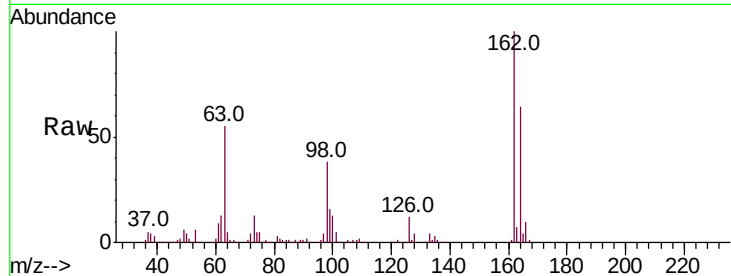
#29
2,4-Dichlorophenol
Concen: 40.479 ng
RT: 7.87 min Scan# 940
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	386126		
164	64.4	42.7	82.7	
98	38.0	18.1	58.1	

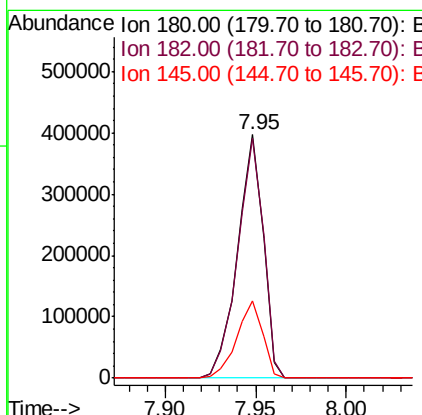
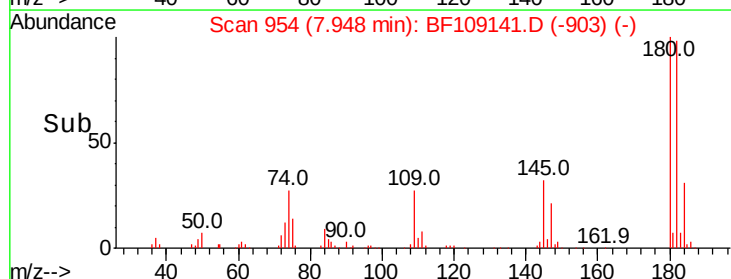
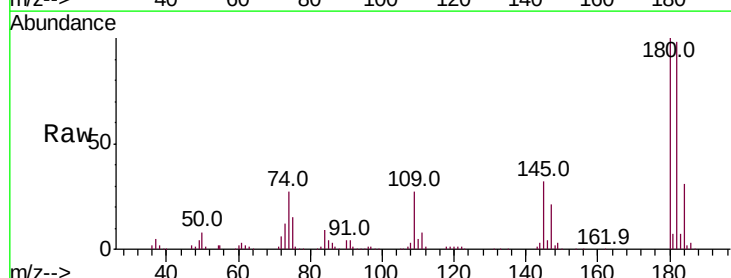
Manual Integrations
APPROVED

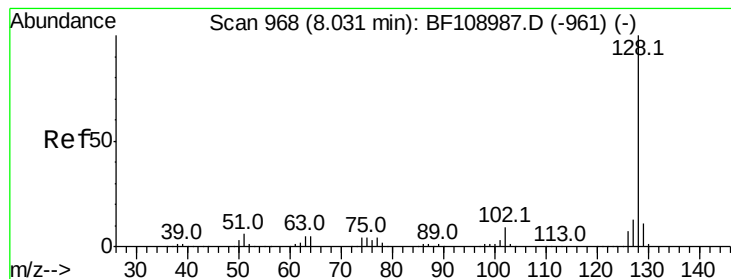
Sohil
9/20/2018 10:06:29 AM



#30
1,2,4-Trichlorobenzene
Concen: 37.897 ng
RT: 7.95 min Scan# 954
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	390764		
182	98.5	76.8	115.2	
145	32.0	26.5	39.7	





#31

Naphthalene

Concen: 40.533 ng

RT: 8.02 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

ClientSampleId :

PB112950BS

Tot Ion:128 Resp: 1250755

Ion Ratio Lower Upper

128 100

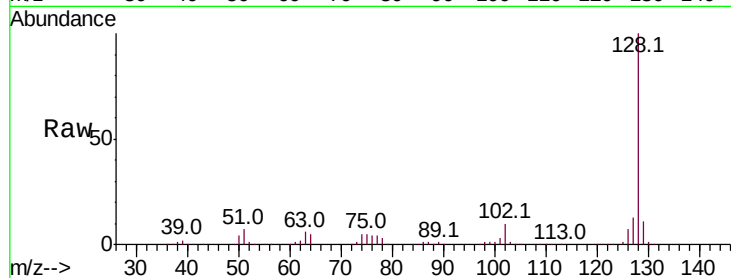
129 11.5 8.8 13.2

127 13.5 10.9 16.3

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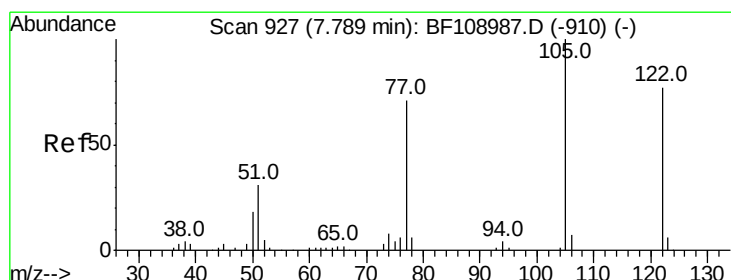
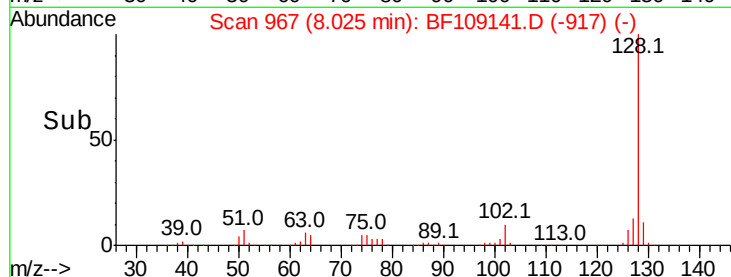
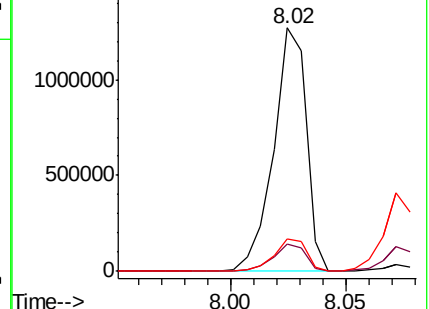
9/20/2018 10:06:29 AM



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: 40.325 ng

RT: 7.80 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

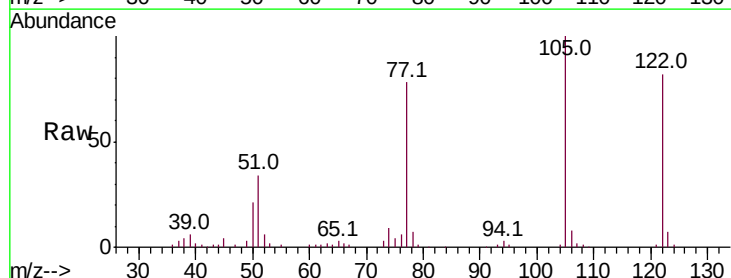
Tgt Ion:122 Resp: 235863

Ion Ratio Lower Upper

122 100

105 122.6 101.1 141.1

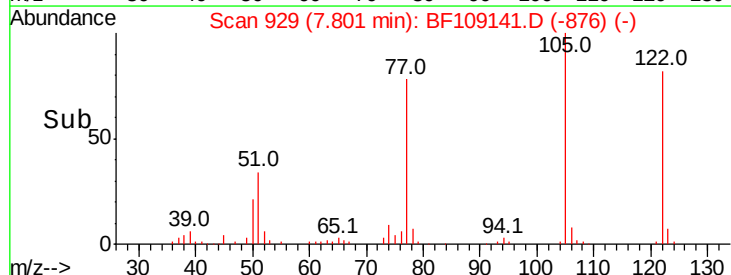
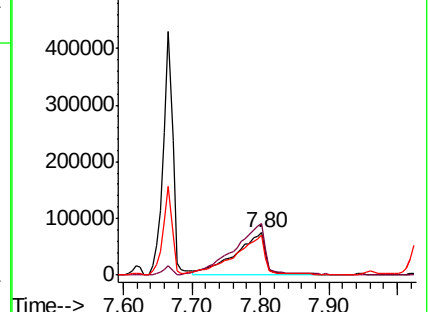
77 95.8 70.7 110.7

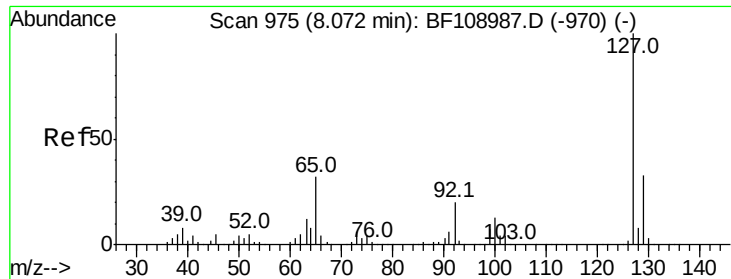


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





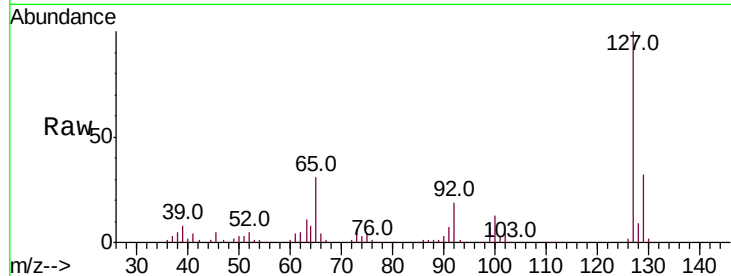
#33
4-Chloroaniline
Concen: 27.306 ng
RT: 8.07 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	30.6	25.0	37.4
92	19.3	15.2	22.8

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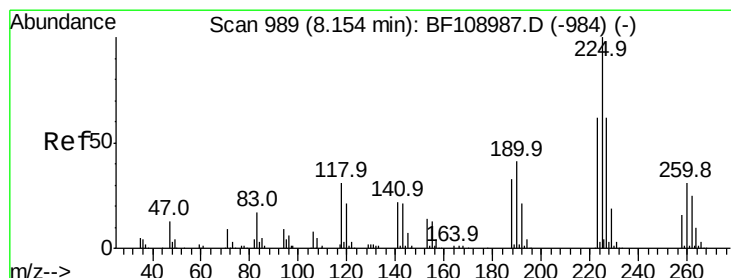
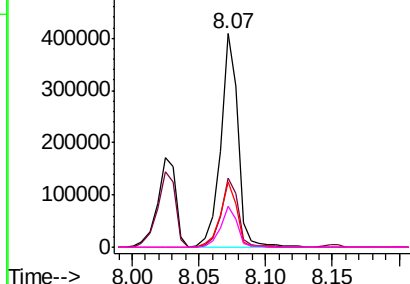
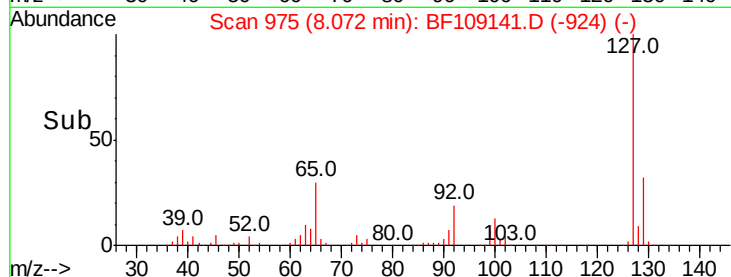
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

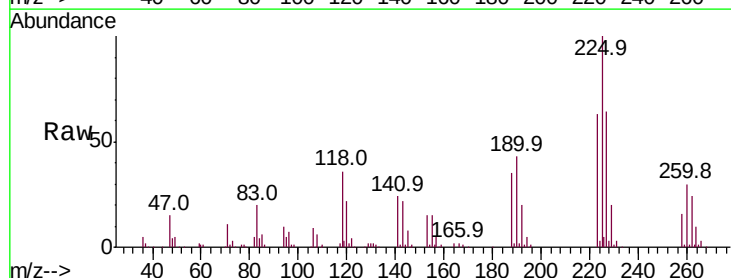
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 37.914 ng
RT: 8.15 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	63.9	51.9	77.9

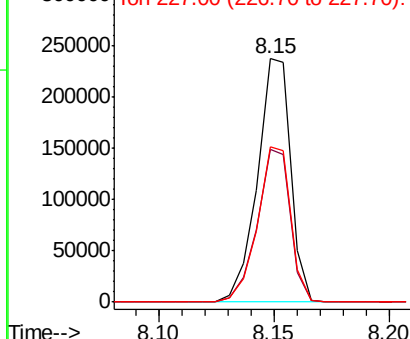
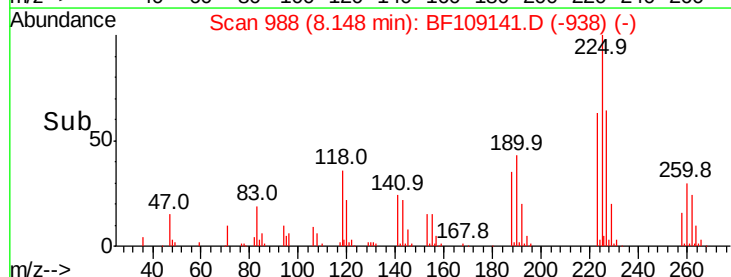


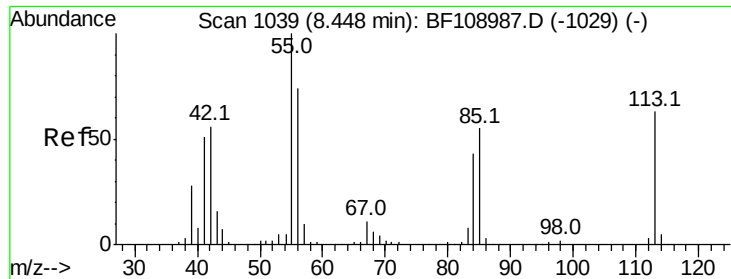
Abundance

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: 39.891 ng/mL

RT: 8.45 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

ClientSampleID :

PB112950BS

Tot Ion:113 Resp: 124057

Ion Ratio Lower Upper

113 100

55 156.8 163.3 203.3#

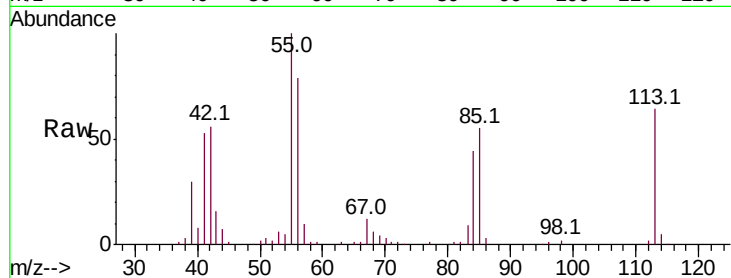
56 123.6 115.7 155.7

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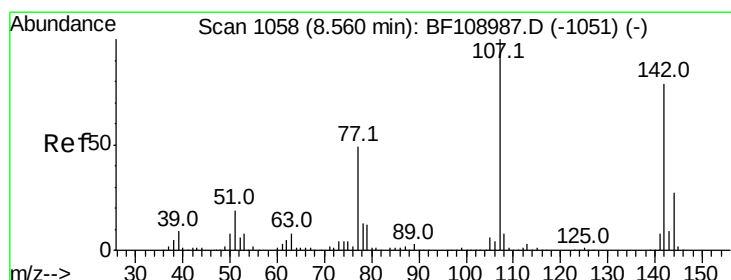
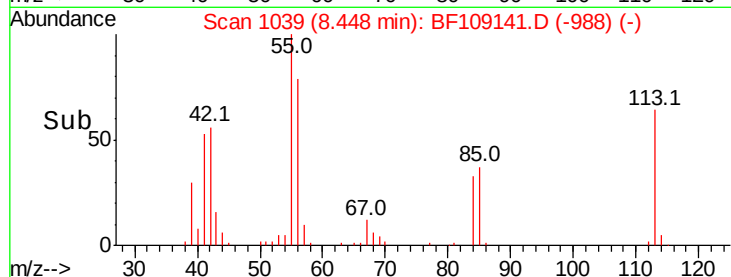
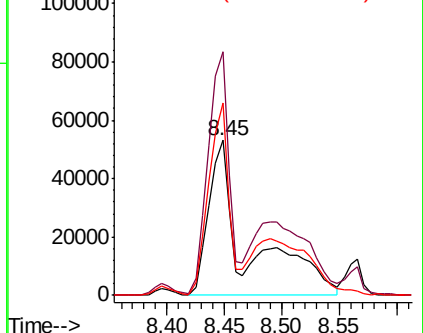
9/20/2018 10:06:29 AM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 40.389 ng/mL

RT: 8.57 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

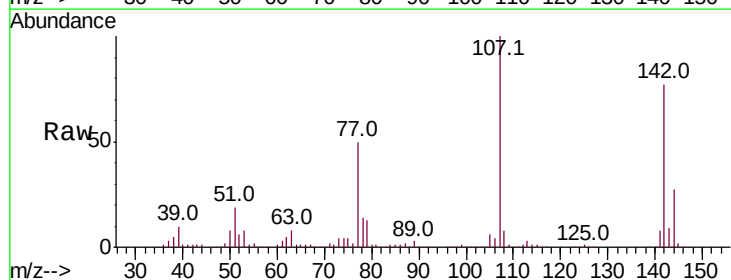
Tgt Ion:107 Resp: 405574

Ion Ratio Lower Upper

107 100

144 26.6 20.5 30.7

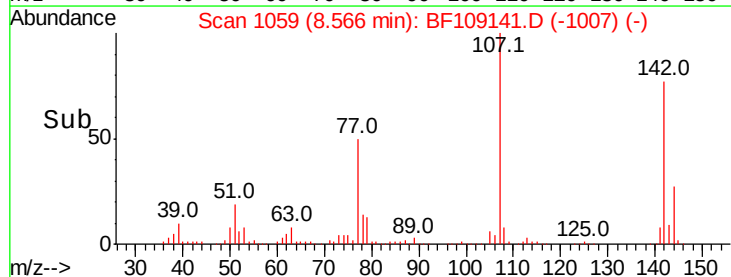
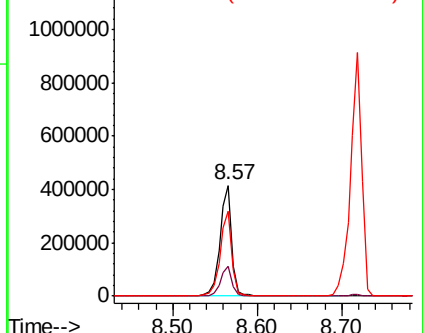
142 77.0 62.0 93.0

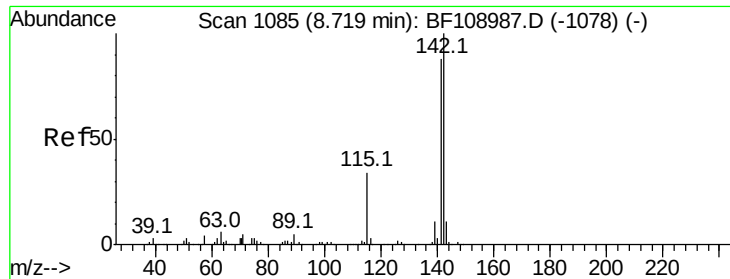


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





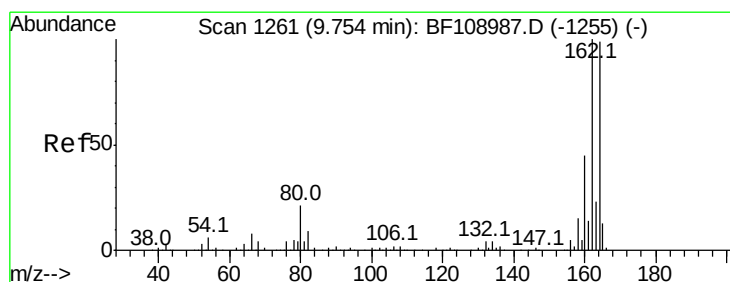
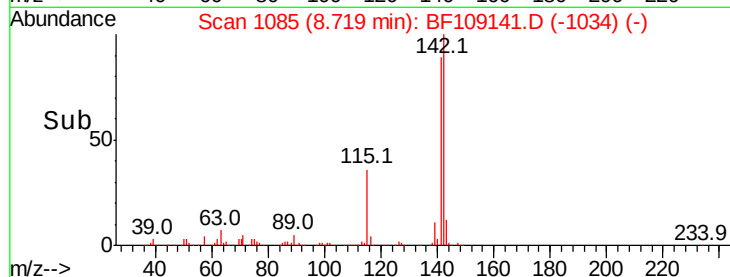
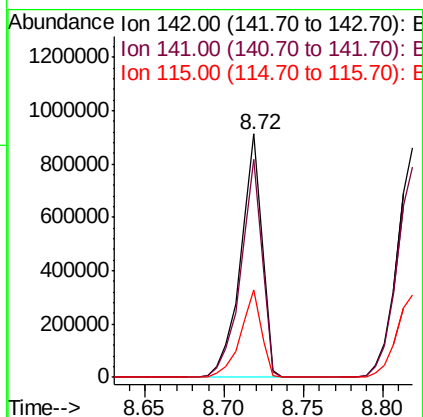
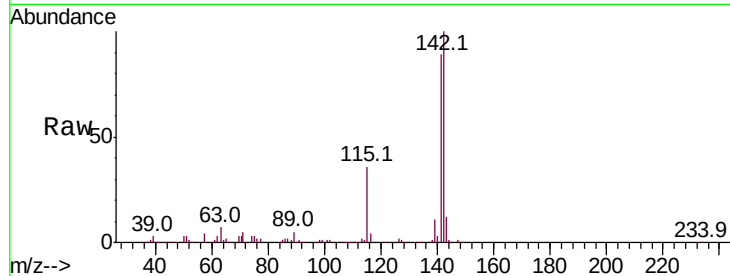
#37
2-Methylnaphthalene
Concen: 42.532 ng
RT: 8.72 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.8	106.2
115	35.7	26.1	39.1

