

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120718\
 Data File : BF111216.D
 Acq On : 8 Dec 2018 5:13
 Operator : JU/SJ
 Sample : PB115436BS
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB115436BS

Manual Integrations
 APPROVED

Sohil
 12/11/2018 8:44:57 AM

Quant Time: Dec 08 05:44:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	468808	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1828352	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	805309	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1178154	20.00	ng	0.00
76) Chrysene-d12	13.96	240	872703	20.00	ng	0.01
87) Perylene-d12	15.39	264	710991	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	3006911	100.09	ng	0.01
7) Phenol-d6	6.44	99	3817273	98.64	ng	0.00
23) Nitrobenzene-d5	7.37	82	2418943	78.33	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	667831	104.33	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	3701424	85.10	ng	0.00
79) Terphenyl-d14	12.91	244	2711715	63.64	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.58	88	453385	26.236	ng	97
3) Pyridine	3.32	79	1304879	34.047	ng	90
4) n-Nitrosodimethylamine	3.25	42	634102	33.603	ng	82
6) Aniline	6.46	93	531747	10.284	ng	100
8) 2-Chlorophenol	6.59	128	1170788	33.810	ng	97
9) Benzaldehyde	6.35	77	540928	22.663	ng	99
10) Phenol	6.45	94	1417785	33.599	ng	97
11) bis(2-Chloroethyl)ether	6.54	93	1158889	33.602	ng	98
12) 1,3-Dichlorobenzene	6.75	146	1190755	32.333	ng	95
13) 1,4-Dichlorobenzene	6.82	146	1217974	32.864	ng	98
14) 1,2-Dichlorobenzene	6.98	146	1139022	33.039	ng	99
15) Benzyl Alcohol	6.95	79	1011335	32.981	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.09	45	2134563	31.817	ng	98
17) 2-Methylphenol	7.06	107	975340	34.312	ng	99
18) Hexachloroethane	7.32	117	428906	30.850	ng	93
19) n-Nitroso-di-n-propylamine	7.22	70	817745	31.442	ng	90
20) 3+4-Methylphenols	7.21	107	1162486	33.531	ng	93
22) Acetophenone	7.22	105	1513901	34.264	ng	# 99
24) Nitrobenzene	7.39	77	1218752	36.683	ng	99
25) Isophorone	7.63	82	2183266	38.522	ng	99
26) 2-Nitrophenol	7.70	139	578113	41.181	ng	89
27) 2,4-Dimethylphenol	7.74	122	1053487	39.847	ng	99
28) bis(2-Chloroethoxy)methane	7.84	93	1417590	36.947	ng	99
29) 2,4-Dichlorophenol	7.95	162	923144	35.467	ng	98
30) 1,2,4-Trichlorobenzene	8.03	180	911310	34.688	ng	97
31) Naphthalene	8.11	128	3144675	39.504	ng	98
32) Benzoic acid	7.84	122	620677m	35.601	ng	
33) 4-Chloroaniline	8.15	127	172369	4.479	ng	97
34) Hexachlorobutadiene	8.23	225	475295	33.291	ng	99
35) Caprolactam	8.52	113	311817	32.629	ng	89
36) 4-Chloro-3-methylphenol	8.64	107	973598	34.150	ng	96
37) 2-Methylnaphthalene	8.80	142	2112573	38.473	ng	97
38) 1-Methylnaphthalene	8.90	142	1969361	37.304	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	789338	36.776	ng	98

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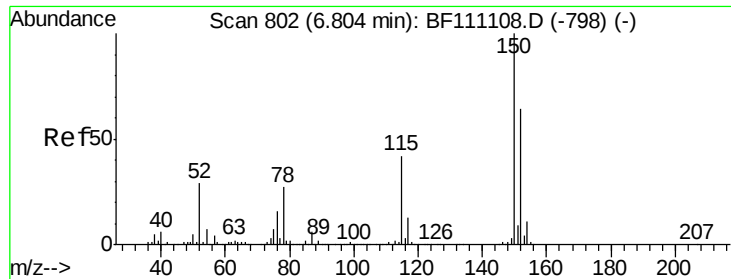
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	341495	30.175	ng	99
43) 2,4,6-Trichlorophenol	9.08	196	579783	36.986	ng	98
44) 2,4,5-Trichlorophenol	9.12	196	604096	38.016	ng	98
46) 1,1'-Biphenyl	9.27	154	2327848	35.311	ng	97
47) 2-Chloronaphthalene	9.29	162	1832452	35.771	ng	95
48) 2-Nitroaniline	9.38	65	630464	37.976	ng	86
49) Acenaphthylene	9.70	152	2844369	39.723	ng	98
50) Dimethylphthalate	9.56	163	2122962	37.879	ng	99
51) 2,6-Dinitrotoluene	9.62	165	466054	39.221	ng	99
52) Acenaphthene	9.87	154	1717668	36.310	ng	99
53) 3-Nitroaniline	9.78	138	223934	15.003	ng	99
54) 2,4-Dinitrophenol	9.89	184	123282	36.645	ng	# 42
55) Dibenzofuran	10.05	168	2456227	37.697	ng	94
56) 4-Nitrophenol	9.95	139	726103	64.556	ng	90
57) 2,4-Dinitrotoluene	10.02	165	605035	39.425	ng	96
58) Fluorene	10.39	166	1749183	38.069	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.16	232	447697	37.748	ng	96
60) Diethylphthalate	10.26	149	2026904	36.188	ng	99
61) 4-Chlorophenyl-phenylether	10.38	204	816951	36.079	ng	97
62) 4-Nitroaniline	10.39	138	346230	25.701	ng	93
63) Azobenzene	10.55	77	2089064	35.033	ng	92
65) 4,6-Dinitro-2-methylphenol	10.43	198	104147	21.397	ng	93
66) n-Nitrosodiphenylamine	10.50	169	1654257	40.100	ng	98
67) 4-Bromophenyl-phenylether	10.87	248	497344	39.879	ng	96
68) Hexachlorobenzene	10.94	284	477072	37.410	ng	97
69) Atrazine	11.03	200	498138	Below Cal		98
70) Pentachlorophenol	11.13	266	520106	62.020	ng	98
71) Phenanthrene	11.35	178	2290535	40.418	ng	96
72) Anthracene	11.40	178	2336977	40.910	ng	98
73) Carbazole	11.55	167	2091790	35.192	ng	96
74) Di-n-butylphthalate	11.89	149	2835698	40.755	ng	98
75) Fluoranthene	12.53	202	2113859	38.119	ng	99
77) Benzidine	12.65	184	1130285	Below Cal		99
78) Pyrene	12.76	202	2156764	31.722	ng	97
80) Butylbenzylphthalate	13.39	149	1078048	32.822	ng	95
81) Benzo(a)anthracene	13.95	228	1880120	36.770	ng	98
82) 3,3'-Dichlorobenzidine	13.91	252	543694	28.176	ng	96
83) Chrysene	13.99	228	1865310	36.747	ng	98
84) Bis(2-ethylhexyl)phthalate	13.95	149	1335277	33.657	ng	97
85) Di-n-octyl phthalate	14.56	149	2662490	42.690	ng	95
86) Indeno(1,2,3-cd)pyrene	16.80	276	1230312	30.188	ng	# 83
88) Benzo(b)fluoranthene	14.98	252	1852755	45.988	ng	97
89) Benzo(k)fluoranthene	15.01	252	1539015	39.515	ng	98
90) Benzo(a)pyrene	15.33	252	1487053	40.241	ng	100
91) Dibenzo(a,h)anthracene	16.82	278	1036132	33.412	ng	98
92) Benzo(g,h,i)perylene	17.23	276	1019400	32.712	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

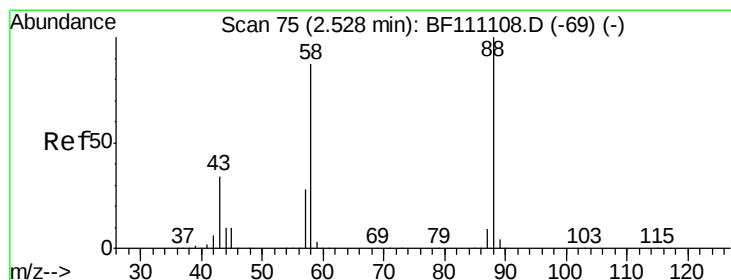
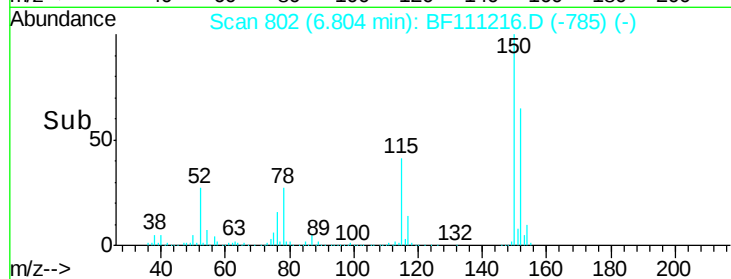
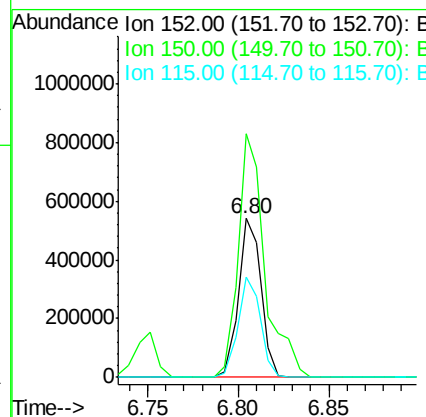
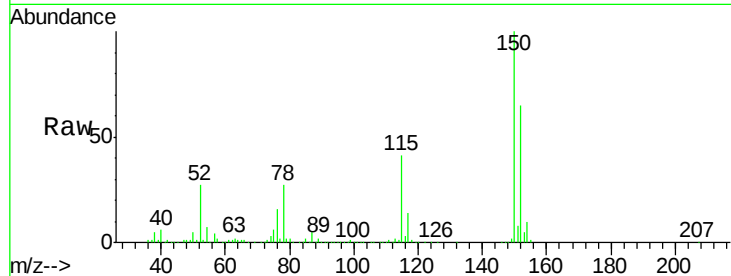
ClientSampled :

PB115436BS

Tgt Ion:	152	Resp:	468808
Ion Ratio	Lower	Upper	
152	100		
150	153.5	124.6	187.0
115	63.0	52.2	78.2

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#2

1,4-Dioxane

Concen: 26.236 ng

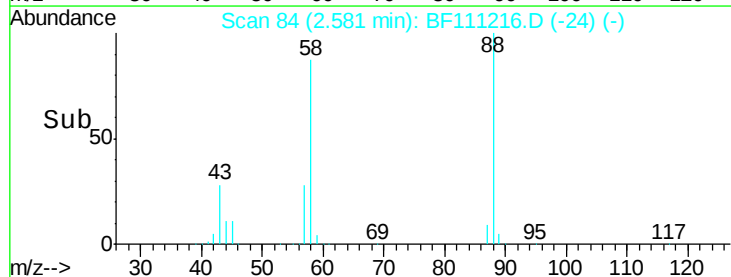
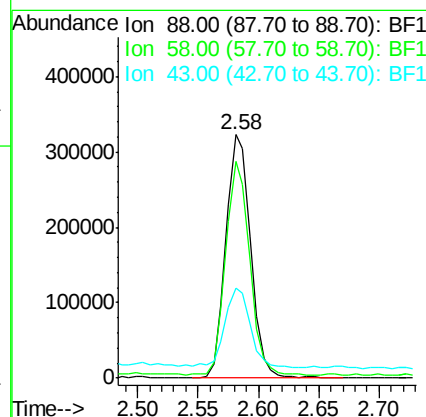
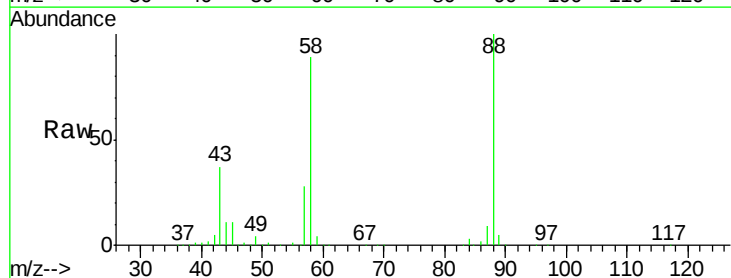
RT: 2.58 min Scan# 84

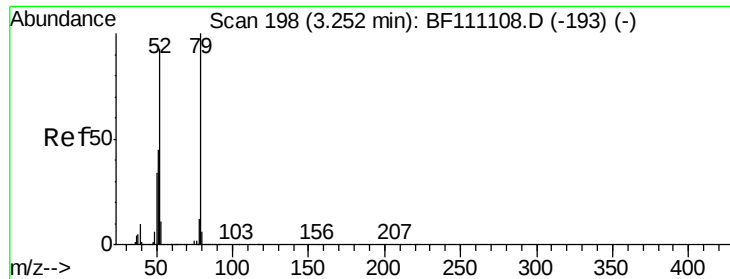
Delta R.T. 0.05 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Tgt Ion:	88	Resp:	453385
Ion Ratio	Lower	Upper	
88	100		
58	85.0	70.8	106.2
43	34.0	28.3	42.5





#3

Pyridine

Concen: 34.047 ng

RT: 3.32 min Scan# 209

Delta R.T. 0.06 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

ClientSampleId :

PB115436BS

Tgt Ion: 79 Resp: 1304879

Ion Ratio Lower Upper

79 100

52 82.6 74.7 112.1

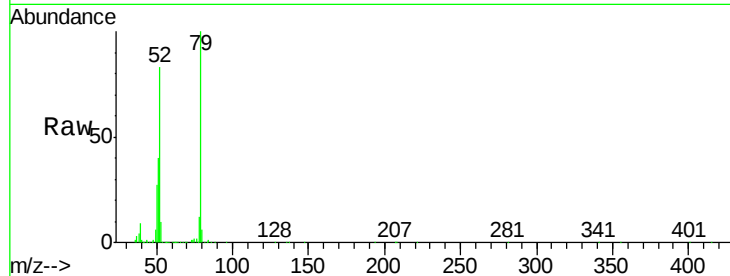
51 40.0 35.9 53.9

Manual Integrations

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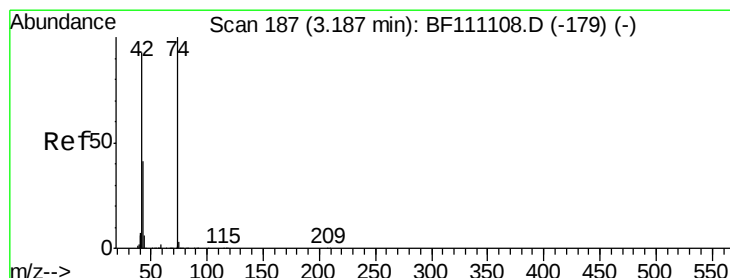
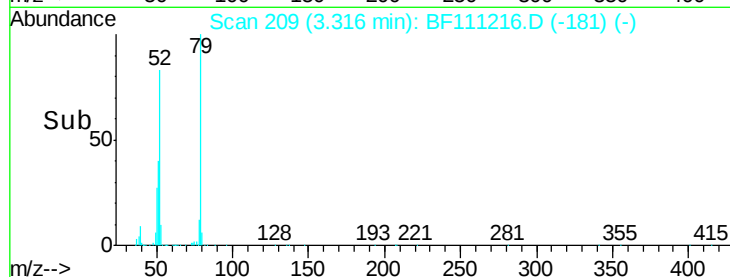
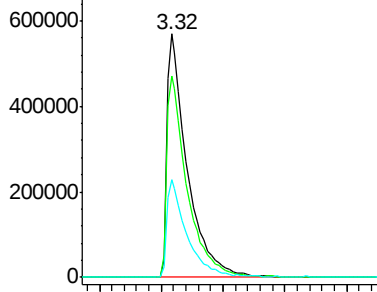
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 33.603 ng

RT: 3.25 min Scan# 197

Delta R.T. 0.06 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

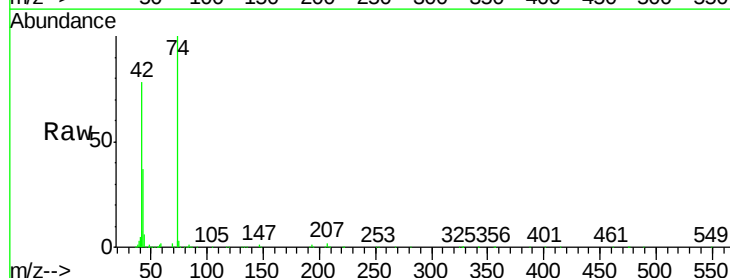
Tgt Ion: 42 Resp: 634102

Ion Ratio Lower Upper

42 100

74 128.1 86.2 129.2

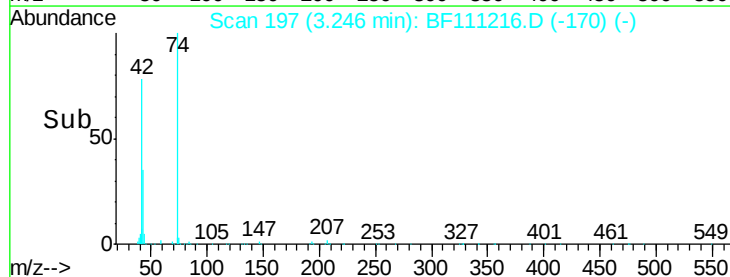
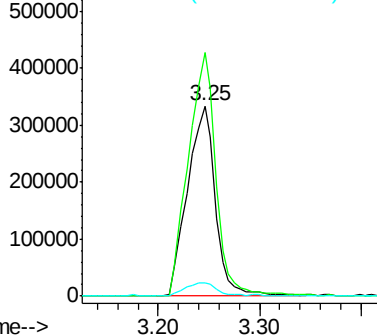
44 7.2 5.7 8.5

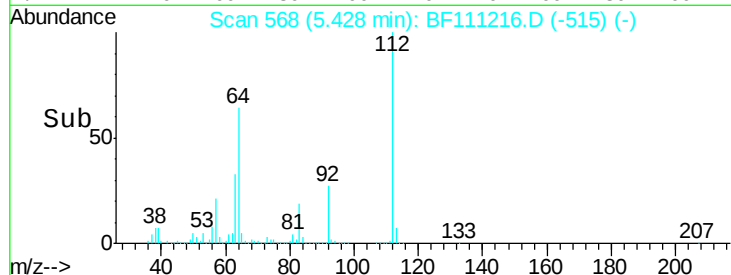
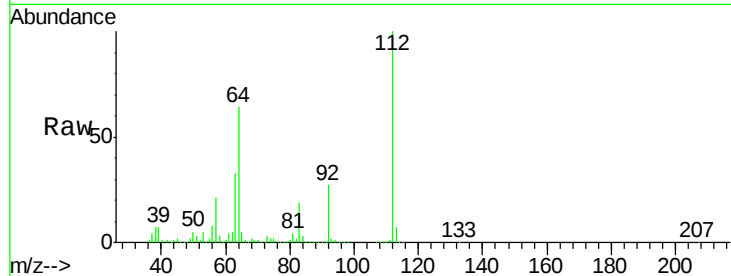
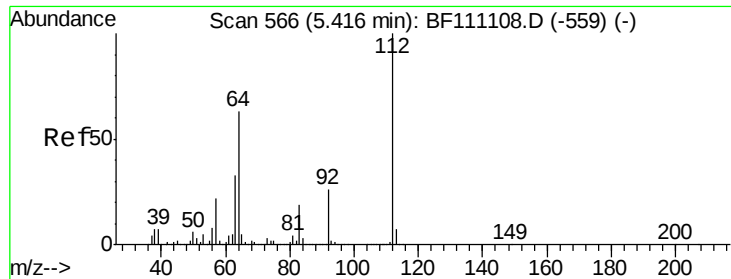


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 100.087 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Tgt Ion:	112	Resp:	3006911
Ion	Ratio	Lower	Upper
112	100		
64	63.8	50.2	75.4
63	32.8	26.6	39.8

Instrument :

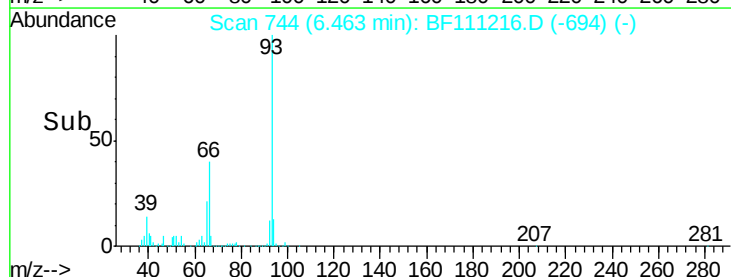
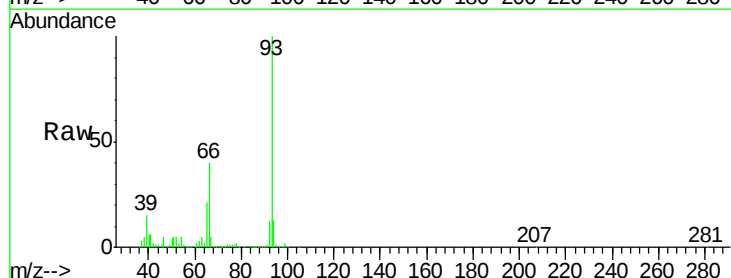
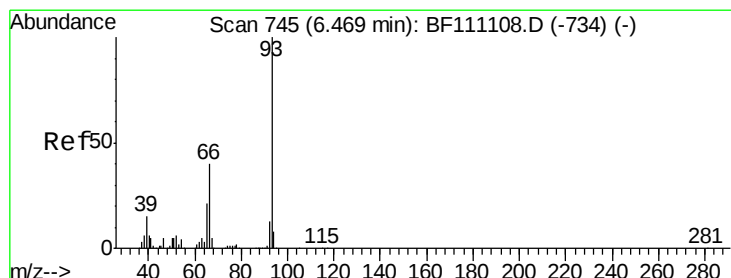
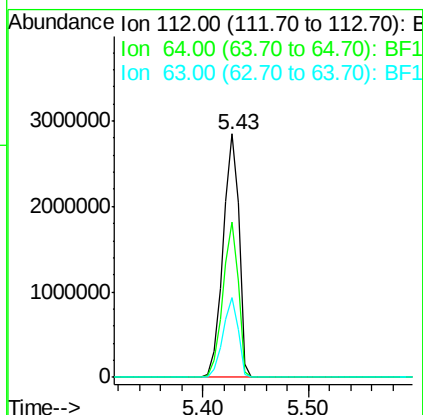
BNA_F

ClientSampleId :

PB115436BS

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#6

Aniline

Concen: 10.284 ng

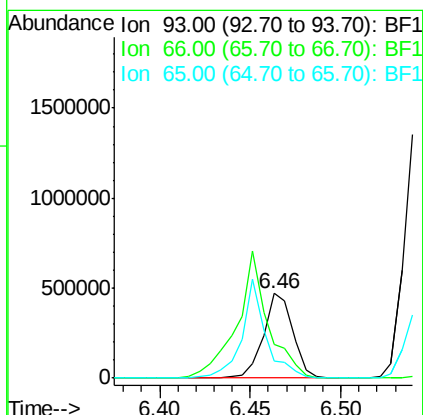
RT: 6.46 min Scan# 744

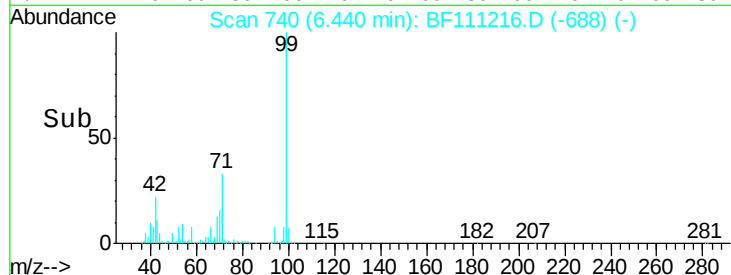
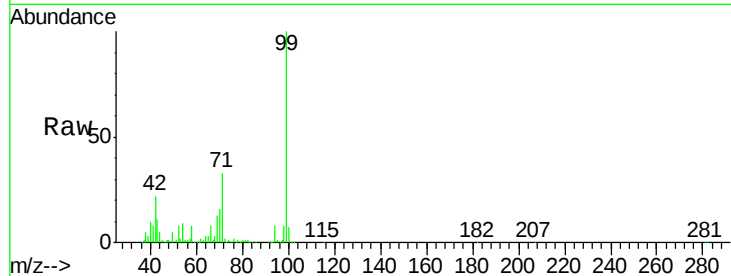
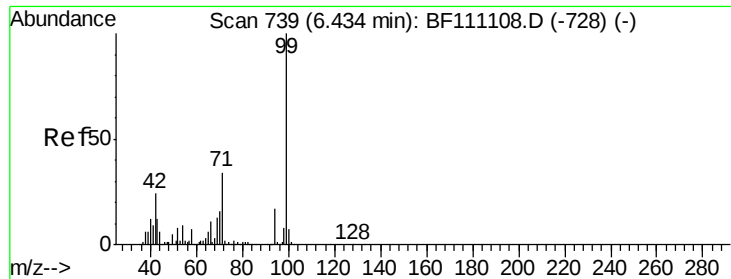
Delta R.T. -0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Tgt Ion:	93	Resp:	531747
Ion	Ratio	Lower	Upper
93	100		
66	39.8	31.8	47.8
65	20.6	16.6	24.8





#7

Phenol-d6

Concen: 98.636 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Tgt Ion: 99 Resp: 3817273

Ion Ratio Lower Upper

99 100

42 22.1 19.3 28.9

71 33.1 27.4 41.2

Instrument :

BNA_F

ClientSampleId :

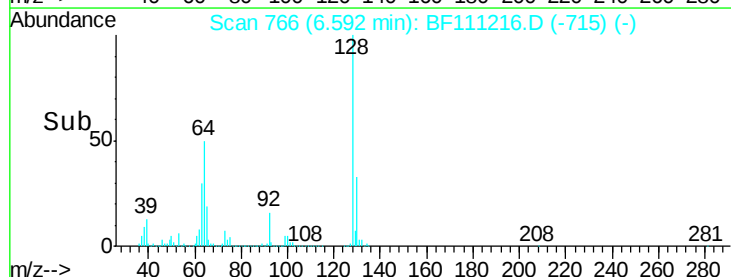
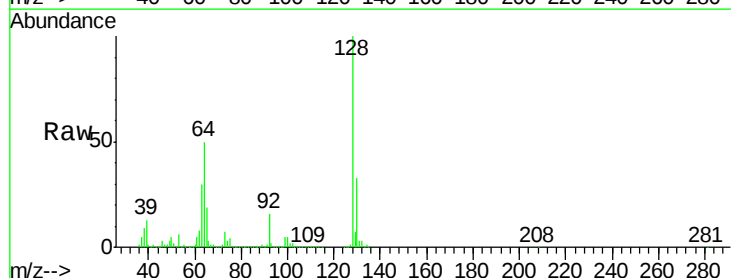
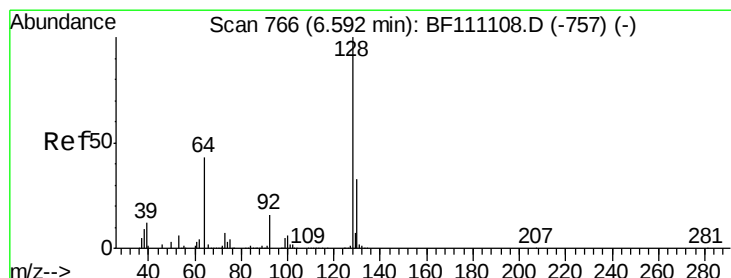
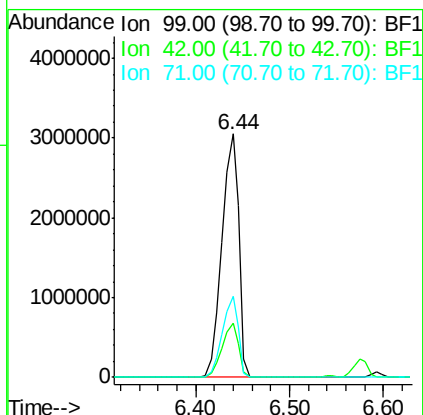
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#8

2-Chlorophenol

Concen: 33.810 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

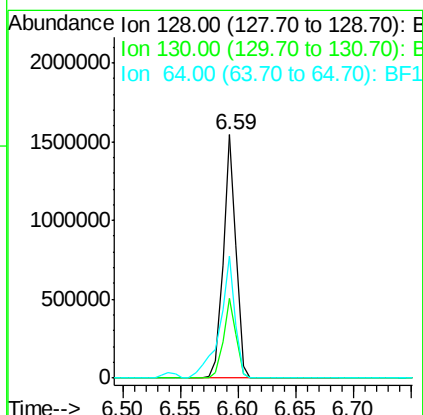
Tgt Ion: 128 Resp: 1170788

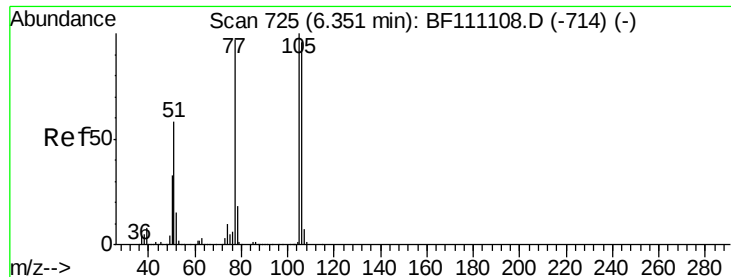
Ion Ratio Lower Upper

128 100

130 32.8 12.8 52.8

64 50.4 26.6 66.6





#9

Benzaldehyde

Concen: 22.663 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

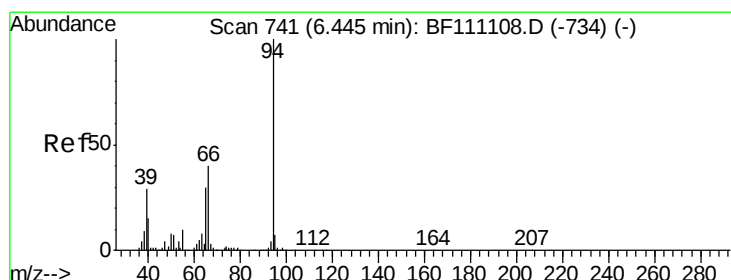
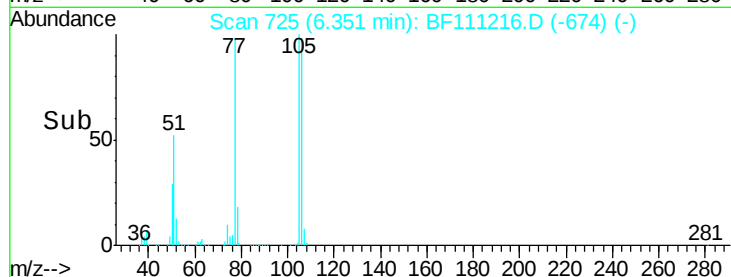
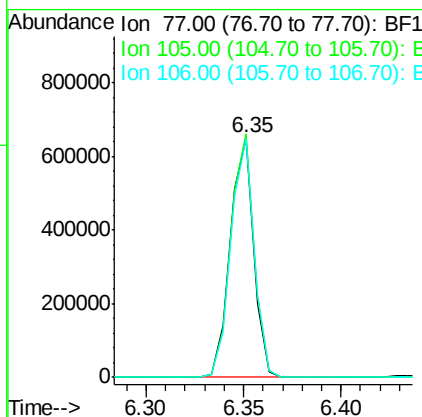
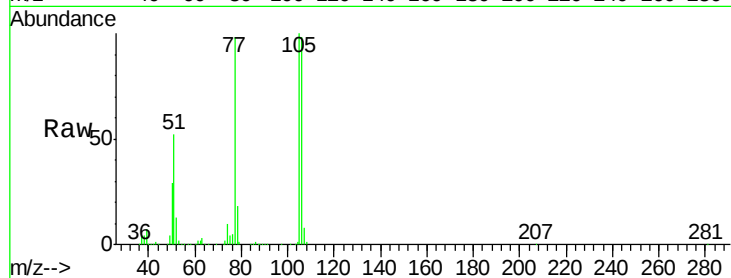
ClientSampleId :

