

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111538.D
 Acq On : 17 Dec 2018 14:39
 Operator : JU/SJ
 Sample : J6386-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS007-0006-01

Quant Time: Dec 18 04:08:41 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	176189	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	673526	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	285771	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	430448	20.00	ng	0.00
76) Chrysene-d12	13.94	240	465065	20.00	ng	0.00
87) Perylene-d12	15.39	264	384822	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	915299	86.45	ng	0.00
7) Phenol-d6	6.44	99	1224146	86.92	ng	0.00
23) Nitrobenzene-d5	7.35	82	764180	67.56	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	195027	76.19	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1110751	60.04	ng	-0.01
79) Terphenyl-d14	12.89	244	934489	47.18	ng	0.00

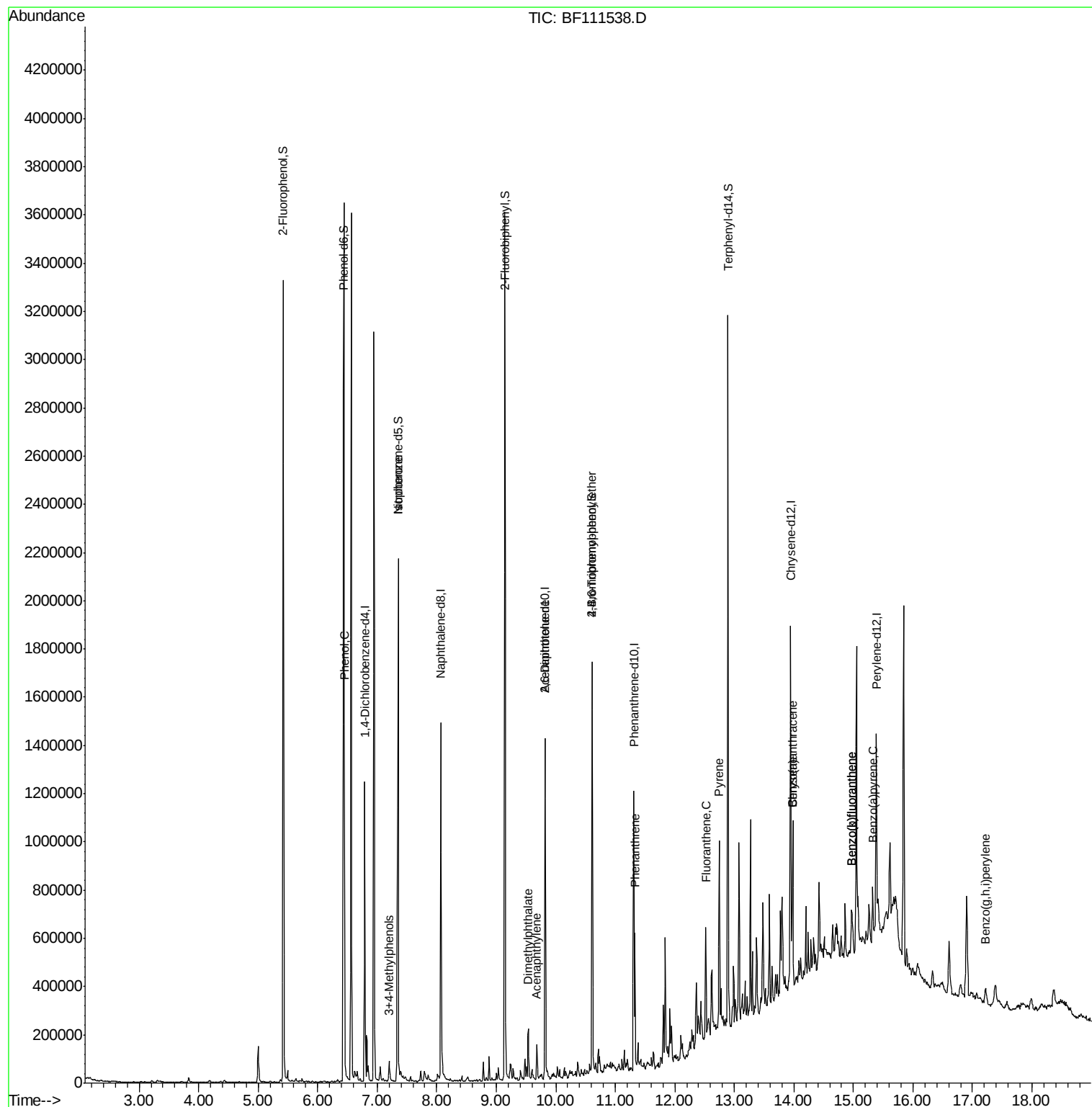
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	107532	6.854	ng	92
20) 3+4-Methylphenols	7.20	107	27701	2.169	ng	# 58
25) Isophorone	7.35	82	764171	39.930	ng	# 64
49) Acenaphthylene	9.69	152	58044	2.125	ng	94
50) Dimethylphthalate	9.54	163	78623	3.820	ng	98
51) 2,6-Dinitrotoluene	9.82	165	37035	7.995	ng	# 29
67) 4-Bromophenyl-phenylether	10.62	248	12997	2.801	ng	# 1
71) Phenanthrene	11.33	178	222619	10.037	ng	94
75) Fluoranthene	12.52	202	187094	8.622	ng	96
78) Pyrene	12.75	202	314373	9.588	ng	92
81) Benzo(a)anthracene	13.97	228	114833	4.541	ng	99
83) Chrysene	13.97	228	114833	4.311	ng	96
88) Benzo(b)fluoranthene	14.97	252	120880	5.388	ng	# 95
89) Benzo(k)fluoranthene	14.97	252	120880	5.639	ng	# 94
90) Benzo(a)pyrene	15.32	252	85706	4.236	ng	97
92) Benzo(g,h,i)perylene	17.23	276	45086	2.878	ng	96

