

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111550.D
 Acq On : 17 Dec 2018 20:26
 Operator : JU/SJ
 Sample : J6403-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-B

Quant Time: Dec 18 04:11:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	185496	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	754791	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	350199	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	592801	20.00	ng	-0.01
76) Chrysene-d12	13.94	240	382375	20.00	ng	0.00
87) Perylene-d12	15.38	264	375416	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	730833	65.56	ng	0.00
7) Phenol-d6	6.44	99	1429035	96.38	ng	0.00
23) Nitrobenzene-d5	7.35	82	849960	67.06	ng	-0.01
42) 2,4,6-Tribromophenol	10.61	330	263421	83.97	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	1337081	58.98	ng	-0.01
79) Terphenyl-d14	12.89	244	947108	58.16	ng	0.00

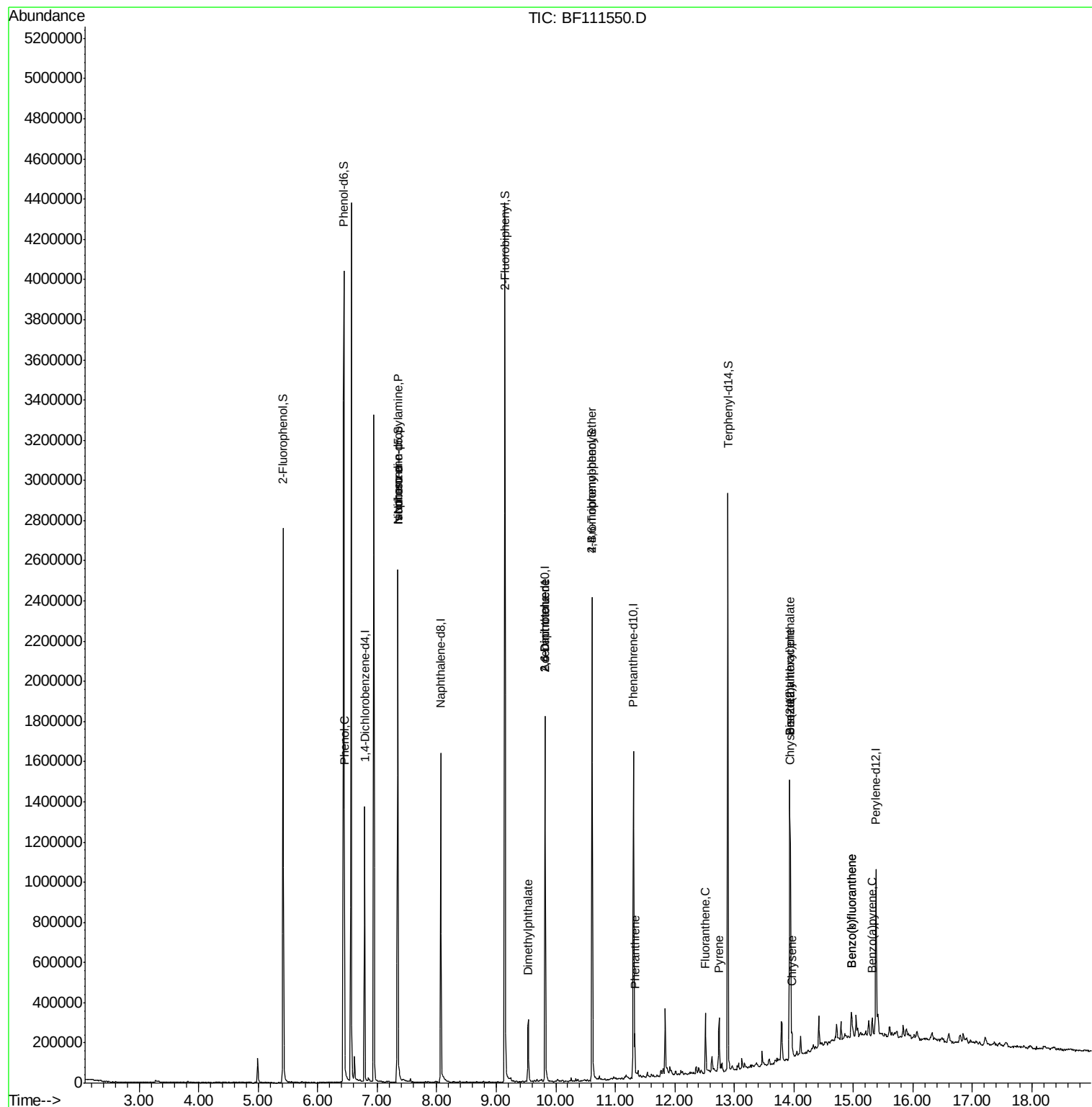
Target Compounds				Qvalue		
10) Phenol	6.45	94	85900	5.200	ng	84
19) n-Nitroso-di-n-propylamine	7.35	70	109707	11.215	ng	# 77
25) Isophorone	7.35	82	849953	39.631	ng	# 64
50) Dimethylphthalate	9.54	163	136202	5.400	ng	98
51) 2,6-Dinitrotoluene	9.82	165	43843	7.723	ng	# 29
57) 2,4-Dinitrotoluene	9.82	165	43844	5.884	ng	# 24
67) 4-Bromophenyl-phenylether	10.61	248	16557	2.591	ng	# 1
71) Phenanthrene	11.33	178	65146	2.133	ng	95
75) Fluoranthene	12.52	202	111285	3.724	ng	97
78) Pyrene	12.74	202	109502	4.062	ng	94
81) Benzo(a)anthracene	13.93	228	45740	2.200	ng	98
83) Chrysene	13.97	228	47661	2.176	ng	93
84) Bis(2-ethylhexyl)phthalate	13.93	149	296060	17.640	ng	99
88) Benzo(b)fluoranthene	14.97	252	80963	3.699	ng	# 93
89) Benzo(k)fluoranthene	14.97	252	80963	3.871	ng	# 92
90) Benzo(a)pyrene	15.32	252	44030	2.231	ng	95

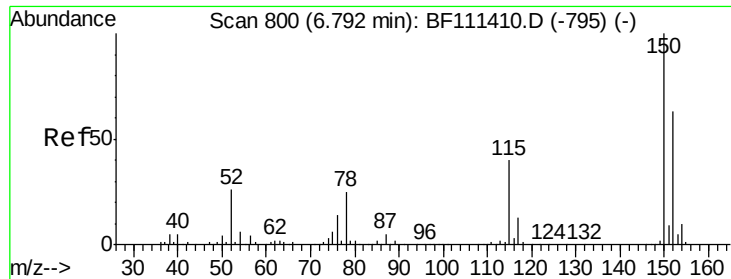
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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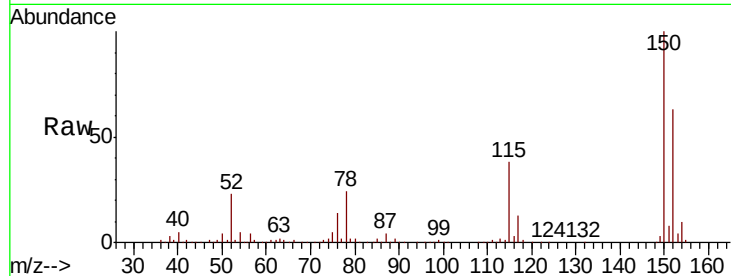


#1

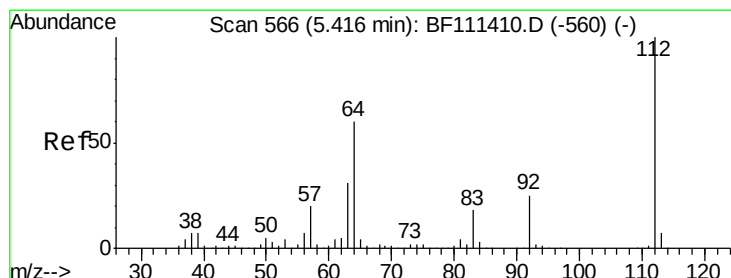
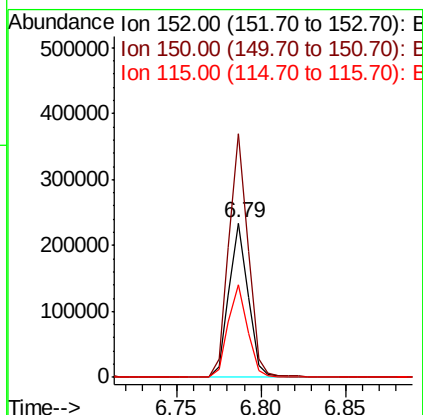
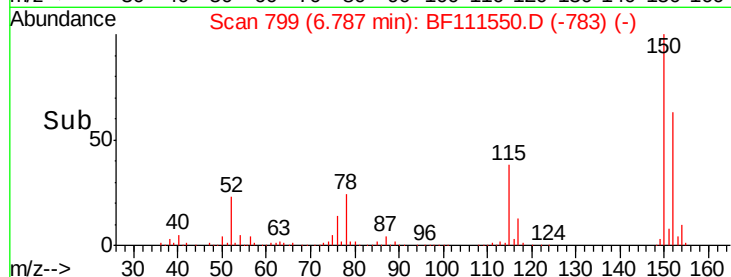
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF111550.D
 Acq: 17 Dec 2018 20:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-B

Tgt Ion:152 Resp: 185496
 Ion Ratio Lower Upper
 152 100
 150 157.5 126.6 189.8
 115 60.2 50.7 76.1



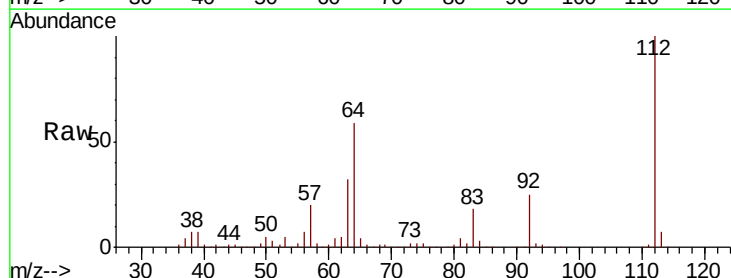
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



