

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101716.D
 Acq On : 26 Dec 2017 15:33
 Operator : SJ/JU
 Sample : I6844-03DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01DL

Quant Time: Dec 26 16:02:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	142457	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	543164	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	227849	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	366995	20.00	ng	0.00
75) Chrysene-d12	13.97	240	290742	20.00	ng	0.00
86) Perylene-d12	15.43	264	286524	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	124673	13.04	ng	0.02
7) Phenol-d6	6.43	99	158527	13.32	ng	0.00
23) Nitrobenzene-d5	7.36	82	113729	11.66	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	29870	13.61	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	223518	15.22	ng	0.00
78) Terphenyl-d14	12.89	244	173108	14.35	ng	0.00

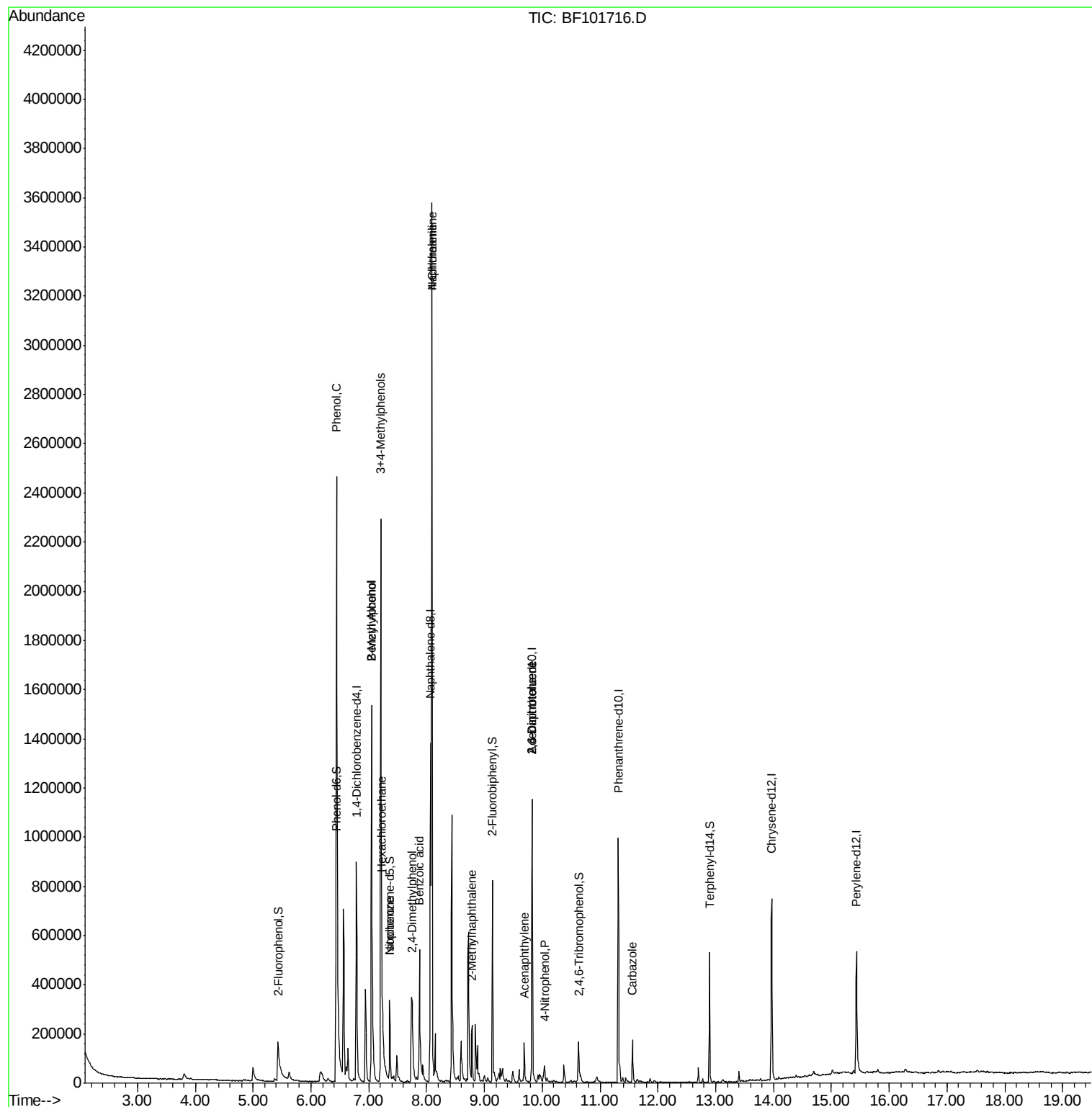
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	1092872	80.561	ng	99
15) Benzyl Alcohol	7.05	79	102452	12.506	ng	# 1
17) 2-Methylphenol	7.05	107	240234	25.960	ng	100
18) Hexachloroethane	7.23	117	14789	3.669	ng	# 2
20) 3+4-Methylphenols	7.21	107	768965	78.415	ng	87
25) Isophorone	7.36	82	113729	5.810	ng	# 64
27) 2,4-Dimethylphenol	7.73	122	140750	17.857	ng	98
31) Naphthalene	8.09	128	1579582	57.765	ng	99
32) Benzoic acid	7.87	122	134025	29.011	ng	# 14
33) 4-Chloroaniline	8.09	127	215179	18.105	ng	# 33
37) 2-Methylnaphthalene	8.79	142	61213	3.436	ng	99
48) Acenaphthylene	9.69	152	72060	2.951	ng	99
50) 2,6-Dinitrotoluene	9.82	165	28503	7.652	ng	# 26
55) 4-Nitrophenol	10.04	139	9479	4.681	ng	# 11
56) 2,4-Dinitrotoluene	9.82	165	28503	6.792	ng	# 23
72) Carbazole	11.56	167	79500	4.073	ng	99

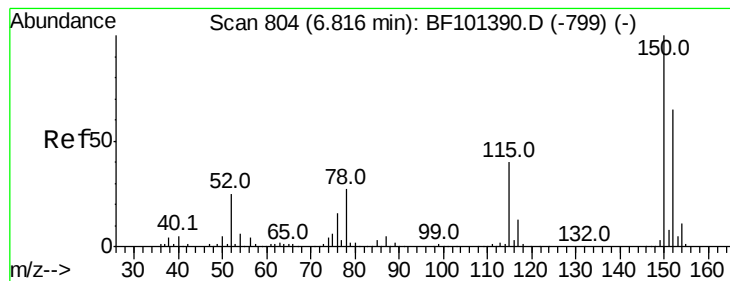
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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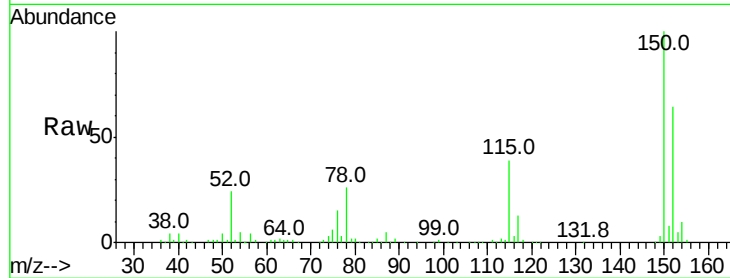


#1

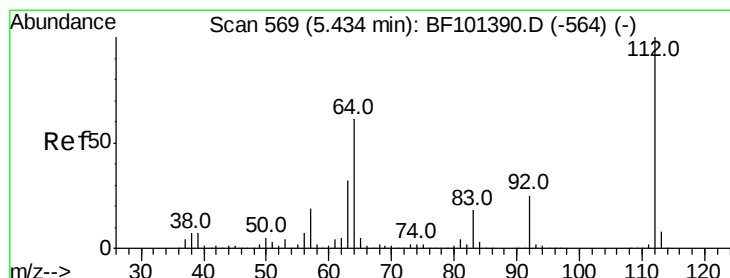
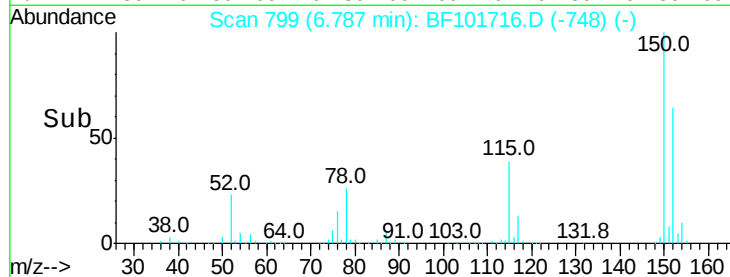
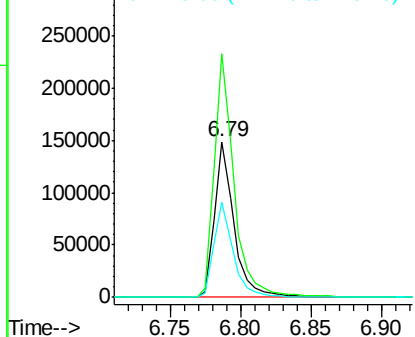
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF101716.D
 Acq: 26 Dec 2017 15:33

Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01DL

Tot Ion:152 Resp: 142457
 Ion Ratio Lower Upper
 152 100
 150 156.7 124.6 186.8
 115 61.0 50.1 75.1



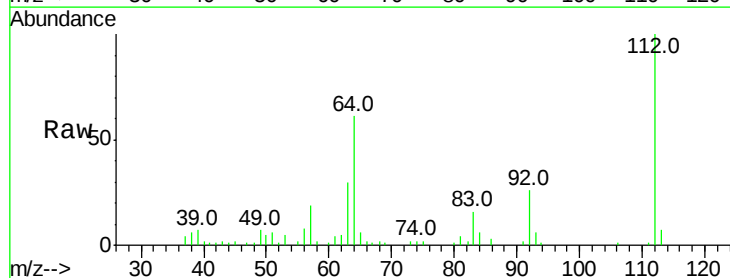
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



