

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111752.D
 Acq On : 27 Dec 2018 9:27
 Operator : JU/SJ
 Sample : J6389-08DL 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013-1824-01DL

Quant Time: Dec 27 12:45:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 27 11:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	116669	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	383257	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	176265	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	335361	20.00	ng	0.00
76) Chrysene-d12	14.07	240	231673	20.00	ng	0.00
87) Perylene-d12	15.56	264	191297	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	36899	5.39	ng	0.00
7) Phenol-d6	6.53	99	32594	3.74	ng	-0.01
23) Nitrobenzene-d5	7.46	82	37483	5.69	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	14266	6.85	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	60554	5.01	ng	0.00
79) Terphenyl-d14	13.01	244	66167	5.42	ng	0.00

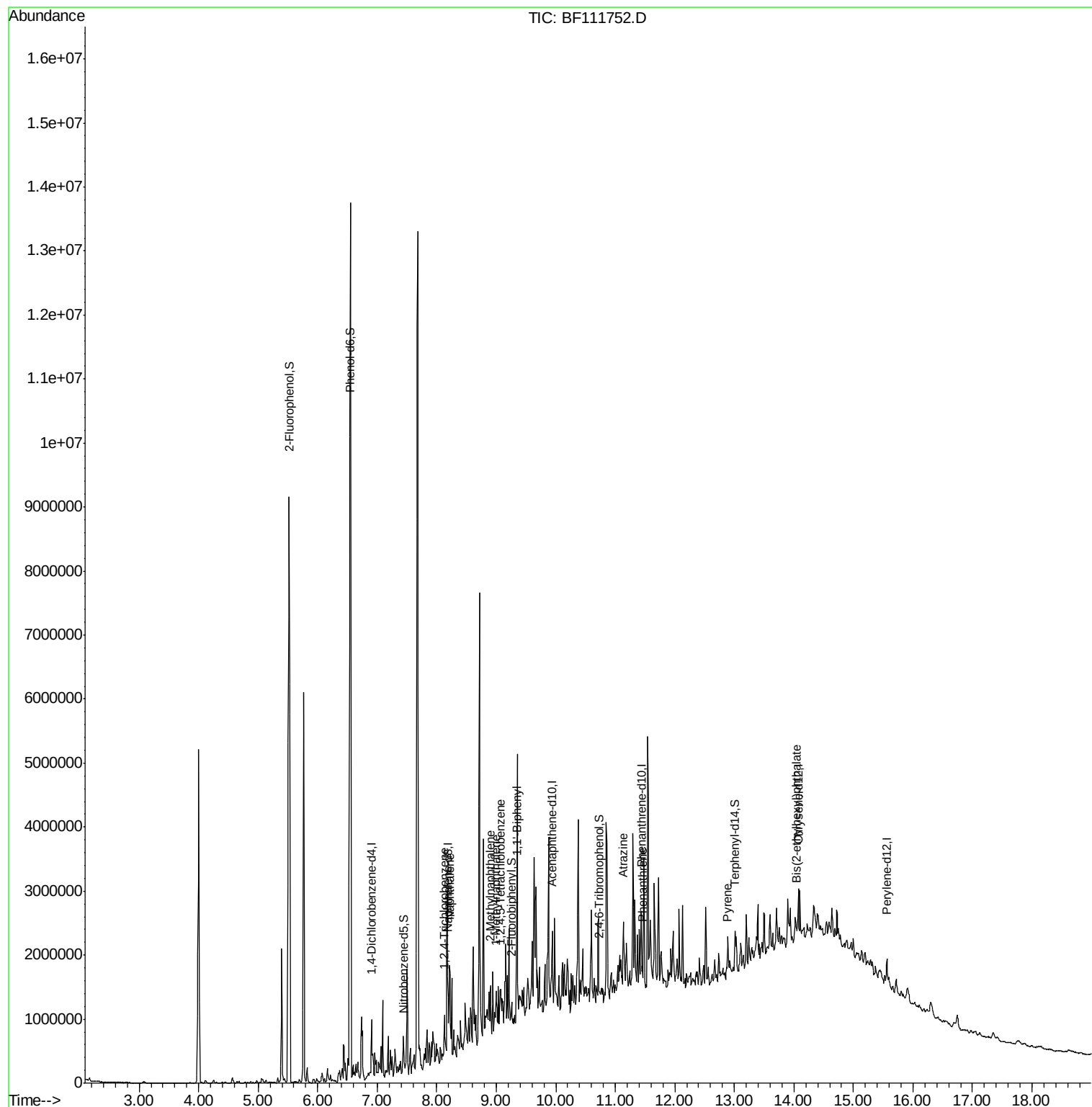
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
30) 1,2,4-Trichlorobenzene	8.13	180	95603	14.457	ng	97
31) Naphthalene	8.21	128	209284	11.365	ng	98
37) 2-Methylnaphthalene	8.90	142	163749	13.668	ng	98
38) 1-Methylnaphthalene	9.00	142	105353	9.156	ng	# 98
40) 1,2,4,5-Tetrachlorobenzene	9.07	216	25821	4.458	ng	# 85
46) 1,1'-Biphenyl	9.36	154	38266	2.572	ng	97
69) Atrazine	11.13	200	100720	25.754	ng	# 41
71) Phenanthrene	11.46	178	106921	6.012	ng	94
78) Pyrene	12.87	202	50811	3.106	ng	95
84) Bis(2-ethylhexyl)phthalate	14.04	149	17574	2.092	ng	# 76

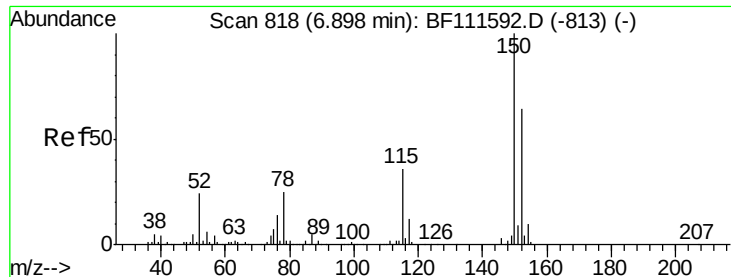
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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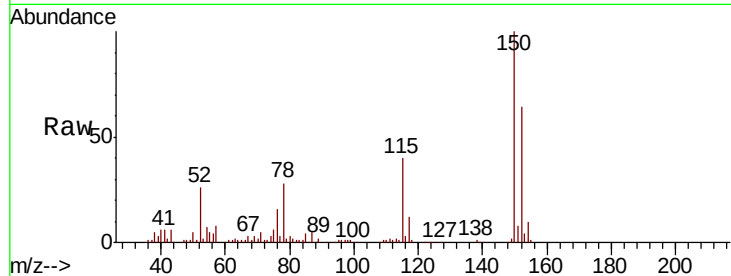


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF111752.D
Acq: 27 Dec 2018 9:27

Instrument :
BNA_F
ClientSampleId :
P001-SS013-1824-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.6	189.8
115	62.1	50.7	76.1

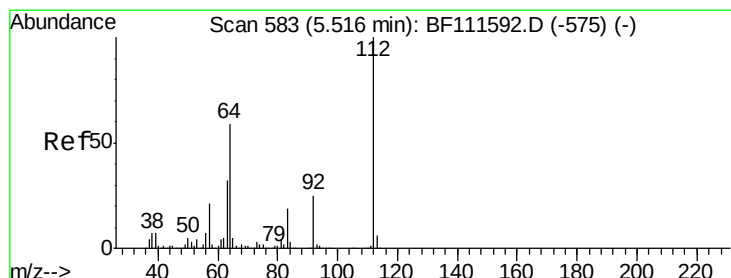
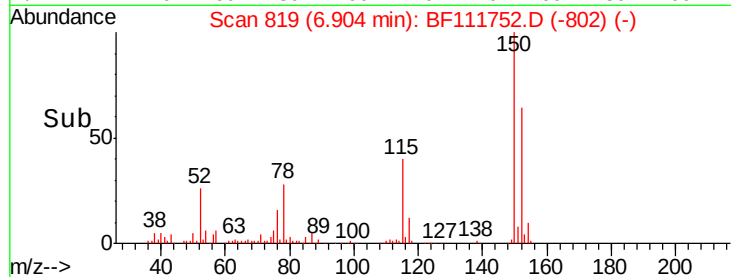
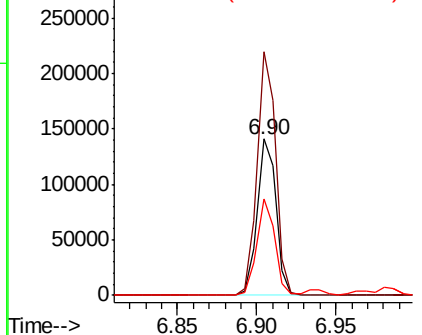