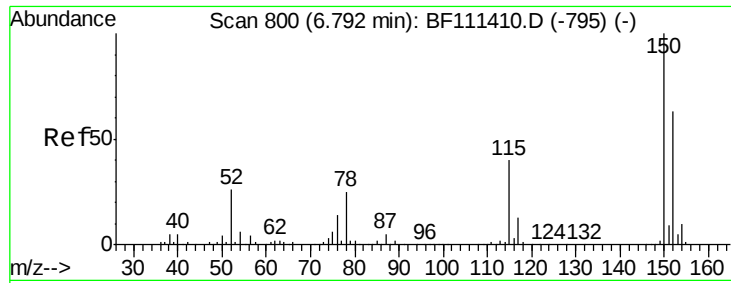
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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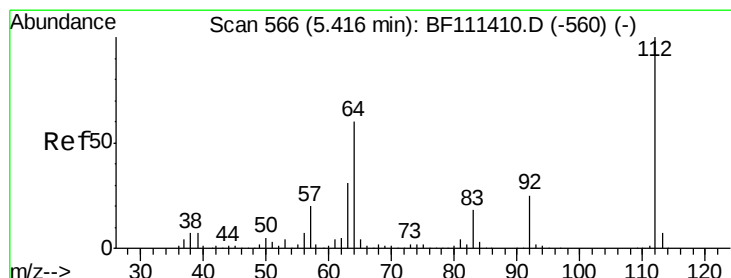
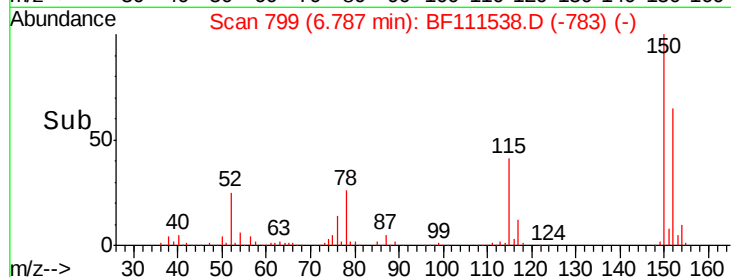
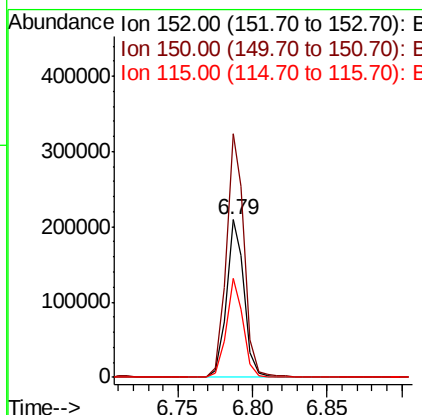
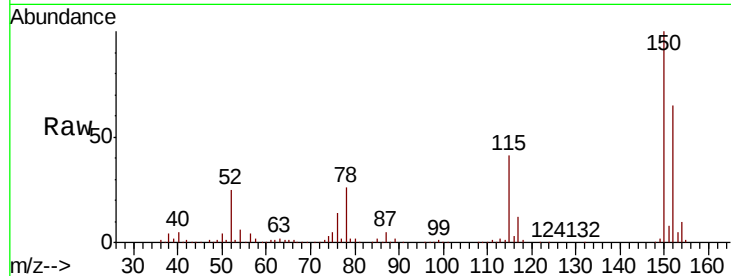