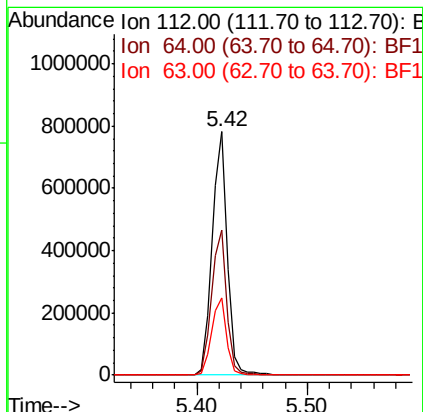
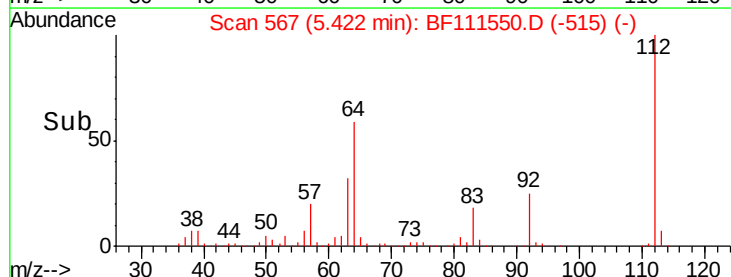
#5

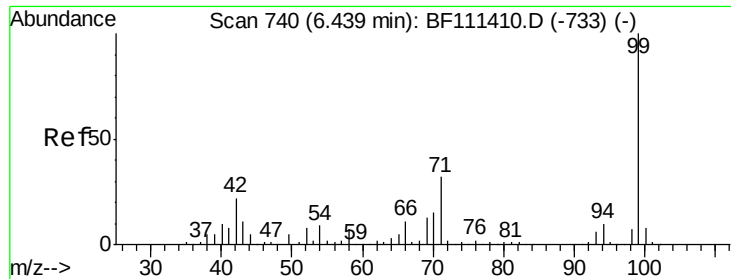
2-Fluorophenol
 Concen: 65.562 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111550.D
 Acq: 17 Dec 2018 20:26

Tgt Ion:112 Resp: 730833
 Ion Ratio Lower Upper
 112 100
 64 59.4 51.8 77.6
 63 31.9 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: 96.376 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111550.D

Acq: 17 Dec 2018 20:26

Instrument :

BNA_F

ClientSampleId :

TP-1-B

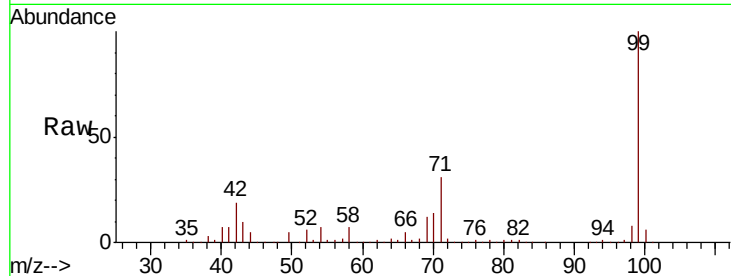
Tgt Ion: 99 Resp: 1429035

Ion Ratio Lower Upper

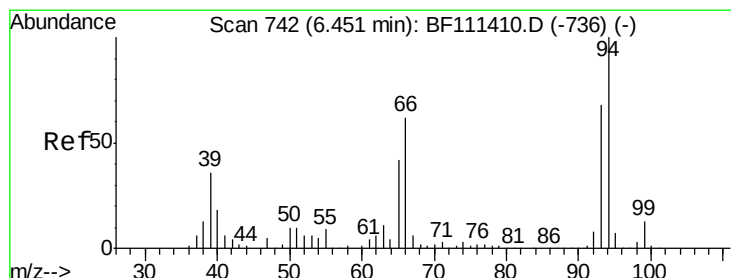
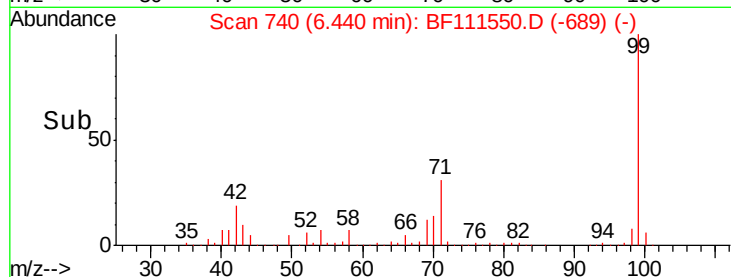
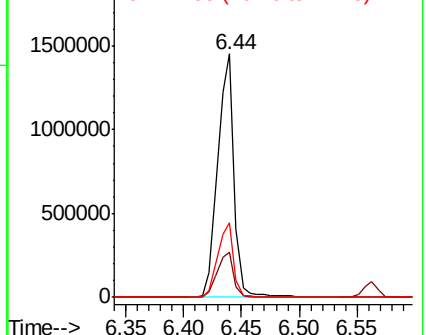
99 100

42 18.8 17.4 26.0

71 30.5 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: 5.200 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111550.D

Acq: 17 Dec 2018 20:26

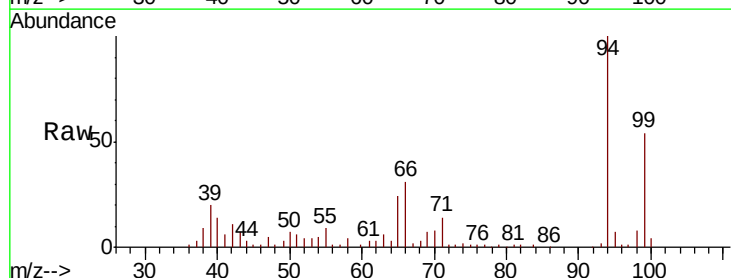
Tgt Ion: 94 Resp: 85900

Ion Ratio Lower Upper

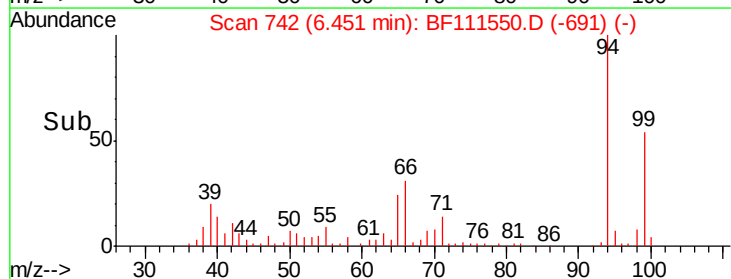
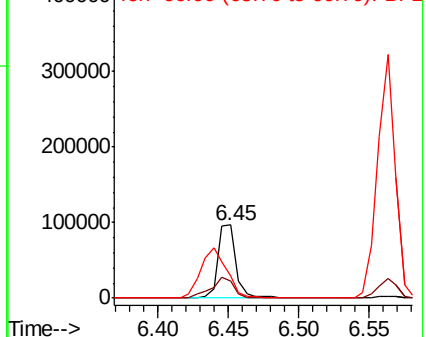
94 100

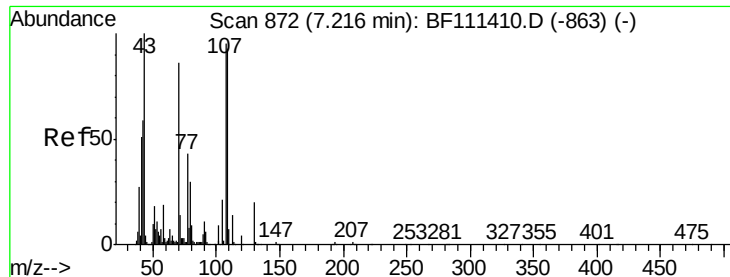
65 23.6 11.7 51.7

66 30.7 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

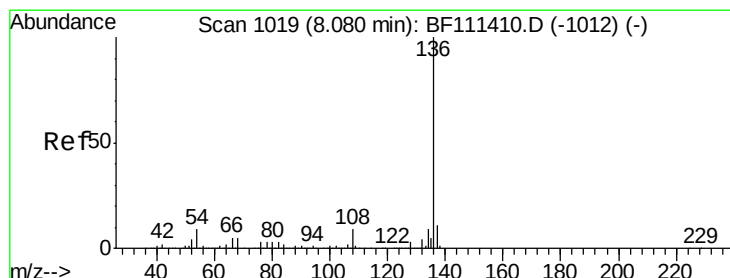
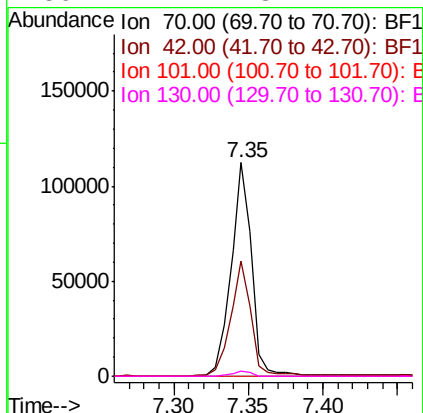
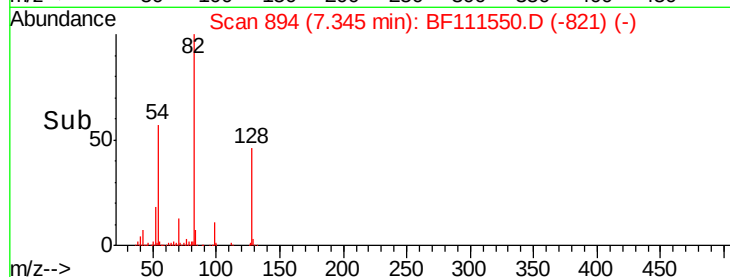
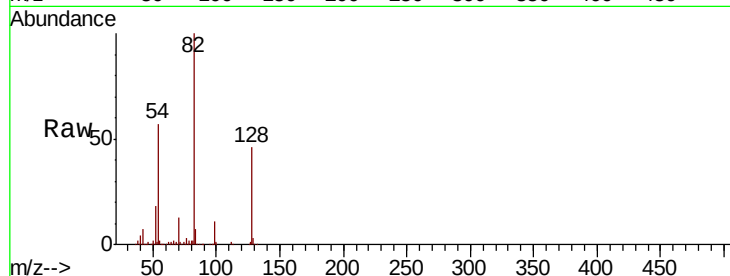