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

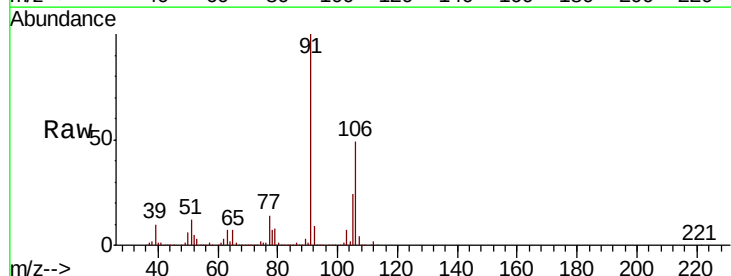
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 5.391 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF111752.D
Acq: 27 Dec 2018 9:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	137.7	51.8	77.6#
63	397.2	26.8	40.2#

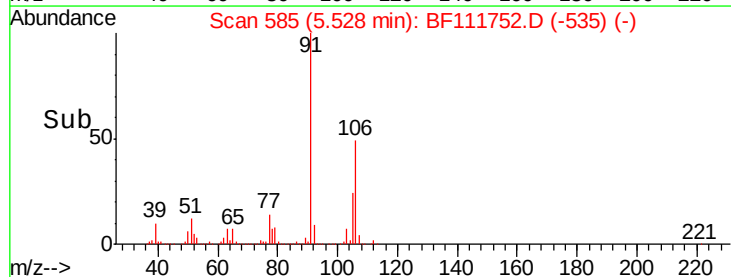
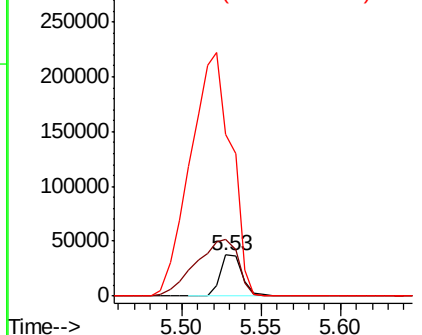


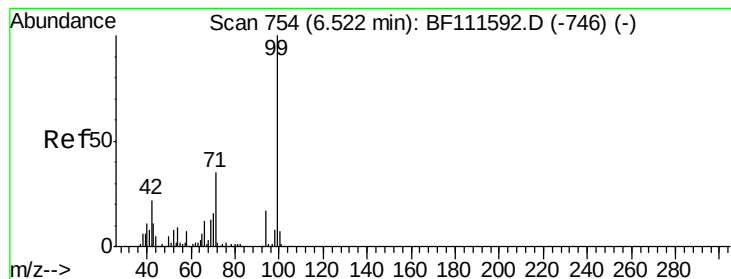
Abundance

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: 3.742 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF111752.D

Acq: 27 Dec 2018 9:27

Instrument :

BNA_F

ClientSampleId :

P001-SS013-1824-01DL

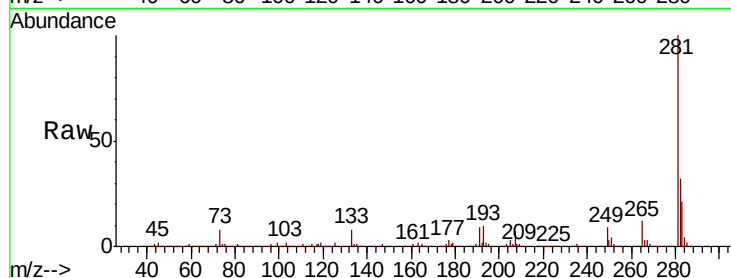
Tot Ion: 99 Resp: 32594

Ion Ratio Lower Upper

99 100

42 21.6 17.4 26.0

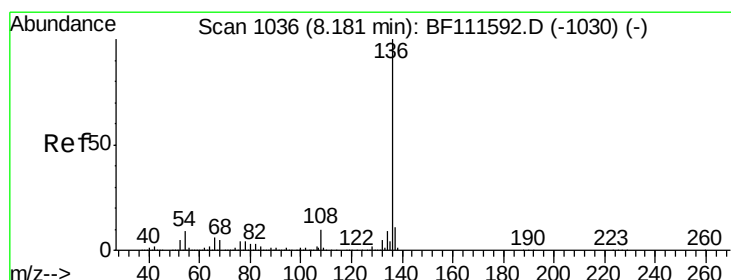
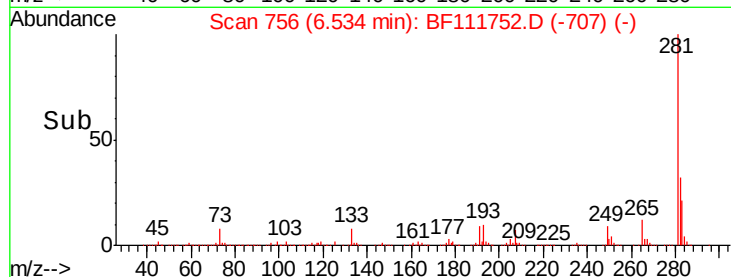
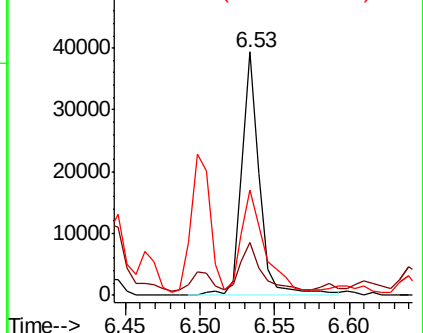
71 43.4 26.1 39.1#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF111752.D

Acq: 27 Dec 2018 9:27

Tgt Ion: 136 Resp: 383257

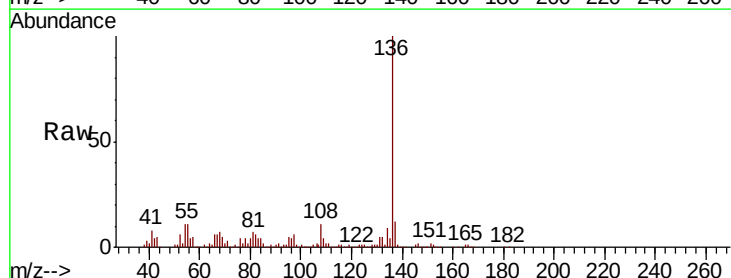
Ion Ratio Lower Upper

136 100

137 12.2 9.1 13.7

54 10.8 7.7 11.5

68 7.1 4.9 7.3

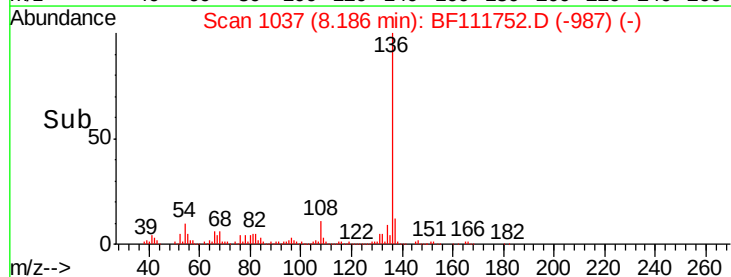
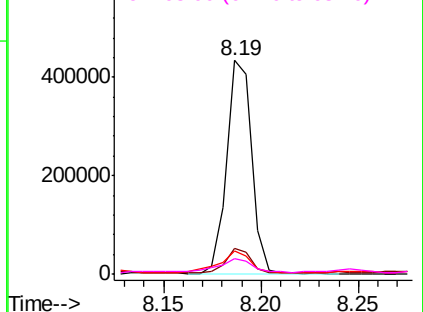