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF111538.D
 Acq: 17 Dec 2018 14:39

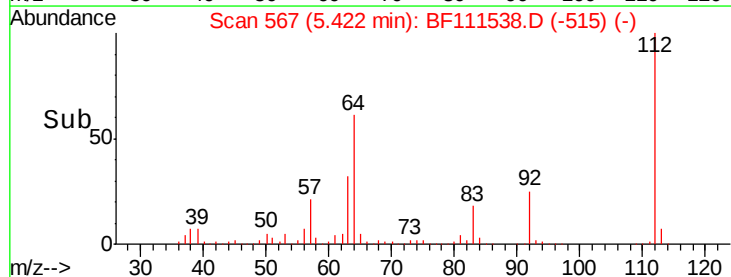
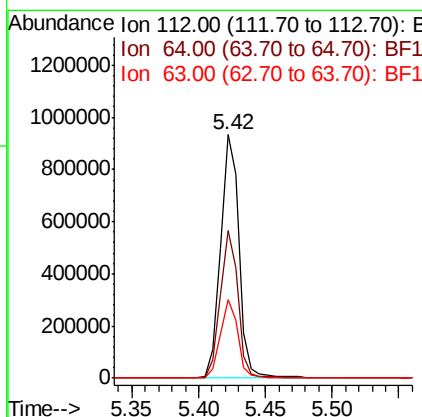
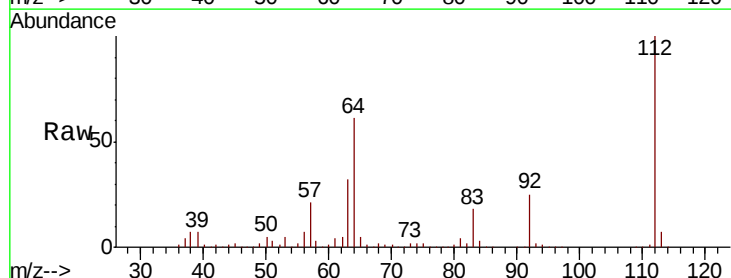
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS007-0006-01

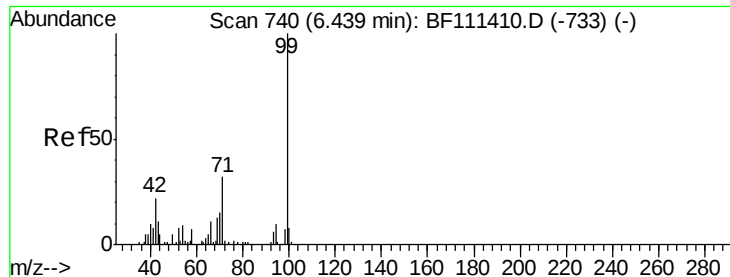
Tgt Ion:152 Resp: 176189
 Ion Ratio Lower Upper
 152 100
 150 154.8 126.6 189.8
 115 62.9 50.7 76.1



#5
 2-Fluorophenol
 Concen: 86.448 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111538.D
 Acq: 17 Dec 2018 14:39

Tgt Ion:112 Resp: 915299
 Ion Ratio Lower Upper
 112 100
 64 60.5 51.8 77.6
 63 32.0 26.8 40.2





#7

Phenol-d6

Concen: 86.919 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111538.D

Acq: 17 Dec 2018 14:39

Instrument :

BNA_F

ClientSampleId :