#19
n-Nitroso-di-n-propylamine
Concen: 11.215 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.13 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

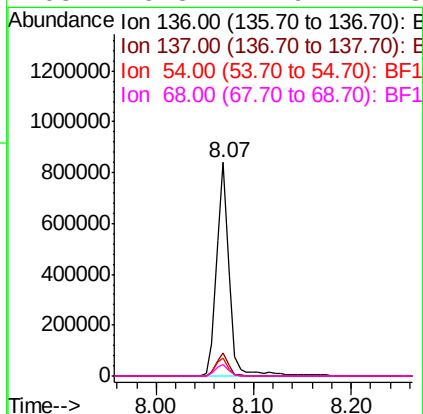
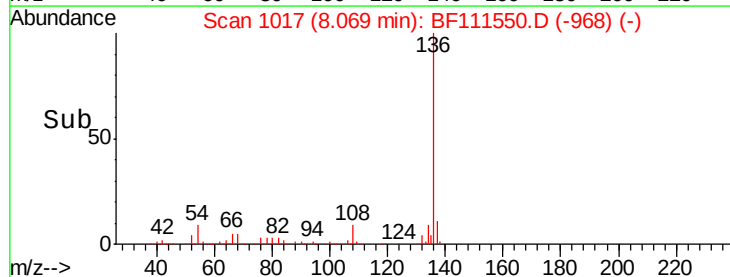
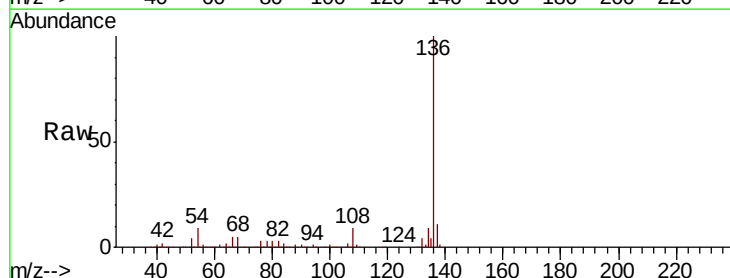
Instrument :
BNA_F
ClientSampleId :
TP-1-B

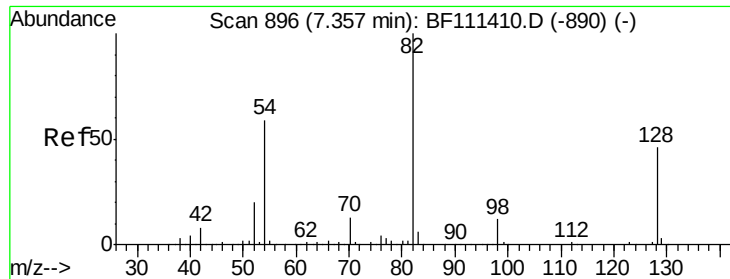
Tgt Ion: 70 Resp: 109707
Ion Ratio Lower Upper
70 100
42 53.9 53.2 79.8
101 0.0 8.2 12.4#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

Tgt Ion: 136 Resp: 754791
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 8.5 7.7 11.5
68 5.3 4.9 7.3

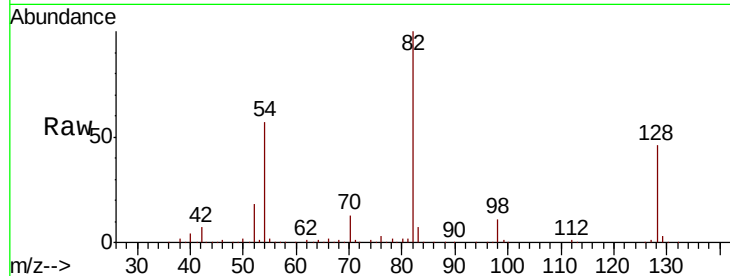




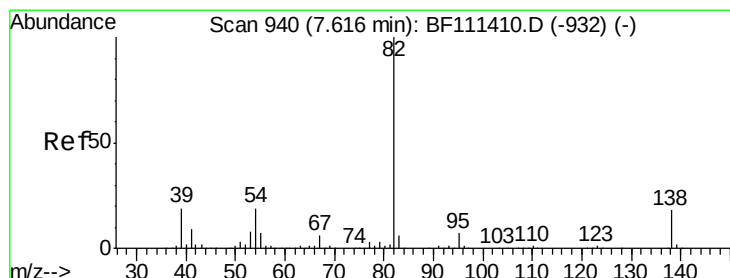
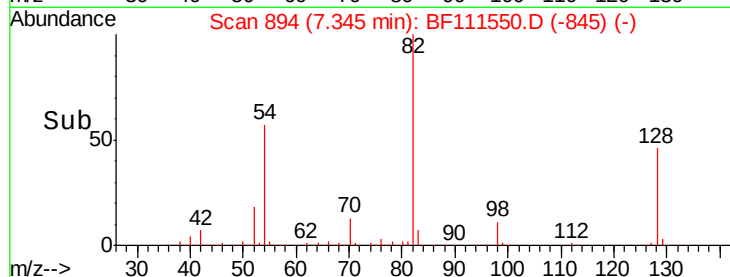
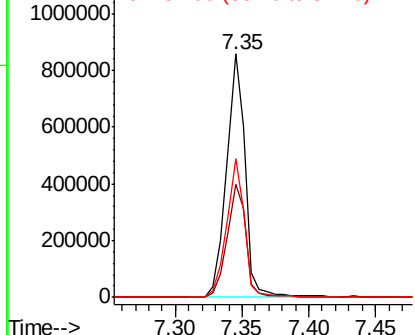
#23
 Nitrobenzene-d5
 Concen: 67.057 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF111550.D
 Acq: 17 Dec 2018 20:26

Instrument :
 BNA_F
 ClientSampled :
 TP-1-B

Tgt Ion: 82 Resp: 849960
 Ion Ratio Lower Upper
 82 100
 128 46.5 37.4 56.2
 54 57.0 47.6 71.4

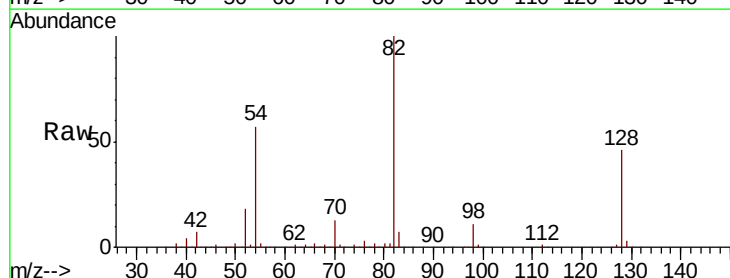


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

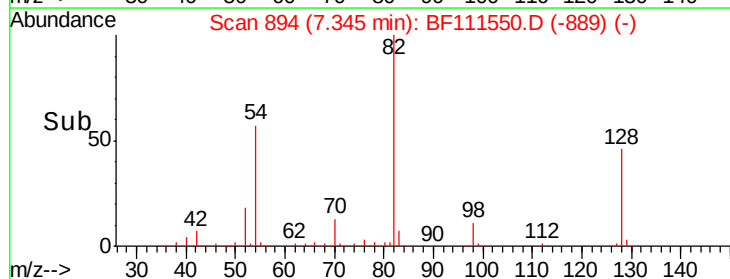
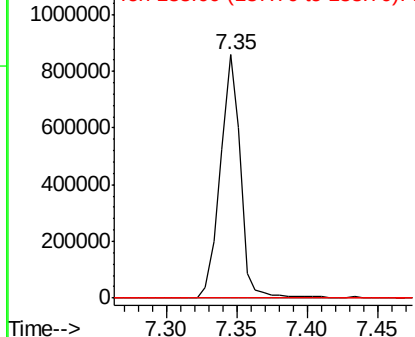


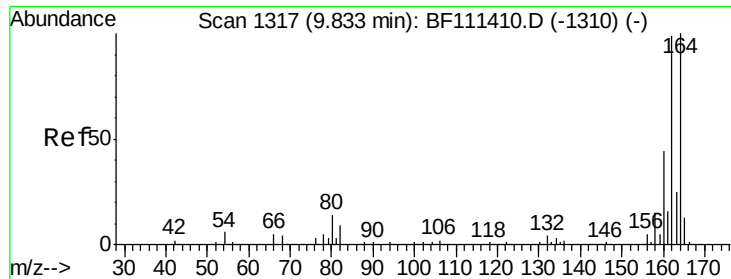
#25
 Isophorone
 Concen: 39.631 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.27 min
 Lab File: BF111550.D
 Acq: 17 Dec 2018 20:26

Tgt Ion: 82 Resp: 849953
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#



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

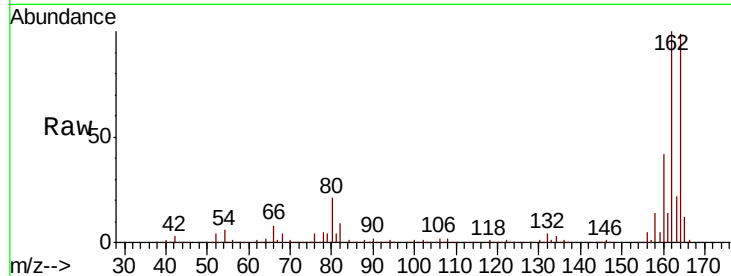




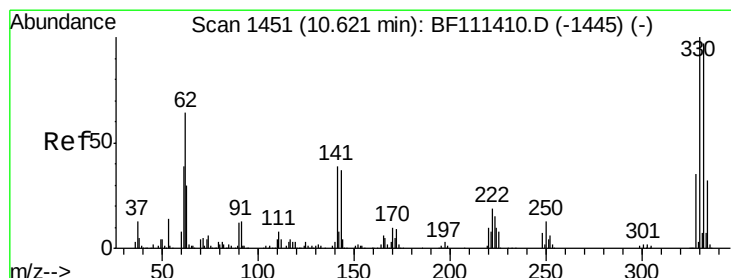
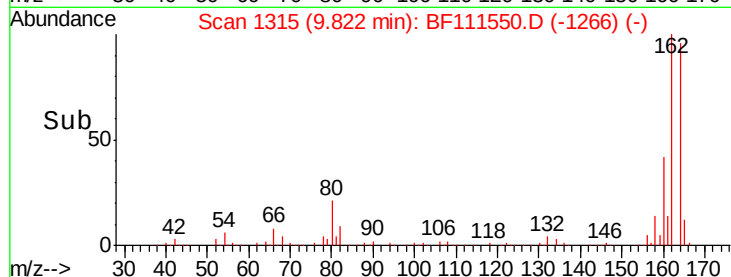
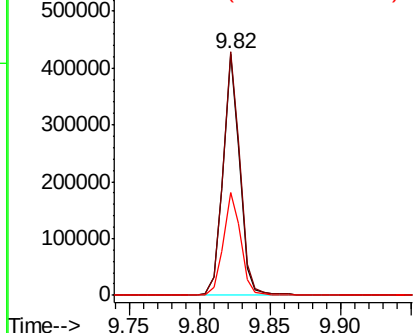
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