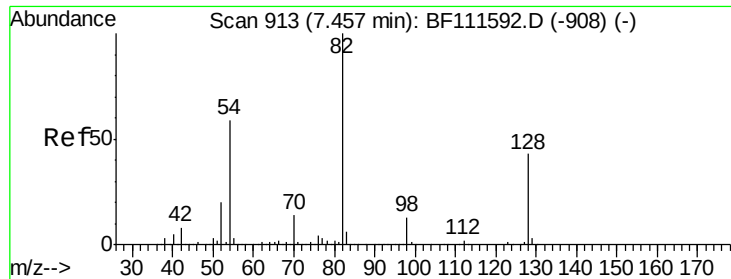
Abundance Ion 136.00 (135.70 to 136.70): E

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

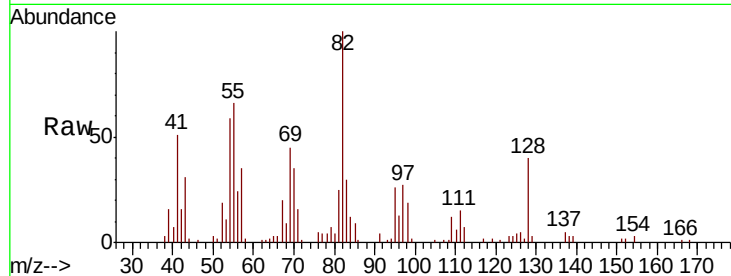




#23
 Nitrobenzene-d5
 Concen: 5.693 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF111752.D
 Acq: 27 Dec 2018 9:27

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013-1824-01DL

Tot Ion	82	Resp	37483
Ion Ratio	Lower	Upper	
82	100		
128	39.5	37.4	56.2
54	58.5	47.6	71.4

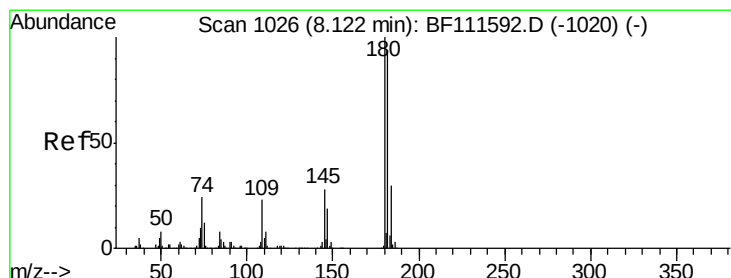
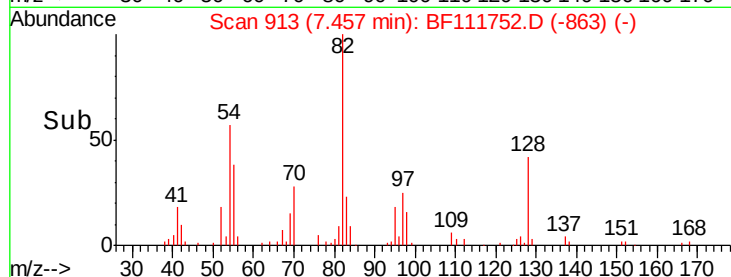
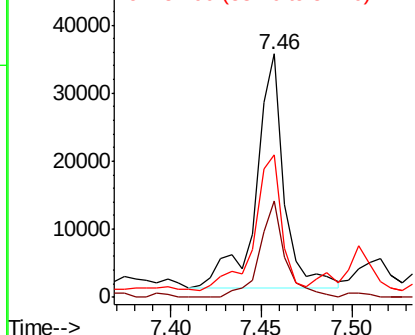


Abundance

Ion 82.00 (81.70 to 82.70): BF1

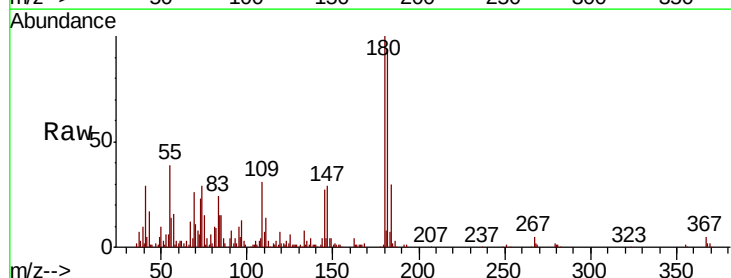
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 14.457 ng
 RT: 8.13 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BF111752.D
 Acq: 27 Dec 2018 9:27

Tgt Ion	180	Resp	95603
Ion Ratio	Lower	Upper	
180	100		
182	94.2	75.6	113.4
145	27.2	26.7	40.1

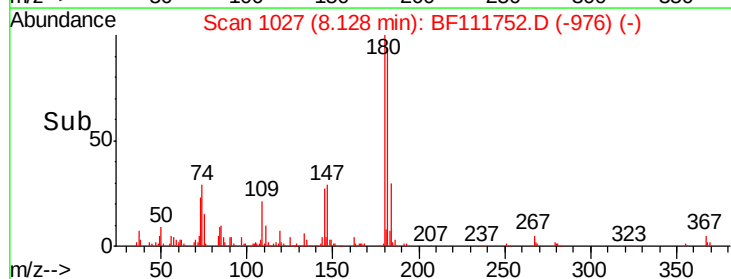
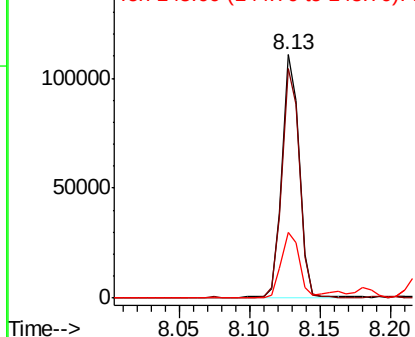


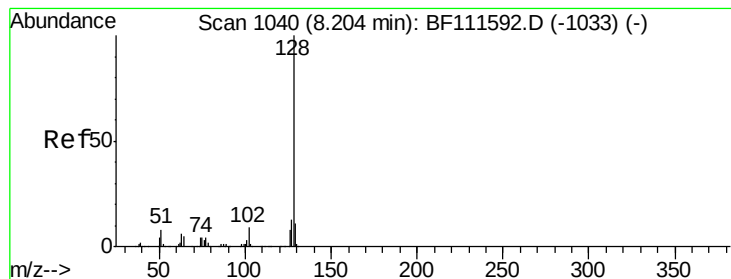
Abundance

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: 11.365 ng

RT: 8.21 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF111752.D

Acq: 27 Dec 2018 9:27

Instrument :

BNA_F

ClientSampleId :

P001-SS013-1824-01DL

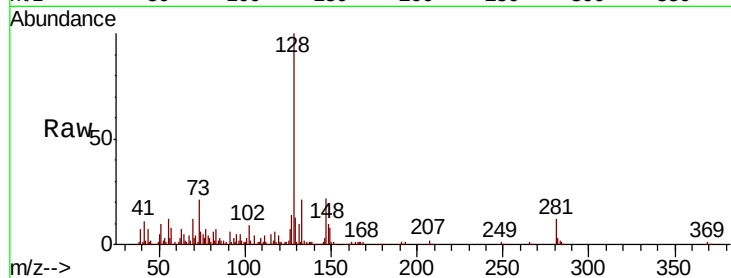
Tot Ion:128 Resp: 209284

Ion Ratio Lower Upper

128 100

129 12.9 9.8 14.8

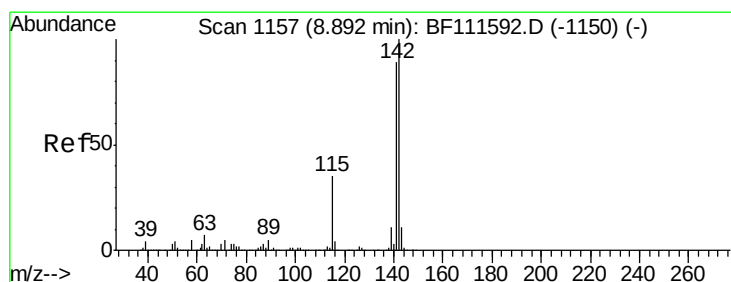
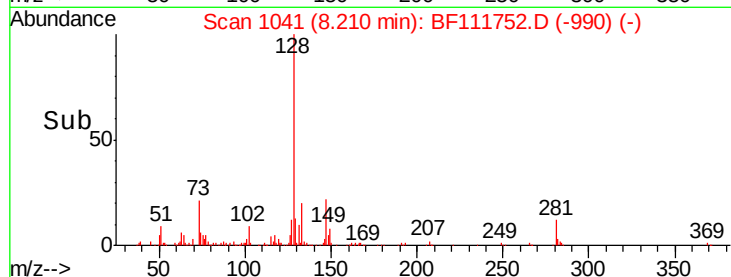
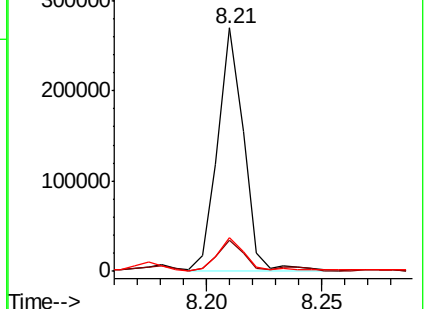
127 13.7 12.0 18.0