P001-SS007-0006-01

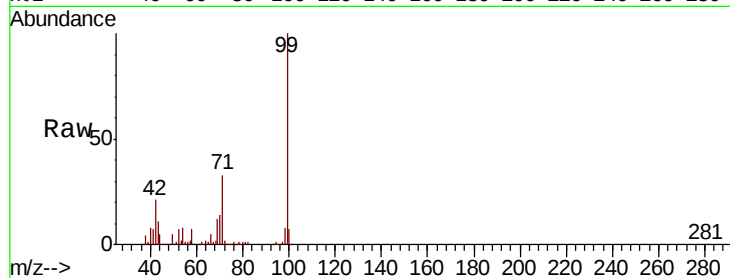
Tgt Ion: 99 Resp: 1224146

Ion Ratio Lower Upper

99 100

42 20.8 17.4 26.0

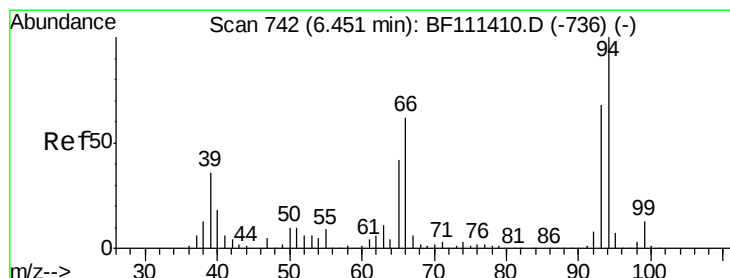
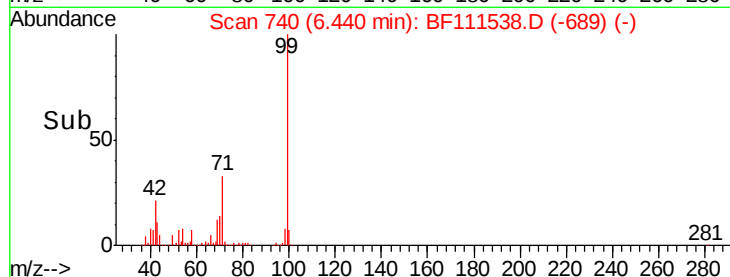
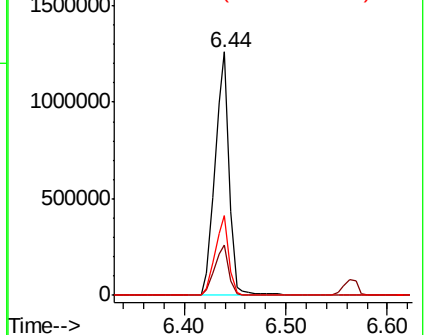
71 32.6 26.1 39.1



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: 6.854 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111538.D

Acq: 17 Dec 2018 14:39

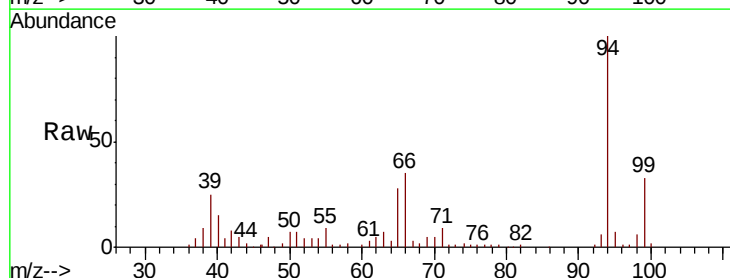
Tgt Ion: 94 Resp: 107532

Ion Ratio Lower Upper

94 100

65 27.9 11.7 51.7

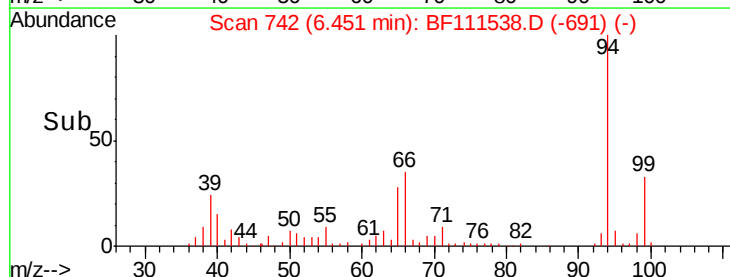
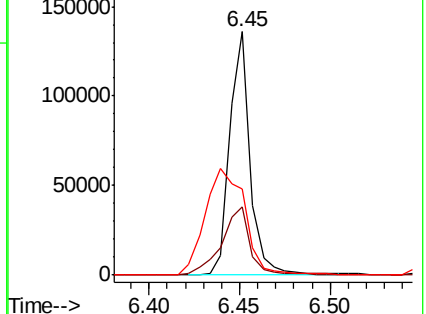
66 35.4 21.0 61.0