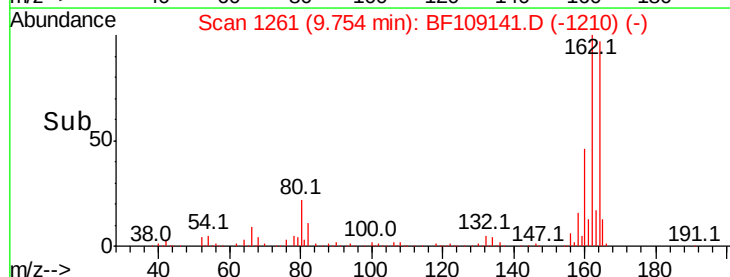
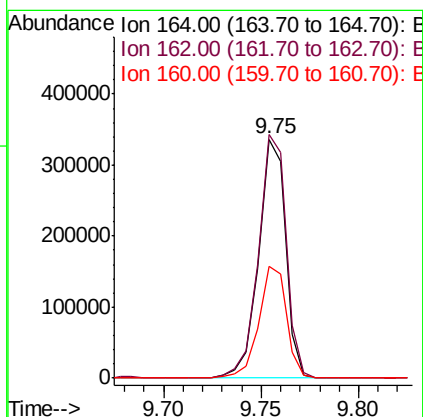
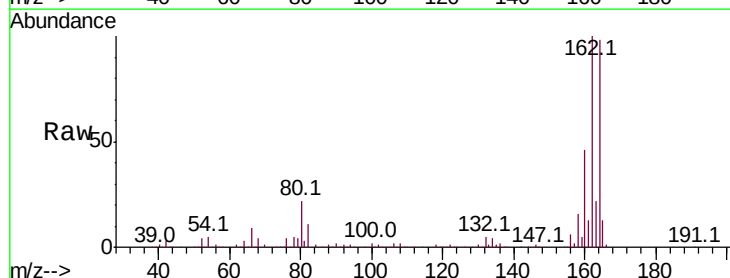
Manual Integrations
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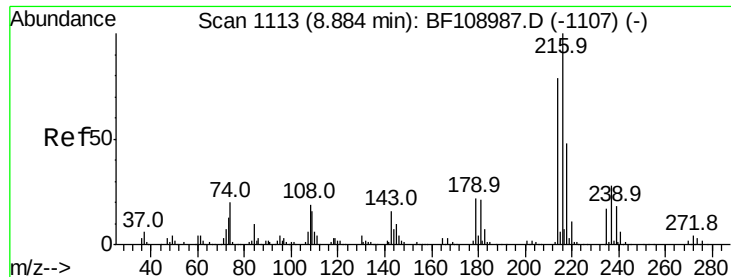
Sohil
9/20/2018 10:06:29 AM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	46.9	38.3	57.5





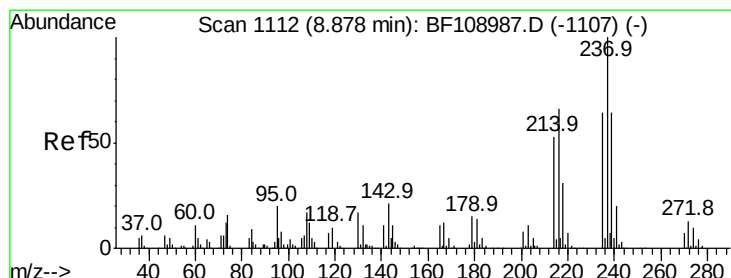
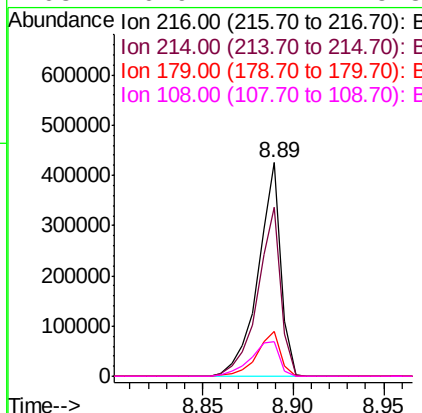
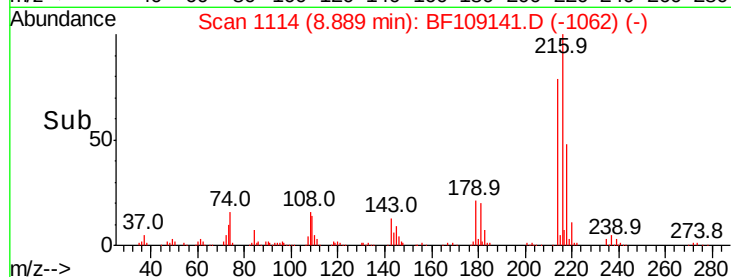
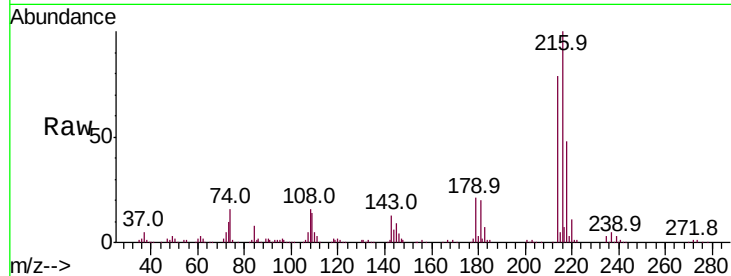
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 36.608 ng
 RT: 8.89 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	372226		
214	79.9	63.0	94.4	
179	21.4	18.1	27.1	
108	20.9	17.2	25.8	

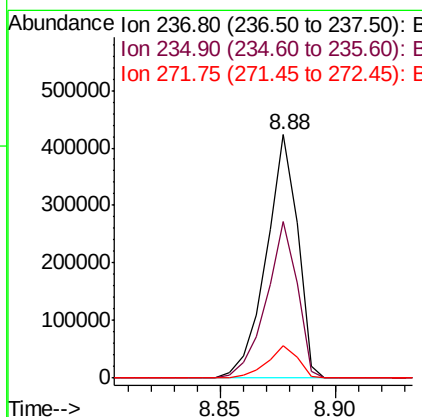
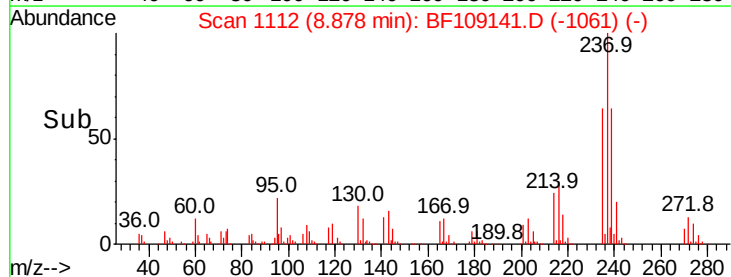
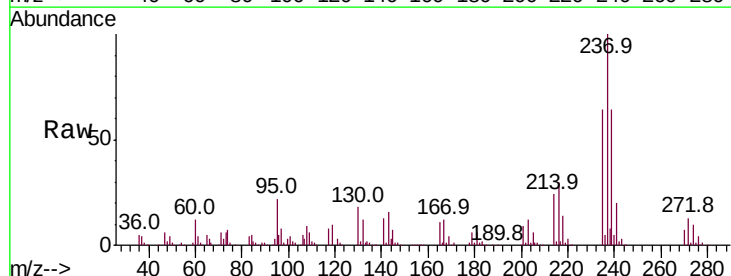
Manual Integrations
 APPROVED

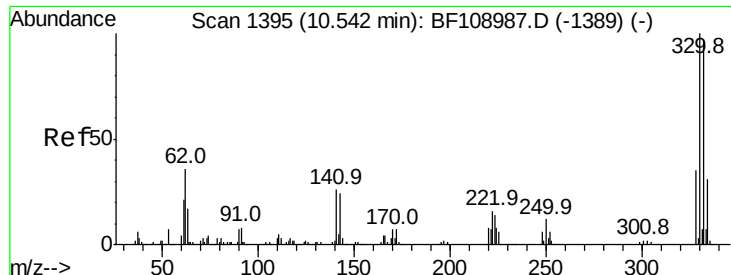
Sohil
 9/20/2018 10:06:29 AM



#40
 Hexachlorocyclopentadiene
 Concen: 78.007 ng
 RT: 8.88 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	399627		
235	64.4	44.8	84.8	
272	13.1	0.0	33.3	





#41

2,4,6-Tribromophenol

Concen: 103.660 ng

RT: 10.55 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

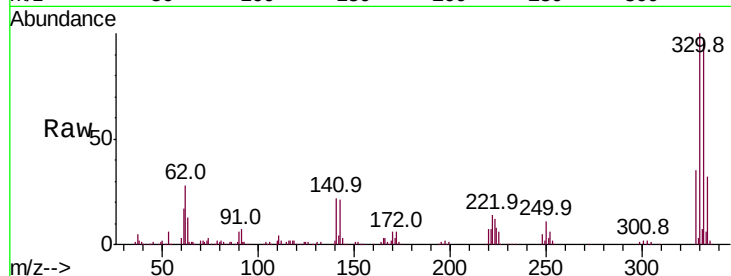
ClientSampleId :

PB112950BS

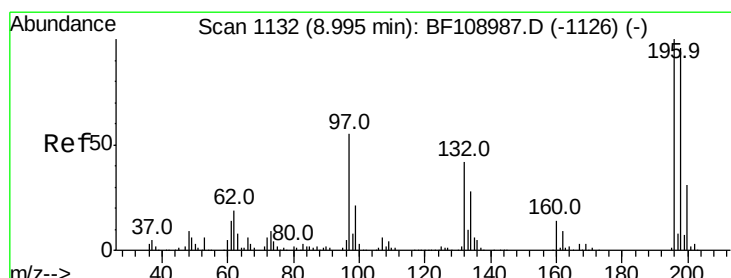
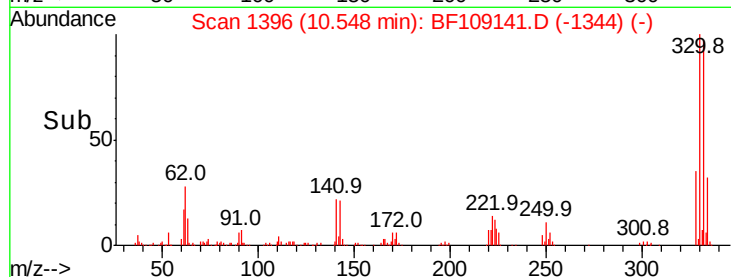
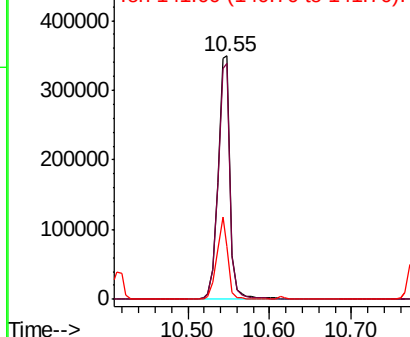
Tot Ion:	330	Resp:	363434
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.0	115.6
141	31.0	29.9	44.9

Manual Integrations
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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: 39.981 ng

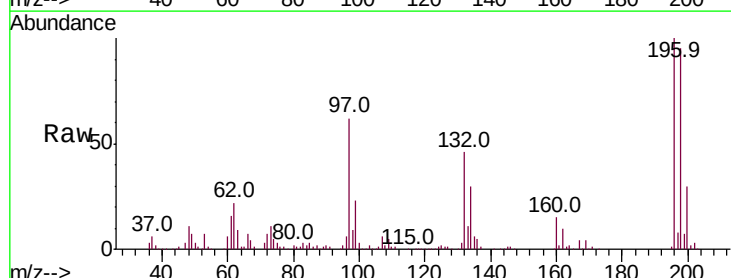
RT: 9.00 min Scan# 1132

Delta R.T. 0.00 min

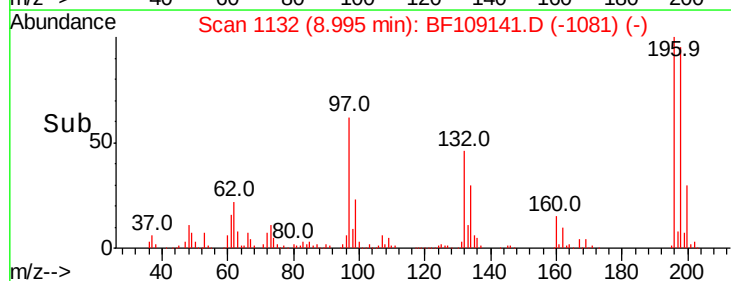
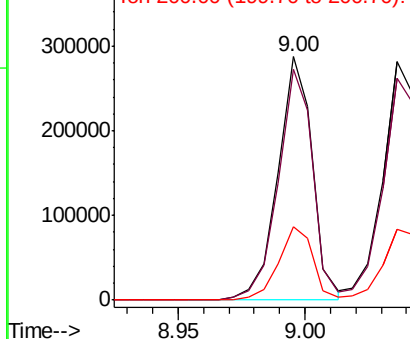
Lab File: BF109141.D

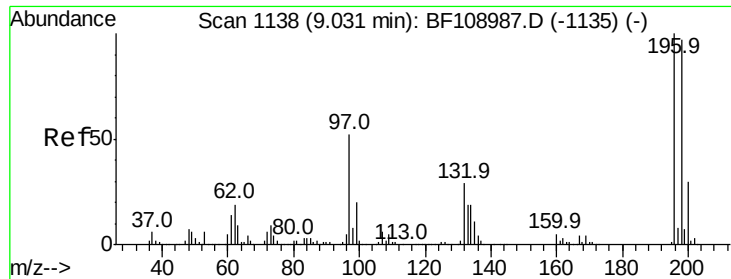
Acq: 19 Sep 2018 14:06

Tgt Ion:	196	Resp:	273241
Ion Ratio	Lower	Upper	
196	100		
198	94.6	75.7	113.5
200	30.2	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





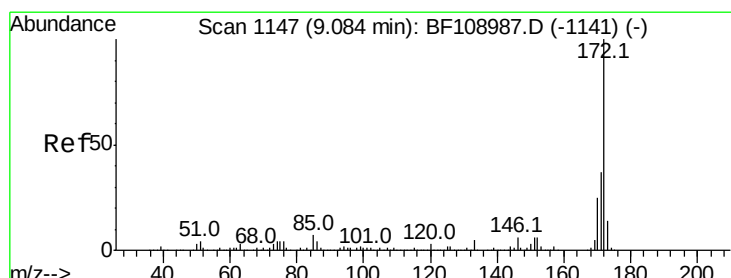
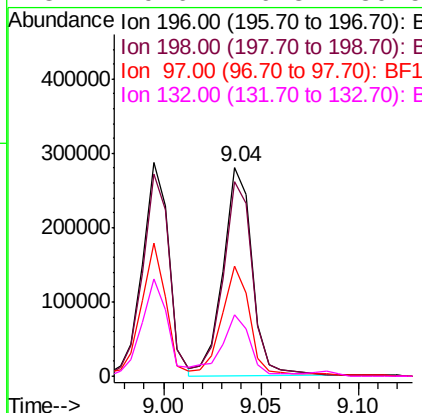
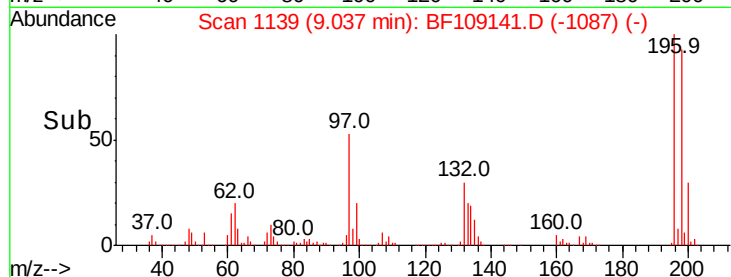
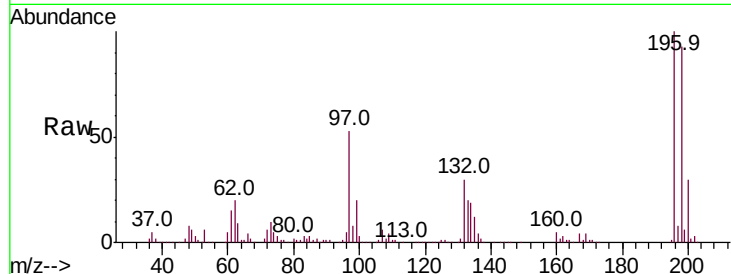
#43
 2,4,5-Trichlorophenol
 Concen: 40.528 ng
 RT: 9.04 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	289446		
198	93.3	74.6	112.0	
97	52.6	42.9	64.3	
132	29.6	26.3	39.5	

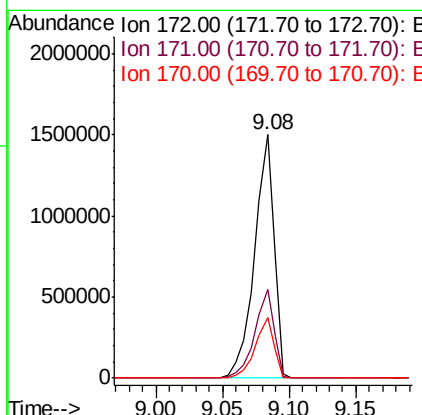
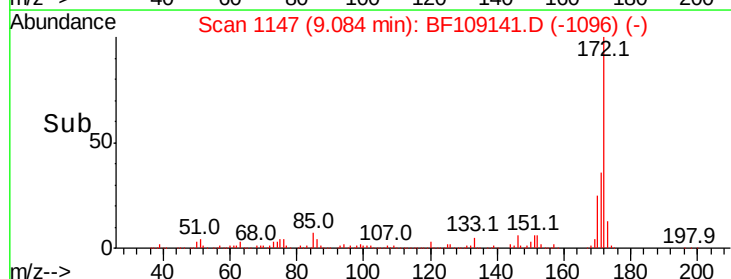
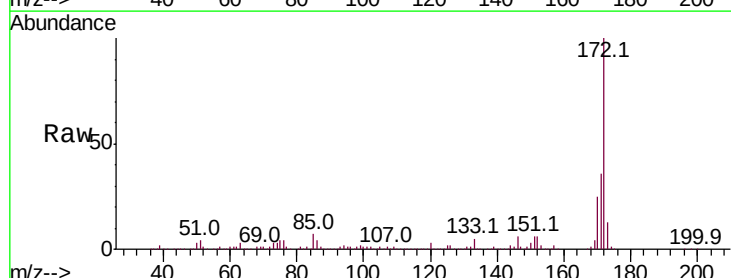
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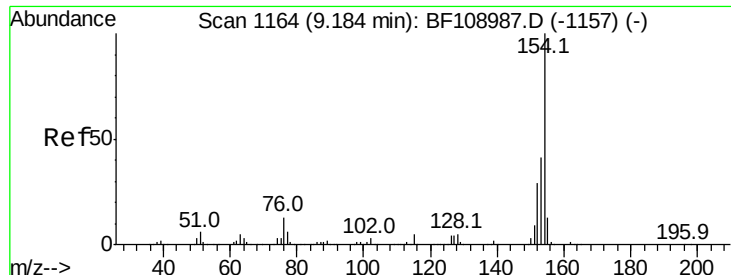
Sohil
 9/20/2018 10:06:29 AM



#44
 2-Fluorobiphenyl
 Concen: 72.539 ng
 RT: 9.08 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1495738		
171	36.3	29.7	44.5	
170	24.8	19.6	29.4	





