

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
 Data File : BF111768.D
 Acq On : 27 Dec 2018 17:51
 Operator : JU/SJ
 Sample : J6426-15 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013C-1824-01

Quant Time: Dec 28 07:01:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	117833	20.00	ng	0.01
21) Naphthalene-d8	8.19	136	397545	20.00	ng	0.01
39) Acenaphthene-d10	9.95	164	178832	20.00	ng	0.02
64) Phenanthrene-d10	11.45	188	306253	20.00	ng	0.03
76) Chrysene-d12	14.11	240	199245	20.00	ng	0.06
87) Perylene-d12	15.62	264	168343	20.00	ng	0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	109415	15.83	ng	0.04
7) Phenol-d6	6.55	99	181689	20.65	ng	0.03
23) Nitrobenzene-d5	7.46	82	143578	21.02	ng	0.00
42) 2,4,6-Tribromophenol	10.75	330	50490	23.89	ng	0.02
45) 2-Fluorobiphenyl	9.26	172	232039	18.91	ng	0.00
79) Terphenyl-d14	13.04	244	200814	19.11	ng	0.04

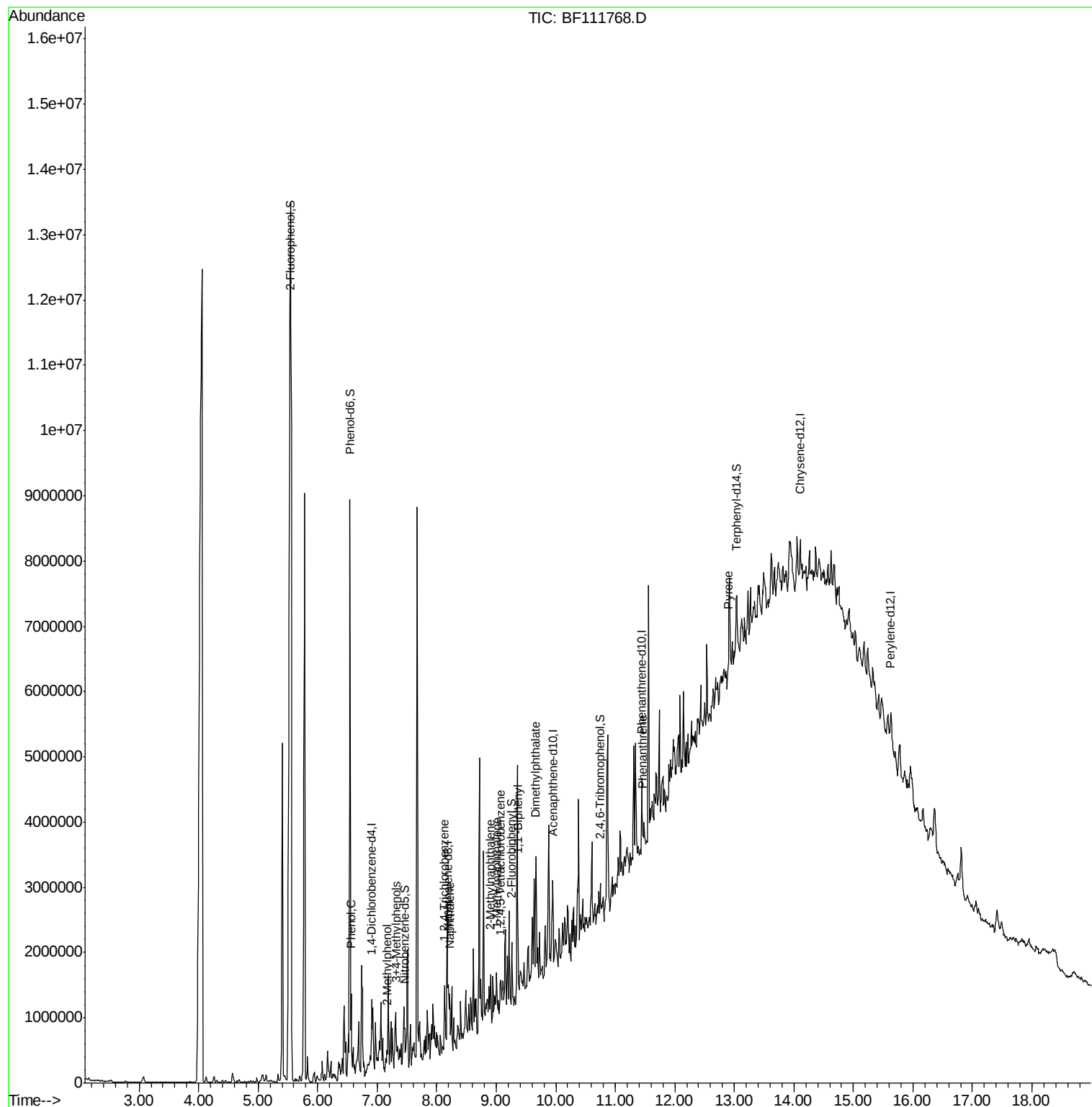
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.57	94	313614	31.593	ng	97
17) 2-Methylphenol	7.17	107	20478	3.340	ng	# 82
20) 3+4-Methylphenols	7.32	107	102567	13.238	ng	# 64
30) 1,2,4-Trichlorobenzene	8.13	180	128484	18.731	ng	96
31) Naphthalene	8.22	128	173104	9.062	ng	97
37) 2-Methylnaphthalene	8.90	142	183094	14.733	ng	96
38) 1-Methylnaphthalene	9.00	142	104704	8.772	ng	# 98
40) 1,2,4,5-Tetrachlorobenzene	9.07	216	27332	4.651	ng	# 85
46) 1,1'-Biphenyl	9.37	154	38628	2.559	ng	97
50) Dimethylphthalate	9.66	163	37203	2.845	ng	# 60
71) Phenanthrene	11.47	178	88399	5.443	ng	# 85
78) Pvrene	12.90	202	95263	6.771	ng	# 83

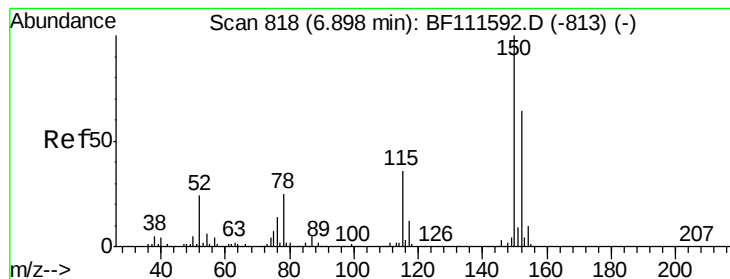
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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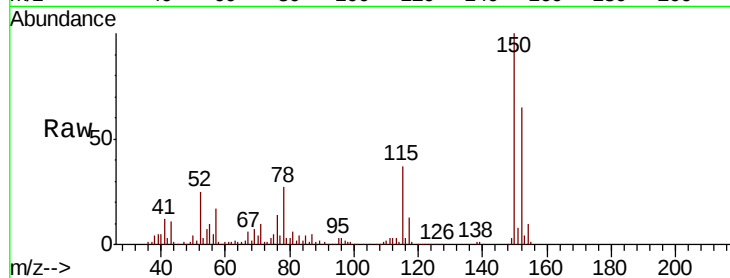


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.91 min Scan# 820
 Delta R.T. 0.01 min
 Lab File: BF111768.D
 Acq: 27 Dec 2018 17:51

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013C-1824-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.6	189.8
115	57.6	50.7	76.1

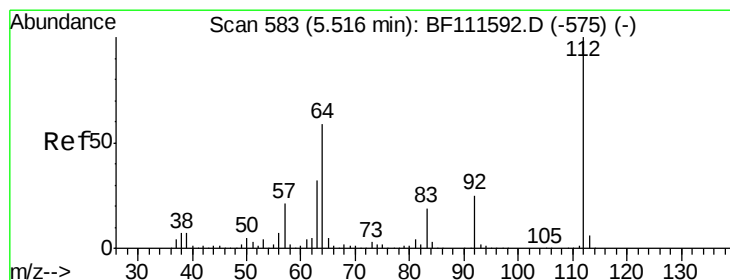
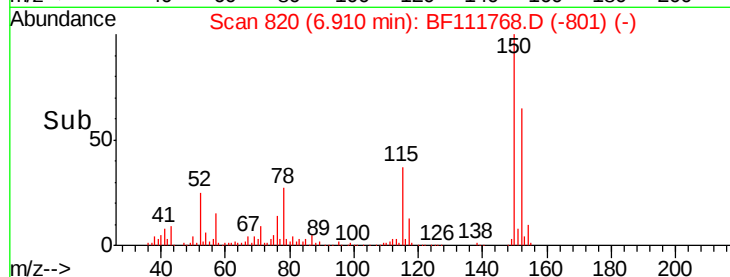
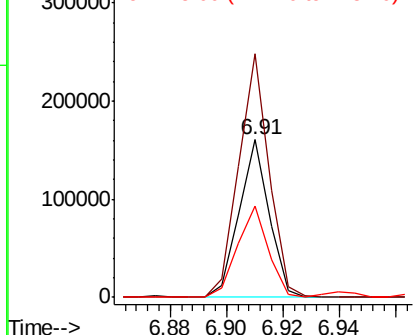