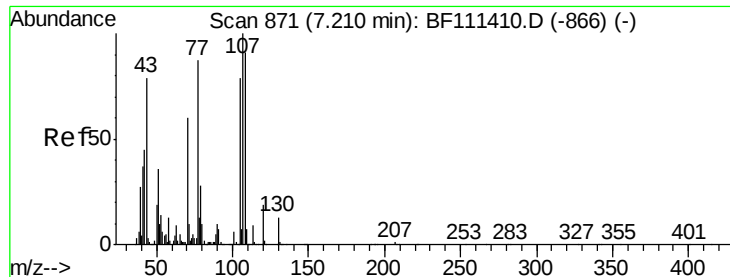


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

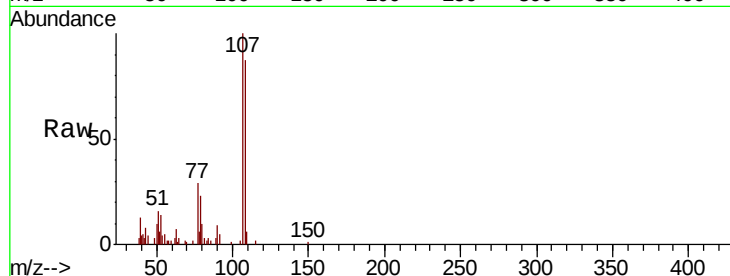




#20
3+4-Methylphenols
Concen: 2.169 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

Instrument :
BNA_F
ClientSampleId :
P001-SS007-0006-01

Tgt Ion:	107	Resp:	27701
Ion	Ratio	Lower	Upper
107	100		
108	86.9	72.1	112.1
77	29.2	94.1	134.1#
79	23.1	9.8	49.8



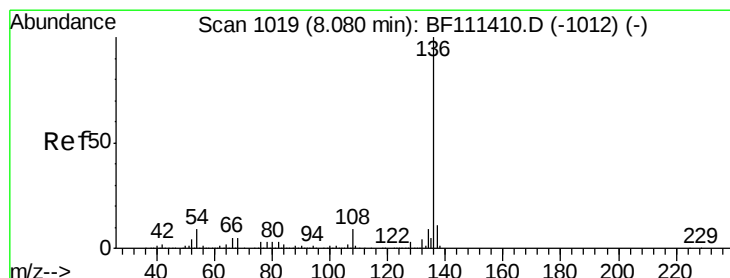
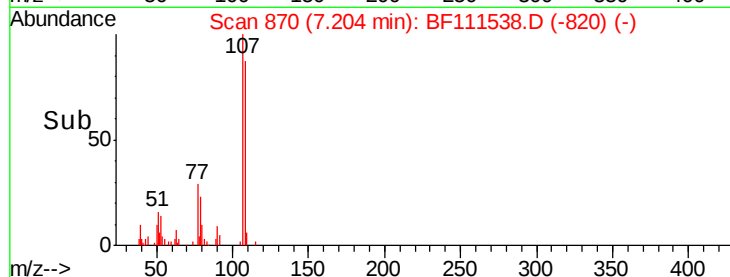
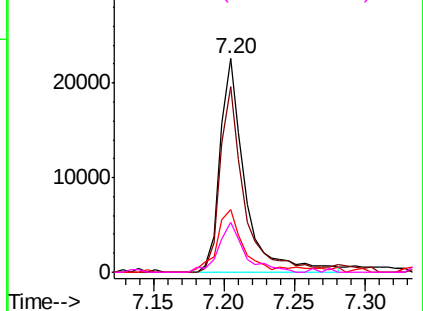
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

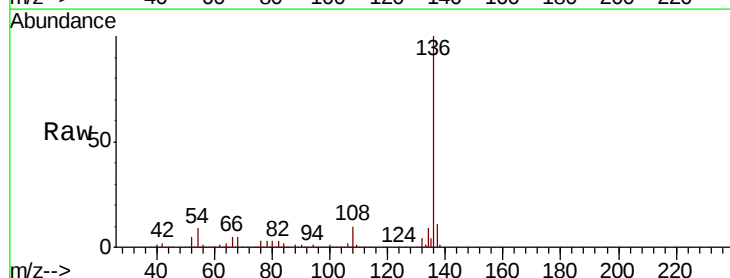
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

Tgt Ion:	136	Resp:	673526
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	9.1	7.7	11.5
68	4.8	4.9	7.3#