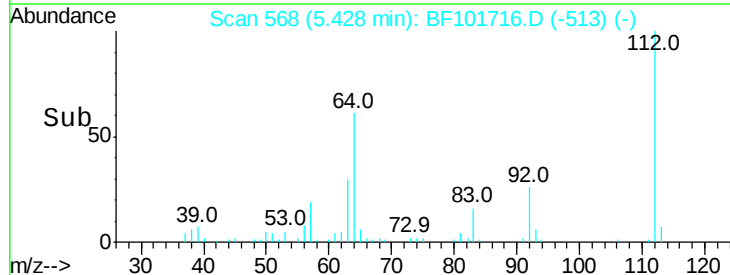
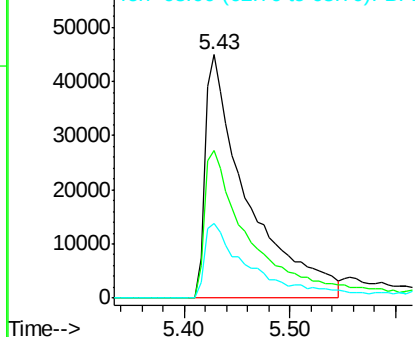
#5

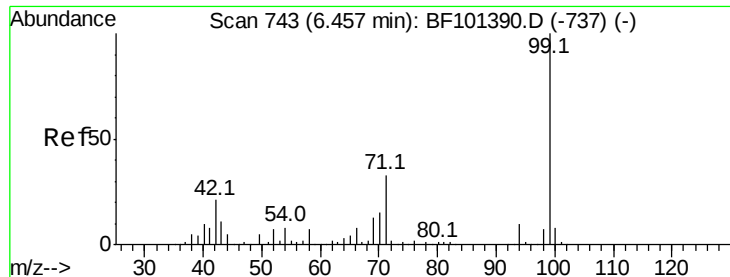
2-Fluorophenol
 Concen: 13.036 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: BF101716.D
 Acq: 26 Dec 2017 15:33

Tgt Ion:112 Resp: 124673
 Ion Ratio Lower Upper
 112 100
 64 60.7 47.9 71.9
 63 30.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 13.319 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

Instrument :

BNA_F

ClientSampleId :

WC-9974103-01DL

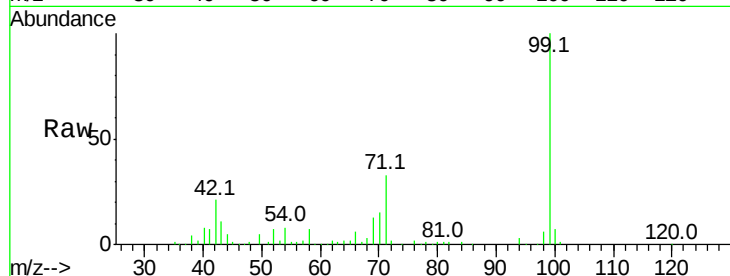
Tot Ion: 99 Resp: 158527

Ion Ratio Lower Upper

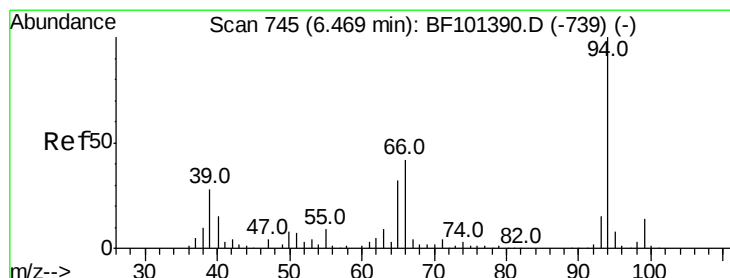
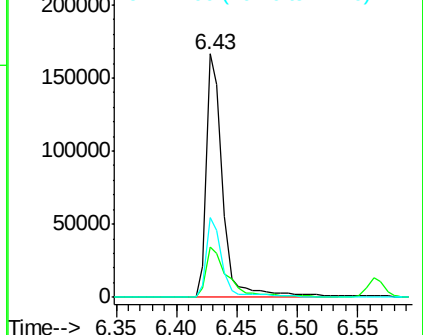
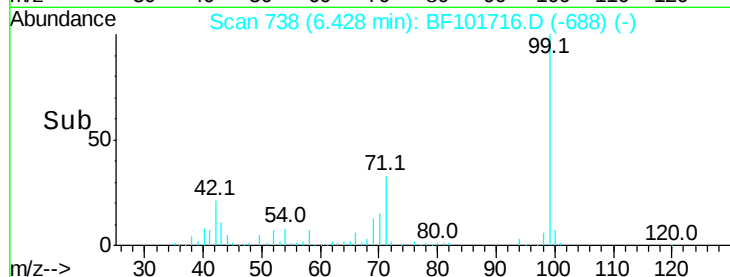
99 100

42 20.6 14.5 21.7

71 33.0 25.4 38.0



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



#10

Phenol

Concen: 80.561 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

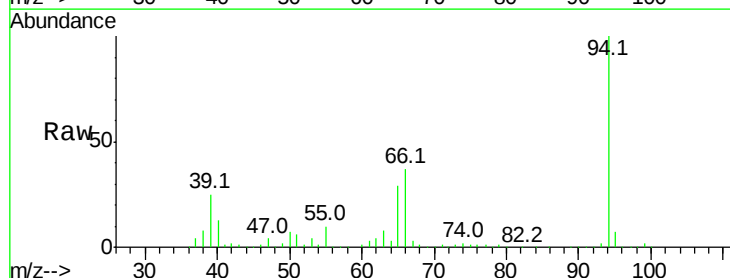
Tgt Ion: 94 Resp: 1092872

Ion Ratio Lower Upper

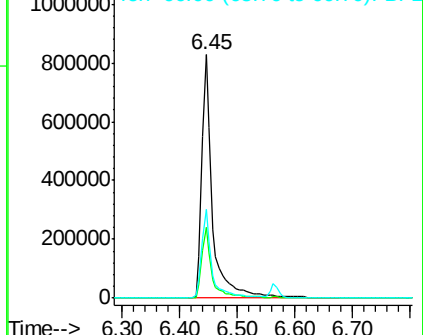
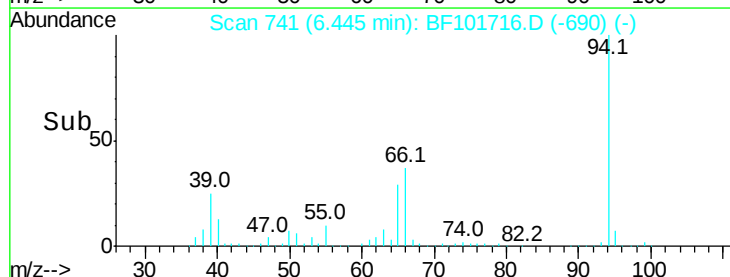
94 100

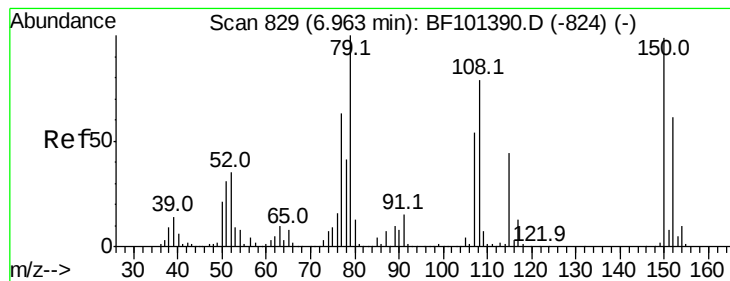
65 29.1 7.9 47.9

66 36.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 12.506 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.10 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

Instrument :

BNA_F

ClientSampleId :

WC-9974103-01DL

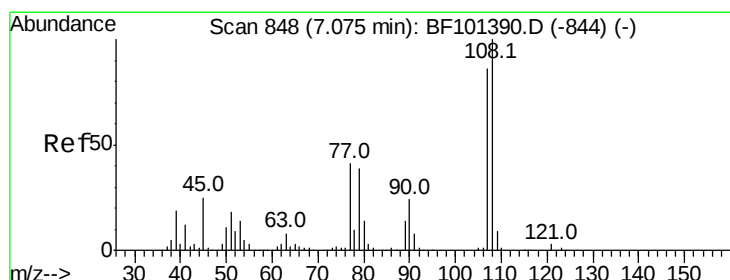
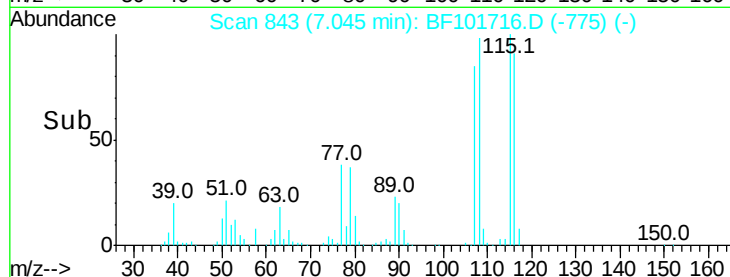
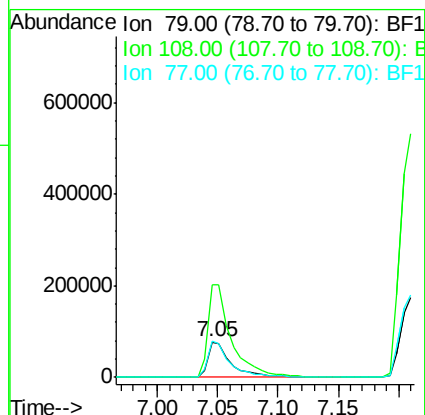
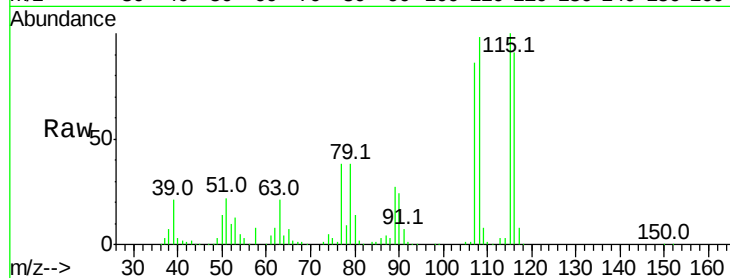
Tot Ion: 79 Resp: 102452