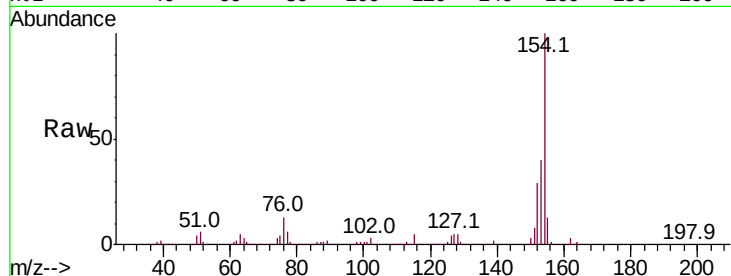
#45
 1,1'-Biphenyl
 Concen: 39.205 ng
 RT: 9.18 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

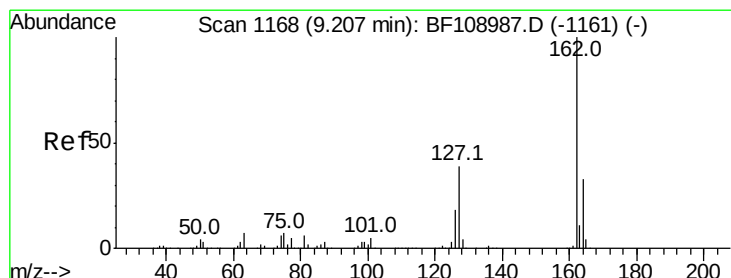
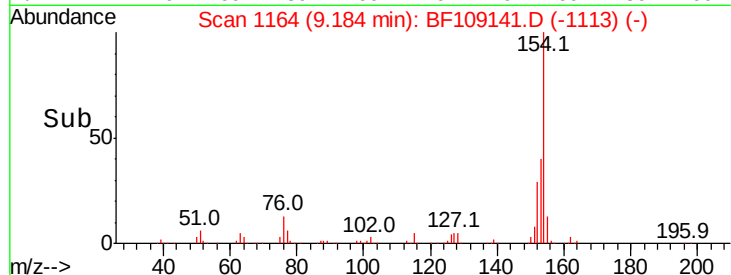
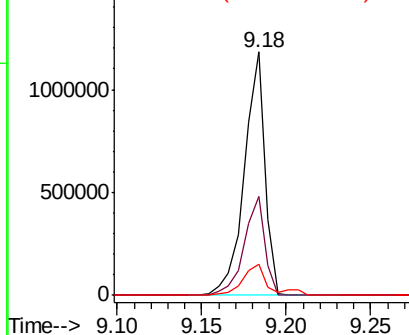
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.3	61.3
76	12.6	0.0	34.0

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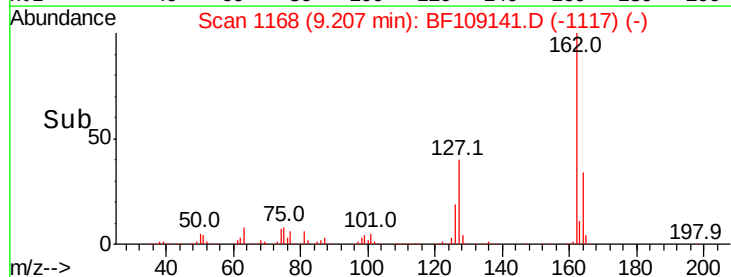
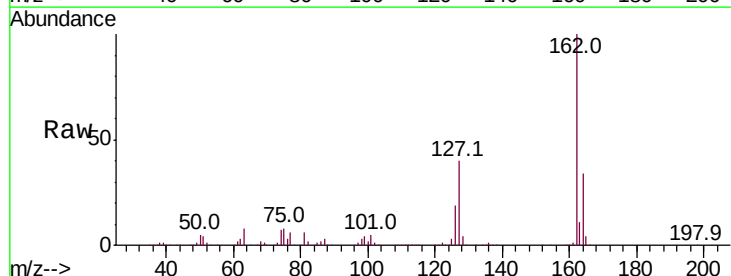
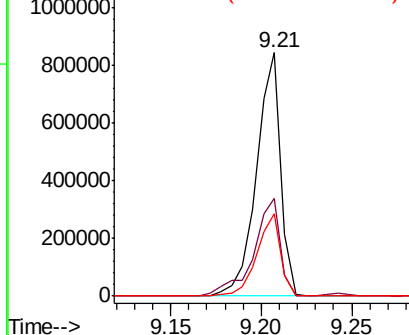
Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

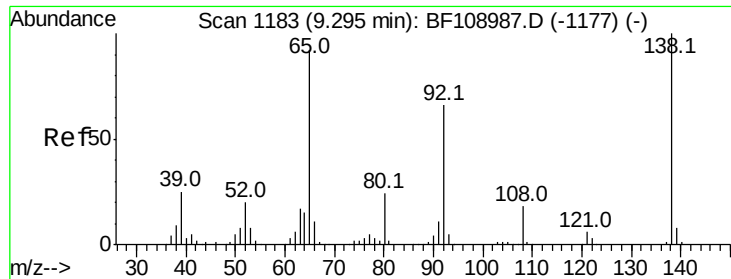


#46
 2-Chloronaphthalene
 Concen: 37.667 ng
 RT: 9.21 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.0	33.9	50.9
164	33.6	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





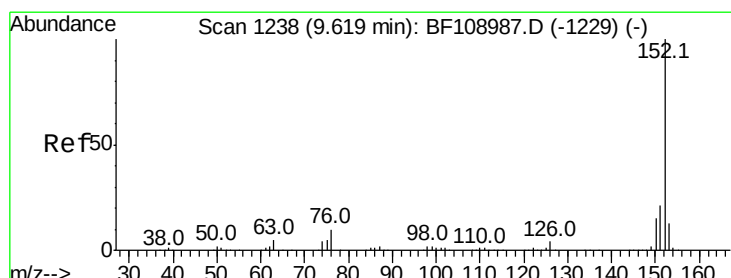
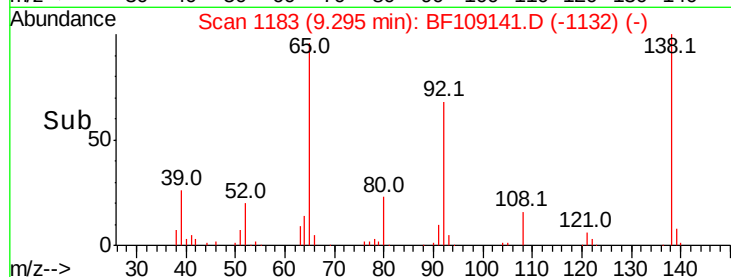
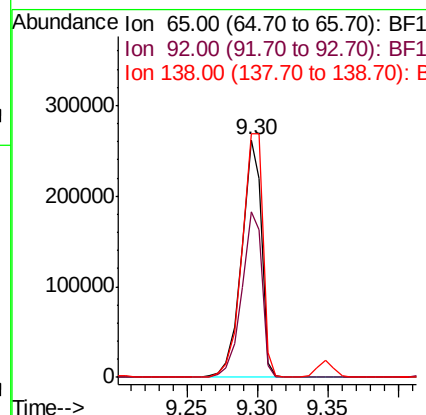
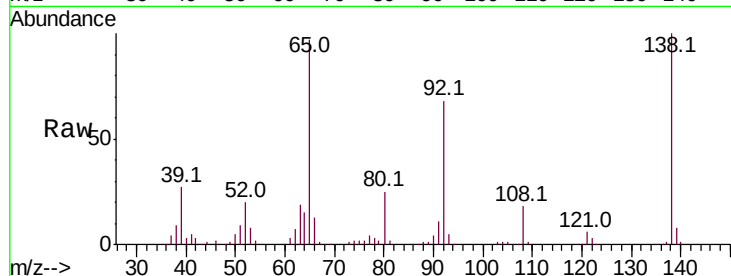
#47
 2-Nitroaniline
 Concen: 40.125 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

Tot Ion:	65	Resp:	255329
Ion Ratio	Lower	Upper	
65	100		
92	69.6	55.8	83.6
138	102.6	91.2	136.8

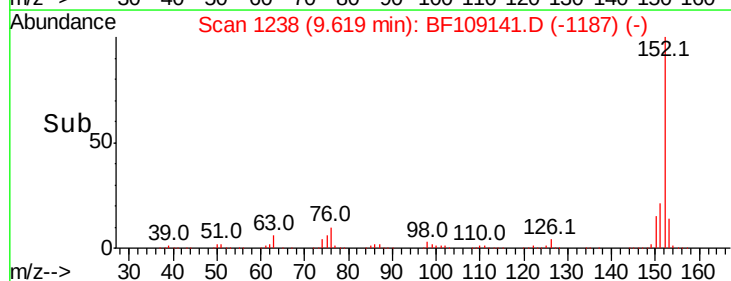
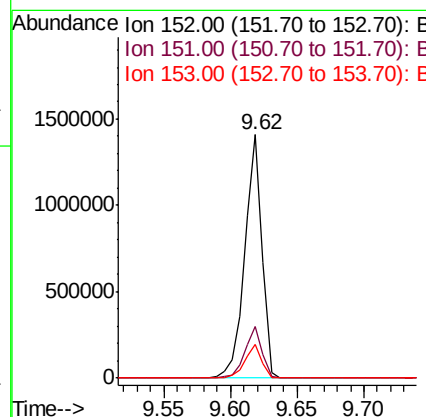
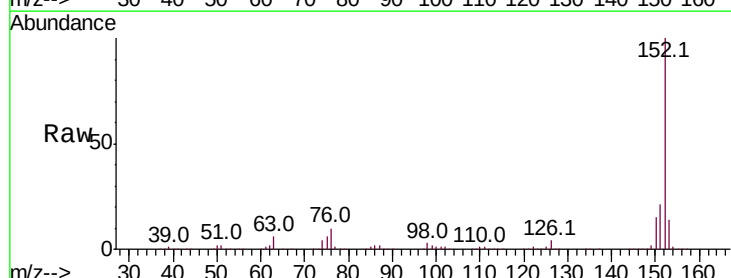
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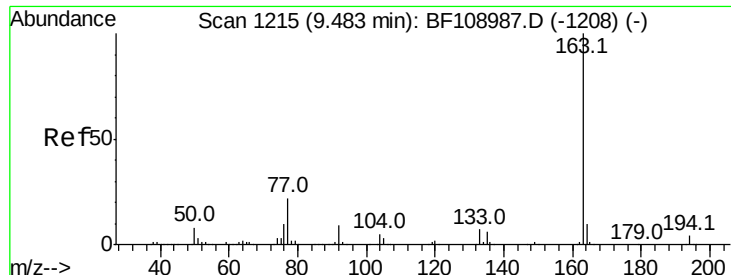
Sohil
 9/20/2018 10:06:29 AM



#48
 Acenaphthylene
 Concen: 40.472 ng
 RT: 9.62 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion:	152	Resp:	1263054
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.3	24.5
153	13.6	10.7	16.1





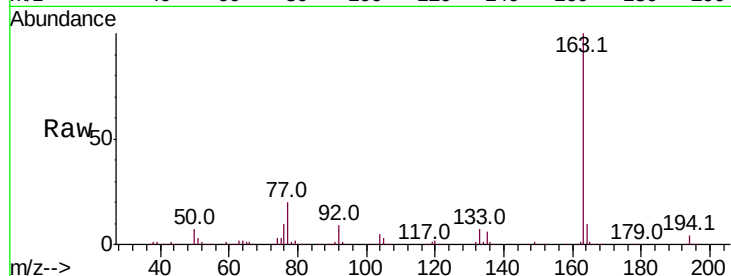
#49
Dimethylphthalate
Concen: 39.944 ng
RT: 9.49 min Scan# 1216
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampled :
PB112950BS

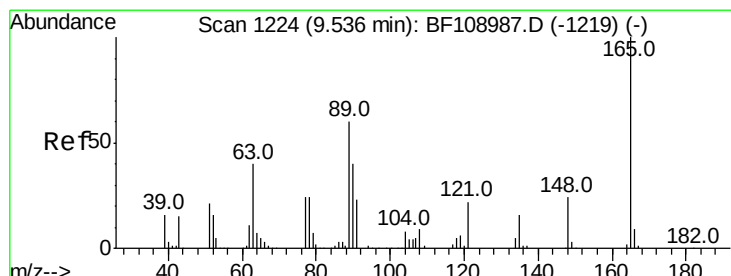
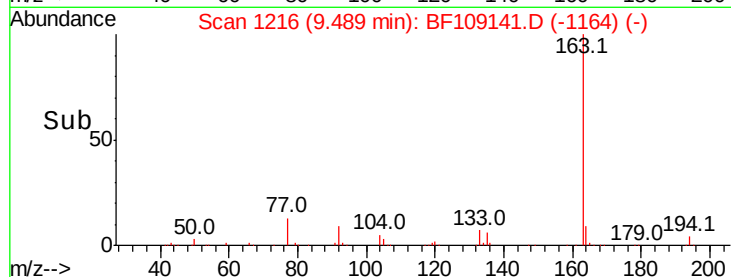
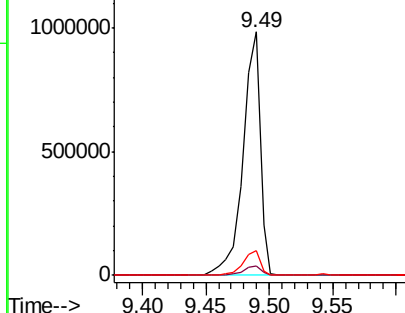
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1	
164	10.0	8.2	12.2	

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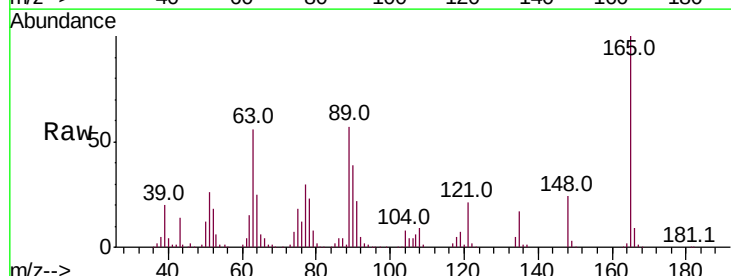


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

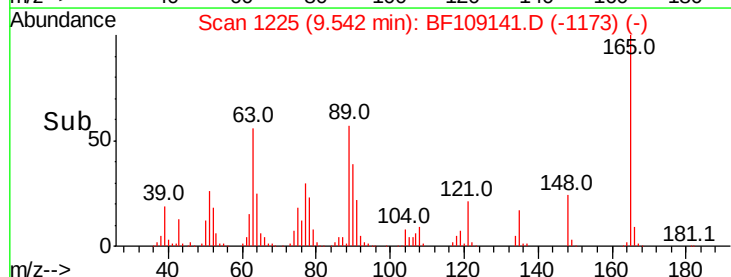
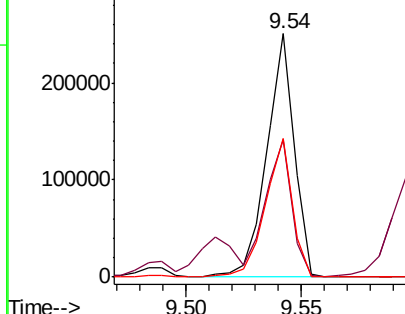


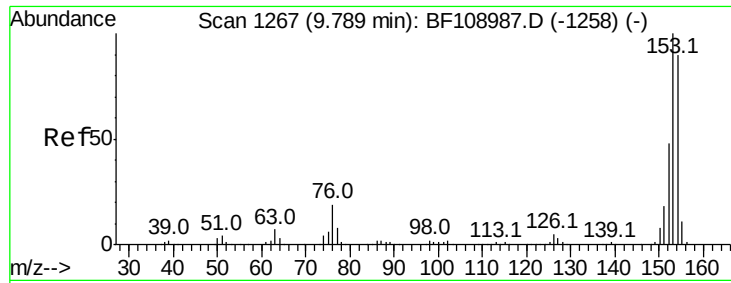
#50
2,6-Dinitrotoluene
Concen: 40.557 ng
RT: 9.54 min Scan# 1225
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	56.3	44.7	67.1	
89	56.9	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





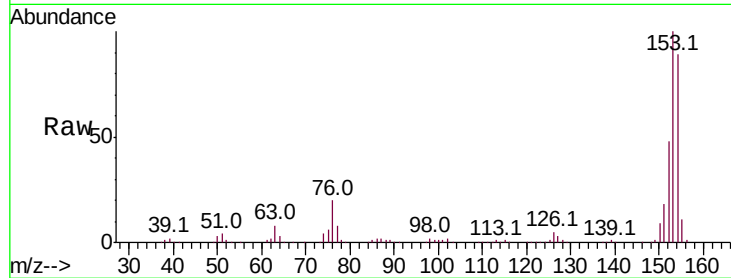
#51
Acenaphthene
Concen: 38.543 ng
RT: 9.79 min Scan# 1267
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.1	91.2	136.8
152	54.0	43.8	65.8

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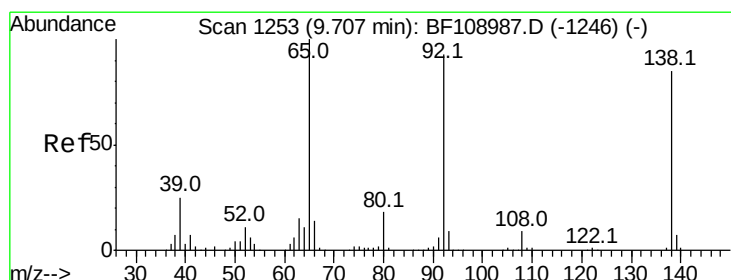
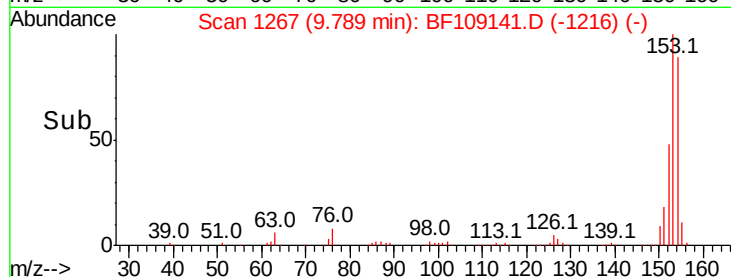
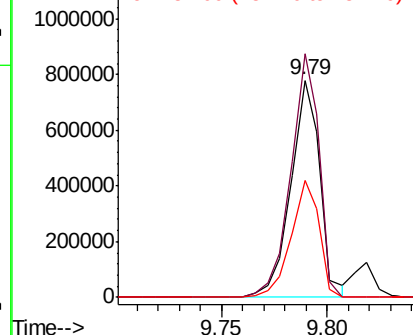


Abundance

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: 30.592 ng
RT: 9.71 min Scan# 1253
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

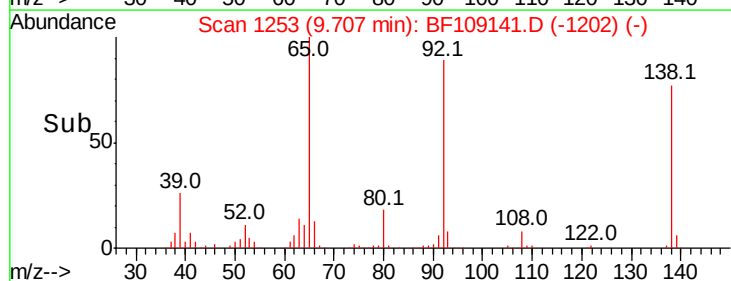
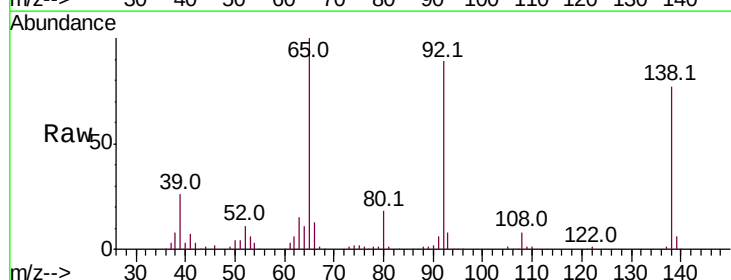
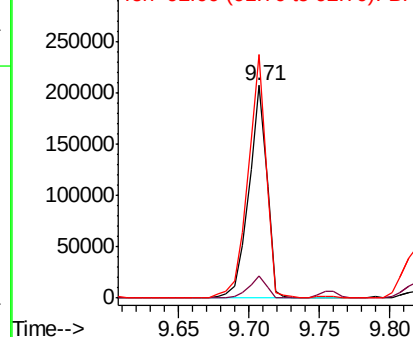
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.2	9.4	14.0
92	114.6	89.4	134.2

