

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111887.D
 Acq On : 7 Jan 2019 20:09
 Operator : JU/SJ
 Sample : K1036-12RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 08 04:06:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	146917	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	566013	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	231225	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	343497	20.00	ng	0.00
76) Chrysene-d12	14.06	240	385541	20.00	ng	0.00
87) Perylene-d12	15.54	264	406127	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	914883	106.54	ng	0.00
7) Phenol-d6	6.53	99	1096843	99.10	ng	0.00
23) Nitrobenzene-d5	7.45	82	625530	59.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	231594	77.00	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1257095	79.28	ng	0.00
79) Terphenyl-d14	13.00	244	1055454	51.97	ng	0.00

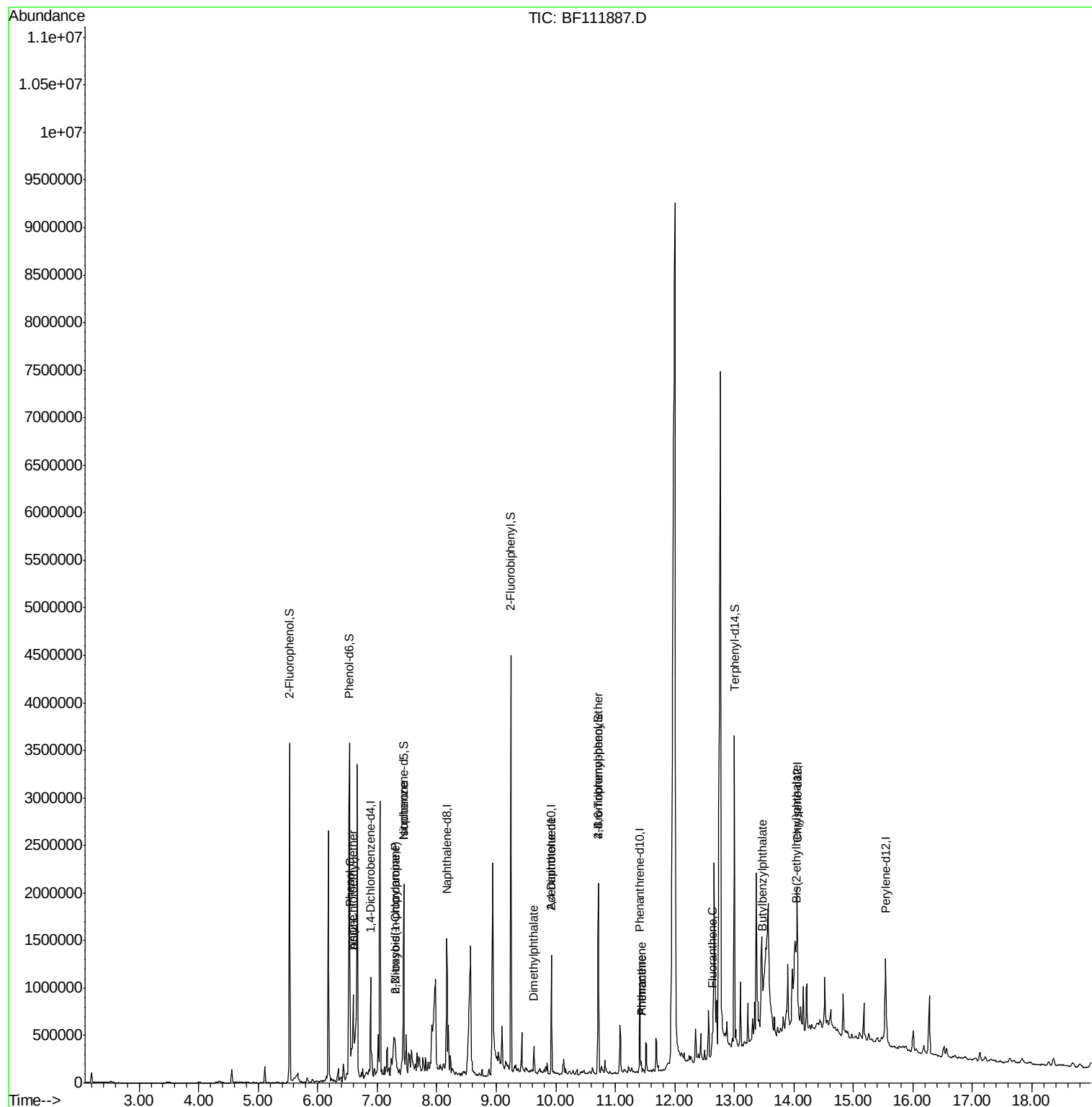
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.60	93	102055	7.626	ng	# 25
9) Benzaldehyde	6.35	77	5839	Below Cal		# 20
10) Phenol	6.55	94	33157	2.756	ng	# 76
11) bis(2-Chloroethyl)ether	6.60	93	102055	10.966	ng	# 20
16) 2,2'-oxybis(1-Chloropropan	7.30	45	39412	2.484	ng	# 83
19) n-Nitroso-di-n-propylamine	7.30	70	32582	4.531	ng	# 38
25) Isophorone	7.45	82	613847	35.794	ng	# 66
50) Dimethylphthalate	9.63	163	73207	4.215	ng	# 99
57) 2,4-Dinitrotoluene	9.93	165	29775	5.932	ng	# 28
67) 4-Bromophenyl-phenylether	10.72	248	14026	3.153	ng	# 1
71) Phenanthrene	11.43	178	37831	2.060	ng	# 99
72) Anthracene	11.43	178	37831	2.029	ng	# 99
75) Fluoranthene	12.63	202	48762	2.586	ng	# 96
80) Butylbenzylphthalate	13.47	149	35946	3.205	ng	# 79
84) Bis(2-ethylhexyl)phthalate	14.03	149	31664	2.150	ng	# 89

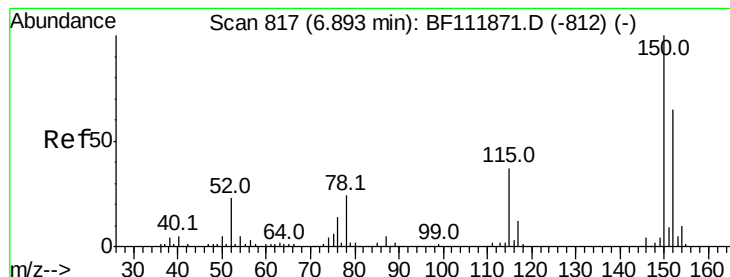
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111887.D
Acq On : 7 Jan 2019 20:09
Operator : JU/SJ
Sample : K1036-12RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 08 04:06:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration



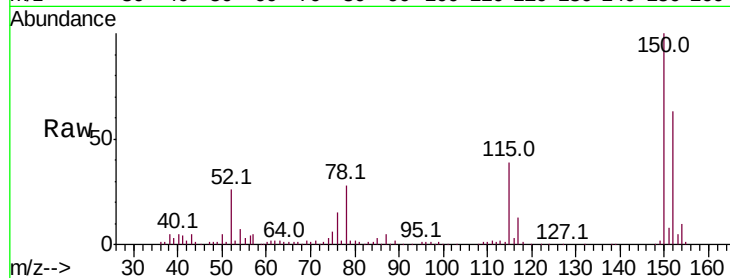


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111887.D
Acq: 7 Jan 2019 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	122.7	184.1
115	62.2	45.2	67.8

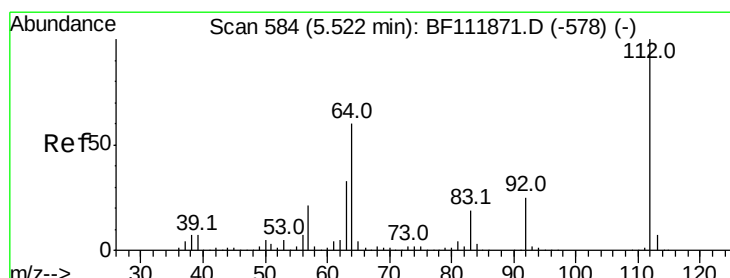
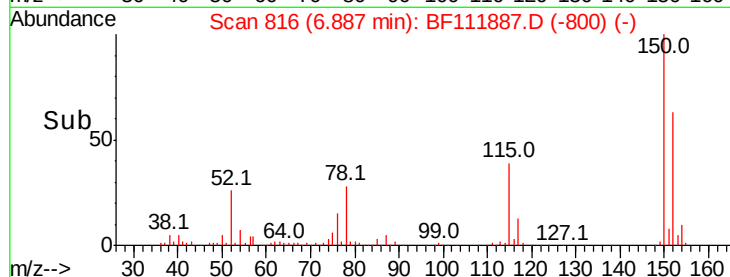
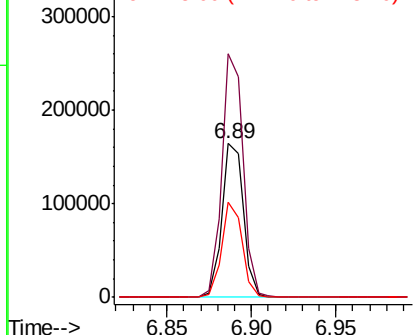