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



#37

2-Methylnaphthalene

Concen: 13.668 ng

RT: 8.90 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BF111752.D

Acq: 27 Dec 2018 9:27

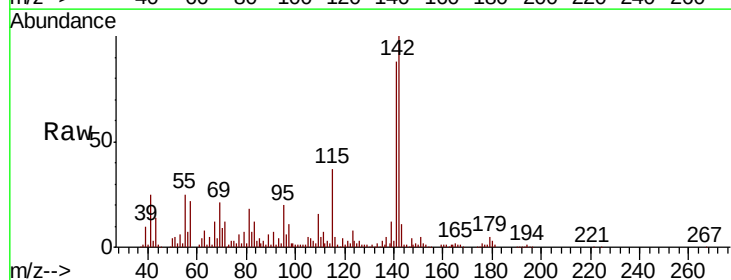
Tgt Ion:142 Resp: 163749

Ion Ratio Lower Upper

142 100

141 88.2 70.6 105.8

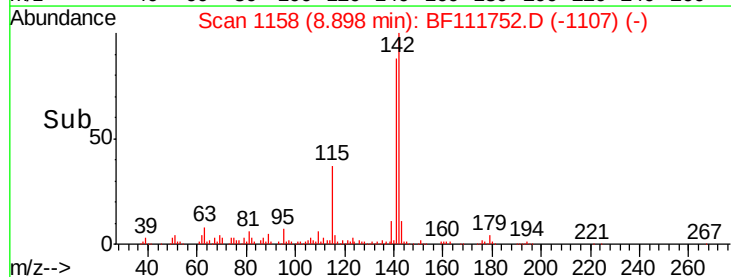
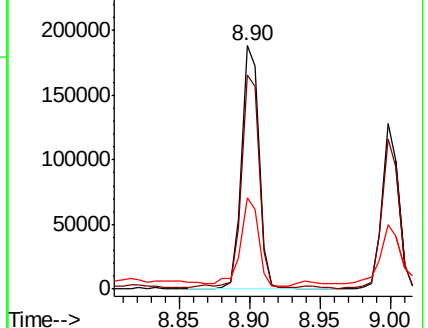
115 37.3 27.0 40.6

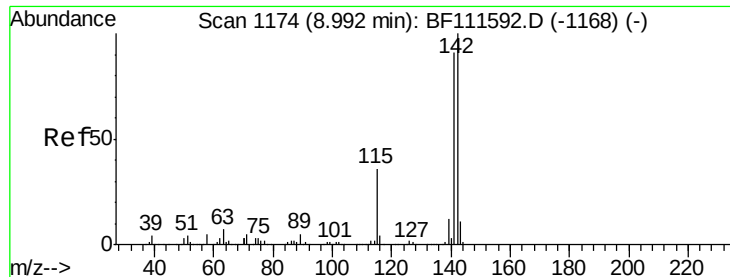


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

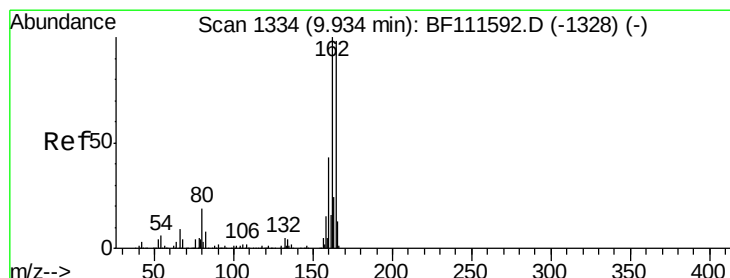
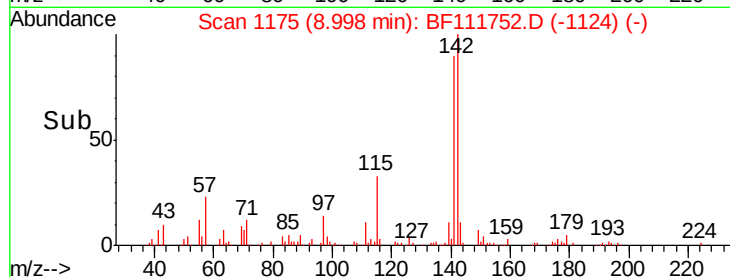
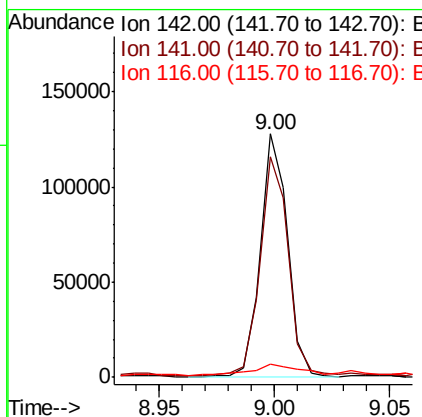
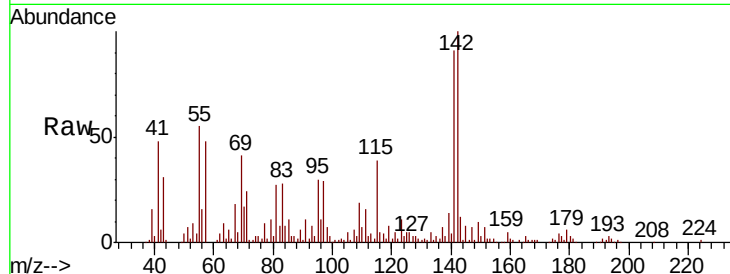




#38
1-Methylnaphthalene
Concen: 9.156 ng
RT: 9.00 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BF111752.D
Acq: 27 Dec 2018 9:27

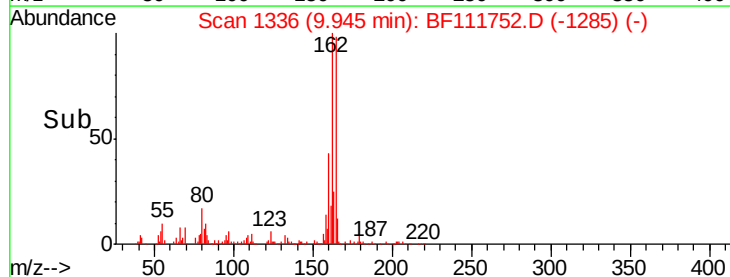
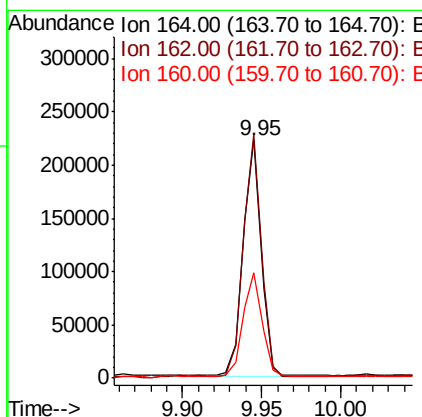
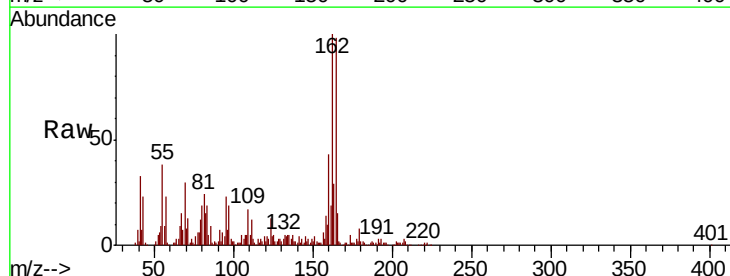
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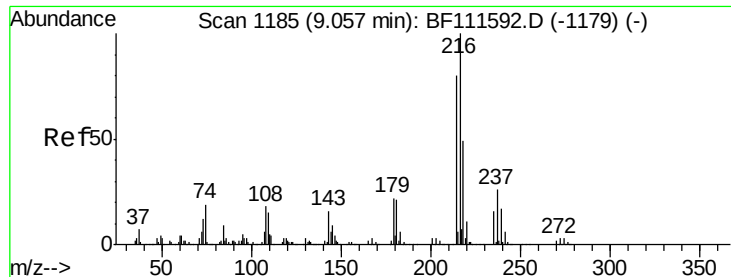
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	74.2	111.4
116	5.3	2.9	4.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF111752.D
Acq: 27 Dec 2018 9:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.4	122.0
160	44.3	35.7	53.5

