

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
 Data File : BF102407.D
 Acq On : 24 Jan 2018 23:14
 Operator : SJ/JU
 Sample : J1236-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20A-5

Quant Time: Jan 25 02:44:45 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	105351	20.00	ng	0.01
21) Naphthalene-d8	8.01	136	443493	20.00	ng	0.01
38) Acenaphthene-d10	9.75	164	228959	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	352045	20.00	ng	0.00
75) Chrysene-d12	13.87	240	235908	20.00	ng	0.00
86) Perylene-d12	15.30	264	242216	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	427838	61.58	ng	0.02
7) Phenol-d6	6.37	99	947703	113.14	ng	0.01
23) Nitrobenzene-d5	7.29	82	554044	71.79	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	185248	81.66	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	960939	61.71	ng	0.00
78) Terphenyl-d14	12.82	244	679419	64.93	ng	0.00

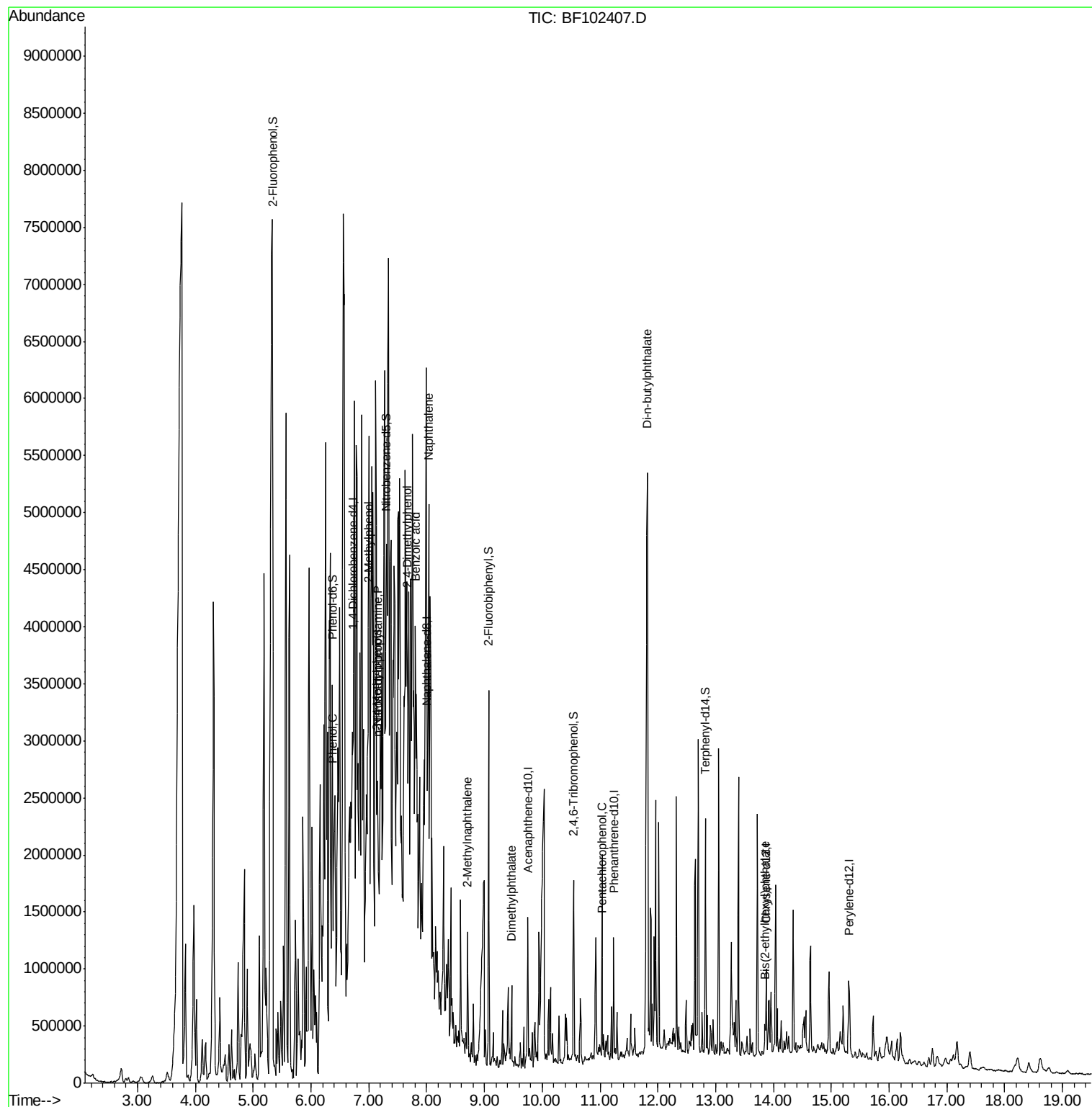
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	49763	5.442	ng	87
17) 2-Methylphenol	6.99	107	95174	15.046	ng	# 82
19) n-Nitroso-di-n-propylamine	7.15	70	93792	18.297	ng	# 64
20) 3+4-Methylphenols	7.14	107	142236	19.119	ng	90
27) 2,4-Dimethylphenol	7.67	122	45490	7.537	ng	# 54
31) Naphthalene	8.03	128	1407161	63.549	ng	99
32) Benzoic acid	7.80	122	27945	5.526	ng	# 64
37) 2-Methylnaphthalene	8.71	142	299620	20.318	ng	98
49) Dimethylphthalate	9.47	163	171940	9.085	ng	99
69) Pentachlorophenol	11.05	266	9699	4.356	ng	95
73) Di-n-butylphthalate	11.82	149	4417874	173.019	ng	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	79739	6.537	ng	# 98

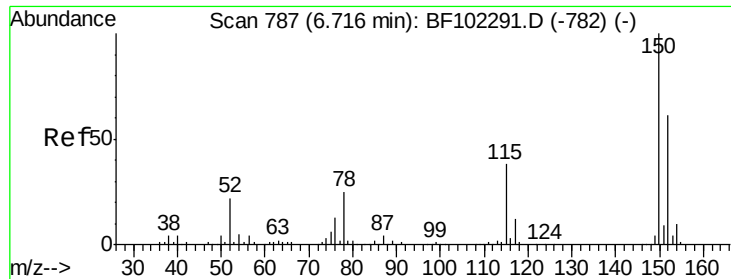
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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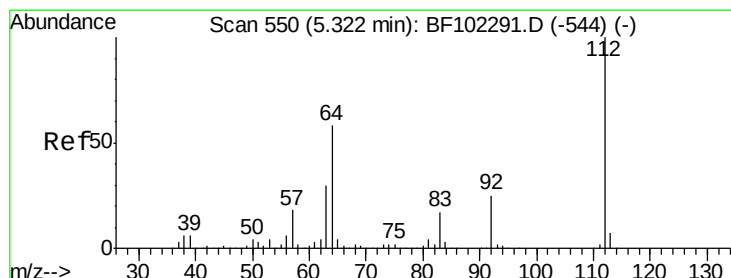
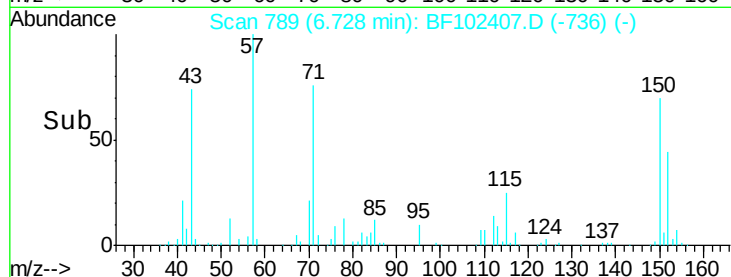
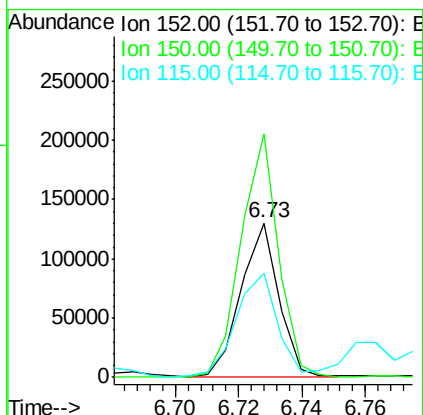
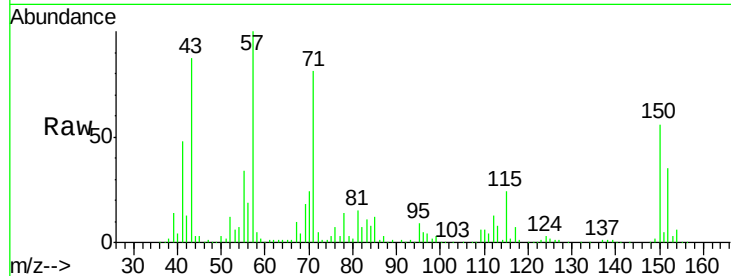