Instrument :
BNA_F
ClientSampleId :
TP-1-B

Tgt Ion:164 Resp: 350199
Ion Ratio Lower Upper
164 100
162 100.9 81.4 122.0
160 42.4 35.7 53.5

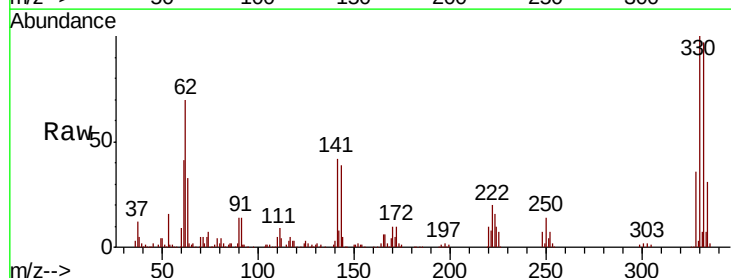


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

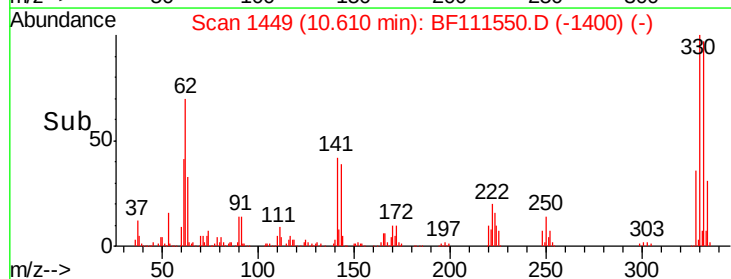
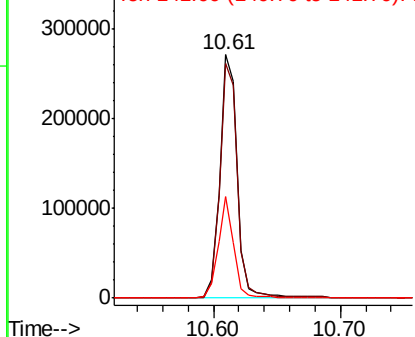


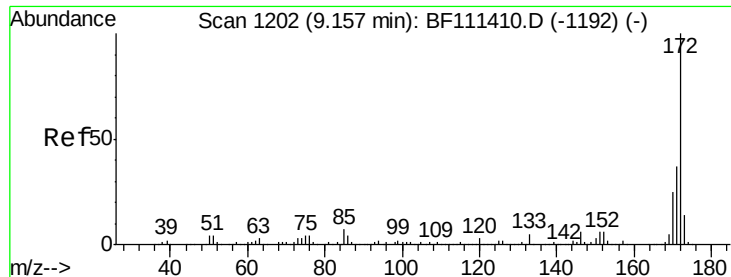
#42
2,4,6-Tribromophenol
Concen: 83.971 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

Tgt Ion:330 Resp: 263421
Ion Ratio Lower Upper
330 100
332 96.9 76.0 114.0
141 37.2 31.0 46.6



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

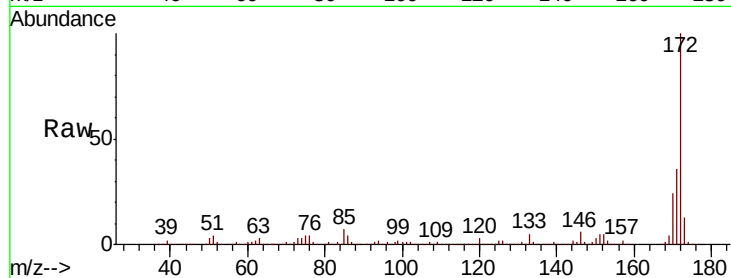




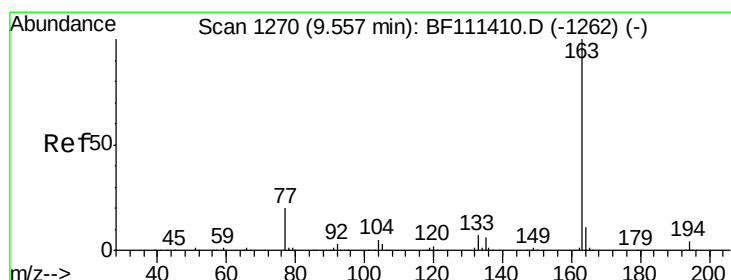
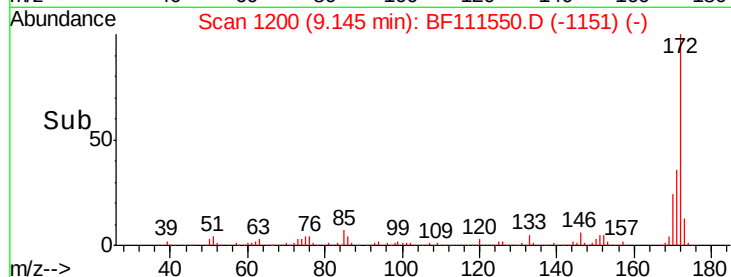
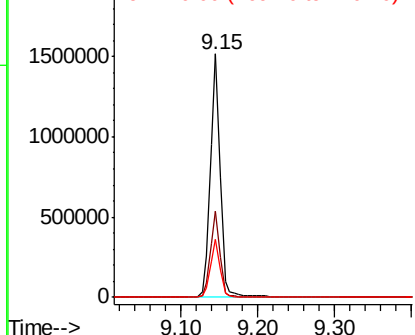
#45
2-Fluorobiphenyl
Concen: 58.975 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

Instrument :
BNA_F
ClientSampleId :
TP-1-B

Tgt Ion:172 Resp: 1337081
Ion Ratio Lower Upper
172 100
171 35.5 33.0 49.4
170 23.8 22.3 33.5

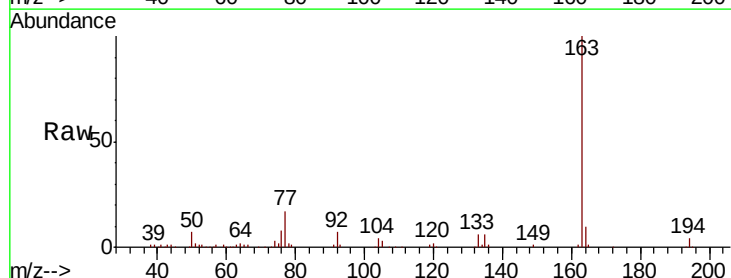


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

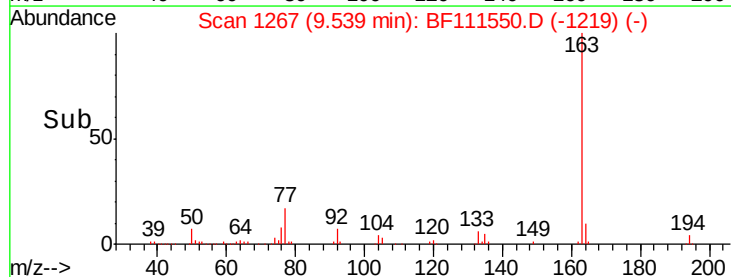
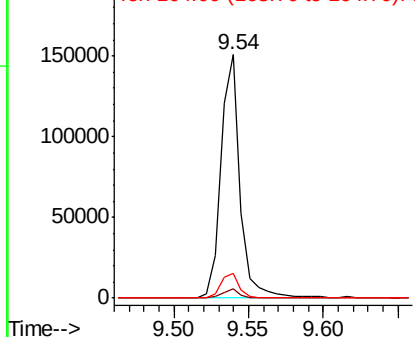


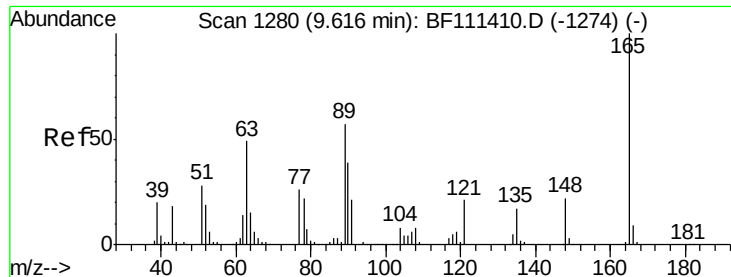
#50
Dimethylphthalate
Concen: 5.400 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

Tgt Ion:163 Resp: 136202
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 9.9 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