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

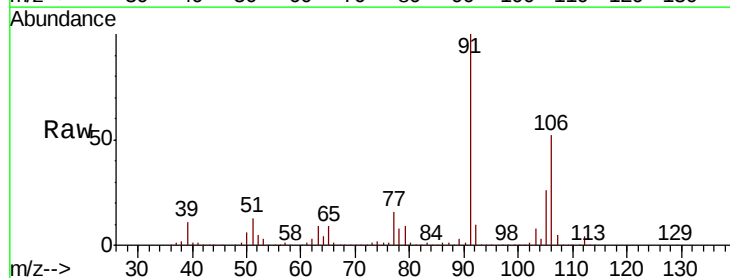
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 15.828 ng
 RT: 5.55 min Scan# 589
 Delta R.T. 0.04 min
 Lab File: BF111768.D
 Acq: 27 Dec 2018 17:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	100.5	51.8	77.6#
63	223.4	26.8	40.2#

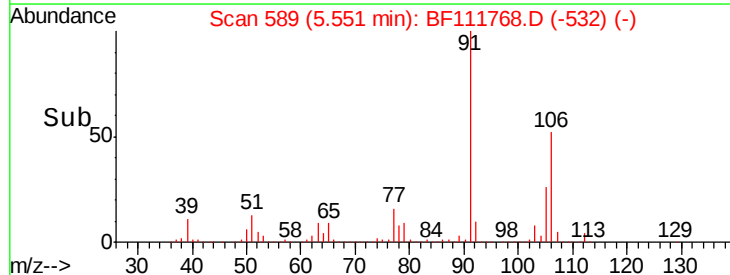
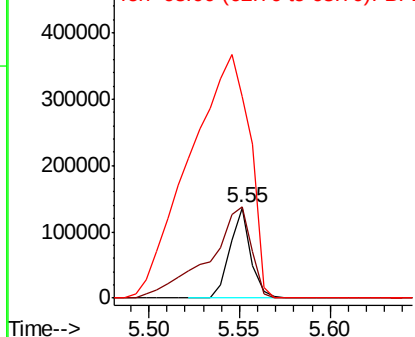


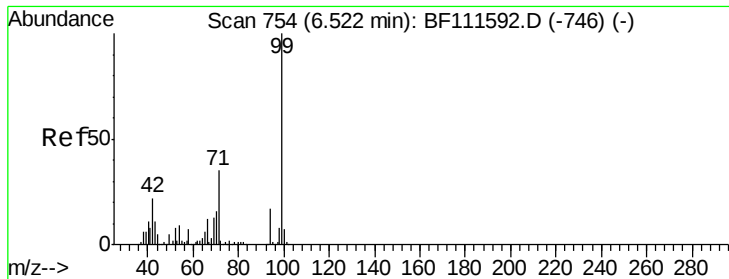
Abundance

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: 20.652 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.03 min

Lab File: BF111768.D

Acq: 27 Dec 2018 17:51

Instrument :

BNA_F

ClientSampleId :

P001-SS013C-1824-01

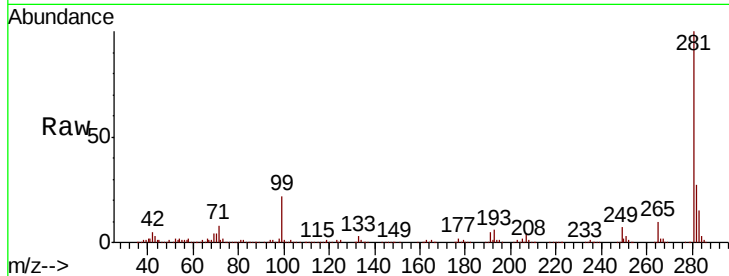
Tot Ion: 99 Resp: 181689

Ion Ratio Lower Upper

99 100

42 23.0 17.4 26.0

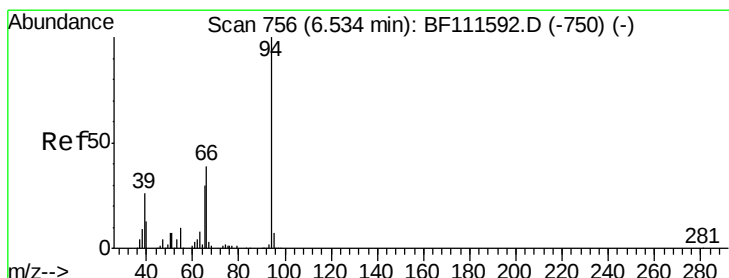
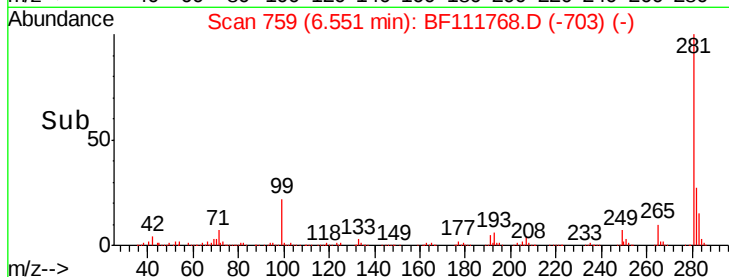
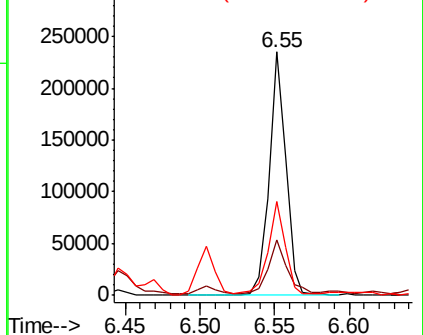
71 38.4 26.1 39.1



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



#10

Phenol

Concen: 31.593 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.04 min

Lab File: BF111768.D

Acq: 27 Dec 2018 17:51

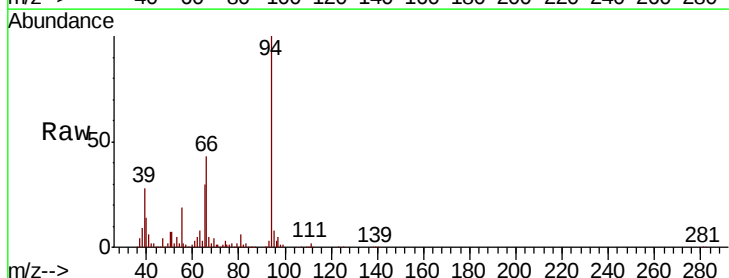
Tgt Ion: 94 Resp: 313614

Ion Ratio Lower Upper

94 100

65 30.1 11.7 51.7

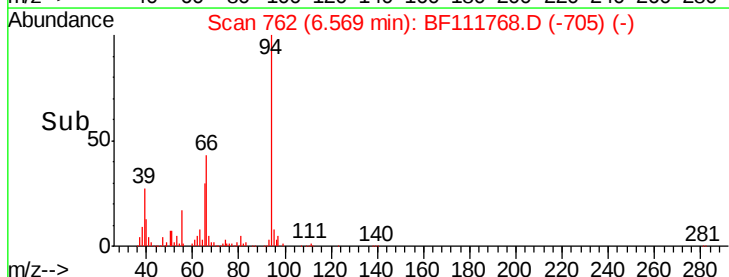
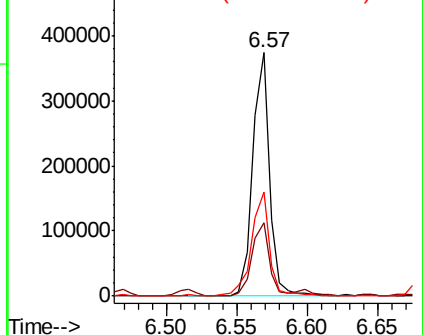
66 42.9 21.0 61.0