PB115436BS

Tgt Ion	Ratio	Lower	Upper
77	100		
105	102.1	83.1	123.1
106	99.8	79.0	119.0

Manual Integrations
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#10

Phenol

Concen: 33.599 ng

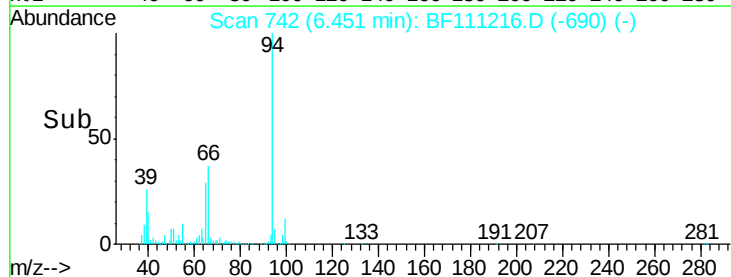
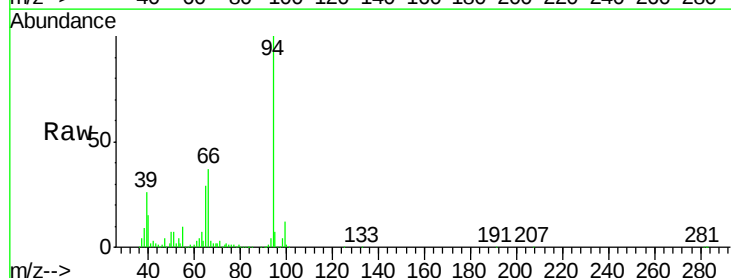
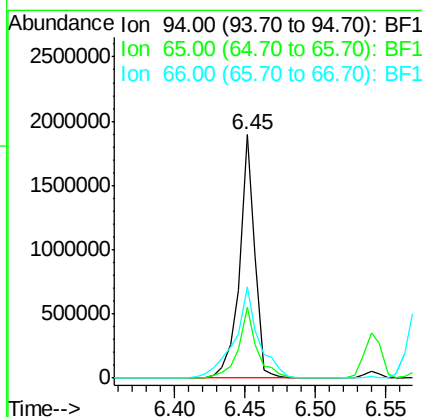
RT: 6.45 min Scan# 742

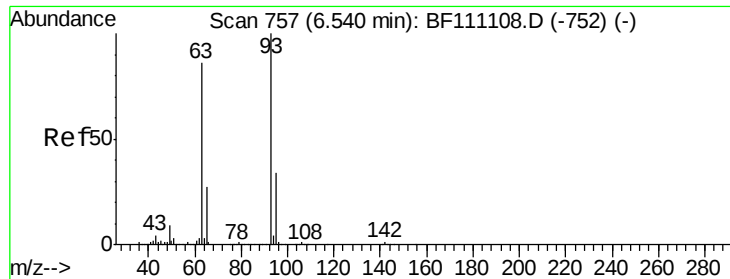
Delta R.T. 0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.1	10.5	50.5
66	37.3	19.8	59.8





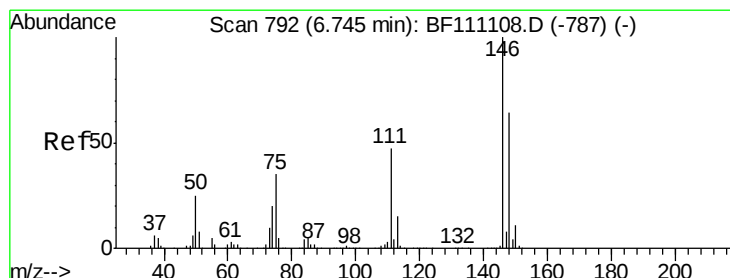
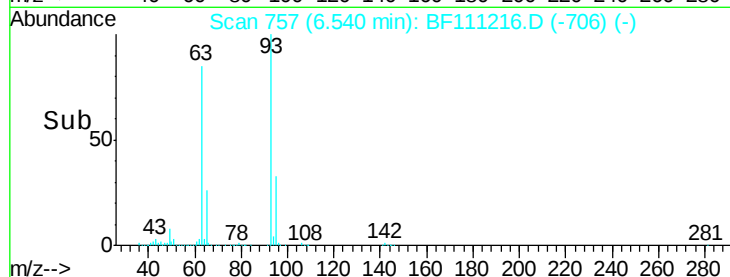
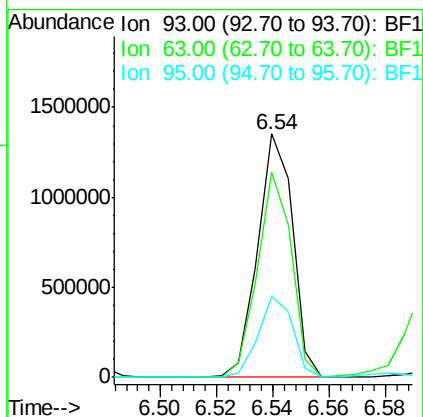
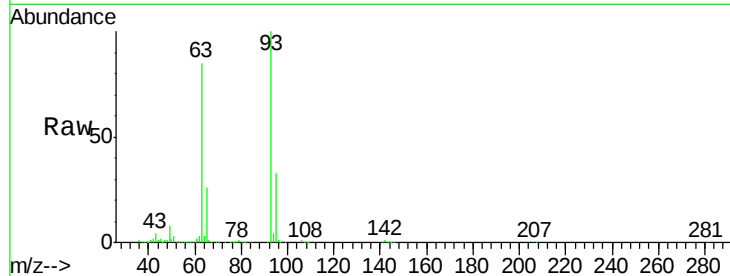
#11
bis(2-Chloroethyl)ether
Concen: 33.602 ng
RT: 6.54 min Scan# 757
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion: 93 Resp: 1158889
Ion Ratio Lower Upper
93 100
63 84.5 66.0 106.0
95 33.4 14.3 54.3

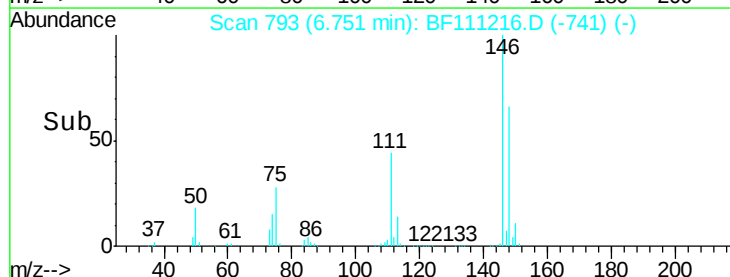
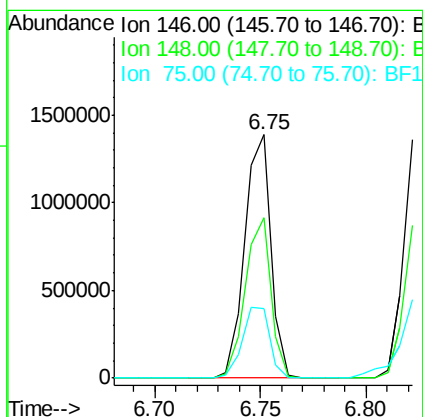
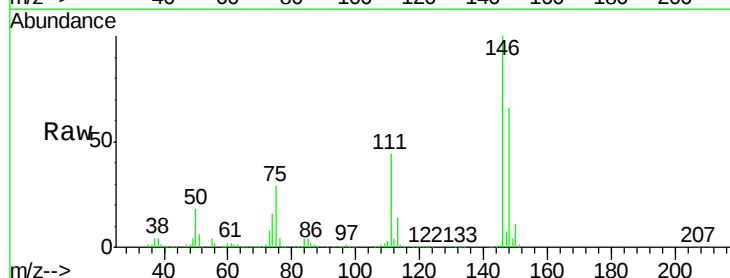
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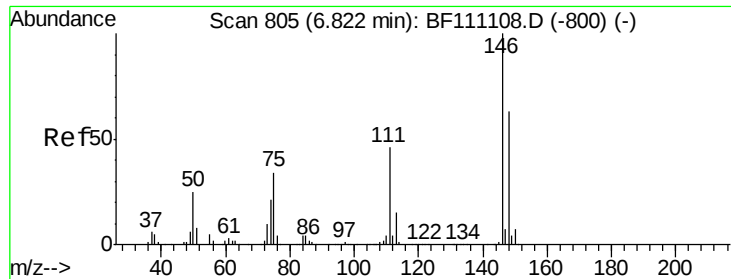
Sohil
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#12
1,3-Dichlorobenzene
Concen: 32.333 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion: 146 Resp: 1190755
Ion Ratio Lower Upper
146 100
148 65.7 51.3 76.9
75 28.6 27.7 41.5





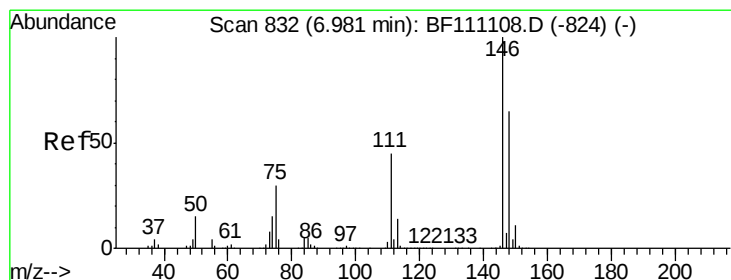
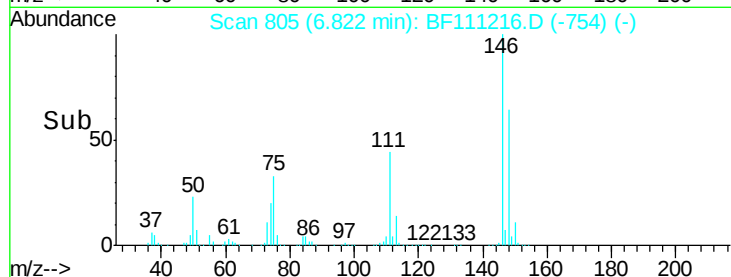
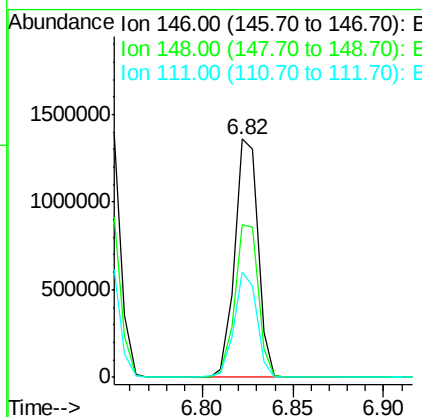
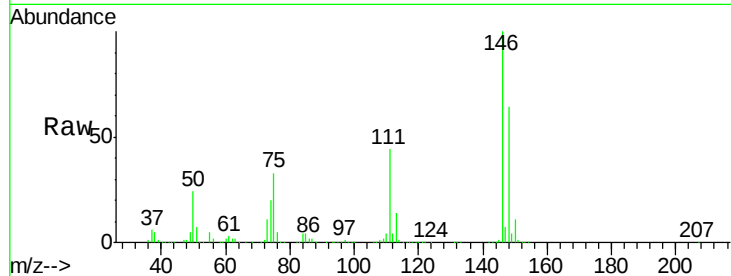
#13
 1,4-Dichlorobenzene
 Concen: 32.864 ng
 RT: 6.82 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :
 PB115436BS

Tgt Ion:146 Resp: 1217974
 Ion Ratio Lower Upper
 146 100
 148 64.3 50.3 75.5
 111 44.2 36.6 55.0

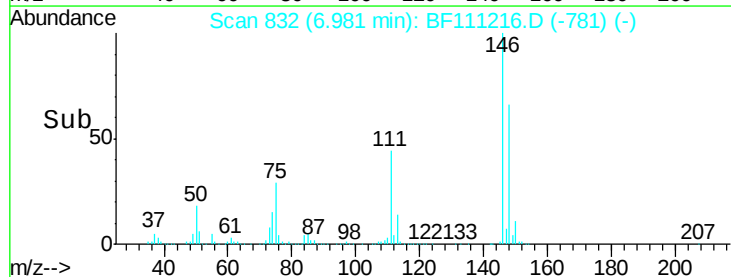
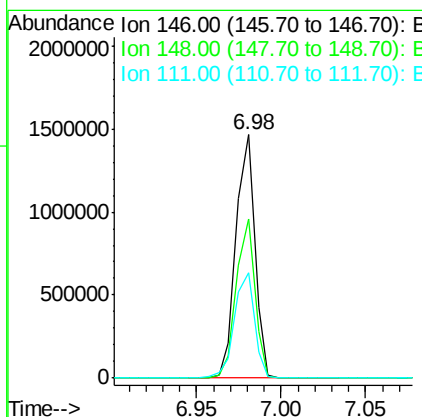
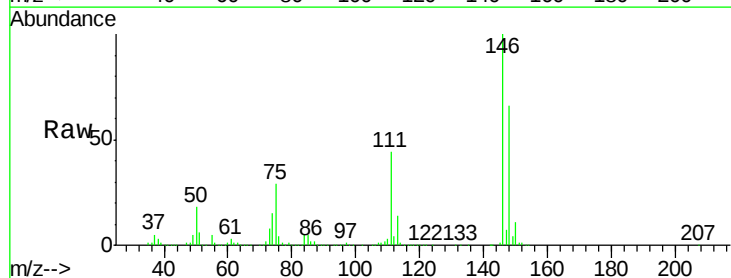
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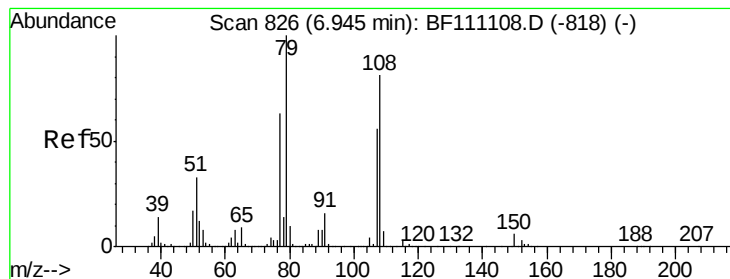
Sohil
 12/11/2018 8:44:57 AM



#14
 1,2-Dichlorobenzene
 Concen: 33.039 ng
 RT: 6.98 min Scan# 832
 Delta R.T. 0.00 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Tgt Ion:146 Resp: 1139022
 Ion Ratio Lower Upper
 146 100
 148 65.5 51.8 77.6
 111 43.5 35.7 53.5





#15

Benzyl Alcohol

Concen: 32.981 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

ClientSampled :

PB115436BS

Tgt Ion: 79 Resp: 1011335

Ion Ratio Lower Upper

79 100

108 82.3 64.5 96.7

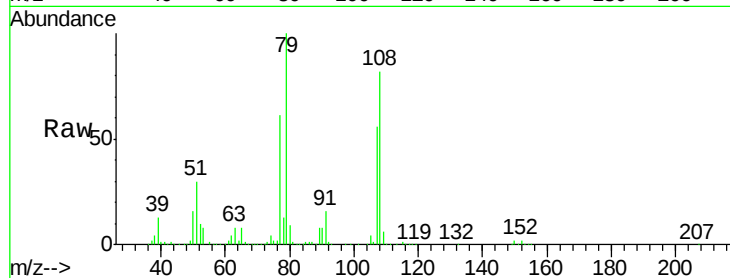
77 60.6 50.5 75.7

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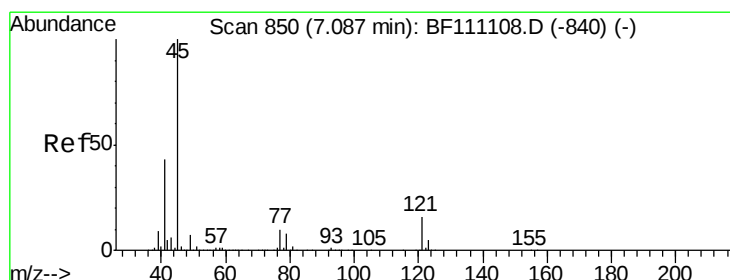
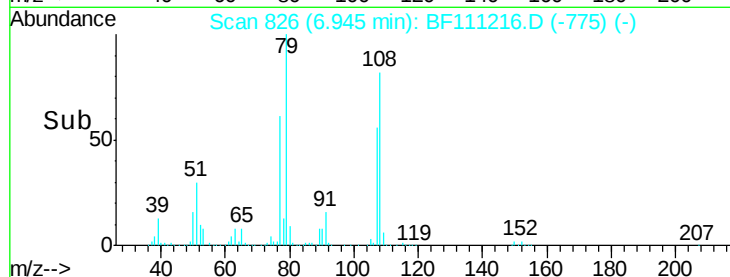
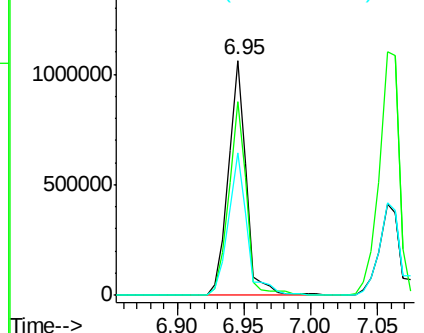
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.817 ng

RT: 7.09 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

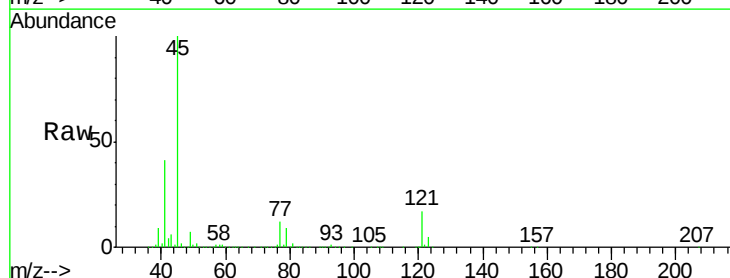
Tgt Ion: 45 Resp: 2134563

Ion Ratio Lower Upper

45 100

77 11.7 0.0 30.6

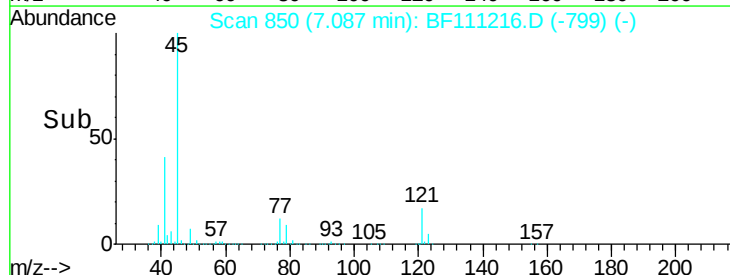
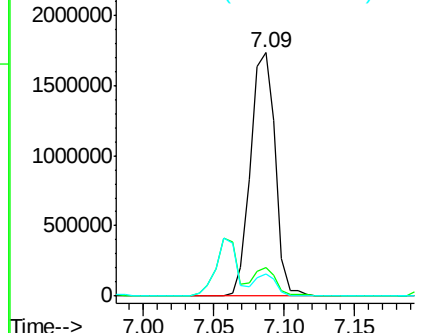
79 8.9 0.0 28.4

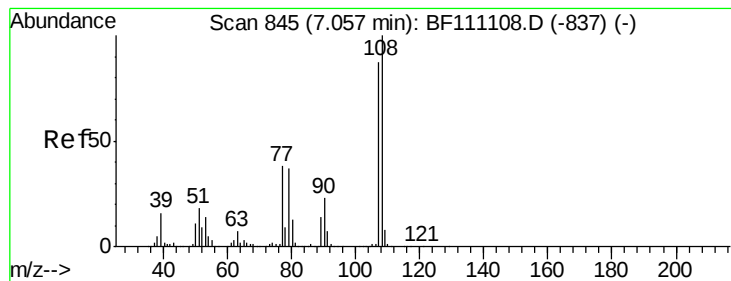


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





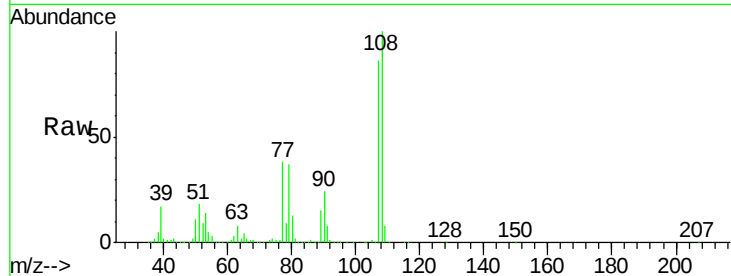
#17
2-Methylphenol
Concen: 34.312 ng
RT: 7.06 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

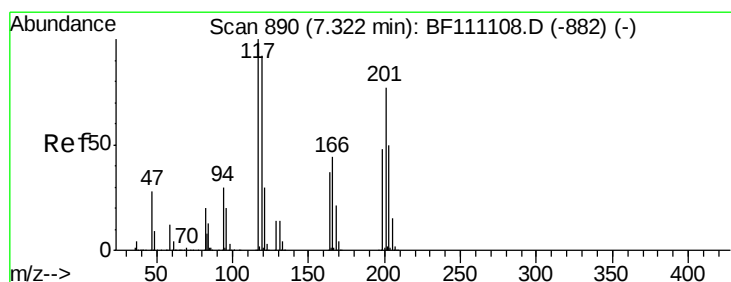
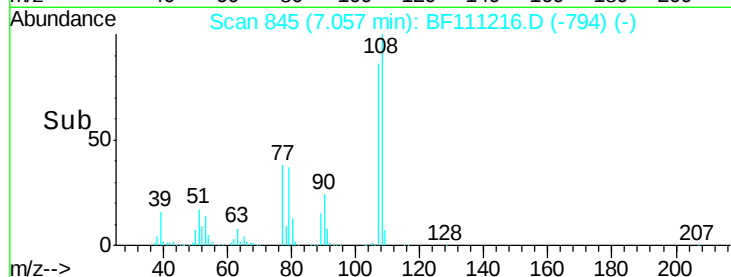
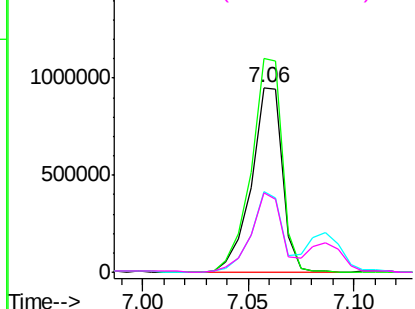
Tgt Ion:	107	Resp:	975340
Ion Ratio	Lower	Upper	
107	100		
108	115.8	91.8	137.8
77	43.8	34.7	52.1
79	43.3	34.2	51.2

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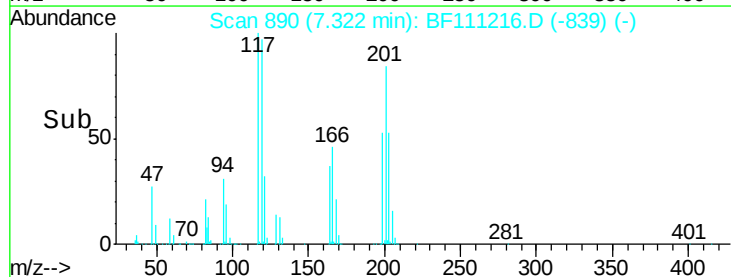
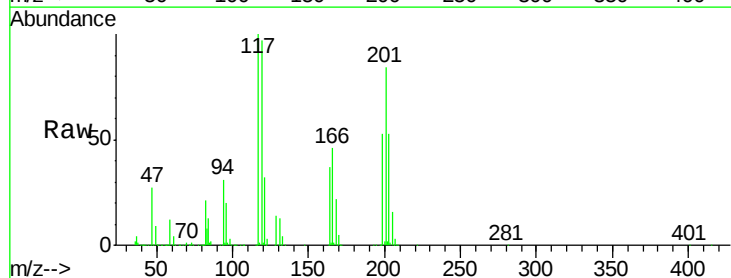
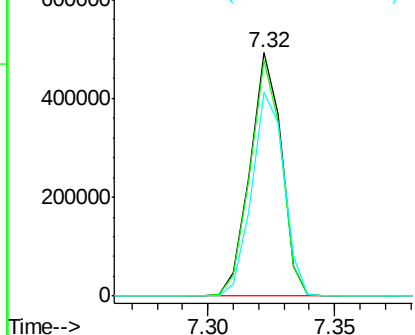
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

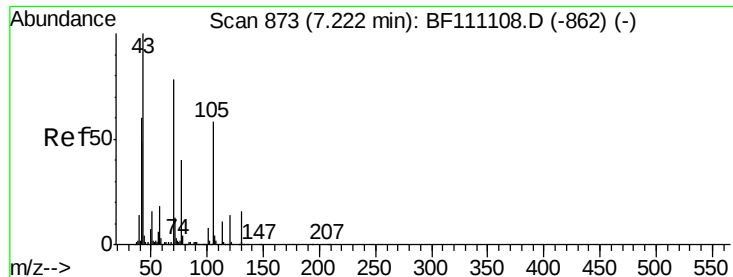


#18
Hexachloroethane
Concen: 30.850 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion:	117	Resp:	428906
Ion Ratio	Lower	Upper	
117	100		
119	97.0	73.8	110.6
201	83.6	61.2	91.8

Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





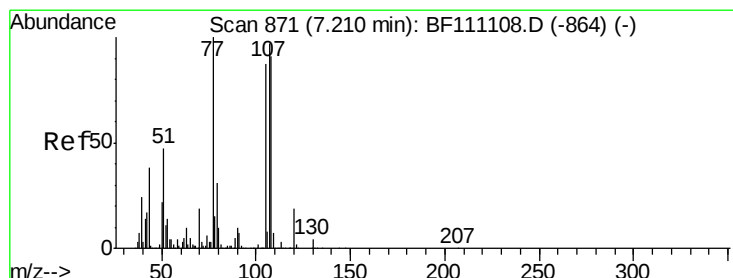
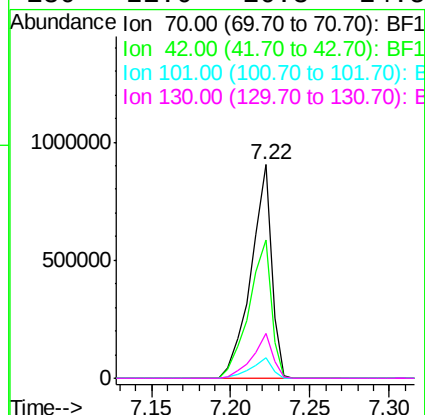
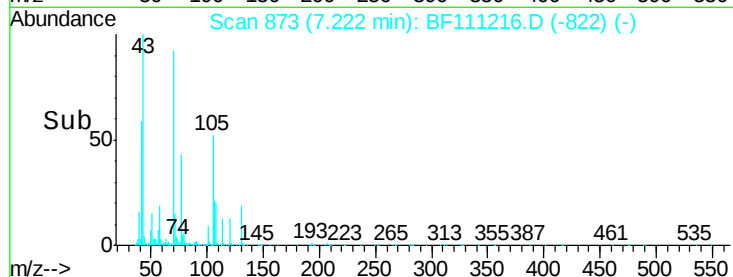
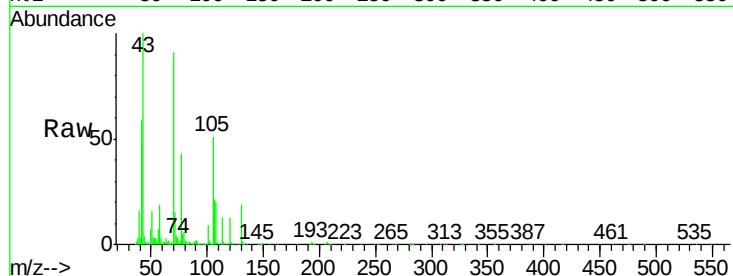
#19
n-Nitroso-di-n-propylamine
Concen: 31.442 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	64.9	61.3	91.9
101	9.6	7.7	11.5
130	21.0	16.3	24.5

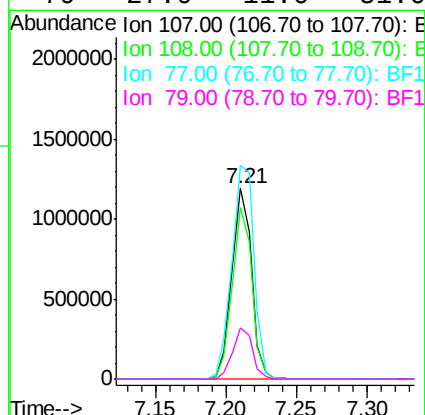
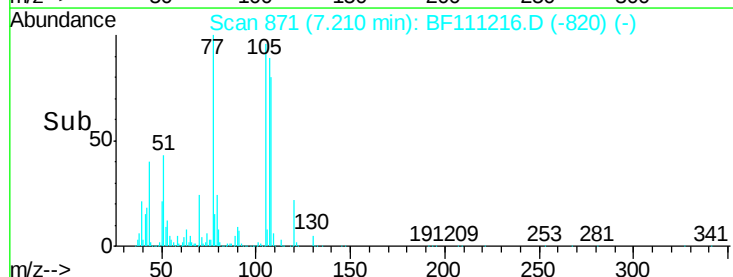
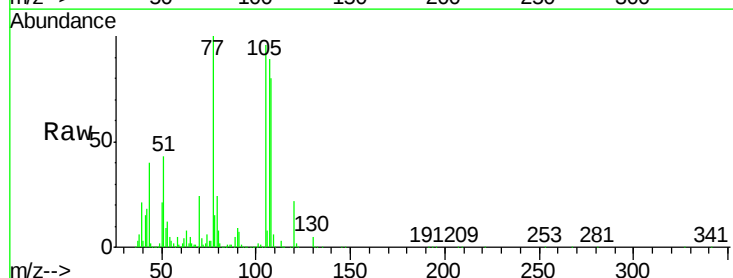
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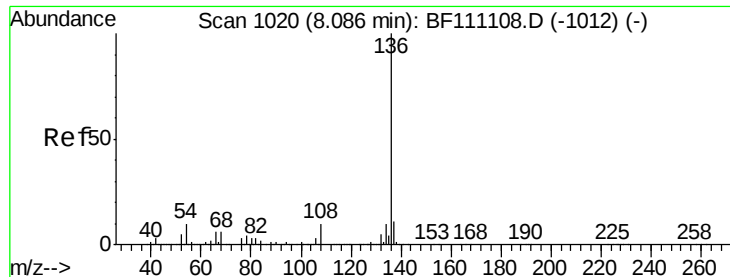
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#20
3+4-Methylphenols
Concen: 33.531 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.0	74.0	114.0
77	112.3	83.2	123.2
79	27.0	11.6	51.6