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Instrument :
BNA_F
ClientSampleId :
20A-5

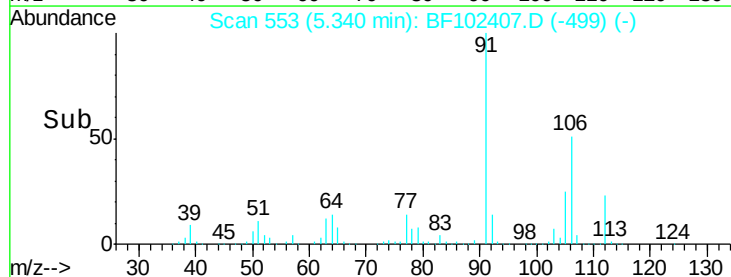
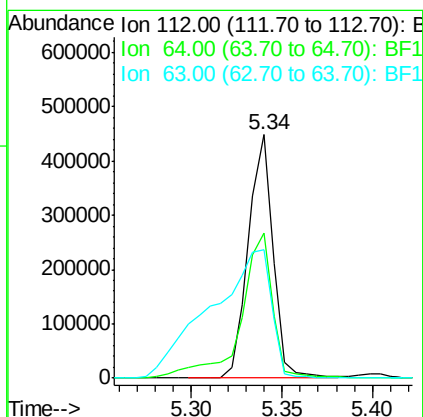
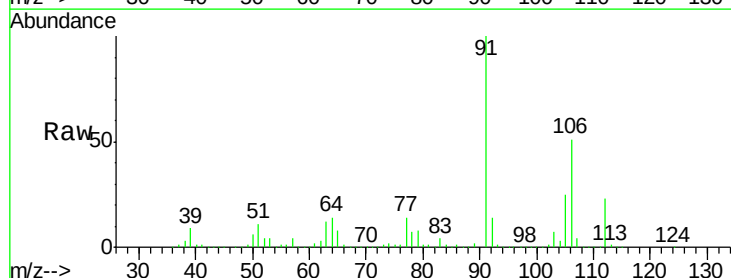
Tgt Ion:152 Resp: 105351
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 67.8 50.1 75.1

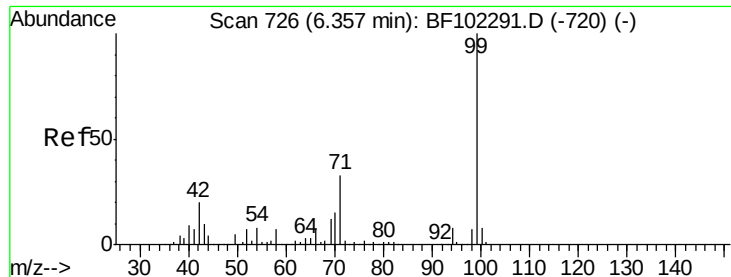


#5

2-Fluorophenol
Concen: 61.576 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:112 Resp: 427838
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 52.7 23.7 35.5#





#7

Phenol-d6

Concen: 113.138 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

Instrument :

BNA_F

ClientSampleId :

20A-5

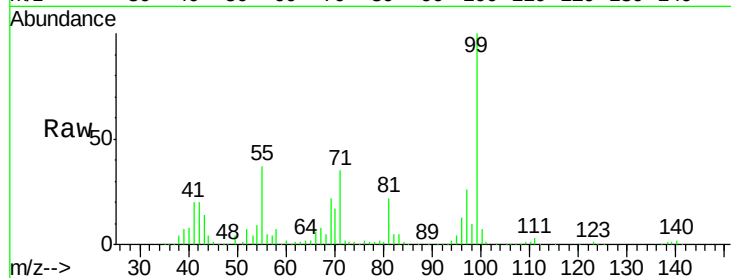
Tgt Ion: 99 Resp: 947703

Ion Ratio Lower Upper

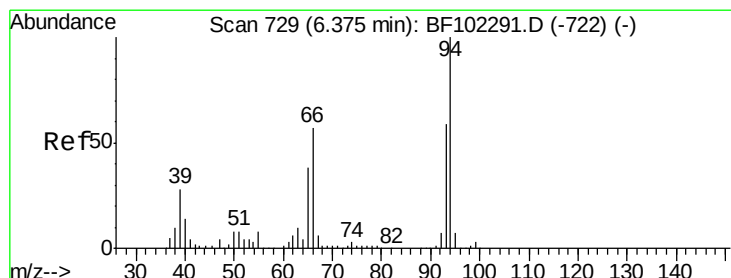
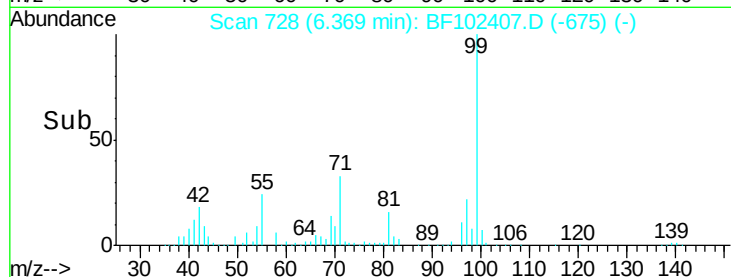
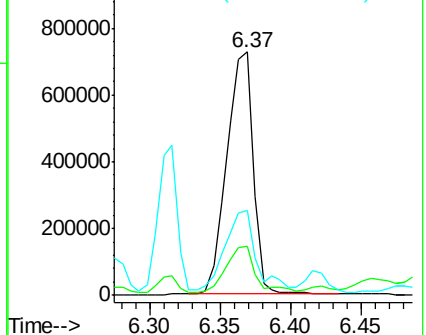
99 100

42 20.3 14.5 21.7

71 34.9 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: 5.442 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

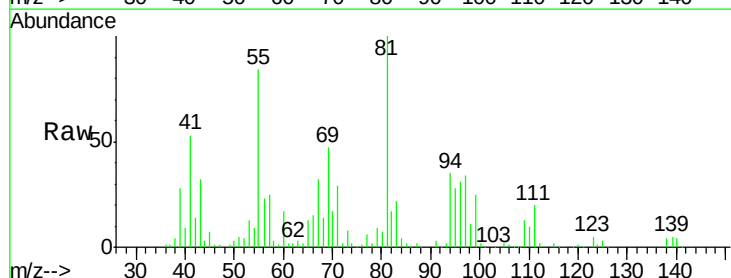
Tgt Ion: 94 Resp: 49763

Ion Ratio Lower Upper

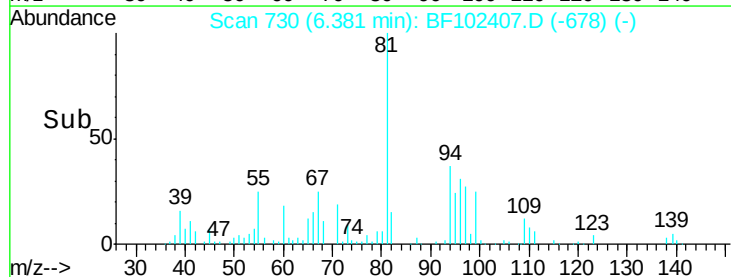
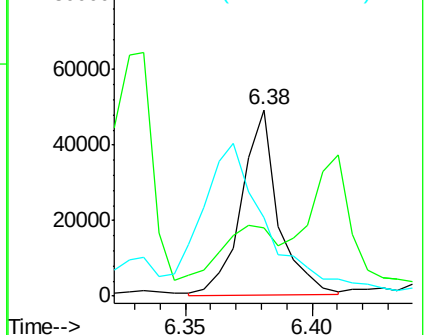
94 100

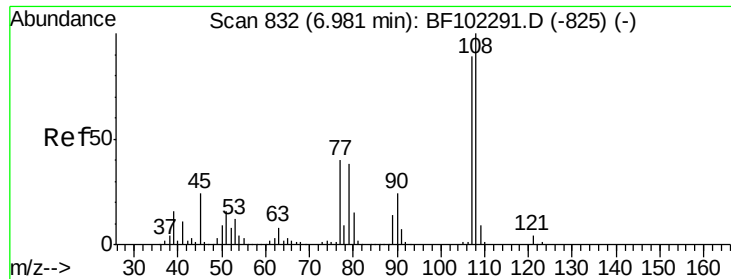
65 36.6 7.9 47.9

66 42.0 16.2 56.2



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





#17

2-Methylphenol

Concen: 15.046 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.01 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

Instrument :

BNA_F

ClientSampled :