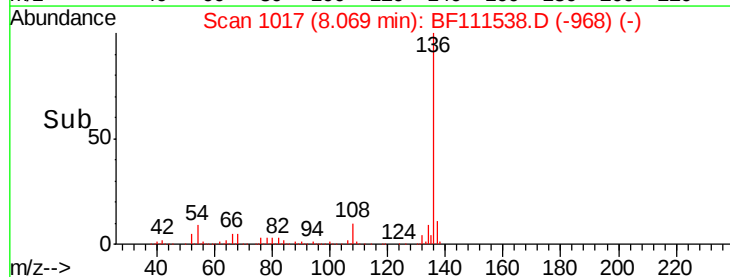
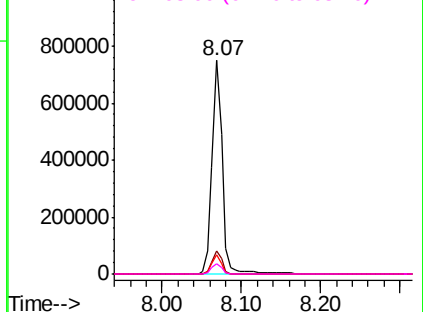
Abundance

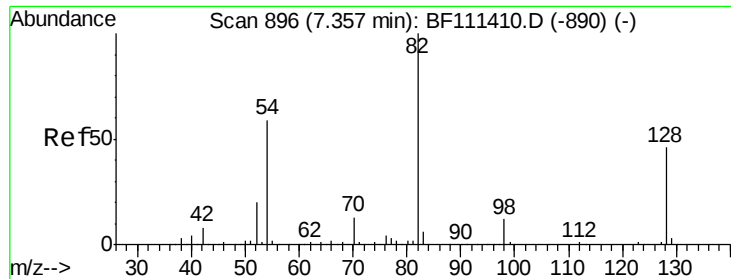
Ion 136.00 (135.70 to 136.70): E

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

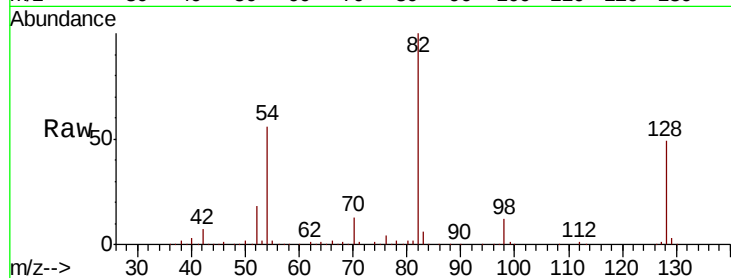




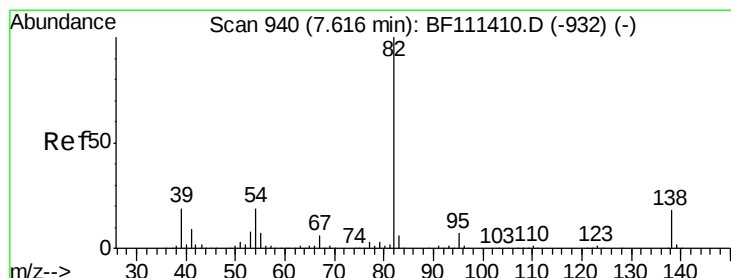
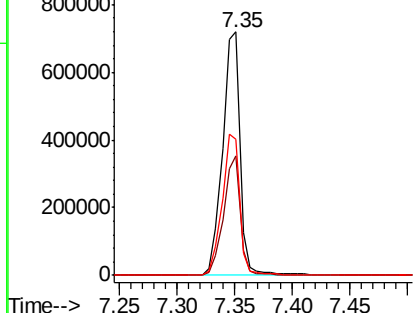
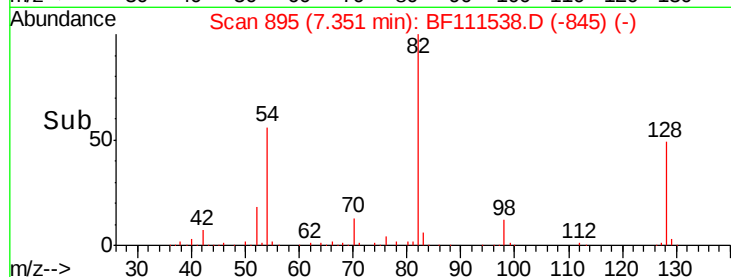
#23
Nitrobenzene-d5
Concen: 67.564 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

Instrument :
BNA_F
ClientSampleId :
P001-SS007-0006-01

Tgt Ion: 82 Resp: 764180
Ion Ratio Lower Upper
82 100
128 49.3 37.4 56.2
54 56.0 47.6 71.4