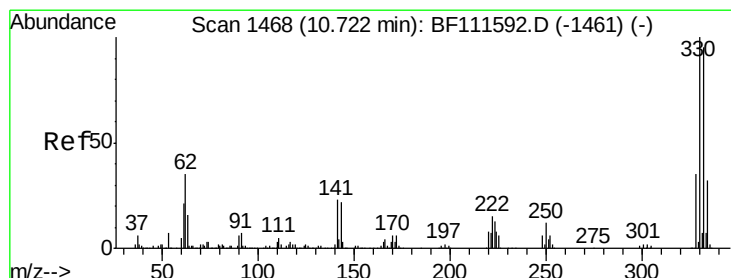
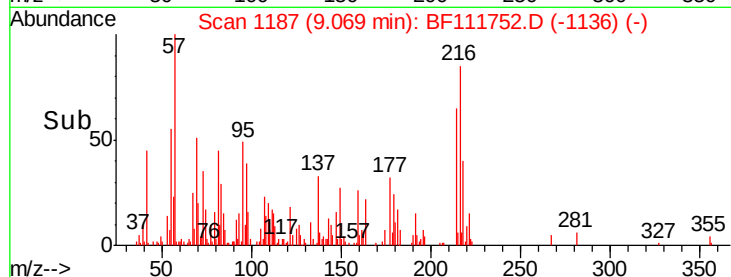
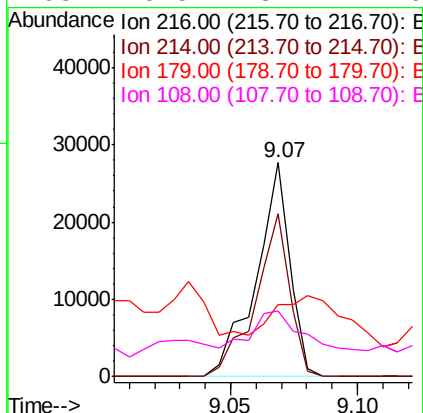
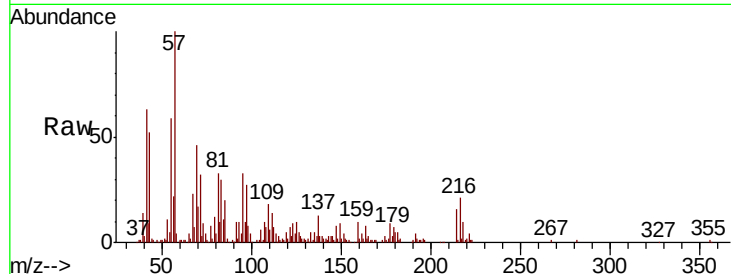




#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.458 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BF111752.D
 Acq: 27 Dec 2018 9:27

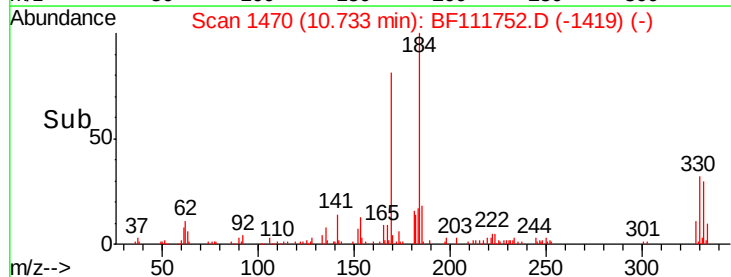
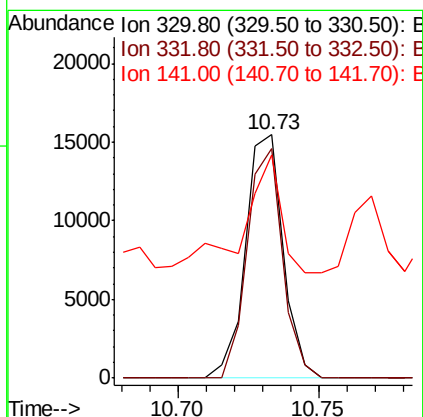
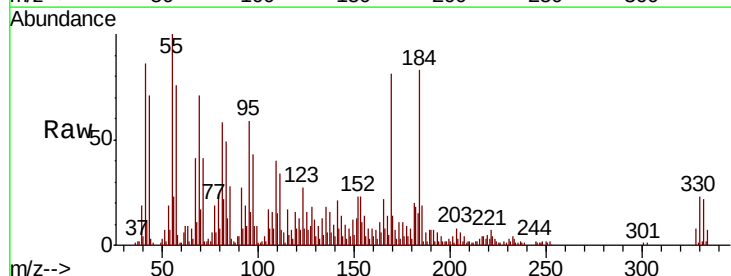
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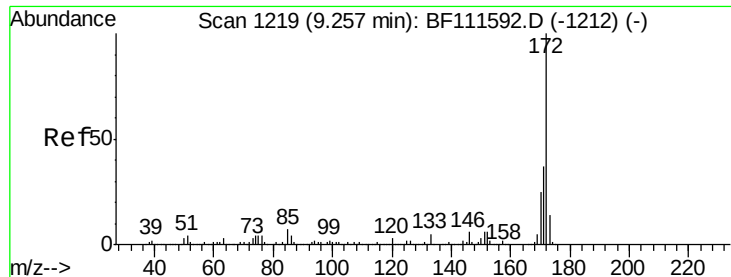
Tot Ion:	216	Resp:	25821
Ion	Ratio	Lower	Upper
216	100		
214	76.9	63.8	95.8
179	52.8	17.9	26.9#
108	26.5	18.4	27.6



#42
 2,4,6-Tribromophenol
 Concen: 6.850 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: BF111752.D
 Acq: 27 Dec 2018 9:27

Tgt Ion:	330	Resp:	14266
Ion	Ratio	Lower	Upper
330	100		
332	88.9	76.0	114.0
141	48.4	31.0	46.6#