Ion Ratio Lower Upper

79 100

108 260.0 65.1 97.7#

77 102.0 50.6 75.8#



#17

2-Methylphenol

Concen: 25.960 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

Tgt Ion: 107 Resp: 240234

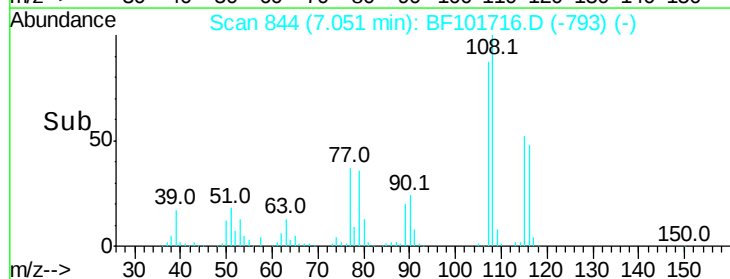
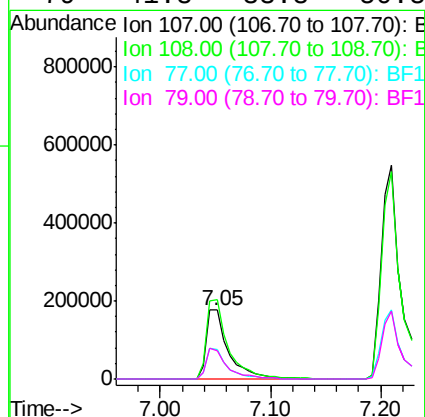
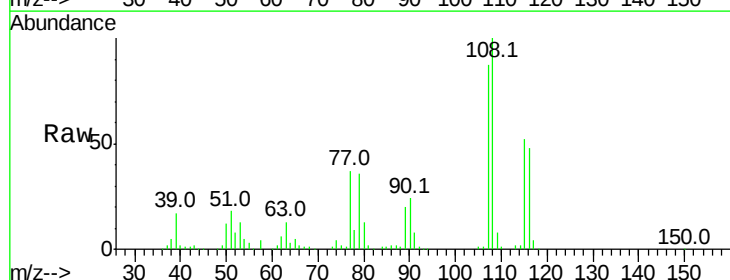
Ion Ratio Lower Upper

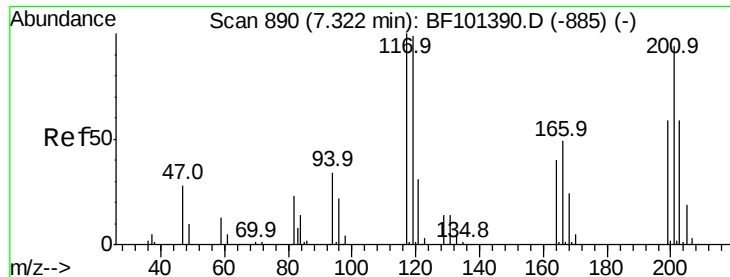
107 100

108 114.8 91.7 137.5

77 42.3 33.8 50.8

79 41.8 33.8 50.8

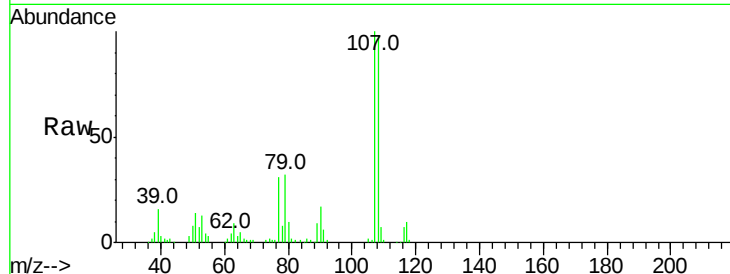




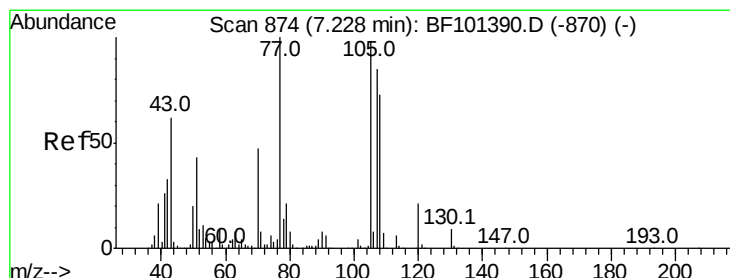
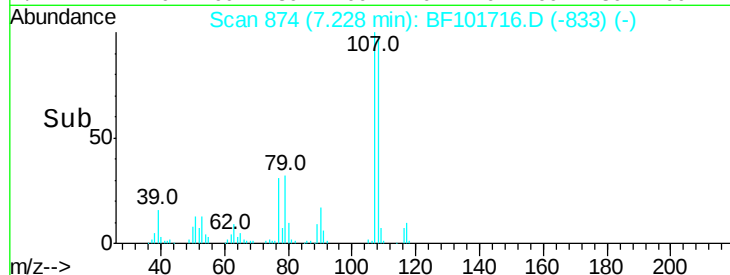
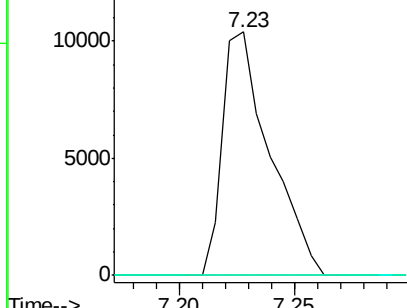
#18
Hexachloroethane
Concen: 3.669 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.06 min
Lab File: BF101716.D
Acq: 26 Dec 2017 15:33

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01DL

Tot Ion:117 Resp: 14789
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
201 0.0 75.7 113.5#

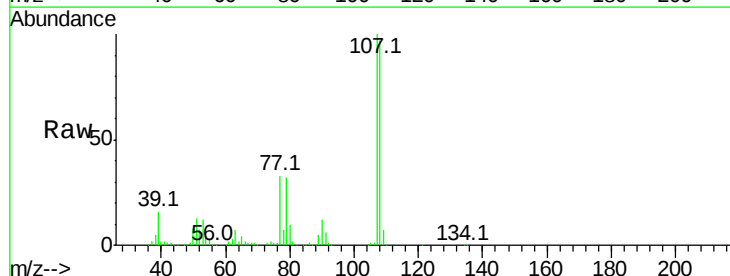


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

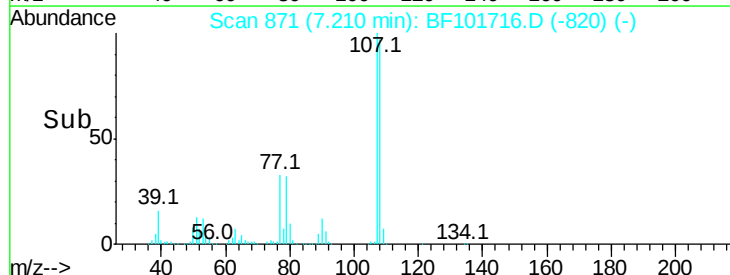
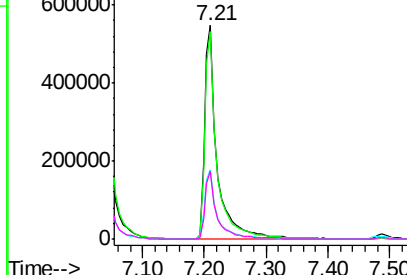


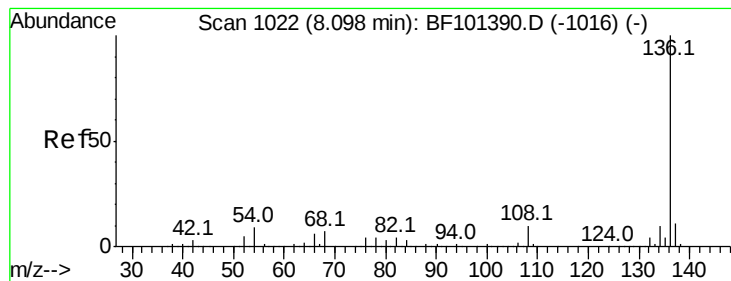
#20
3+4-Methylphenols
Concen: 78.415 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF101716.D
Acq: 26 Dec 2017 15:33

Tgt Ion:107 Resp: 768965
Ion Ratio Lower Upper
107 100
108 97.1 68.2 108.2
77 32.7 26.7 66.7
79 31.9 6.3 46.3



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

Instrument :

BNA_F

ClientSampleId :

WC-9974103-01DL

Tot Ion:136 Resp: 543164

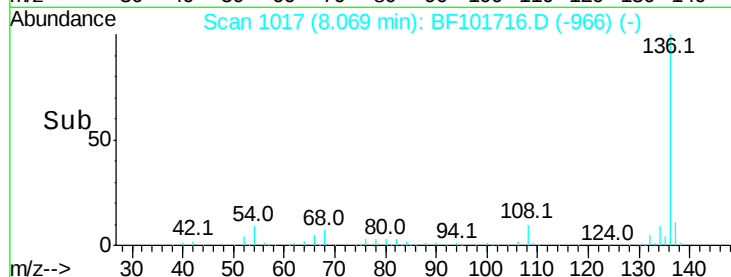
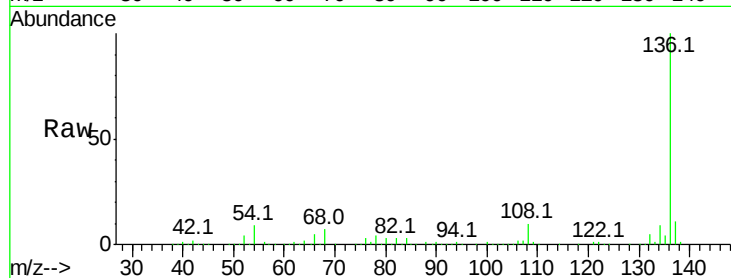
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.0 6.6 9.8