20A-5

Tgt Ion:107 Resp: 95174

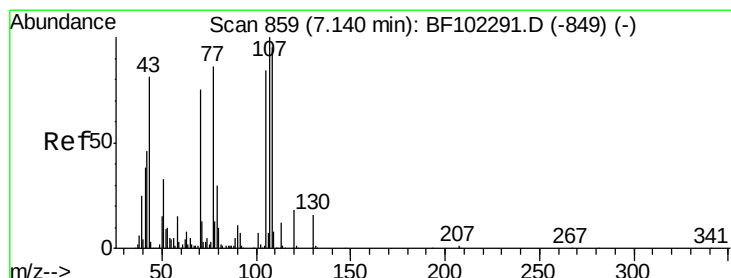
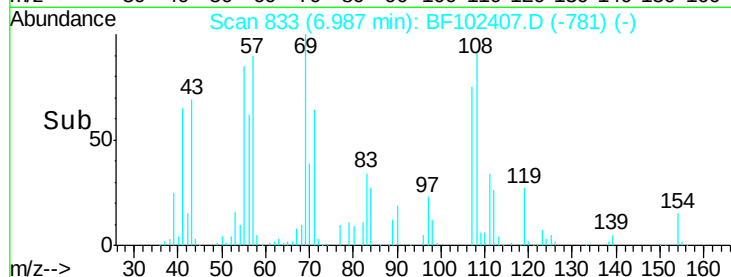
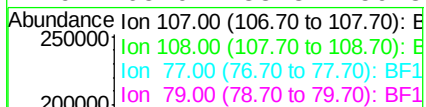
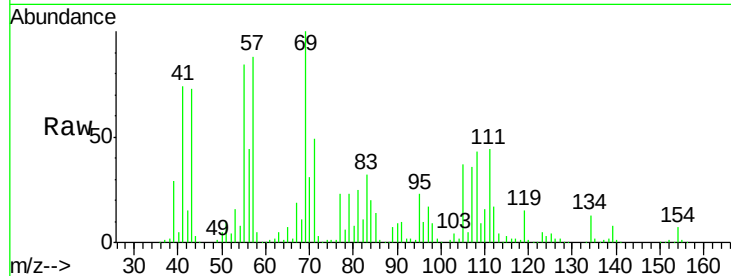
Ion Ratio Lower Upper

107 100

108 120.4 91.7 137.5

77 64.6 33.8 50.8#

79 65.0 33.8 50.8#



#19

n-Nitroso-di-n-propylamine

Concen: 18.297 ng

RT: 7.15 min Scan# 861

Delta R.T. 0.01 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

Tgt Ion: 70 Resp: 93792

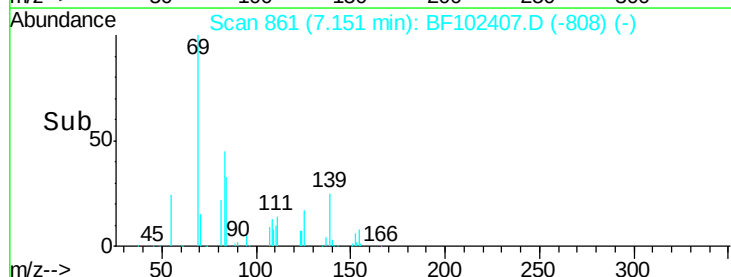
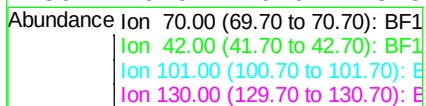
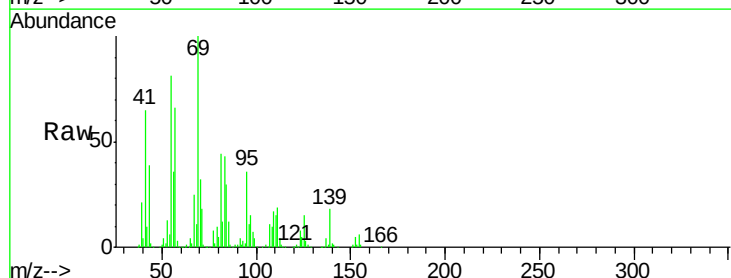
Ion Ratio Lower Upper

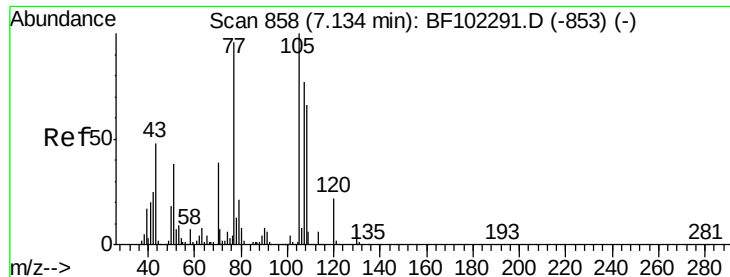
70 100

42 33.2 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

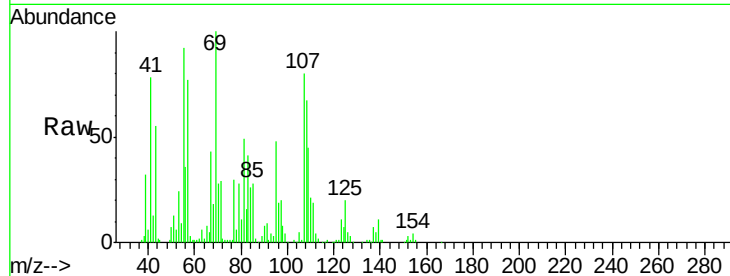




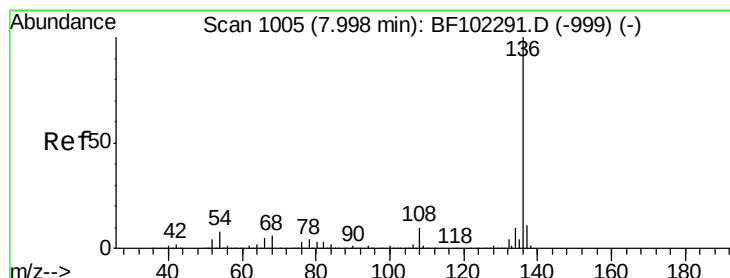
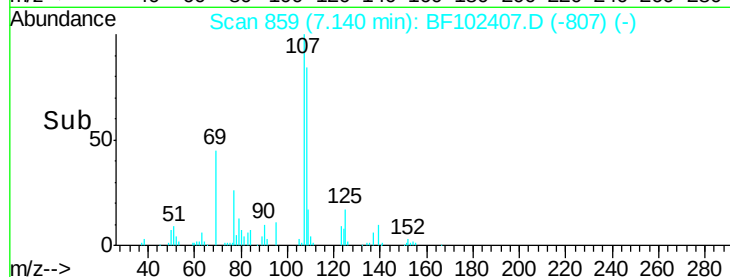
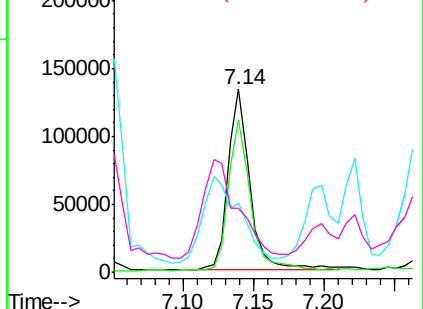
#20
3+4-Methylphenols
Concen: 19.119 ng
RT: 7.14 min Scan# 859
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Instrument :
BNA_F
ClientSampled :
20A-5

Tgt Ion:107 Resp: 142236
Ion Ratio Lower Upper
107 100
108 83.4 68.2 108.2
77 37.6 26.7 66.7
79 35.2 6.3 46.3

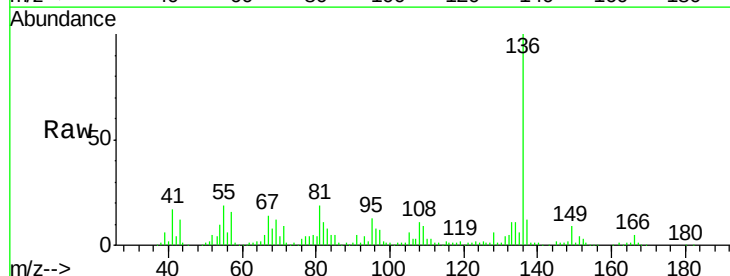


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

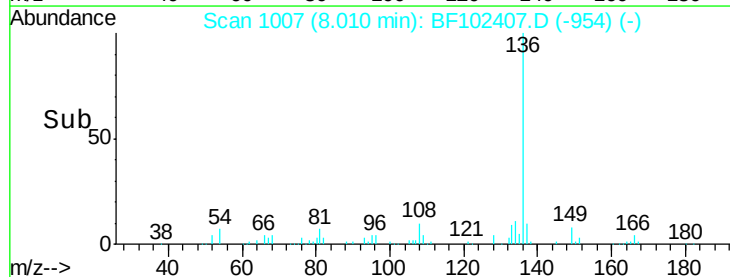
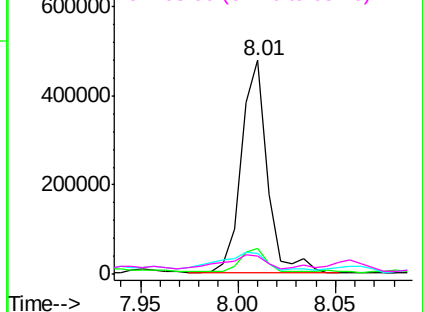