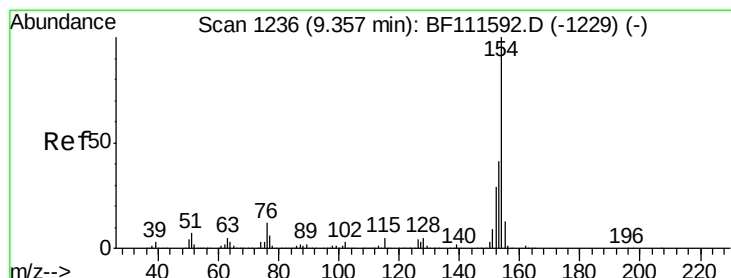
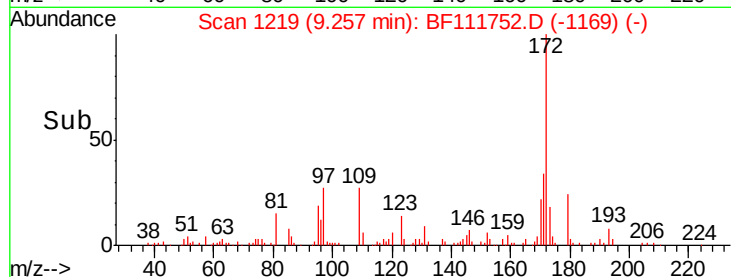
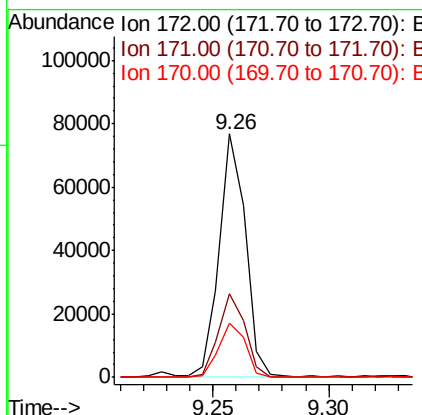
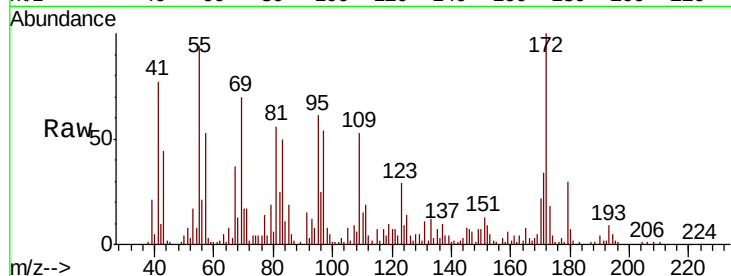




#45
2-Fluorobiphenyl
Concen: 5.007 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF111752.D
Acq: 27 Dec 2018 9:27

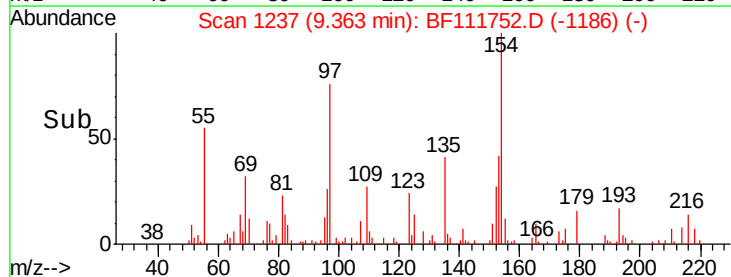
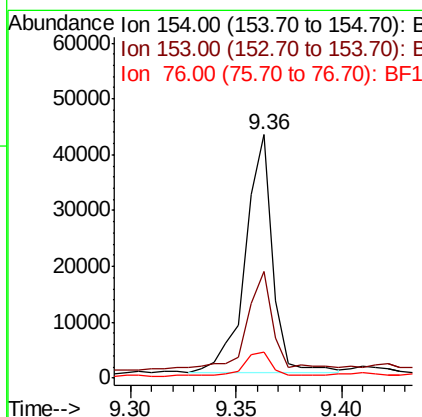
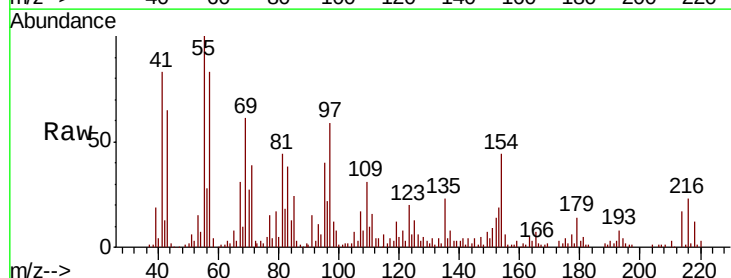
Instrument :
BNA_F
ClientSampleId :
P001-SS013-1824-01DL

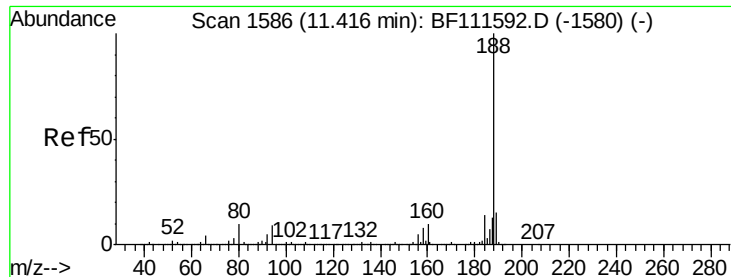
Tot Ion:172 Resp: 60554
Ion Ratio Lower Upper
172 100
171 34.2 33.0 49.4
170 22.2 22.3 33.5#



#46
1,1'-Biphenyl
Concen: 2.572 ng
RT: 9.36 min Scan# 1237
Delta R.T. 0.00 min
Lab File: BF111752.D
Acq: 27 Dec 2018 9:27

Tgt Ion:154 Resp: 38266
Ion Ratio Lower Upper
154 100
153 43.8 23.7 63.7
76 10.8 0.0 35.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.01 min

Lab File: BF111752.D

Acq: 27 Dec 2018 9:27

Instrument :

BNA_F

ClientSampleId :

P001-SS013-1824-01DL

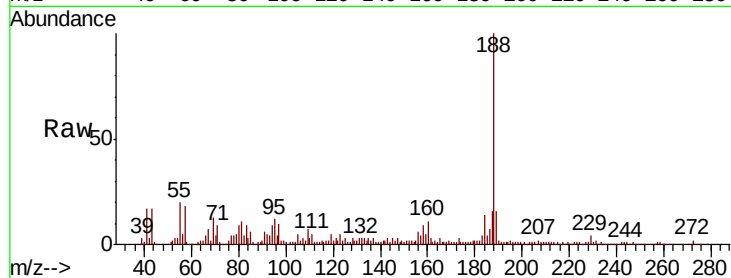
Tot Ion:188 Resp: 335361

Ion Ratio Lower Upper

188 100

94 9.2 9.6 14.4#

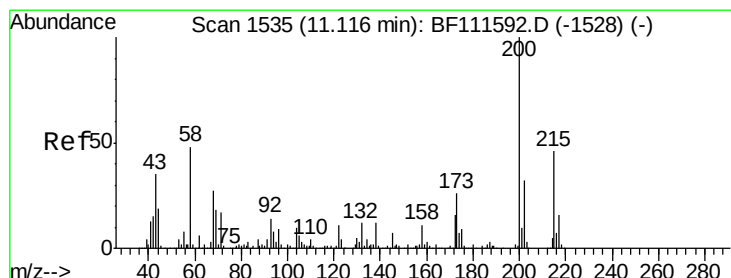
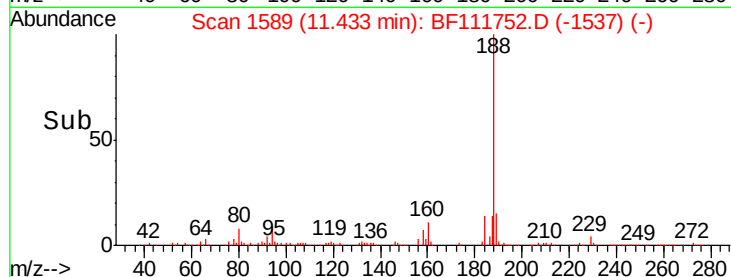
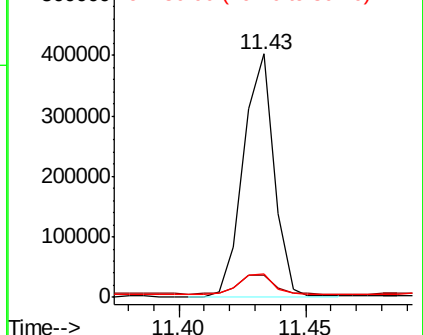
80 9.4 9.8 14.6#