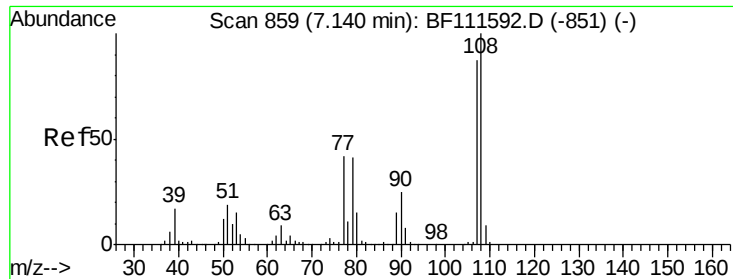


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

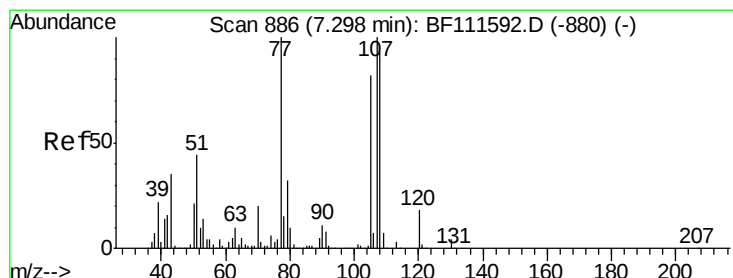
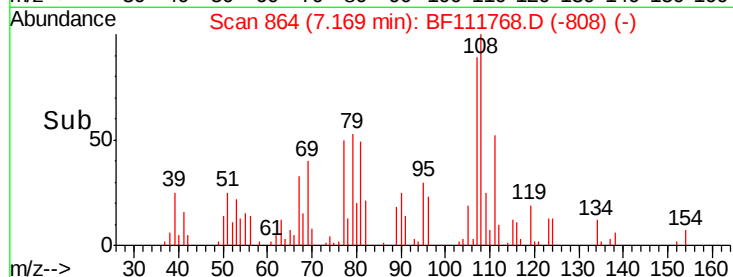
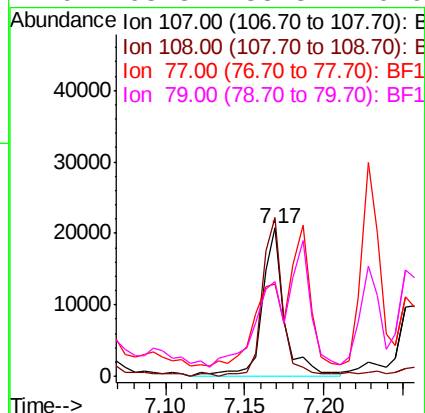
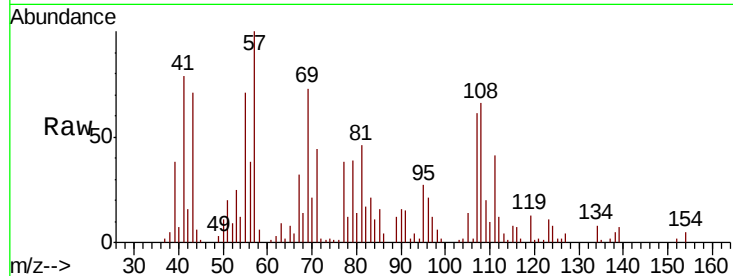




#17
2-Methylphenol
Concen: 3.340 ng
RT: 7.17 min Scan# 864
Delta R.T. 0.03 min
Lab File: BF111768.D
Acq: 27 Dec 2018 17:51

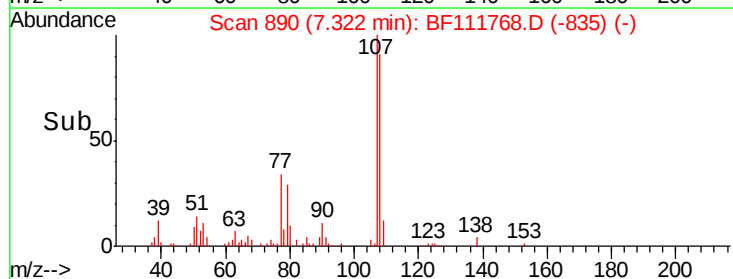
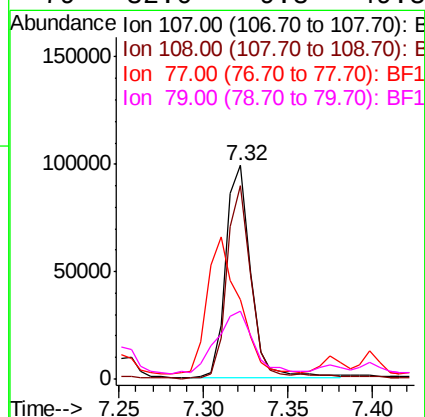
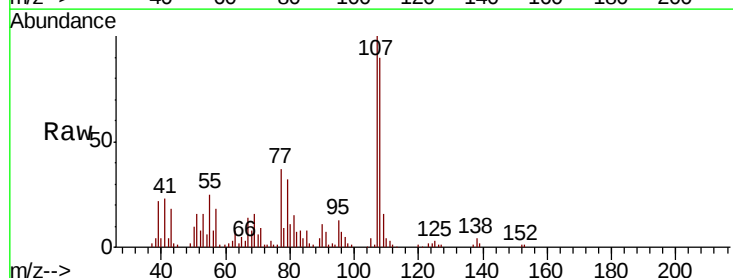
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P001-SS013C-1824-01

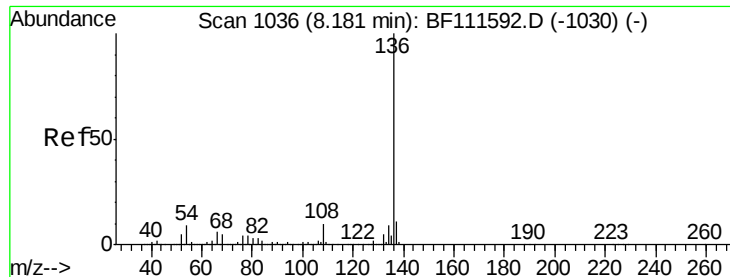
Tot Ion:107 Resp: 20478
Ion Ratio Lower Upper
107 100
108 107.2 91.0 136.4
77 62.2 33.5 50.3#
79 63.8 33.3 49.9#



#20
3+4-Methylphenols
Concen: 13.238 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.02 min
Lab File: BF111768.D
Acq: 27 Dec 2018 17:51

Tgt Ion:107 Resp: 102567
Ion Ratio Lower Upper
107 100
108 90.5 72.1 112.1
77 37.2 94.1 134.1#
79 32.0 9.8 49.8

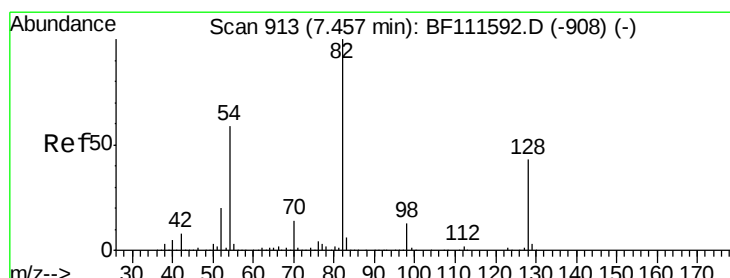
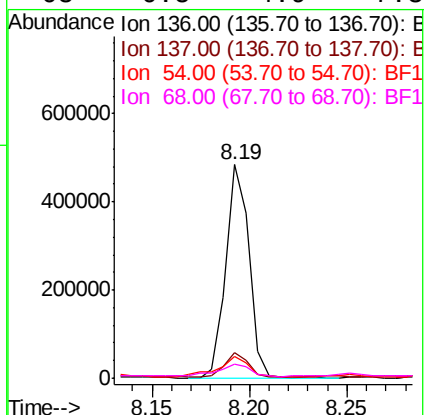
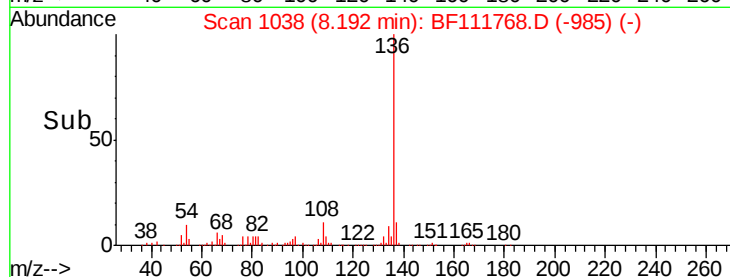
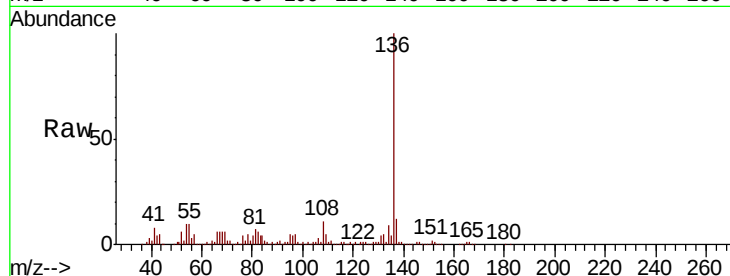




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.01 min
Lab File: BF111768.D
Acq: 27 Dec 2018 17:51