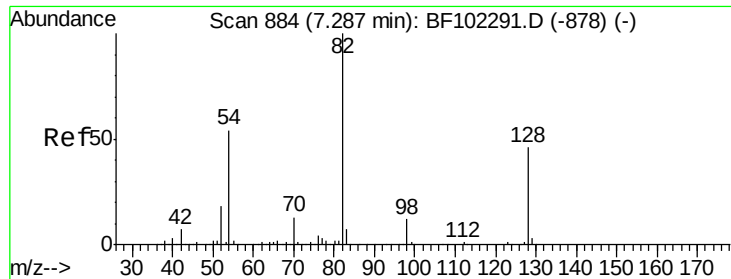
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:136 Resp: 443493
Ion Ratio Lower Upper
136 100
137 11.9 8.9 13.3
54 9.8 6.6 9.8
68 8.3 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

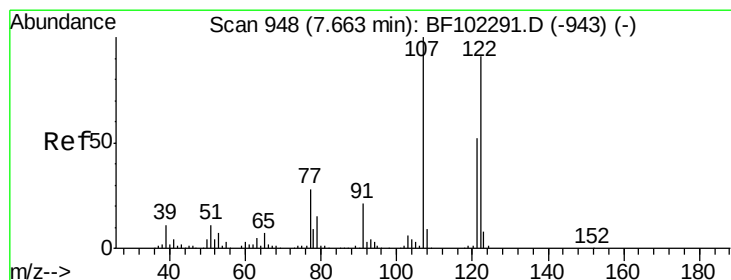
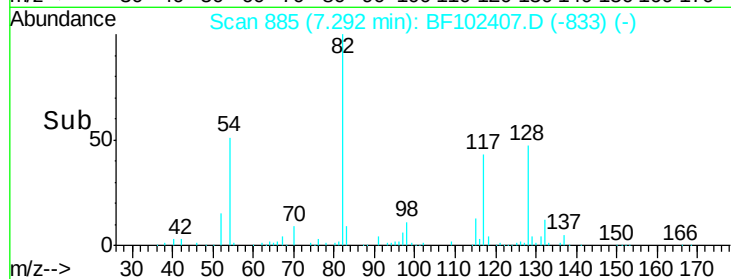
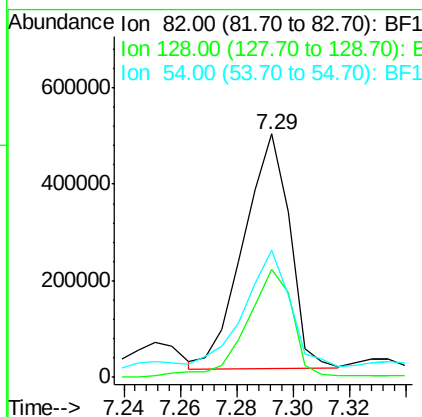
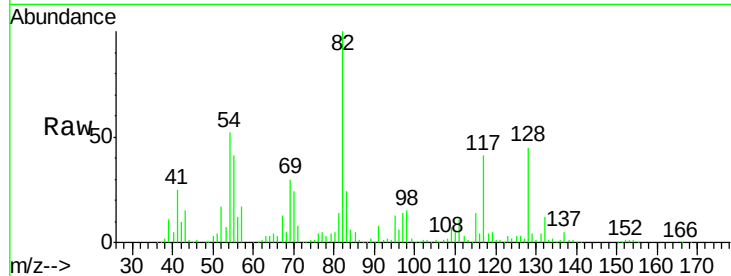




#23
 Nitrobenzene-d5
 Concen: 71.792 ng
 RT: 7.29 min Scan# 885
 Delta R.T. 0.01 min
 Lab File: BF102407.D
 Acq: 24 Jan 2018 23:14

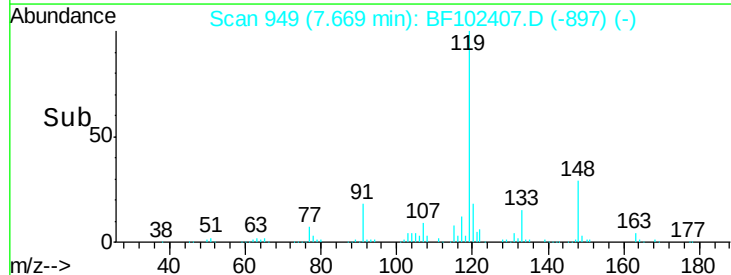
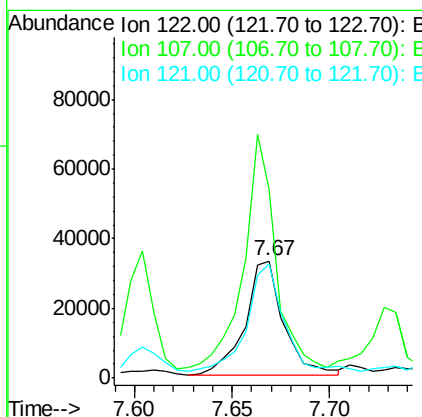
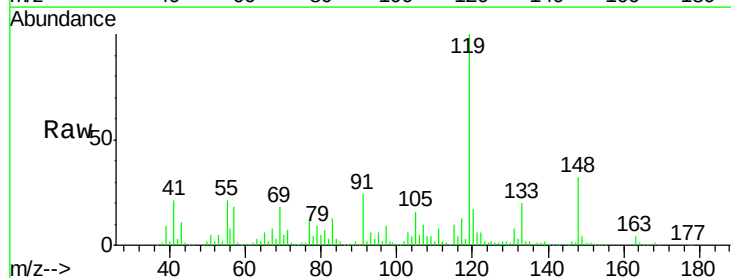
Instrument :
 BNA_F
 ClientSampleId :
 20A-5

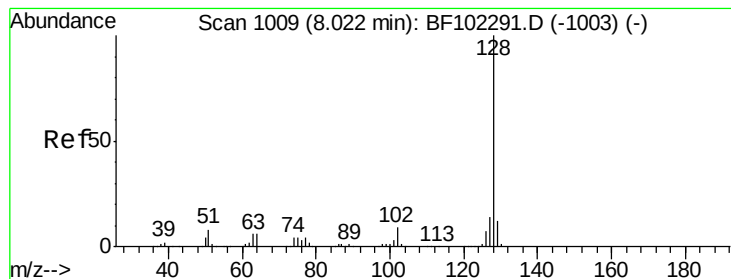
Tgt Ion: 82 Resp: 554044
 Ion Ratio Lower Upper
 82 100
 128 44.5 36.1 54.1
 54 52.1 41.4 62.2



#27
 2,4-Dimethylphenol
 Concen: 7.537 ng
 RT: 7.67 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: BF102407.D
 Acq: 24 Jan 2018 23:14

Tgt Ion: 122 Resp: 45490
 Ion Ratio Lower Upper
 122 100
 107 161.6 91.2 136.8#
 121 97.2 47.2 70.8#





#31

Naphthalene

Concen: 63.549 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

Instrument :

BNA_F

ClientSampleId :