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

Atrazine

Concen: 25.754 ng

RT: 11.13 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BF111752.D

Acq: 27 Dec 2018 9:27

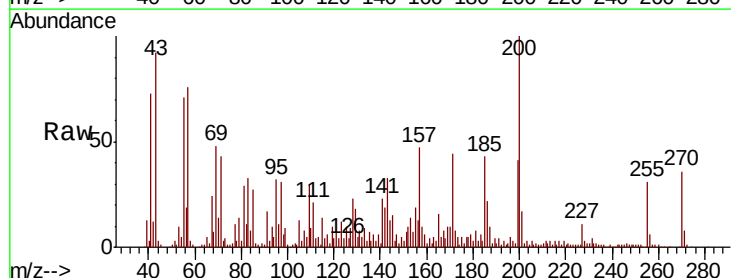
Tgt Ion:200 Resp: 100720

Ion Ratio Lower Upper

200 100

173 4.5 10.1 50.1#

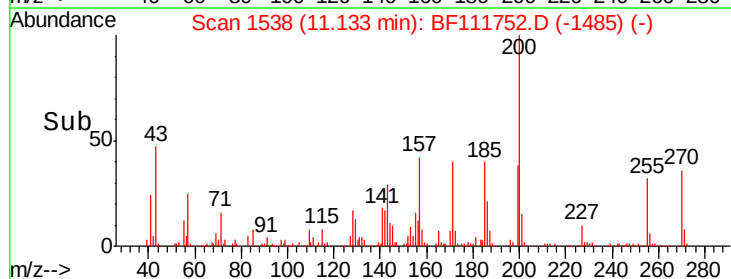
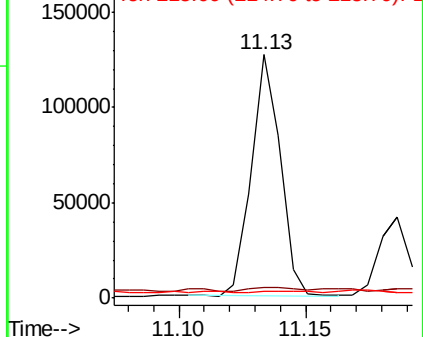
215 2.9 26.9 66.9#

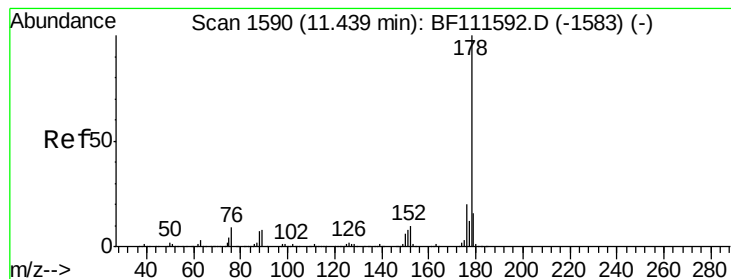


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#71

Phenanthrene

Concen: 6.012 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.01 min

Lab File: BF111752.D

Acq: 27 Dec 2018 9:27

Instrument :

BNA_F

ClientSampleId :

P001-SS013-1824-01DL

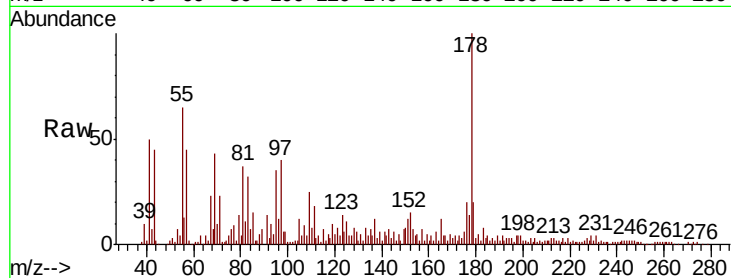
Tot Ion:178 Resp: 106921

Ion Ratio Lower Upper

178 100

176 20.0 18.1 27.1

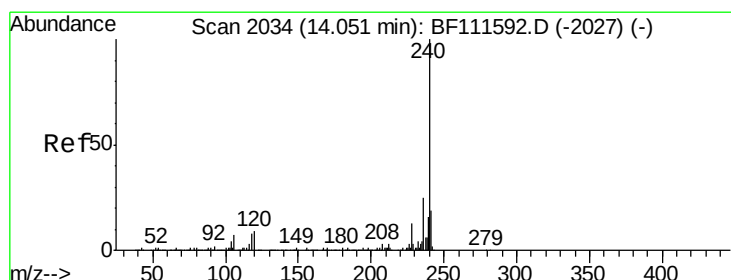
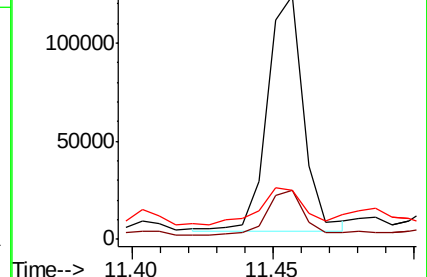
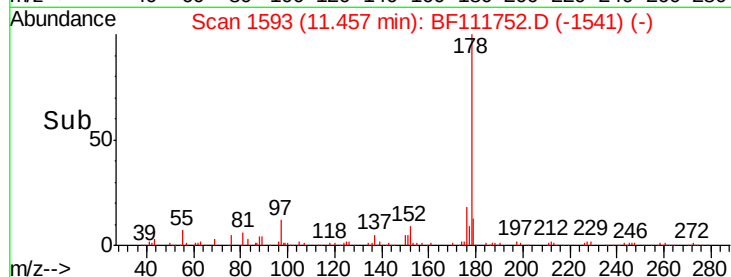
179 20.2 14.0 21.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF111752.D

Acq: 27 Dec 2018 9:27

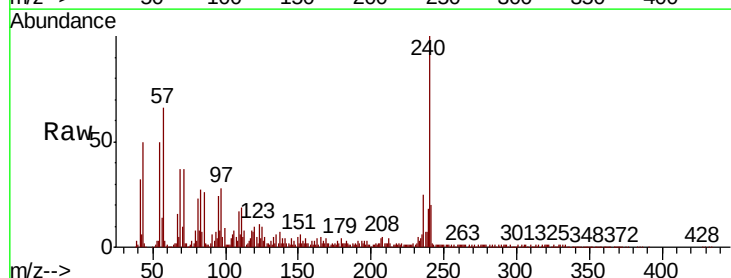
Tgt Ion:240 Resp: 231673

Ion Ratio Lower Upper

240 100

120 10.0 12.2 18.2#

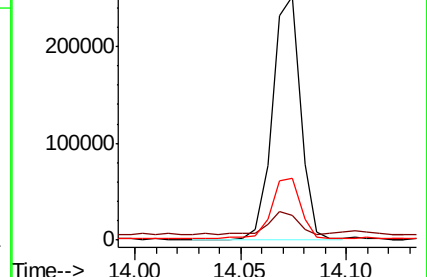
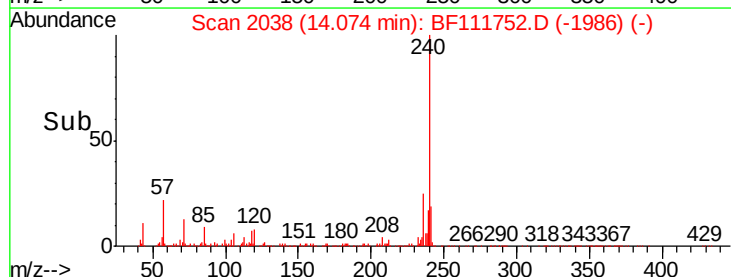
236 25.4 20.2 30.2

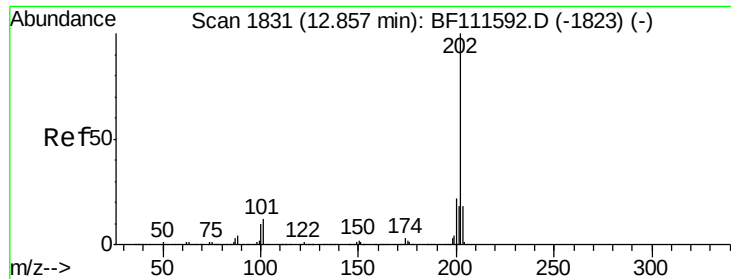


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

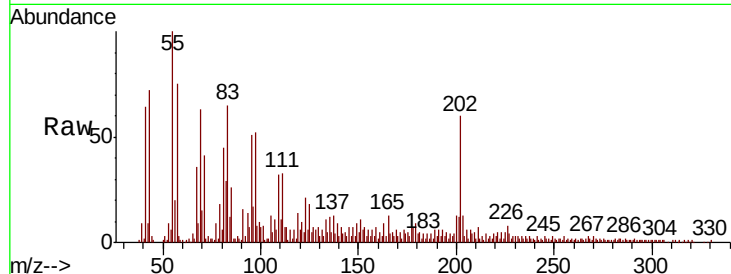




#78
Pvrene
Concen: 3.106 ng
RT: 12.87 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BF111752.D
Acq: 27 Dec 2018 9:27