68 6.7 5.0 7.4

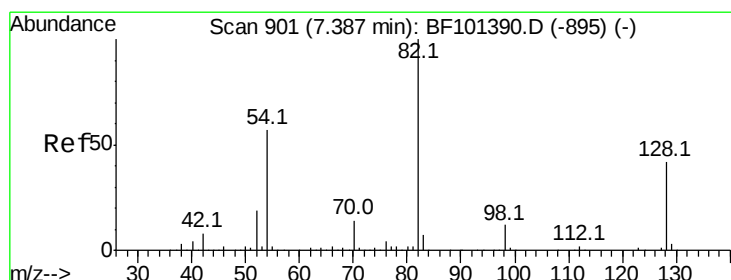
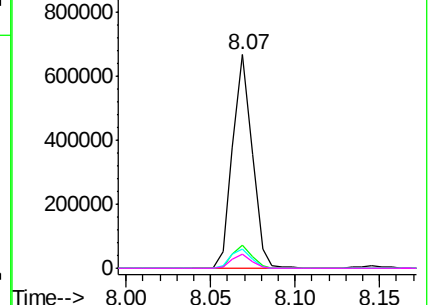


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 11.655 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.00 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

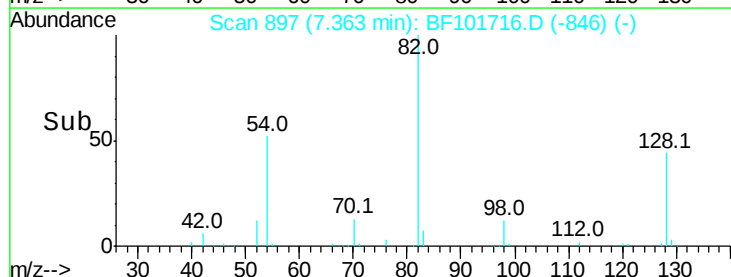
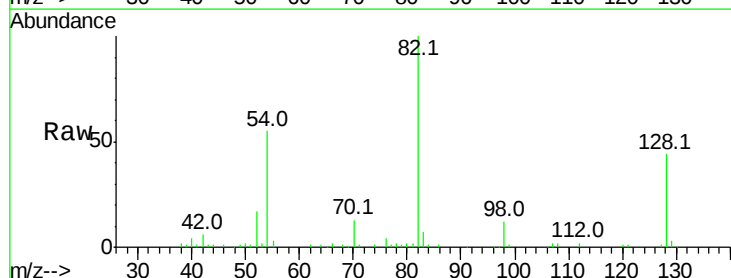
Tgt Ion: 82 Resp: 113729

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

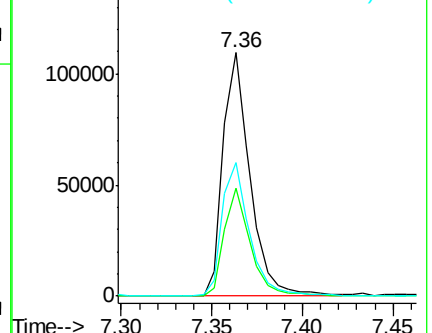
54 54.9 41.4 62.2

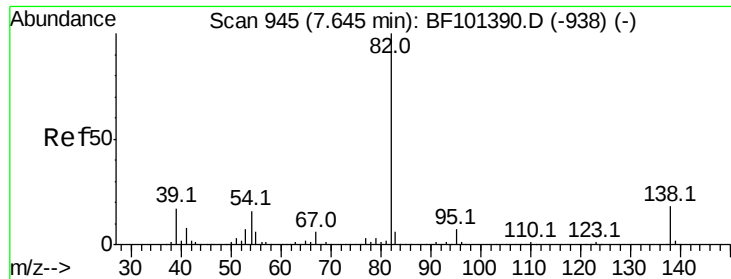


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 5.810 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

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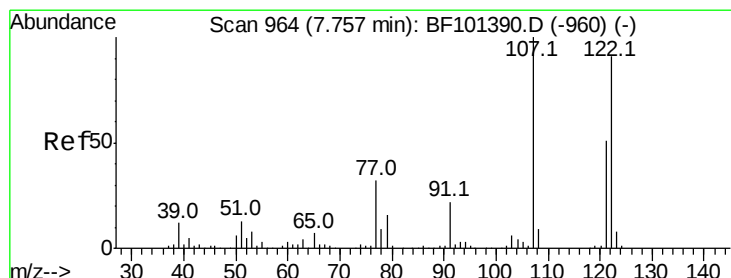
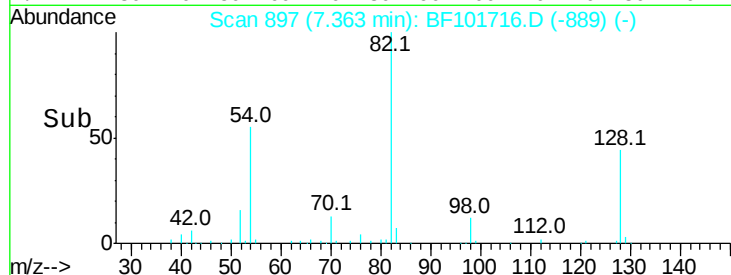
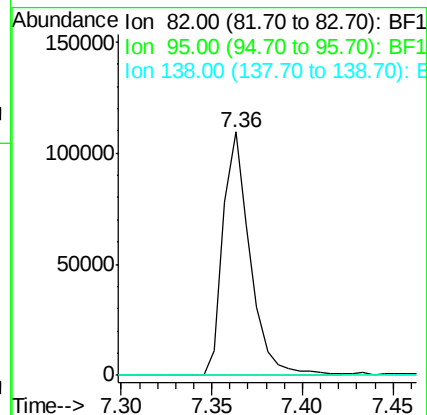
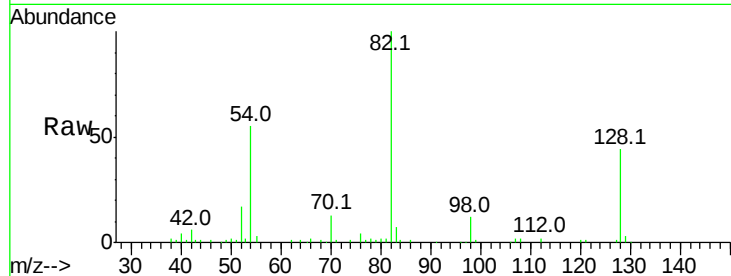
Tot Ion: 82 Resp: 113729

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#27

2,4-Dimethylphenol

Concen: 17.857 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

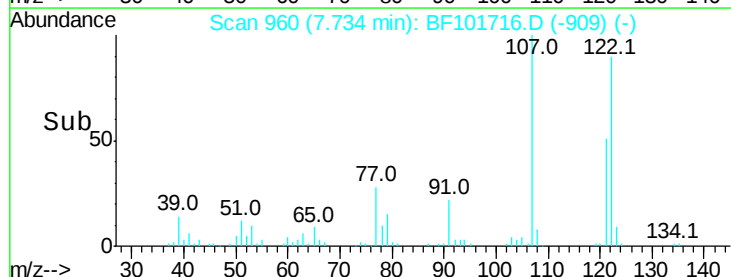
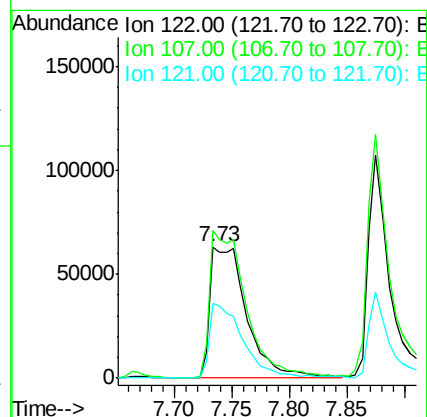
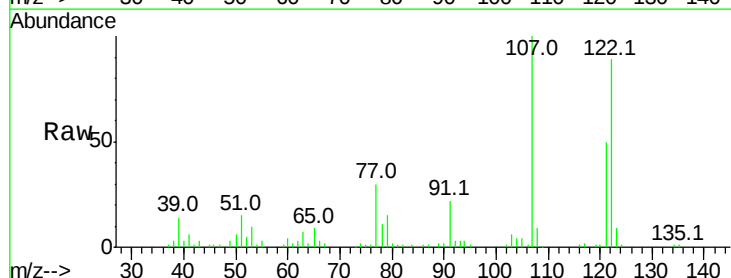
Tgt Ion:122 Resp: 140750

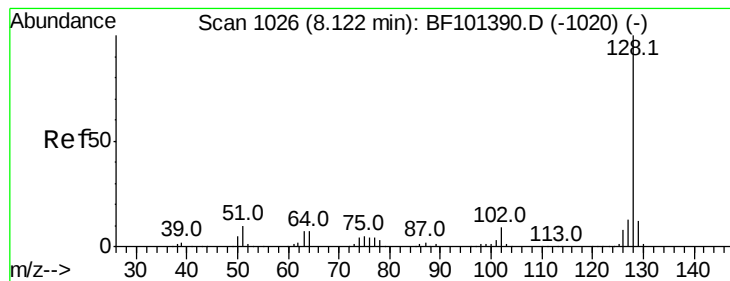
Ion Ratio Lower Upper

122 100

107 112.4 91.2 136.8

121 56.5 47.2 70.8





#31

Naphthalene

Concen: 57.765 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

Instrument :