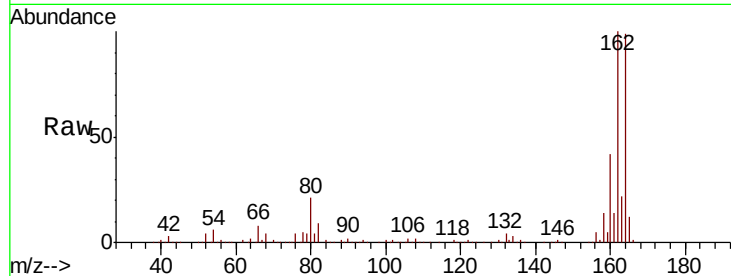




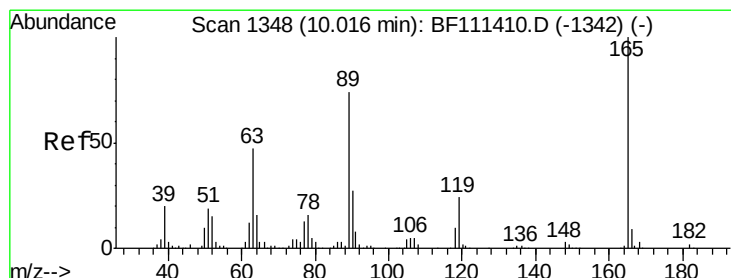
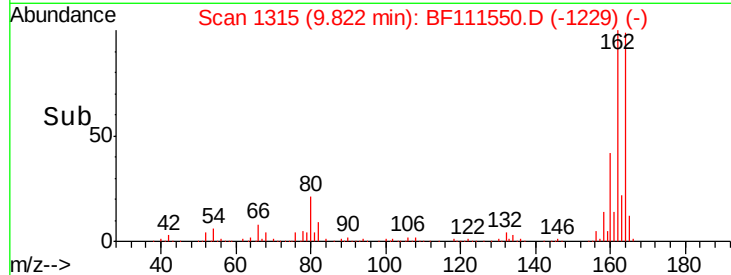
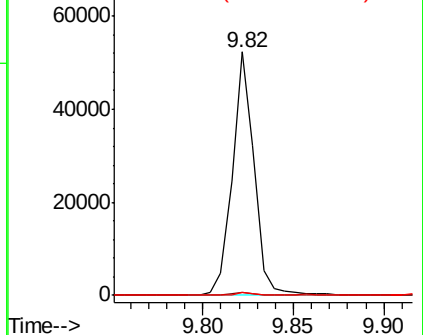
#51
 2,6-Dinitrotoluene
 Concen: 7.723 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.21 min
 Lab File: BF111550.D
 Acq: 17 Dec 2018 20:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.5	60.7#
89	1.0	40.0	60.0#



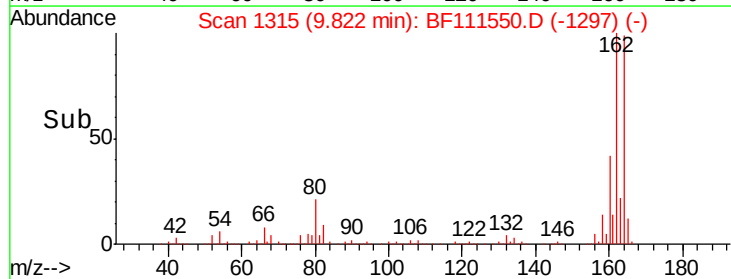
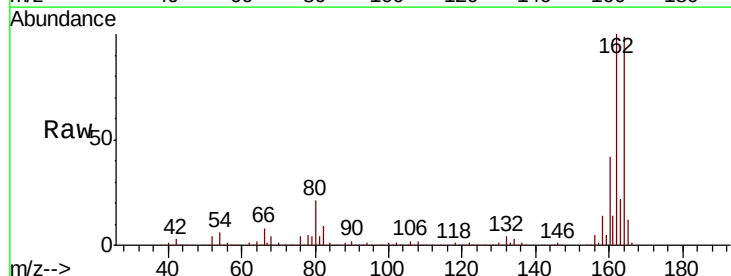
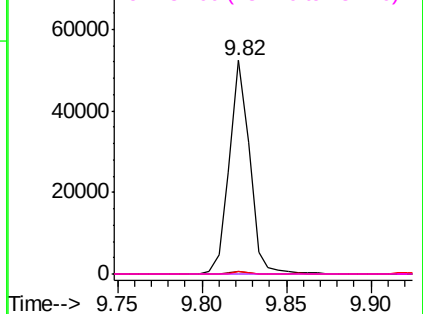
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

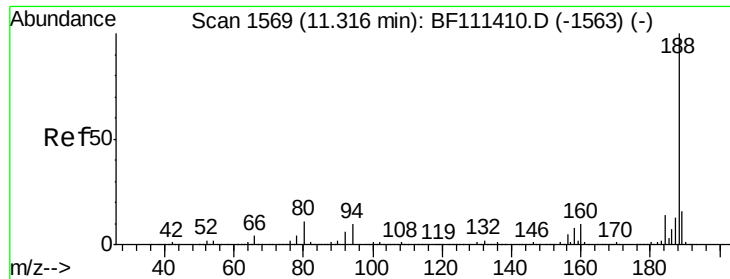


#57
 2,4-Dinitrotoluene
 Concen: 5.884 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.19 min
 Lab File: BF111550.D
 Acq: 17 Dec 2018 20:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.6	52.0#
89	1.0	56.2	84.4#
182	0.0	1.8	2.6#

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

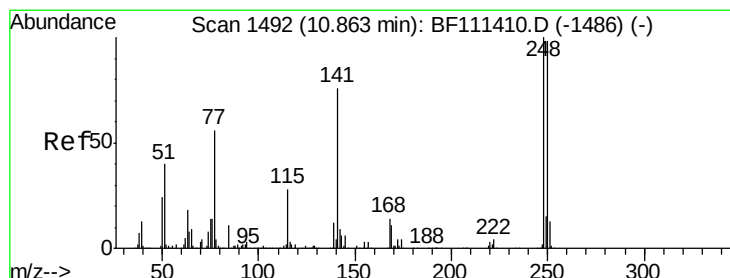
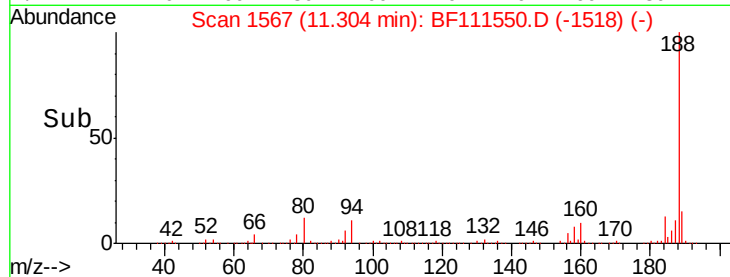
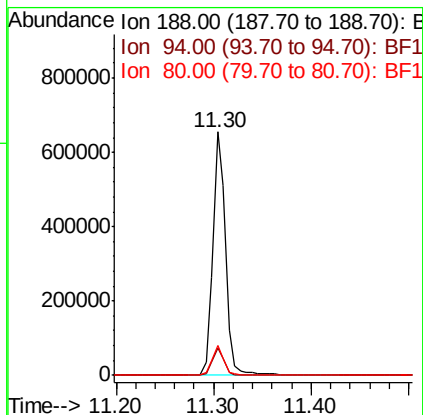
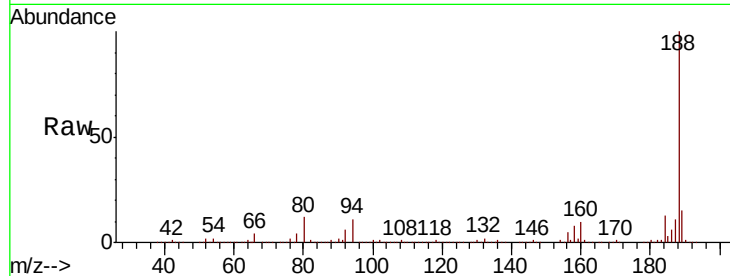




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF111550.D
 Acq: 17 Dec 2018 20:26

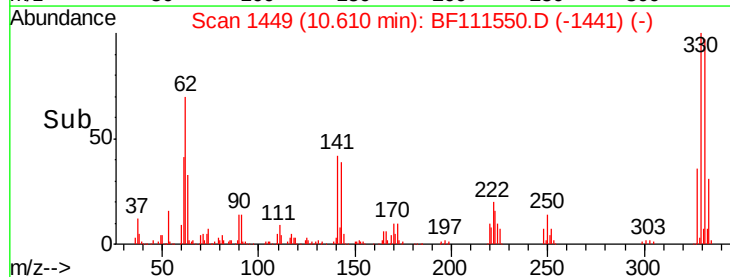
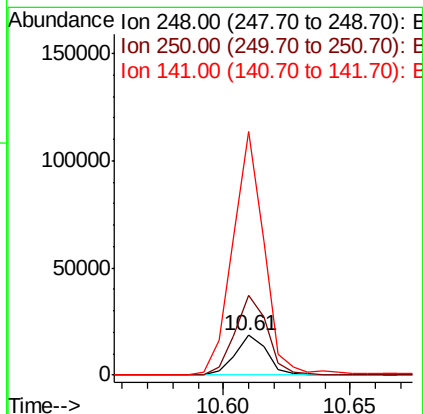
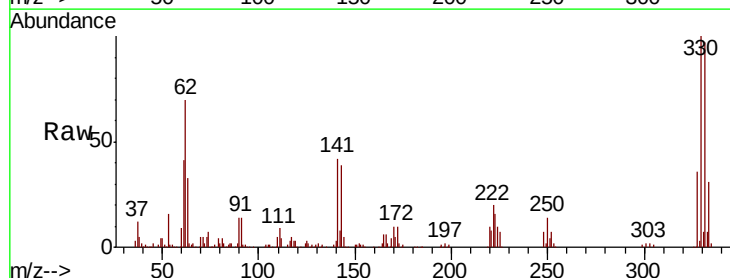
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-B

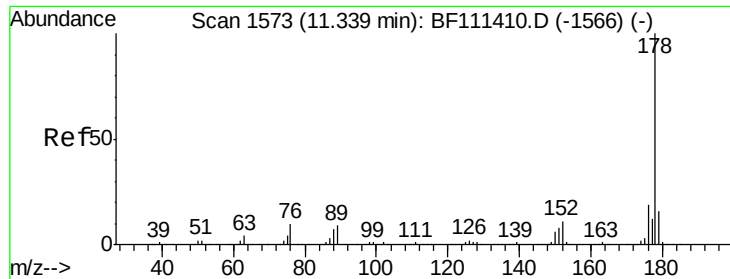
Tgt Ion:188 Resp: 592801
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.6 14.4
 80 12.2 9.8 14.6



#67
 4-Bromophenyl-phenylether
 Concen: 2.591 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.25 min
 Lab File: BF111550.D
 Acq: 17 Dec 2018 20:26

Tgt Ion:248 Resp: 16557
 Ion Ratio Lower Upper
 248 100
 250 198.6 77.0 115.4#
 141 607.7 63.0 94.6#