Instrument :
BNA_F
ClientSampleId :
P001-SS013-1824-01DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	19.0	28.4
203	22.0	15.2	22.8

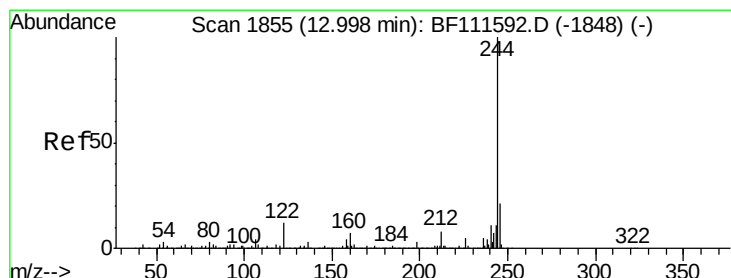
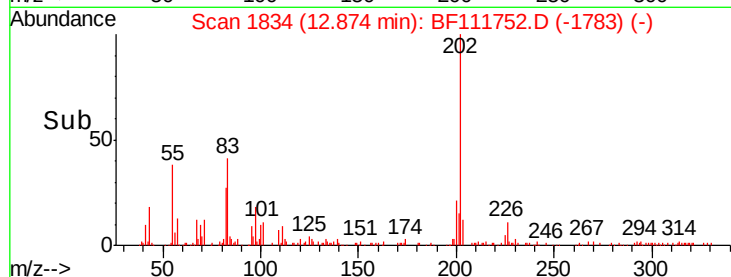
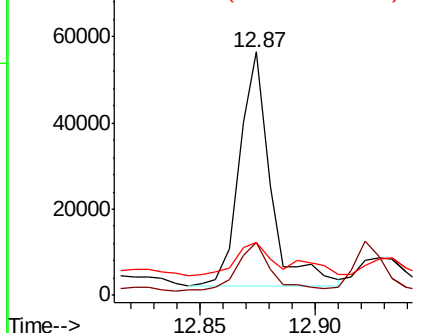


Abundance

Ion 202.00 (201.70 to 202.70): E

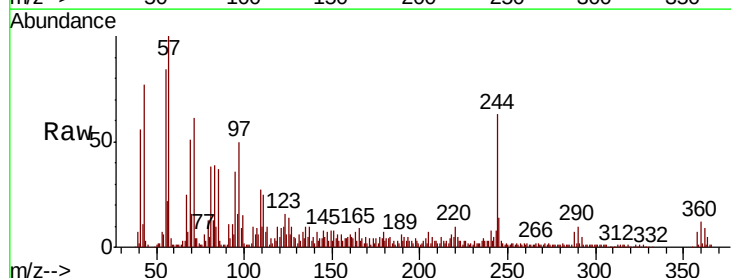
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 5.416 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BF111752.D
Acq: 27 Dec 2018 9:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.7	8.5
122	15.9	13.1	19.7

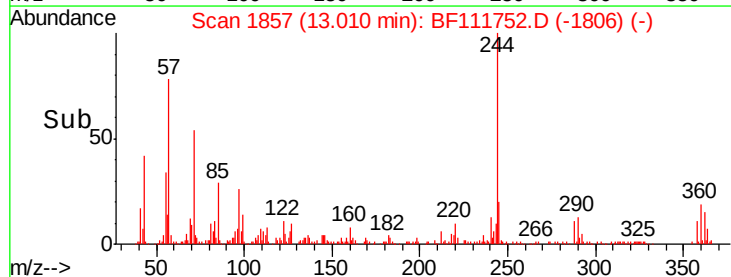
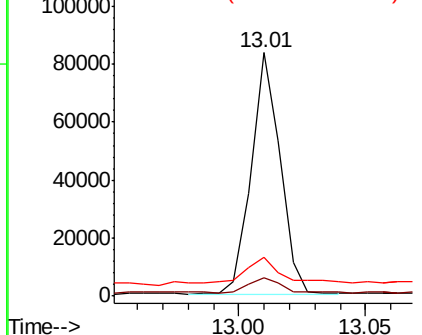


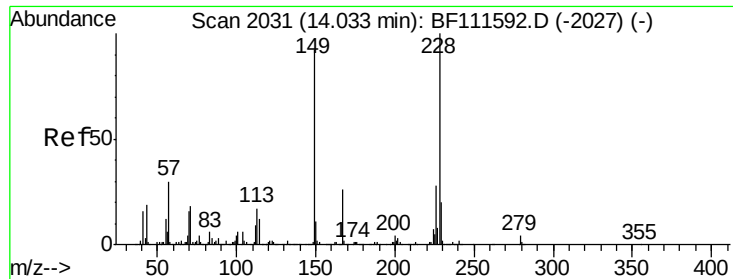
Abundance

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

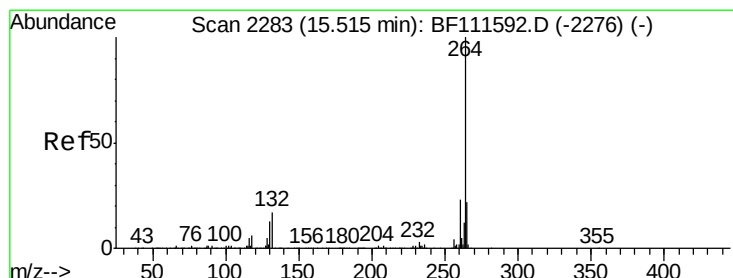
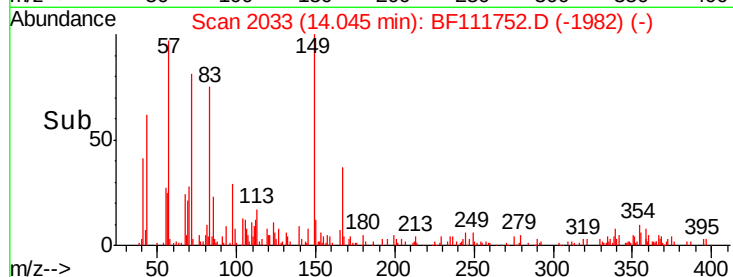
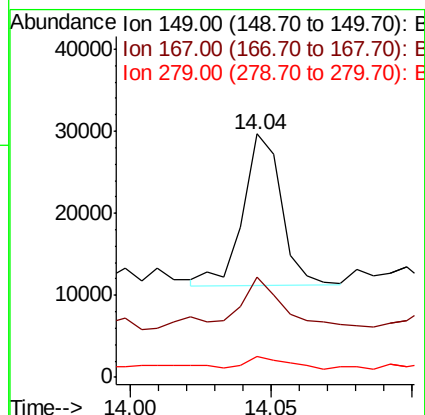
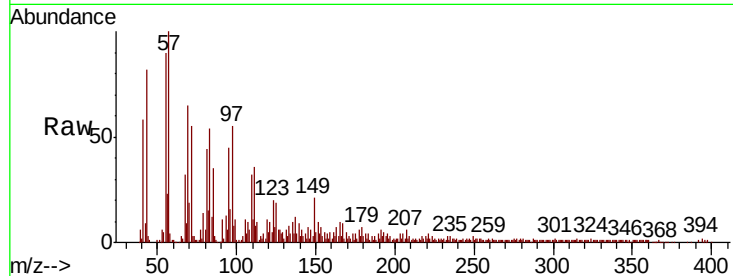




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.092 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BF111752.D
 Acq: 27 Dec 2018 9:27

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013-1824-01DL

Tot Ion:149 Resp: 17574
 Ion Ratio Lower Upper
 149 100
 167 41.1 22.5 33.7#
 279 8.5 2.6 4.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.01 min
 Lab File: BF111752.D
 Acq: 27 Dec 2018 9:27

Tgt Ion:264 Resp: 191297
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.3 27.5
 265 20.6 17.7 26.5