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

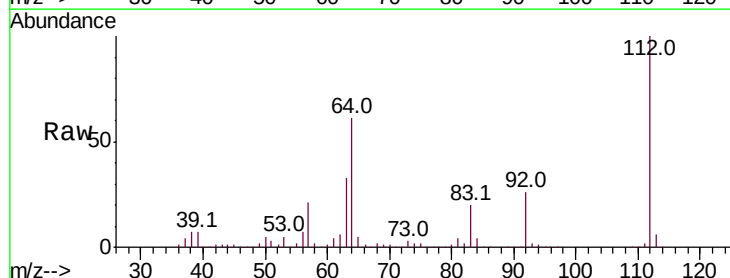
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.536 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111887.D
Acq: 7 Jan 2019 20:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	48.3	72.5
63	33.5	26.1	39.1

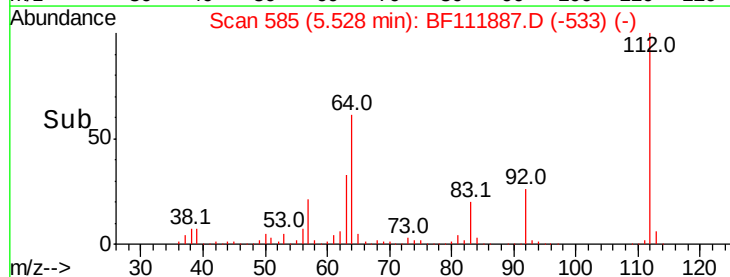
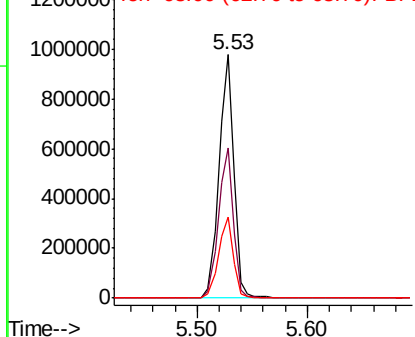


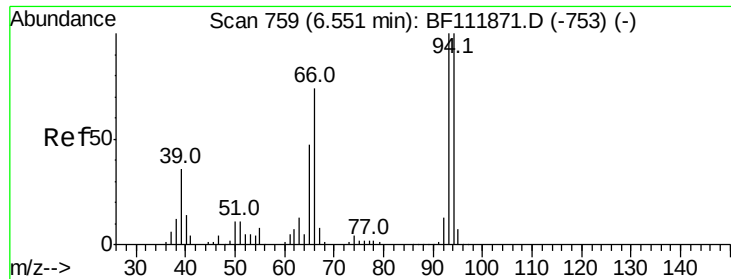
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 7.626 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.05 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

Instrument :

BNA_F

ClientSampleId :

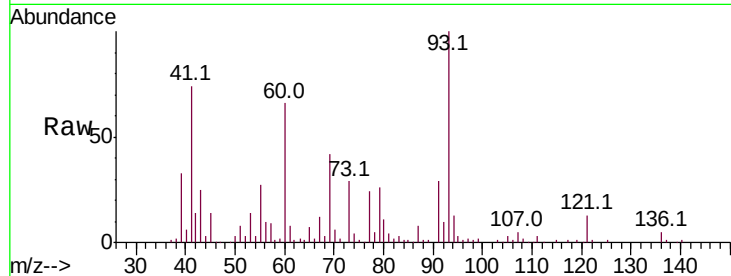
Tot Ion: 93 Resp: 102055

Ion Ratio Lower Upper

93 100

66 2.3 60.0 90.0#

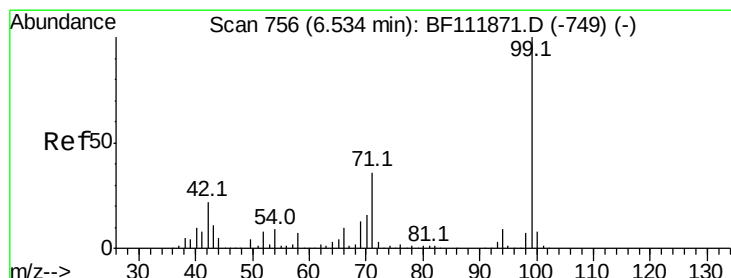
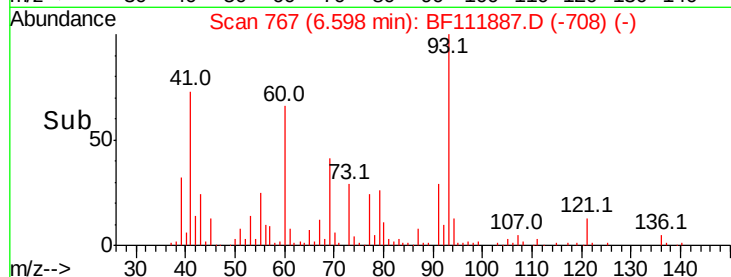
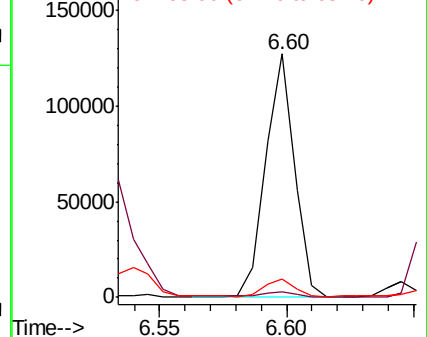
65 7.4 37.5 56.3#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 99.098 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

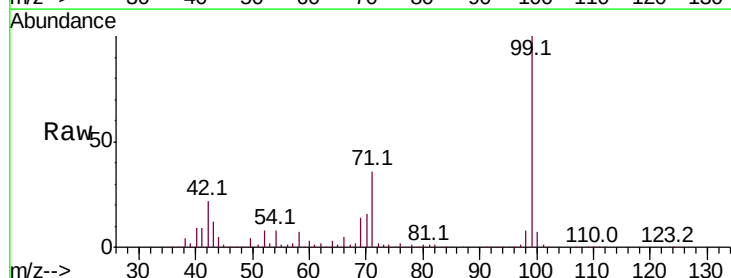
Tgt Ion: 99 Resp: 1096843

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

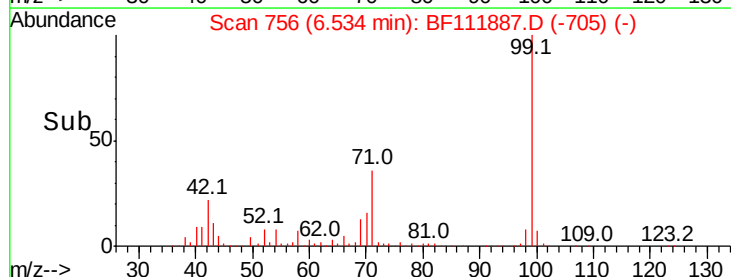
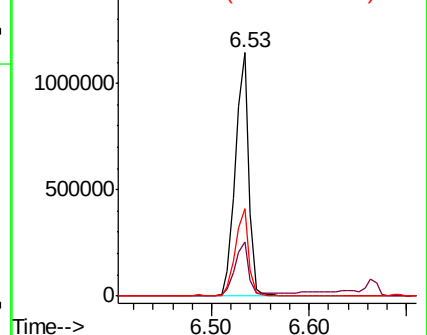
71 35.7 28.7 43.1

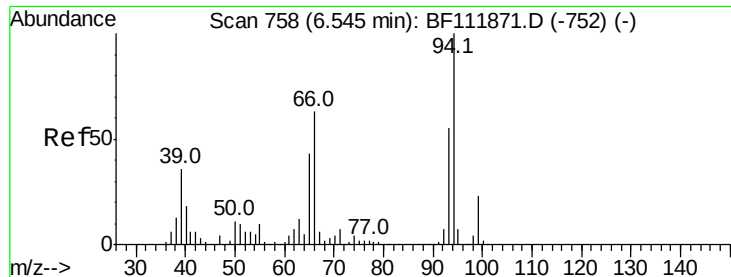


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

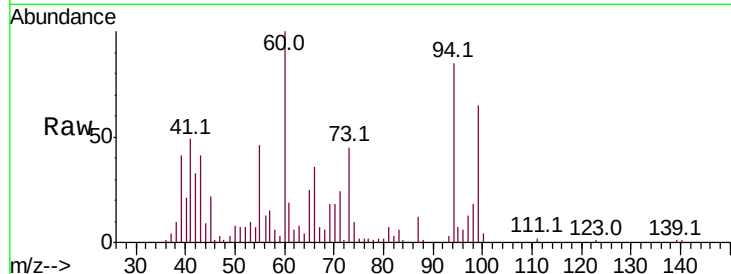




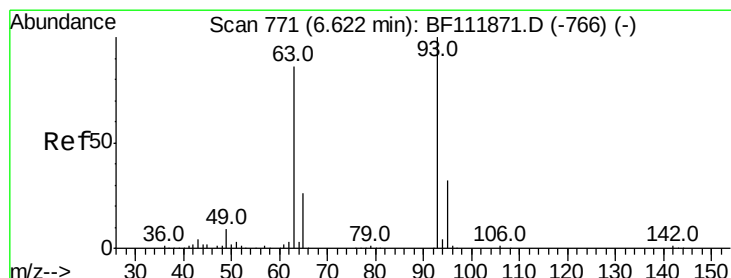
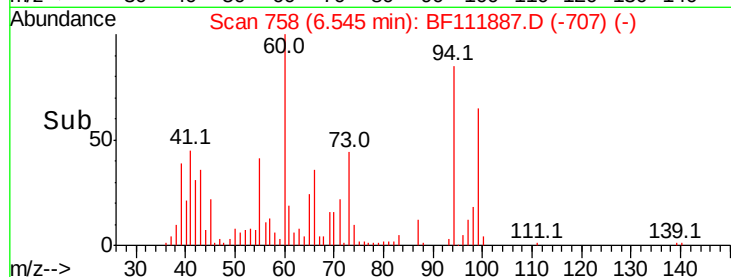
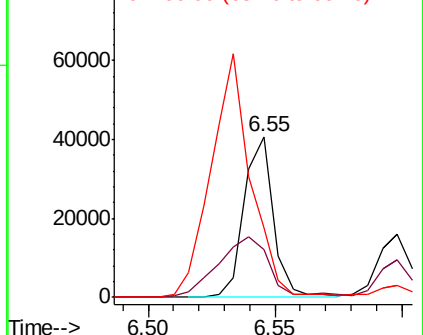
#10
Phenol
Concen: 2.756 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF111887.D
Acq: 7 Jan 2019 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 33157
Ion Ratio Lower Upper
94 100
65 29.7 22.8 62.8
66 43.1 43.3 83.3#