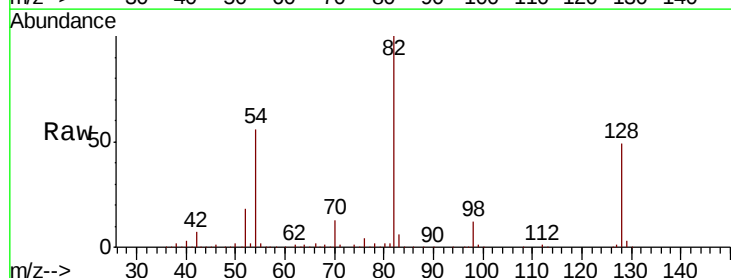


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

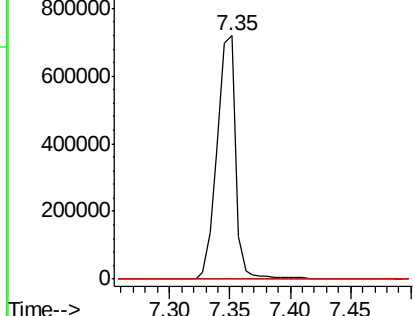
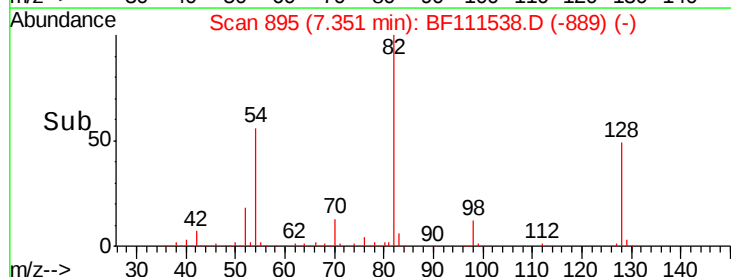


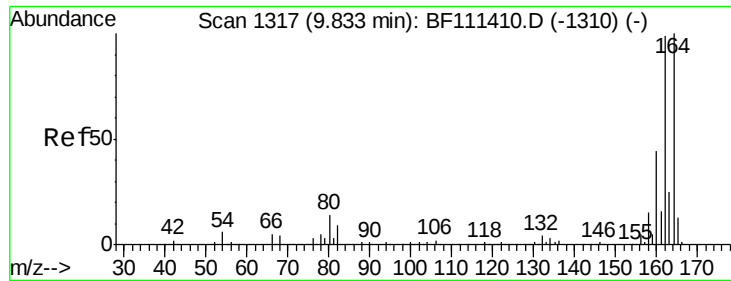
#25
Isophorone
Concen: 39.930 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

Tgt Ion: 82 Resp: 764171
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

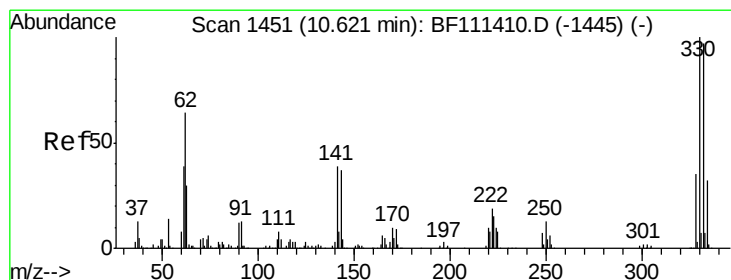
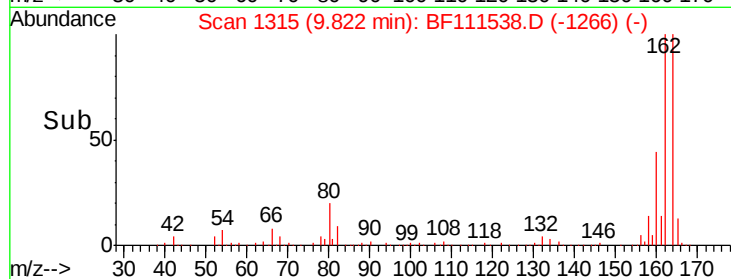
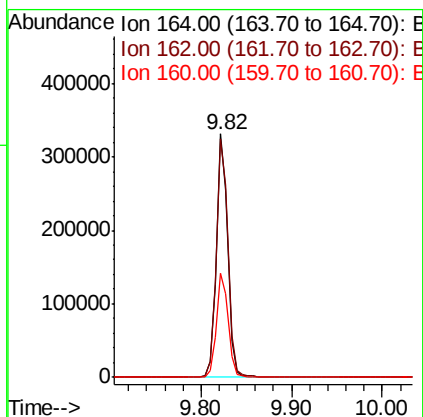
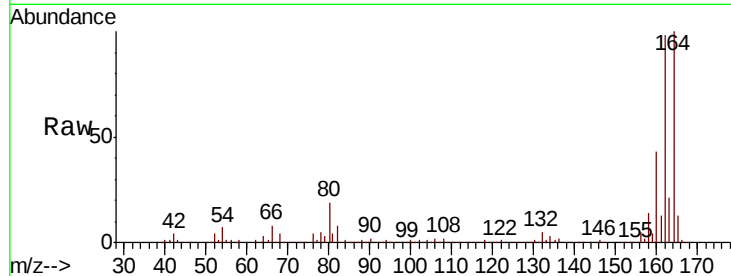