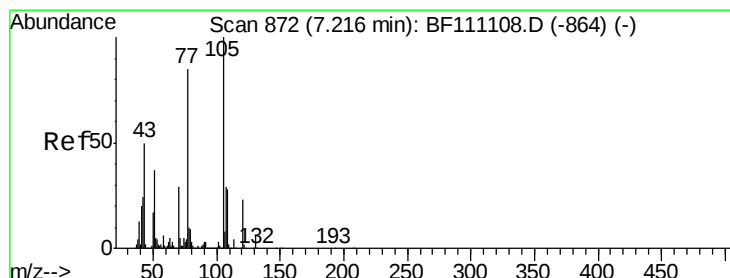
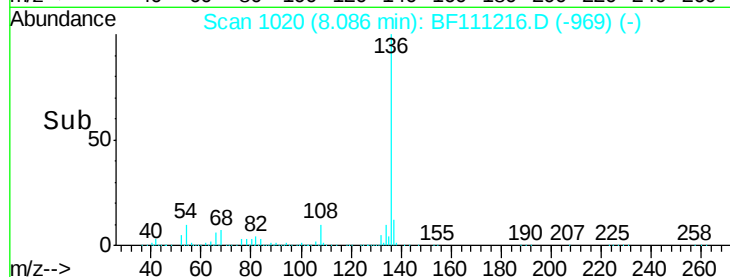
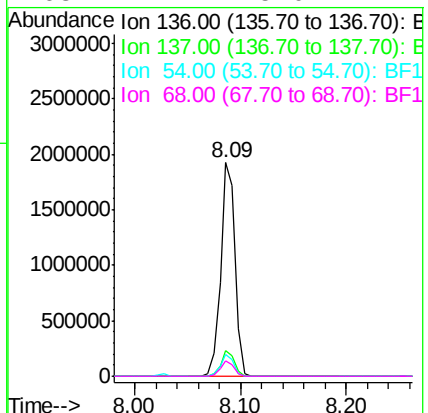
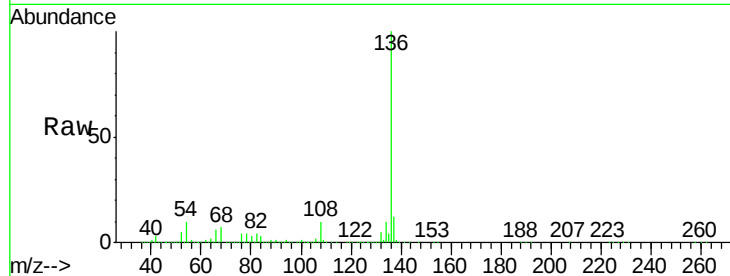
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.0	13.6
54	10.4	8.4	12.6
68	7.2	5.0	7.4

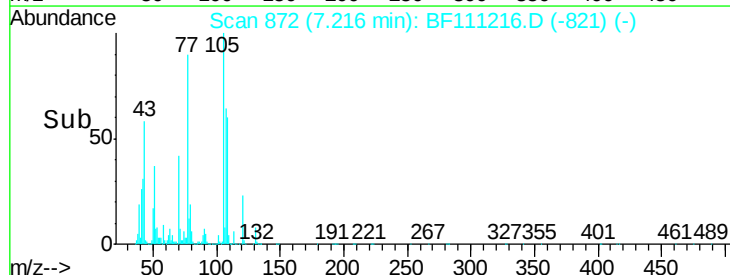
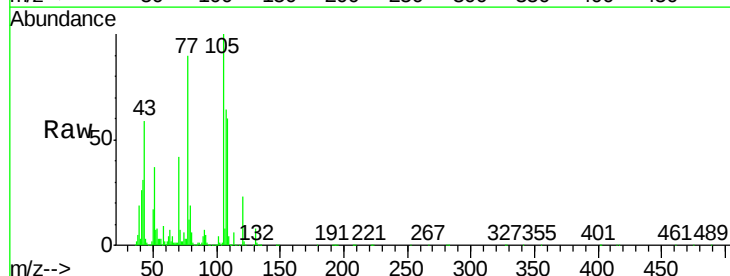
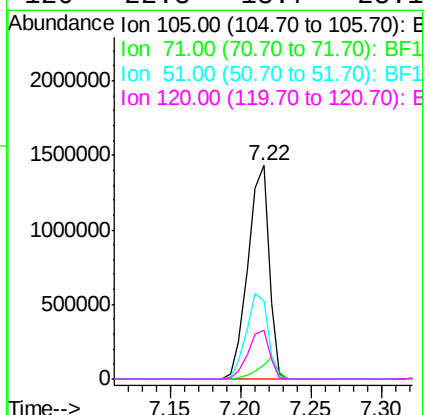
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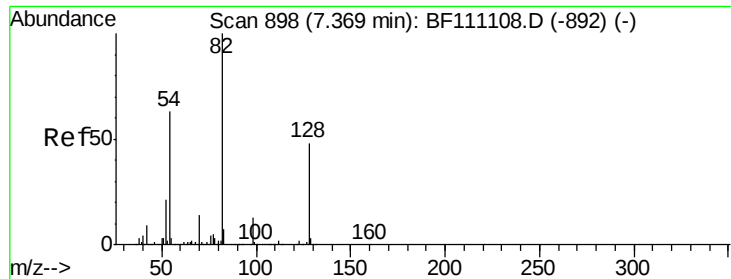
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#22
Acetophenone
Concen: 34.264 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Lower	Upper
105	100		
71	6.8	4.0	6.0#
51	36.8	29.8	44.8
120	22.8	18.7	28.1





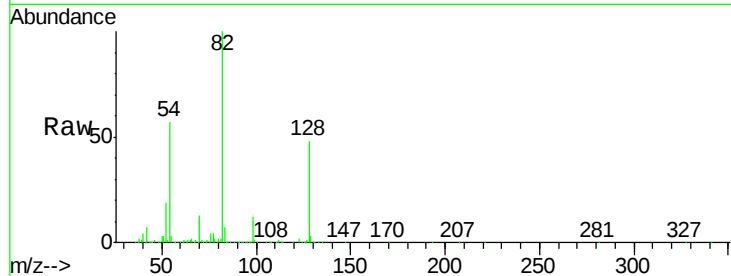
#23
 Nitrobenzene-d5
 Concen: 78.327 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :
 PB115436BS

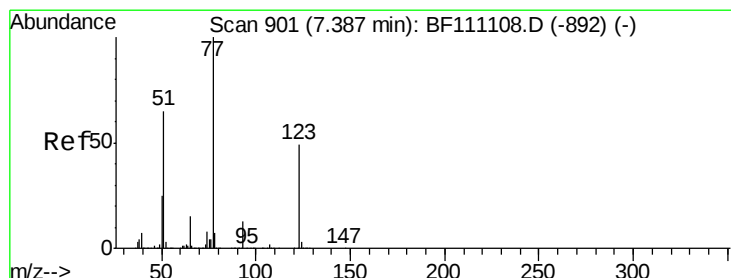
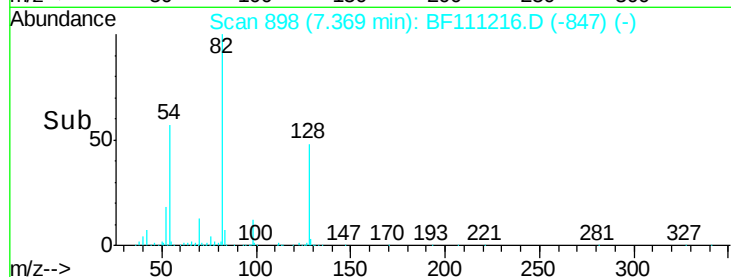
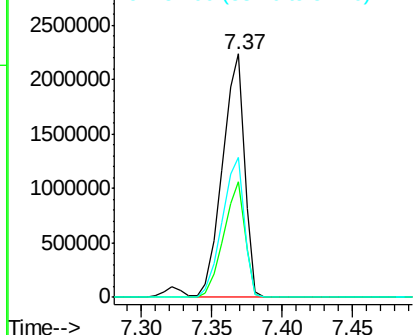
Tgt Ion: 82 Resp: 2418943
 Ion Ratio Lower Upper
 82 100
 128 47.5 38.1 57.1
 54 57.5 50.3 75.5

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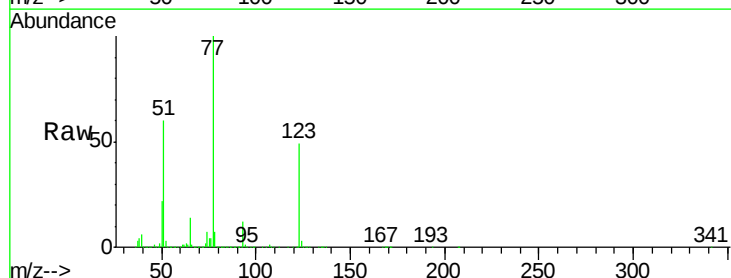


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

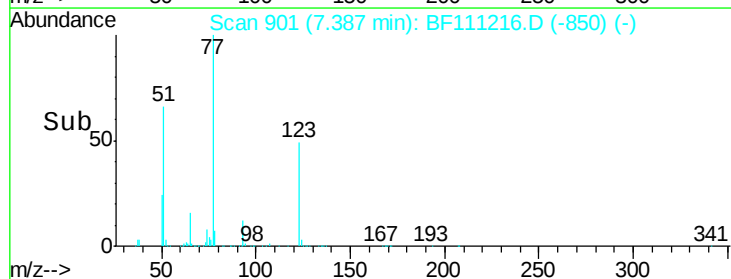
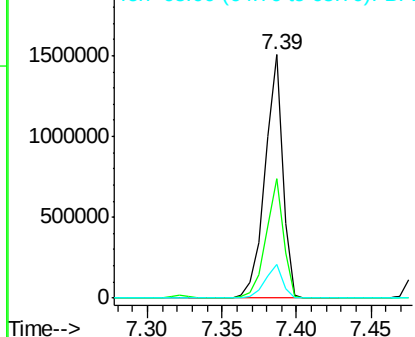


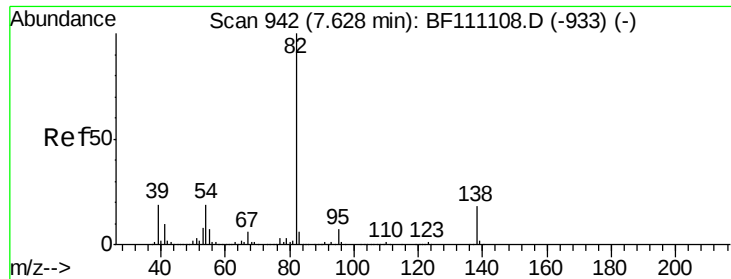
#24
 Nitrobenzene
 Concen: 36.683 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Tgt Ion: 77 Resp: 1218752
 Ion Ratio Lower Upper
 77 100
 123 48.8 39.5 59.3
 65 13.8 11.8 17.6



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





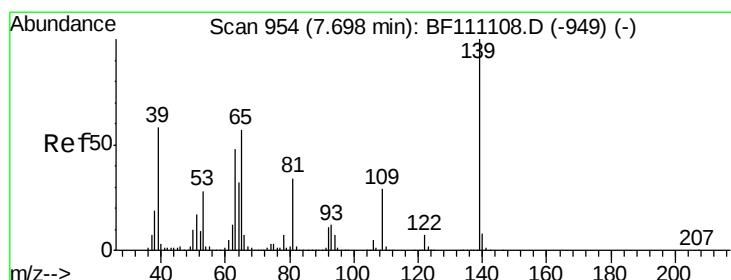
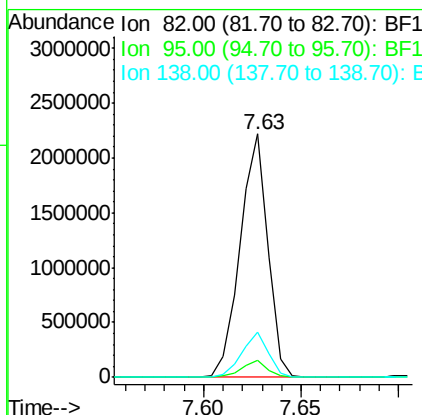
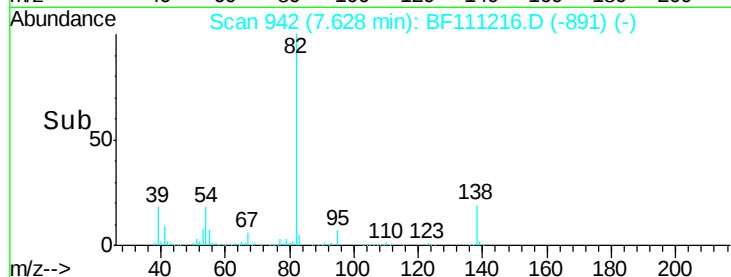
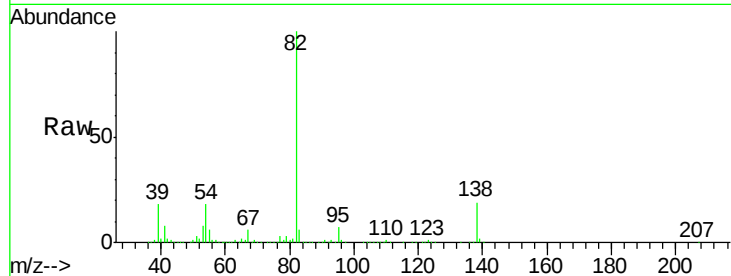
#25
Isophorone
Concen: 38.522 ng
RT: 7.63 min Scan# 942
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion: 82 Resp: 2183266
Ion Ratio Lower Upper
82 100
95 6.9 5.6 8.4
138 18.7 14.6 22.0

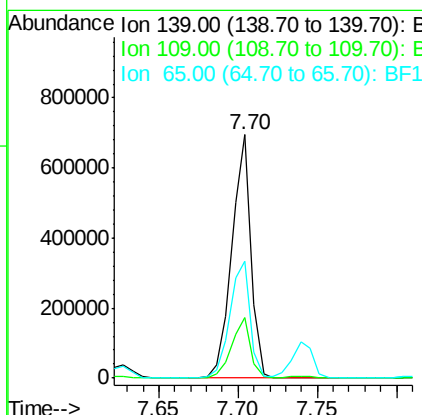
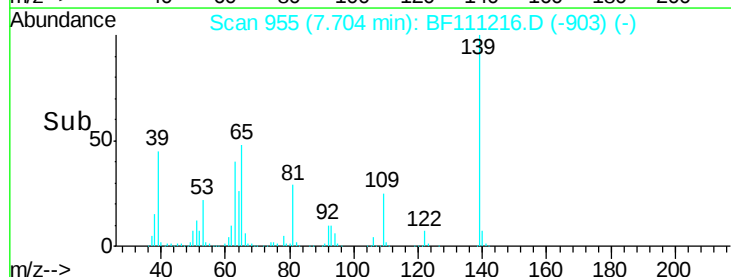
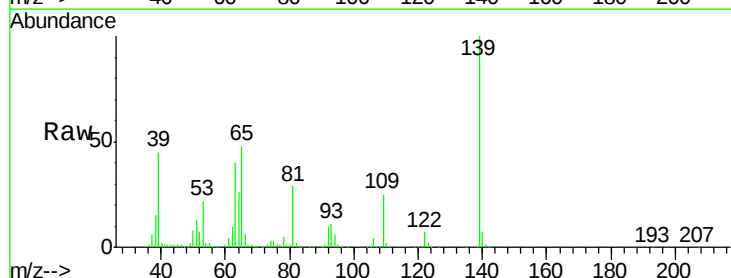
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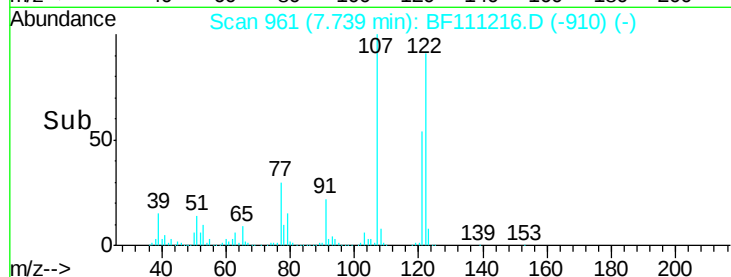
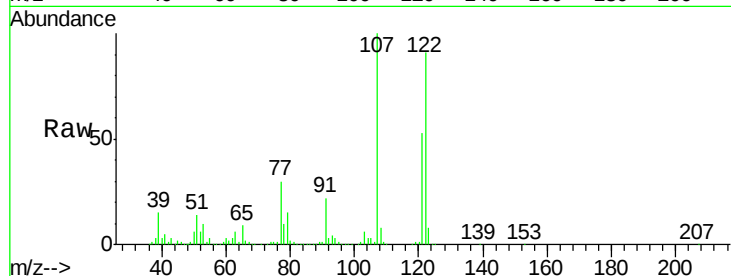
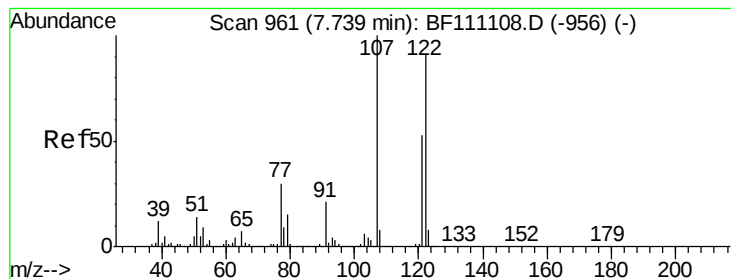
Sohil
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#26
2-Nitrophenol
Concen: 41.181 ng
RT: 7.70 min Scan# 955
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion: 139 Resp: 578113
Ion Ratio Lower Upper
139 100
109 25.0 23.1 34.7
65 48.0 45.9 68.9





#27

2,4-Dimethylphenol

Concen: 39.847 ng

RT: 7.74 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

ClientSampleId :

PB115436BS

Tgt Ion:122 Resp: 1053487

Ion Ratio Lower Upper

122 100

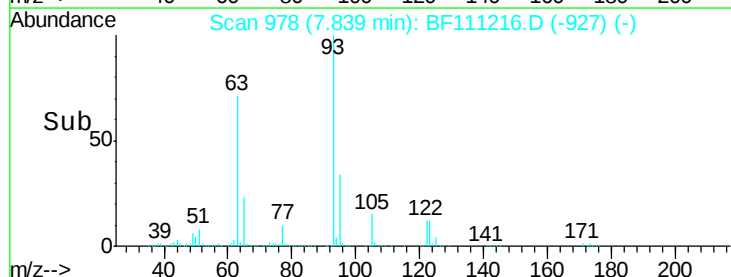
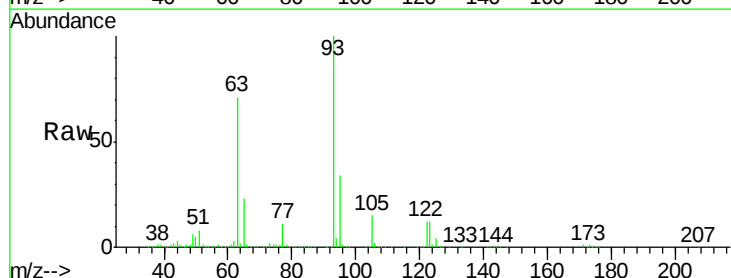
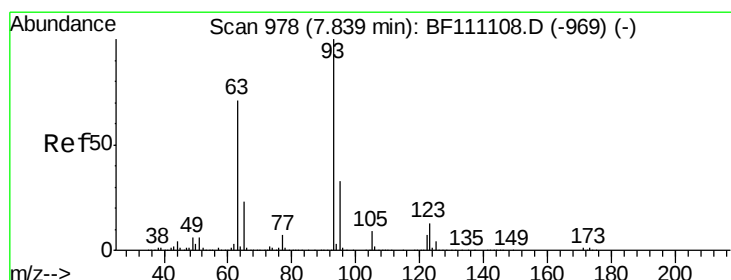
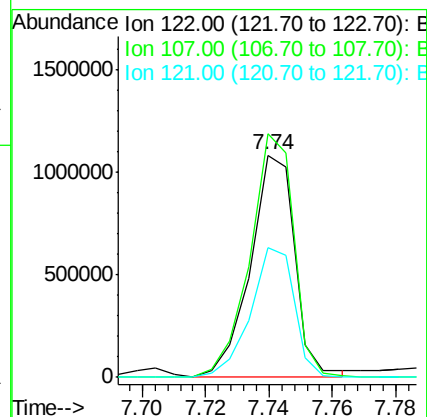
107 109.6 87.4 131.0

121 58.6 45.9 68.9

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#28

bis(2-Chloroethoxy)methane

Concen: 36.947 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

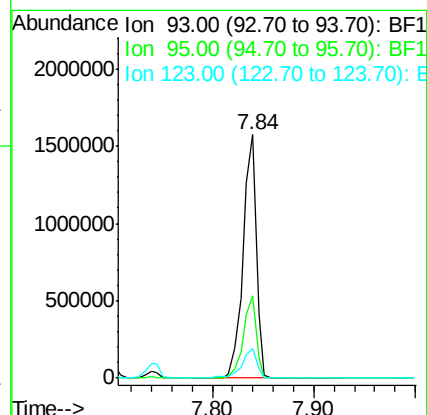
Tgt Ion: 93 Resp: 1417590

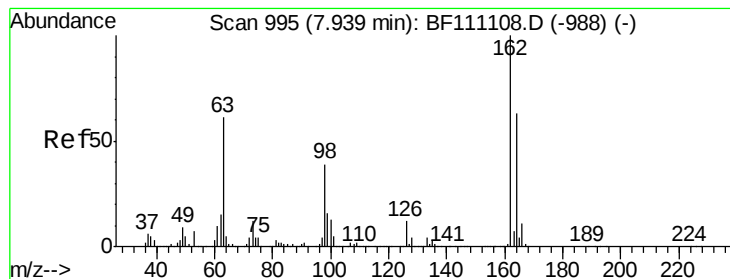
Ion Ratio Lower Upper

93 100

95 33.7 26.6 39.8

123 12.5 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 35.467 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

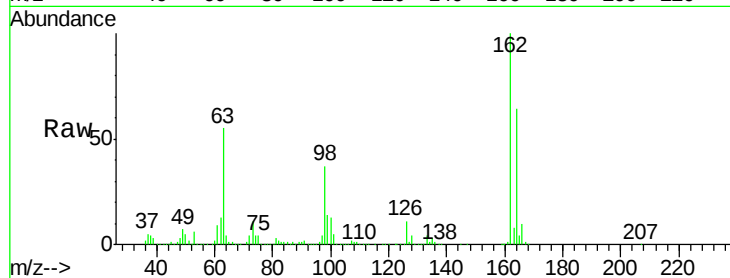
ClientSampleId :

PB115436BS

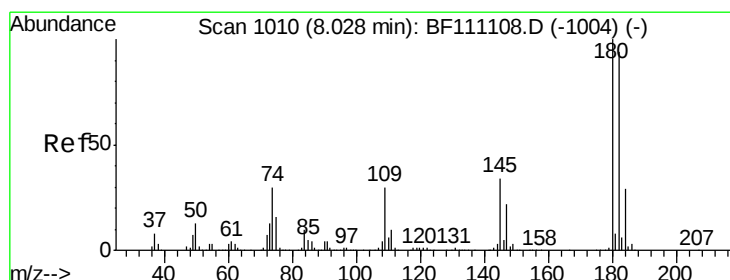
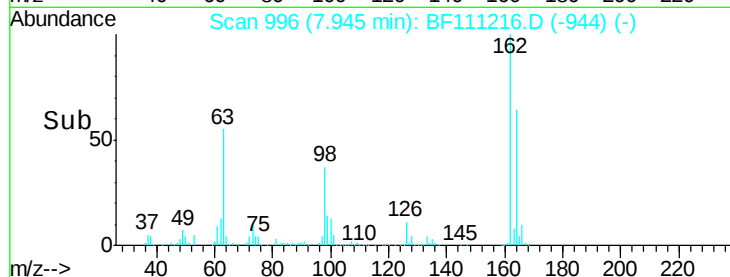
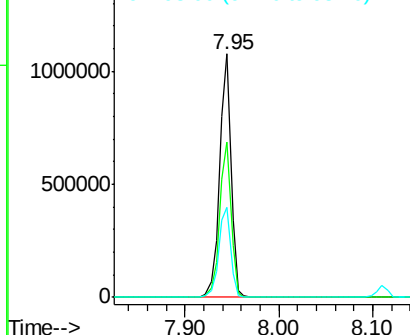
Tgt Ion:	162	Resp:	923144
Ion Ratio	Lower	Upper	
162	100		
164	64.0	43.3	83.3
98	36.9	18.9	58.9

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 34.688 ng

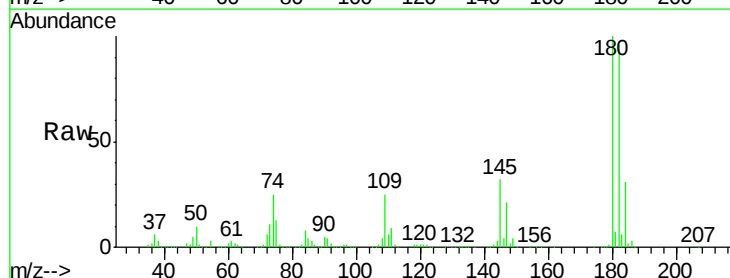
RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

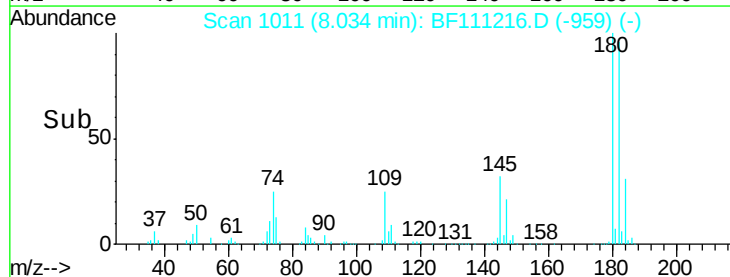
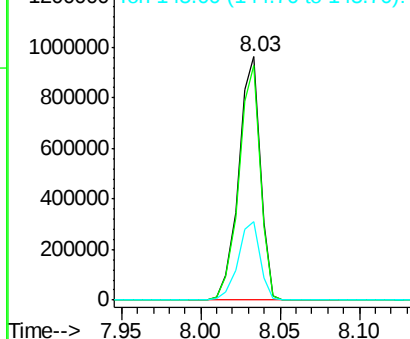
Lab File: BF111216.D

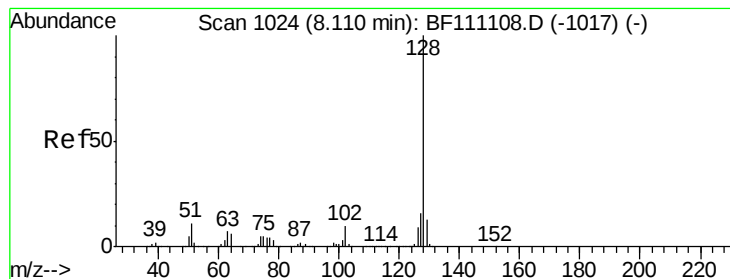
Acq: 8 Dec 2018 5:13

Tgt Ion:	180	Resp:	911310
Ion Ratio	Lower	Upper	
180	100		
182	96.2	75.1	112.7
145	32.4	27.6	41.4



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 39.504 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

ClientSampleId :

PB115436BS

Tgt Ion:128 Resp: 3144675

Ion Ratio Lower Upper

128 100

129 12.5 10.5 15.7

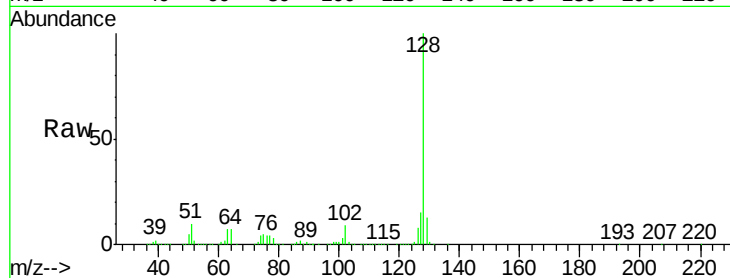
127 14.8 12.5 18.7

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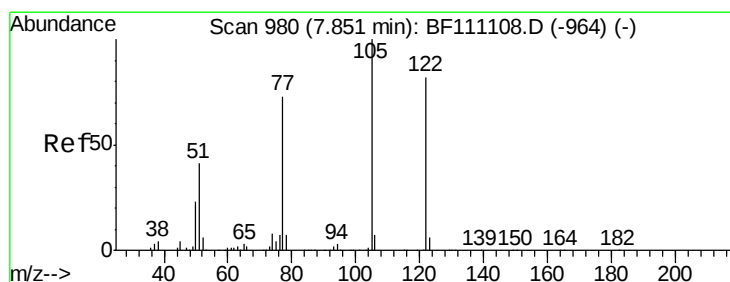
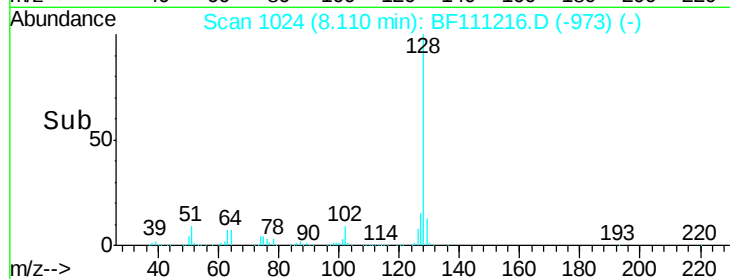
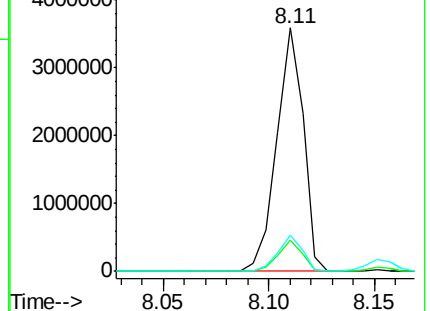
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 35.601 ng m

RT: 7.84 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

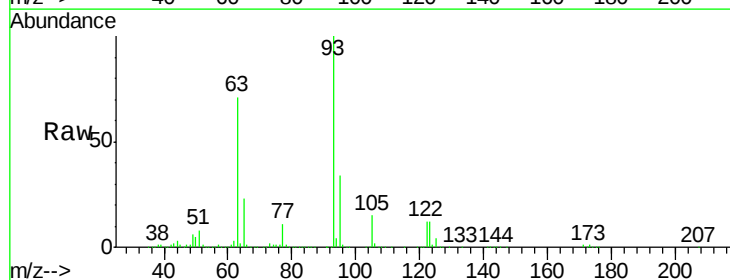
Tgt Ion:122 Resp: 620677

Ion Ratio Lower Upper

122 100

105 122.9 100.1 140.1

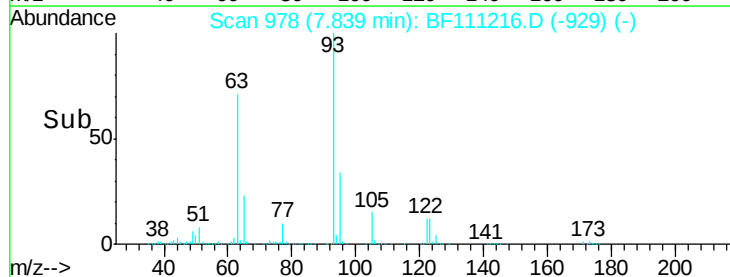
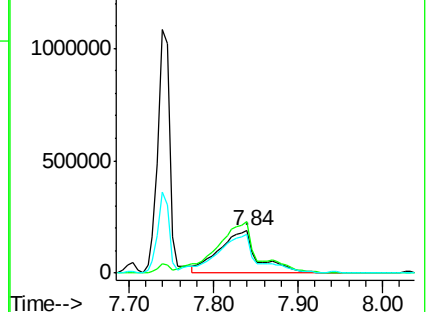
77 90.7 69.4 109.4

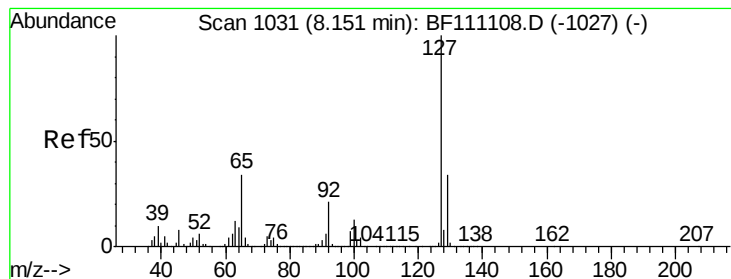


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 4.479 ng

RT: 8.15 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

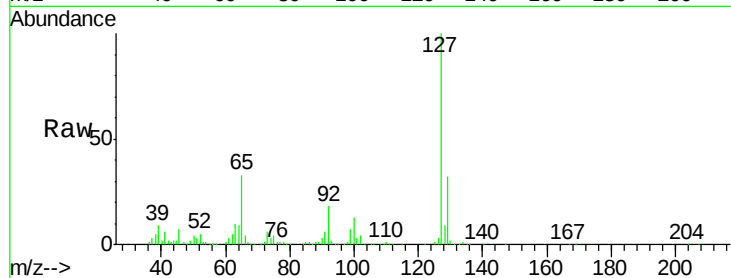
ClientSampleId :