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WC-9974103-01DL

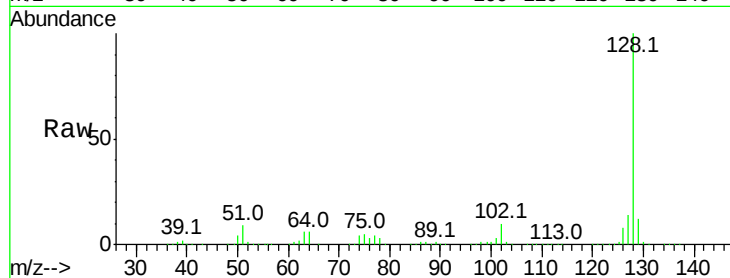
Tot Ion:128 Resp: 1579582

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

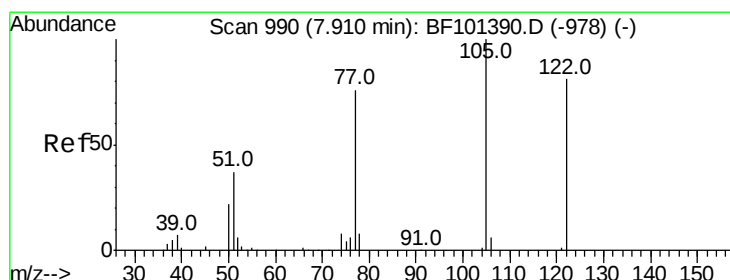
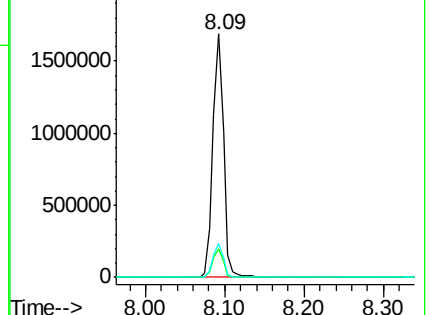
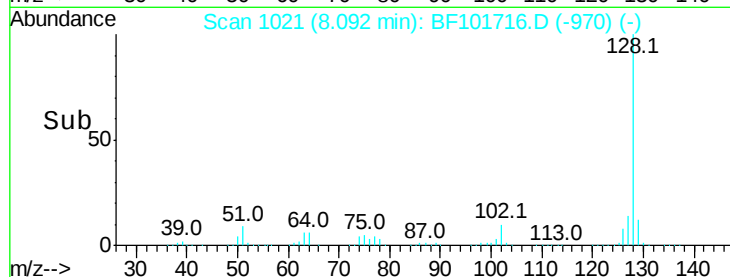
127 13.9 10.9 16.3



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: 29.011 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

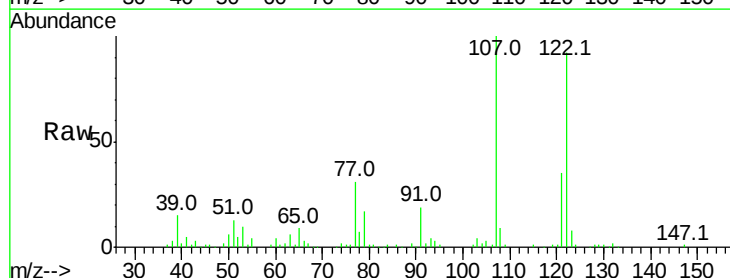
Tgt Ion:122 Resp: 134025

Ion Ratio Lower Upper

122 100

105 3.6 101.1 141.1#

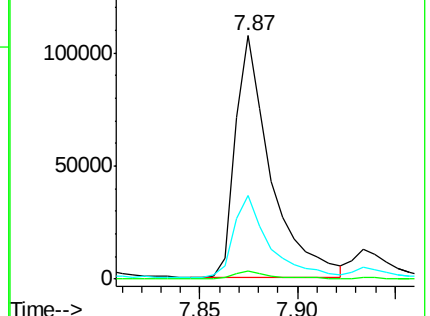
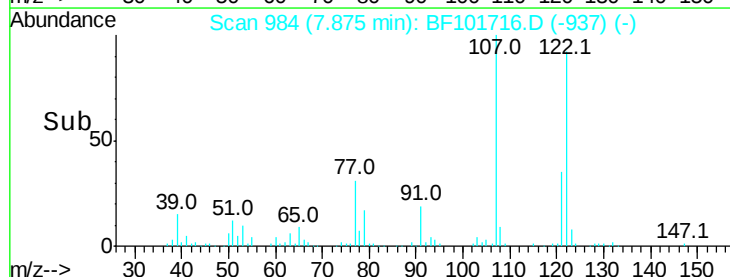
77 34.1 70.7 110.7#

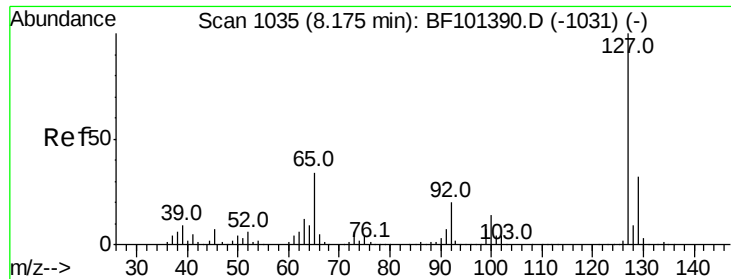


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

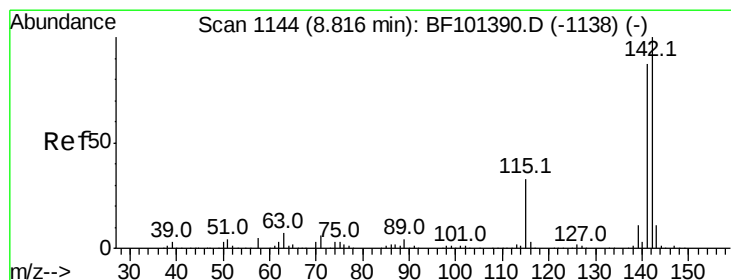
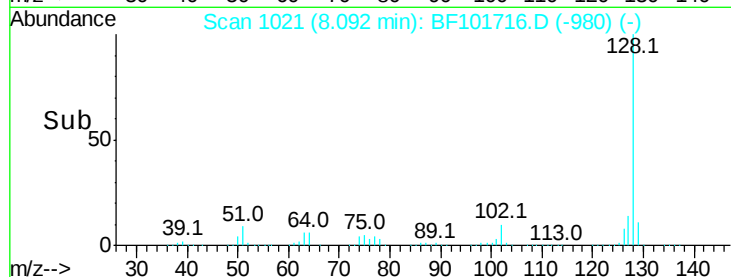
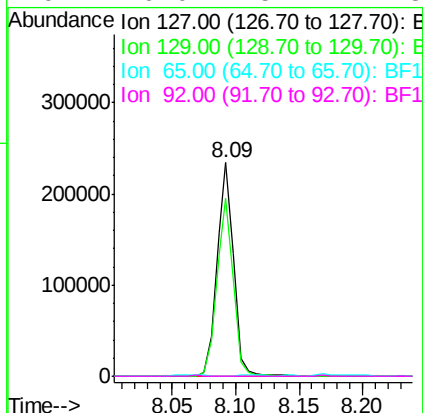
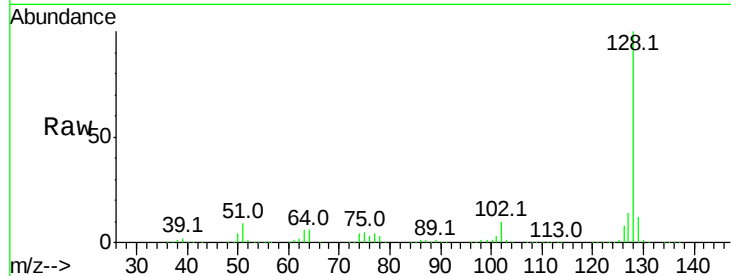




#33
 4-Chloroaniline
 Concen: 18.105 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.06 min
 Lab File: BF101716.D
 Acq: 26 Dec 2017 15:33

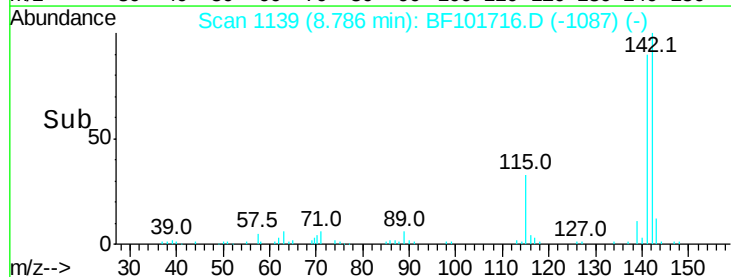
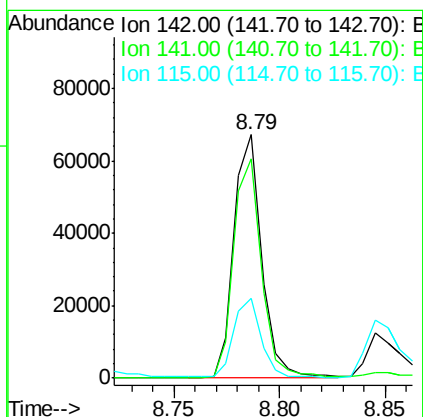
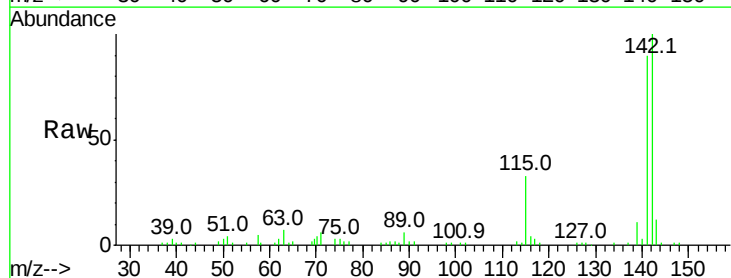
Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01DL

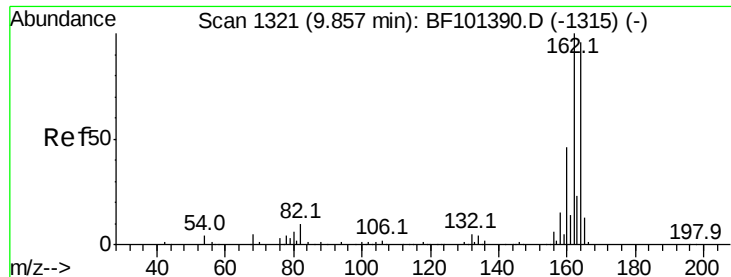
Tot Ion:	127	Resp:	215179
Ion	Ratio	Lower	Upper
127	100		
129	83.5	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
 2-Methylnaphthalene
 Concen: 3.436 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: BF101716.D
 Acq: 26 Dec 2017 15:33

Tgt Ion:	142	Resp:	61213
Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	32.6	26.1	39.1