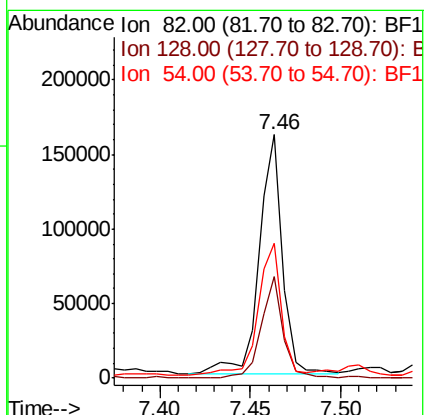
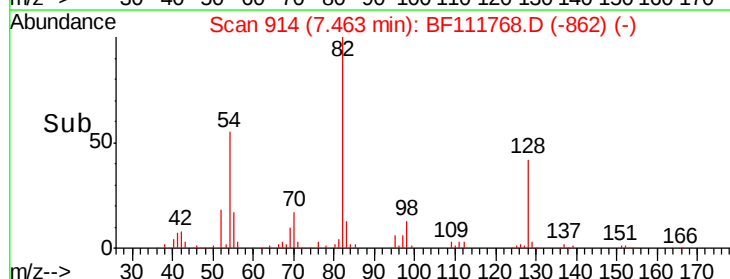
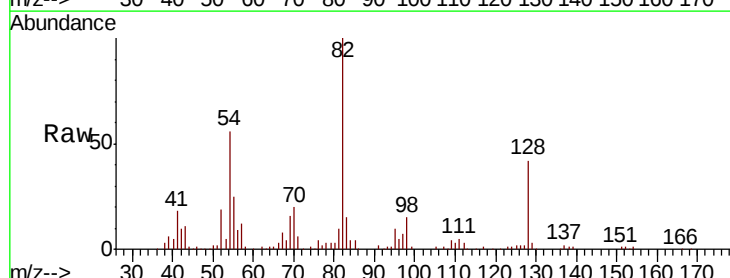
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BNA_F
ClientSampleId :
P001-SS013C-1824-01

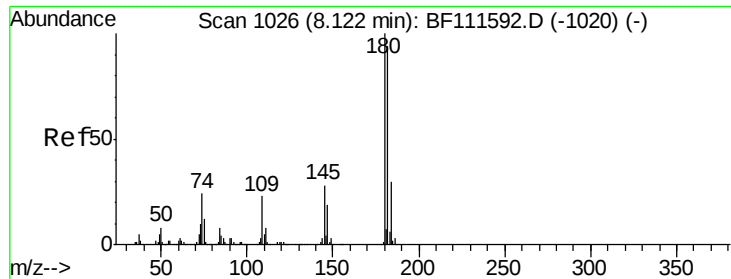
Tot Ion:136	Resp:	397545
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.1 13.7
54	10.2	7.7 11.5
68	6.5	4.9 7.3



#23
Nitrobenzene-d5
Concen: 21.022 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF111768.D
Acq: 27 Dec 2018 17:51

Tgt Ion: 82	Resp:	143578
Ion Ratio	Lower	Upper
82	100	
128	41.6	37.4 56.2
54	55.5	47.6 71.4

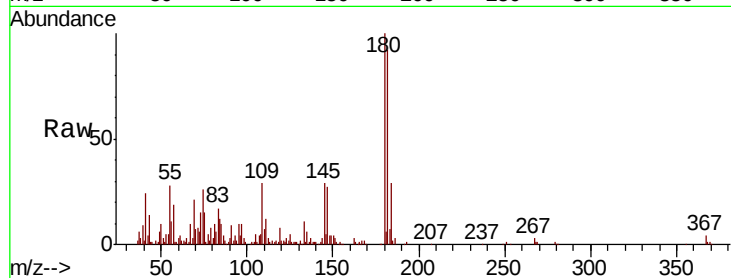




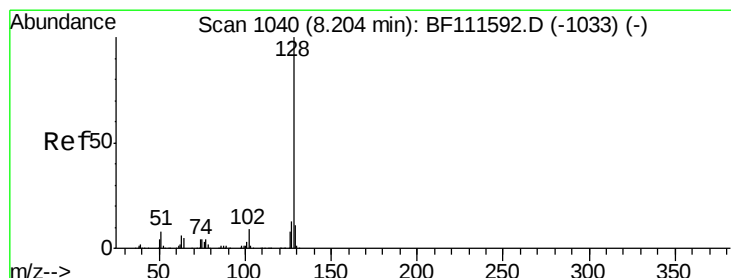
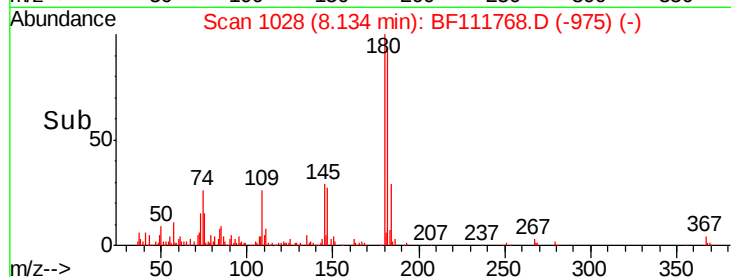
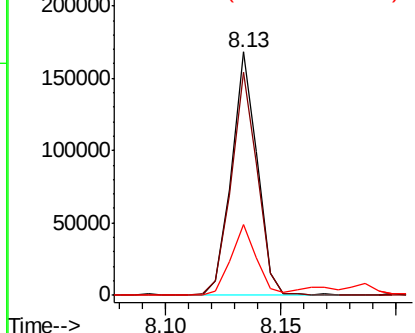
#30
 1,2,4-Trichlorobenzene
 Concen: 18.731 ng
 RT: 8.13 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BF111768.D
 Acq: 27 Dec 2018 17:51

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013C-1824-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	75.6	113.4
145	29.2	26.7	40.1

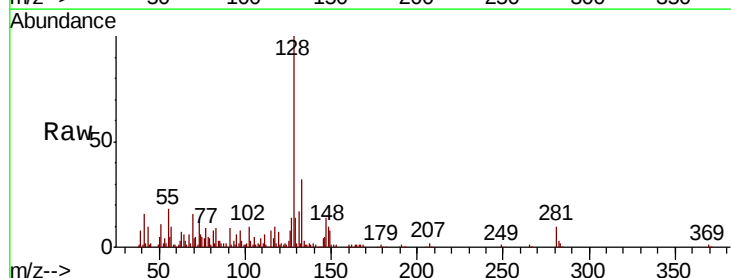


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

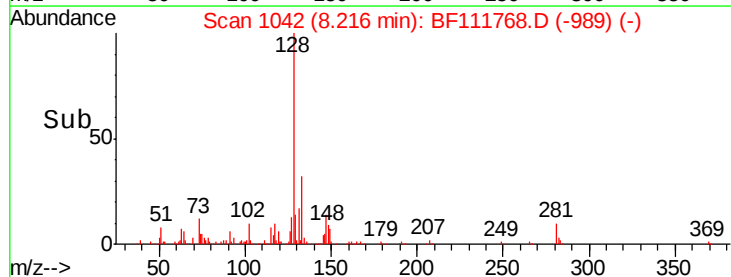
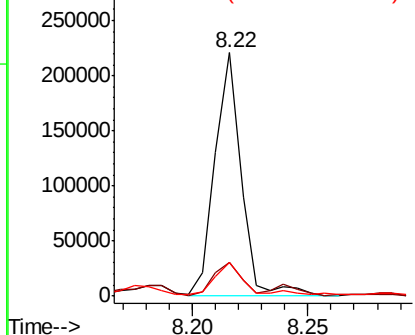


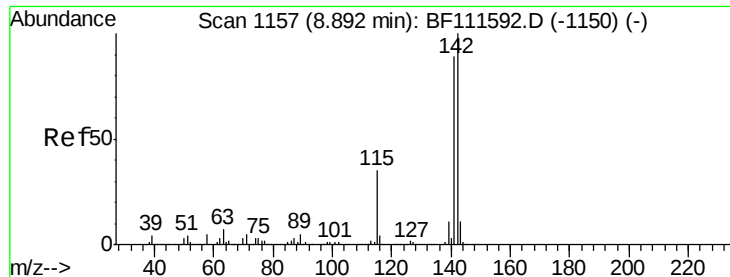
#31
 Naphthalene
 Concen: 9.062 ng
 RT: 8.22 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: BF111768.D
 Acq: 27 Dec 2018 17:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.8	9.8	14.8
127	14.1	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

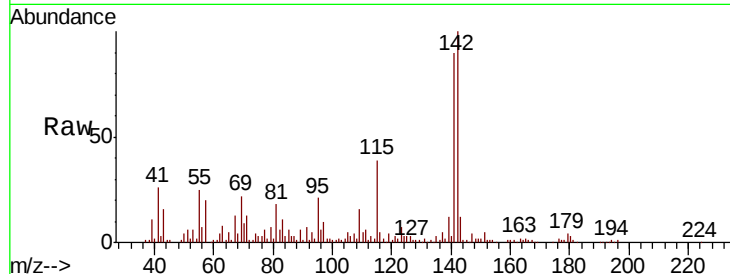




#37
2-Methylnaphthalene
Concen: 14.733 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111768.D
Acq: 27 Dec 2018 17:51

Instrument :
BNA_F
ClientSampleId :
P001-SS013C-1824-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.6	105.8
115	39.1	27.0	40.6