20A-5

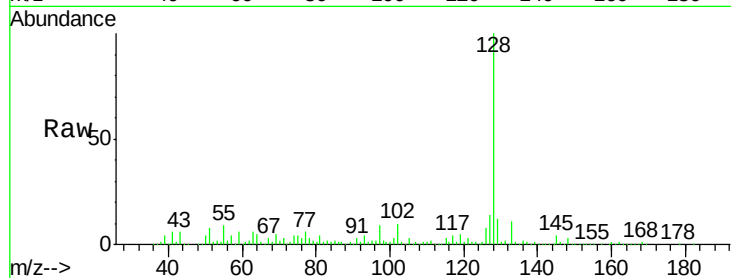
Tgt Ion:128 Resp: 1407161

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

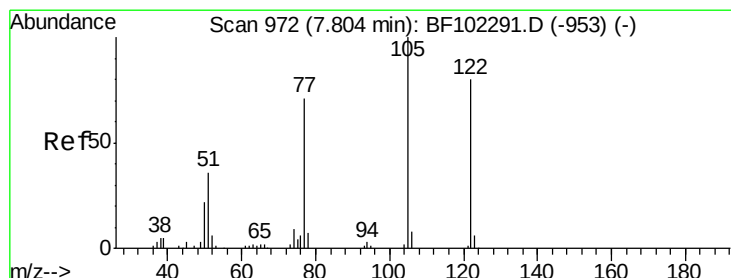
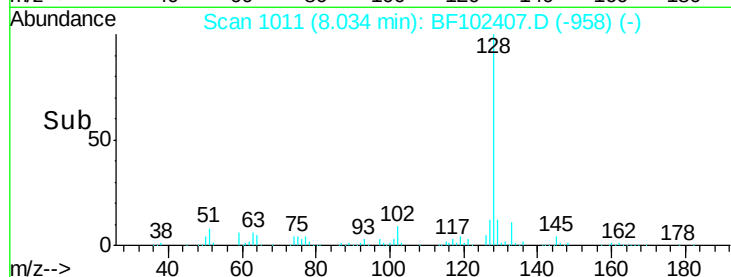
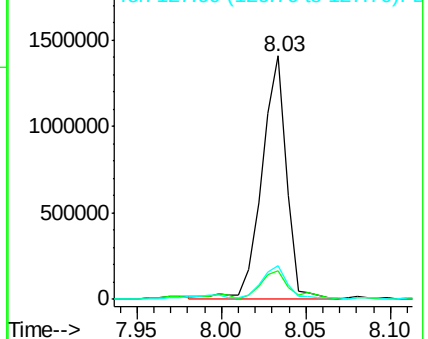
127 13.8 10.9 16.3



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: 5.526 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

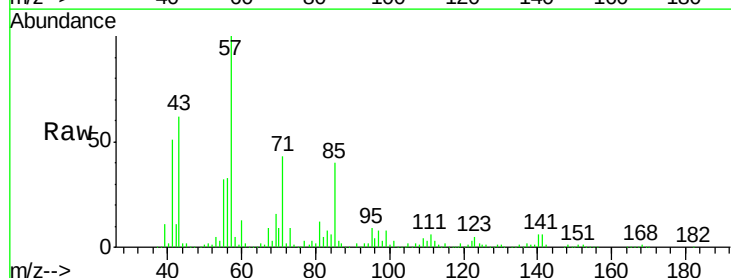
Tgt Ion:122 Resp: 27945

Ion Ratio Lower Upper

122 100

105 66.6 101.1 141.1#

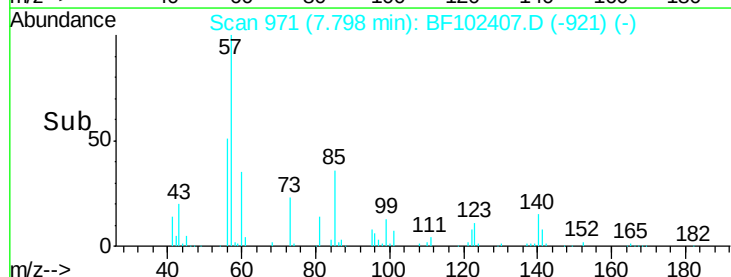
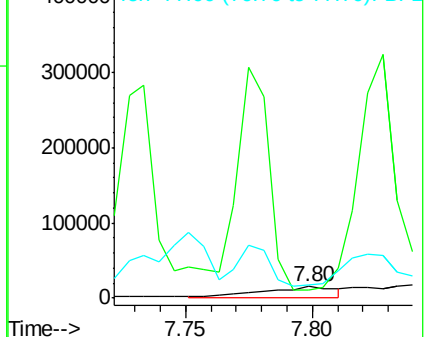
77 109.0 70.7 110.7

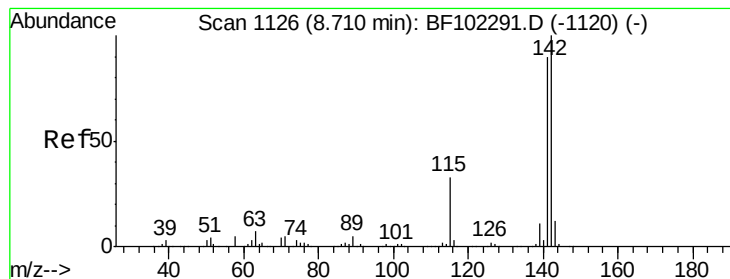


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#37

2-Methylnaphthalene

Concen: 20.318 ng

RT: 8.71 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

Instrument :

BNA_F

ClientSampleId :

20A-5

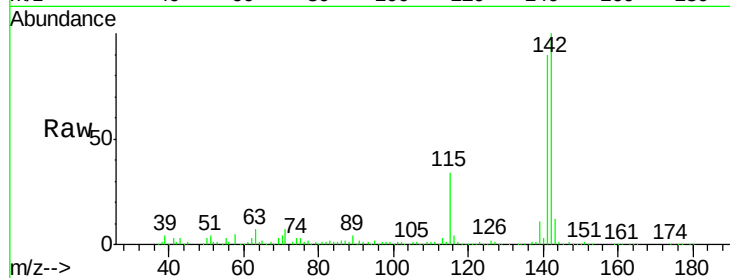
Tgt Ion:142 Resp: 299620

Ion Ratio Lower Upper

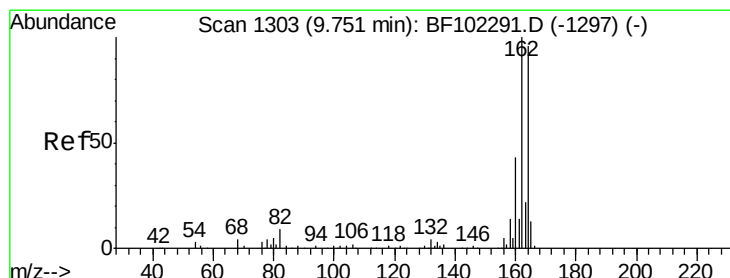
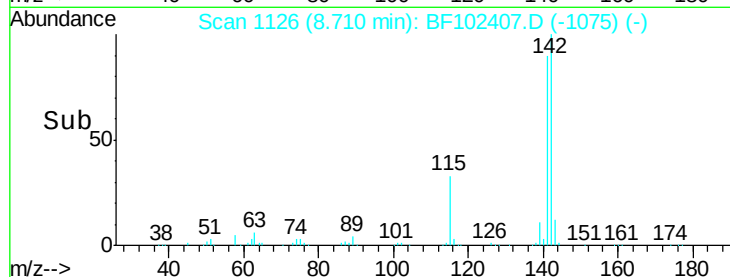
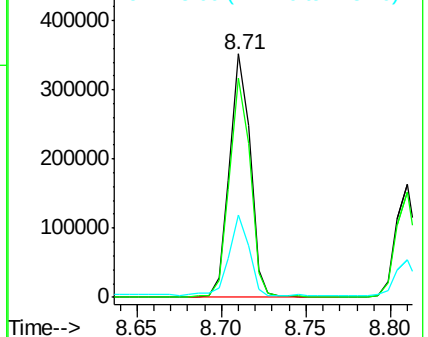
142 100

141 90.1 70.8 106.2

115 33.7 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

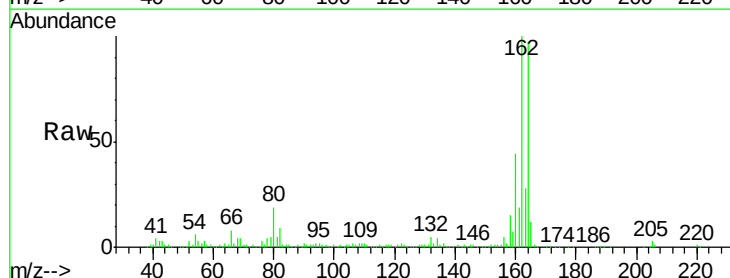
Tgt Ion:164 Resp: 228959

Ion Ratio Lower Upper

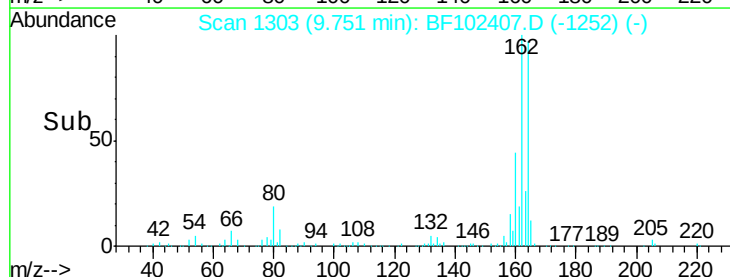
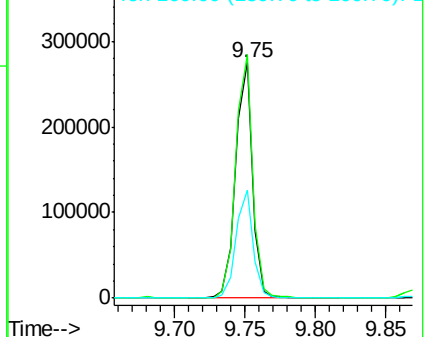
164 100