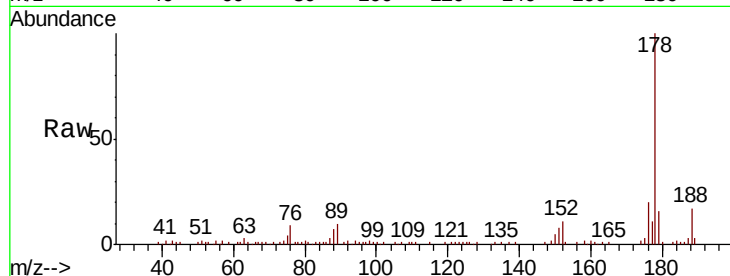




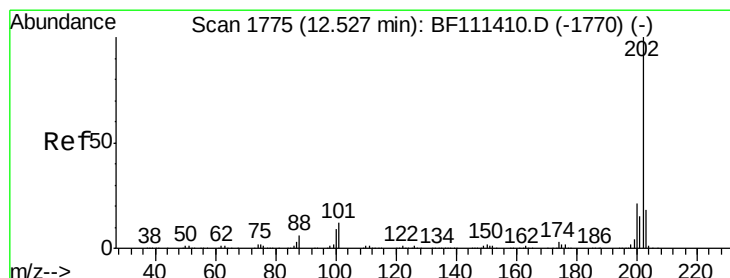
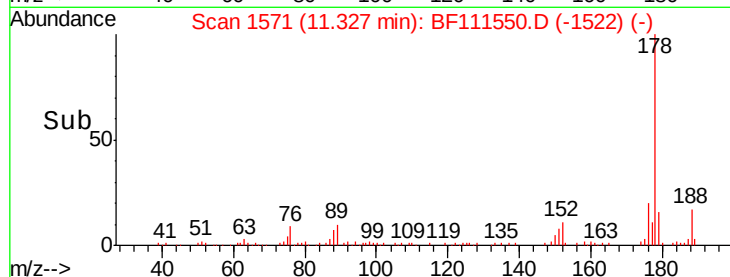
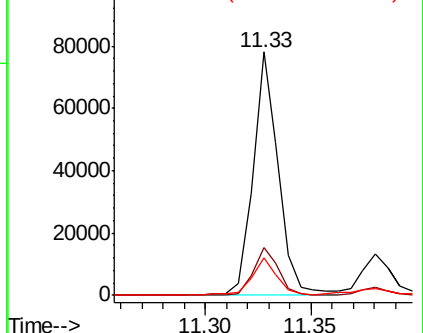
#71
Phenanthrene
Concen: 2.133 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

Instrument :
BNA_F
ClientSampled :
TP-1-B

Tgt Ion:178 Resp: 65146
Ion Ratio Lower Upper
178 100
176 19.6 18.1 27.1
179 15.5 14.0 21.0

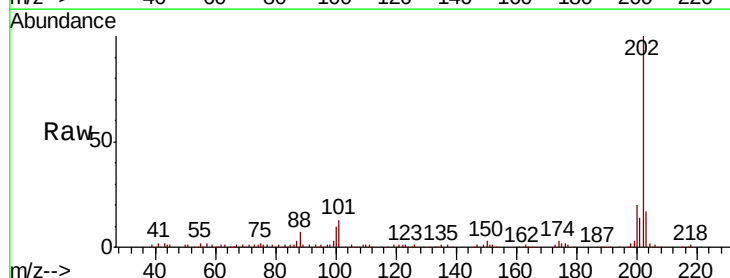


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

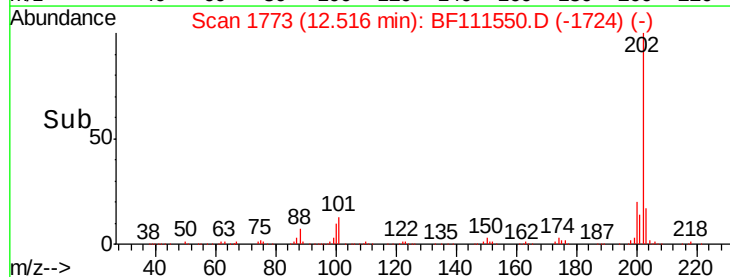
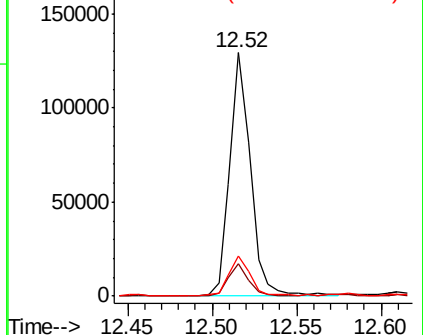


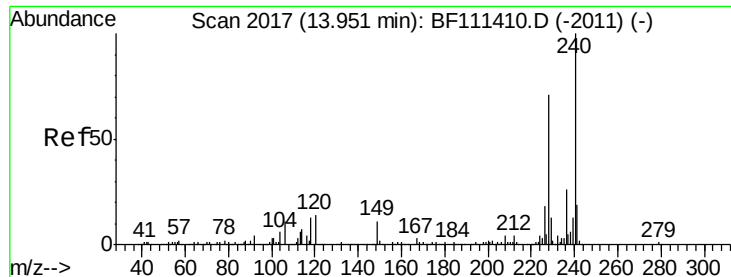
#75
Fluoranthene
Concen: 3.724 ng
RT: 12.52 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

Tgt Ion:202 Resp: 111285
Ion Ratio Lower Upper
202 100
101 13.5 0.0 33.8
203 16.6 0.0 38.6



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: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111550.D

Acq: 17 Dec 2018 20:26

Instrument :

BNA_F

ClientSampled :

TP-1-B

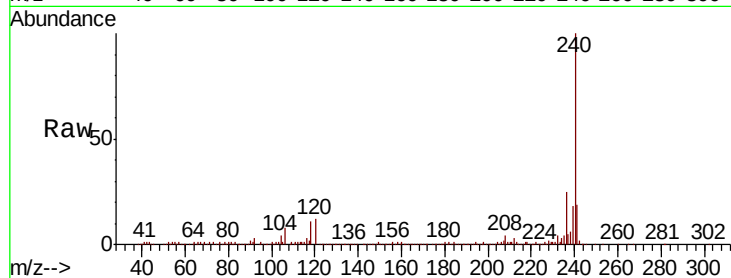
Tgt Ion:240 Resp: 382375

Ion Ratio Lower Upper

240 100

120 11.8 12.2 18.2#

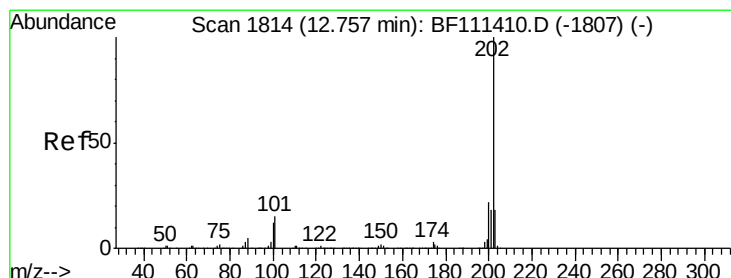
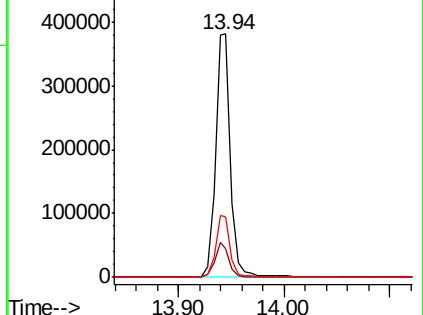
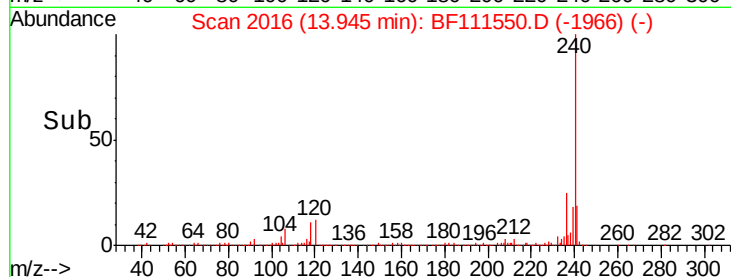
236 25.0 20.2 30.2



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

Pyrene

Concen: 4.062 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF111550.D

Acq: 17 Dec 2018 20:26

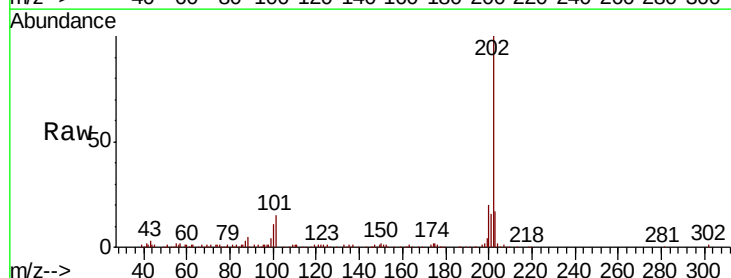
Tgt Ion:202 Resp: 109502

Ion Ratio Lower Upper

202 100

200 20.1 19.0 28.4

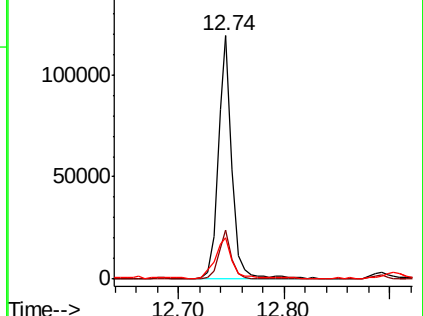
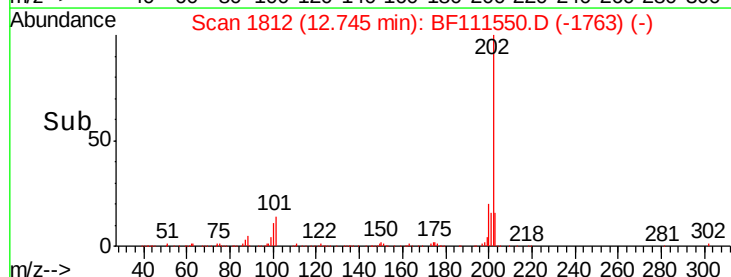
203 16.9 15.2 22.8