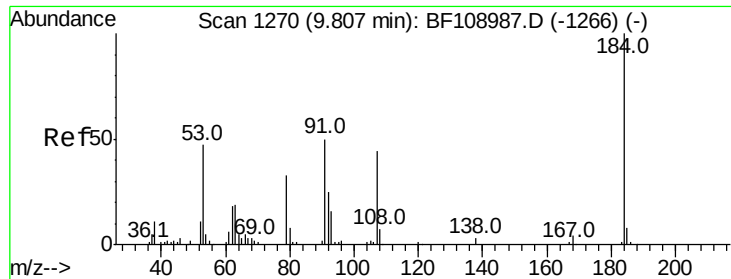
Abundance

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





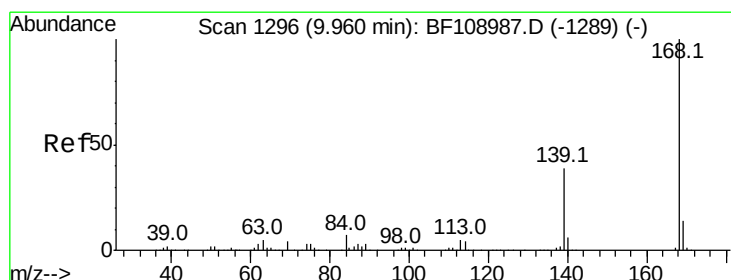
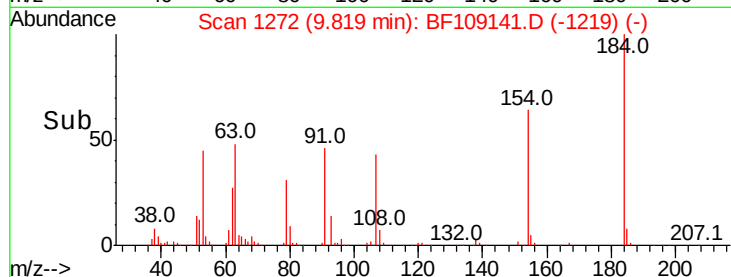
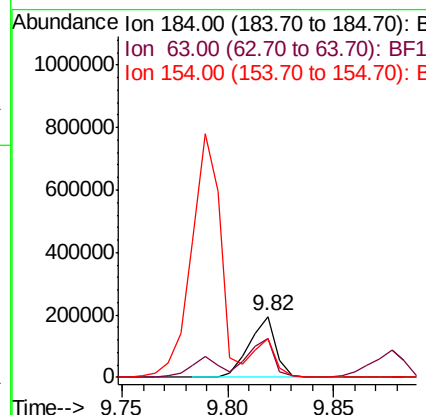
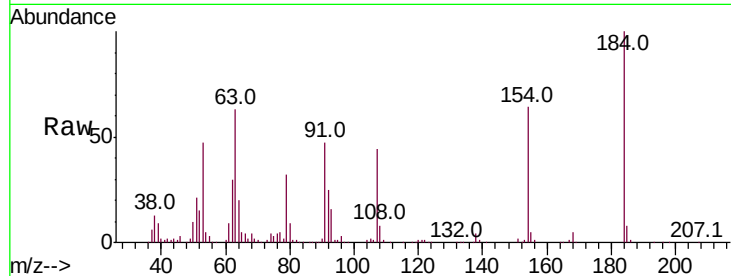
#53
2,4-Dinitrophenol
Concen: 86.294 ng
RT: 9.82 min Scan# 1272
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	62.8	54.2	81.2	
154	64.0	184.0	276.0	

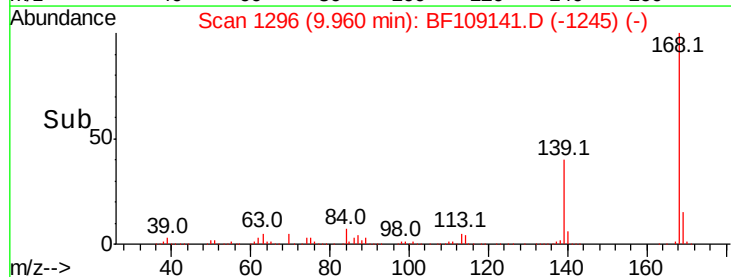
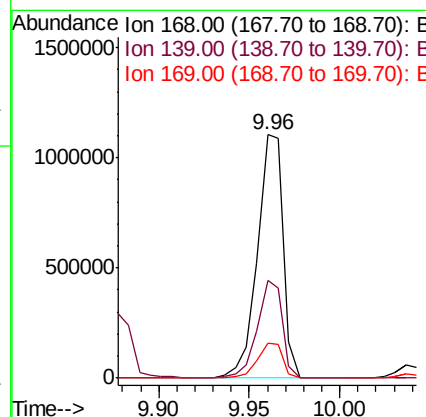
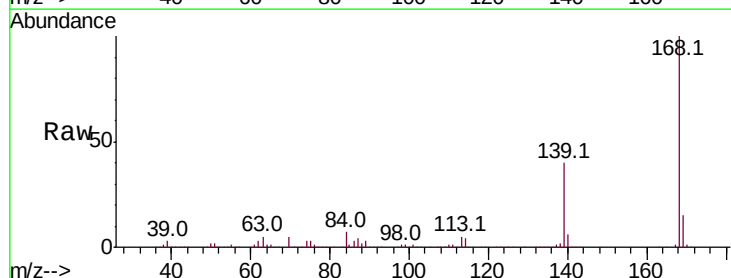
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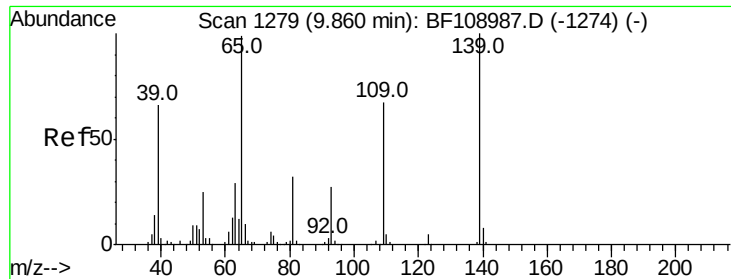
Sohil
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#54
Dibenzofuran
Concen: 38.812 ng
RT: 9.96 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	40.1	30.1	45.1	
169	14.6	10.9	16.3	





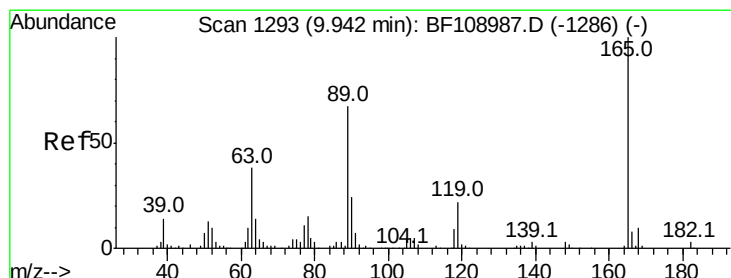
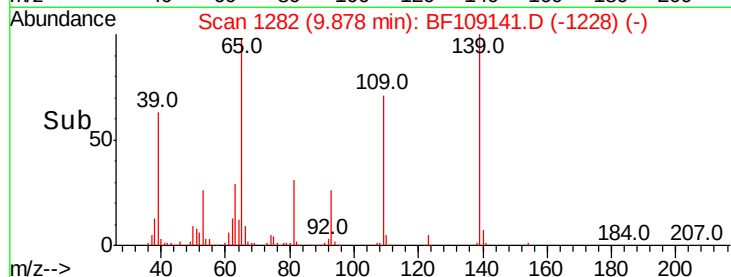
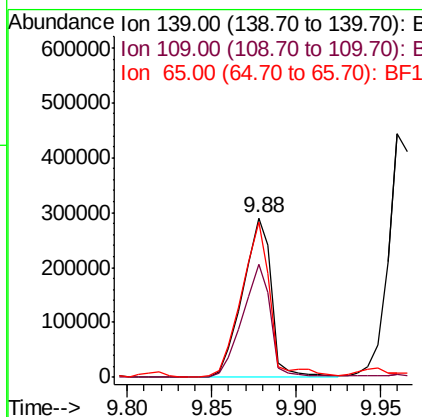
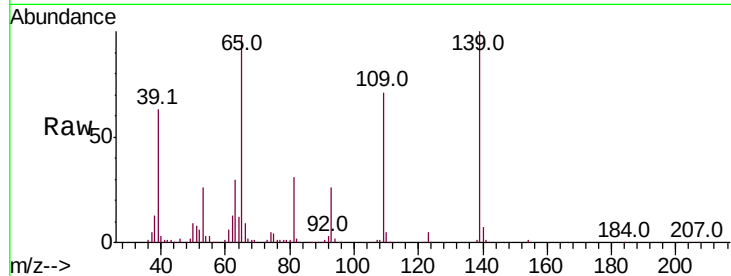
#55
4-Nitrophenol
Concen: 78.415 ng
RT: 9.88 min Scan# 1282
Delta R.T. 0.02 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Lower	Upper
139	100		
109	70.9	48.4	88.4
65	97.7	72.6	112.6

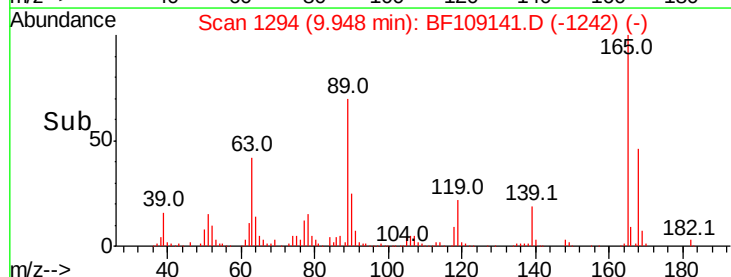
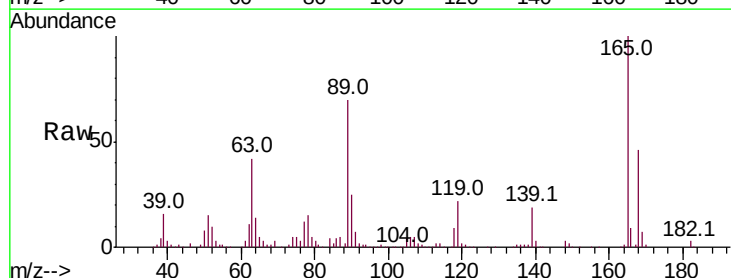
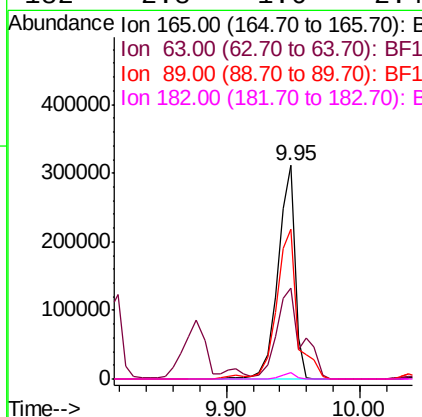
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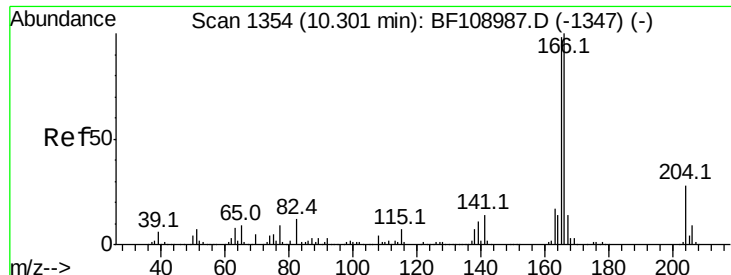
Sohil
9/20/2018 10:06:29 AM



#56
2,4-Dinitrotoluene
Concen: 41.924 ng
RT: 9.95 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	42.4	36.4	54.6
89	69.9	57.8	86.6
182	2.8	1.6	2.4#





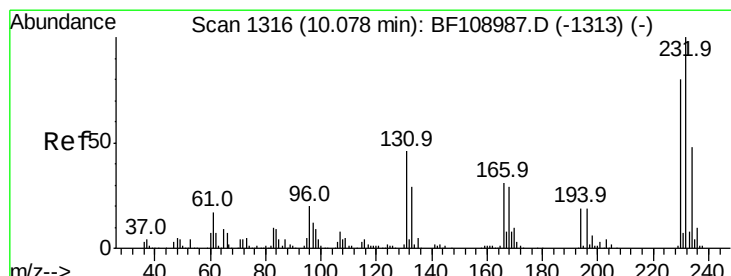
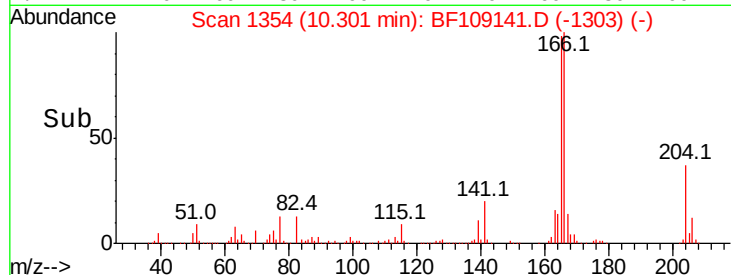
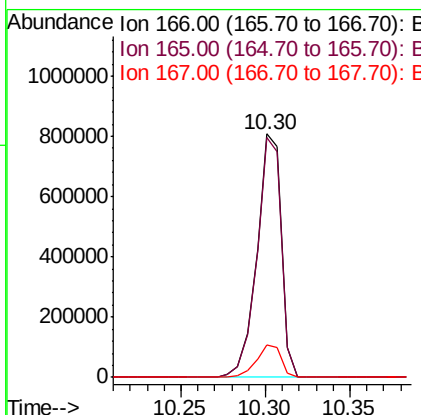
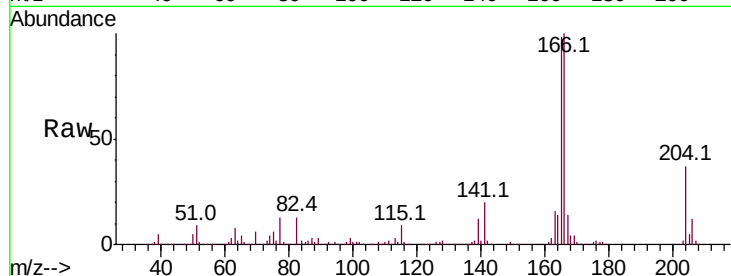
#57
 Fluorene
 Concen: 43.372 ng
 RT: 10.30 min Scan# 1354
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleID :
 PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	811664		
165	98.2	79.8	119.8	
167	13.5	10.6	16.0	

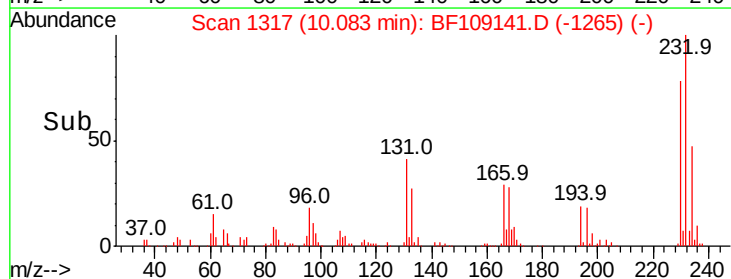
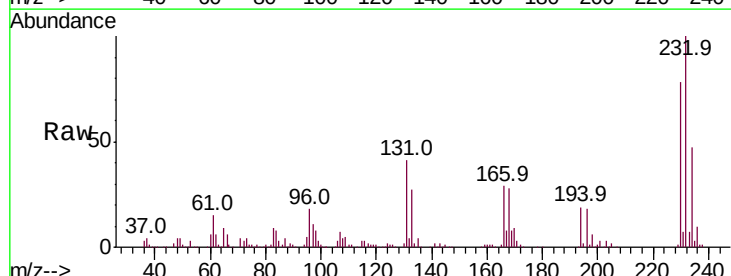
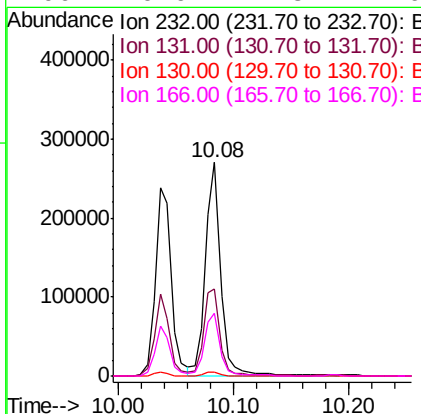
Manual Integrations
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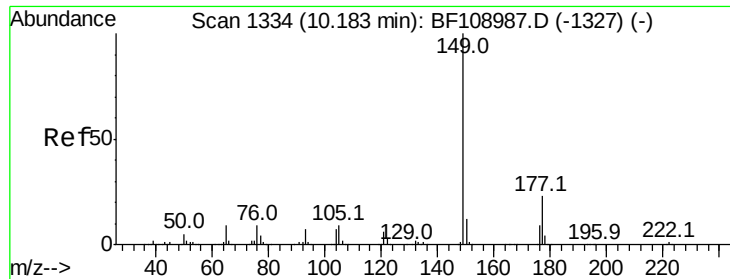
Sohil
 9/20/2018 10:06:29 AM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 42.285 ng
 RT: 10.08 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	250057		
231	43.6	43.8	65.8#	
130	2.2	2.1	3.1	
166	29.9	27.8	41.6	





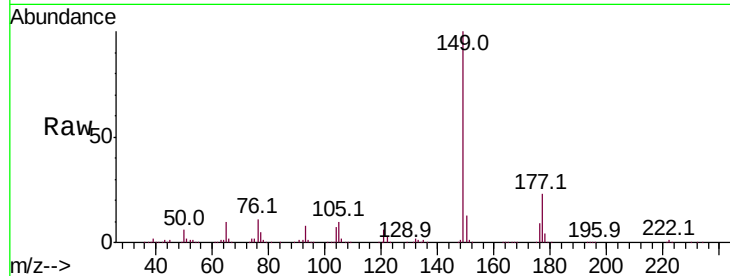
#59
Diethylphthalate
Concen: 39.024 ng
RT: 10.18 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	909918		
177	22.6	16.1	24.1	
150	12.7	10.1	15.1	

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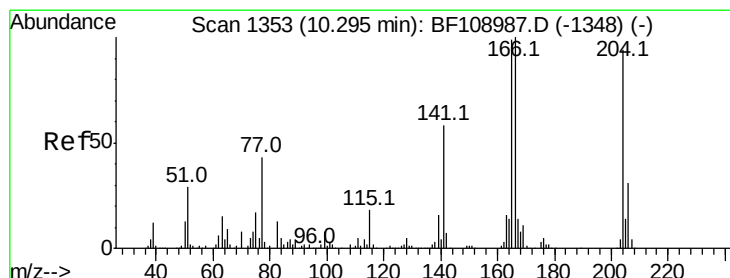
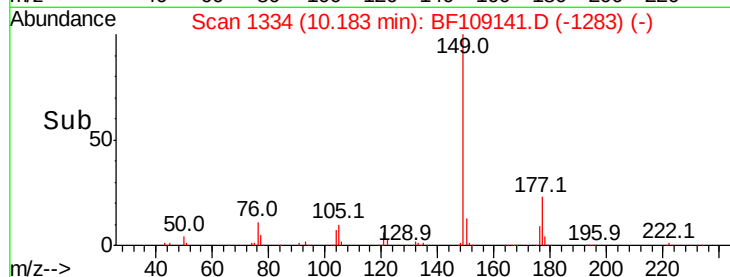
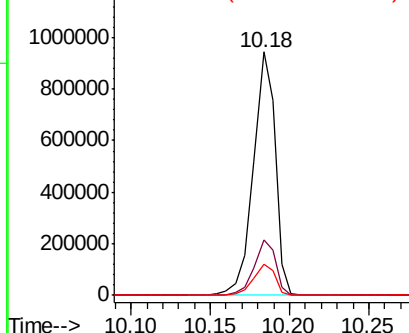


Abundance

Ion 149.00 (148.70 to 149.70): E

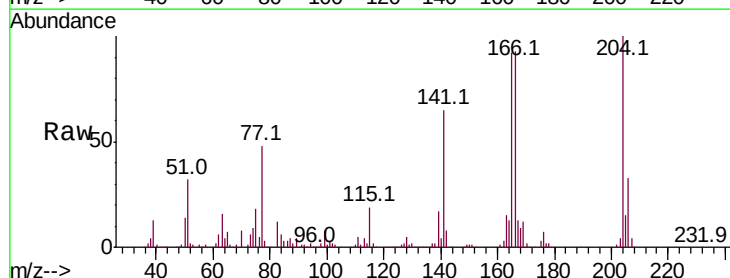
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60
4-Chlorophenyl-phenylether
Concen: 38.375 ng
RT: 10.30 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	384549		
206	33.2	26.5	39.7	
141	65.5	54.6	81.8	