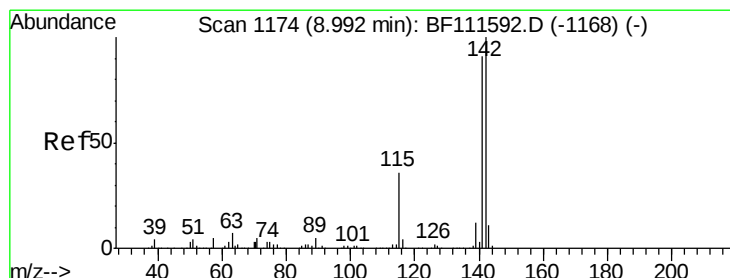
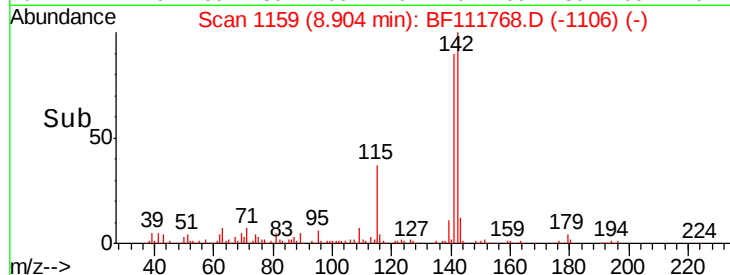
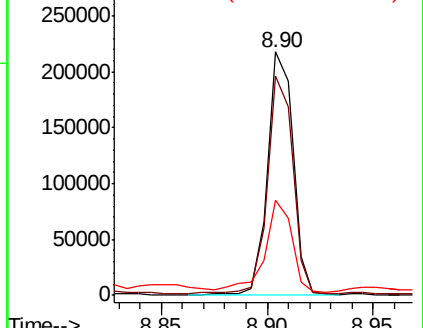


Abundance

Ion 142.00 (141.70 to 142.70): E

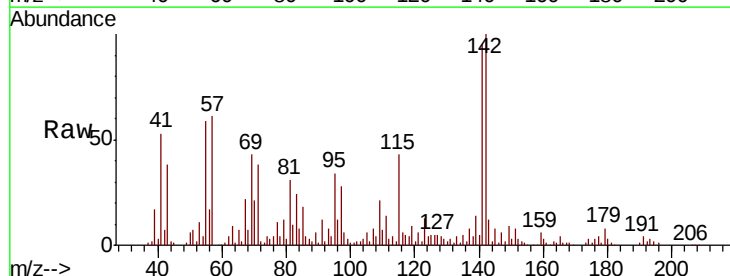
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 8.772 ng
RT: 9.00 min Scan# 1176
Delta R.T. 0.01 min
Lab File: BF111768.D
Acq: 27 Dec 2018 17:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.8	74.2	111.4
116	6.0	2.9	4.3#

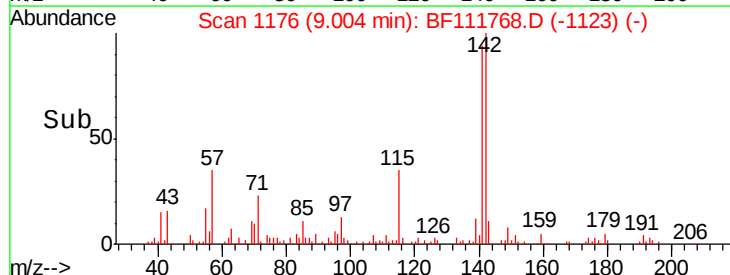
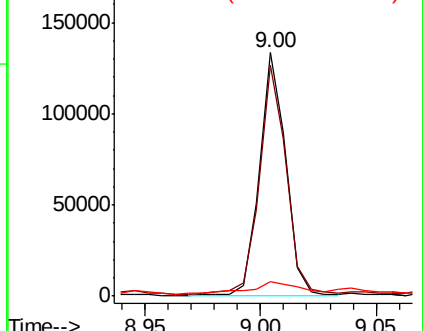


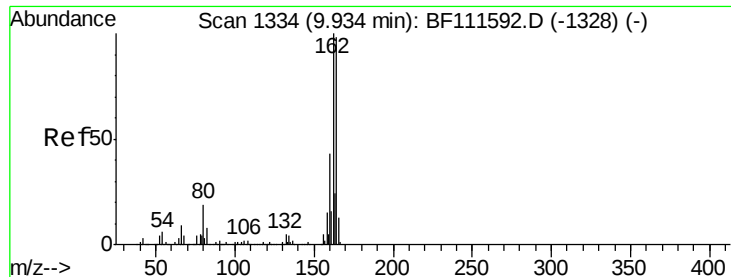
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

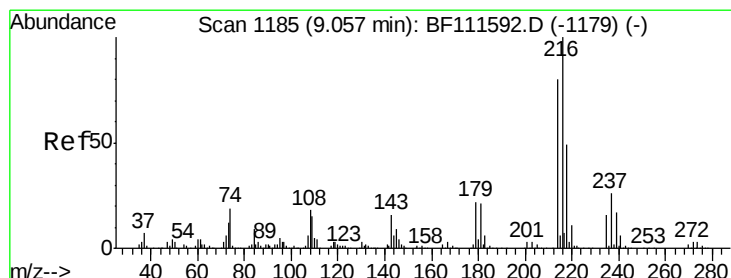
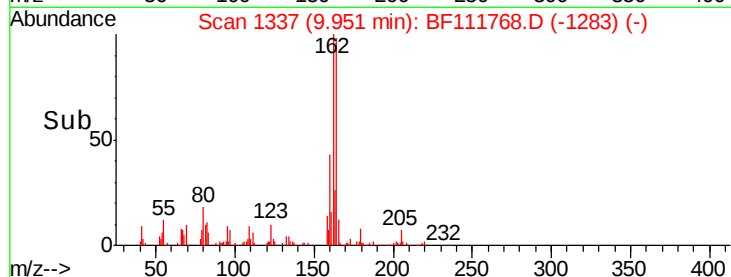
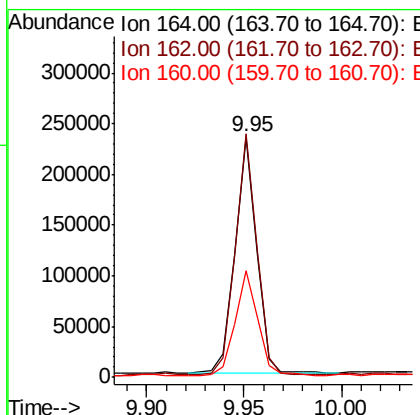
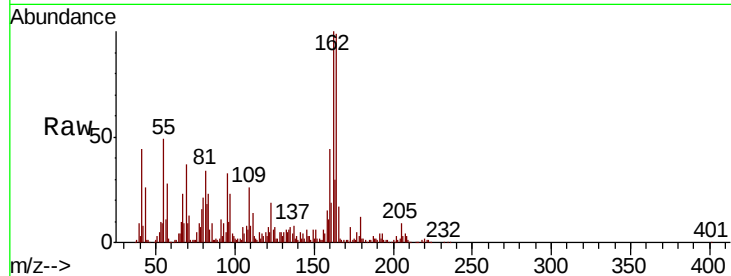




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.02 min
Lab File: BF111768.D
Acq: 27 Dec 2018 17:51

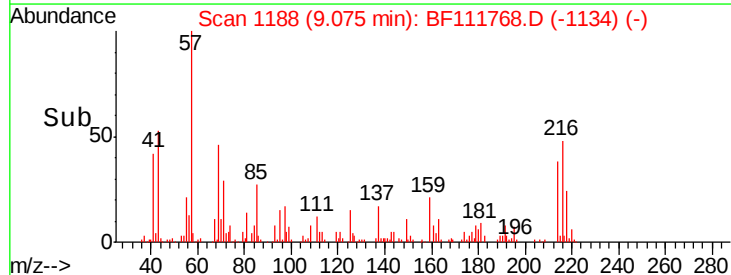
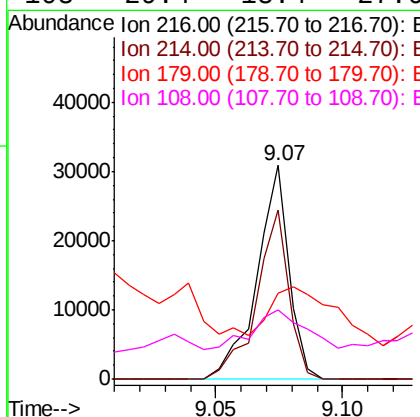
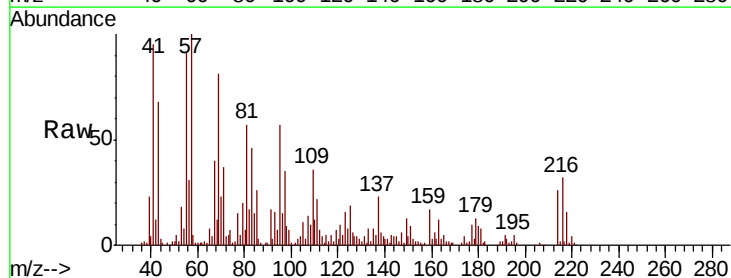
Instrument :
BNA_F
ClientSampleId :
P001-SS013C-1824-01

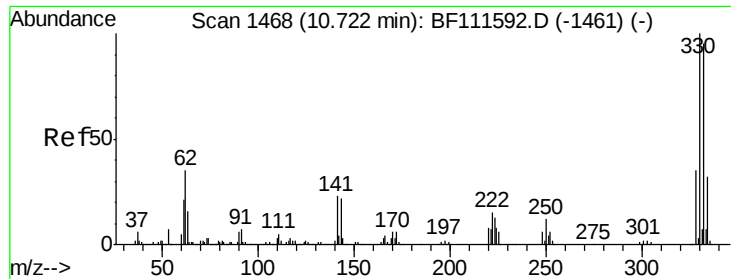
Tot Ion:164 Resp: 178832
Ion Ratio Lower Upper
164 100
162 101.4 81.4 122.0
160 44.5 35.7 53.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.651 ng
RT: 9.07 min Scan# 1188
Delta R.T. 0.02 min
Lab File: BF111768.D
Acq: 27 Dec 2018 17:51