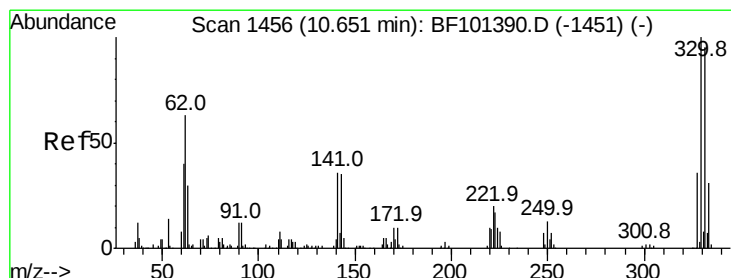
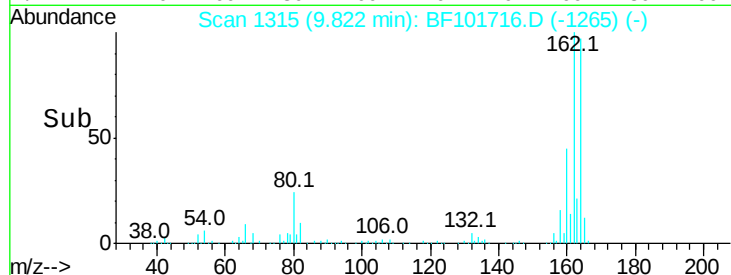
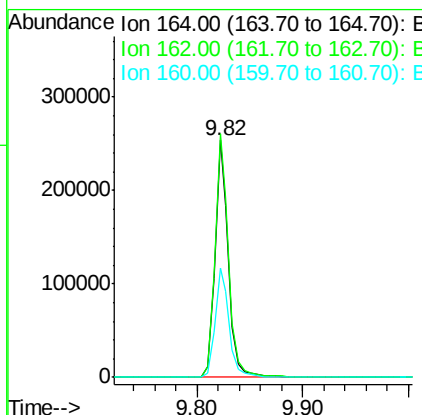
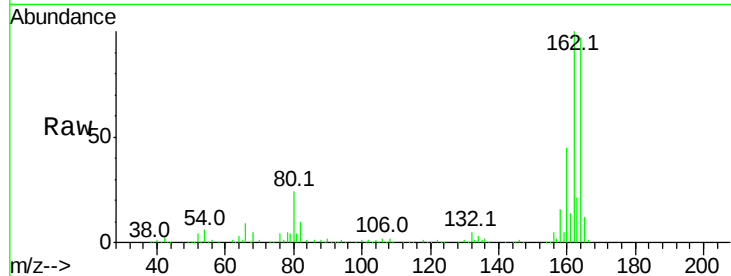




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101716.D
 Acq: 26 Dec 2017 15:33

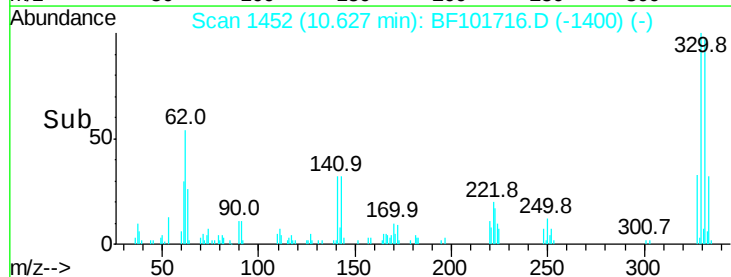
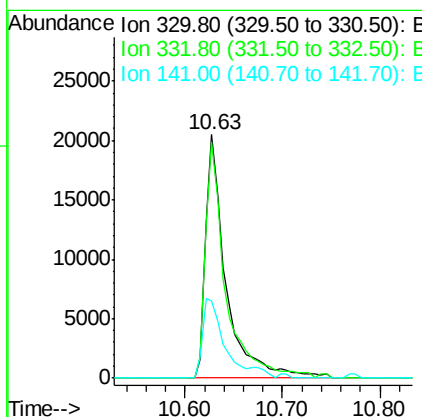
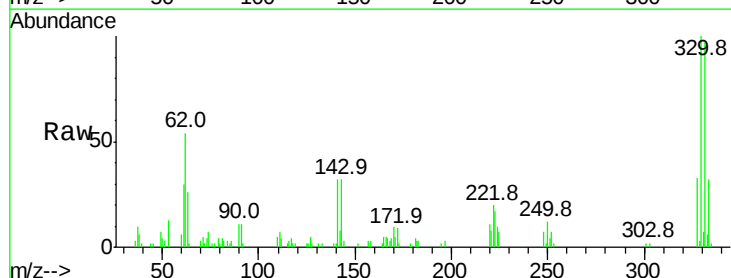
Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01DL

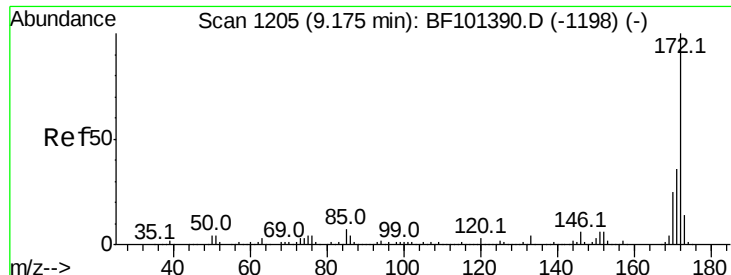
Tot Ion:164 Resp: 227849
 Ion Ratio Lower Upper
 164 100
 162 102.9 86.1 129.1
 160 46.0 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 13.605 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101716.D
 Acq: 26 Dec 2017 15:33

Tgt Ion:330 Resp: 29870
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 36.0 29.9 44.9

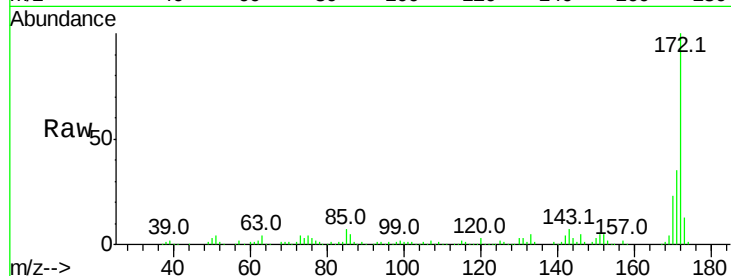




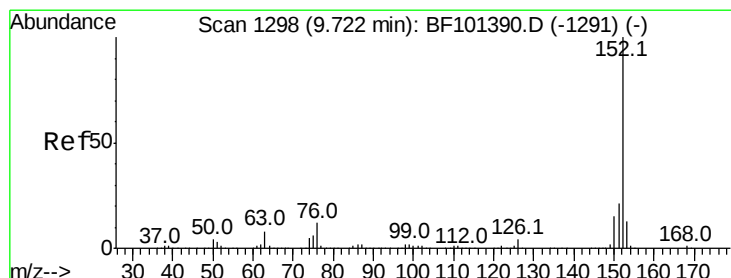
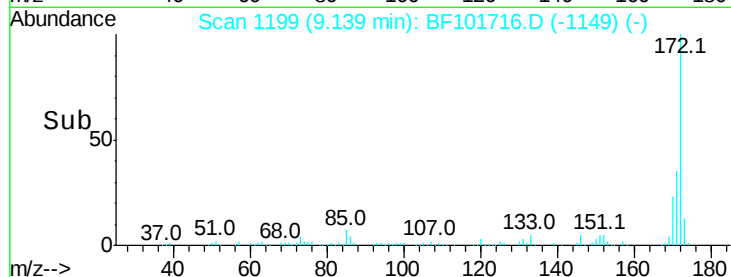
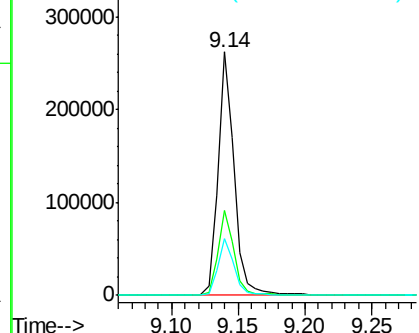
#44
 2-Fluorobiphenyl
 Concen: 15.218 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101716.D
 Acq: 26 Dec 2017 15:33

Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01DL

Tot Ion:172 Resp: 223518
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 23.2 19.6 29.4

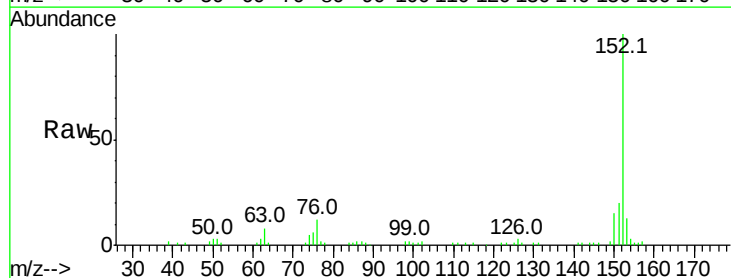


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

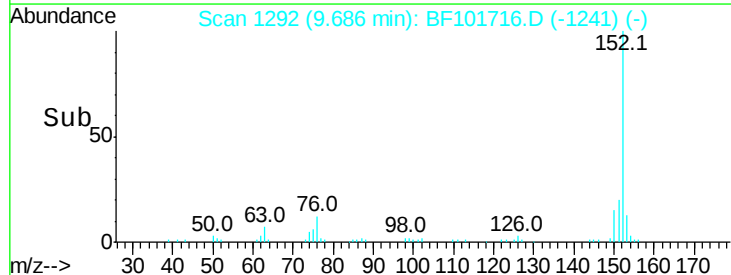
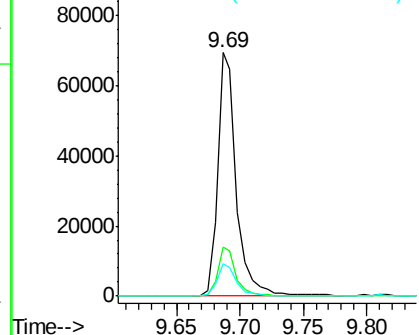