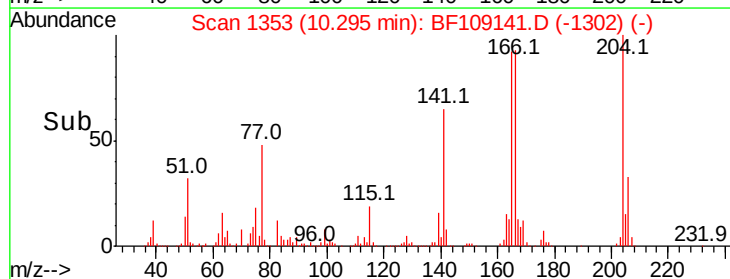
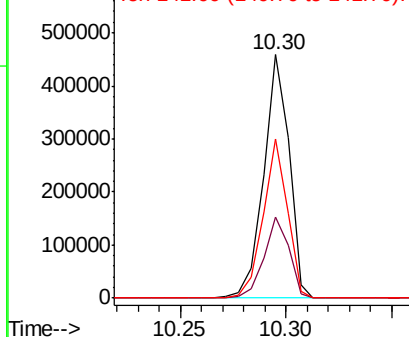


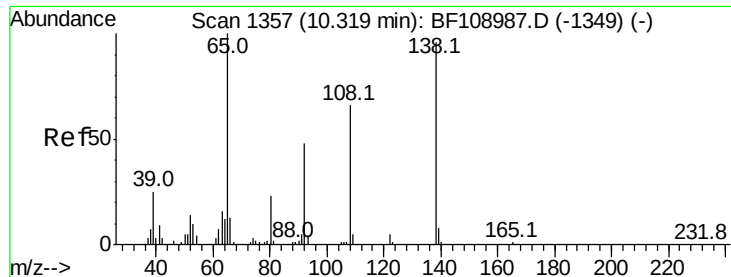
Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





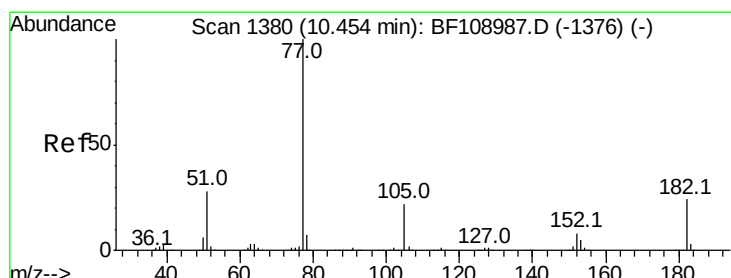
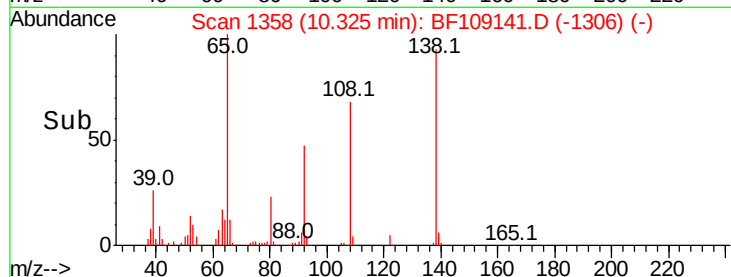
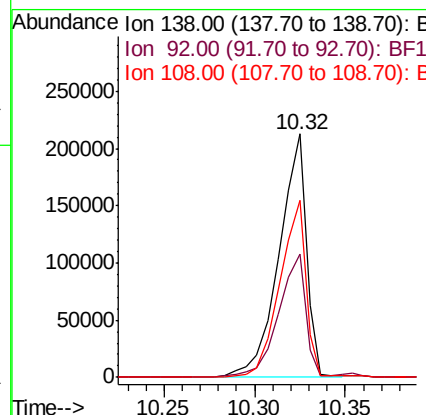
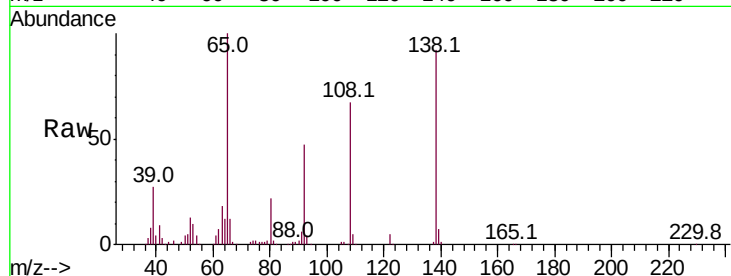
#61
4-Nitroaniline
Concen: 39.074 ng
RT: 10.32 min Scan# 1358
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampled :
PB112950BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	50.5	30.2	70.2
108	72.8	52.5	92.5

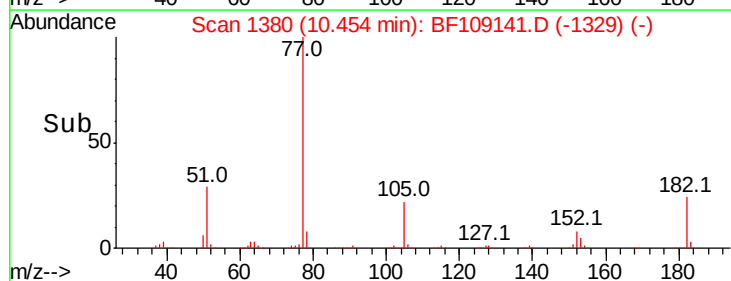
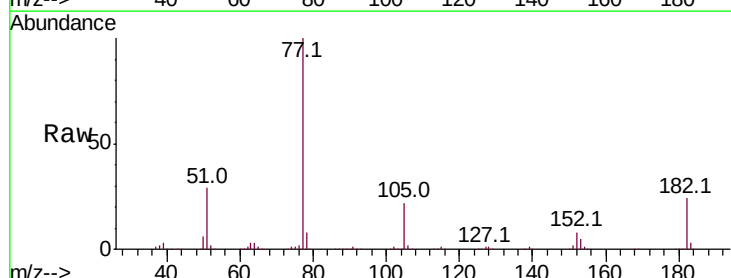
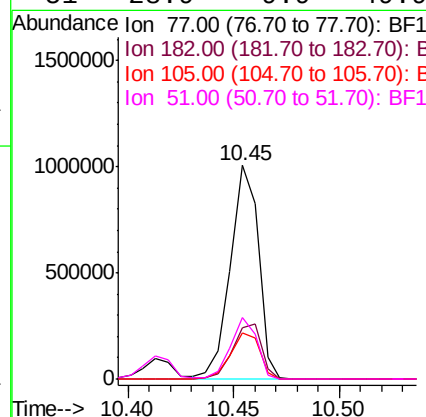
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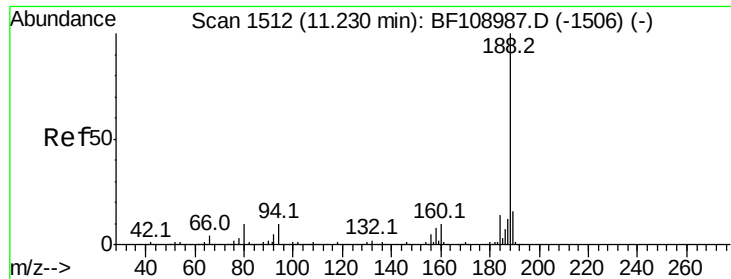
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#62
Azobenzene
Concen: 38.640 ng
RT: 10.45 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.9	1.7	41.7
105	21.8	3.0	43.0
51	28.9	9.9	49.9





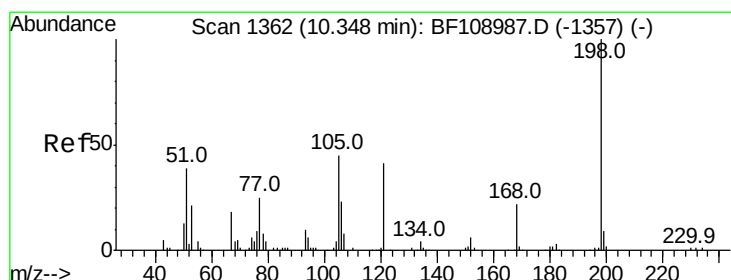
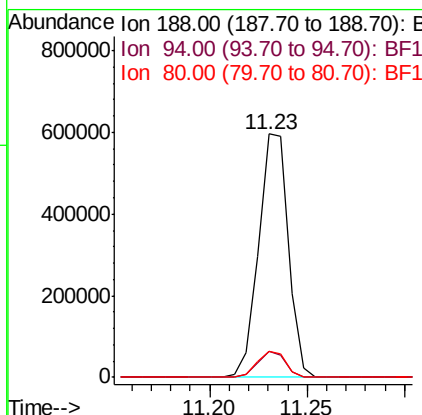
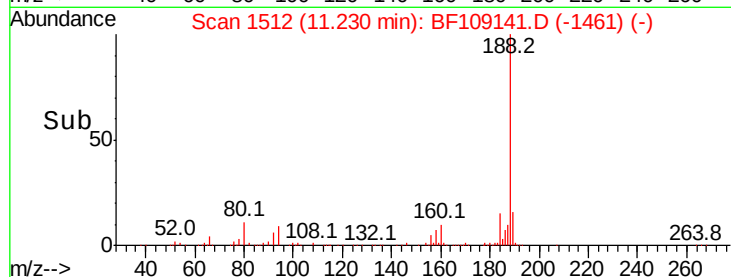
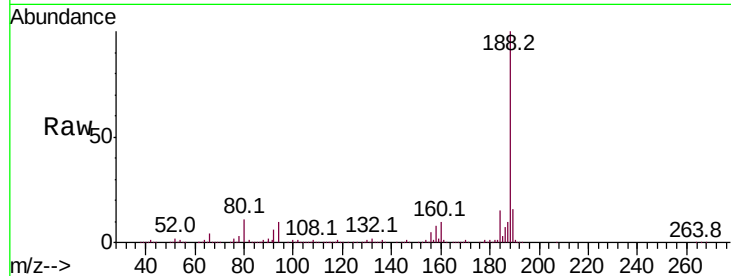
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	630222		
94	10.5		8.5	12.7
80	10.8		9.2	13.8

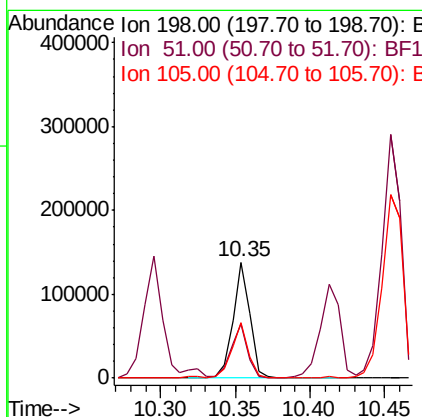
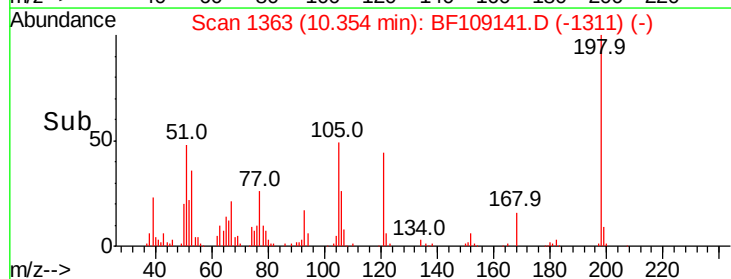
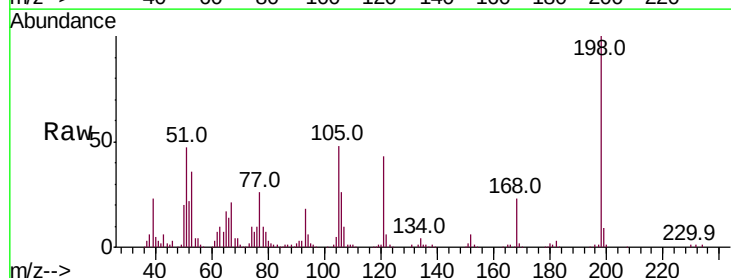
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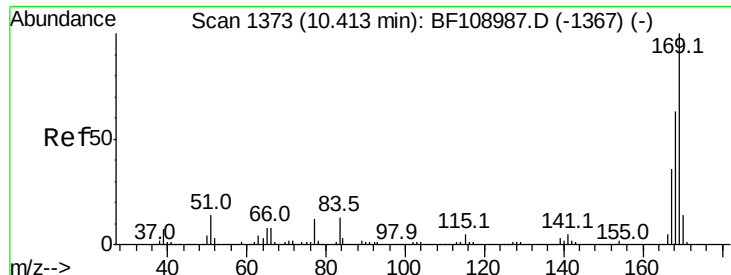
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 37.164 ng
RT: 10.35 min Scan# 1363
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	112061		
51	47.0		37.7	77.7
105	48.2		36.3	76.3





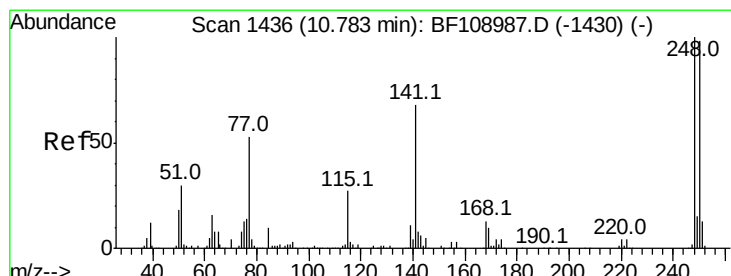
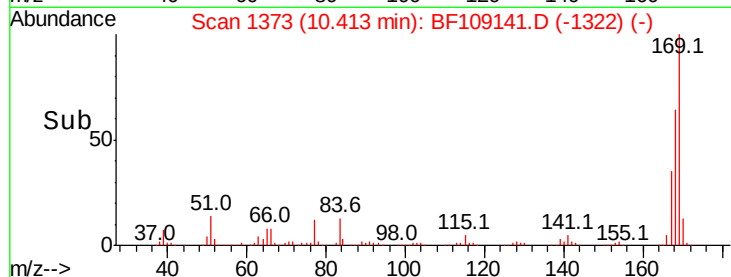
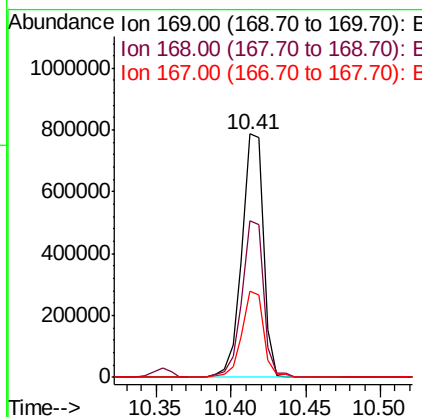
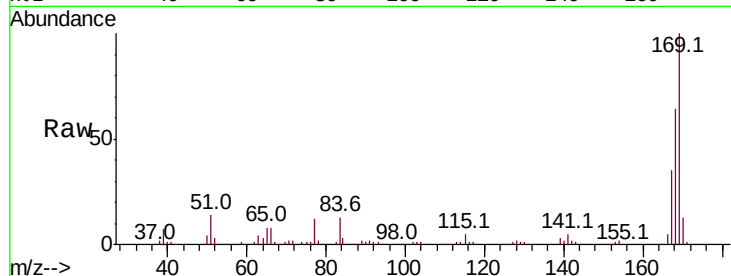
#65
 n-Nitrosodiphenylamine
 Concen: 38.411 ng
 RT: 10.41 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	791852		
168	64.4		54.4	81.6
167	35.3		29.8	44.6

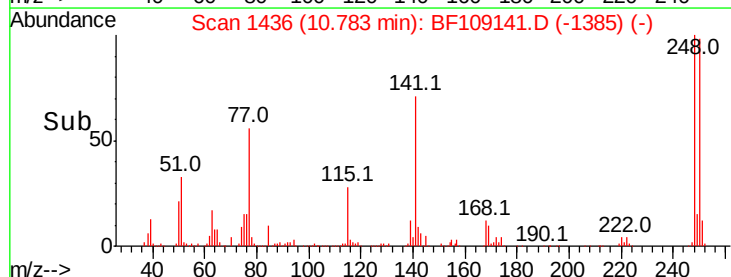
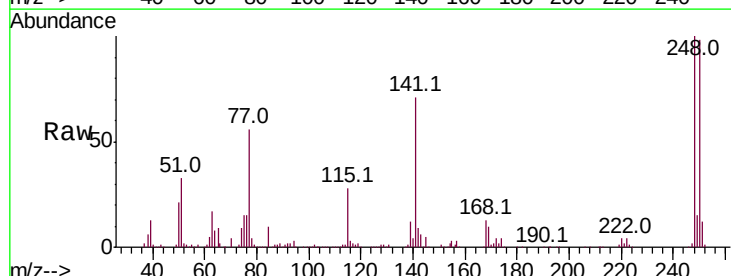
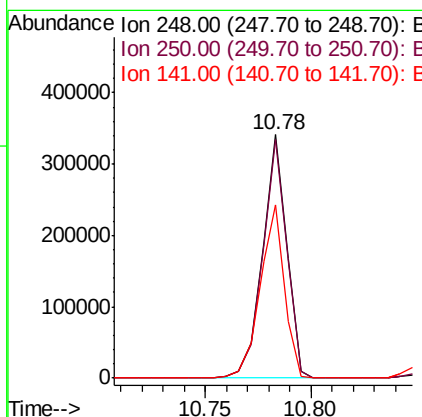
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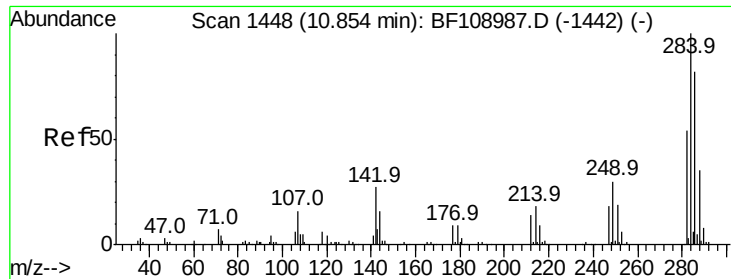
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#66
 4-Bromophenyl-phenylether
 Concen: 38.327 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	272311		
250	97.8		76.9	115.3
141	71.2		74.4	111.6#





#67

Hexachlorobenzene

Concen: 38.244 ng

RT: 10.85 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

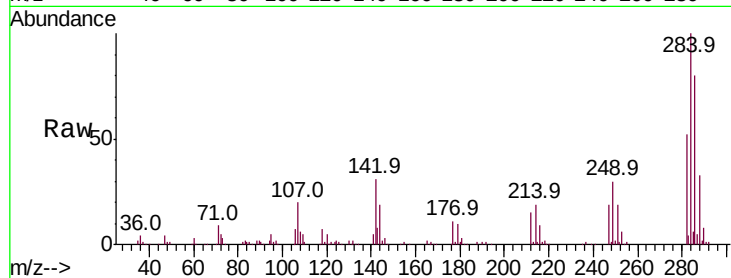
ClientSampleId :

PB112950BS

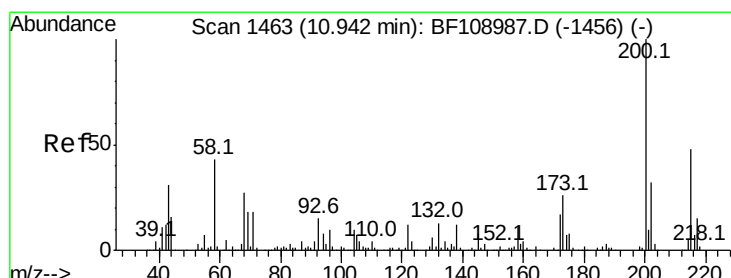
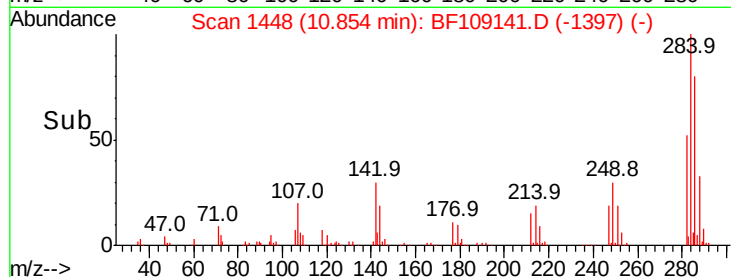
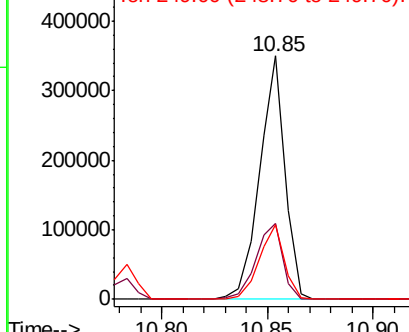
Tot Ion:	284	Resp:	290641
Ion Ratio	Lower	Upper	
284	100		
142	30.9	34.6	52.0#
249	30.5	24.8	37.2

Manual Integrations
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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: 39.080 ng