PB115436BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	31.7	27.0	40.6
65	33.3	27.2	40.8
92	18.1	16.6	24.8

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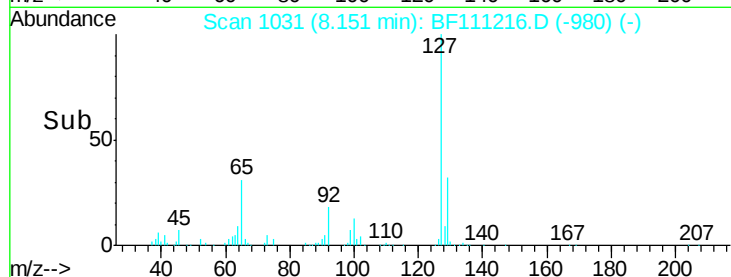
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

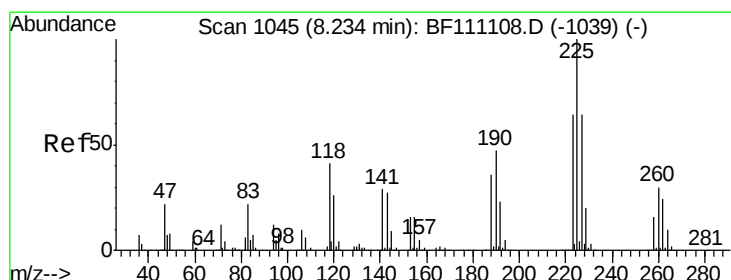
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Time-->



Time-->



#34

Hexachlorobutadiene

Concen: 33.291 ng

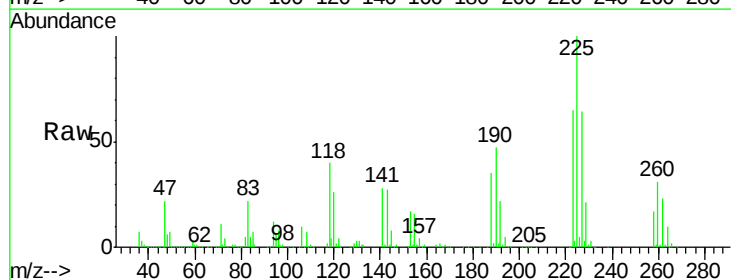
RT: 8.23 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	65.2	51.4	77.2
227	63.6	51.0	76.4

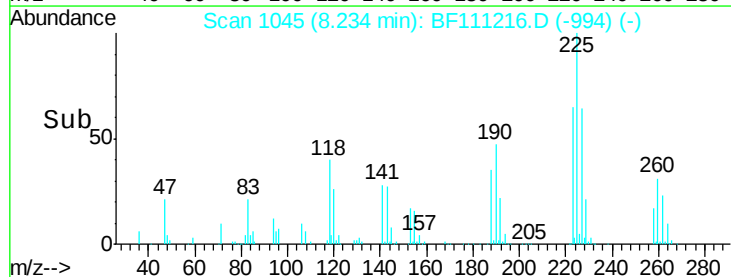


Abundance Ion 225.00 (224.70 to 225.70): E

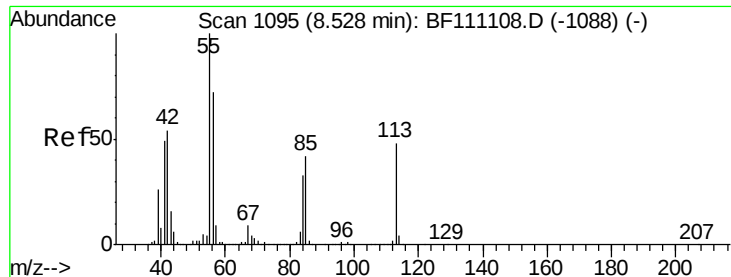
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

Time-->



Time-->



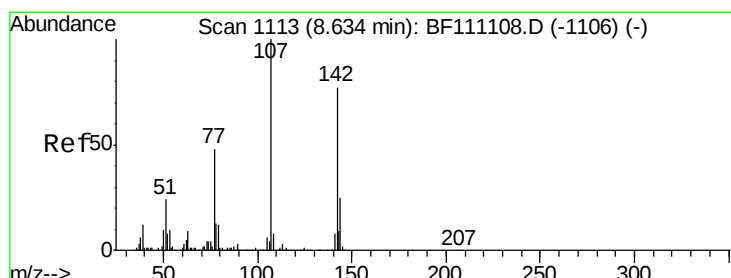
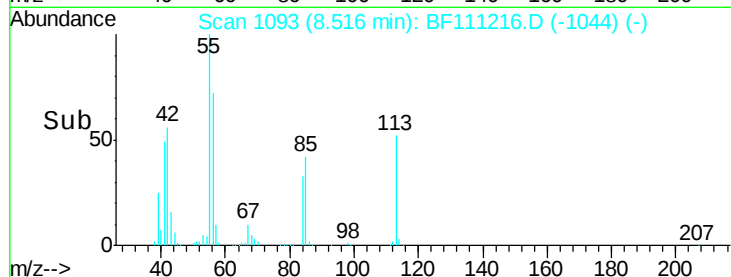
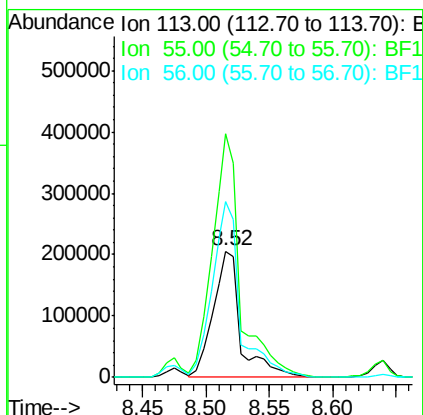
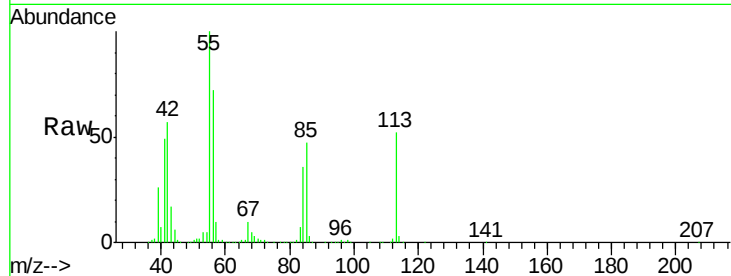
#35
 Caprolactam
 Concen: 32.629 ng
 RT: 8.52 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :
 PB115436BS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
55	192.6	190.6	230.6	
56	138.8	130.9	170.9	

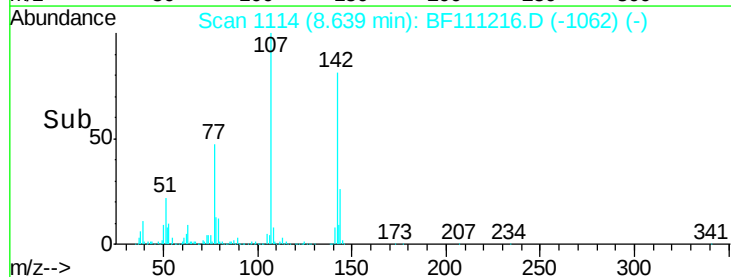
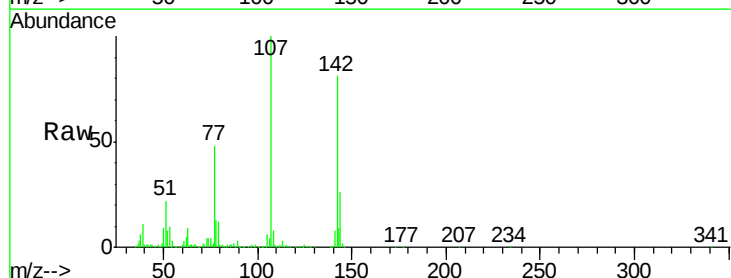
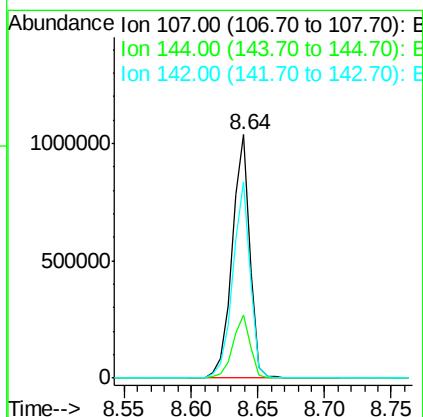
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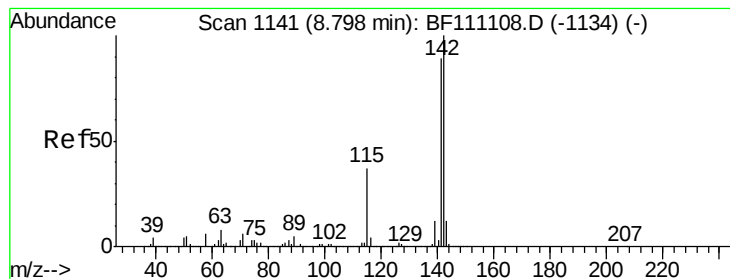
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#36
 4-Chloro-3-methylphenol
 Concen: 34.150 ng
 RT: 8.64 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	25.7	19.9	29.9	
142	80.7	61.4	92.0	





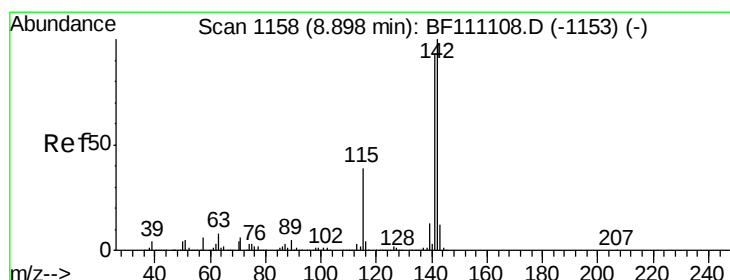
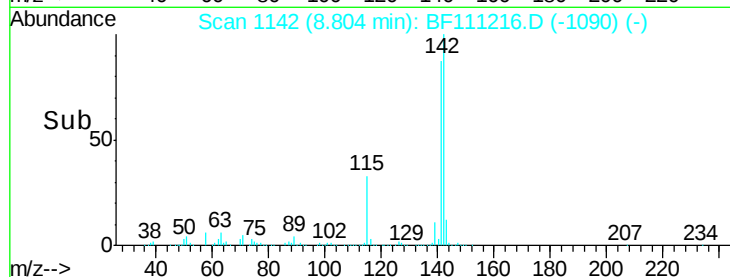
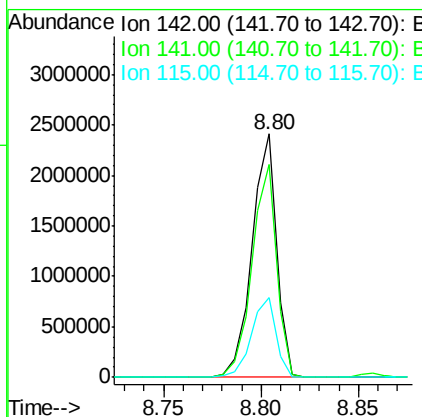
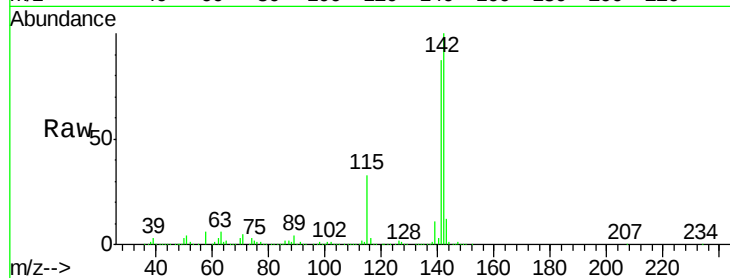
#37
2-Methylnaphthalene
Concen: 38.473 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion:142 Resp: 2112573
Ion Ratio Lower Upper
142 100
141 87.3 71.4 107.0
115 32.9 29.2 43.8

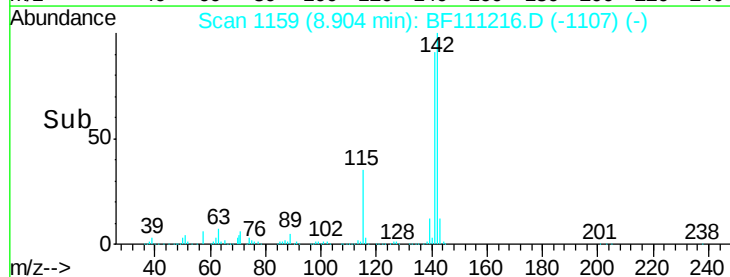
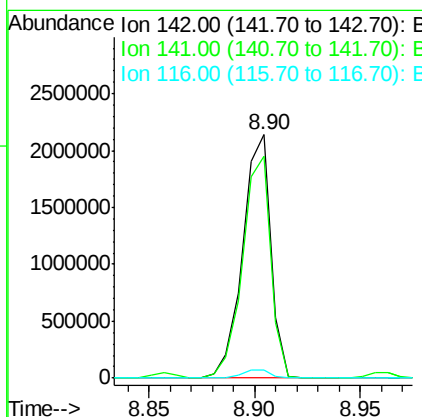
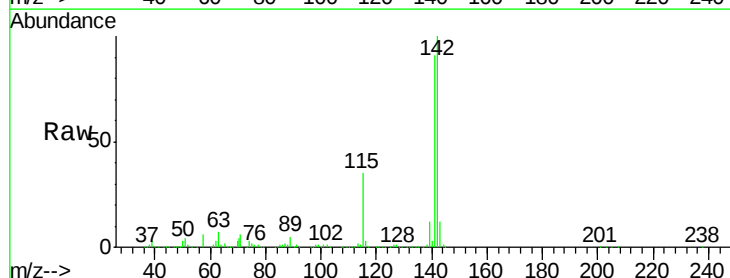
Manual Integrations
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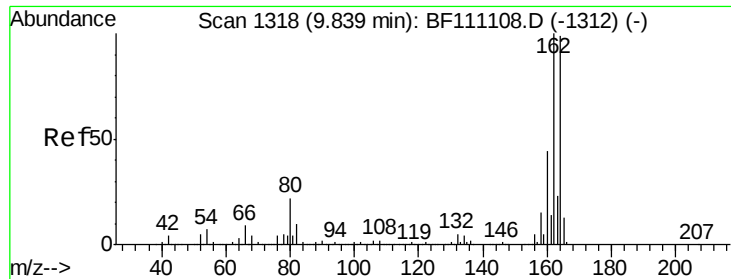
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#38
1-Methylnaphthalene
Concen: 37.304 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion:142 Resp: 1969361
Ion Ratio Lower Upper
142 100
141 91.3 74.5 111.7
116 3.5 3.2 4.8





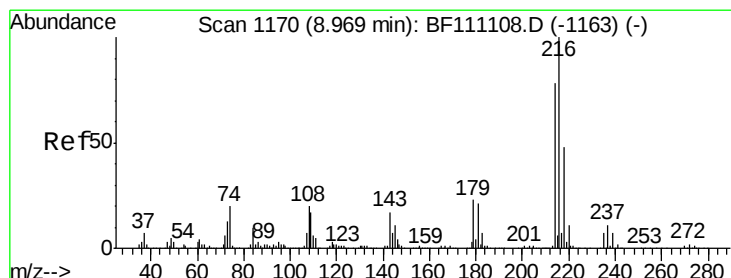
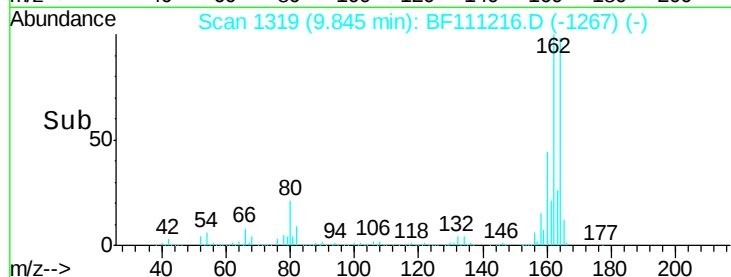
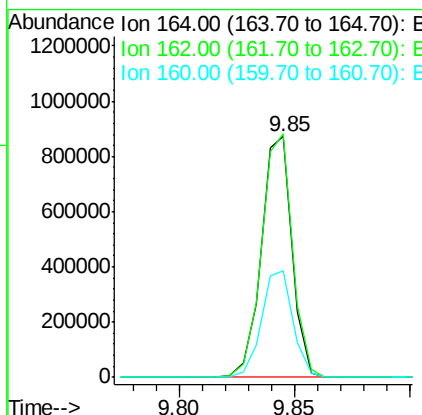
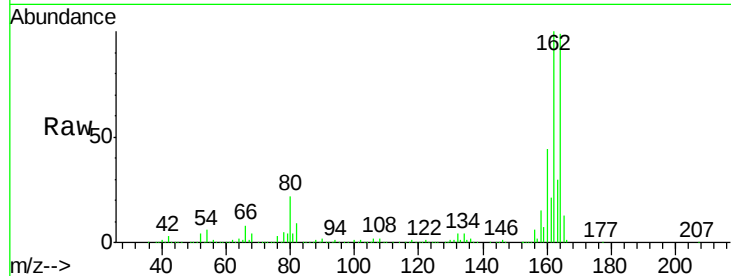
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Instrument :
 BNA_F
 ClientSampleID :
 PB115436BS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	805309		
162	101.1	80.6	120.8	
160	44.4	35.5	53.3	

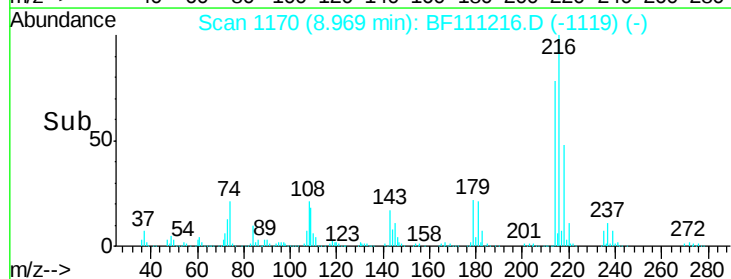
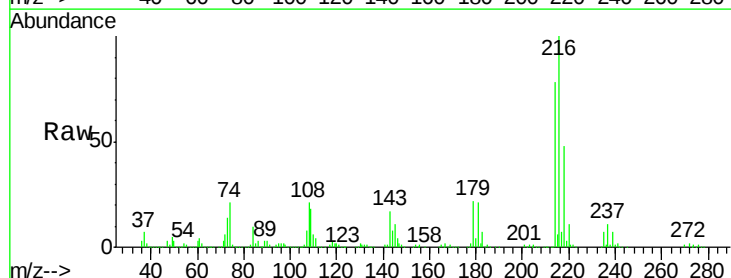
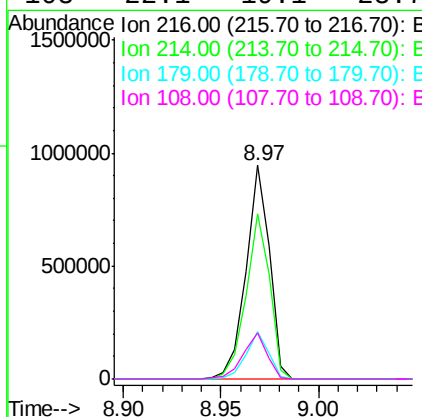
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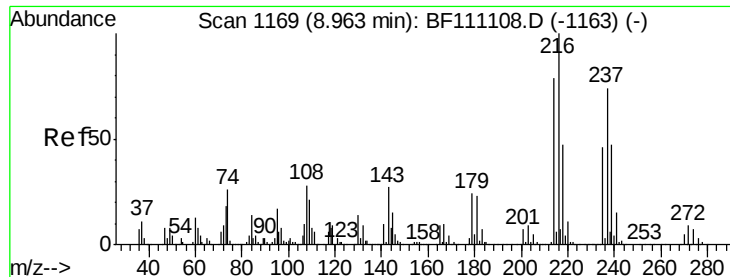
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 36.776 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	789338		
214	77.8	63.4	95.0	
179	21.7	18.5	27.7	
108	22.1	19.1	28.7	





#41

Hexachlorocyclopentadiene

Concen: 30.175 ng

RT: 8.96 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

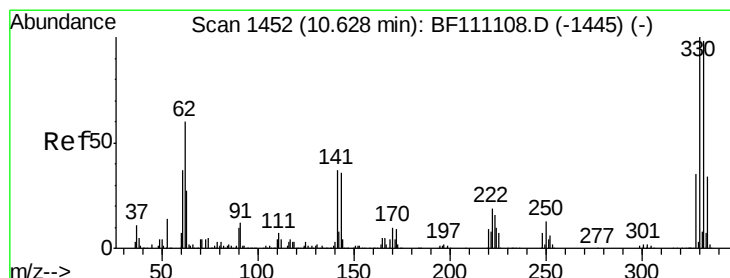
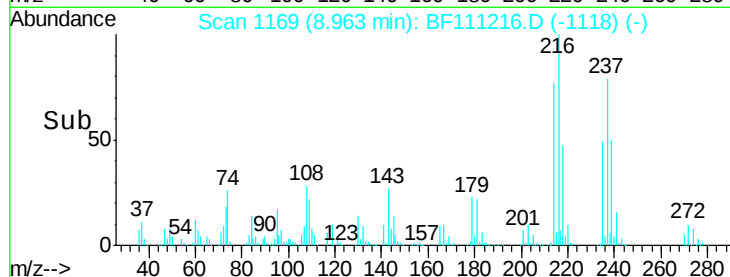
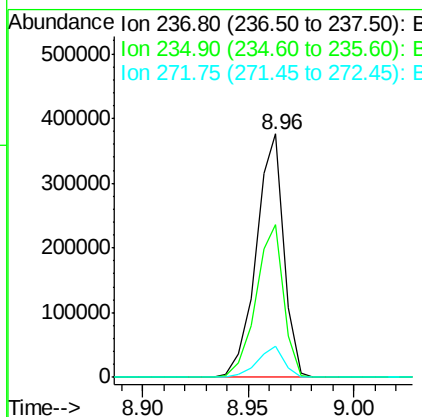
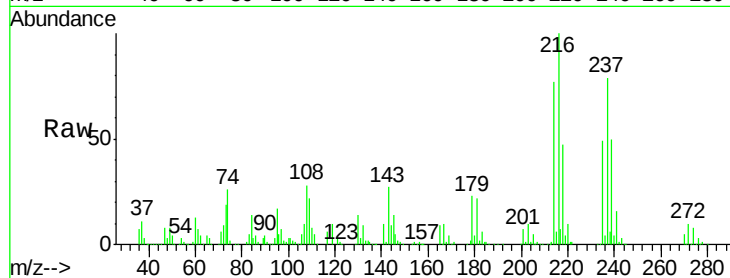
ClientSampleId :

PB115436BS

Tgt Ion:	237	Resp:	341495
Ion Ratio	Lower	Upper	
237	100		
235	62.6	41.9	81.9
272	12.9	0.0	32.7

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#42

2,4,6-Tribromophenol

Concen: 104.328 ng

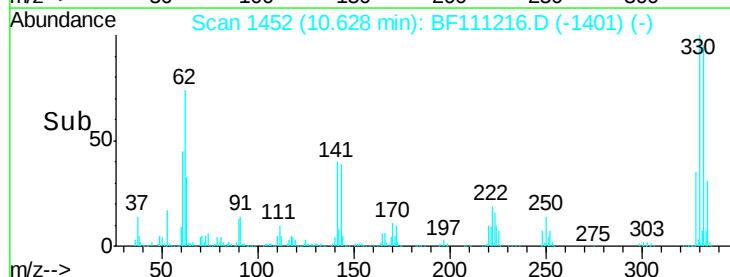
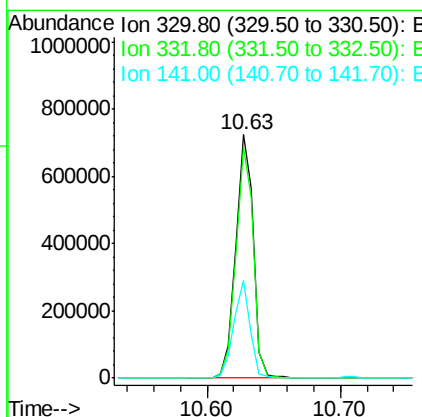
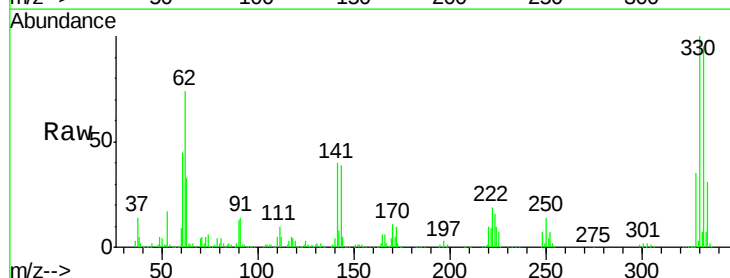
RT: 10.63 min Scan# 1452

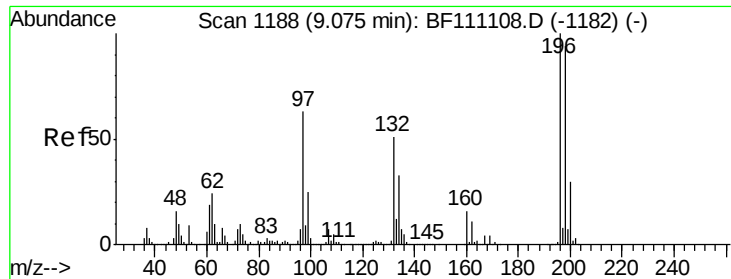
Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Tgt Ion:	330	Resp:	667831
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.2	115.8
141	38.0	36.1	54.1





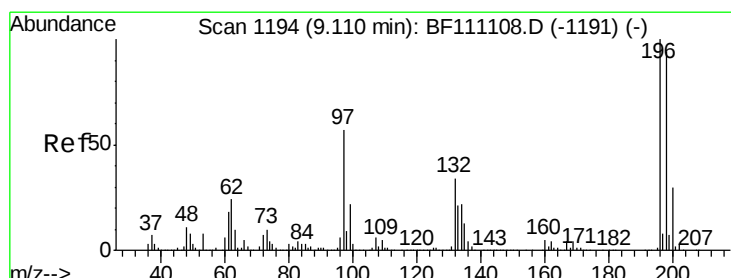
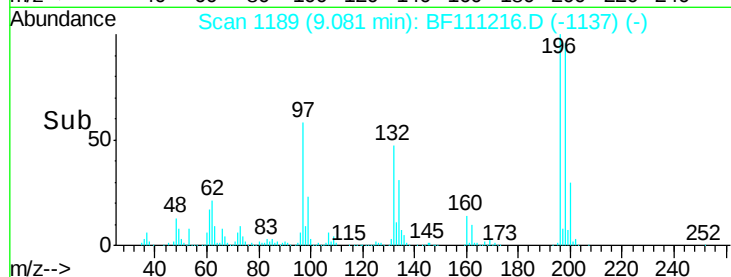
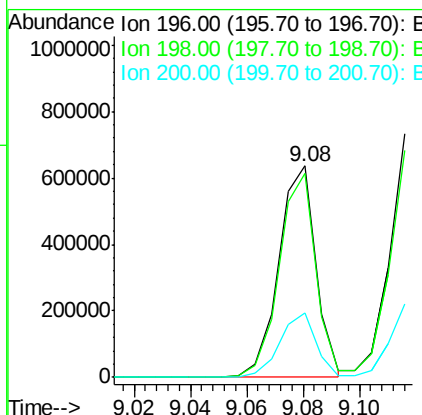
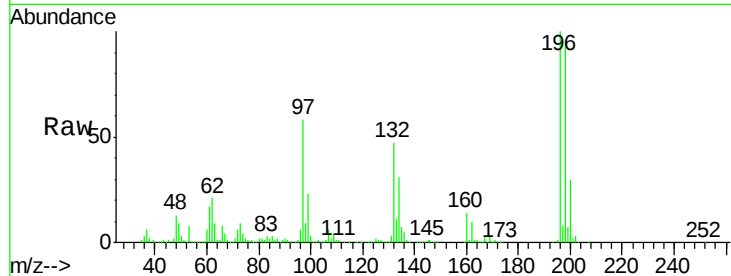
#43
 2,4,6-Trichlorophenol
 Concen: 36.986 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Instrument :
 BNA_F
 ClientSampled :
 PB115436BS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	579783		
198	96.4	75.4	113.0	
200	30.4	24.2	36.4	

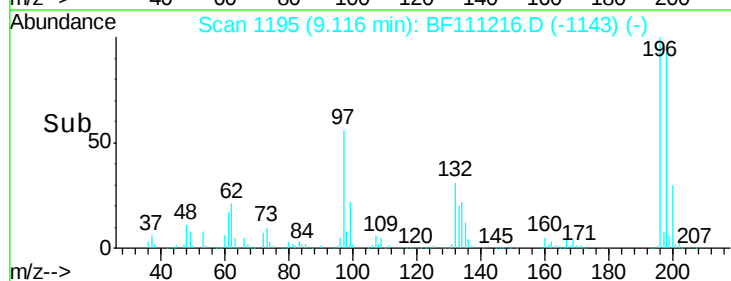
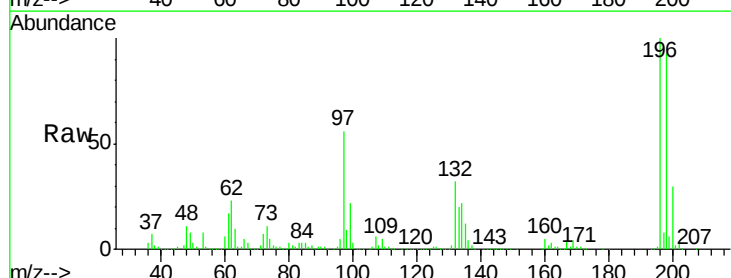
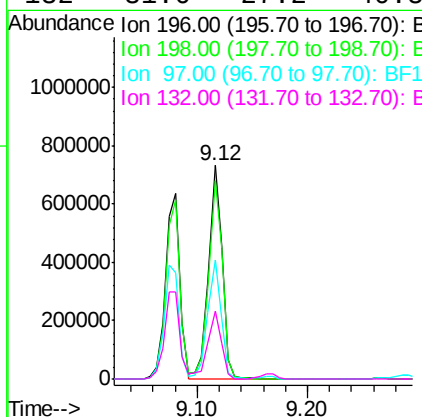
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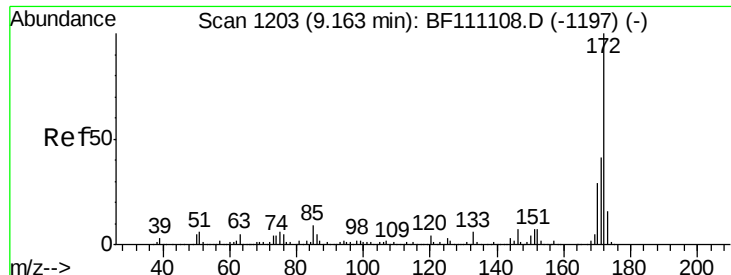
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#44
 2,4,5-Trichlorophenol
 Concen: 38.016 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	604096		
198	93.1	75.0	112.4	
97	56.0	46.2	69.4	
132	31.6	27.2	40.8	