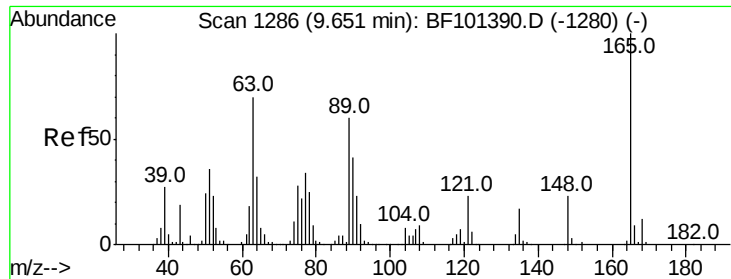
#48
 Acenaphthylene
 Concen: 2.951 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: BF101716.D
 Acq: 26 Dec 2017 15:33

Tgt Ion:152 Resp: 72060
 Ion Ratio Lower Upper
 152 100
 151 20.1 16.3 24.5
 153 13.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#50

2,6-Dinitrotoluene

Concen: 7.652 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.19 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

Instrument :

BNA_F

ClientSampleId :

WC-9974103-01DL

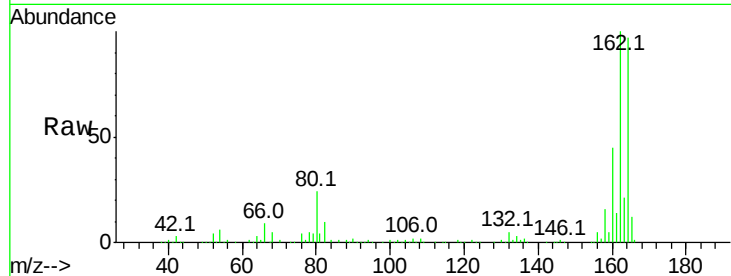
Tot Ion:165 Resp: 28503

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

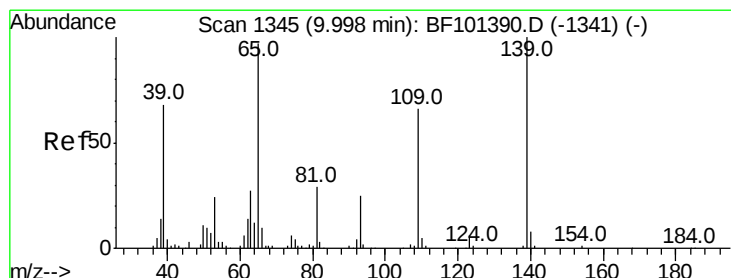
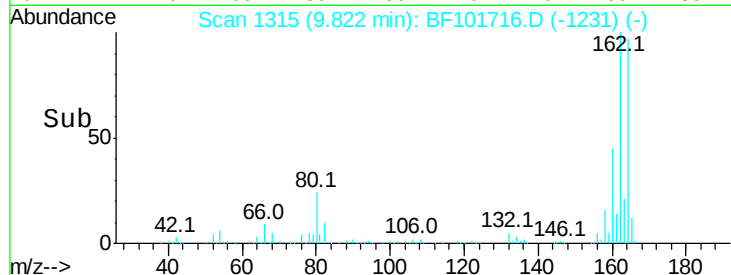
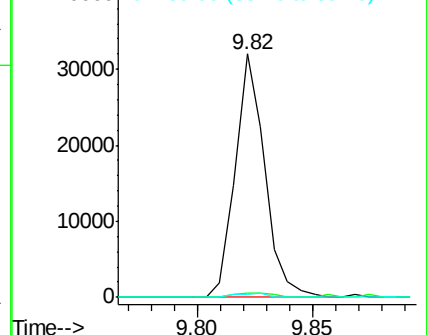
89 1.3 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#55

4-Nitrophenol

Concen: 4.681 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.05 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

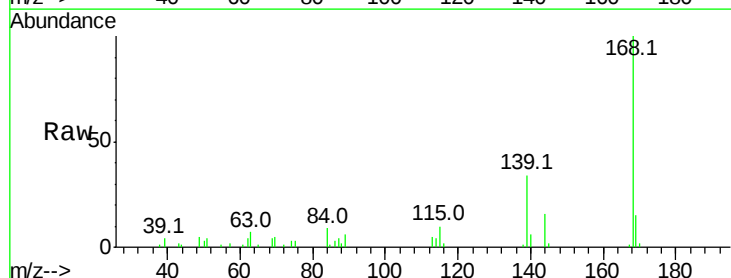
Tgt Ion:139 Resp: 9479

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

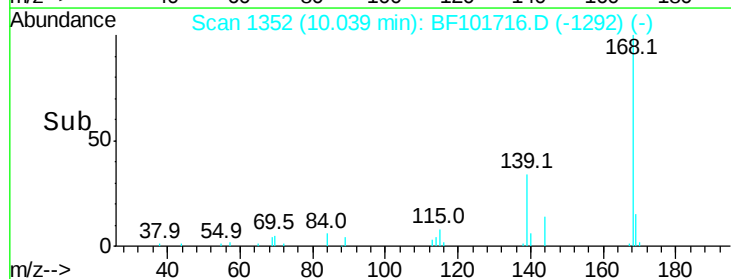
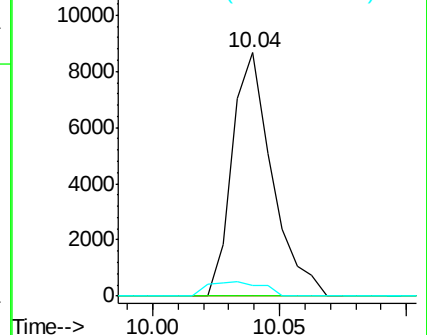
65 4.3 72.6 112.6#

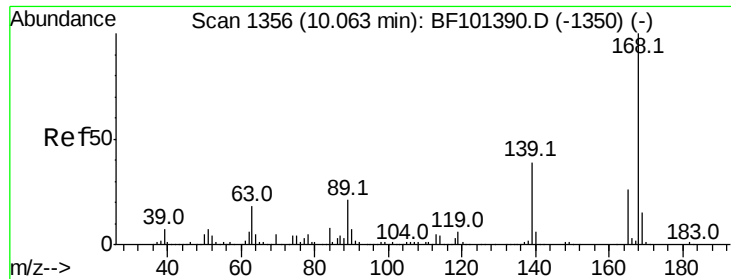


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

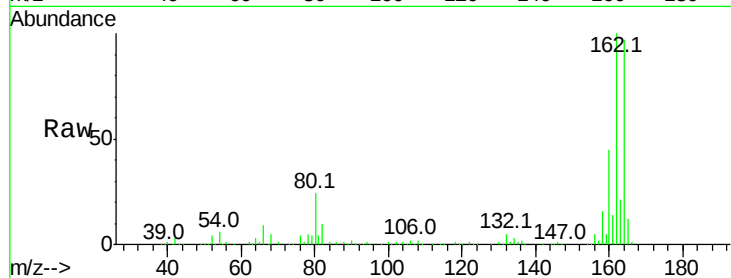




#56
2,4-Dinitrotoluene
Concen: 6.792 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.22 min
Lab File: BF101716.D
Acq: 26 Dec 2017 15:33

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01DL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

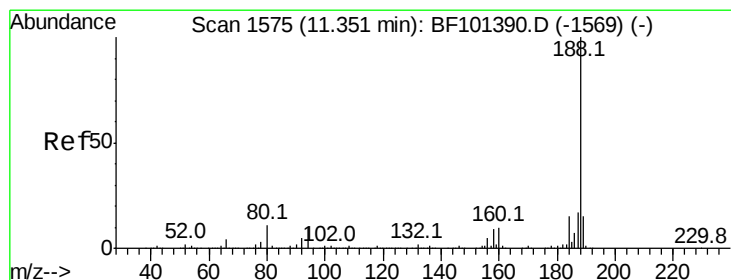
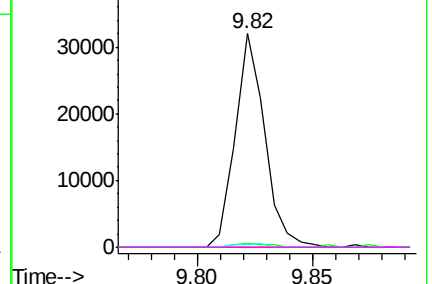
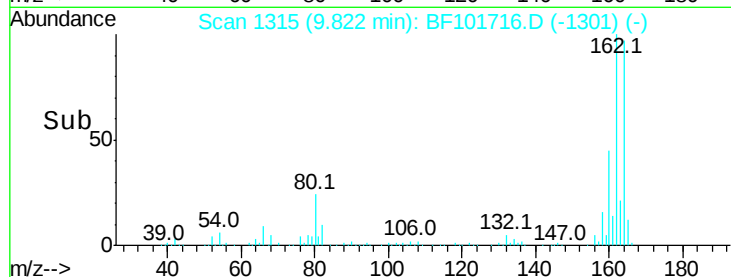


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

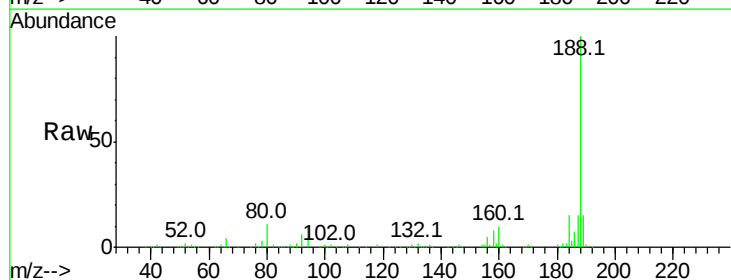
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101716.D
Acq: 26 Dec 2017 15:33