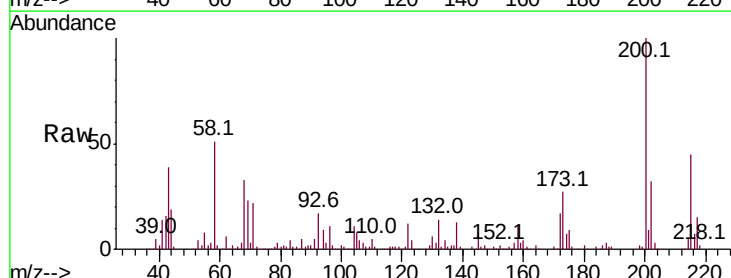
RT: 10.94 min Scan# 1463

Delta R.T. 0.00 min

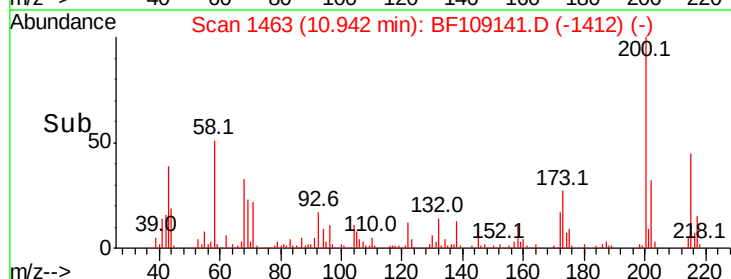
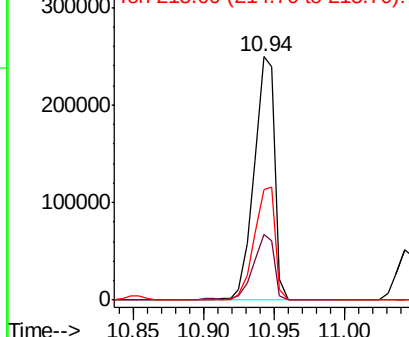
Lab File: BF109141.D

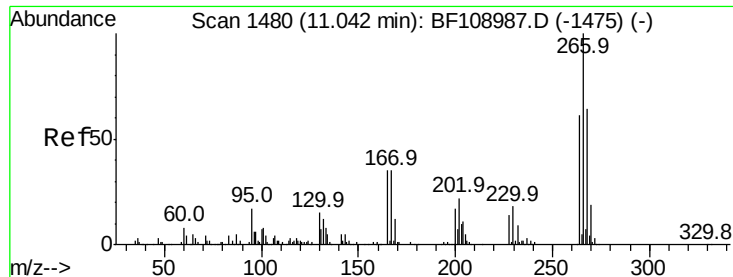
Acq: 19 Sep 2018 14:06

Tgt Ion:	200	Resp:	257894
Ion Ratio	Lower	Upper	
200	100		
173	26.9	8.6	48.6
215	45.4	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





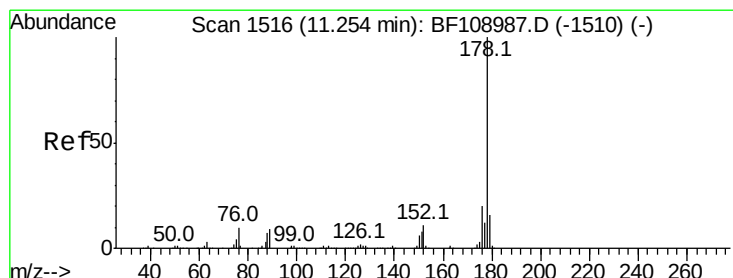
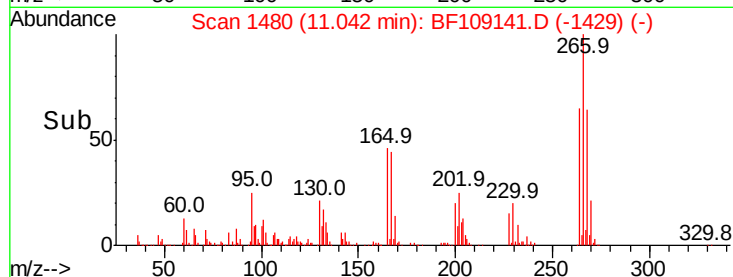
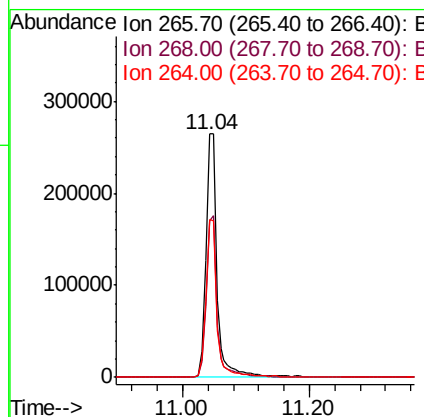
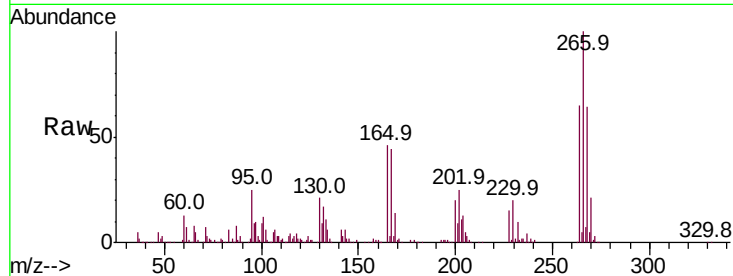
#69
 Pentachlorophenol
 Concen: 65.809 ng
 RT: 11.04 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	319981		
268	64.5		51.1	76.7
264	64.9		49.5	74.3

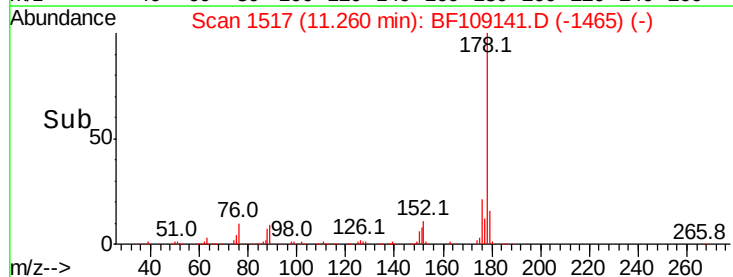
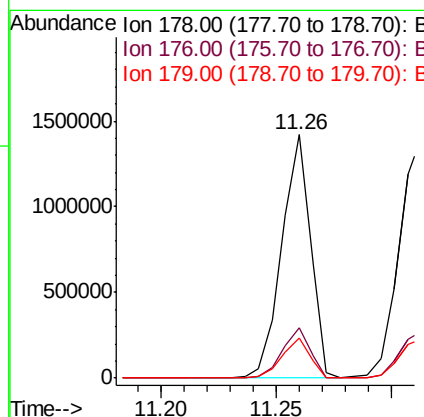
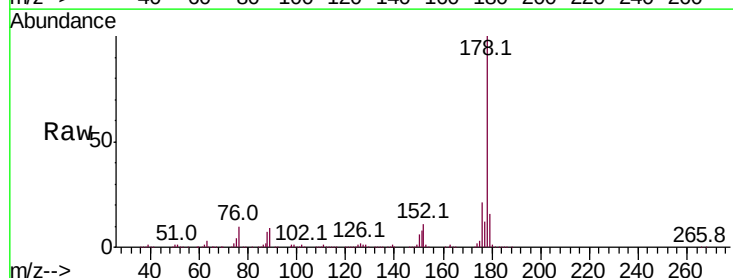
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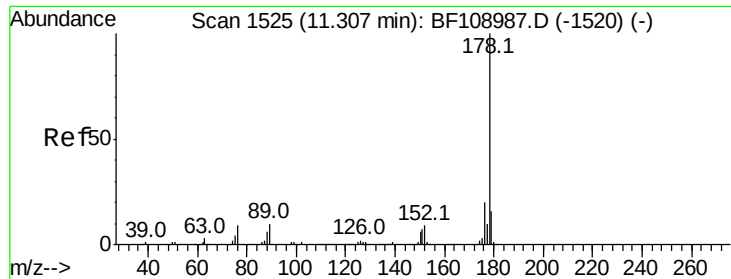
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#70
 Phenanthrene
 Concen: 39.691 ng
 RT: 11.26 min Scan# 1517
 Delta R.T. 0.01 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1226202		
176	20.6		15.8	23.8
179	16.2		13.0	19.6





#71

Anthracene

Concen: 40.726 ng

RT: 11.31 min Scan# 1526

Delta R.T. 0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

ClientSampleId :

PB112950BS

Tot Ion:178 Resp: 1275387

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

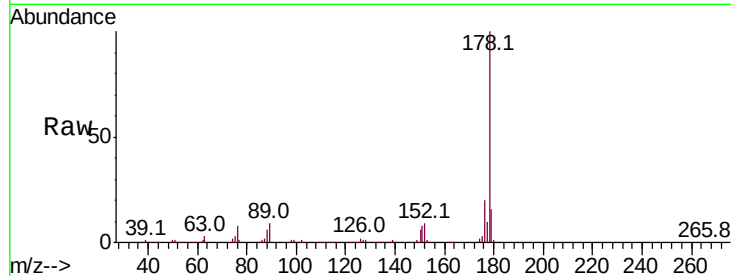
179 16.0 12.6 19.0

Manual Integrations

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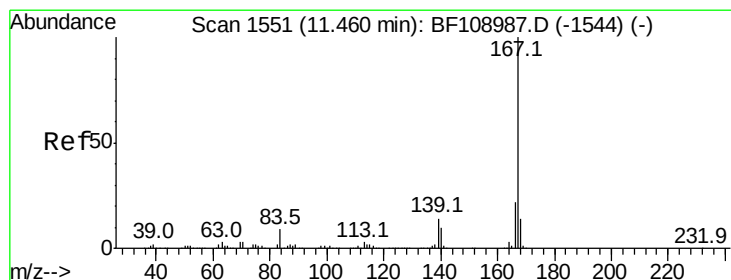
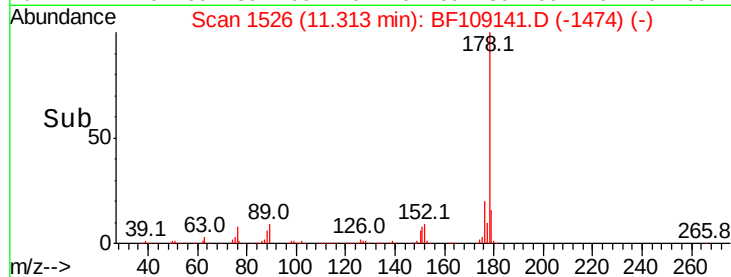
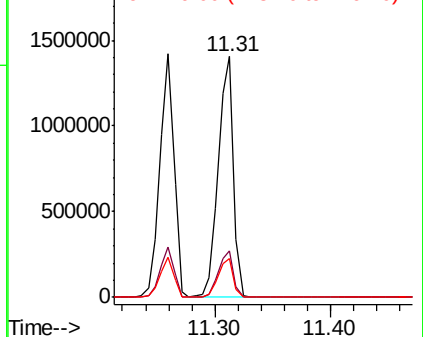
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 37.155 ng

RT: 11.47 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

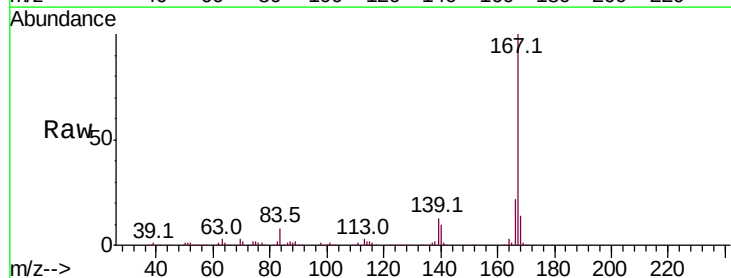
Tgt Ion:167 Resp: 1151819

Ion Ratio Lower Upper

167 100

166 22.1 17.6 26.4

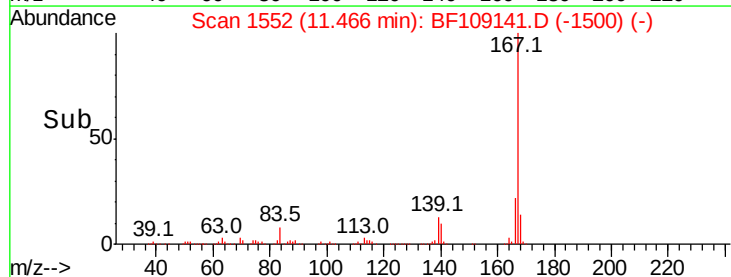
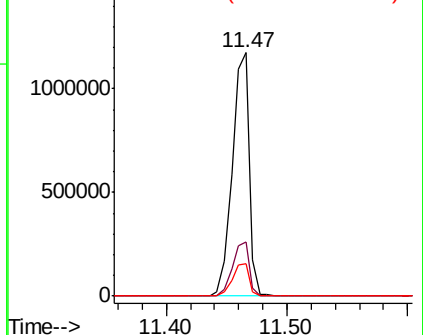
139 13.2 10.9 16.3

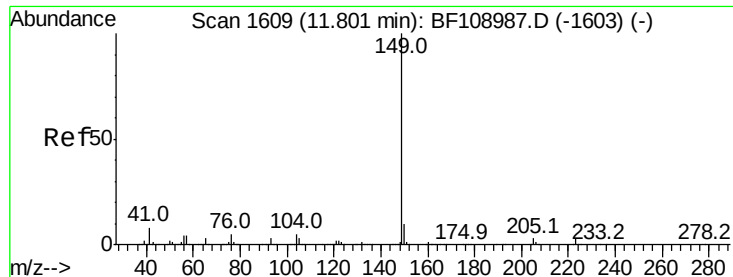


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 38.469 ng

RT: 11.80 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

ClientSampleId :

PB112950BS

Tot Ion:149 Resp: 1396001

Ion Ratio Lower Upper

149 100

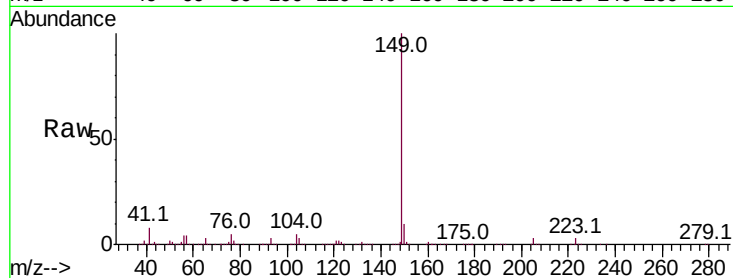
150 9.6 7.8 11.6

104 4.9 3.8 5.8

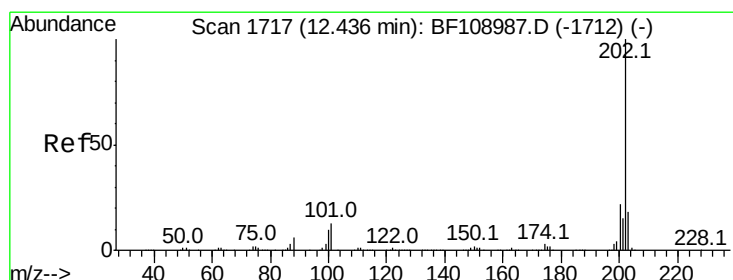
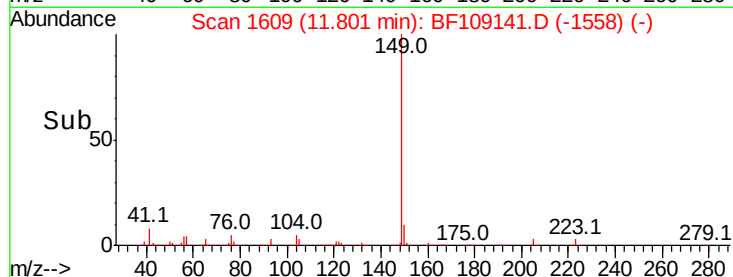
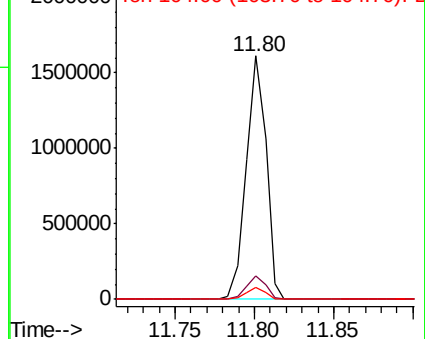
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 40.198 ng

RT: 12.44 min Scan# 1718

Delta R.T. 0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

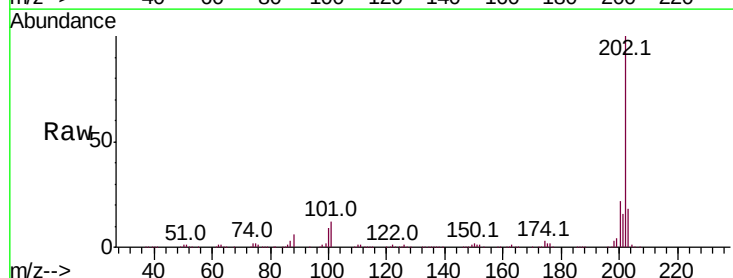
Tgt Ion:202 Resp: 1311045

Ion Ratio Lower Upper

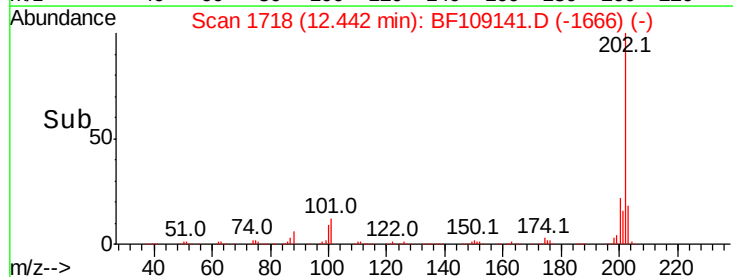
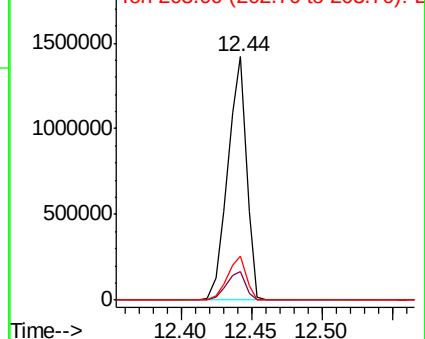
202 100

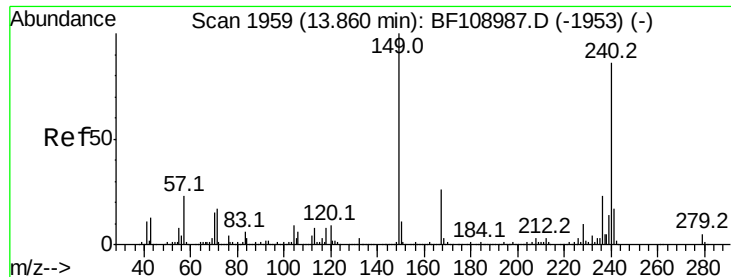
101 11.6 0.0 34.1

203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1960

Delta R.T. 0.01 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

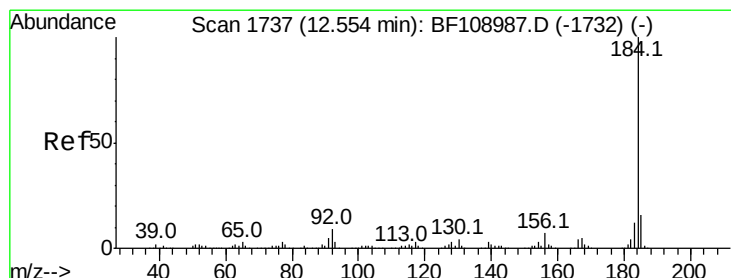
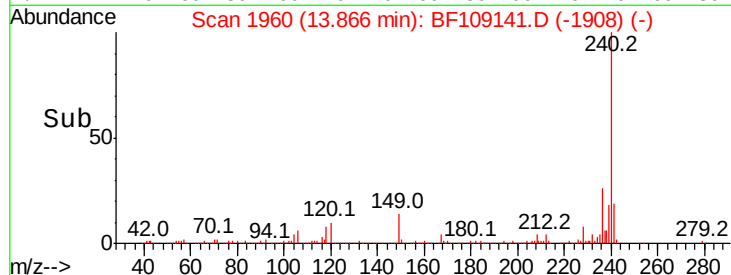
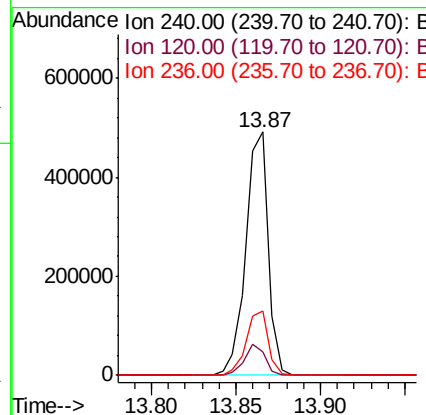
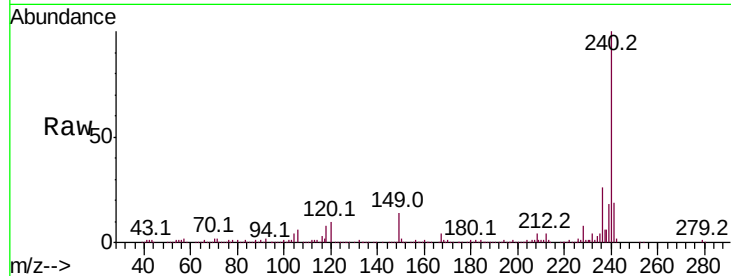
ClientSampleId :