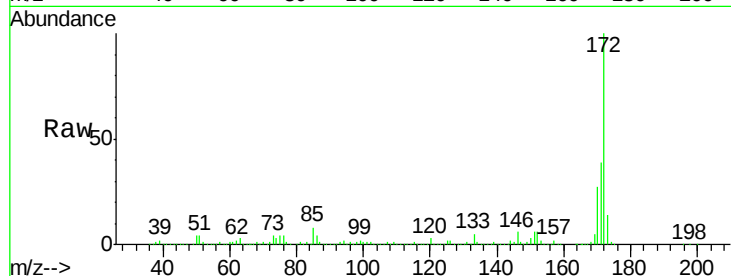
#45
2-Fluorobiphenyl
Concen: 85.096 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

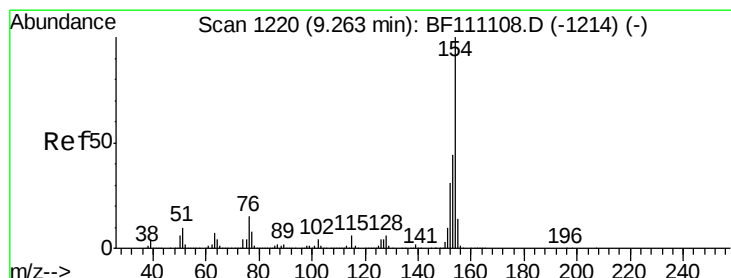
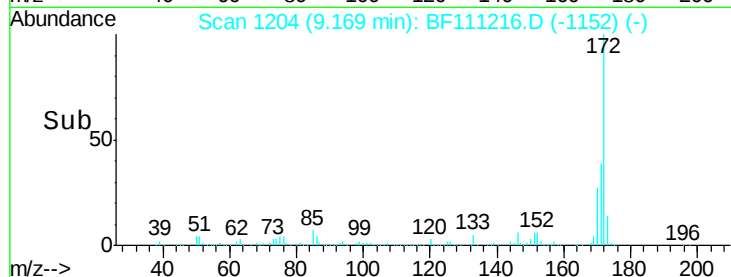
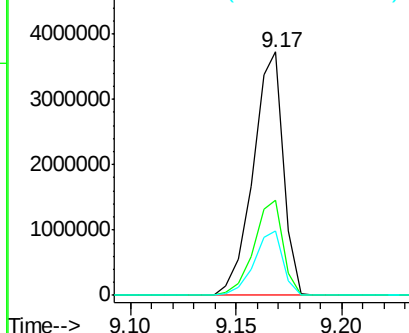
Tgt Ion:172 Resp: 3701424
Ion Ratio Lower Upper
172 100
171 39.2 33.2 49.8
170 26.7 22.9 34.3

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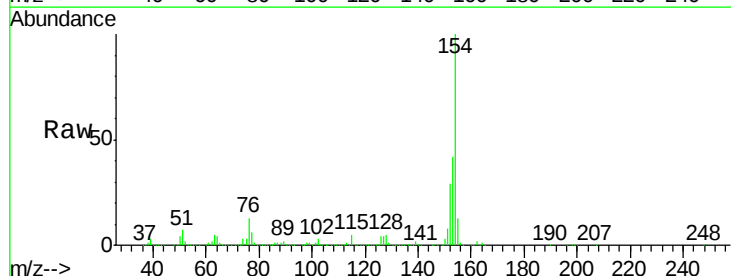


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

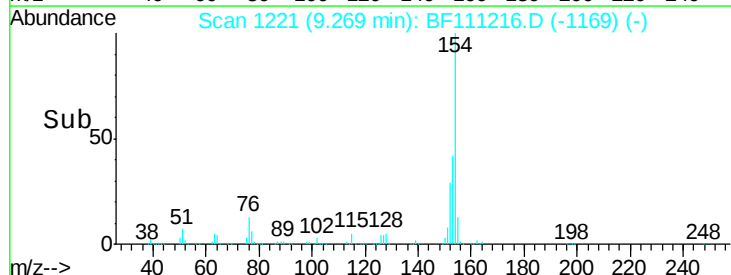
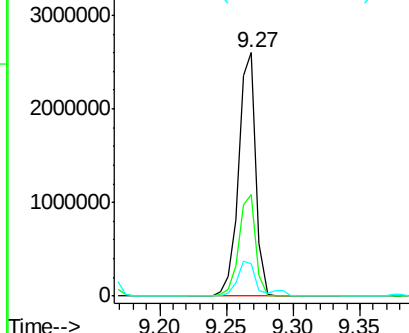


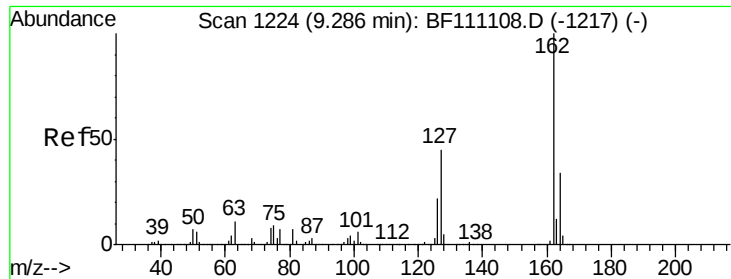
#46
1,1'-Biphenyl
Concen: 35.311 ng
RT: 9.27 min Scan# 1221
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion:154 Resp: 2327848
Ion Ratio Lower Upper
154 100
153 41.7 23.7 63.7
76 13.4 0.0 35.0



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





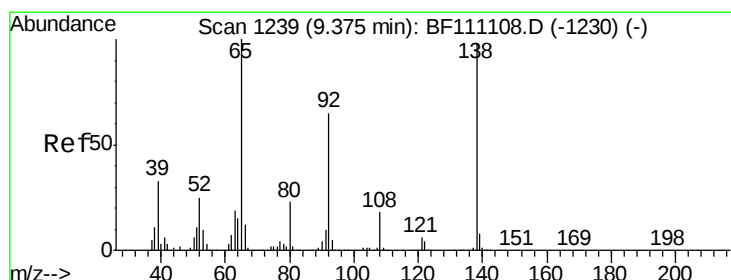
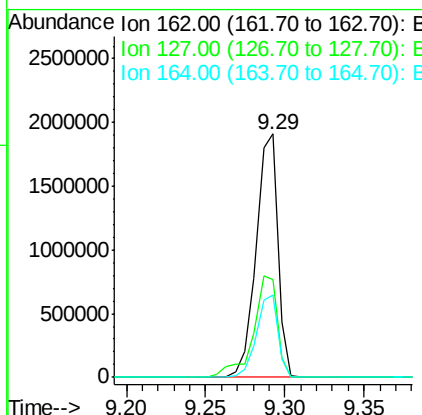
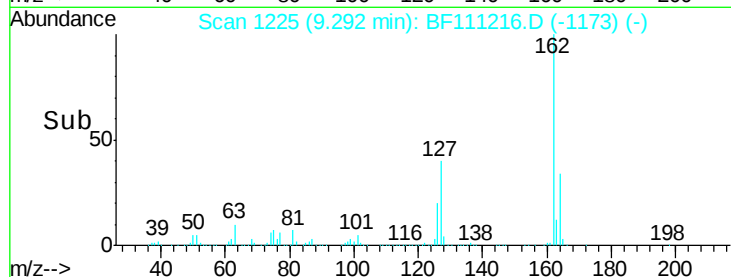
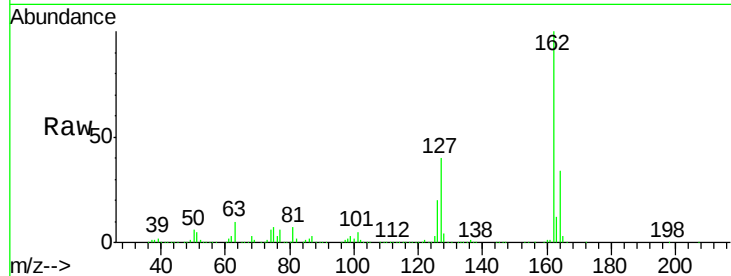
#47
 2-Chloronaphthalene
 Concen: 35.771 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :
 PB115436BS

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.1	36.4	54.6
164	34.0	27.3	40.9

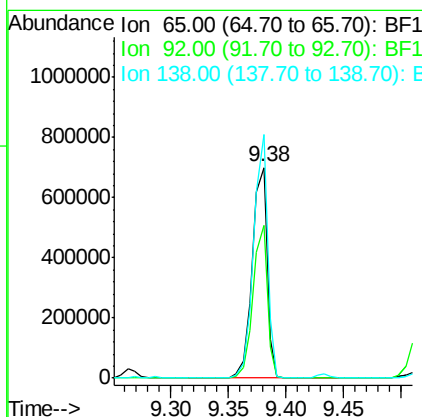
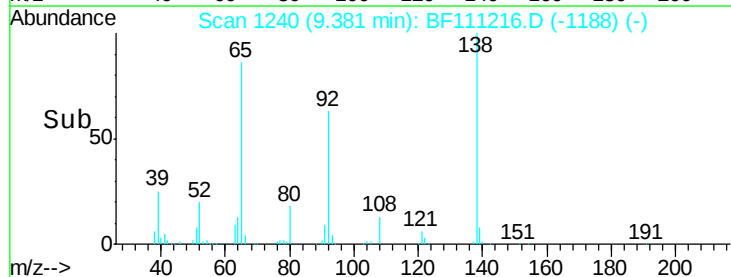
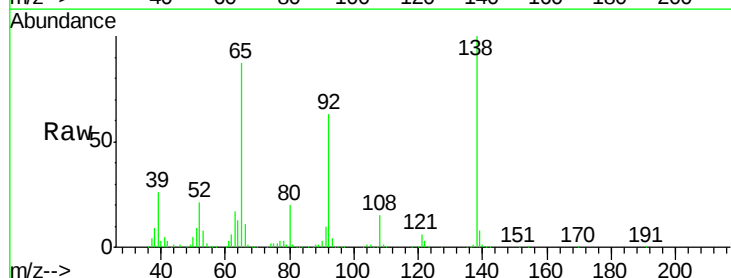
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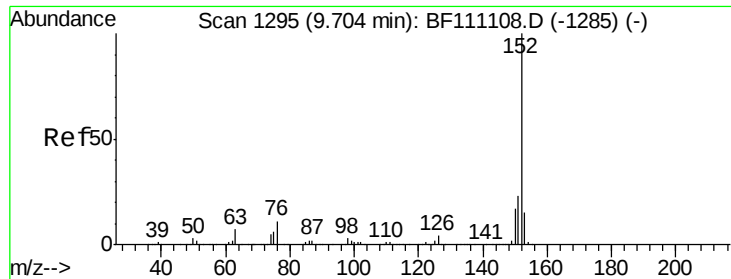
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#48
 2-Nitroaniline
 Concen: 37.976 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.5	52.1	78.1
138	115.4	78.2	117.4





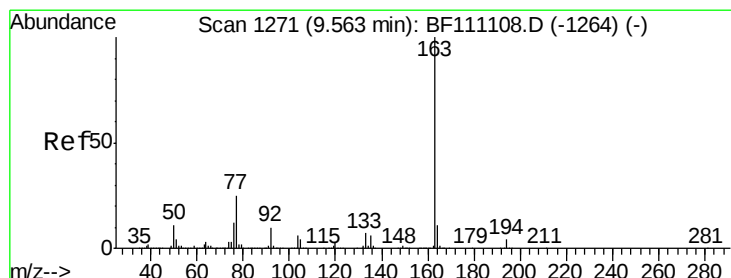
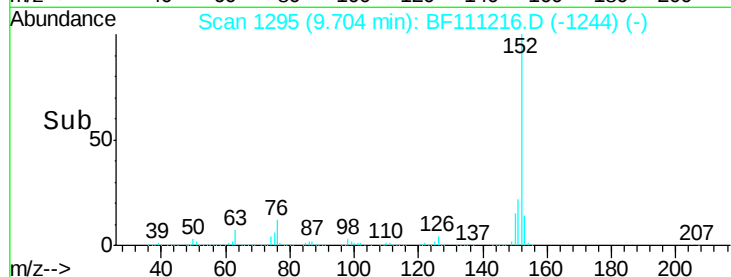
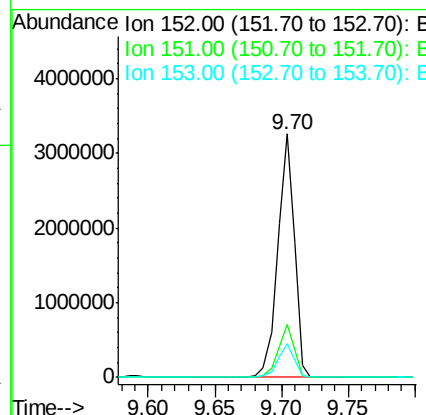
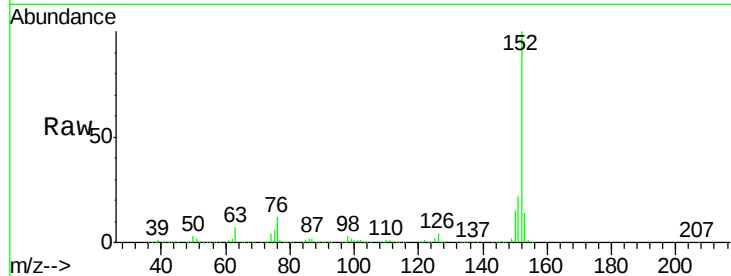
#49
Acenaphthylene
Concen: 39.723 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion:152 Resp: 2844369
Ion Ratio Lower Upper
152 100
151 21.7 18.3 27.5
153 14.1 11.8 17.8

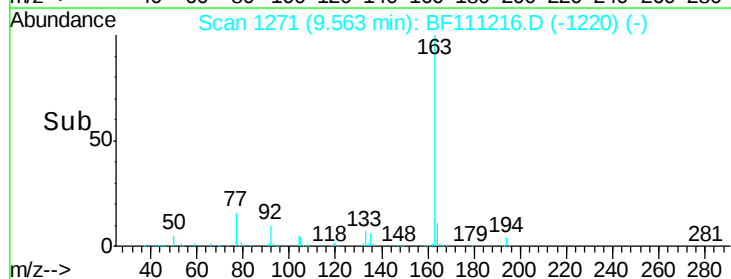
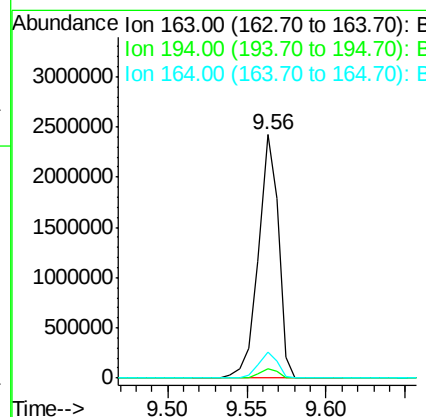
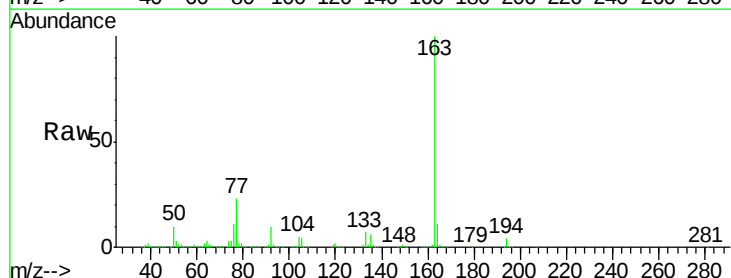
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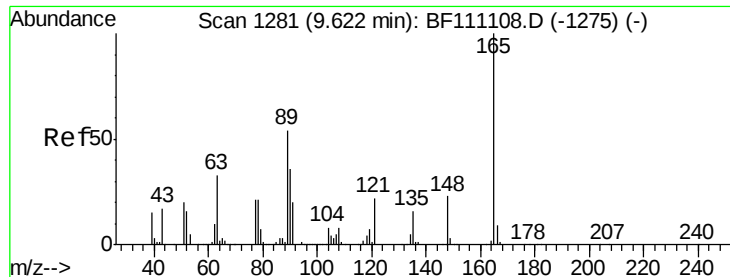
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#50
Dimethylphthalate
Concen: 37.879 ng
RT: 9.56 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion:163 Resp: 2122962
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.7 8.9 13.3





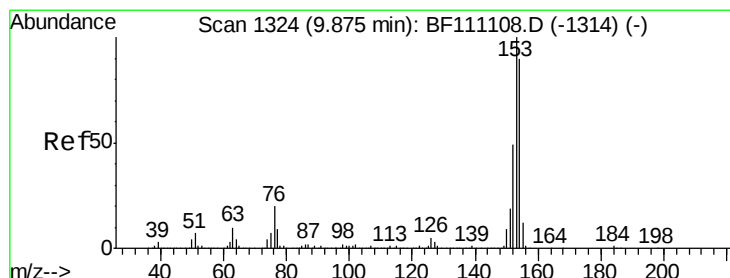
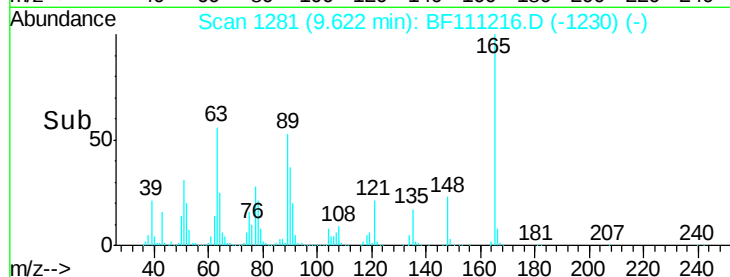
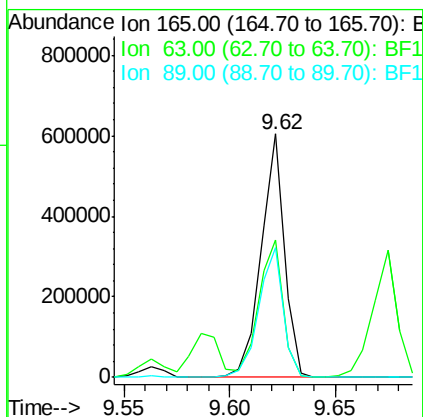
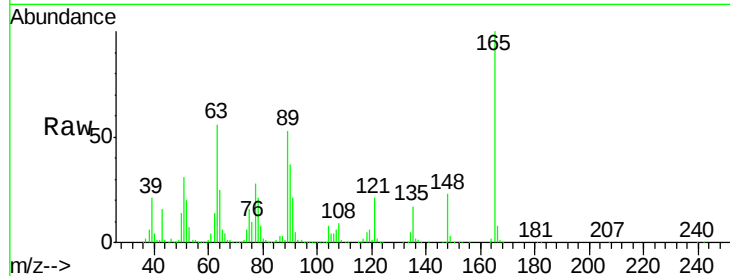
#51
 2,6-Dinitrotoluene
 Concen: 39.221 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :
 PB115436BS

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	466054		
63	56.3	44.7	67.1	
89	53.1	43.0	64.4	

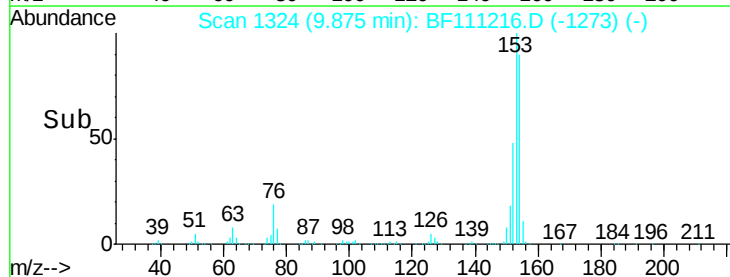
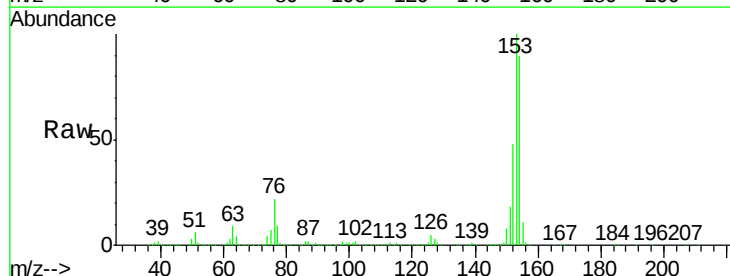
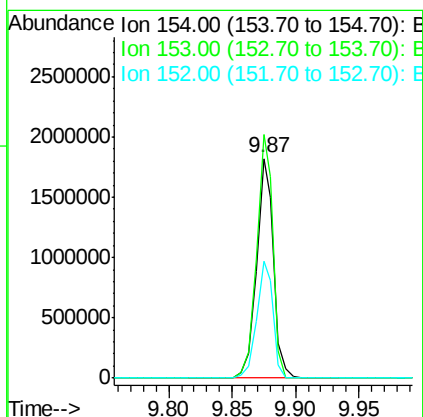
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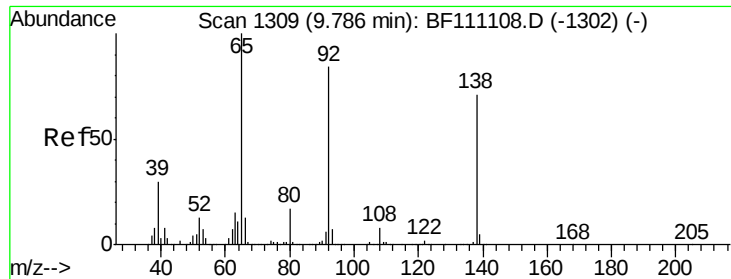
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#52
 Acenaphthene
 Concen: 36.310 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1717668		
153	110.8	88.7	133.1	
152	53.4	43.8	65.8	





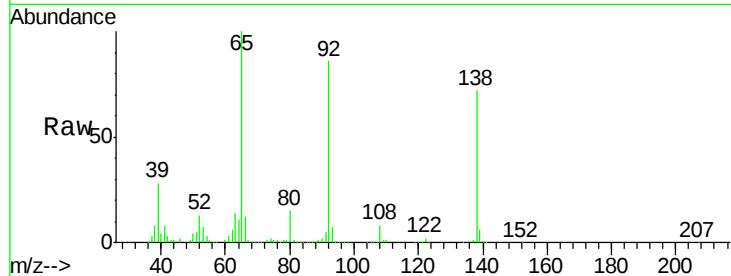
#53
3-Nitroaniline
Concen: 15.003 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

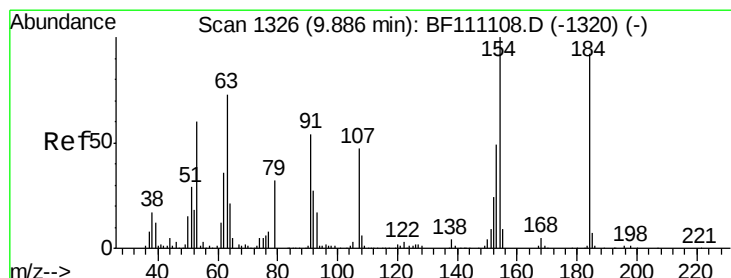
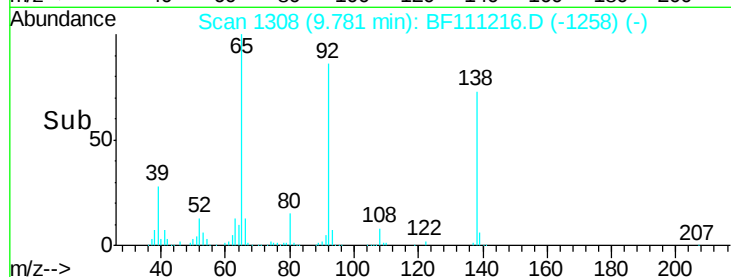
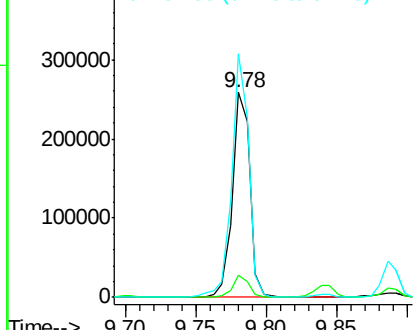
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	223934		
108	10.6	9.4	14.0	
92	118.8	94.1	141.1	

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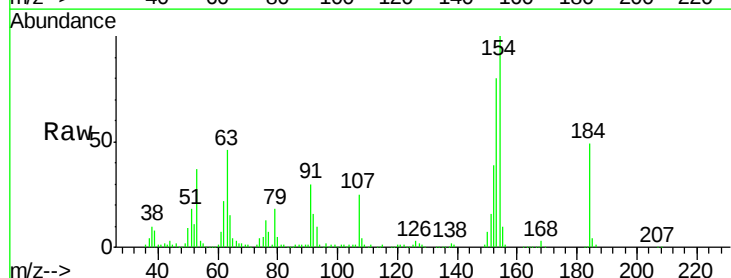


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

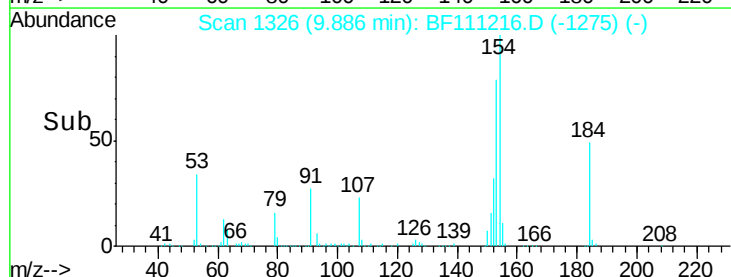
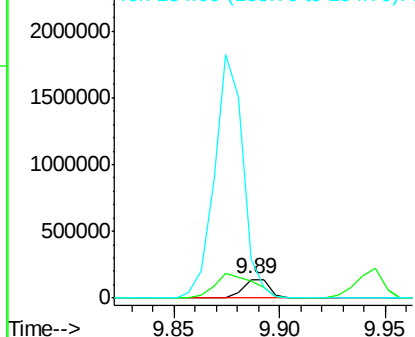


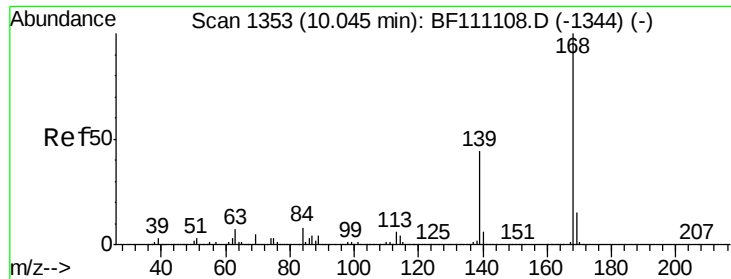
#54
2,4-Dinitrophenol
Concen: 36.645 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	123282		
63	94.5	64.2	96.4	
154	205.7	89.5	134.3#	



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





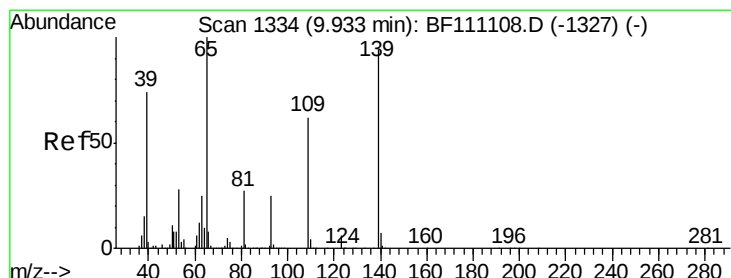
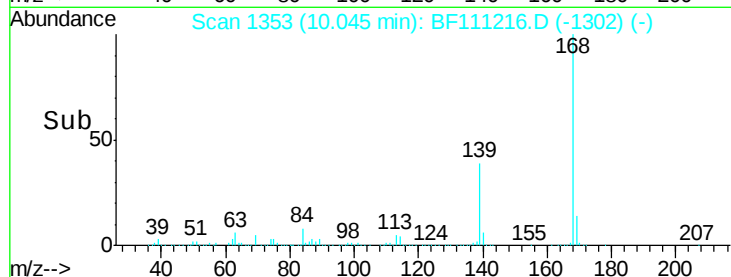
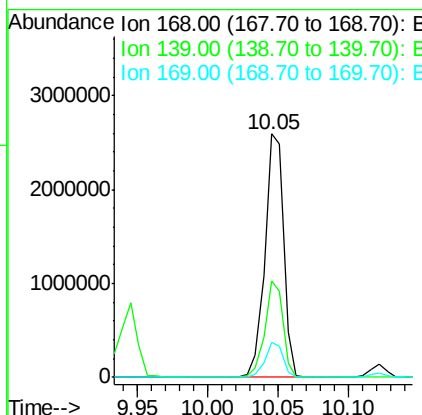
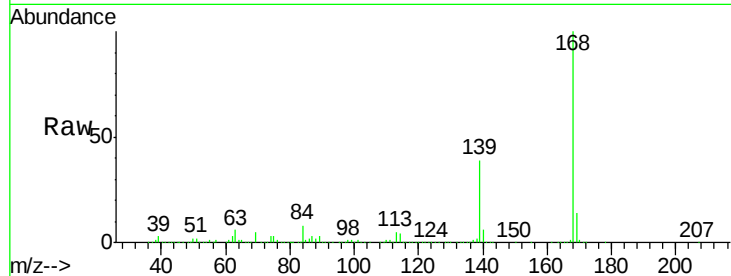
#55
Dibenzenofuran
Concen: 37.697 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion:168 Resp: 2456227
Ion Ratio Lower Upper
168 100
139 39.5 35.1 52.7
169 14.5 12.2 18.4

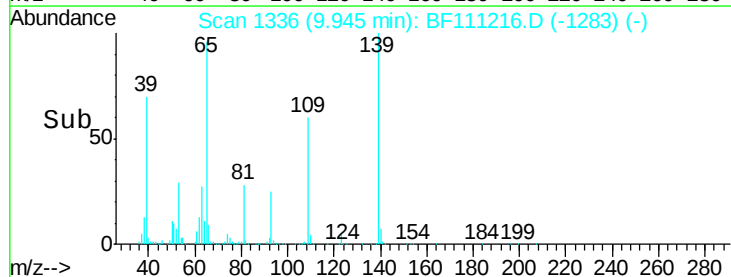
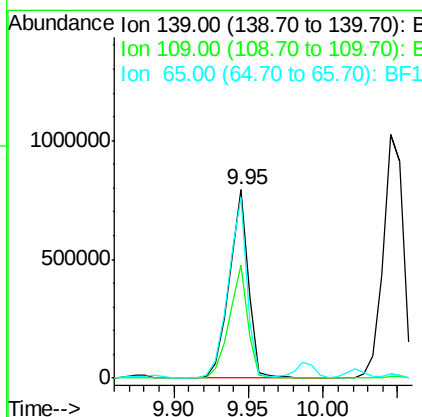
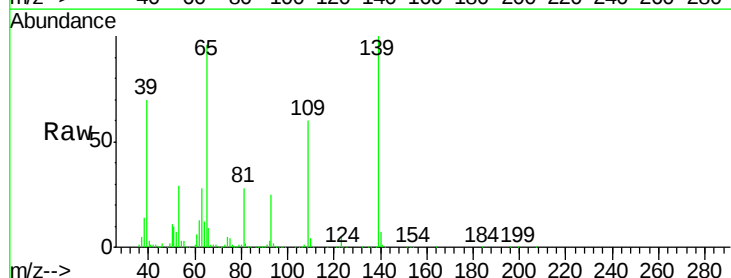
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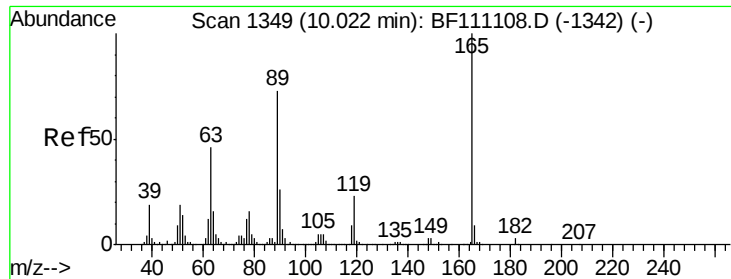
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#56
4-Nitrophenol
Concen: 64.556 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion:139 Resp: 726103
Ion Ratio Lower Upper
139 100
109 60.0 46.1 86.1
65 95.7 87.0 127.0