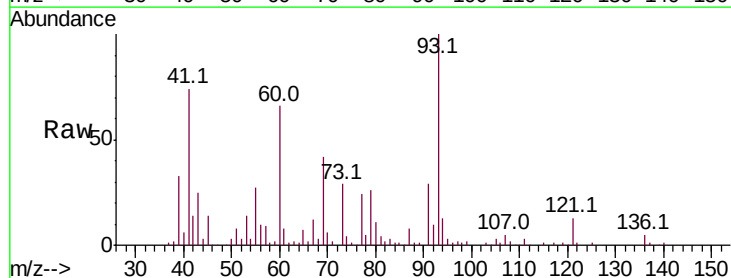


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

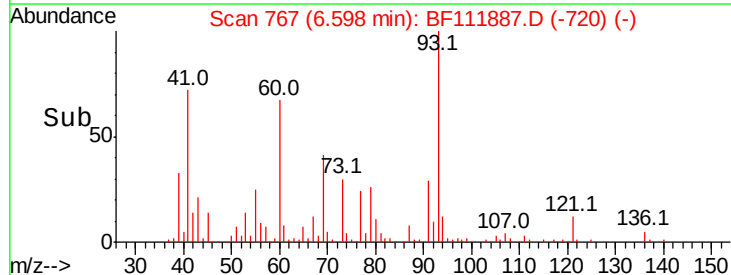
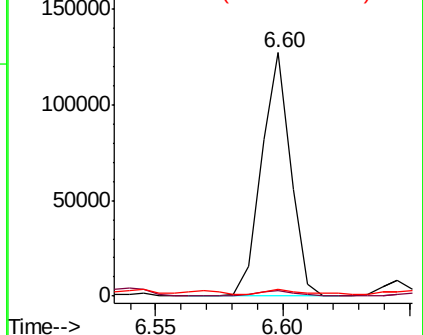


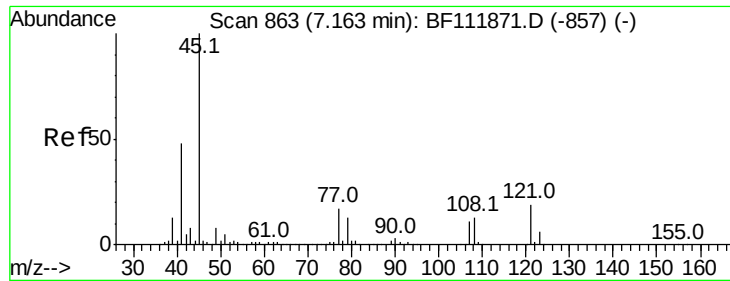
#11
bis(2-Chloroethyl)ether
Concen: 10.966 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF111887.D
Acq: 7 Jan 2019 20:09

Tgt Ion: 93 Resp: 102055
Ion Ratio Lower Upper
93 100
63 2.3 65.2 105.2#
95 2.7 11.9 51.9#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

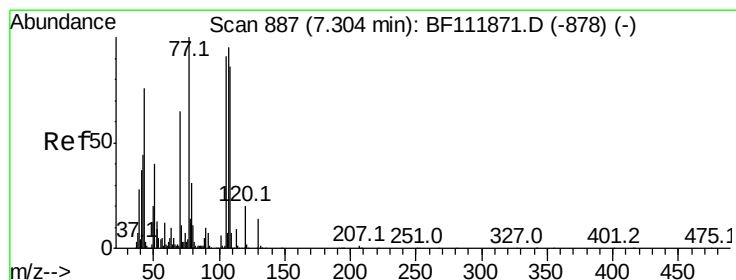
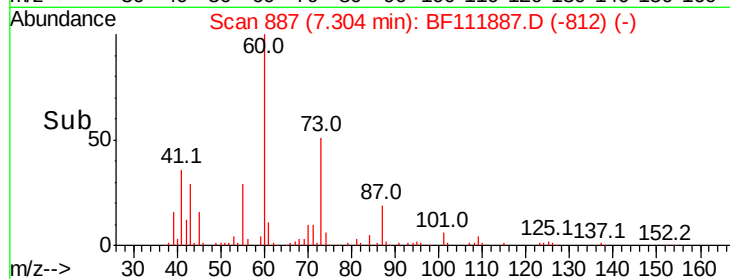
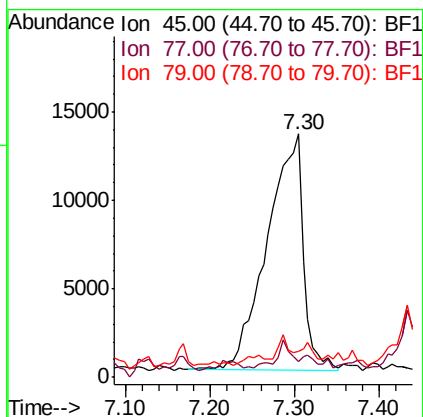
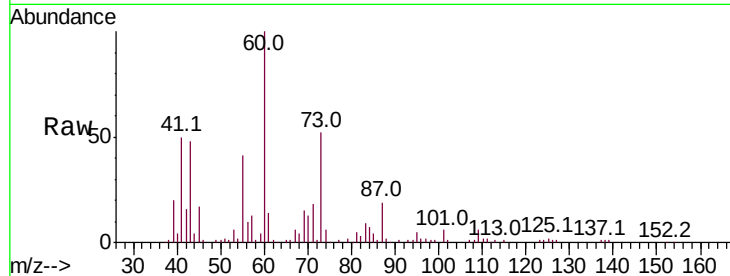




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 2.484 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.14 min
Lab File: BF111887.D
Acq: 7 Jan 2019 20:09

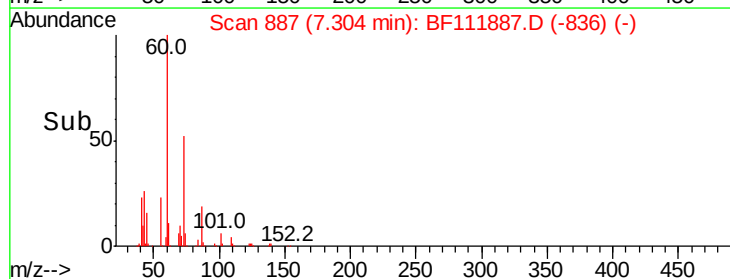
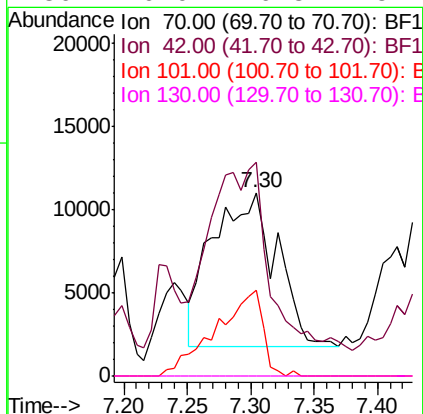
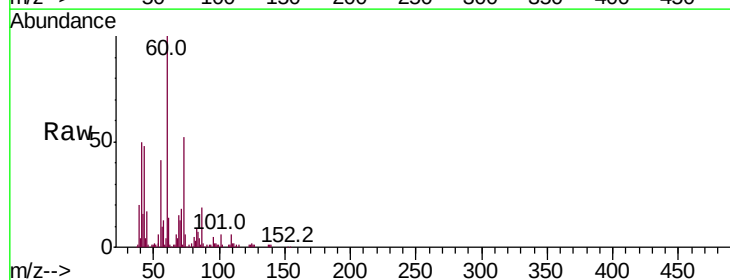
Instrument :
BNA_F
ClientSampleId :

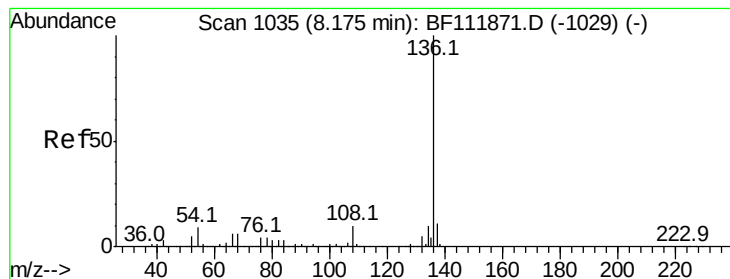
Tot Ion: 45 Resp: 39412
Ion Ratio Lower Upper
45 100
77 6.4 0.0 37.1
79 10.8 0.0 33.9