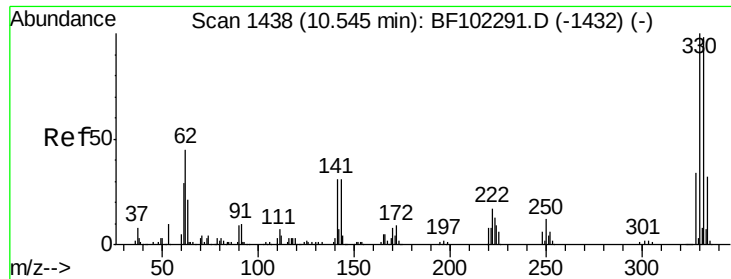
162 103.3 86.1 129.1

160 45.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

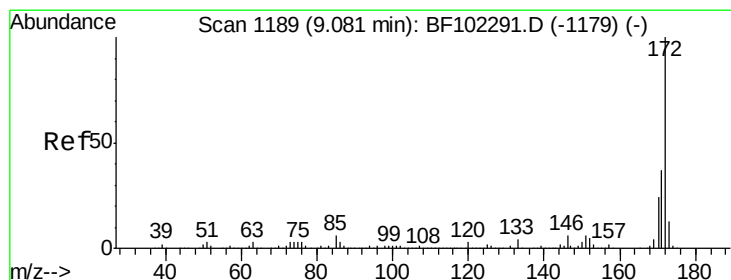
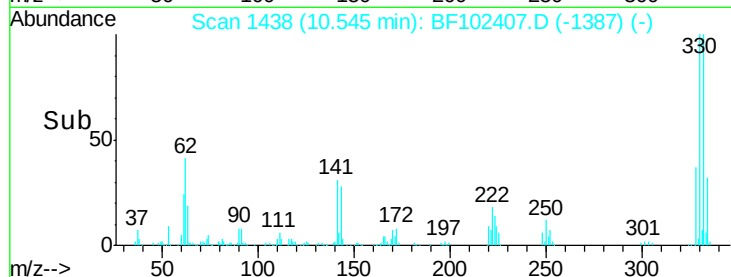
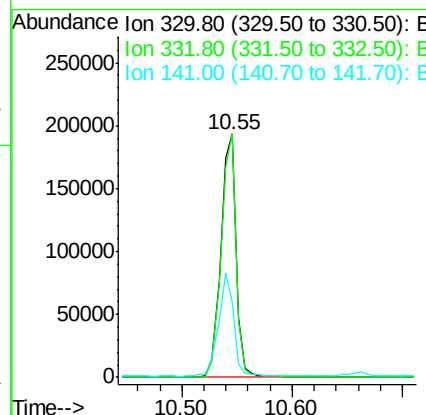
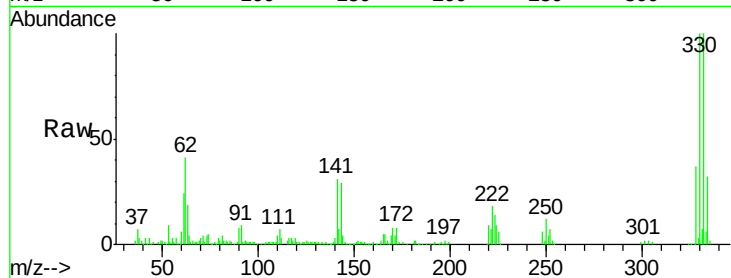




#41
 2,4,6-Tribromophenol
 Concen: 81.655 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102407.D
 Acq: 24 Jan 2018 23:14

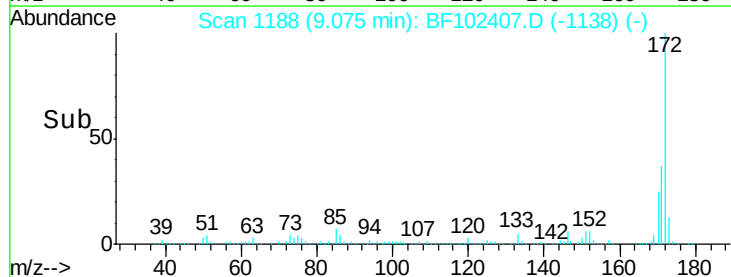
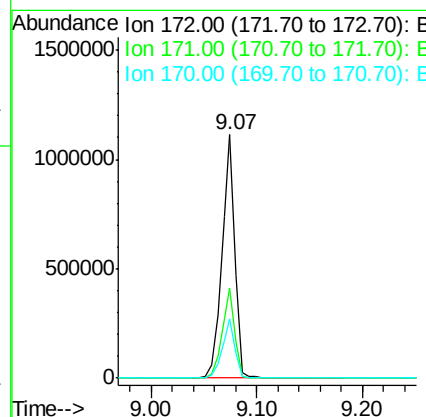
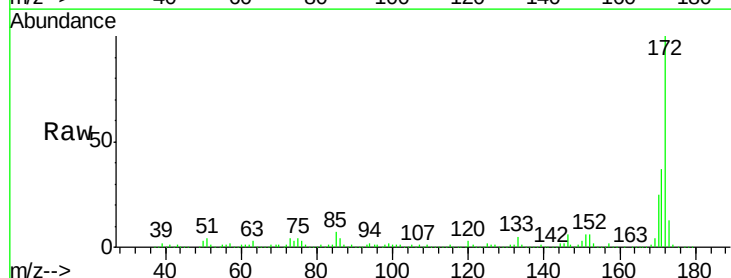
Instrument :
 BNA_F
 ClientSampled :
 20A-5

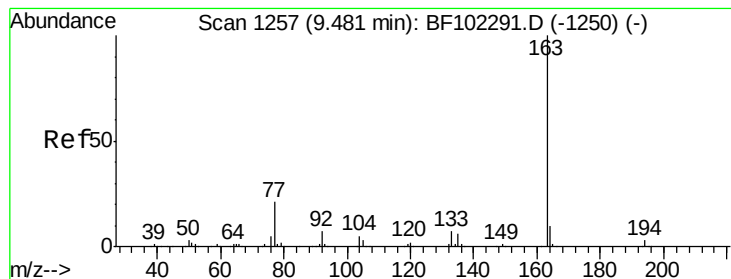
Tgt Ion:330 Resp: 185248
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 42.6 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 61.711 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102407.D
 Acq: 24 Jan 2018 23:14

Tgt Ion:172 Resp: 960939
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 24.6 19.6 29.4





#49

Dimethylphthalate

Concen: 9.085 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

Instrument :

BNA_F

ClientSampleId :

20A-5

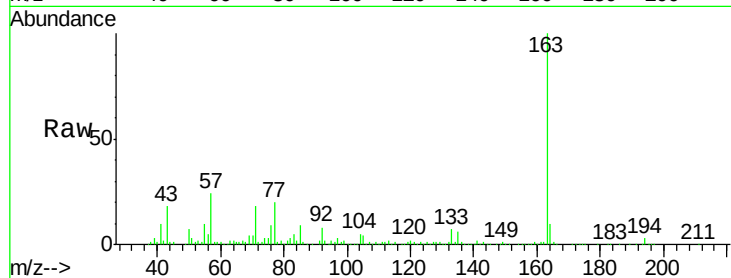
Tgt Ion:163 Resp: 171940

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

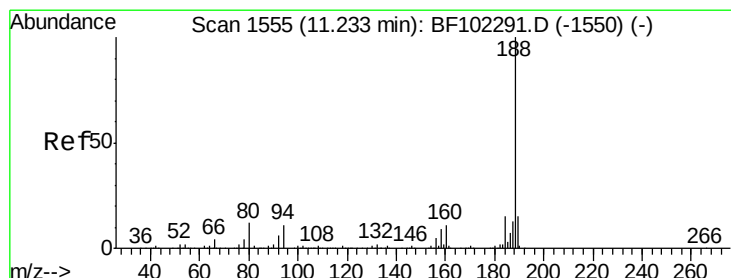
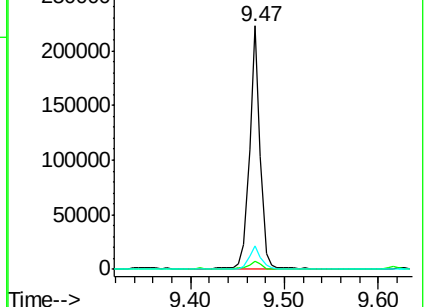
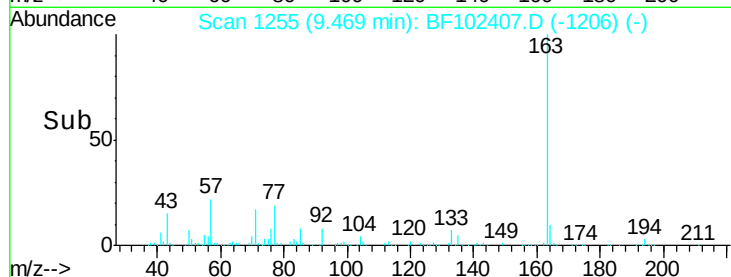
164 9.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.00 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