Tgt Ion:216 Resp: 27332
Ion Ratio Lower Upper
216 100
214 79.5 63.8 95.8
179 55.5 17.9 26.9#
108 29.4 18.4 27.6#

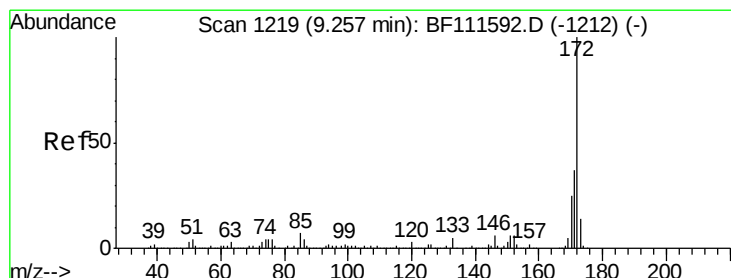
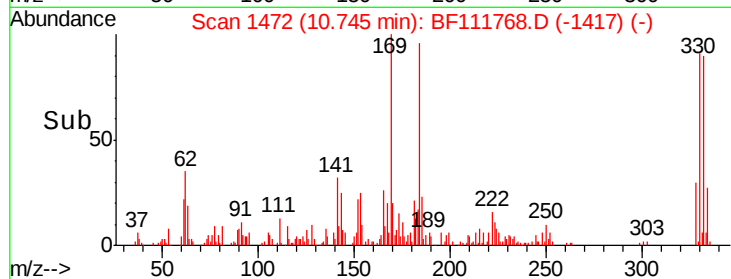
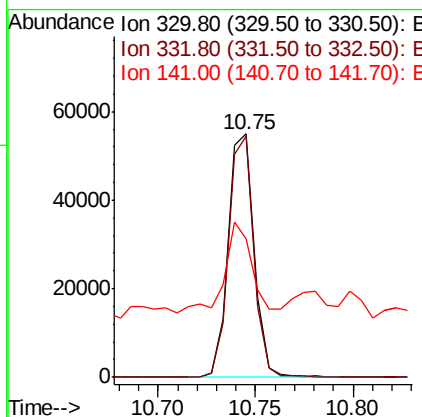
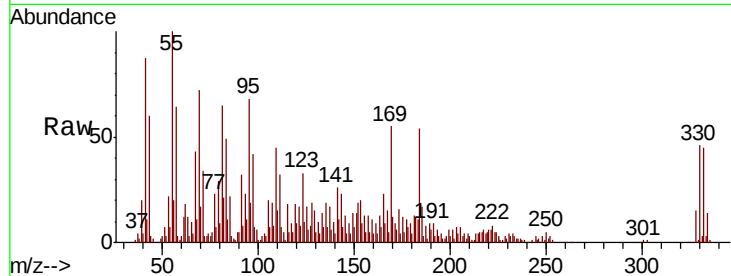




#42
 2,4,6-Tribromophenol
 Concen: 23.895 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. 0.02 min
 Lab File: BF111768.D
 Acq: 27 Dec 2018 17:51

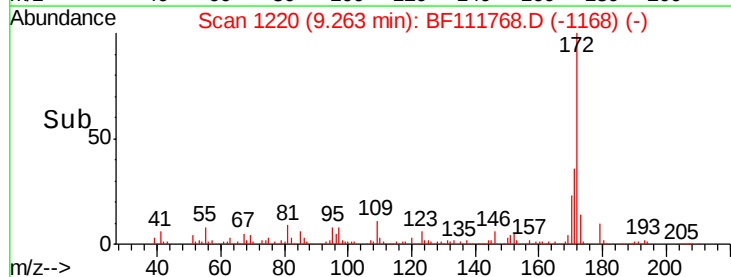
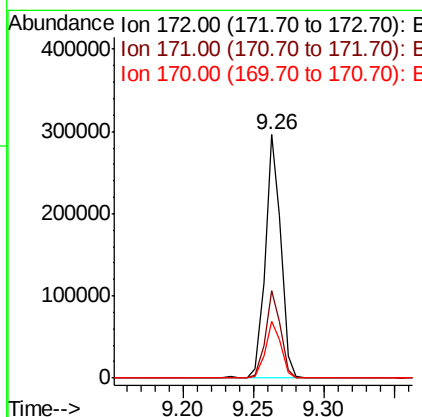
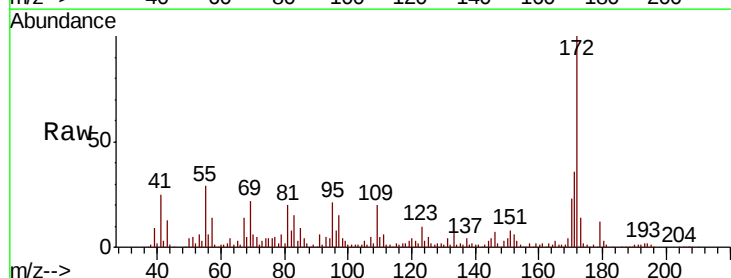
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013C-1824-01

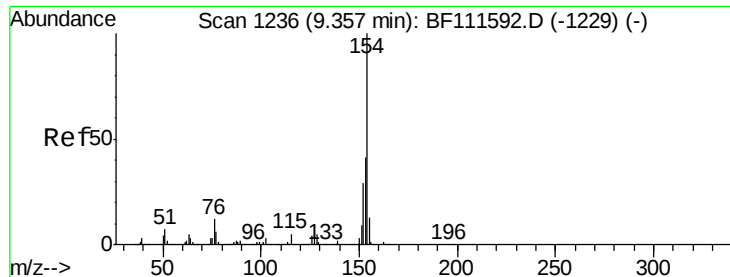
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.0	114.0
141	37.6	31.0	46.6



#45
 2-Fluorobiphenyl
 Concen: 18.912 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: BF111768.D
 Acq: 27 Dec 2018 17:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	33.0	49.4
170	23.5	22.3	33.5





#46

1,1'-Biphenyl

Concen: 2.559 ng

RT: 9.37 min Scan# 1238

Delta R.T. 0.01 min

Lab File: BF111768.D

Acq: 27 Dec 2018 17:51

Instrument :

BNA_F

ClientSampleId :

P001-SS013C-1824-01

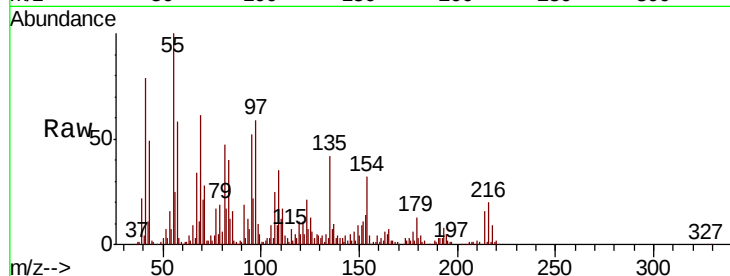
Tot Ion:154 Resp: 38628

Ion Ratio Lower Upper

154 100

153 45.0 23.7 63.7

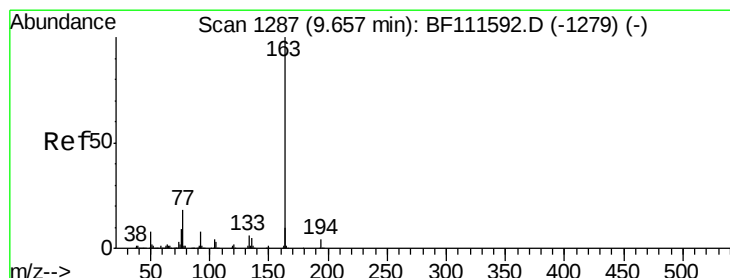
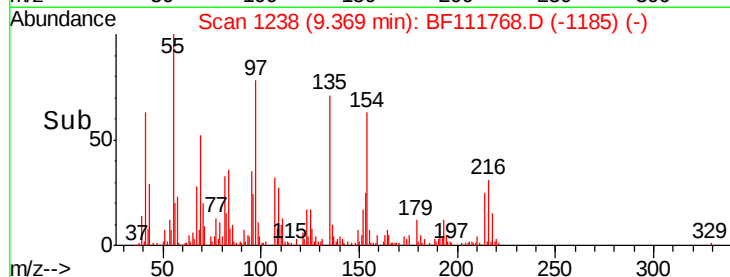
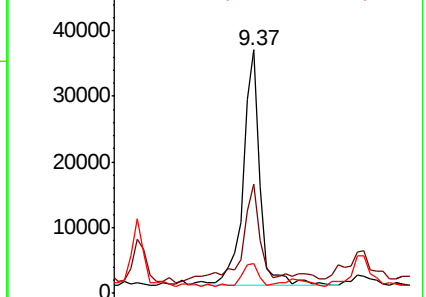
76 12.2 0.0 35.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#50