#19
n-Nitroso-di-n-propylamine
Concen: 4.531 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF111887.D
Acq: 7 Jan 2019 20:09

Tgt Ion: 70 Resp: 32582
Ion Ratio Lower Upper
70 100
42 116.5 53.6 80.4#
101 46.5 7.3 10.9#
130 0.0 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 566013

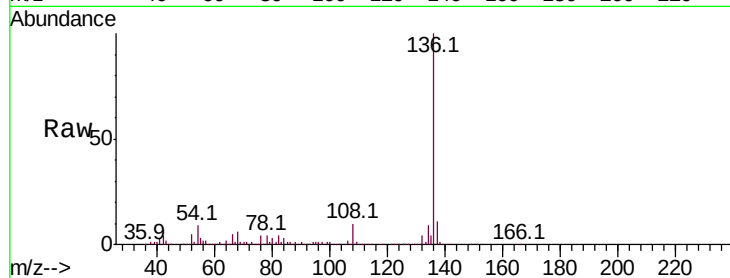
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.3 7.2 10.8

68 6.0 4.4 6.6

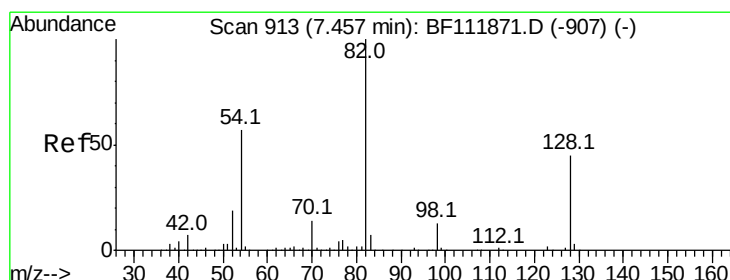
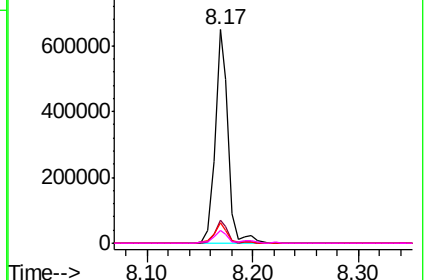
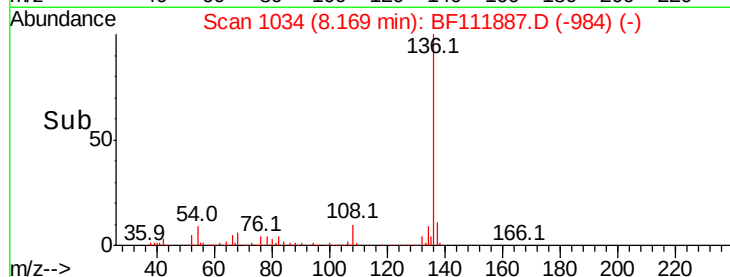


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.065 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

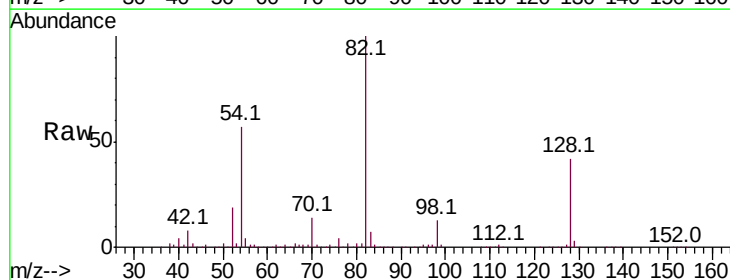
Tgt Ion: 82 Resp: 625530

Ion Ratio Lower Upper

82 100

128 42.5 35.7 53.5

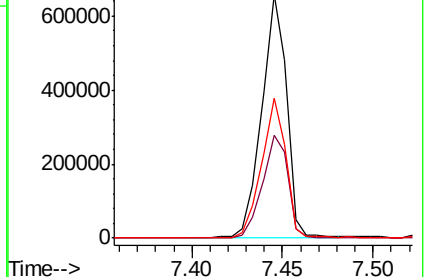
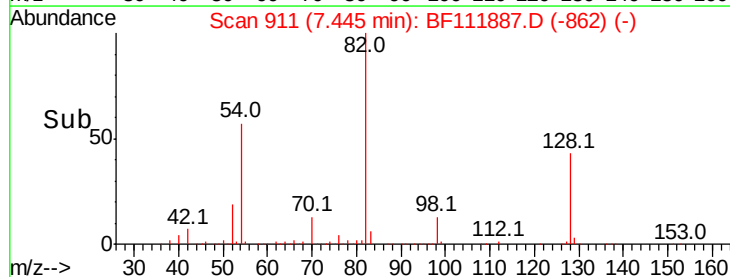
54 57.3 45.8 68.8

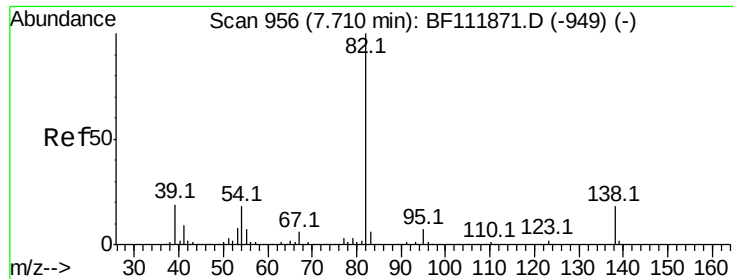


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.794 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

Instrument :

BNA_F

ClientSampleId :

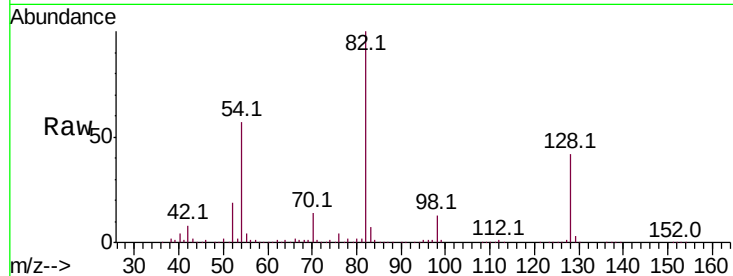
Tot Ion: 82 Resp: 613847

Ion Ratio Lower Upper

82 100

95 0.9 5.8 8.6#

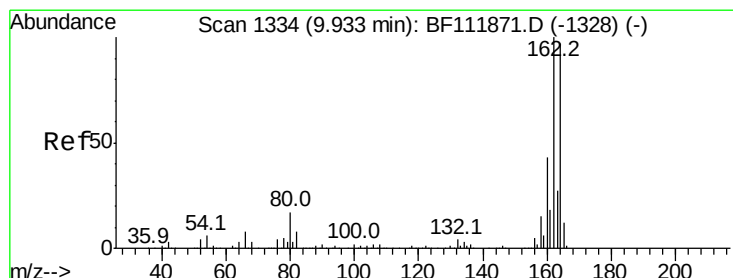
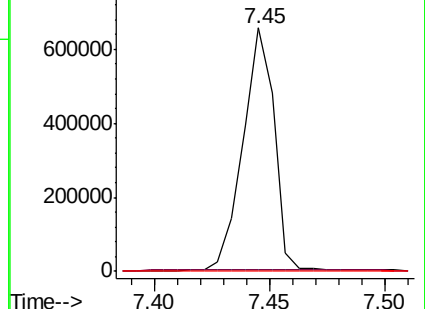
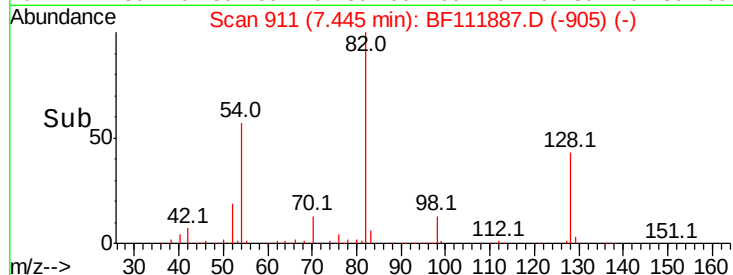
138 0.1 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