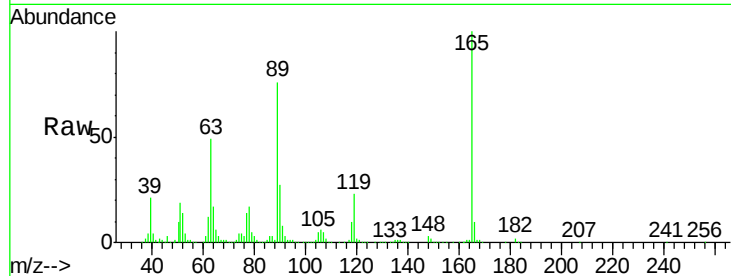
#57
2,4-Dinitrotoluene
Concen: 39.425 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	605035		
63	48.7	36.7	55.1	
89	76.2	58.4	87.6	
182	2.5	2.1	3.1	

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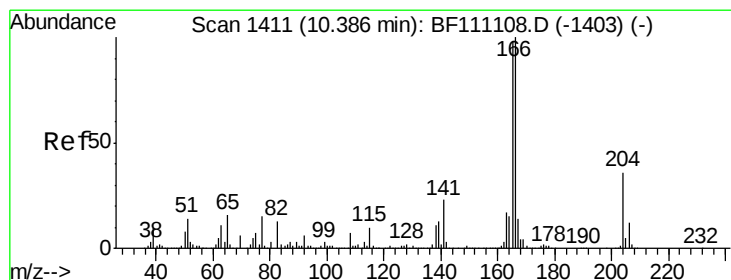
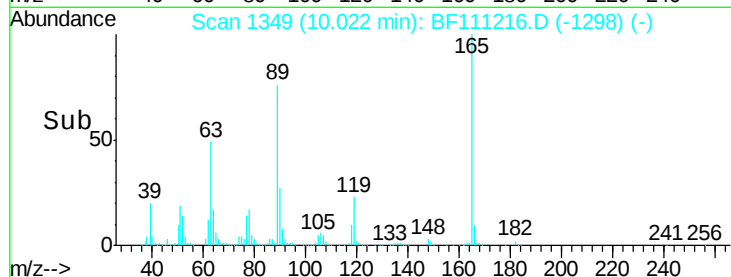
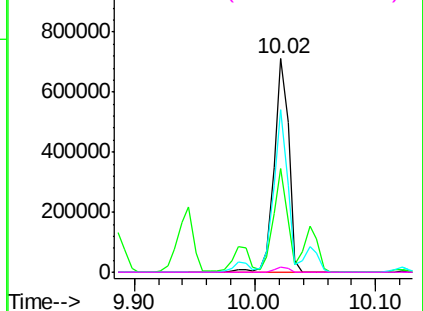


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

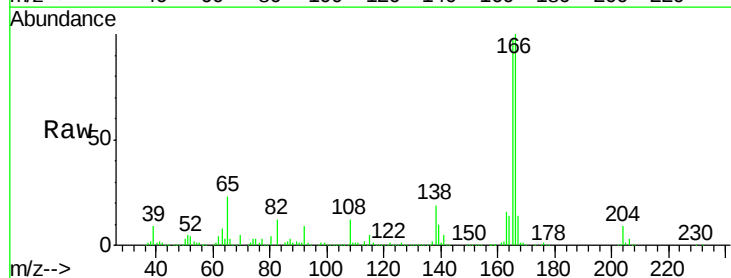
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 38.069 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

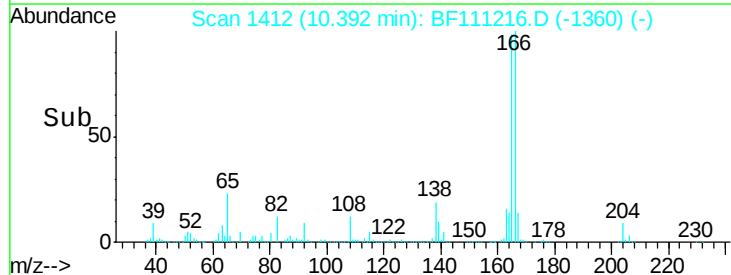
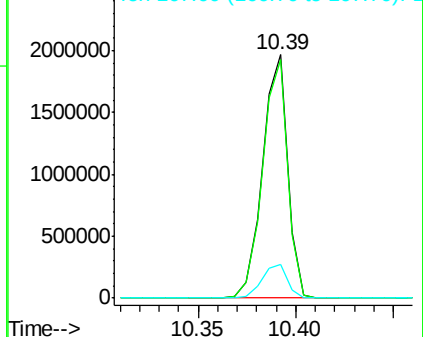
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1749183		
165	98.0	78.4	117.6	
167	13.7	11.4	17.2	

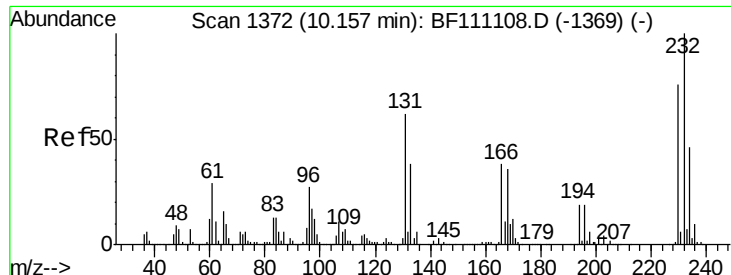


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





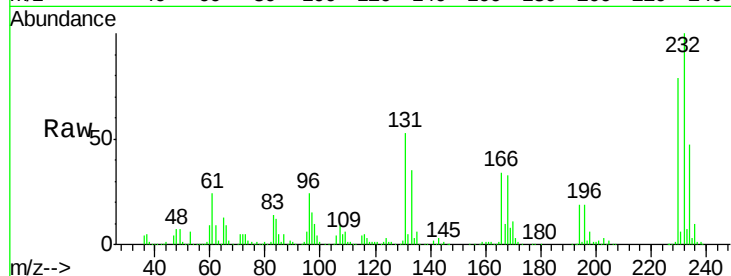
#59
2,3,4,6-Tetrachlorophenol
Concen: 37.748 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion	Ratio	Lower	Upper
232	100		
131	51.8	40.4	60.6
130	2.4	2.1	3.1
166	33.8	23.0	34.6

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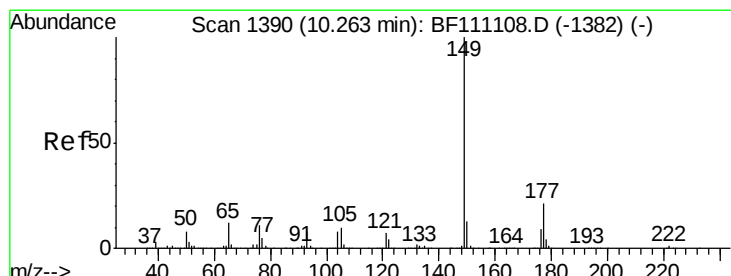
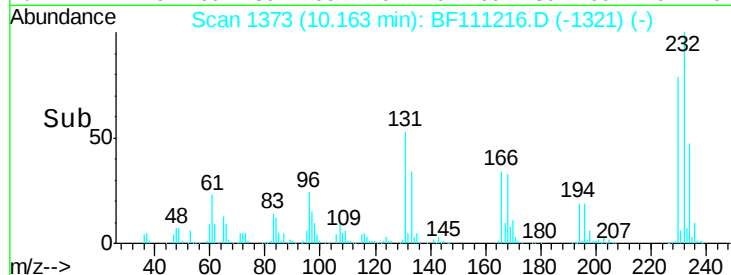
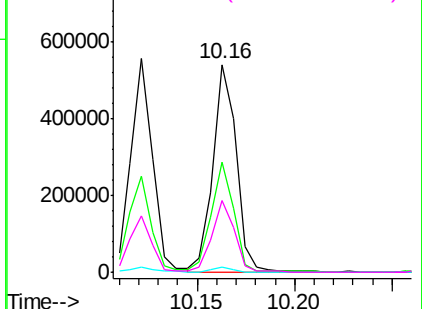
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 36.188 ng
RT: 10.26 min Scan# 1390
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

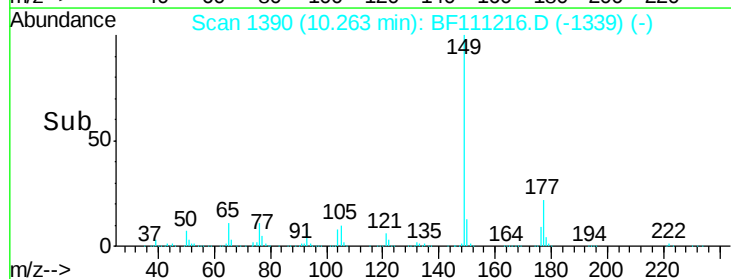
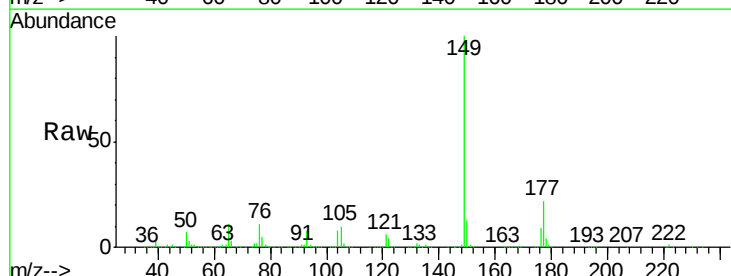
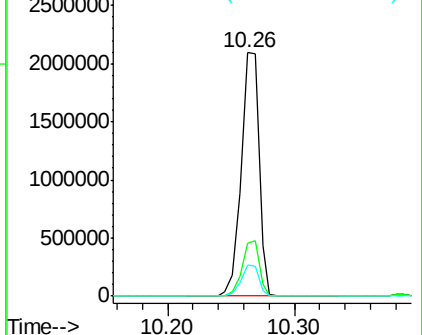
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.0	25.6
150	12.8	10.5	15.7

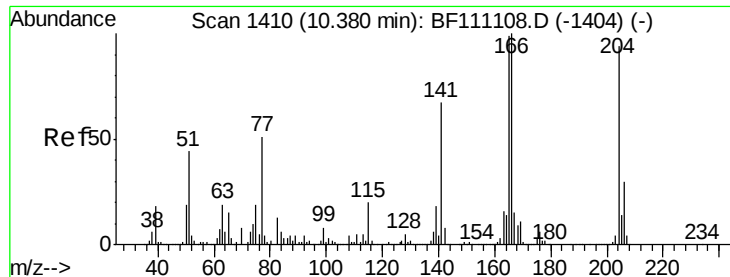
Abundance

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





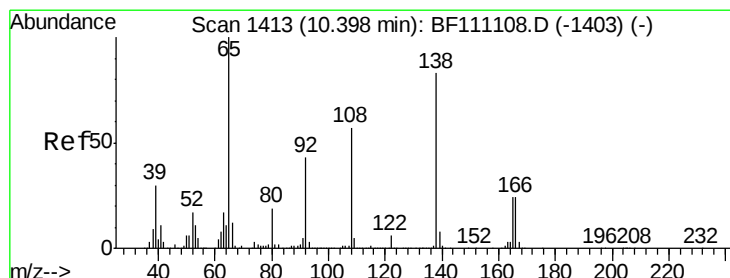
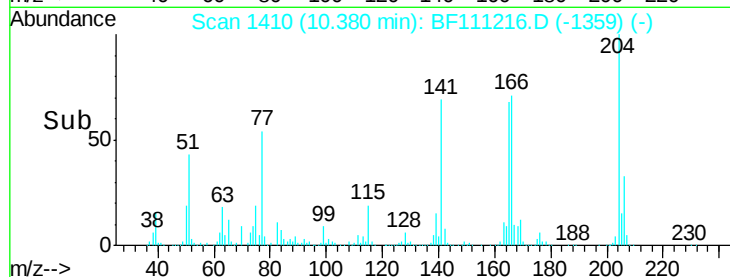
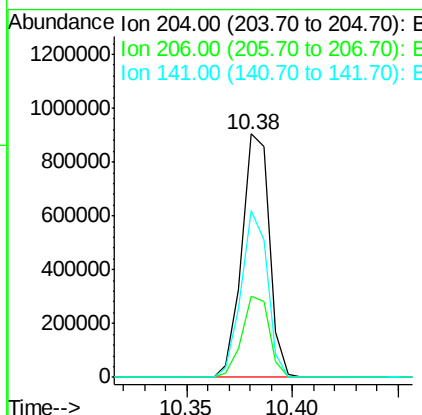
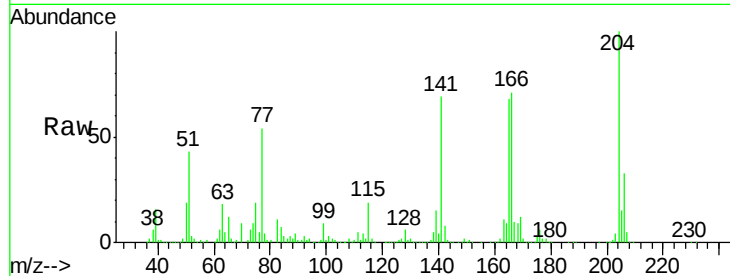
#61
 4-Chlorophenyl-phenylether
 Concen: 36.079 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :
 PB115436BS

Tgt Ion:	204	Resp:	816951
Ion Ratio	Lower	Upper	
204	100		
206	33.2	25.9	38.9
141	68.6	57.4	86.0

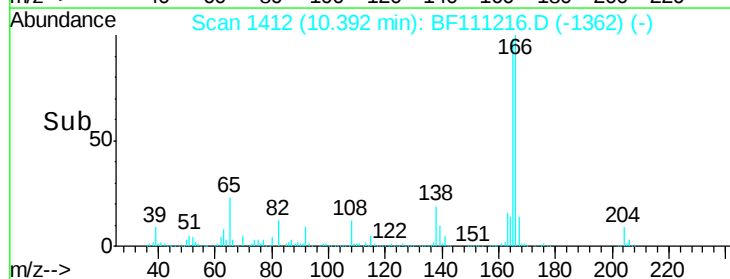
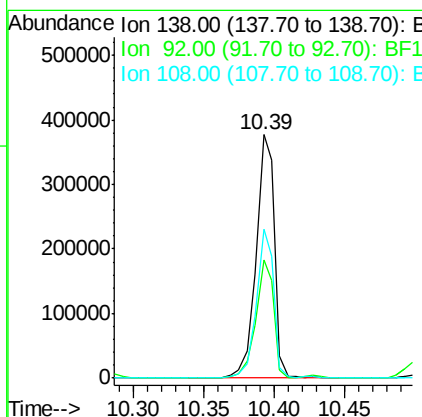
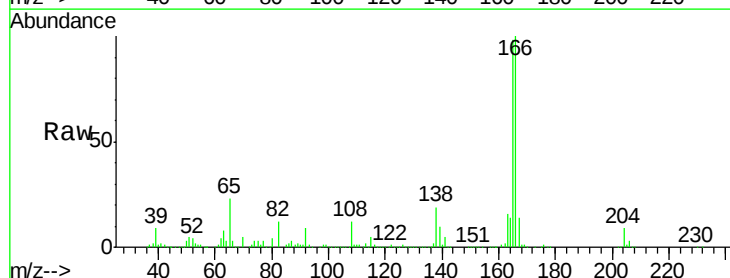
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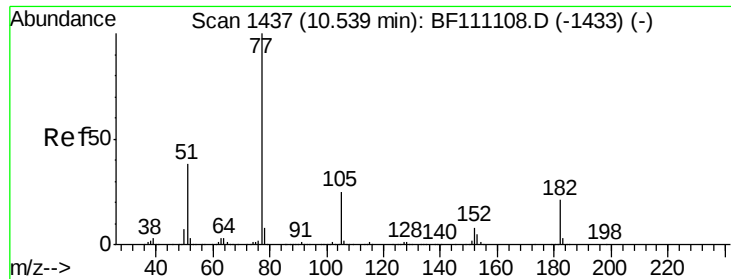
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#62
 4-Nitroaniline
 Concen: 25.701 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Tgt Ion:	138	Resp:	346230
Ion Ratio	Lower	Upper	
138	100		
92	48.4	31.6	71.6
108	61.0	48.3	88.3





#63

Azobenzene

Concen: 35.033 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

ClientSampleId :

PB115436BS

Tgt Ion: 77 Resp: 2089064

Ion Ratio Lower Upper

77 100

182 25.7 1.4 41.4

105 25.8 4.7 44.7

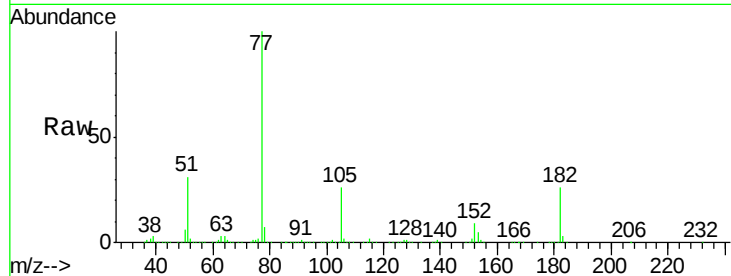
51 31.3 18.0 58.0

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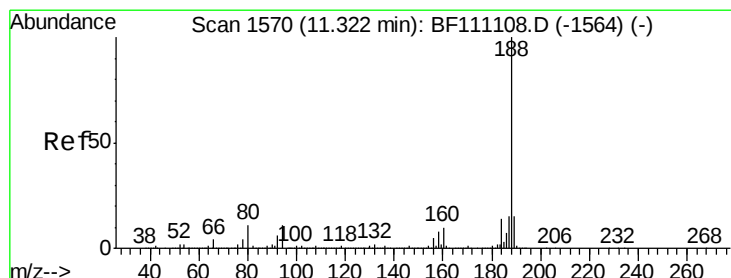
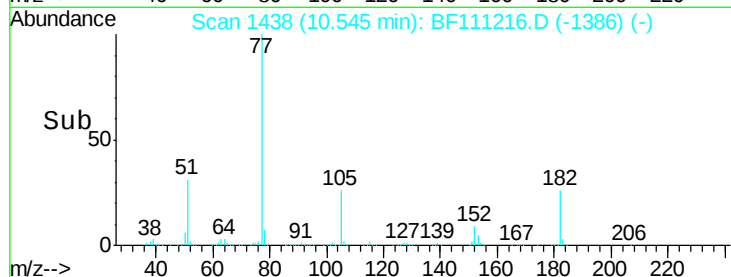
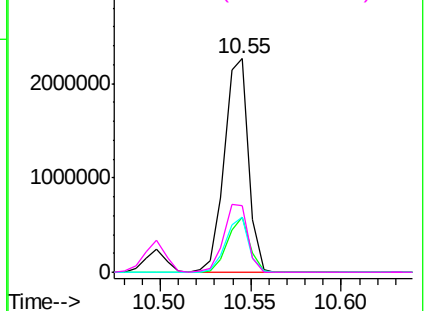


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

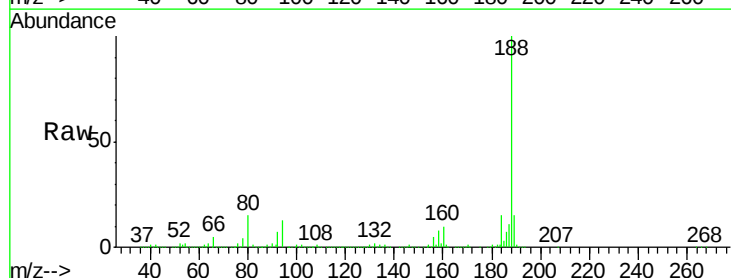
Tgt Ion: 188 Resp: 1178154

Ion Ratio Lower Upper

188 100

94 13.3 8.5 12.7#

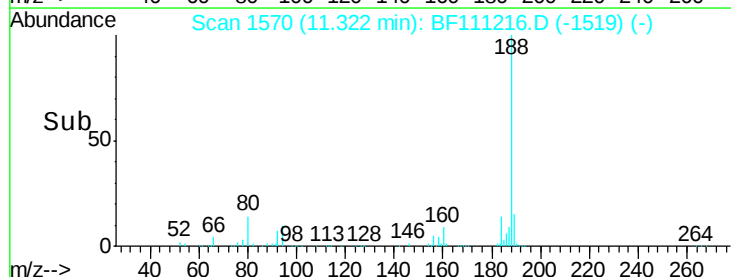
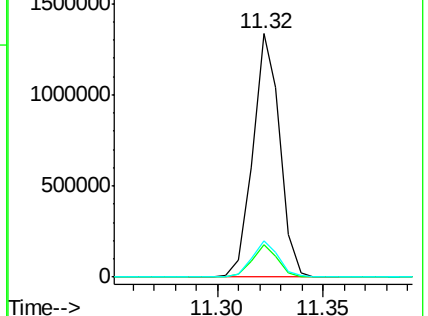
80 14.8 9.0 13.6#

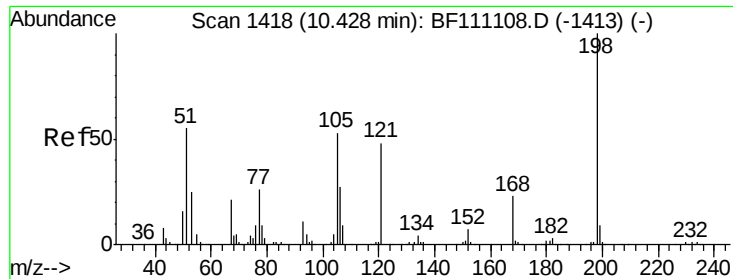


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





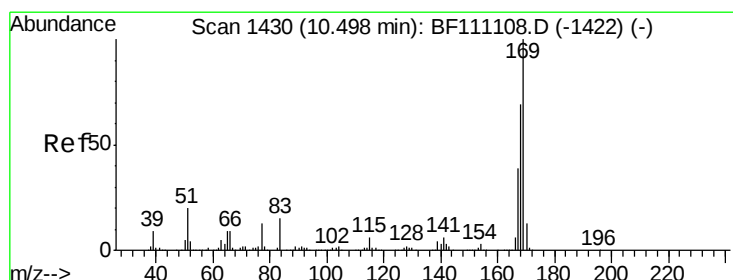
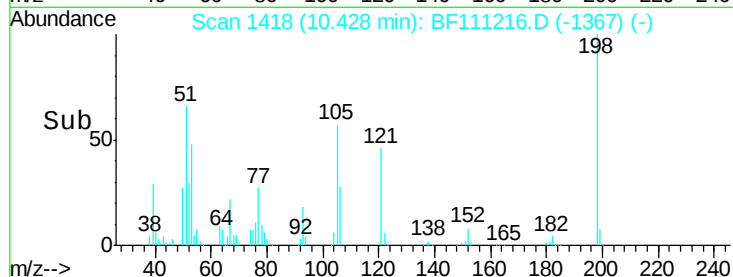
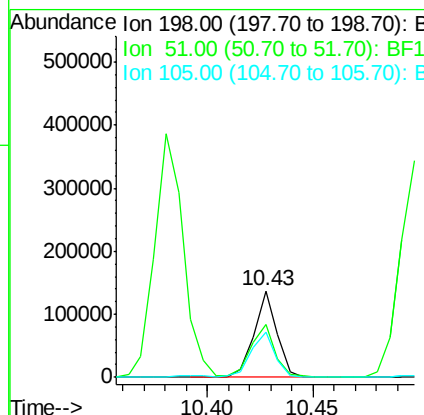
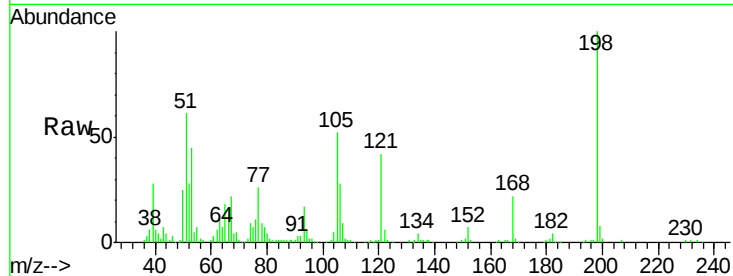
#65
 4,6-Dinitro-2-methylphenol
 Concen: 21.397 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Instrument :
 BNA_F
 ClientSampled :
 PB115436BS

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	104147		
51	61.1	48.8	88.8	
105	51.9	35.2	75.2	

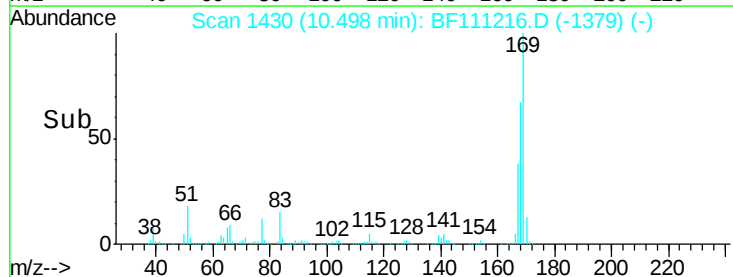
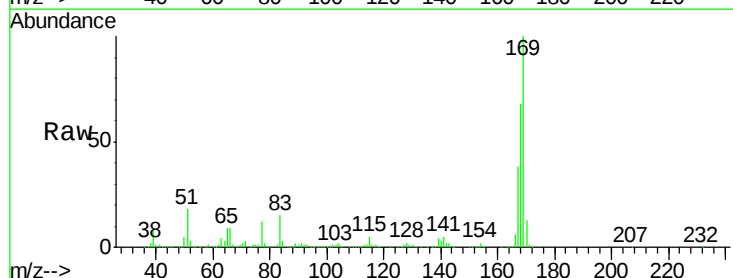
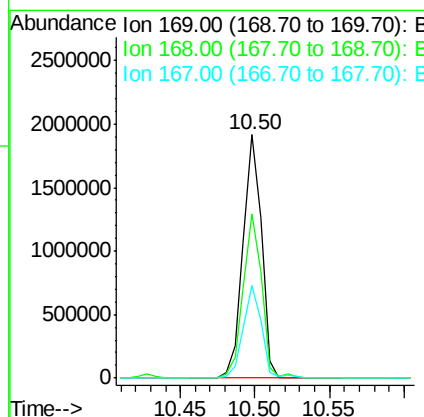
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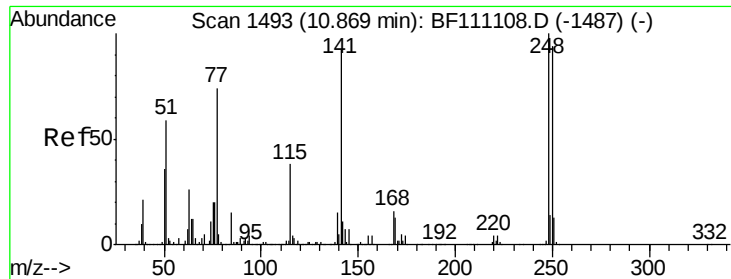
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#66
 n-Nitrosodiphenylamine
 Concen: 40.100 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. 0.00 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1654257		
168	67.5	55.4	83.2	
167	38.0	31.1	46.7	





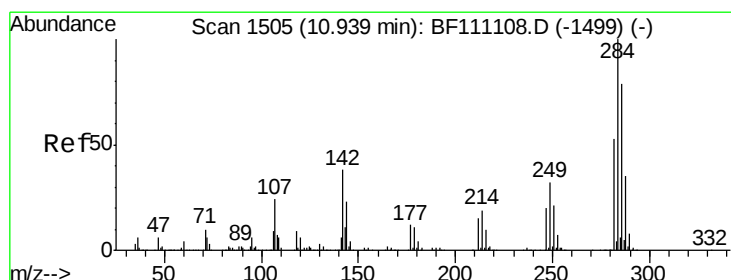
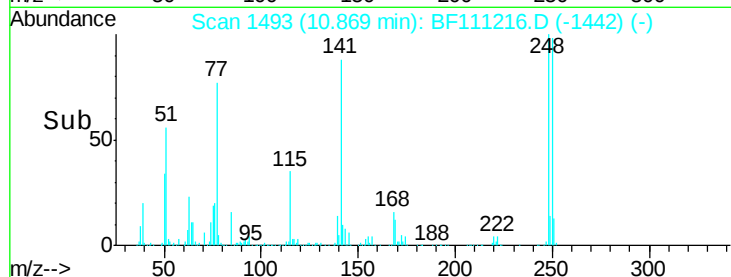
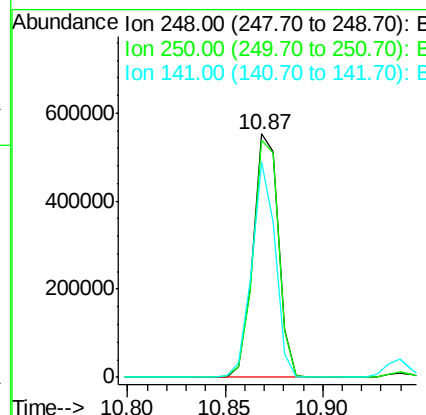
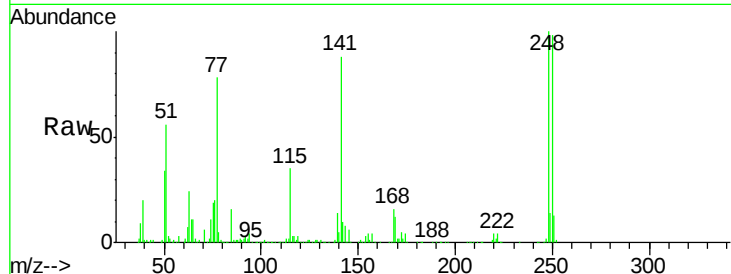
#67
4-Bromophenyl-phenylether
Concen: 39.879 ng
RT: 10.87 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.6	75.4	113.0
141	88.5	73.8	110.6

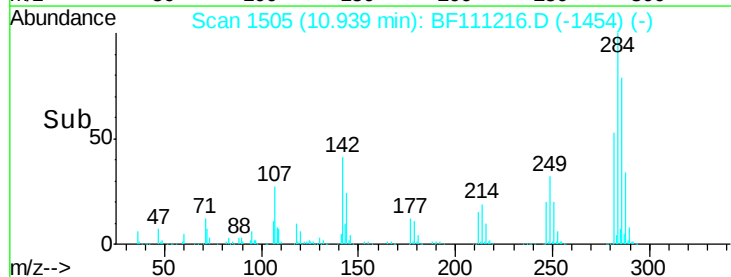
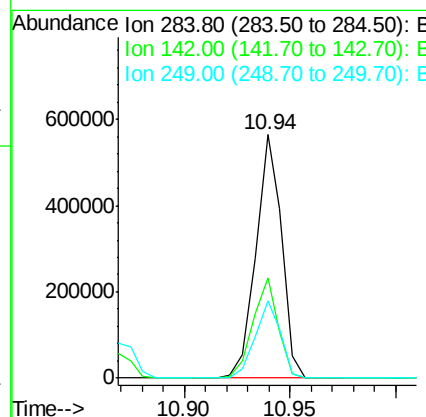
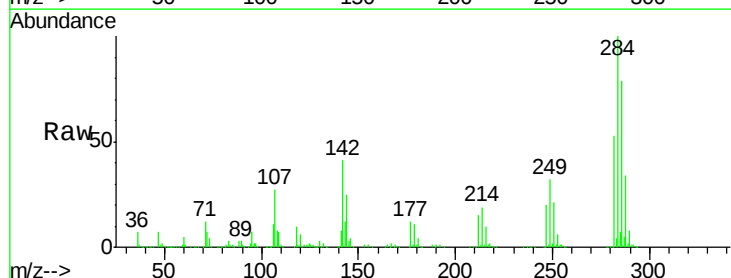
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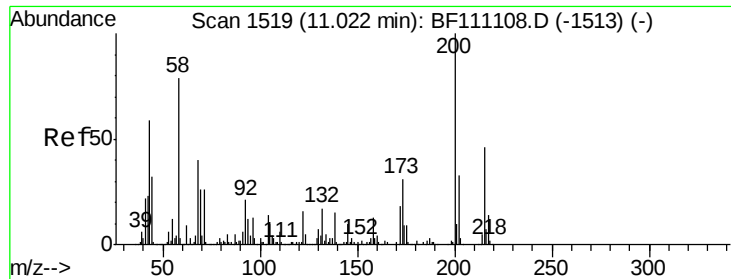
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#68
Hexachlorobenzene
Concen: 37.410 ng
RT: 10.94 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Lower	Upper
284	100		
142	41.2	30.2	45.2
249	31.7	25.3	37.9