Dimethylphthalate

Concen: 2.845 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BF111768.D

Acq: 27 Dec 2018 17:51

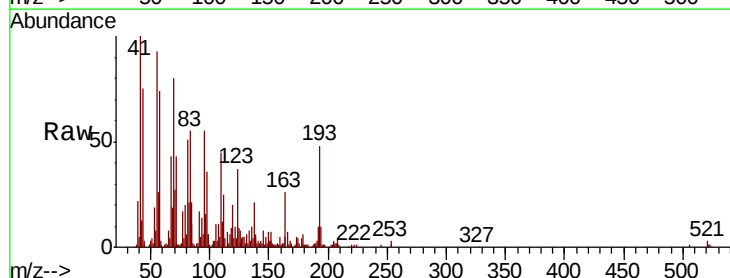
Tgt Ion:163 Resp: 37203

Ion Ratio Lower Upper

163 100

194 37.6 3.0 4.6#

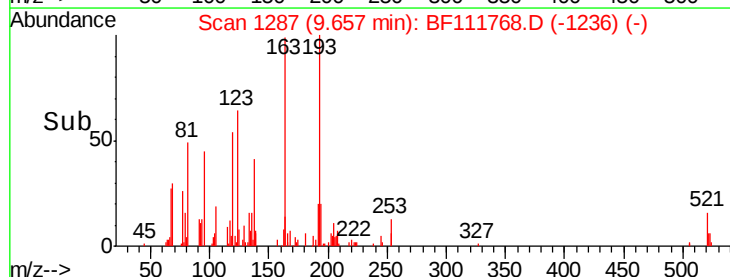
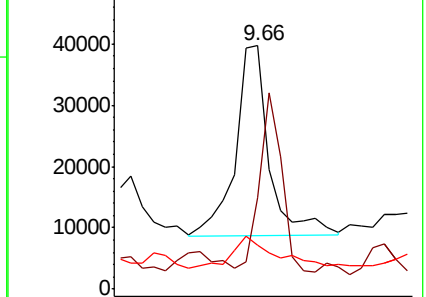
164 18.3 8.9 13.3#

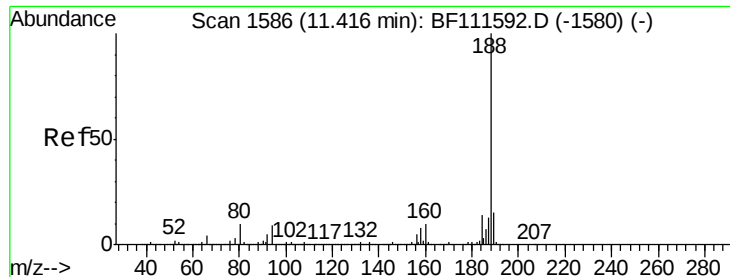


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.03 min

Lab File: BF111768.D

Acq: 27 Dec 2018 17:51

Instrument :

BNA_F

ClientSampleId :

P001-SS013C-1824-01

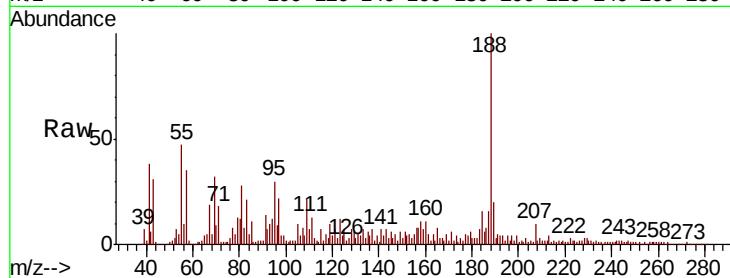
Tot Ion:188 Resp: 306253

Ion Ratio Lower Upper

188 100

94 12.4 9.6 14.4

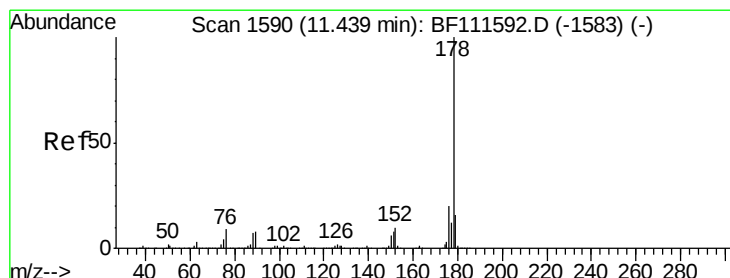
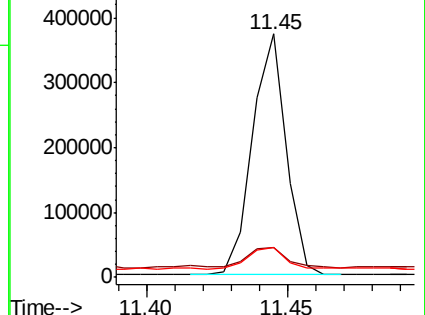
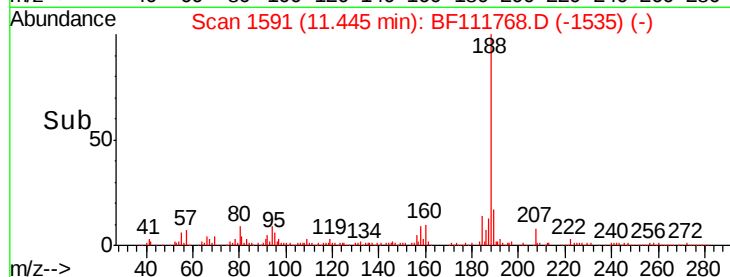
80 12.3 9.8 14.6



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



#71

Phenanthrene

Concen: 5.443 ng

RT: 11.47 min Scan# 1595

Delta R.T. 0.03 min

Lab File: BF111768.D

Acq: 27 Dec 2018 17:51

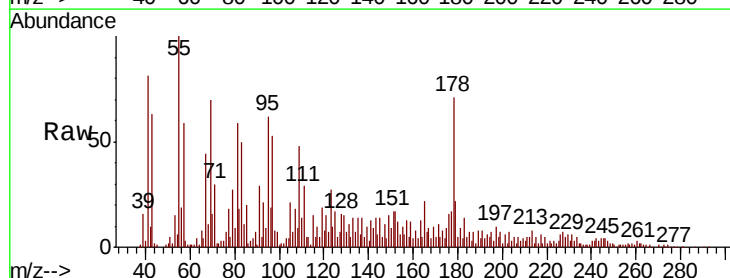
Tgt Ion:178 Resp: 88399

Ion Ratio Lower Upper

178 100

176 22.1 18.1 27.1

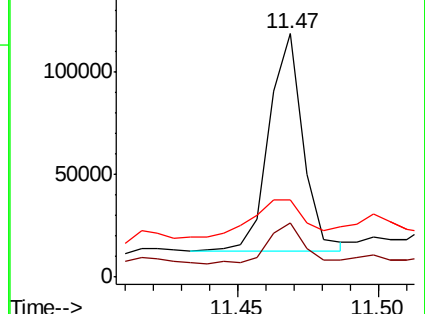
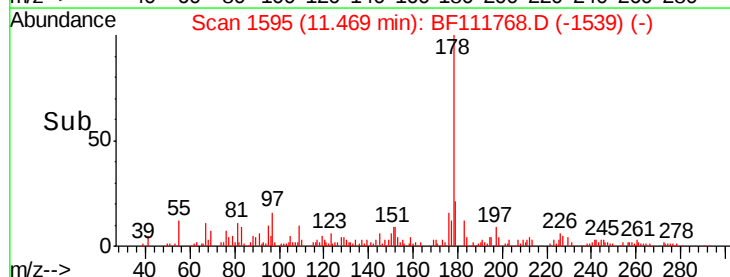
179 31.7 14.0 21.0#