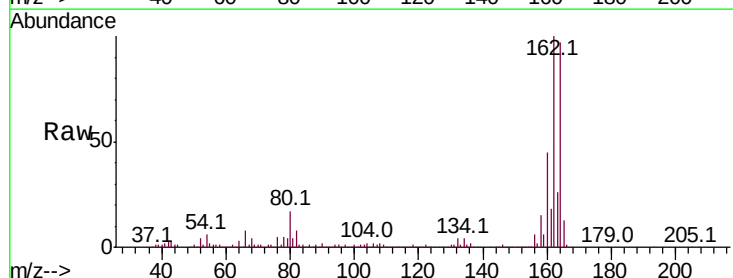
Tgt Ion:164 Resp: 231225

Ion Ratio Lower Upper

164 100

162 103.3 82.2 123.2

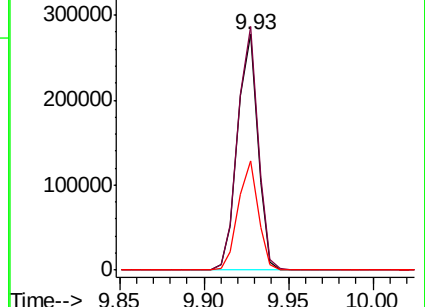
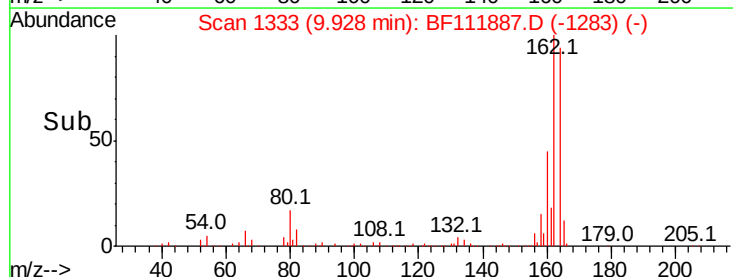
160 46.1 35.5 53.3

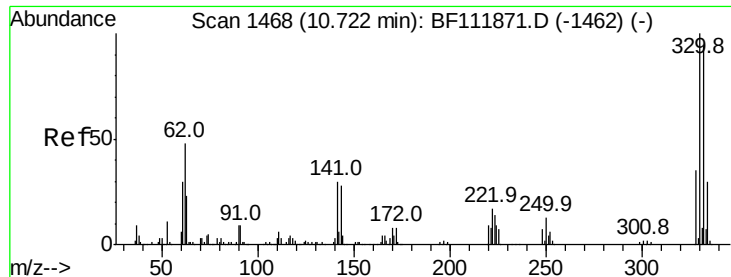


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

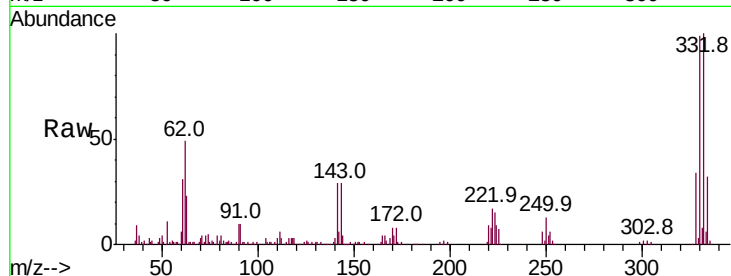




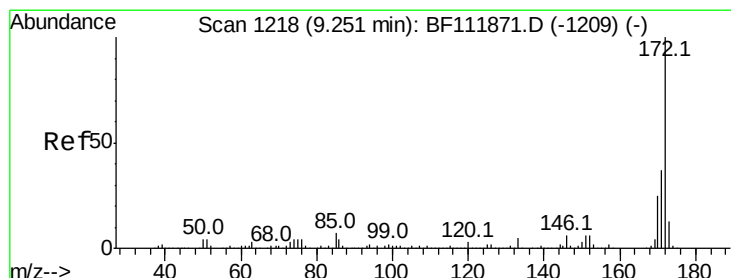
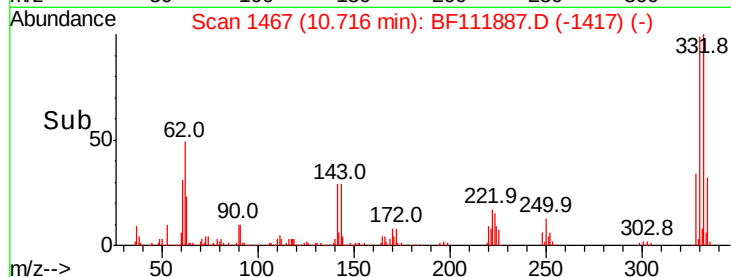
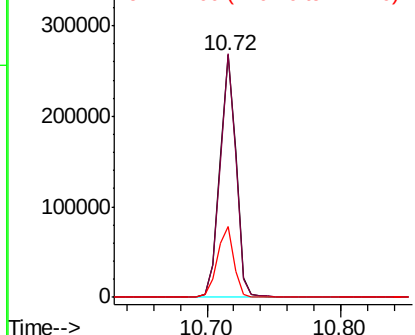
#42
 2,4,6-Tribromophenol
 Concen: 77.005 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111887.D
 Acq: 7 Jan 2019 20:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.9	115.3
141	30.3	23.7	35.5

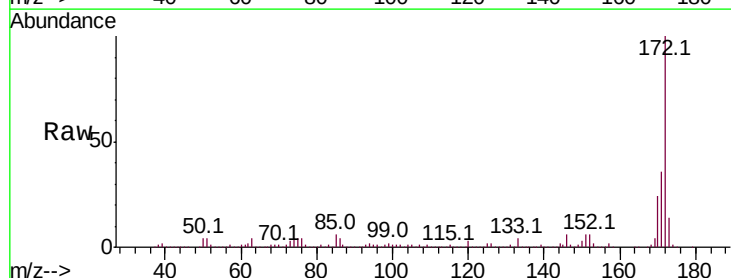


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

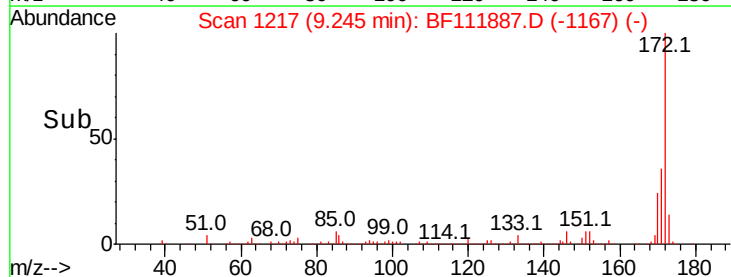
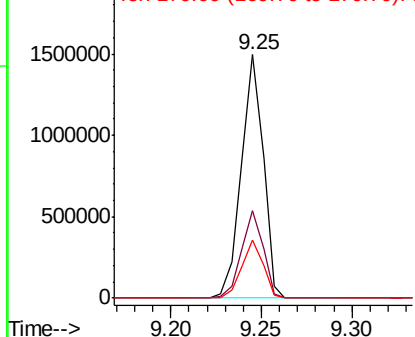


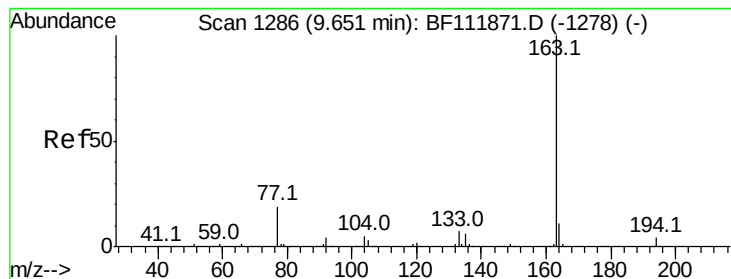
#45
 2-Fluorobiphenyl
 Concen: 79.278 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111887.D
 Acq: 7 Jan 2019 20:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.6	19.8	29.8



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





#50

Dimethylphthalate

Concen: 4.215 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

Instrument :

BNA_F

ClientSampleId :

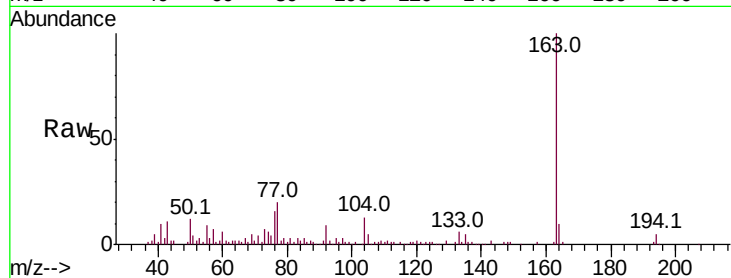
Tot Ion:163 Resp: 73207

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

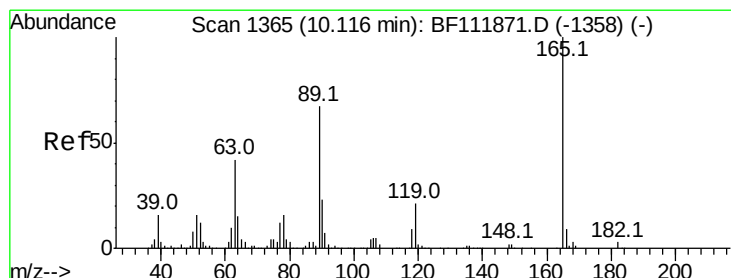
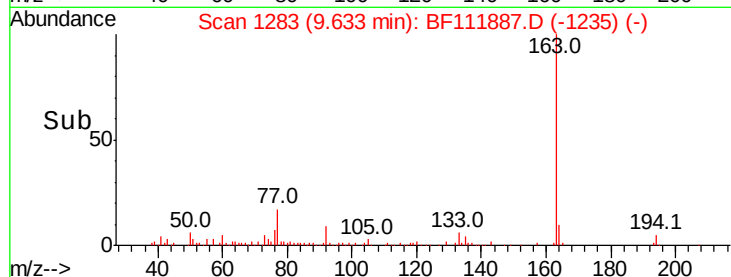
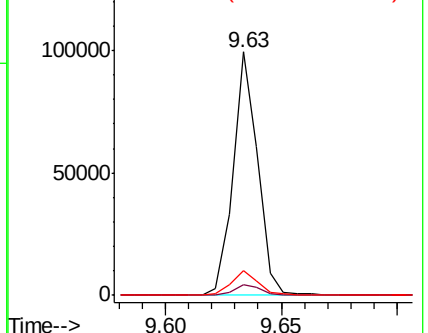
164 10.2 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 5.932 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