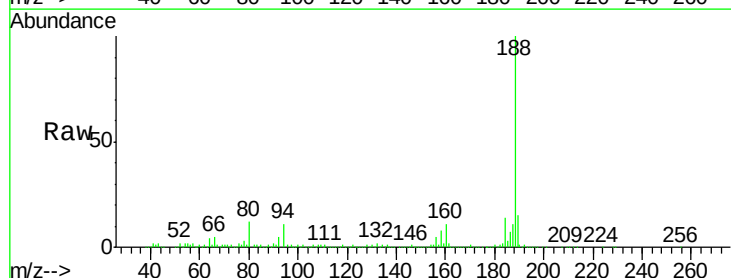
Tgt Ion:188 Resp: 352045

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

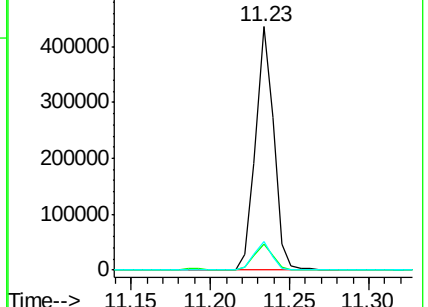
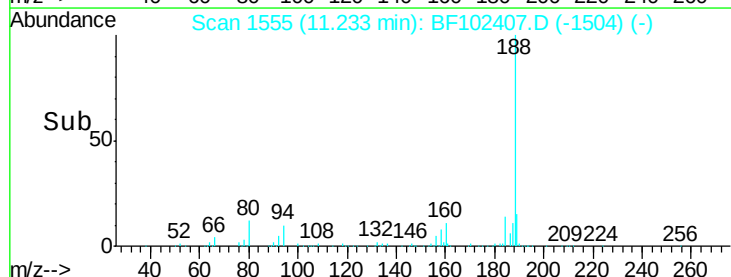
80 11.9 9.2 13.8

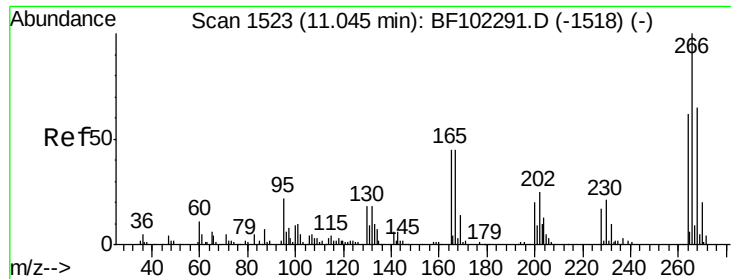


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#69

Pentachlorophenol

Concen: 4.356 ng

RT: 11.05 min Scan# 1523

Delta R.T. -0.00 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

Instrument :

BNA_F

ClientSampleId :

20A-5

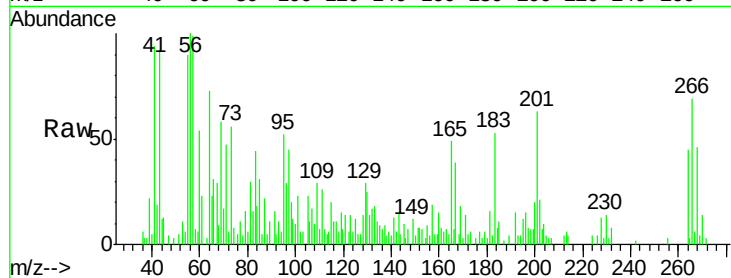
Tgt Ion:266 Resp: 9699

Ion Ratio Lower Upper

266 100

268 67.4 51.1 76.7

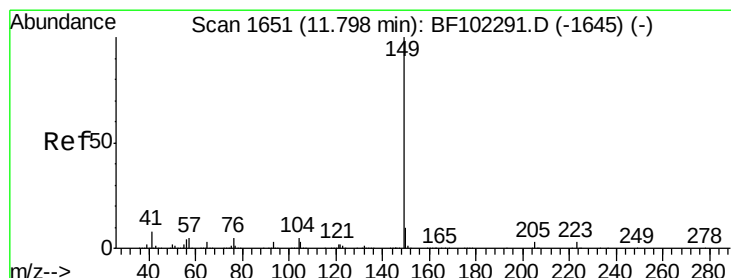
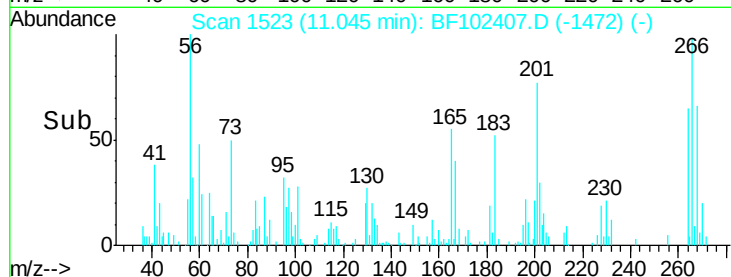
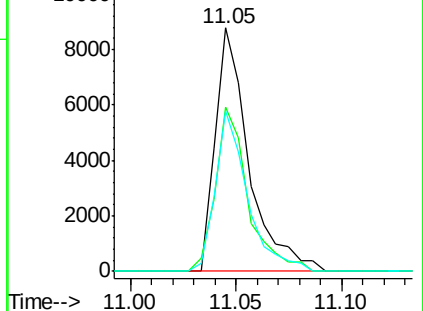
264 66.0 49.5 74.3



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#73

Di-n-butylphthalate

Concen: 173.019 ng

RT: 11.82 min Scan# 1655

Delta R.T. 0.02 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

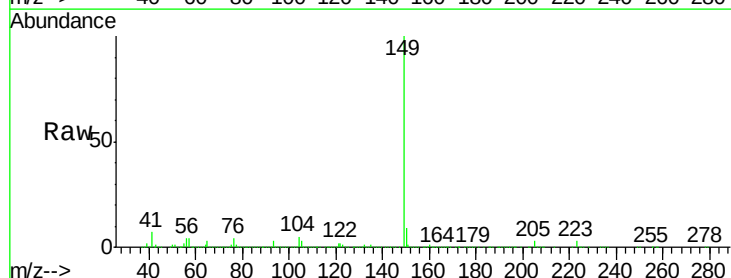
Tgt Ion:149 Resp: 4417874

Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.6

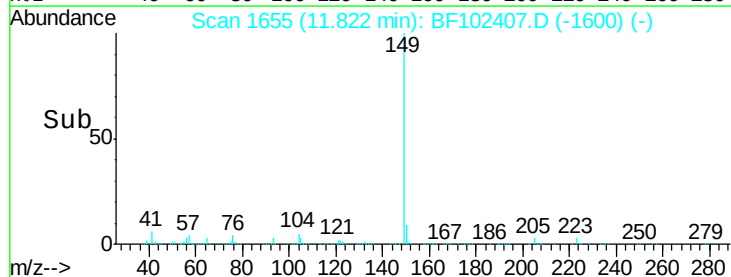
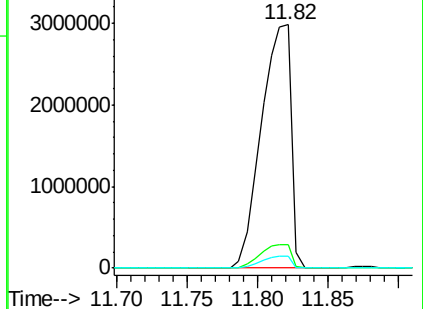
104 4.8 3.8 5.8

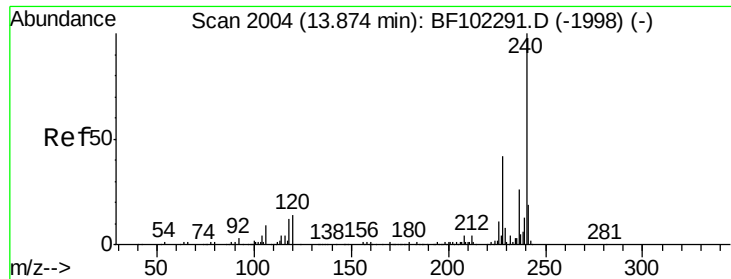


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

Instrument :