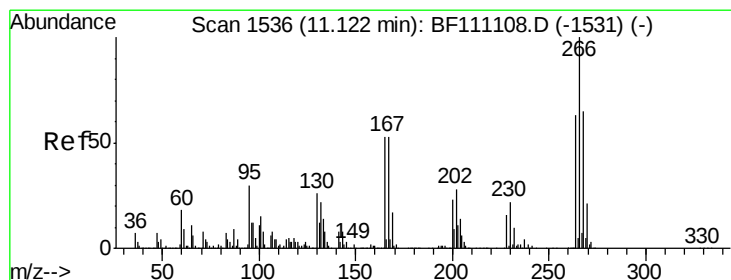
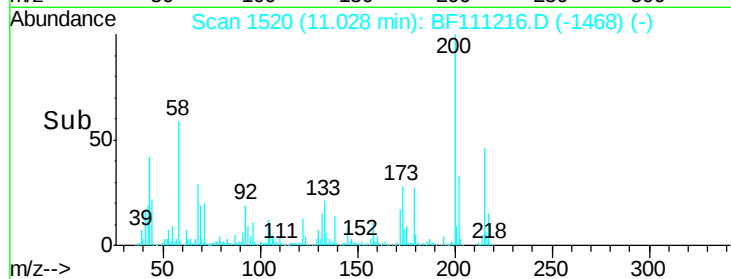
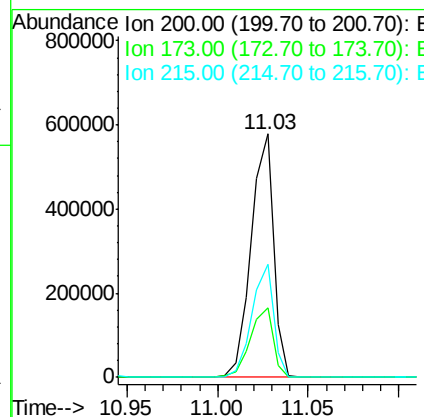
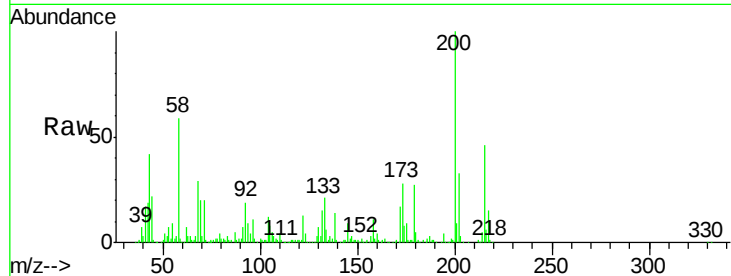
#69
Atrazine
Concen: Below Cal
RT: 11.03 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	28.5	11.3	51.3
215	46.3	25.9	65.9

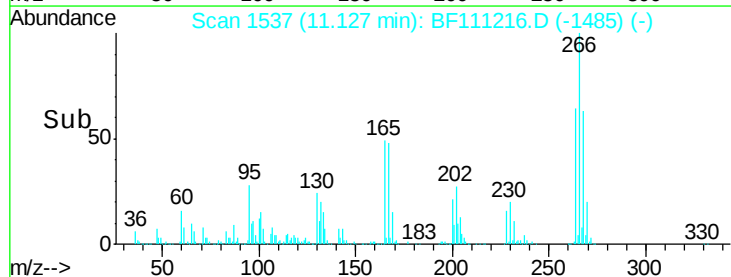
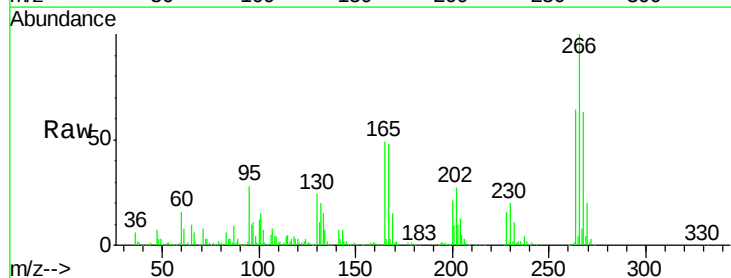
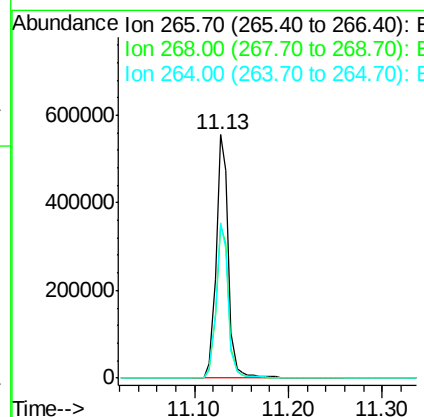
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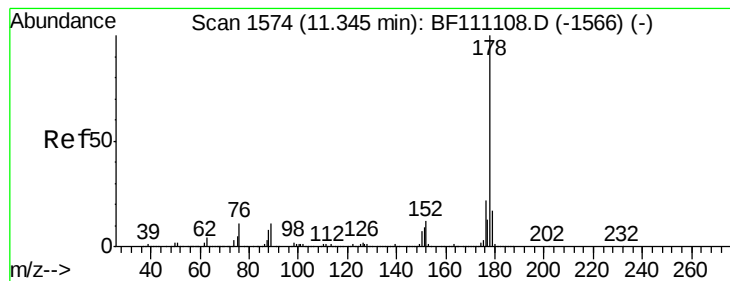
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#70
Pentachlorophenol
Concen: 62.020 ng
RT: 11.13 min Scan# 1537
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	62.5	52.2	78.4
264	63.6	50.8	76.2





#71

Phenanthrene

Concen: 40.418 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

ClientSampleId :

PB115436BS

Tgt Ion:178 Resp: 2290535

Ion Ratio Lower Upper

178 100

176 20.3 17.7 26.5

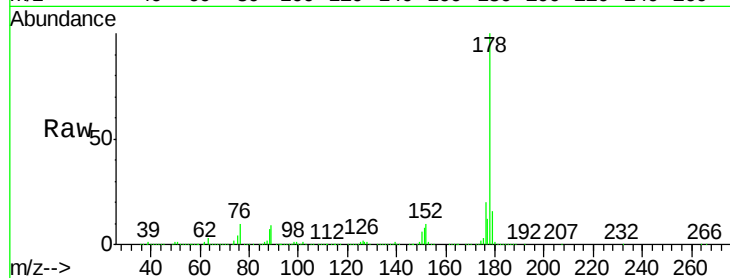
179 15.9 14.0 21.0

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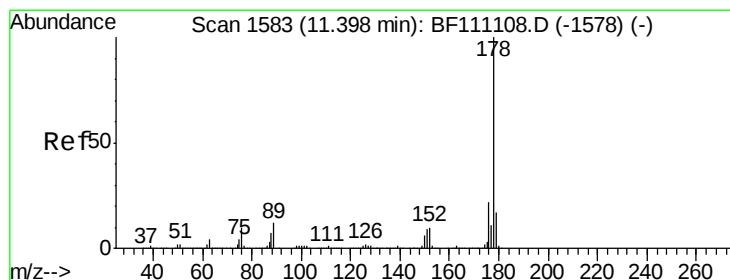
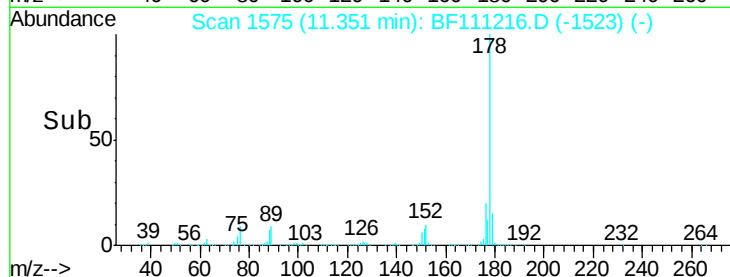
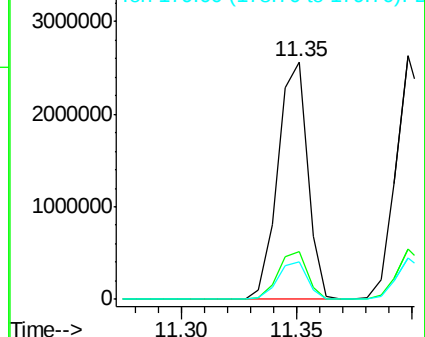
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.910 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Tgt Ion:178 Resp: 2336977

Ion Ratio Lower Upper

178 100

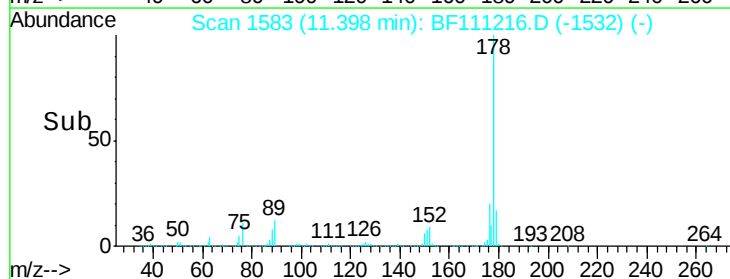
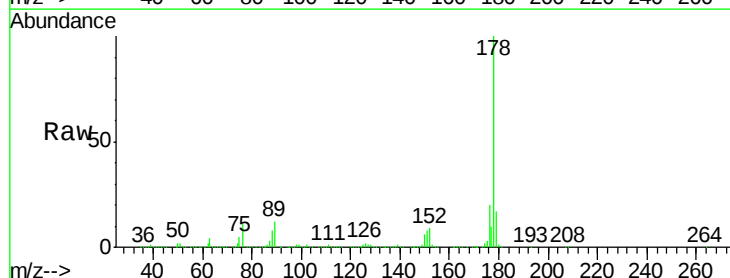
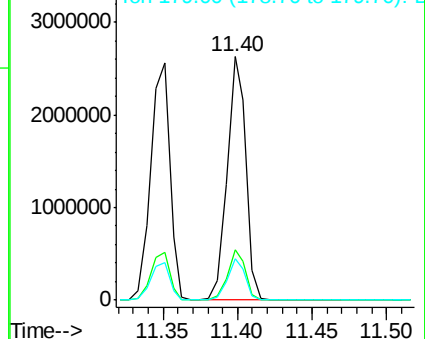
176 20.5 17.3 25.9

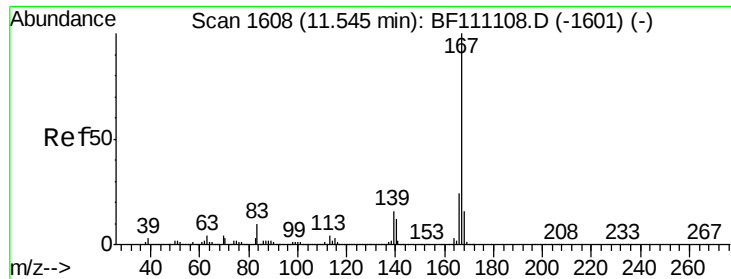
179 17.1 13.8 20.8

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





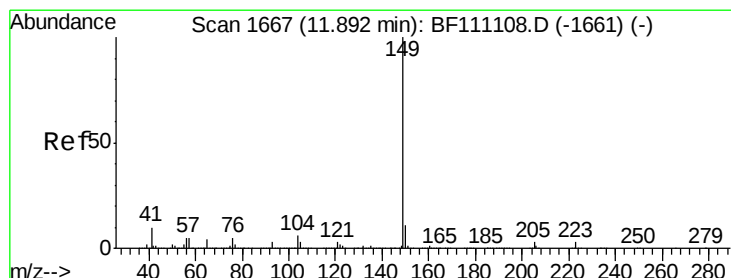
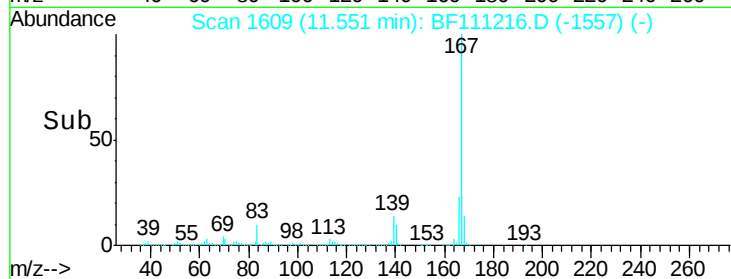
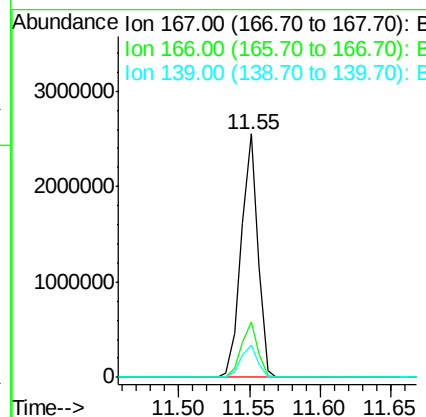
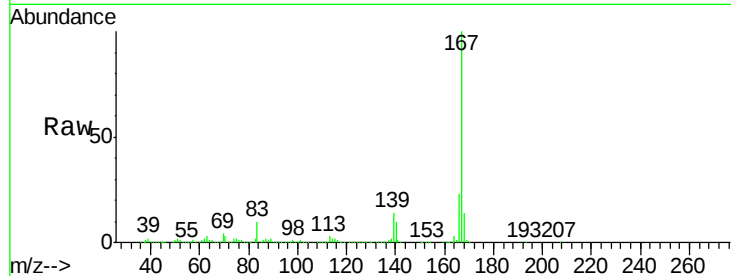
#73
 Carbazole
 Concen: 35.192 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :
 PB115436BS

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	19.4	29.0
139	13.6	12.6	18.8

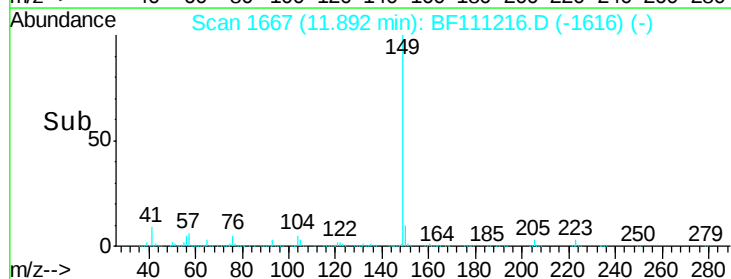
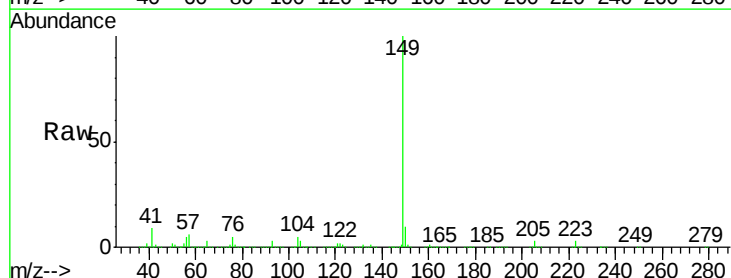
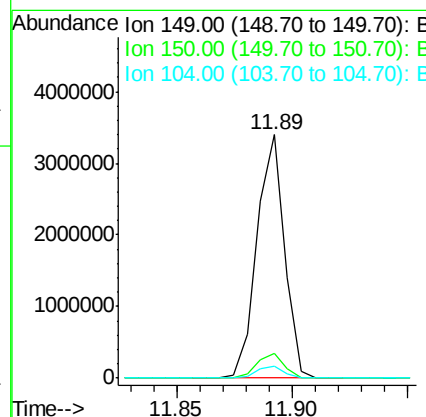
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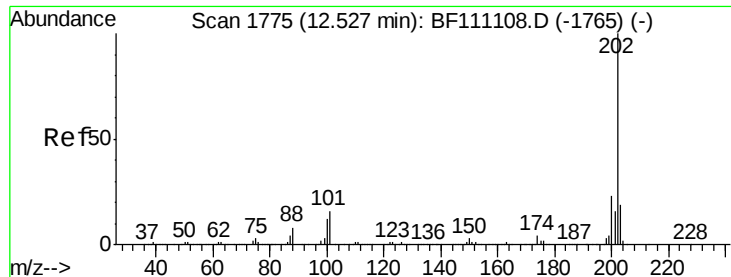
Sohil
 12/11/2018 8:44:57 AM



#74
 Di-n-butylphthalate
 Concen: 40.755 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	8.6	12.8
104	5.0	4.5	6.7





#75

Fluoranthene

Concen: 38.119 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

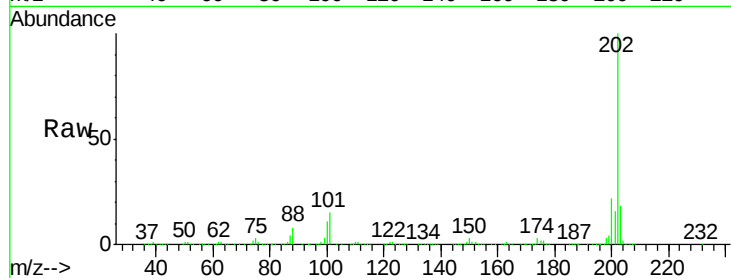
ClientSampleId :

PB115436BS

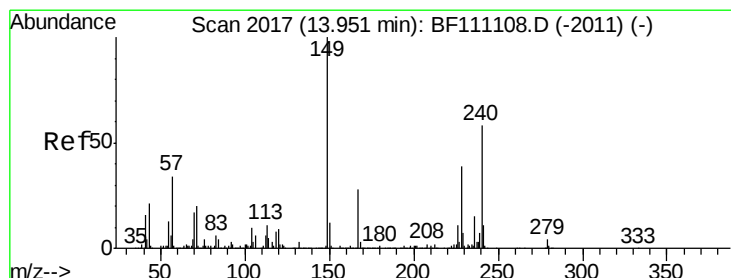
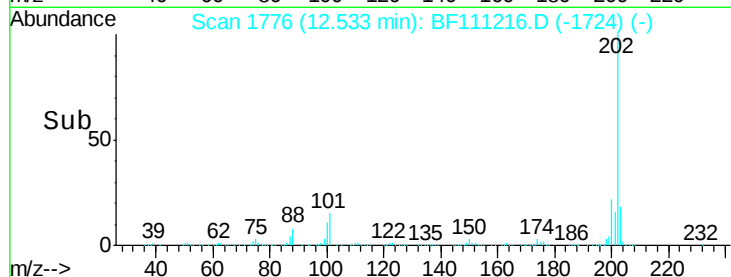
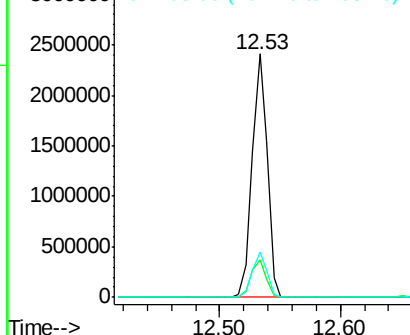
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	15.3	0.0	35.8	
203	18.4	0.0	38.6	

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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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

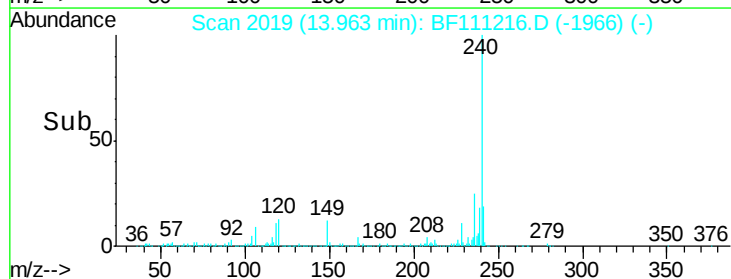
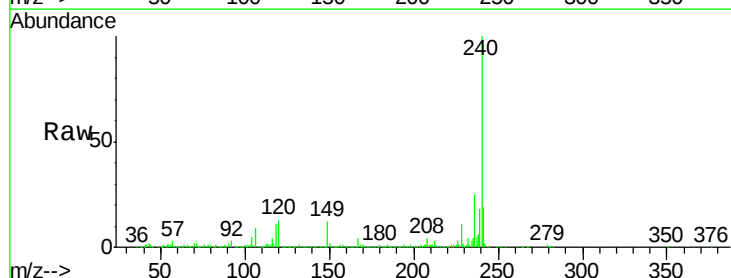
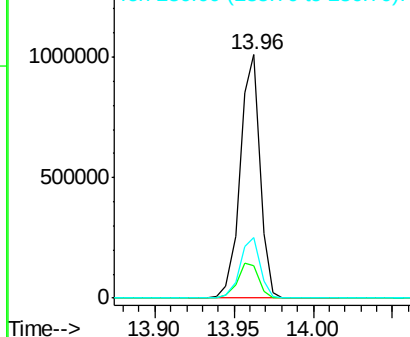
Delta R.T. 0.01 min

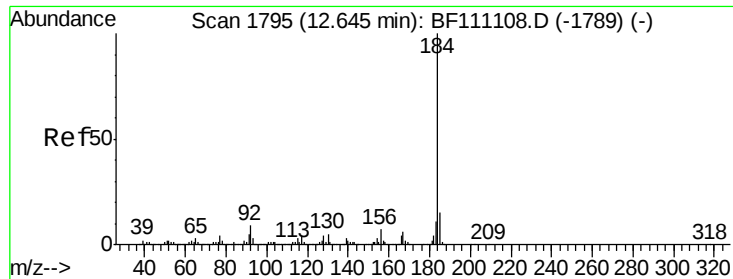
Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Tgt	Ion	Ratio	Lower	Upper
240	100			
120	13.3	12.8	19.2	
236	25.1	21.1	31.7	

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





#77

Benzidine

Concen: Below Cal

RT: 12.65 min Scan# 1796

Delta R.T. 0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

ClientSampleId :

PB115436BS

Tgt Ion:184 Resp: 1130285

Ion Ratio Lower Upper

184 100

185 14.5 12.0 18.0

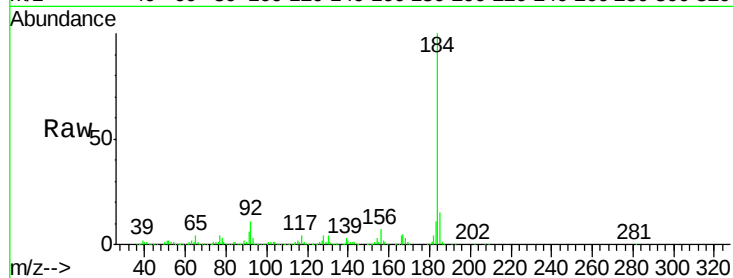
183 11.5 8.9 13.3

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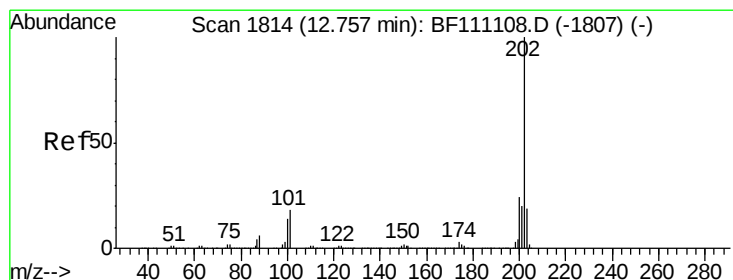
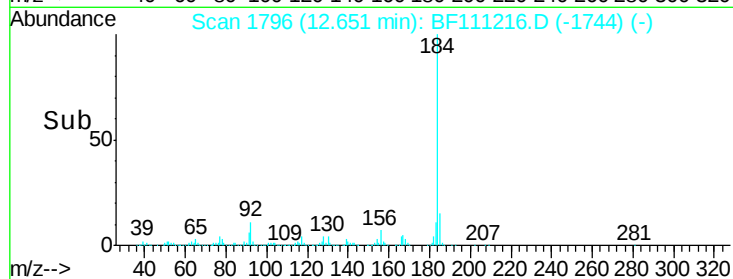
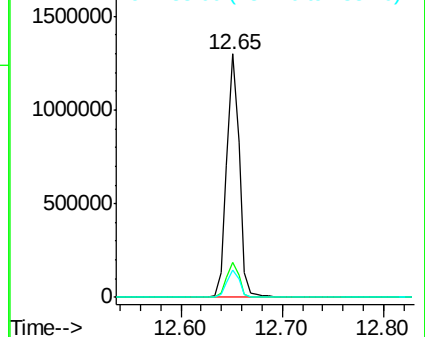
12/11/2018 8:44:57 AM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 31.722 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

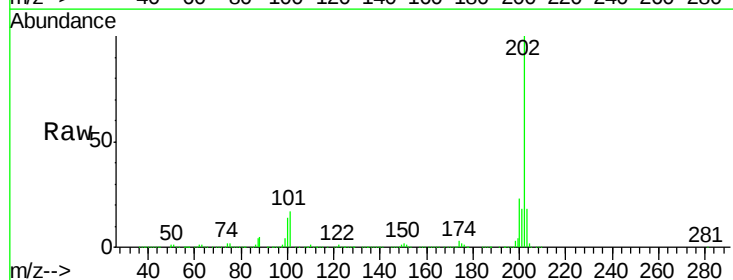
Tgt Ion:202 Resp: 2156764

Ion Ratio Lower Upper

202 100

200 22.6 19.3 28.9

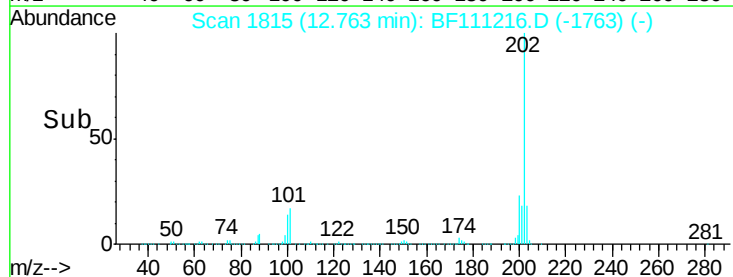
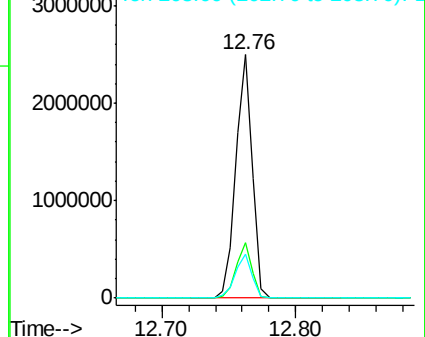
203 18.2 15.4 23.2

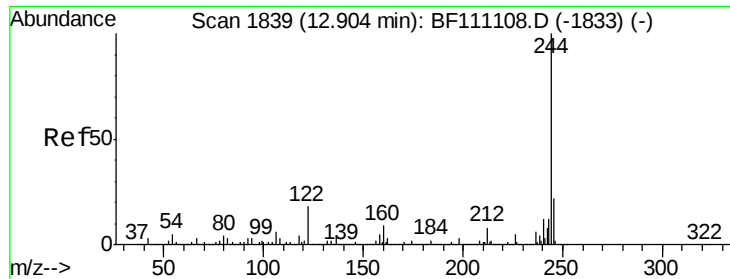


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





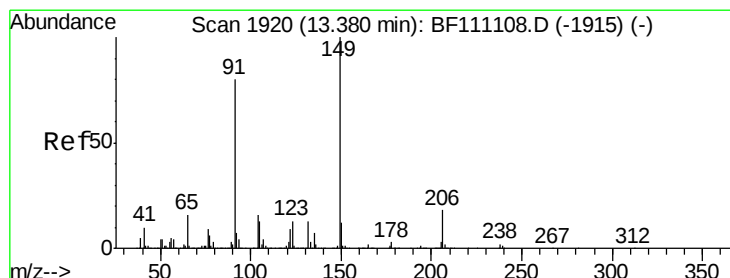
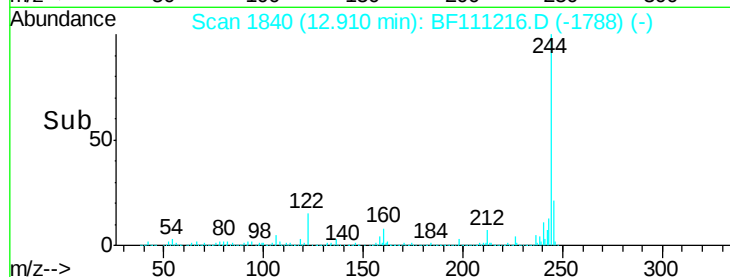
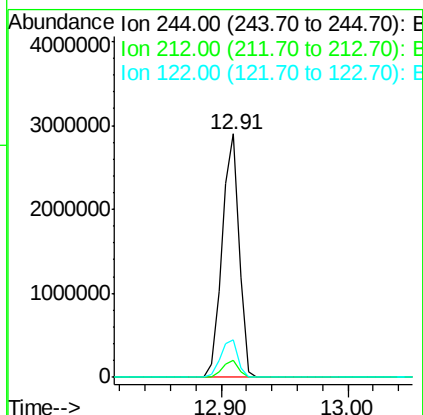
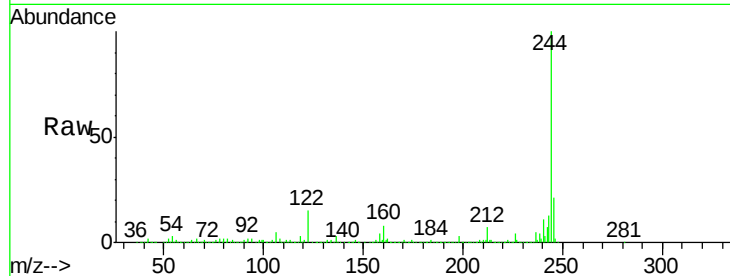
#79
 Terphenyl-d14
 Concen: 63.636 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :
 PB115436BS

Tgt Ion:244 Resp: 2711715
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.6 9.8
 122 15.3 14.2 21.2

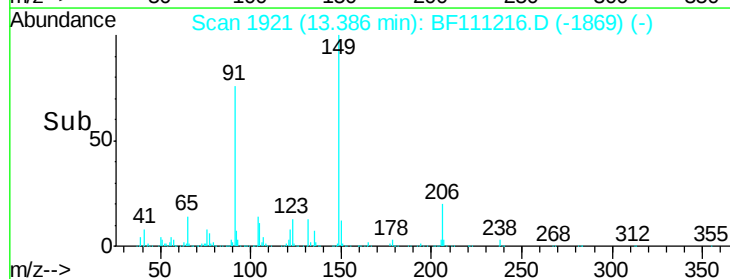
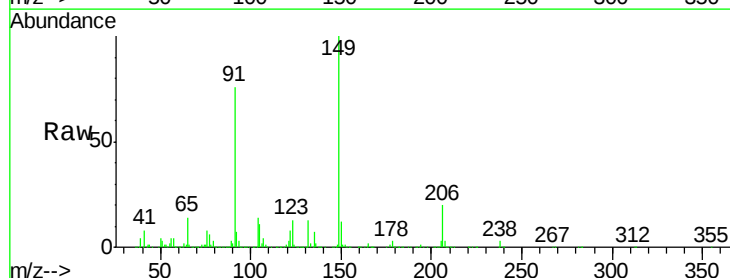
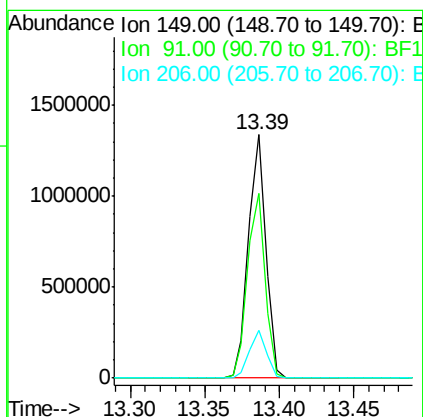
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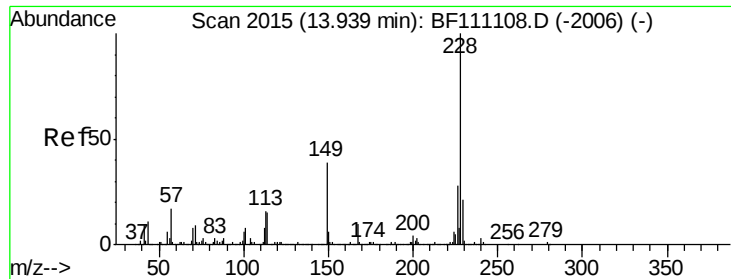
Sohil
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#80
 Butylbenzylphthalate
 Concen: 32.822 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: BF111216.D
 Acq: 8 Dec 2018 5:13