Tgt Ion:165 Resp: 29775

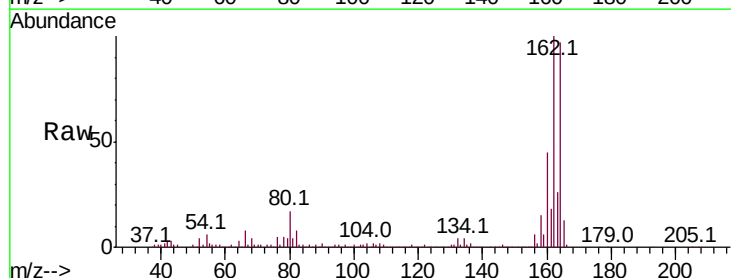
Ion Ratio Lower Upper

165 100

63 2.3 34.1 51.1#

89 2.3 53.5 80.3#

182 0.0 2.0 3.0#

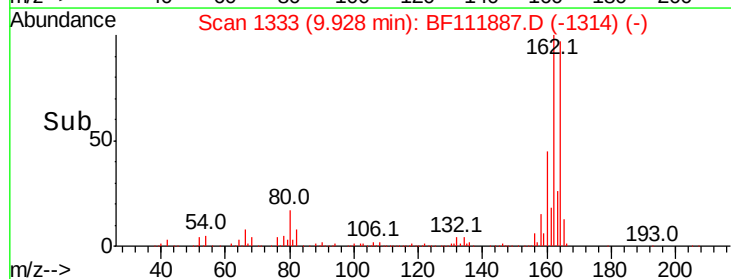
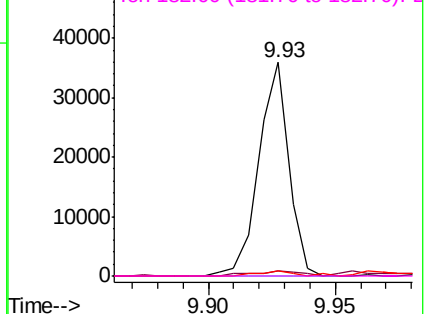


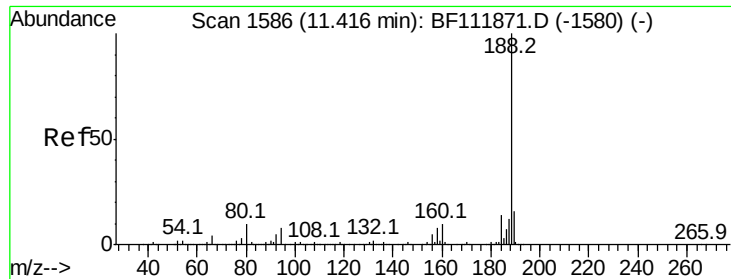
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

Instrument :

BNA_F

ClientSampled :

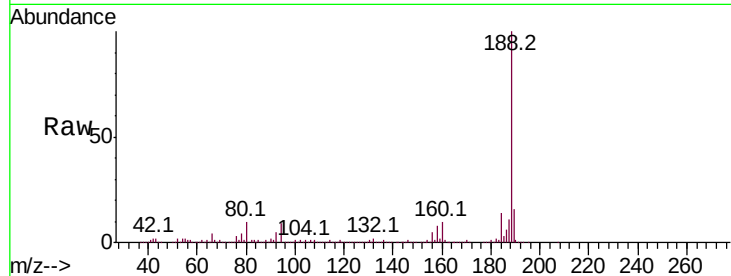
Tot Ion:188 Resp: 343497

Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

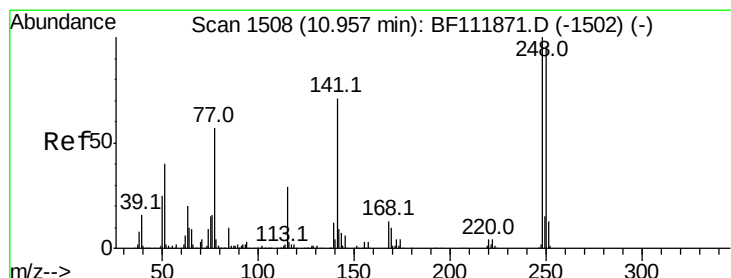
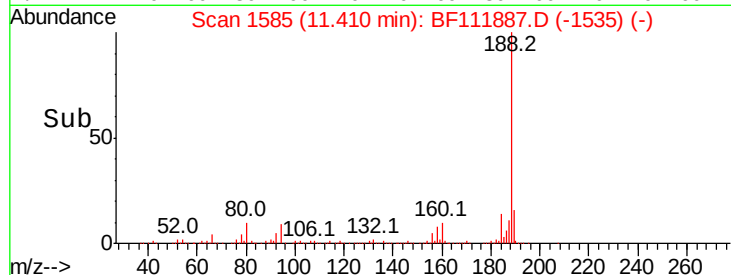
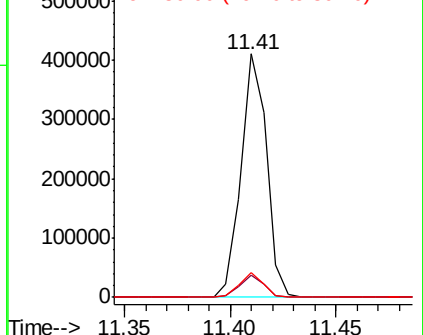
80 9.9 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 3.153 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.24 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

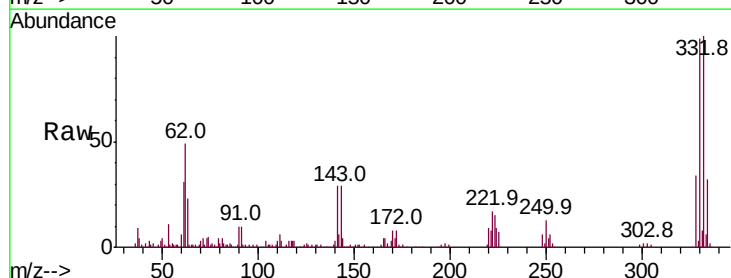
Tgt Ion:248 Resp: 14026

Ion Ratio Lower Upper

248 100

250 199.1 76.8 115.2#

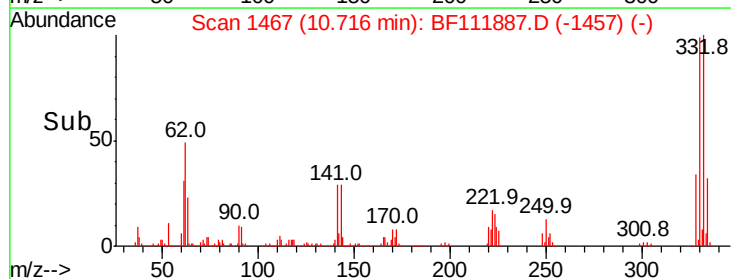
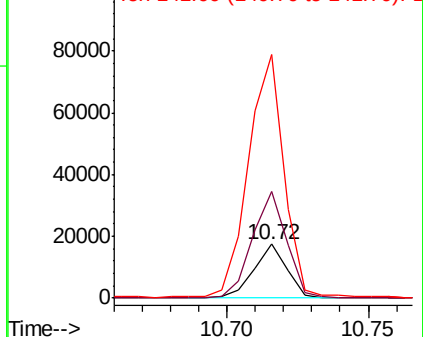
141 453.1 57.0 85.6#

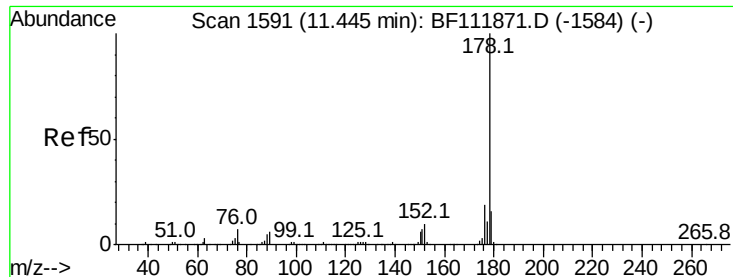


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.060 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

Instrument :

BNA_F

ClientSampleId :