BNA_F

ClientSampleId :

20A-5

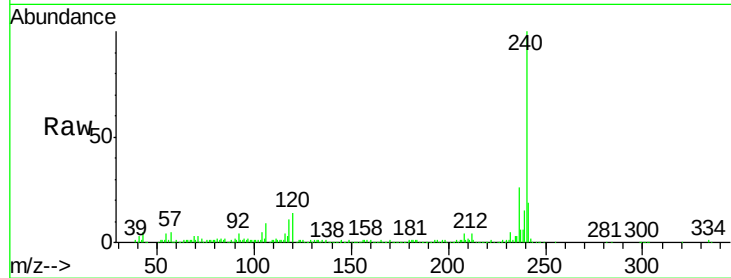
Tgt Ion:240 Resp: 235908

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

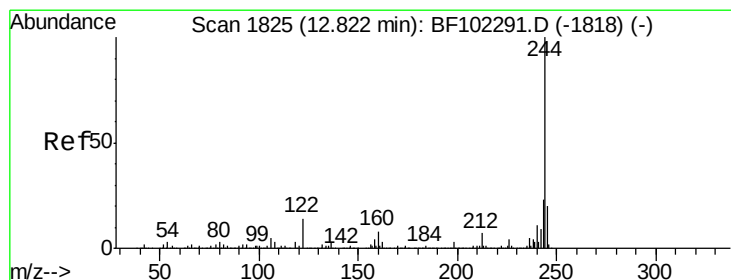
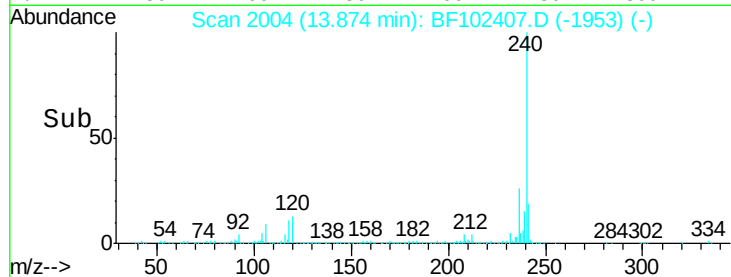
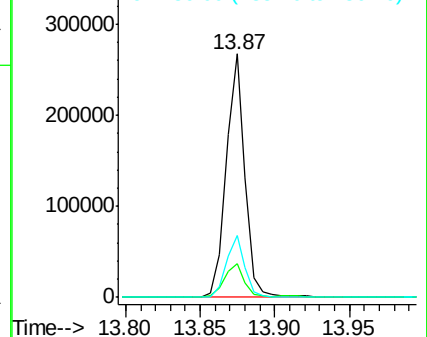
236 25.6 20.7 31.1



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: 64.926 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102407.D

Acq: 24 Jan 2018 23:14

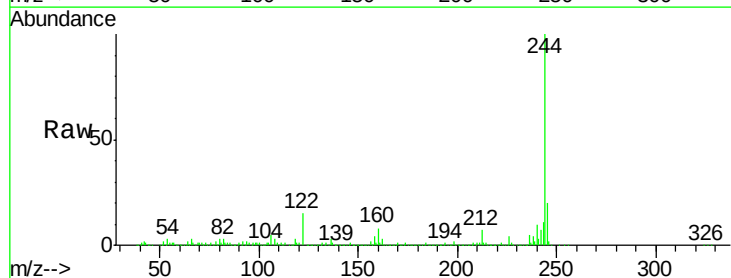
Tgt Ion:244 Resp: 679419

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

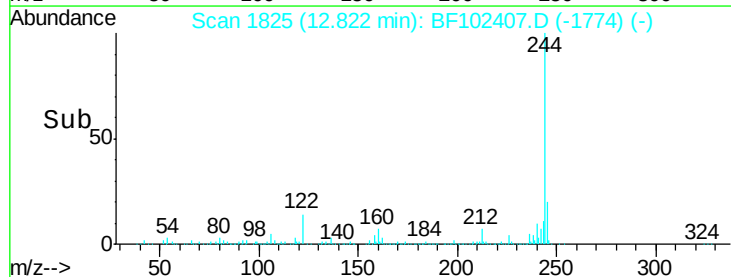
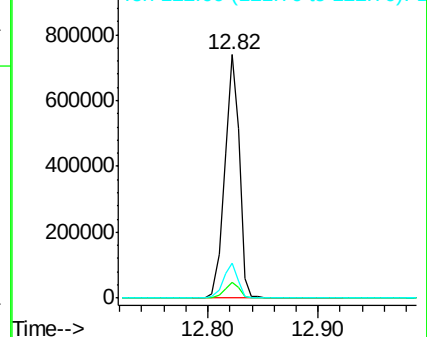
122 14.6 11.0 16.4

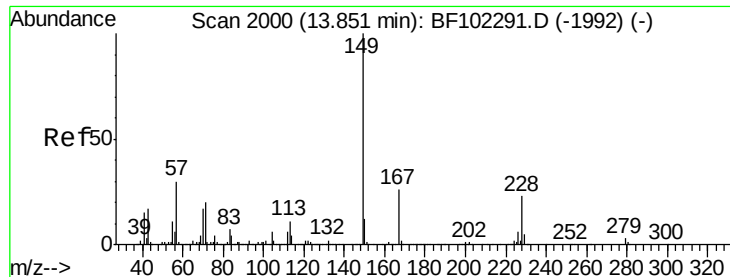


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

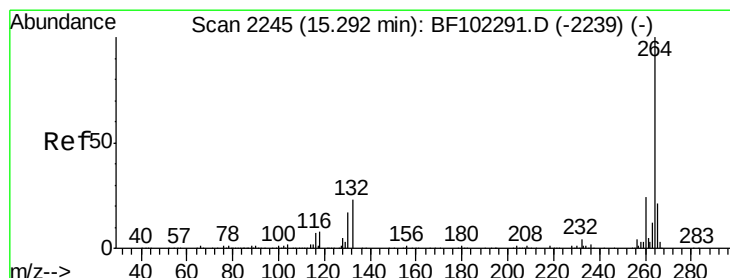
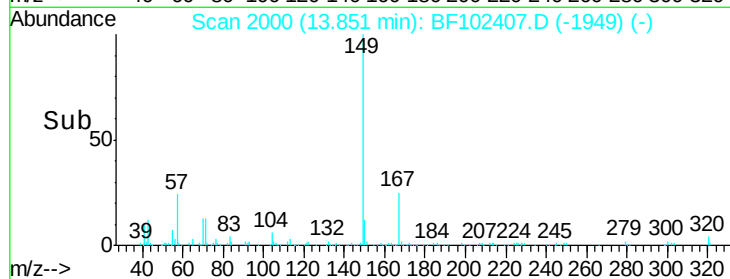
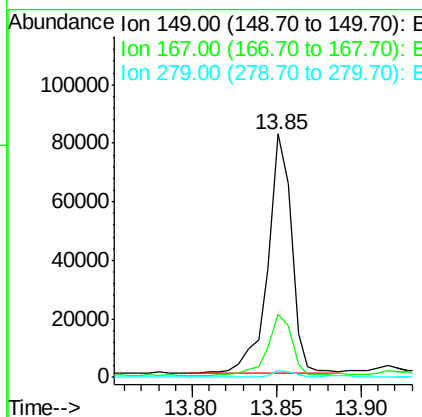
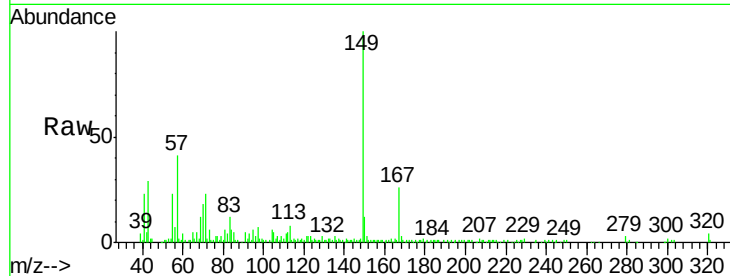




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.537 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.00 min
 Lab File: BF102407.D
 Acq: 24 Jan 2018 23:14

Instrument :
 BNA_F
 ClientSampleId :
 20A-5

Tgt Ion:149 Resp: 79739
 Ion Ratio Lower Upper
 149 100
 167 25.7 21.3 31.9
 279 2.7 3.0 4.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102407.D
 Acq: 24 Jan 2018 23:14

Tgt Ion:264 Resp: 242216
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.2 28.8
 265 21.8 17.5 26.3