Tgt Ion:149 Resp: 1078048
 Ion Ratio Lower Upper
 149 100
 91 75.9 64.0 96.0
 206 19.6 14.1 21.1





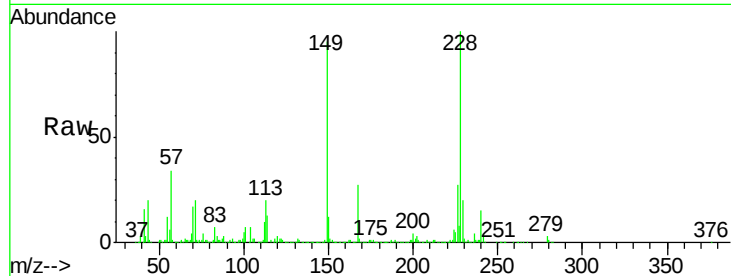
#81
Benzo(a)anthracene
Concen: 36.770 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

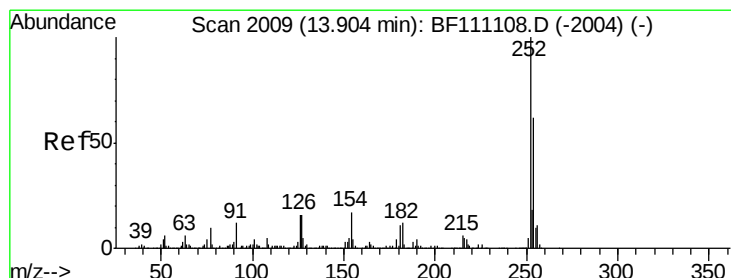
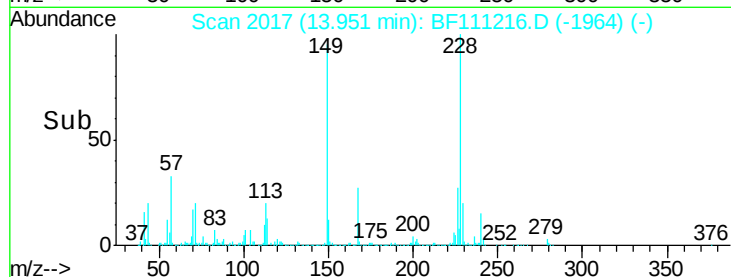
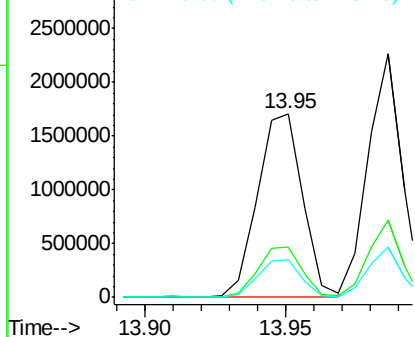
Tgt Ion: 228 Resp: 1880120
Ion Ratio Lower Upper
228 100
226 27.4 22.6 34.0
229 20.2 16.7 25.1

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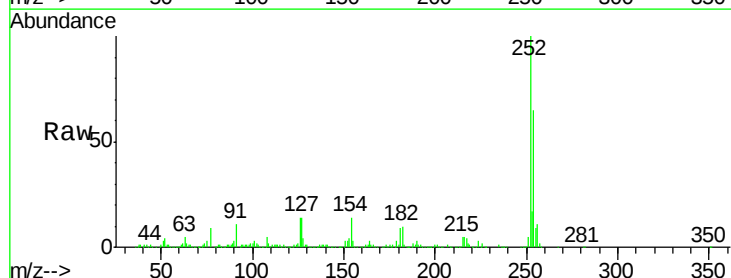


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

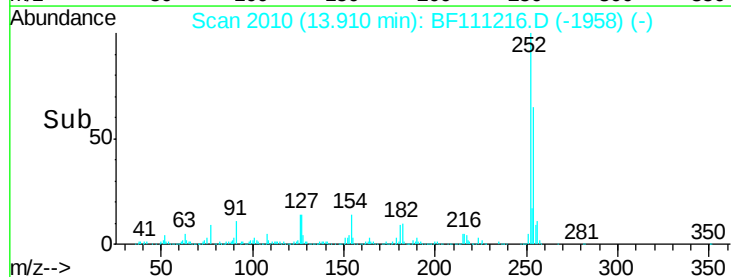
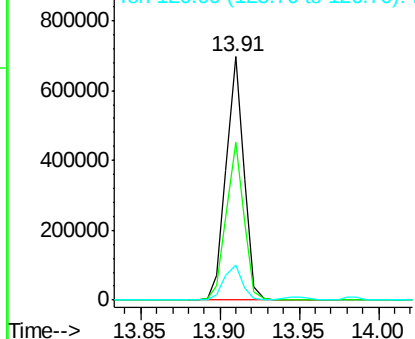


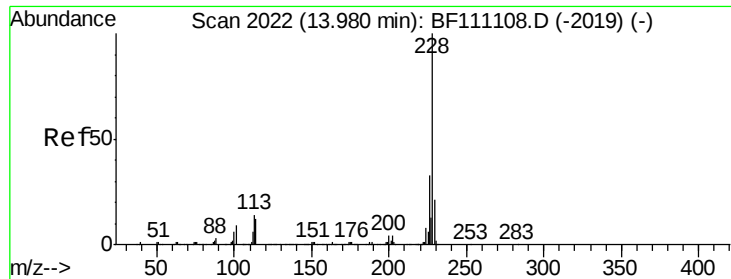
#82
3,3'-Dichlorobenzidine
Concen: 28.176 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion: 252 Resp: 543694
Ion Ratio Lower Upper
252 100
254 65.0 49.8 74.8
126 14.3 12.9 19.3



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





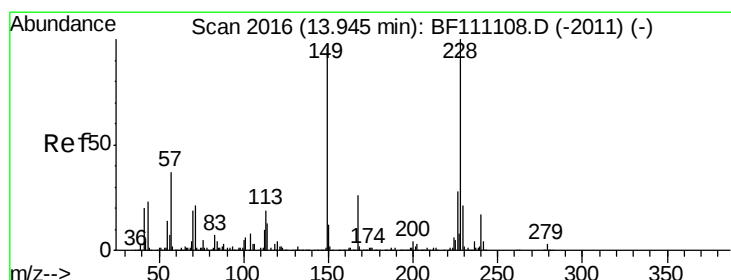
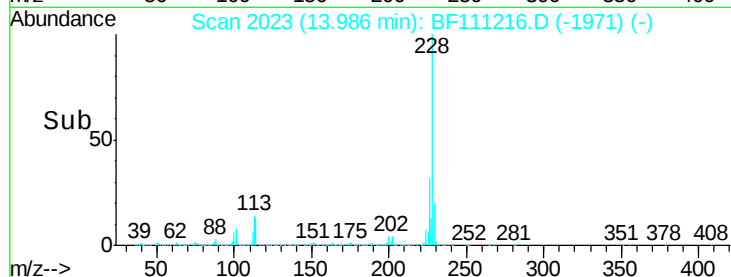
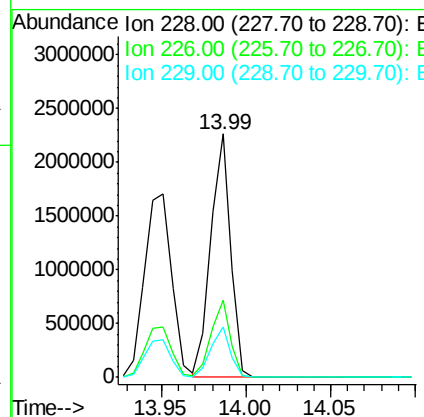
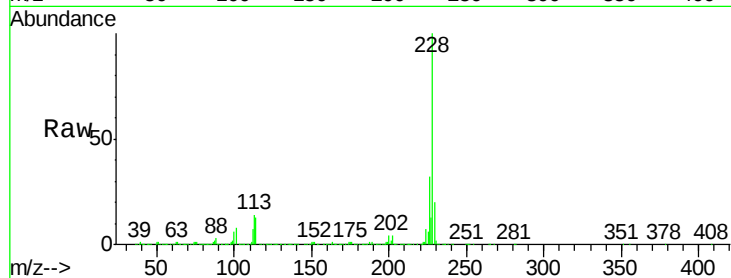
#83
Chrysene
Concen: 36.747 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion: 228 Resp: 1865310
Ion Ratio Lower Upper
228 100
226 31.6 26.2 39.2
229 20.4 16.9 25.3

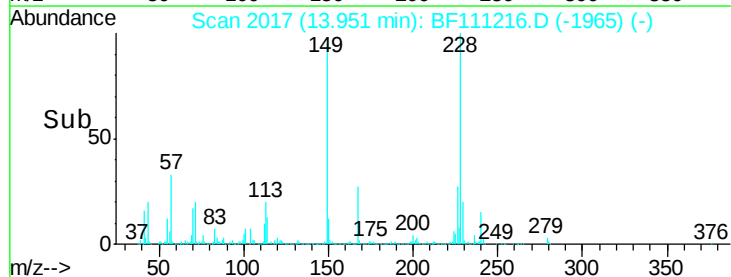
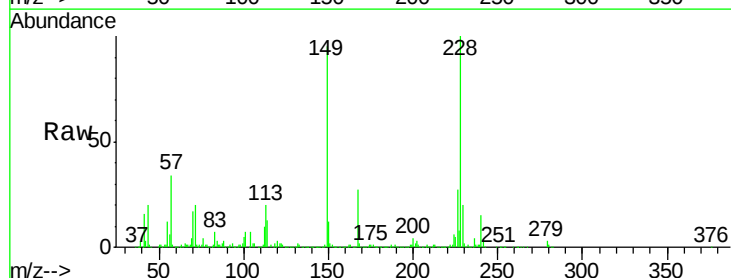
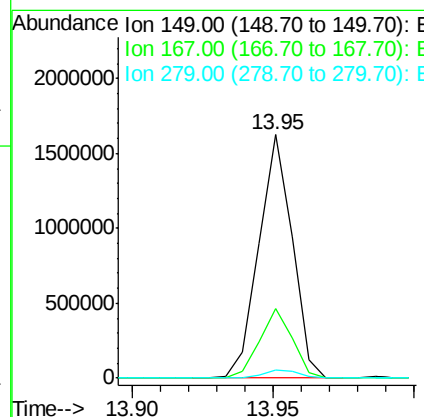
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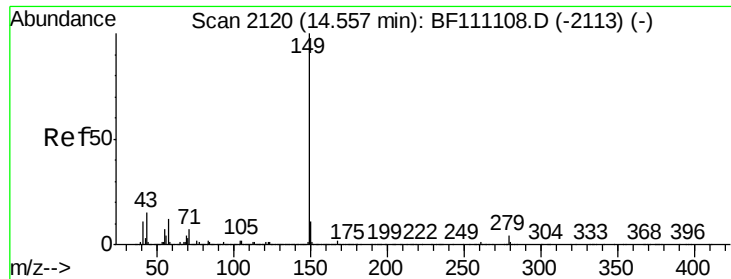
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#84
Bis(2-ethylhexyl)phthalate
Concen: 33.657 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion: 149 Resp: 1335277
Ion Ratio Lower Upper
149 100
167 28.5 21.6 32.4
279 3.2 2.3 3.5





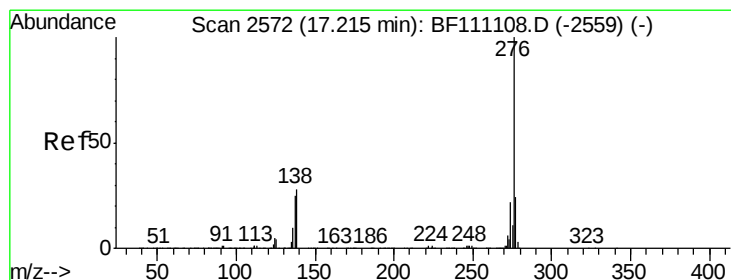
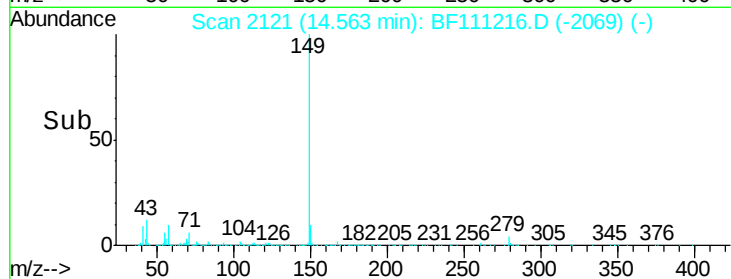
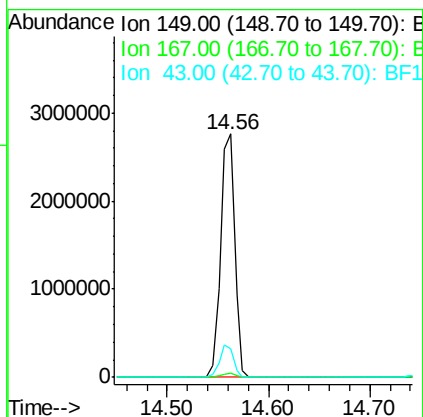
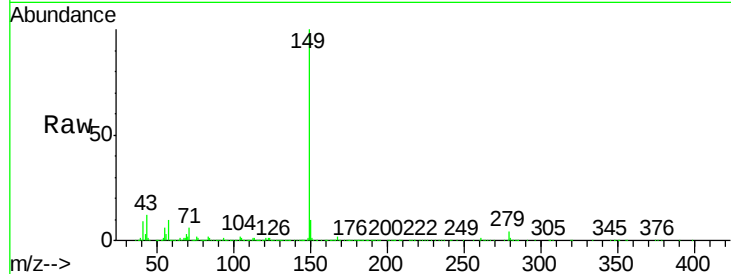
#85
Di-n-octyl phthalate
Concen: 42.690 ng
RT: 14.56 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion:149 Resp: 2662490
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.7 11.9 17.9

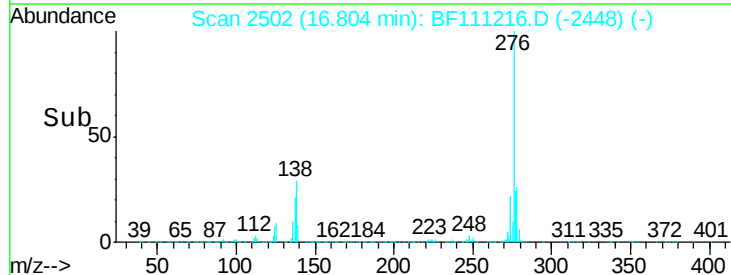
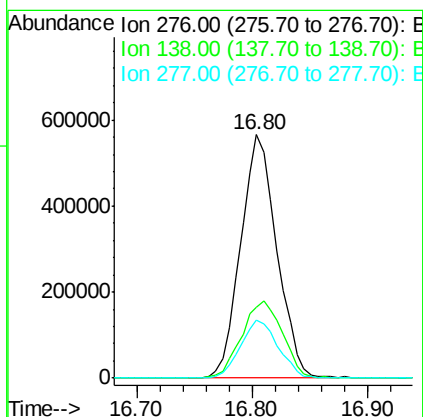
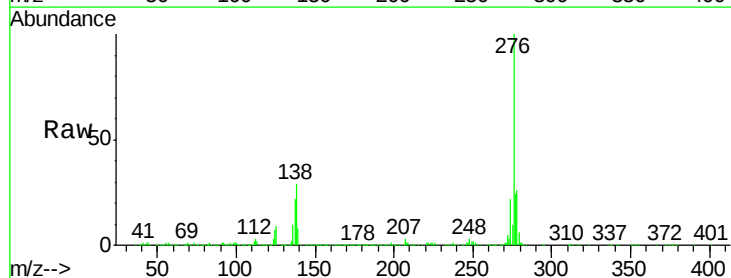
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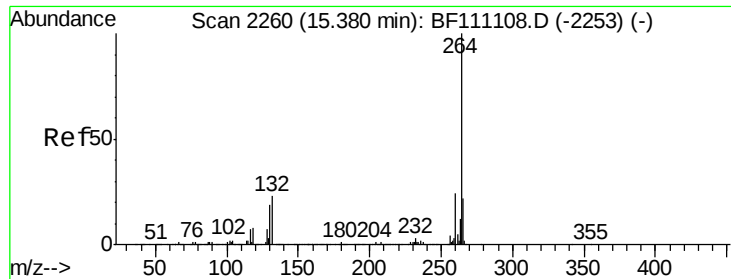
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 30.188 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.02 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion:276 Resp: 1230312
Ion Ratio Lower Upper
276 100
138 36.0 20.2 30.4#
277 24.9 15.8 23.6#





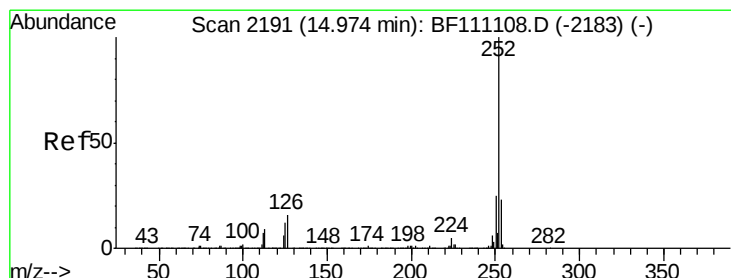
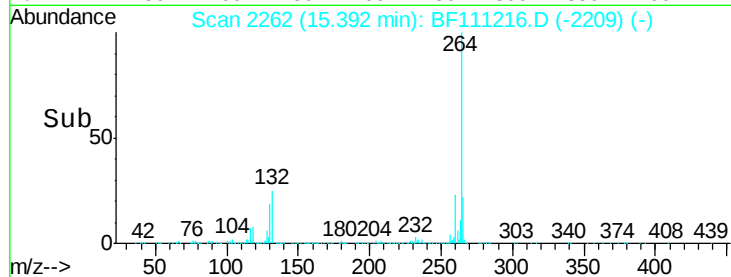
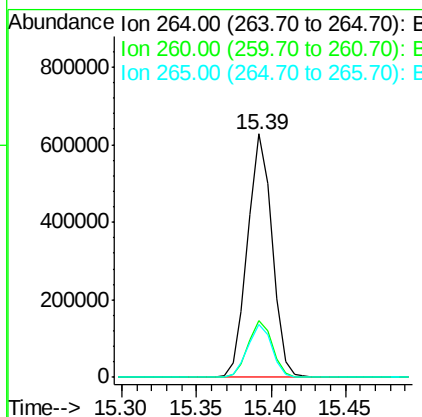
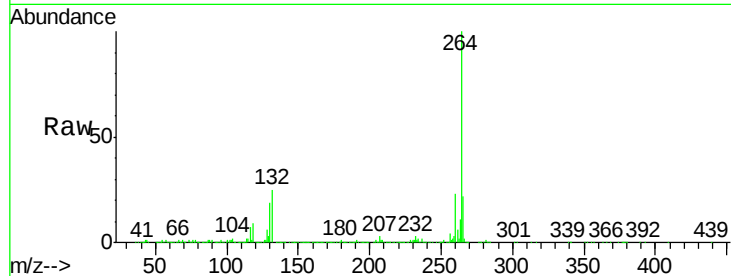
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.4	29.0
265	21.6	17.4	26.0

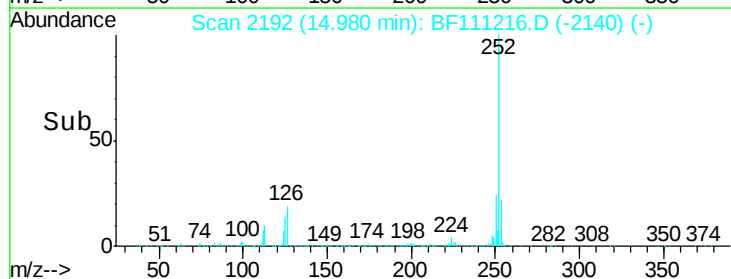
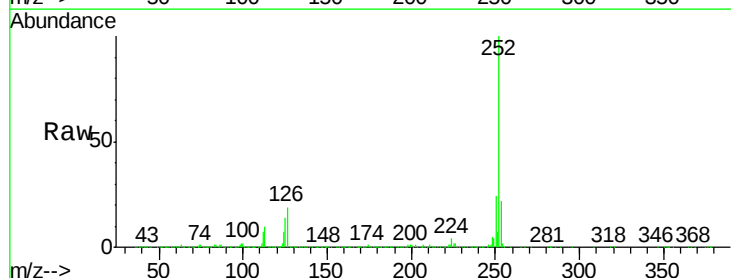
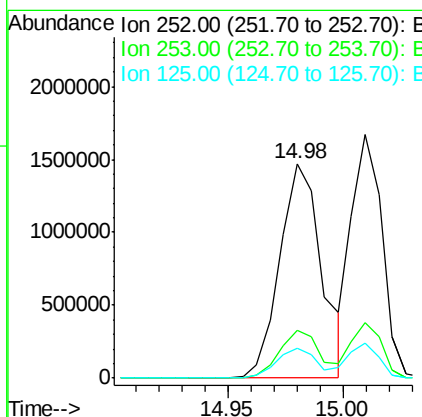
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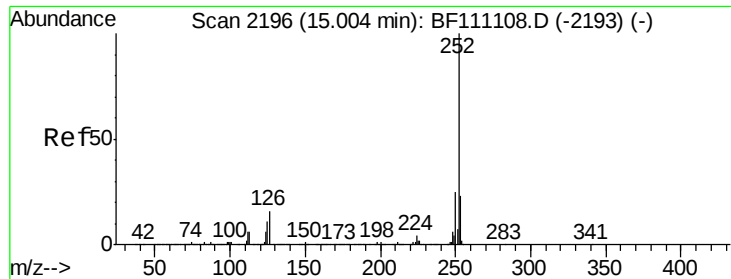
Sohil
12/11/2018 8:44:57 AM



#88
Benzo(b)fluoranthene
Concen: 45.988 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.5	27.7
125	14.1	9.9	14.9





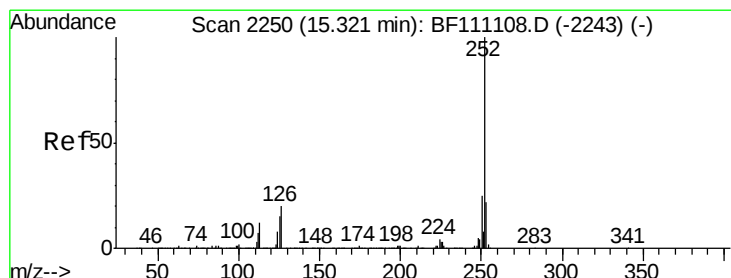
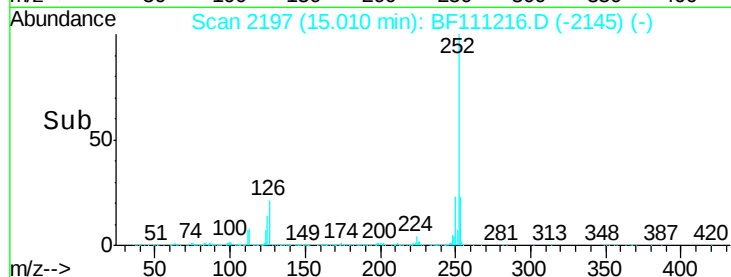
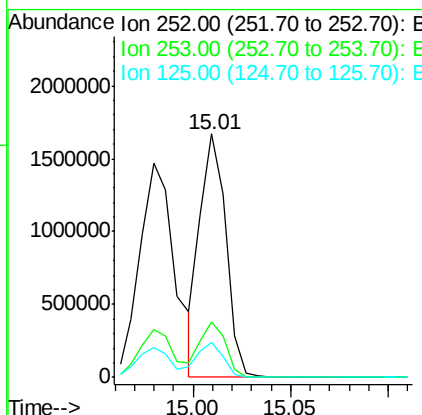
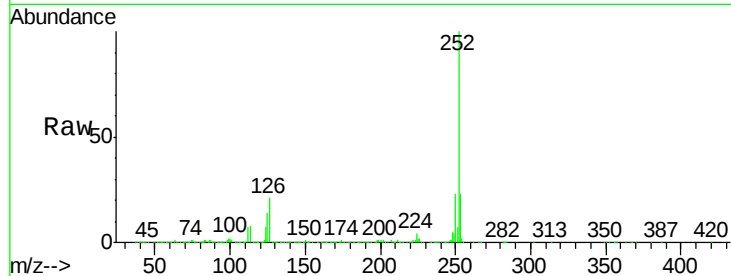
#89
Benzo(k)fluoranthene
Concen: 39.515 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Instrument :
BNA_F
ClientSampleId :
PB115436BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	14.2	9.9	14.9

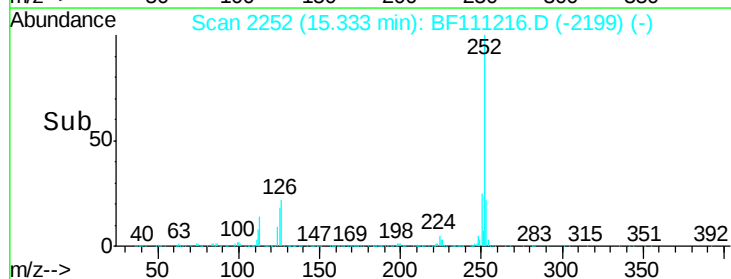
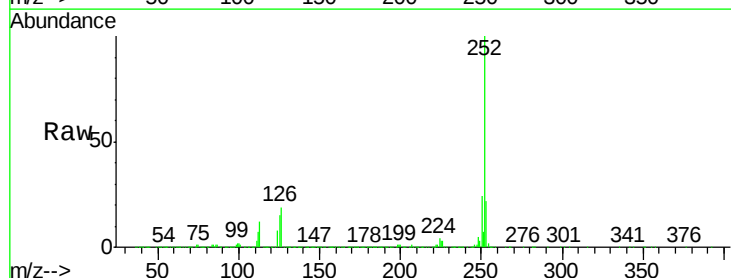
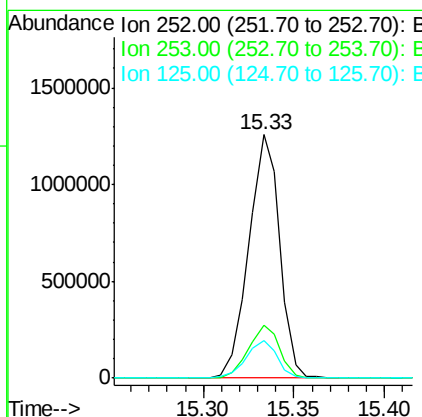
Manual Integrations
APPROVED

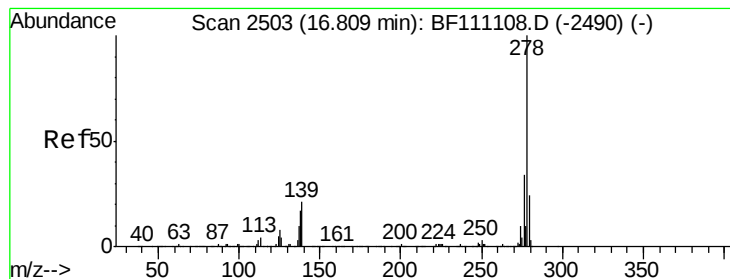
Sohil
12/11/2018 8:44:57 AM



#90
Benzo(a)pyrene
Concen: 40.241 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111216.D
Acq: 8 Dec 2018 5:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	15.4	12.4	18.6





#91

Dibenzo(a,h)anthracene

Concen: 33.412 ng

RT: 16.82 min Scan# 2505

Delta R.T. 0.01 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

Instrument :

BNA_F

ClientSampleId :

PB115436BS

Tgt Ion:278 Resp: 1036132

Ion Ratio Lower Upper

278 100

139 22.8 16.6 25.0

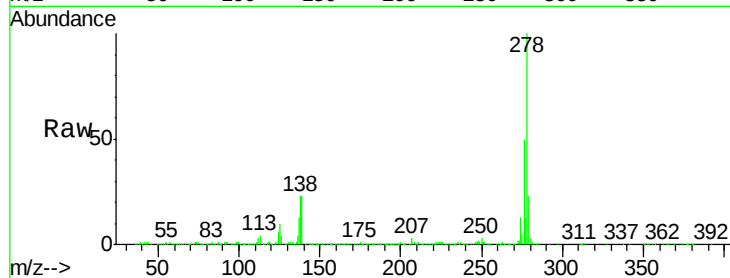
279 23.2 18.8 28.2

Manual Integrations

APPROVED

Sohil

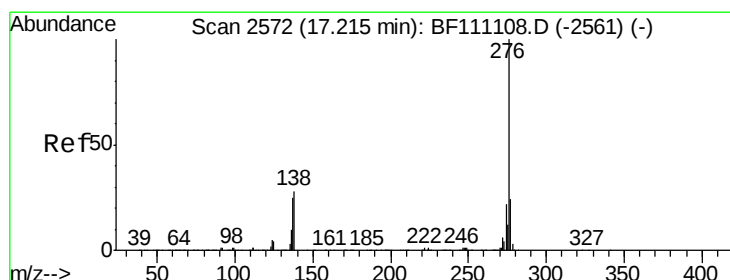
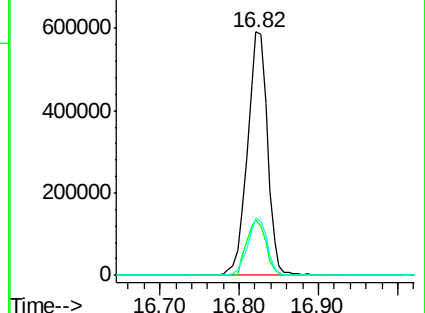
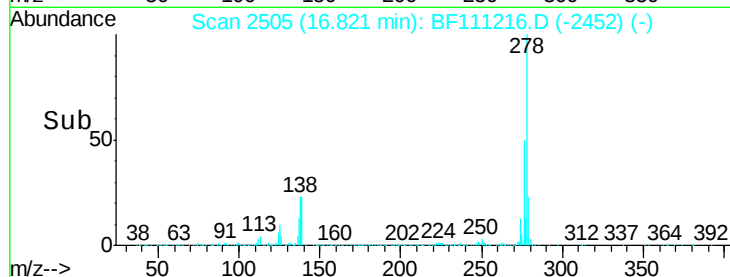
12/11/2018 8:44:57 AM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 32.712 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.02 min

Lab File: BF111216.D

Acq: 8 Dec 2018 5:13

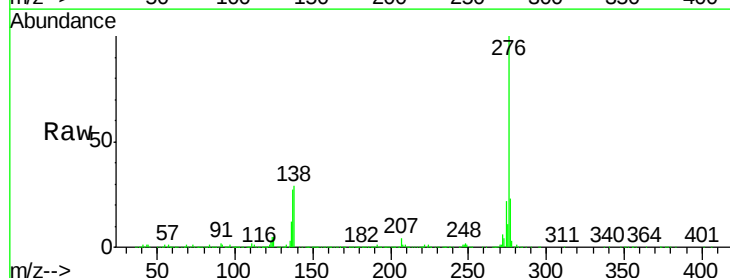
Tgt Ion:276 Resp: 1019400

Ion Ratio Lower Upper

276 100

277 22.9 19.3 28.9

138 29.5 22.3 33.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