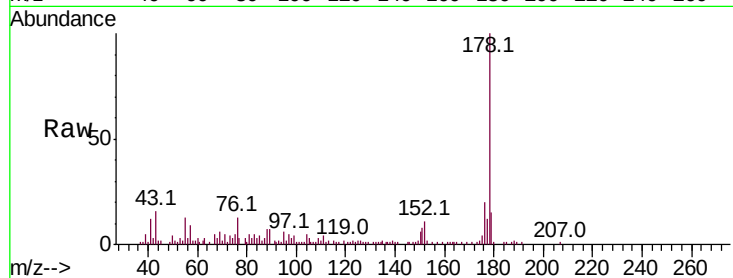
Tot Ion:178 Resp: 37831

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

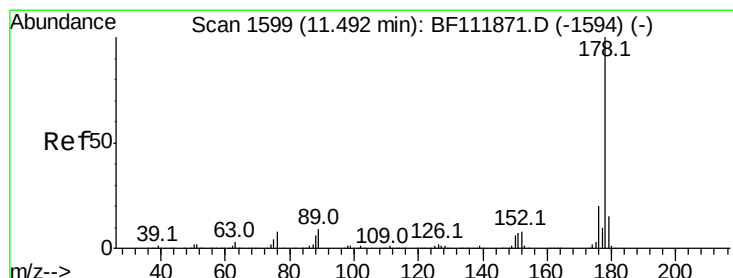
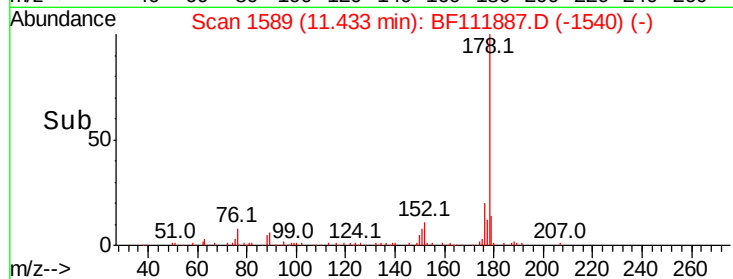
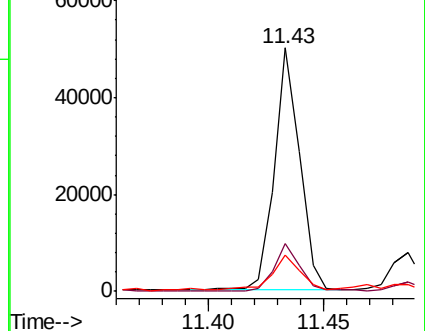
179 14.8 12.6 18.8



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



#72

Anthracene

Concen: 2.029 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.06 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

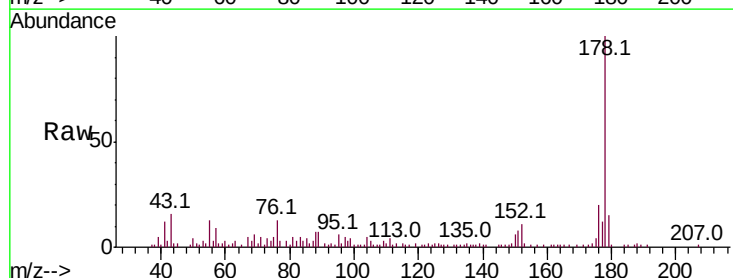
Tgt Ion:178 Resp: 37831

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

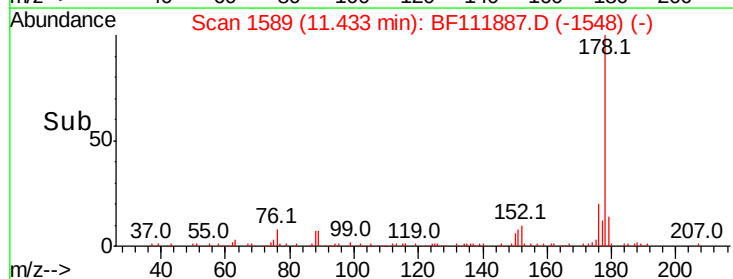
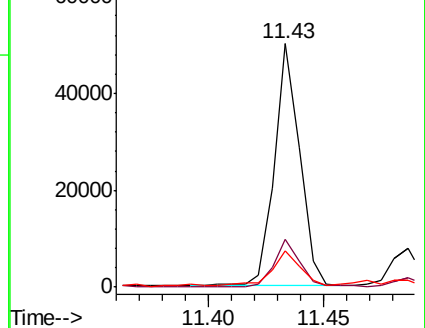
179 14.8 12.4 18.6

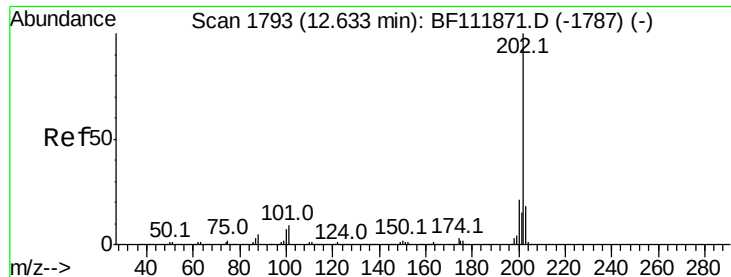


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.586 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

Instrument :

BNA_F

ClientSampleId :

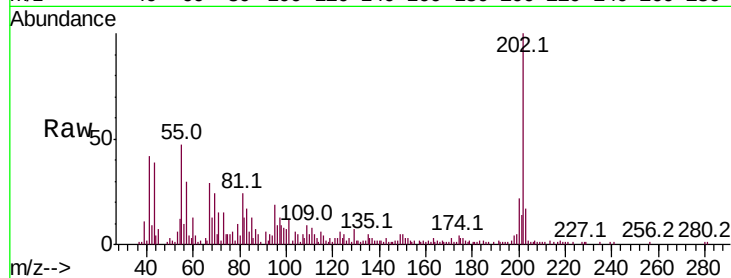
Tot Ion:202 Resp: 48762

Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.3

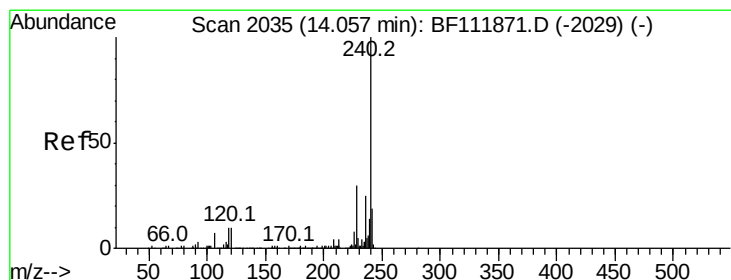
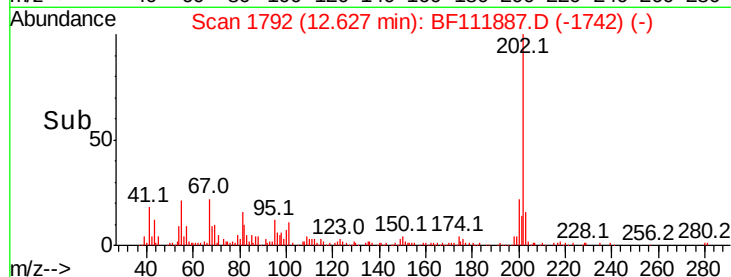
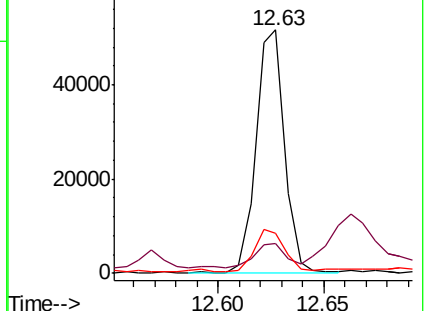
203 16.6 0.0 37.6



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: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

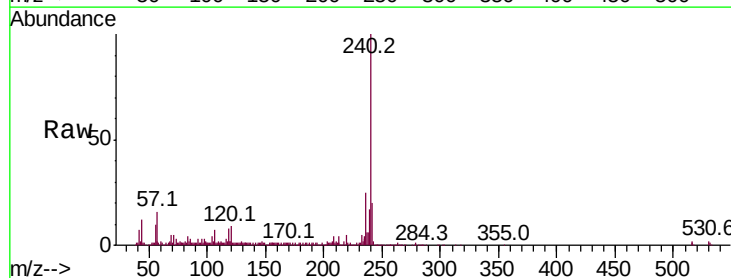
Tgt Ion:240 Resp: 385541

Ion Ratio Lower Upper

240 100

120 8.9 8.2 12.2

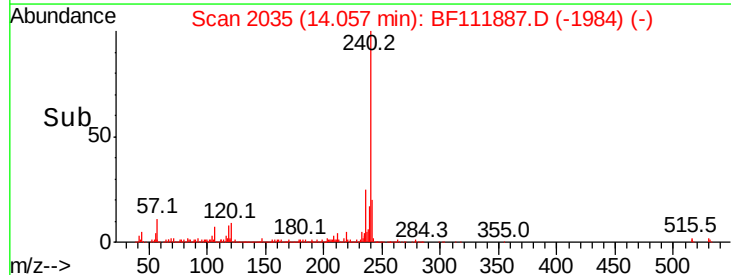
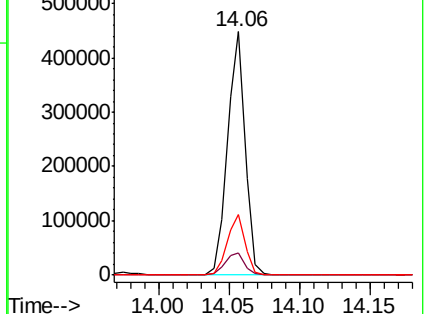
236 25.0 20.2 30.4