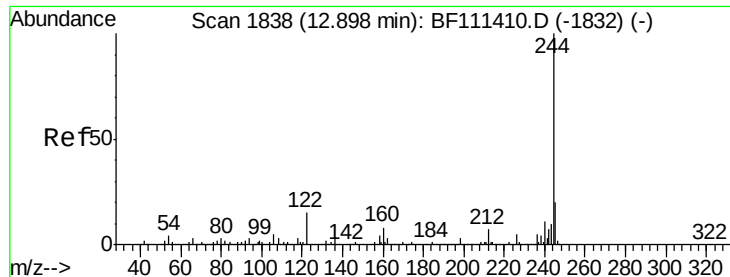


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 58.164 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111550.D

Acq: 17 Dec 2018 20:26

Instrument :

BNA_F

ClientSampled :

TP-1-B

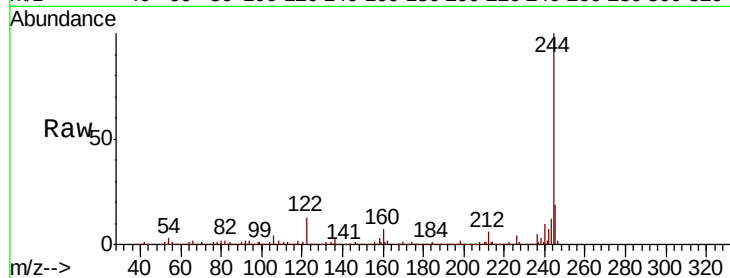
Tgt Ion:244 Resp: 947108

Ion Ratio Lower Upper

244 100

212 6.1 5.7 8.5

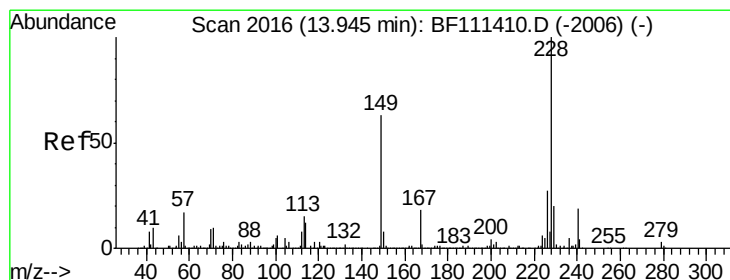
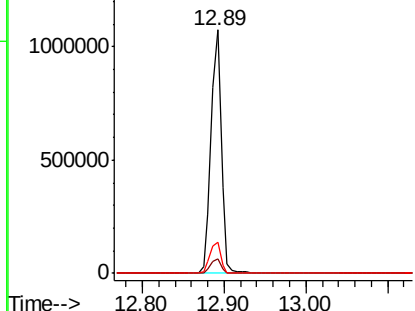
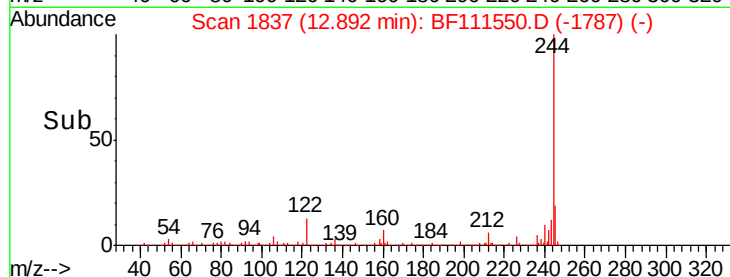
122 13.0 13.1 19.7#



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



#81

Benzo(a)anthracene

Concen: 2.200 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF111550.D

Acq: 17 Dec 2018 20:26

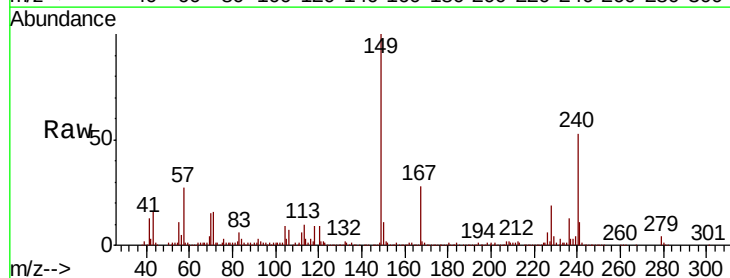
Tgt Ion:228 Resp: 45740

Ion Ratio Lower Upper

228 100

226 28.9 22.6 34.0

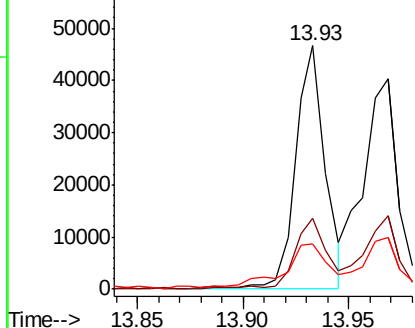
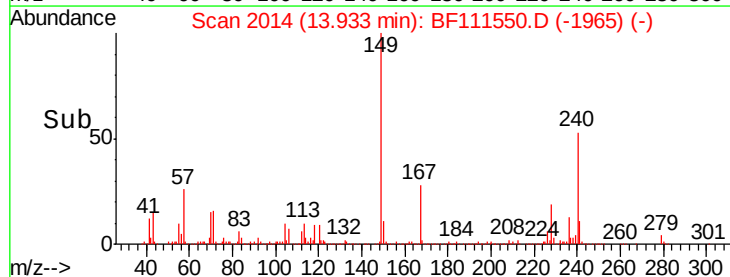
229 18.6 16.3 24.5

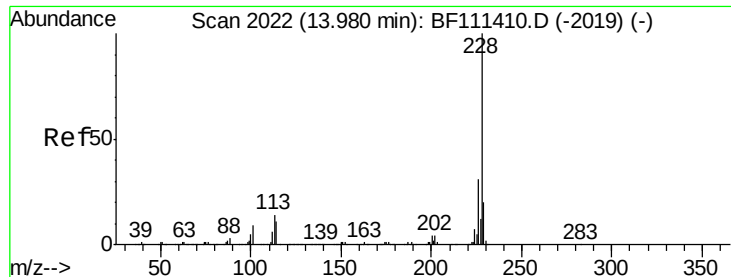


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.176 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF111550.D

Acq: 17 Dec 2018 20:26

Instrument :

BNA_F

ClientSampleId :

TP-1-B

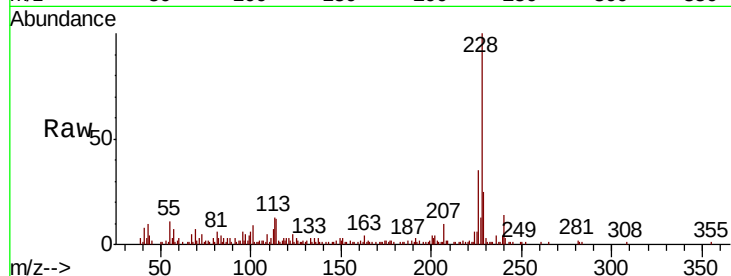
Tgt Ion: 228 Resp: 47661

Ion Ratio Lower Upper

228 100

226 35.2 25.3 37.9

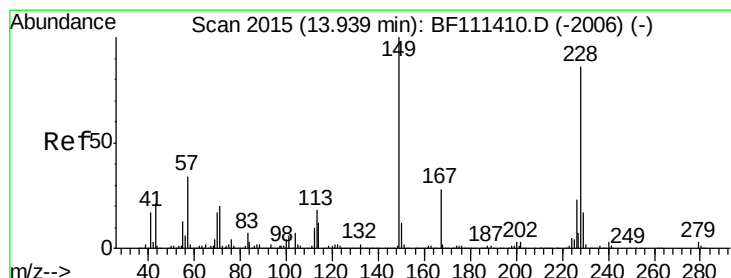
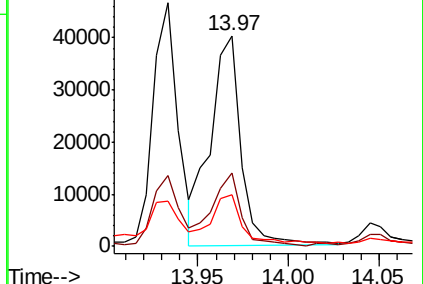
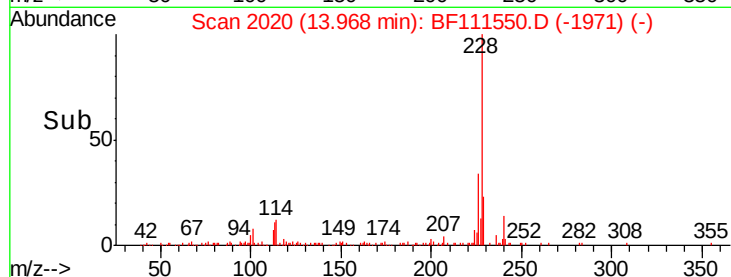
229 24.7 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 17.640 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF111550.D

Acq: 17 Dec 2018 20:26

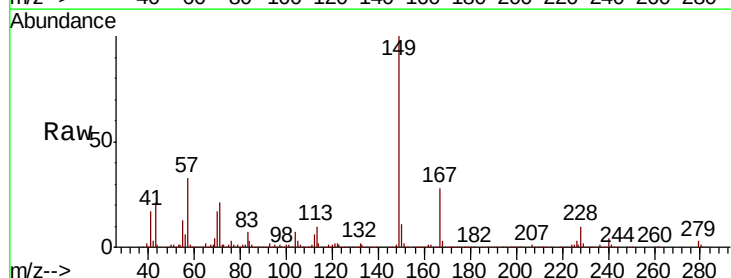
Tgt Ion: 149 Resp: 296060

Ion Ratio Lower Upper

149 100

167 27.6 22.5 33.7

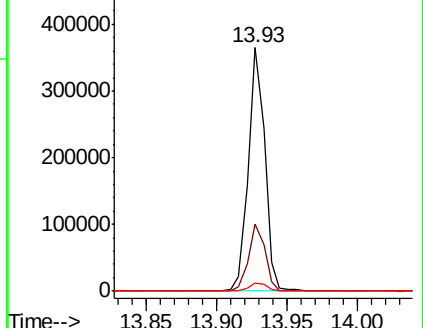
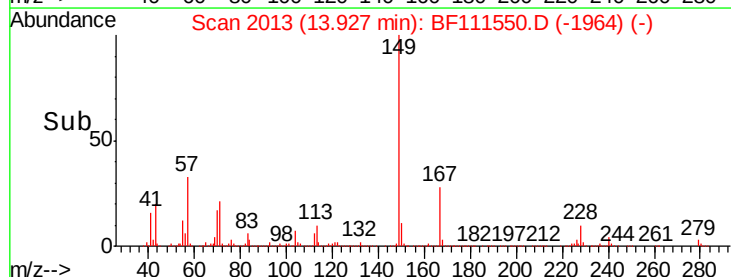
279 3.2 2.6 4.0