PB112950BS

Tot Ion:	240	Resp:	456383
Ion Ratio	Lower	Upper	
240	100		
120	9.6	9.5	14.3
236	26.2	20.7	31.1

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#76

Benzidine

Concen: 29.708 ng

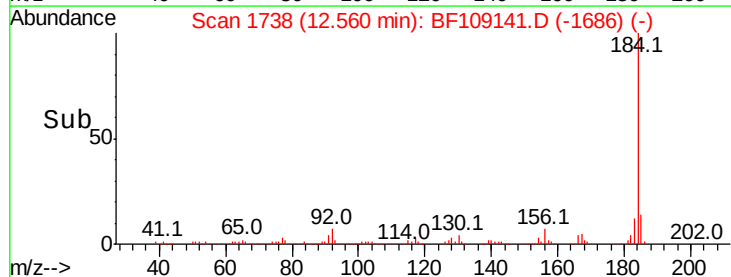
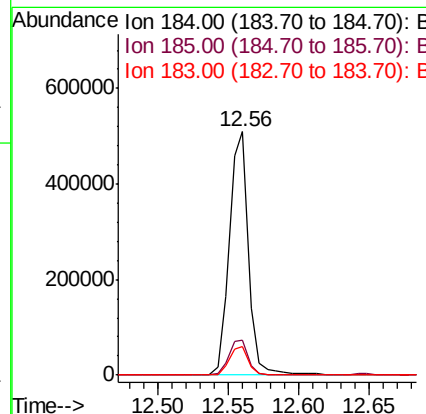
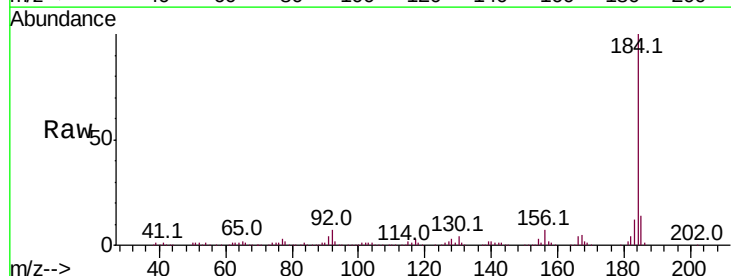
RT: 12.56 min Scan# 1738

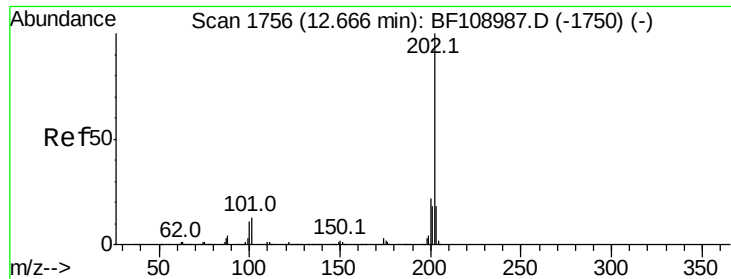
Delta R.T. 0.01 min

Lab File: BF109141.D

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Tgt Ion:	184	Resp:	479941
Ion Ratio	Lower	Upper	
184	100		
185	14.3	12.6	18.8
183	11.8	9.3	13.9





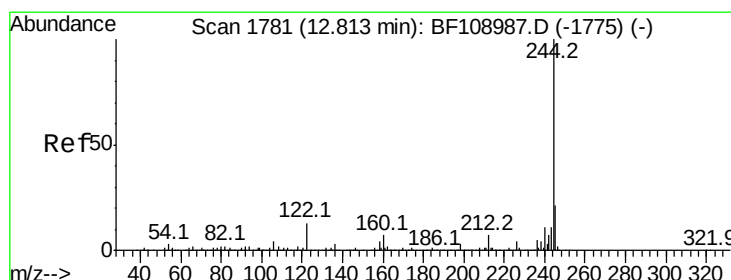
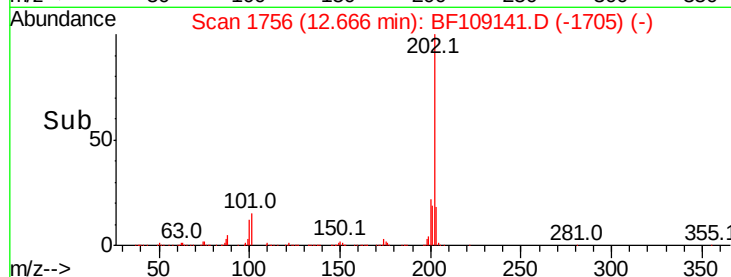
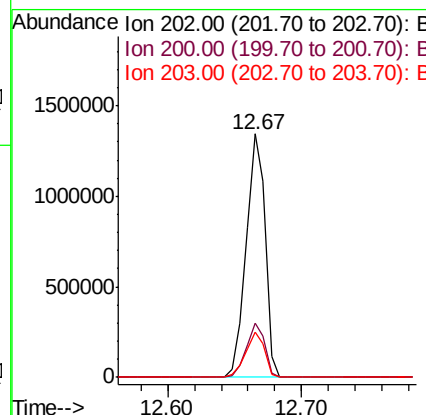
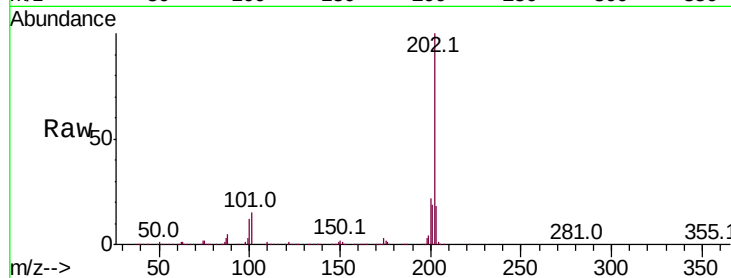
#77
Pvrene
Concen: 38.991 ng
RT: 12.67 min Scan# 1756
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.4	26.2
203	18.5	14.3	21.5

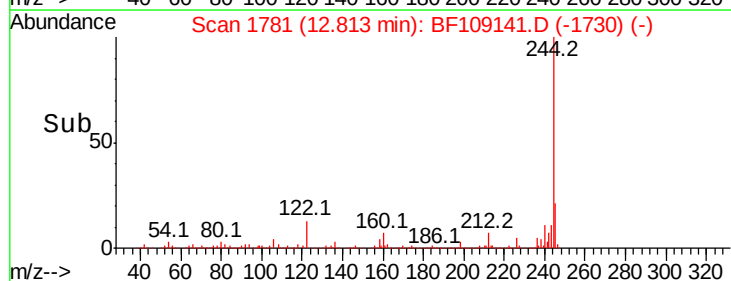
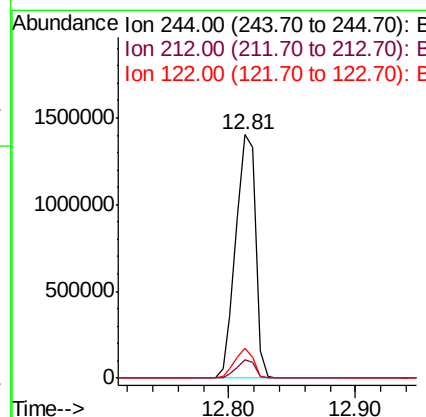
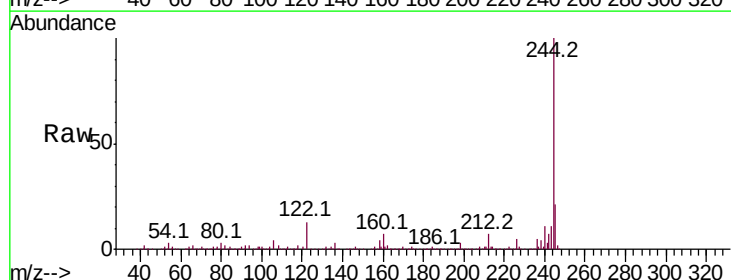
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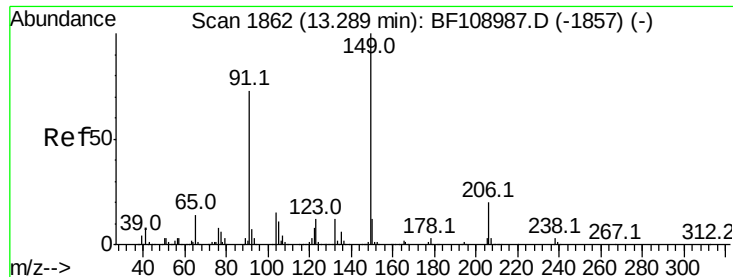
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#78
Terphenyl-d14
Concen: 77.904 ng
RT: 12.81 min Scan# 1781
Delta R.T. 0.00 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	12.5	11.0	16.4





#79

Butylbenzylphthalate

Concen: 39.147 ng

RT: 13.29 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Instrument :

BNA_F

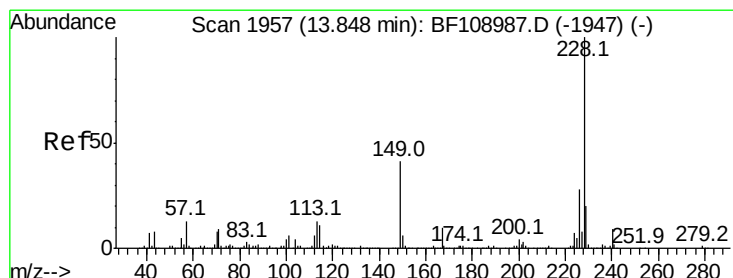
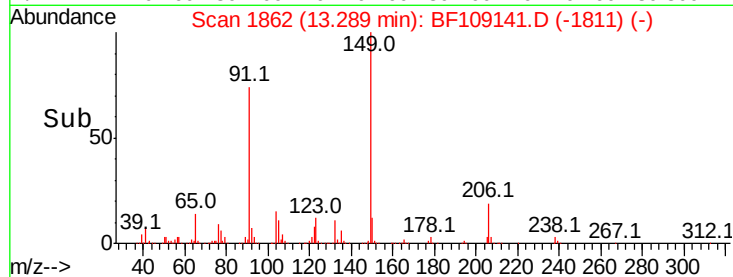
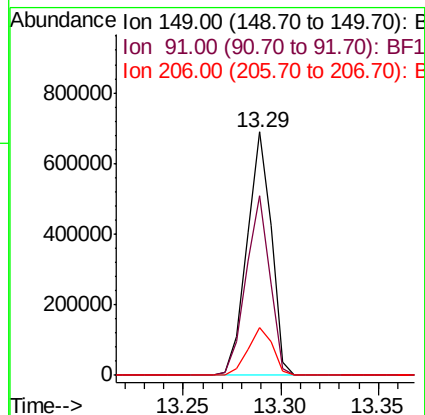
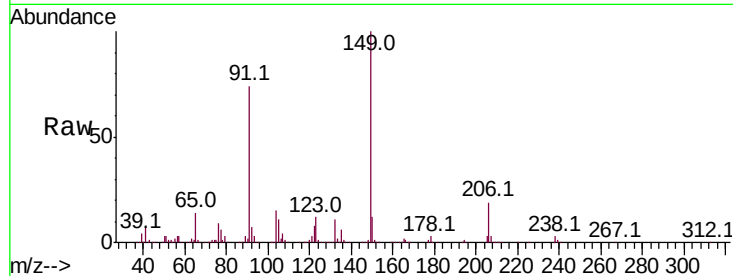
ClientSampleId :

PB112950BS

Tot Ion:	149	Resp:	592723
Ion Ratio	Lower	Upper	
149	100		
91	73.6	56.8	85.2
206	19.5	14.1	21.1

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#80

Benzo(a)anthracene

Concen: 39.719 ng

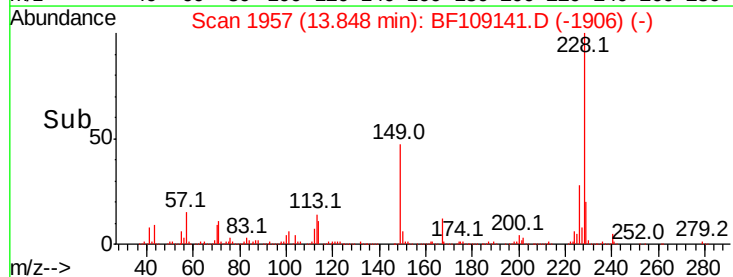
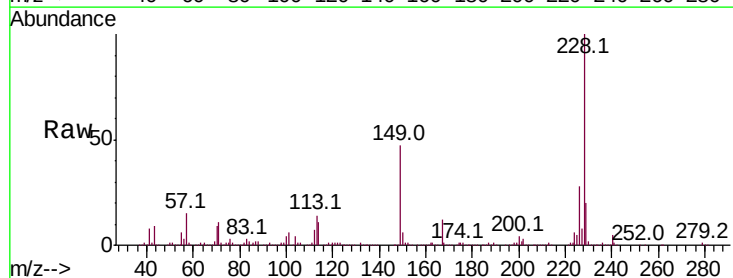
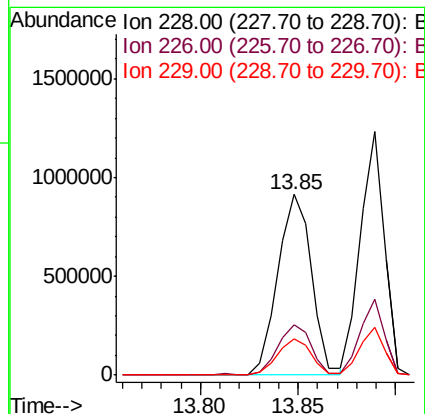
RT: 13.85 min Scan# 1957

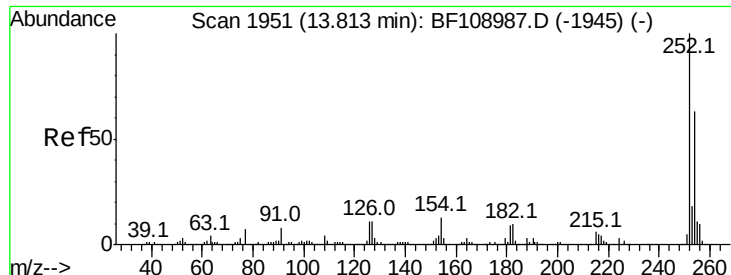
Delta R.T. 0.00 min

Lab File: BF109141.D

Acq: 19 Sep 2018 14:06

Tgt Ion:	228	Resp:	1097468
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	33.8
229	20.1	15.8	23.6





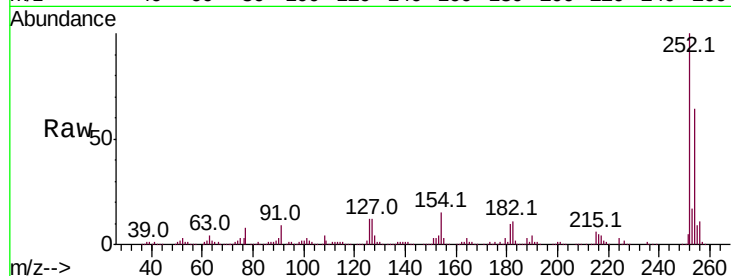
#81
 3,3'-Dichlorobenzidine
 Concen: 31.241 ng
 RT: 13.81 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.4	75.6
126	12.5	11.3	16.9

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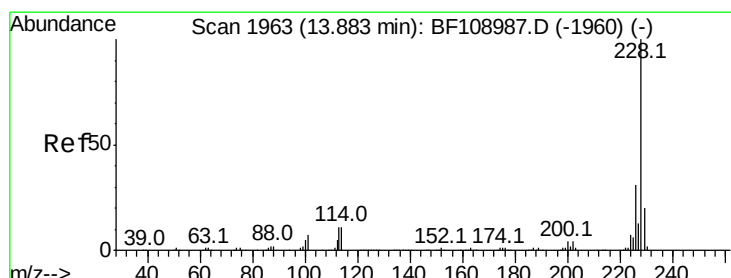
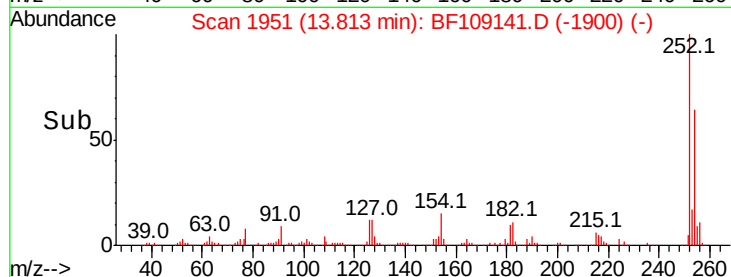
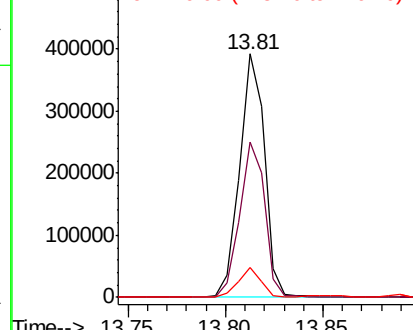


Abundance

Ion 252.00 (251.70 to 252.70): E

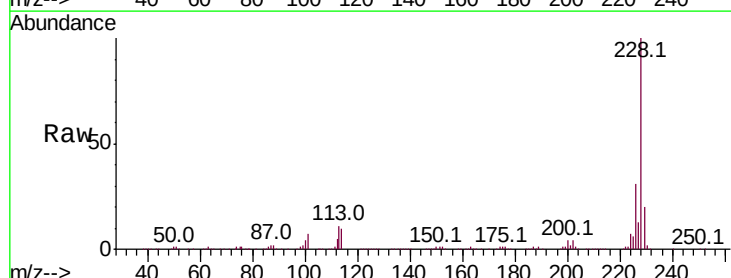
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
 Chrysene
 Concen: 38.384 ng
 RT: 13.89 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	19.7	16.2	24.4

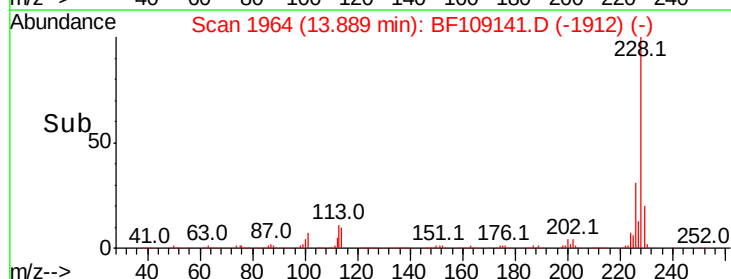
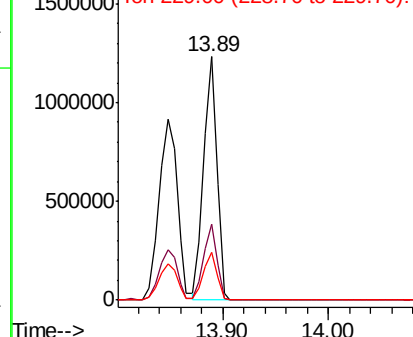