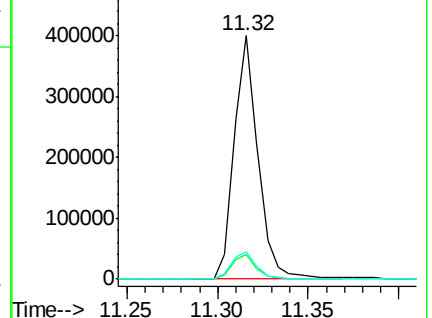
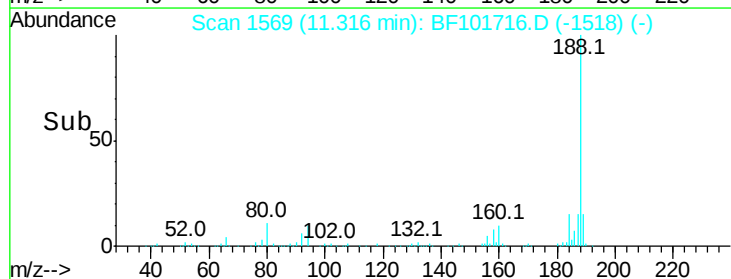
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	11.3	9.2	13.8

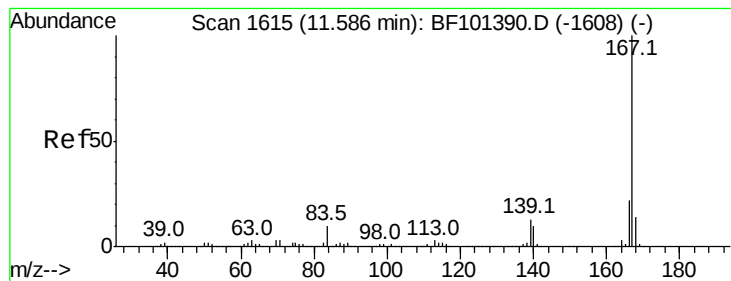


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#72

Carbazole

Concen: 4.073 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

Instrument :

BNA_F

ClientSampleId :

WC-9974103-01DL

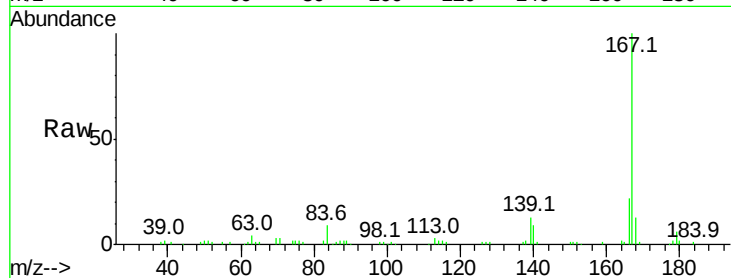
Tot Ion:167 Resp: 79500

Ion Ratio Lower Upper

167 100

166 22.1 17.6 26.4

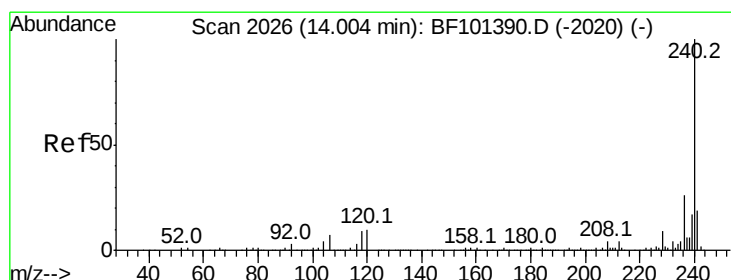
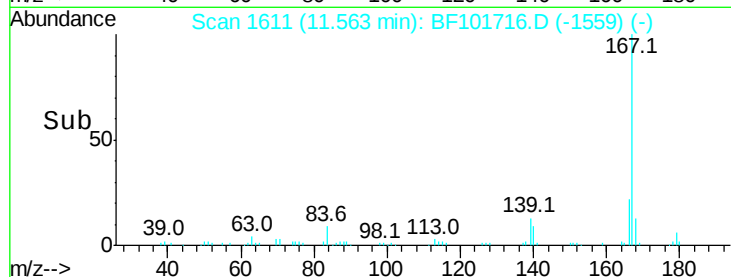
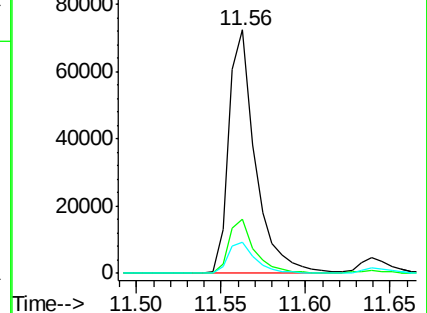
139 12.7 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

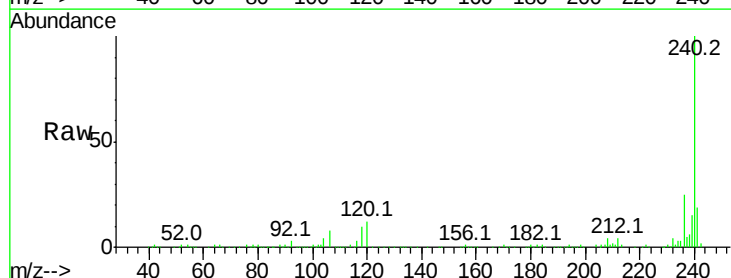
Tgt Ion:240 Resp: 290742

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

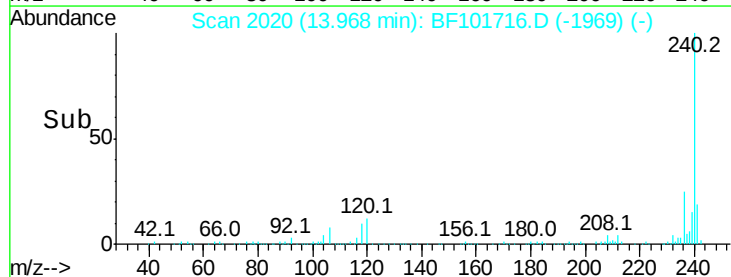
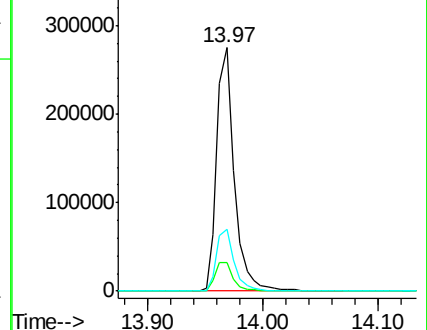
236 25.3 20.7 31.1

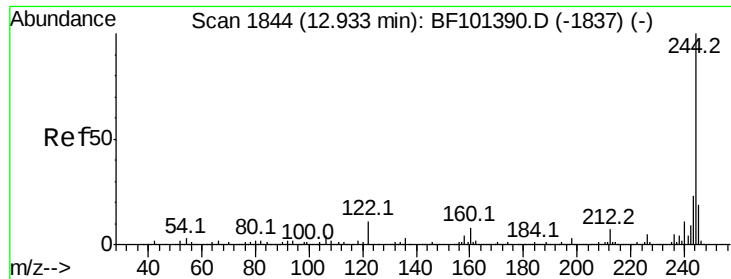


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 14.354 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

Instrument :

BNA_F

ClientSampleId :

WC-9974103-01DL

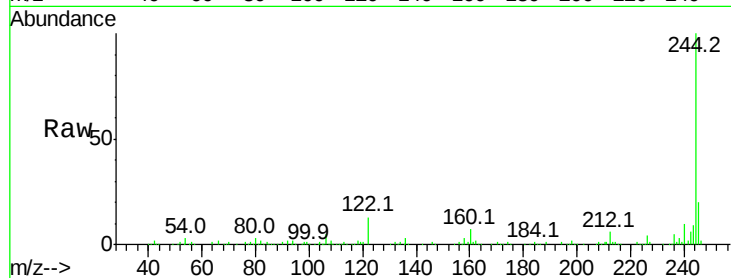
Tot Ion:244 Resp: 173108

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

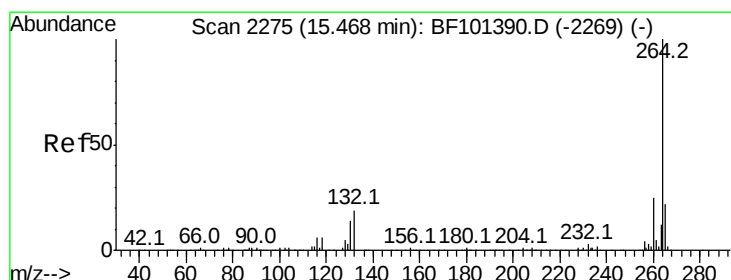
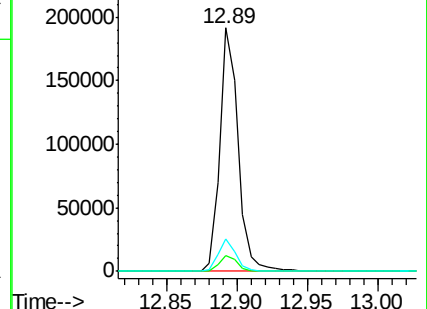
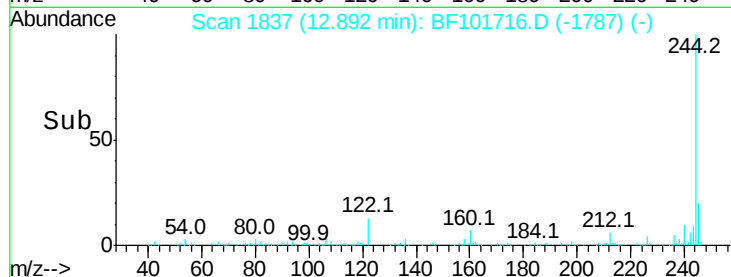
122 13.3 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BF101716.D

Acq: 26 Dec 2017 15:33

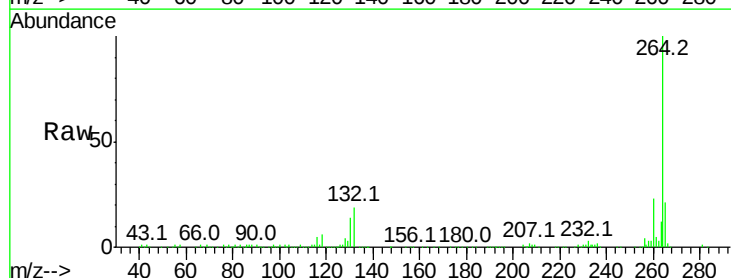
Tgt Ion:264 Resp: 286524

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 20.7 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