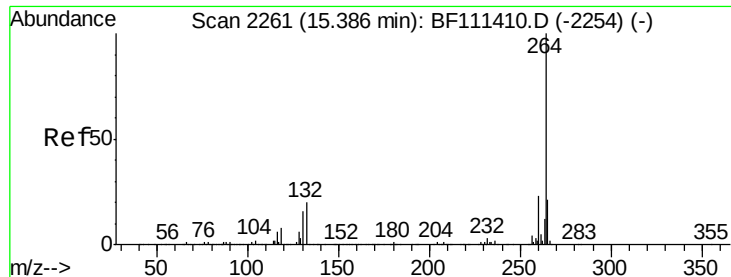


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

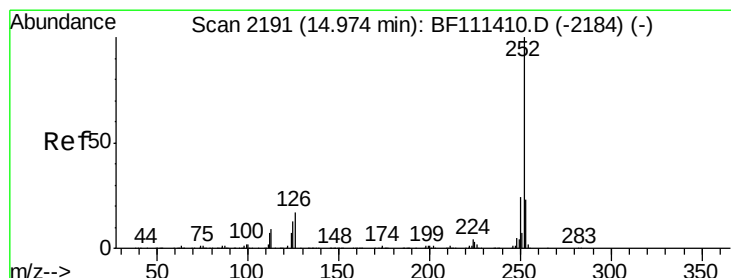
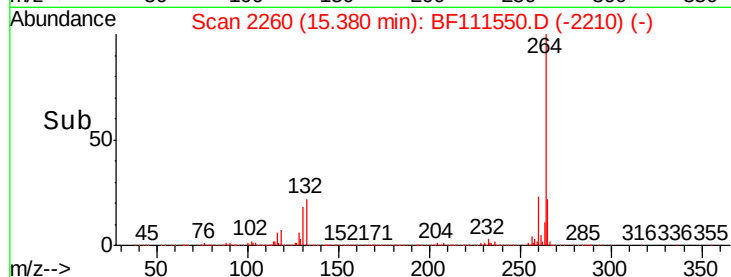
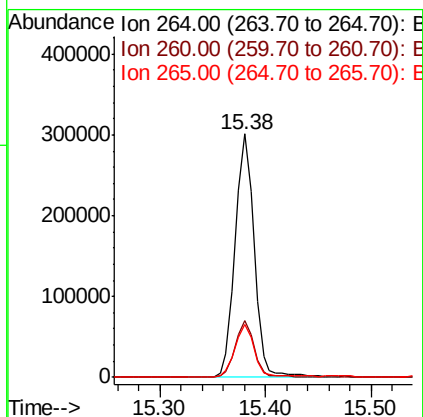
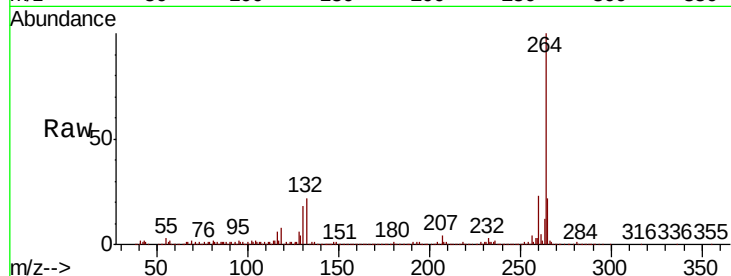




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

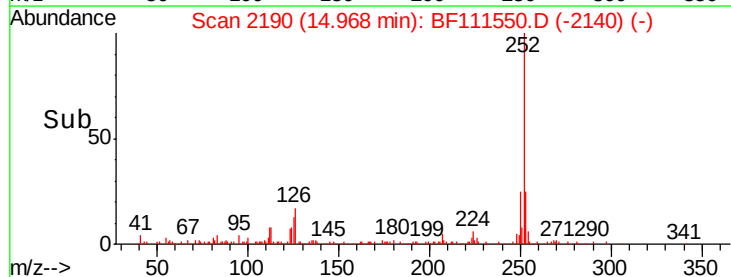
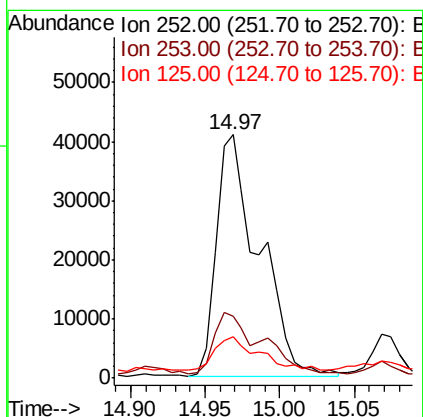
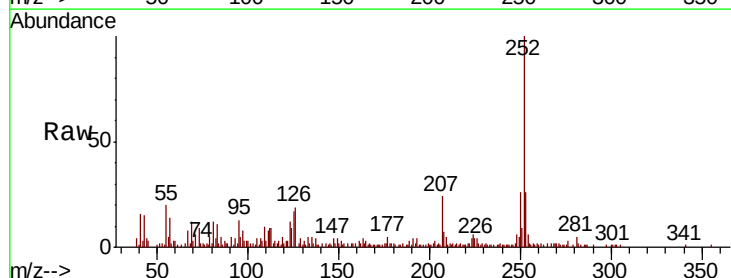
Instrument :
BNA_F
ClientSampleId :
TP-1-B

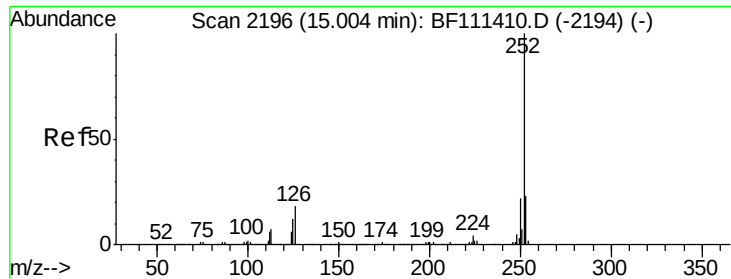
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.8	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 3.699 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.2
125	17.0	10.4	15.6

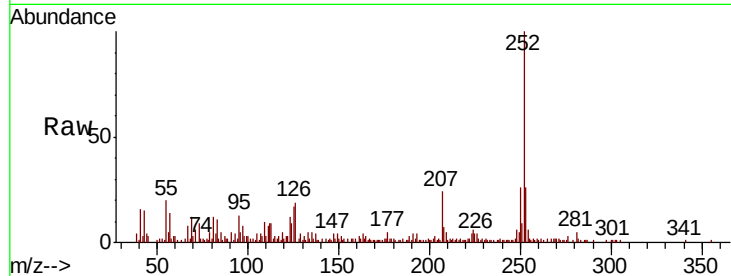




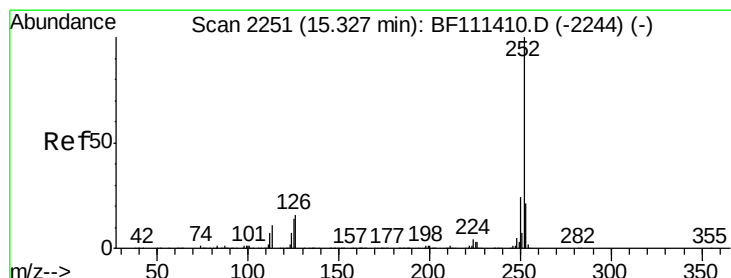
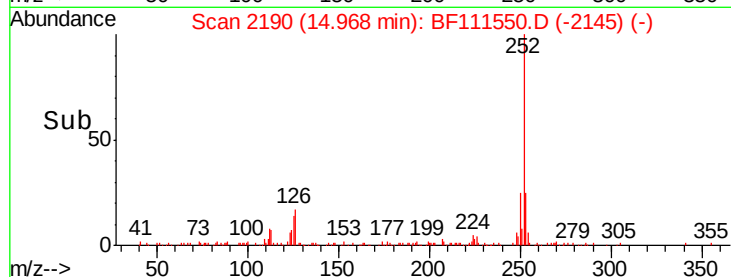
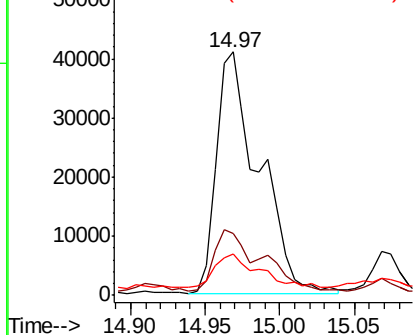
#89
Benzo(k)fluoranthene
Concen: 3.871 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

Instrument :
BNA_F
ClientSampled :
TP-1-B

Tgt Ion:252 Resp: 80963
Ion Ratio Lower Upper
252 100
253 25.6 18.1 27.1
125 17.0 9.8 14.8#

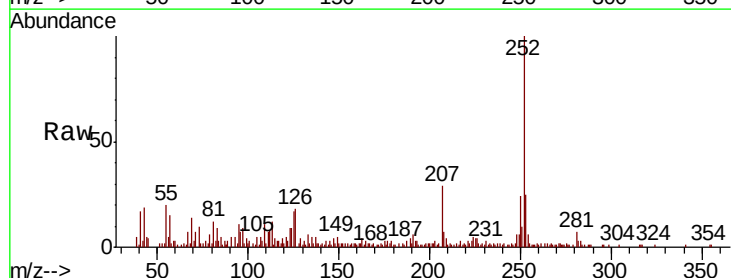


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.231 ng
RT: 15.32 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF111550.D
Acq: 17 Dec 2018 20:26

Tgt Ion:252 Resp: 44030
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 17.1 12.3 18.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