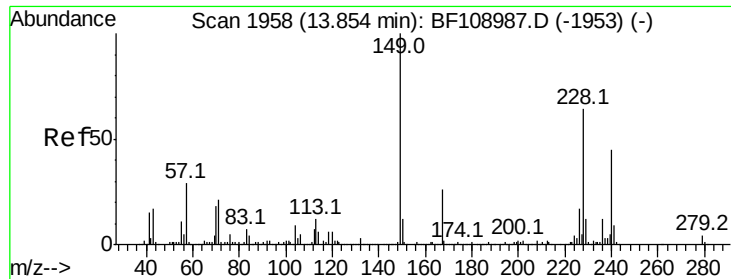
Abundance

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





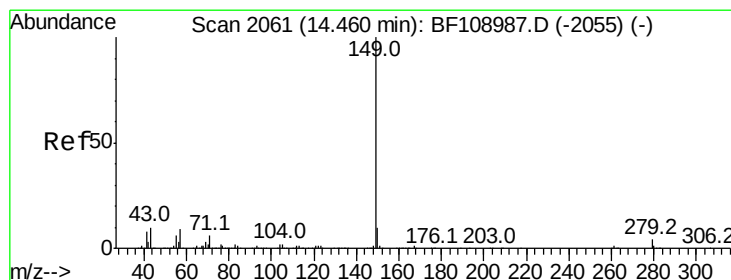
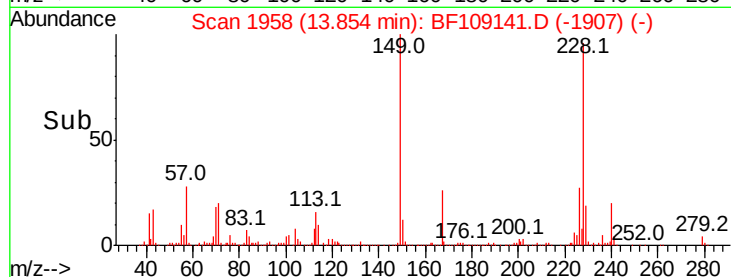
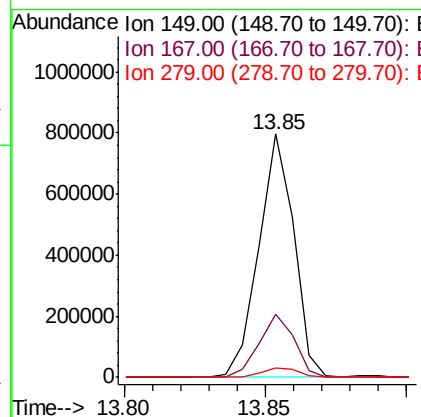
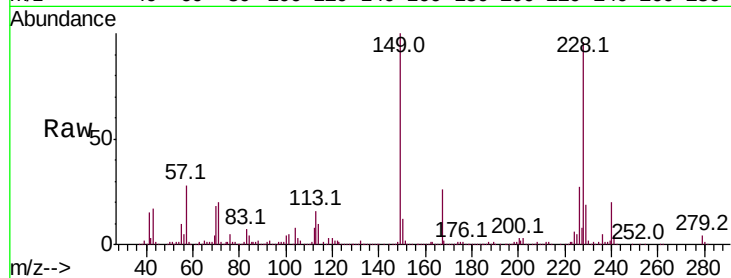
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 37.474 ng
 RT: 13.85 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	687003		
167	25.9		21.3	31.9
279	3.7		3.0	4.4

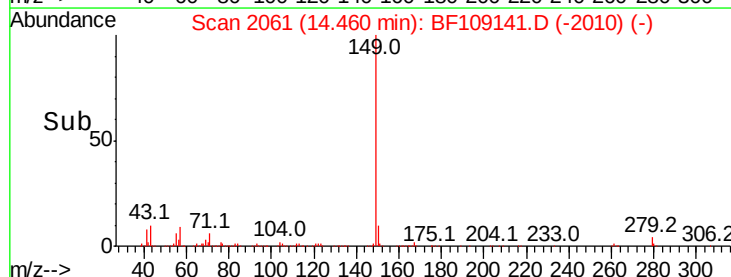
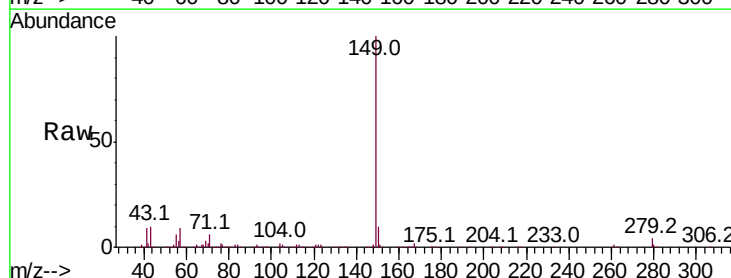
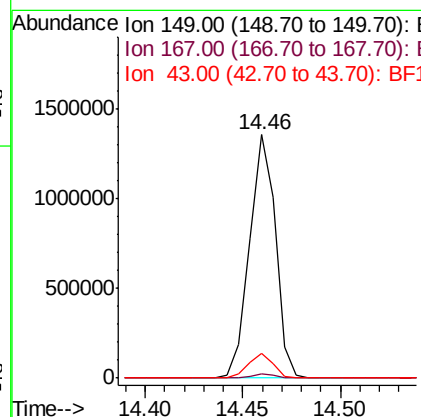
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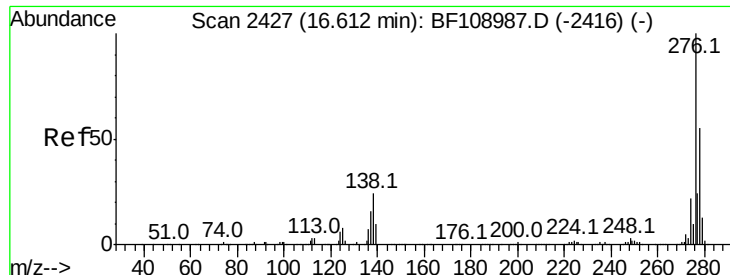
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#84
 Di-n-octyl phthalate
 Concen: 40.221 ng
 RT: 14.46 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1250552		
167	1.5		1.2	1.8
43	9.8		8.4	12.6





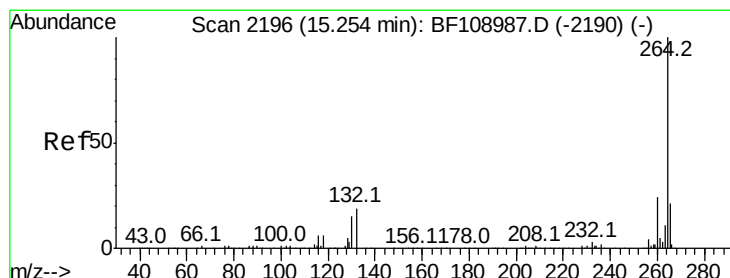
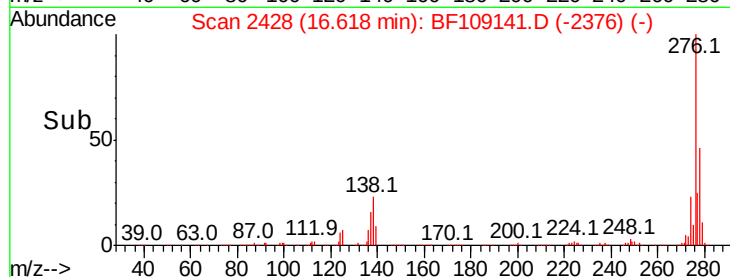
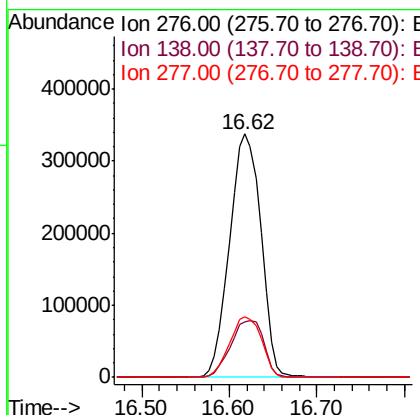
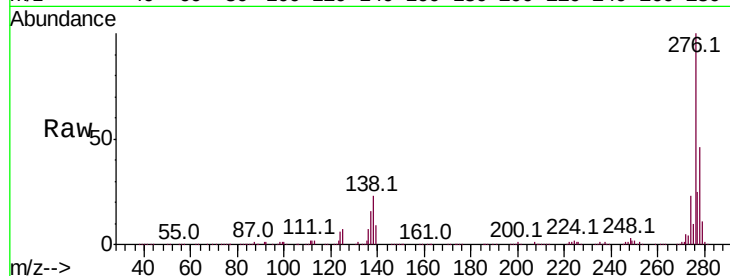
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 37.252 ng
 RT: 16.62 min Scan# 2428
 Delta R.T. 0.01 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.6	25.0	37.6#
277	25.5	20.1	30.1

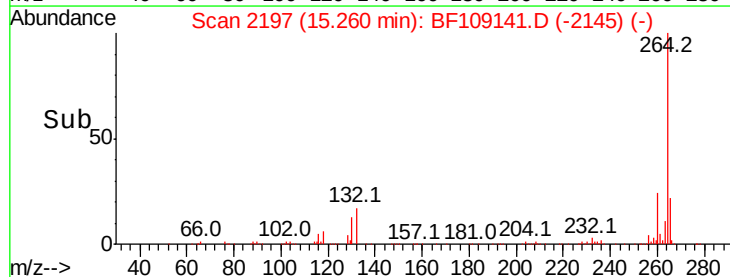
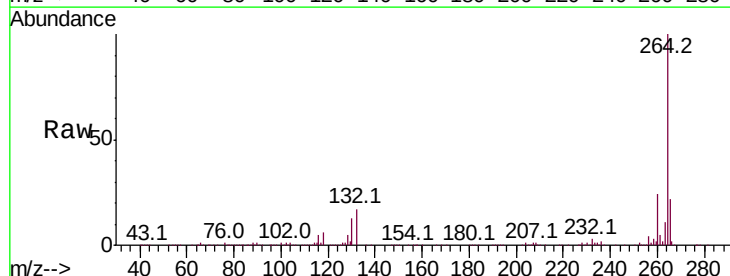
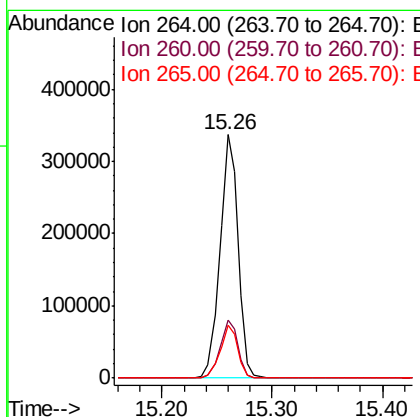
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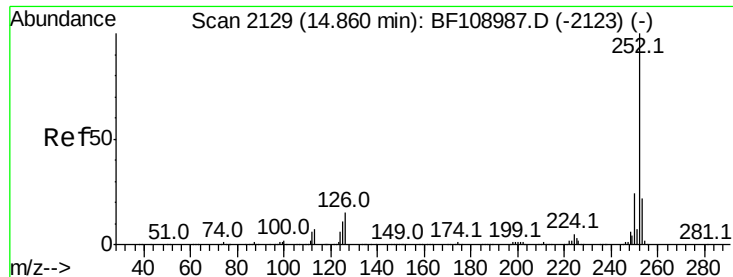
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.5	17.5	26.3





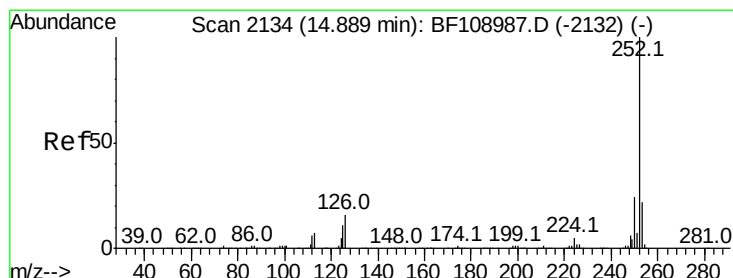
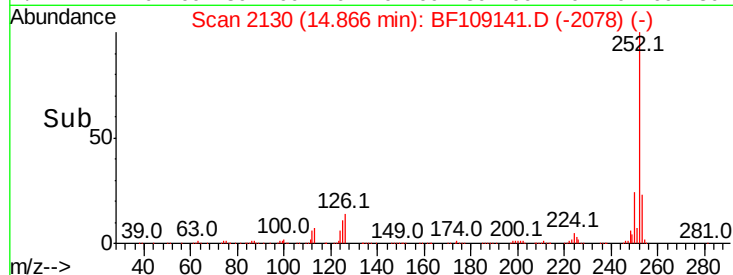
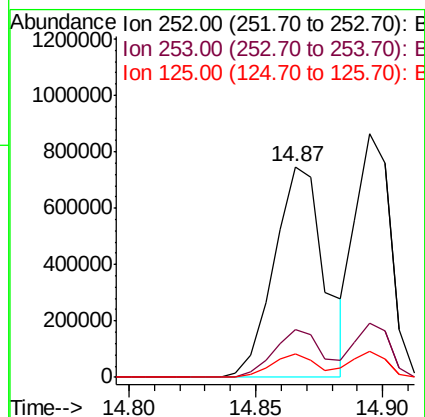
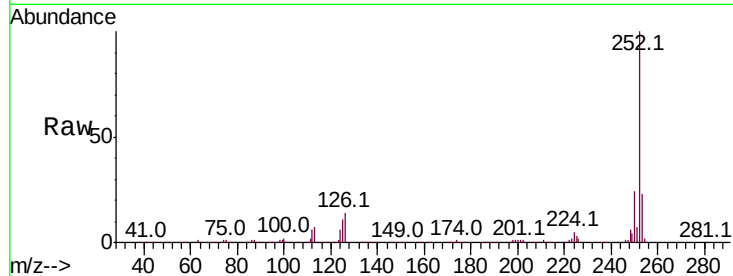
#87
Benzo(b)fluoranthene
Concen: 48.502 ng
RT: 14.87 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	11.0	9.0	13.6

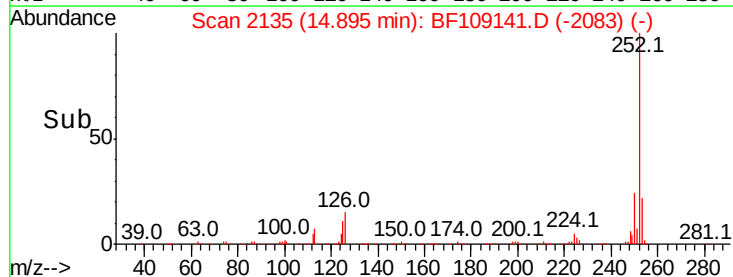
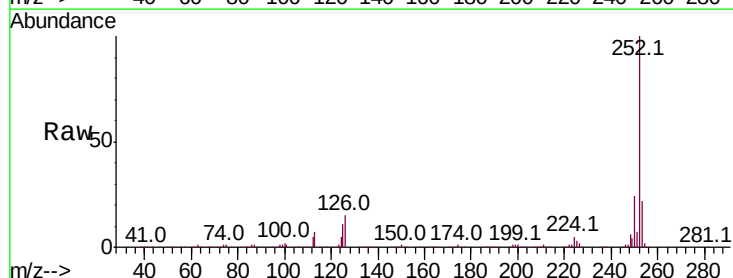
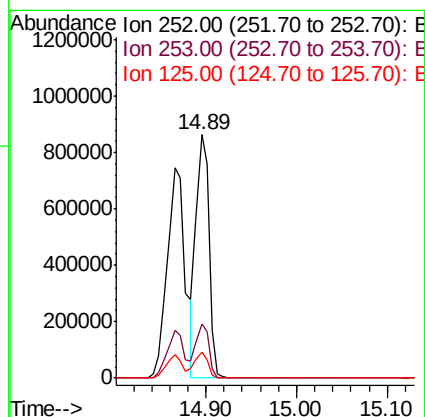
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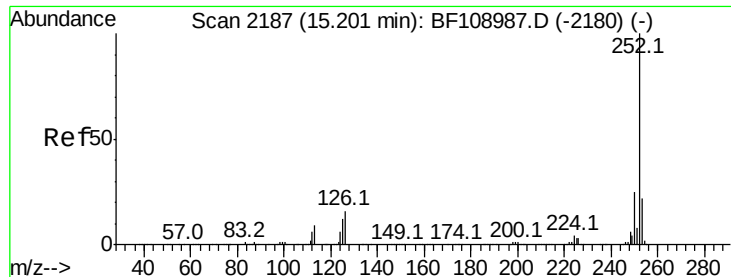
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#88
Benzo(k)fluoranthene
Concen: 42.472 ng
RT: 14.89 min Scan# 2135
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	10.9	10.2	15.2





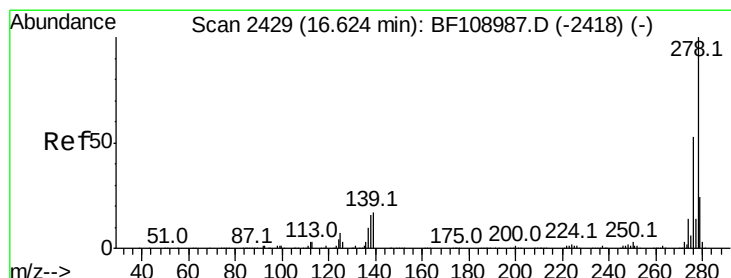
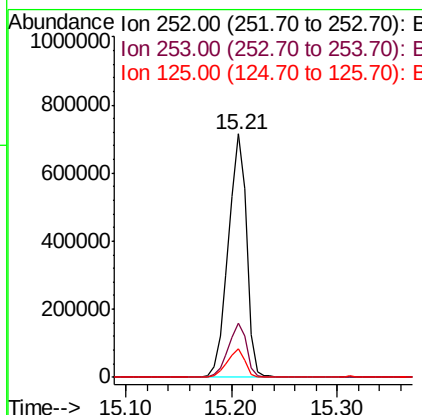
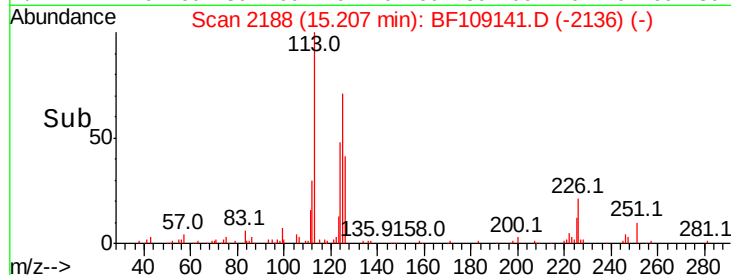
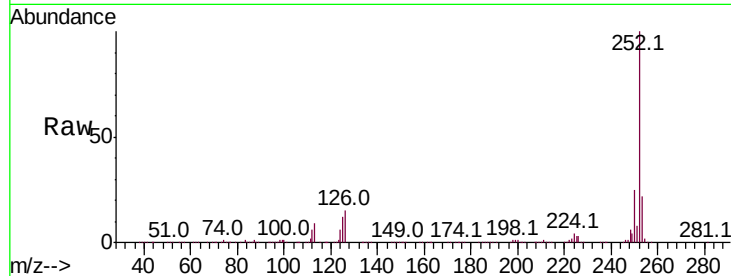
#89
Benzo(a)pyrene
Concen: 45.307 ng
RT: 15.21 min Scan# 2188
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Instrument :
BNA_F
ClientSampleId :
PB112950BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	11.7	9.8	14.6

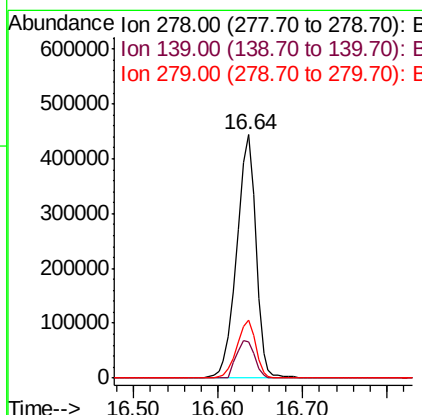
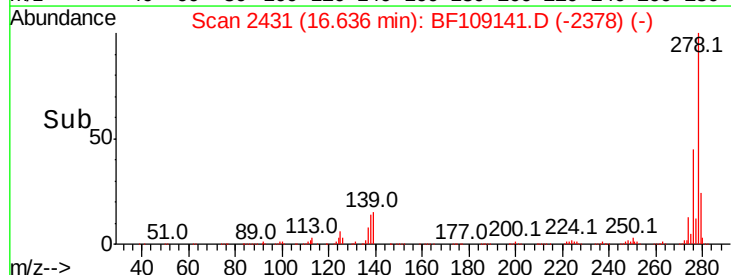
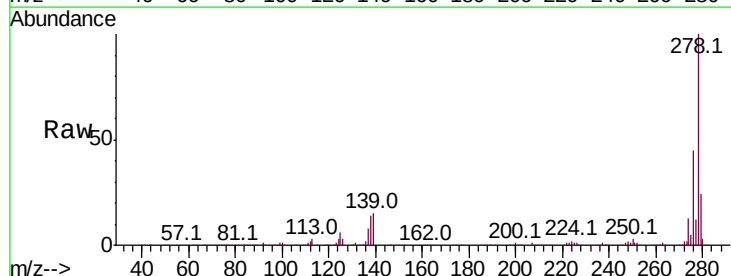
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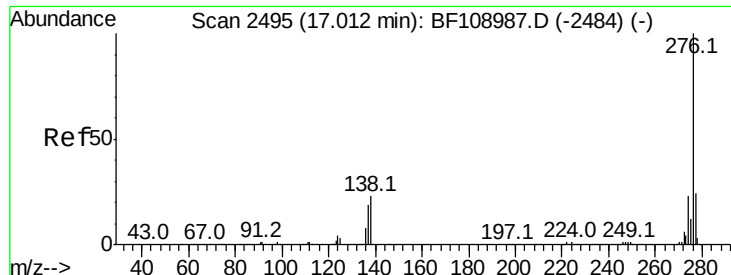
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#90
Dibenzo(a,h)anthracene
Concen: 43.576 ng
RT: 16.64 min Scan# 2431
Delta R.T. 0.01 min
Lab File: BF109141.D
Acq: 19 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.1	15.9	23.9#
279	23.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 44.631 ng
 RT: 17.03 min Scan# 2498
 Delta R.T. 0.02 min
 Lab File: BF109141.D
 Acq: 19 Sep 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 PB112950BS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.3	17.9	26.9
138	20.3	21.8	32.8

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