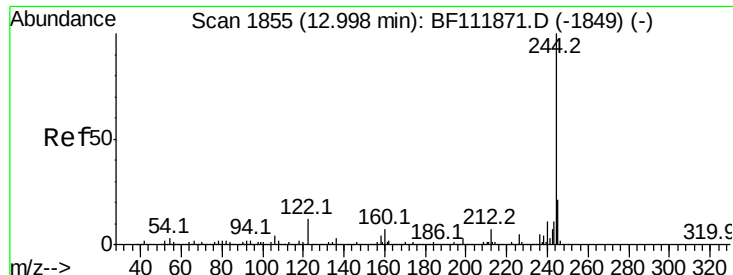


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 51.966 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

Instrument :

BNA_F

ClientSampleId :

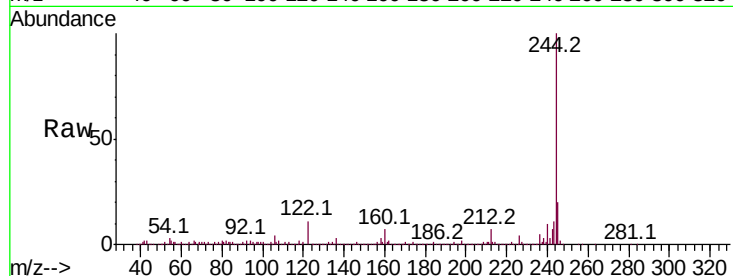
Tot Ion:244 Resp: 1055454

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

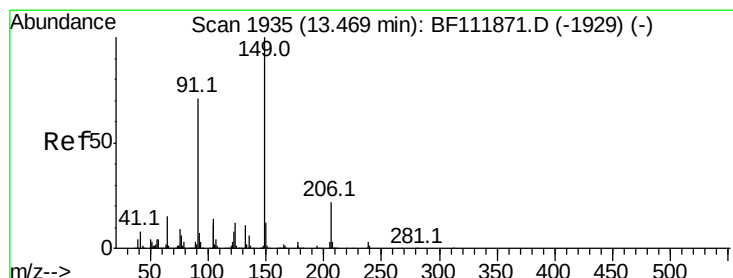
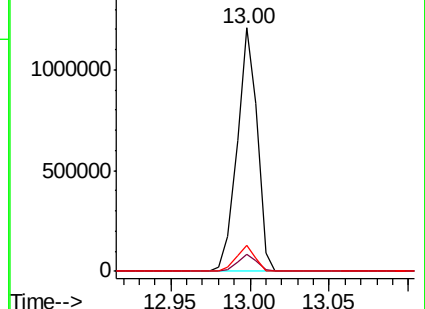
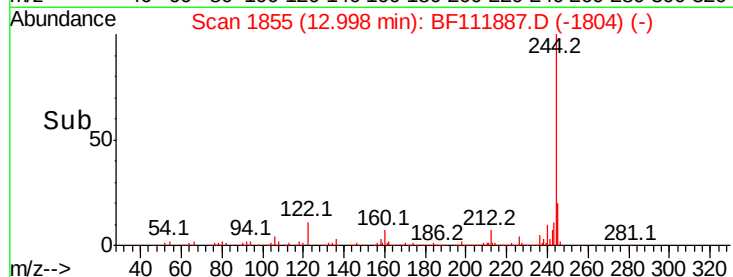
122 10.9 9.5 14.3



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



#80

Butylbenzylphthalate

Concen: 3.205 ng

RT: 13.47 min Scan# 1936

Delta R.T. 0.01 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

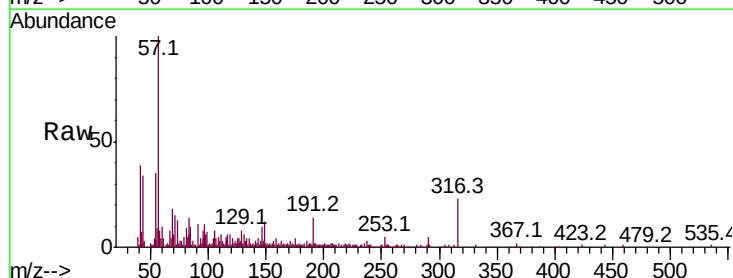
Tgt Ion:149 Resp: 35946

Ion Ratio Lower Upper

149 100

91 89.1 57.2 85.8#

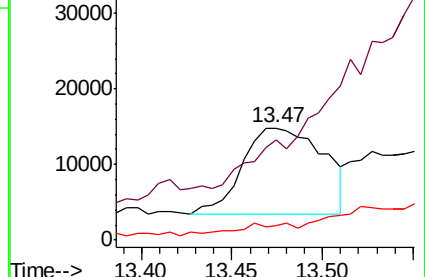
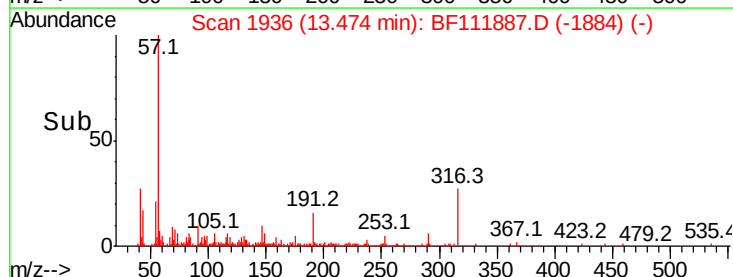
206 12.7 17.3 25.9#

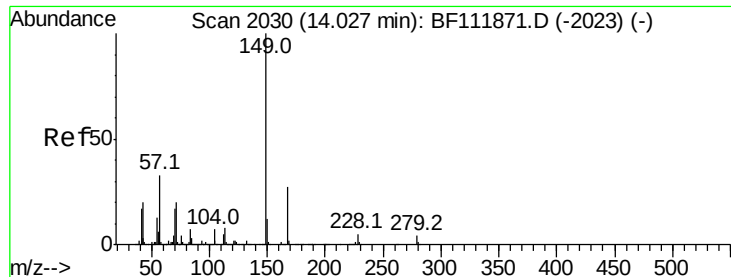


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.150 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

Instrument :

BNA_F

ClientSampleId :

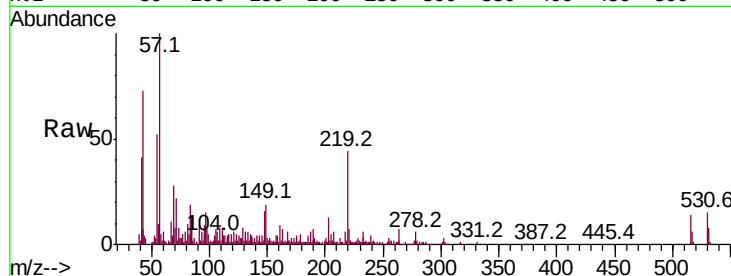
Tot Ion:149 Resp: 31664

Ion Ratio Lower Upper

149 100

167 32.5 21.5 32.3#

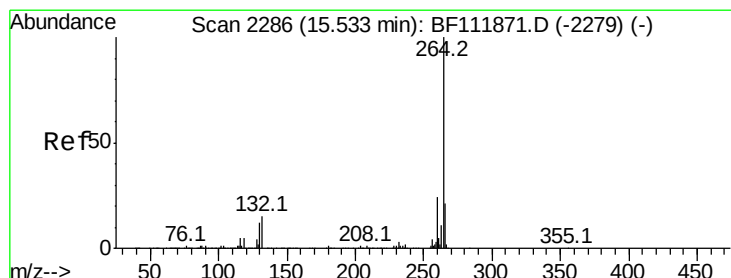
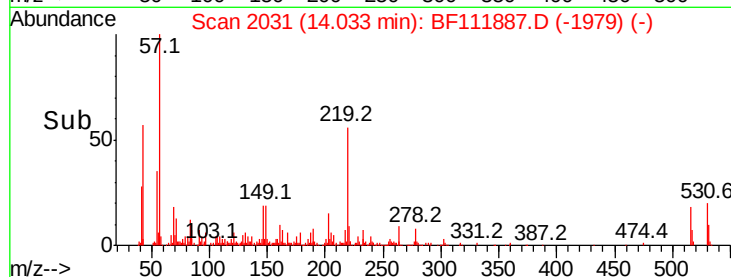
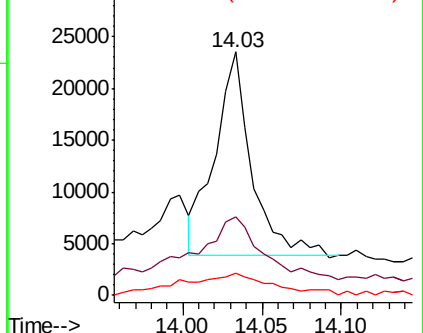
279 8.9 3.0 4.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF111887.D

Acq: 7 Jan 2019 20:09

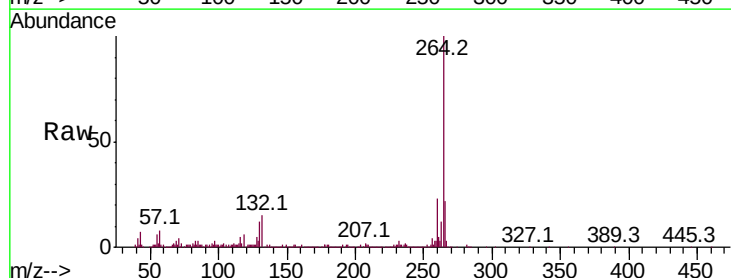
Tgt Ion:264 Resp: 406127

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 22.1 17.1 25.7



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