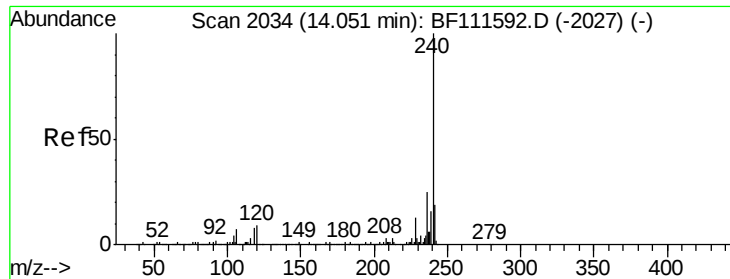


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

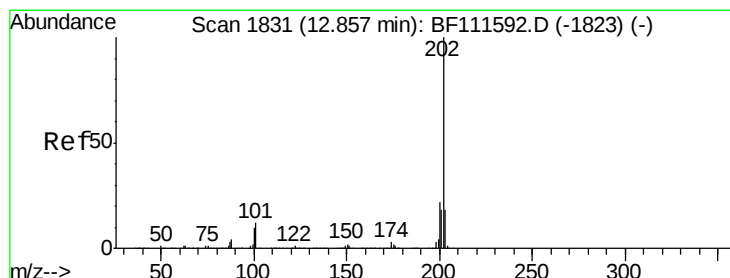
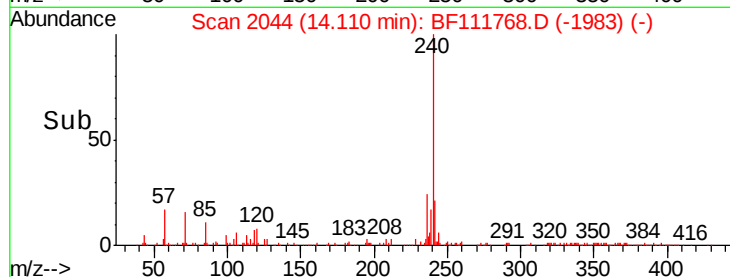
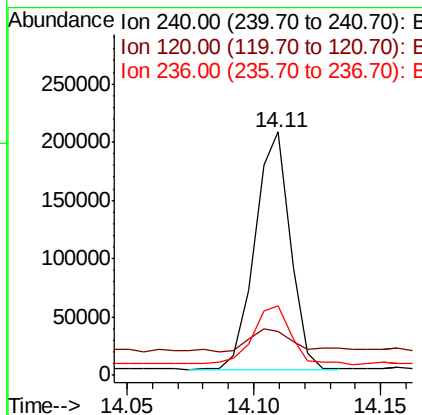
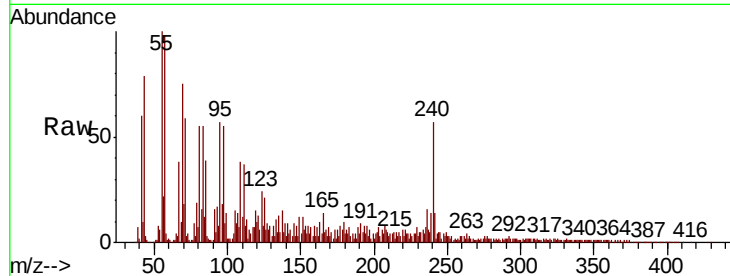




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. 0.06 min
Lab File: BF111768.D
Acq: 27 Dec 2018 17:51

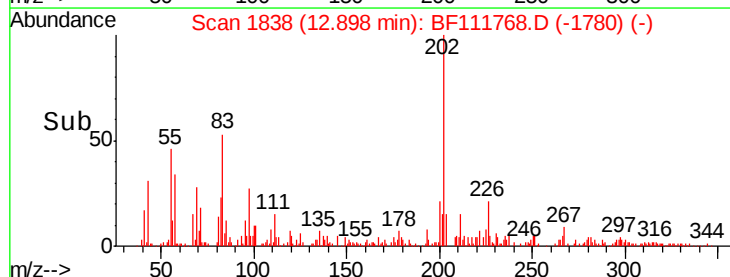
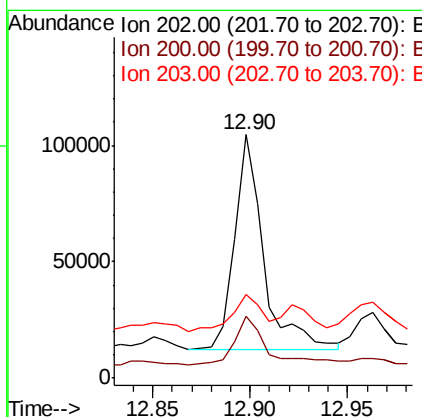
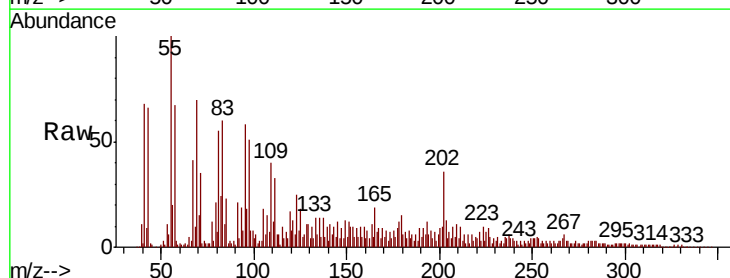
Instrument :
BNA_F
ClientSampleId :
P001-SS013C-1824-01

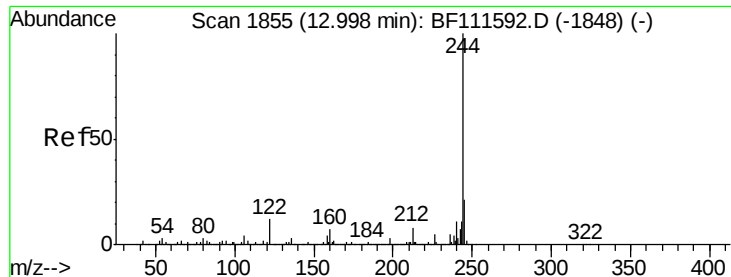
Tot Ion	Ratio	Lower	Upper
240	100		
120	17.9	12.2	18.2
236	28.8	20.2	30.2



#78
Pyrene
Concen: 6.771 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.04 min
Lab File: BF111768.D
Acq: 27 Dec 2018 17:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	25.2	19.0	28.4
203	34.4	15.2	22.8





#79

Terphenyl-d14

Concen: 19.114 ng

RT: 13.04 min Scan# 1862

Delta R.T. 0.04 min

Lab File: BF111768.D

Acq: 27 Dec 2018 17:51

Instrument :

BNA_F

ClientSampleId :

P001-SS013C-1824-01

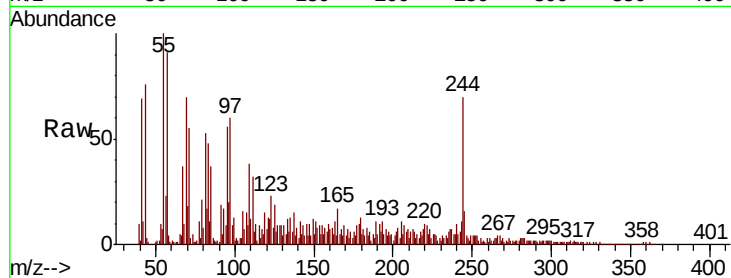
Tot Ion:244 Resp: 200814

Ion Ratio Lower Upper

244 100

212 9.3 5.7 8.5#

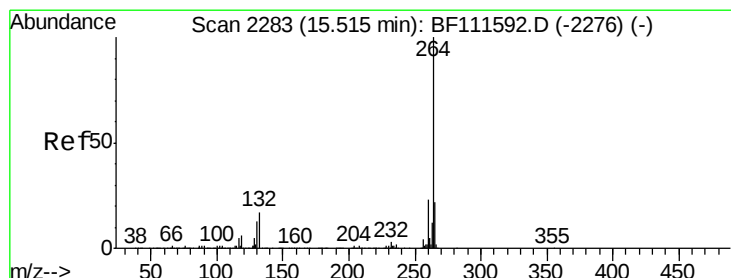
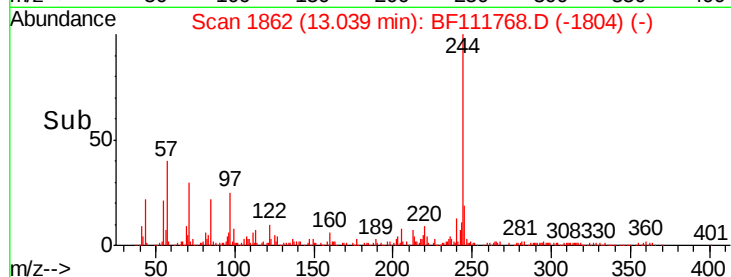
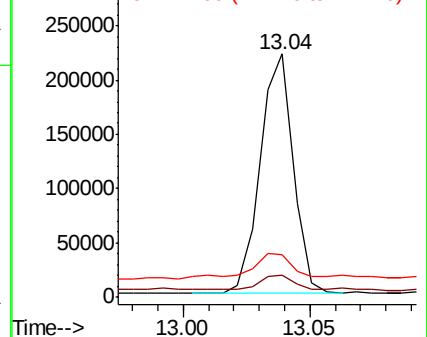
122 17.3 13.1 19.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2301

Delta R.T. 0.11 min

Lab File: BF111768.D

Acq: 27 Dec 2018 17:51

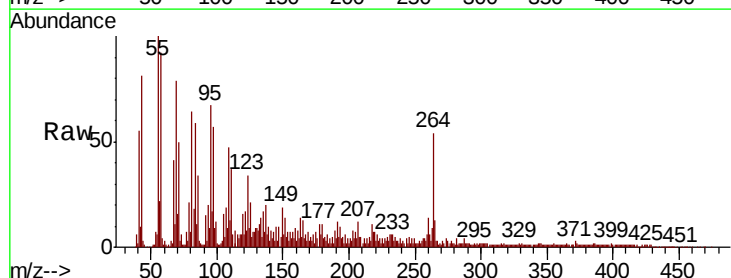
Tgt Ion:264 Resp: 168343

Ion Ratio Lower Upper

264 100

260 26.2 18.3 27.5

265 24.7 17.7 26.5



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