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

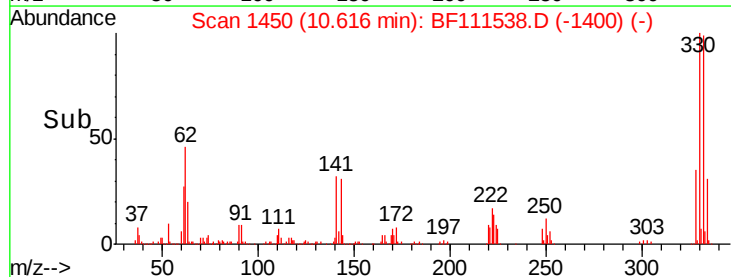
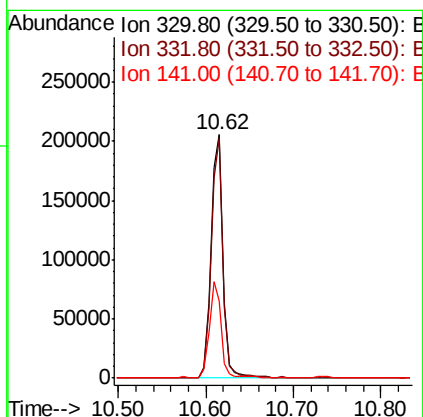
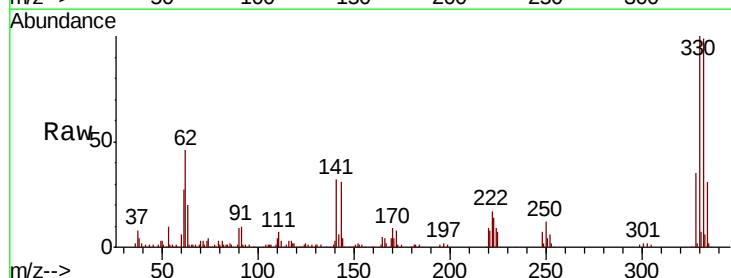
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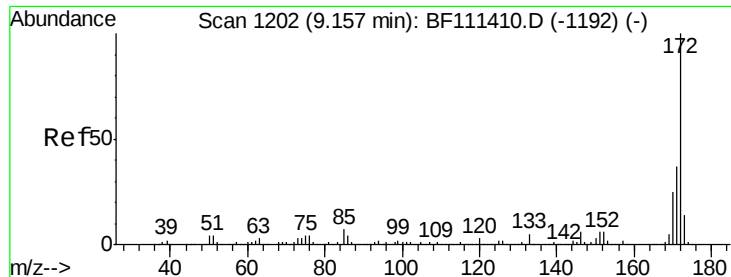
Tgt Ion:164 Resp: 285771
Ion Ratio Lower Upper
164 100
162 97.9 81.4 122.0
160 42.7 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 76.185 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

Tgt Ion:330 Resp: 195027
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 38.3 31.0 46.6

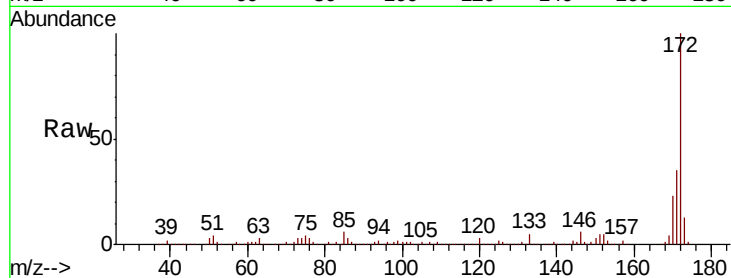




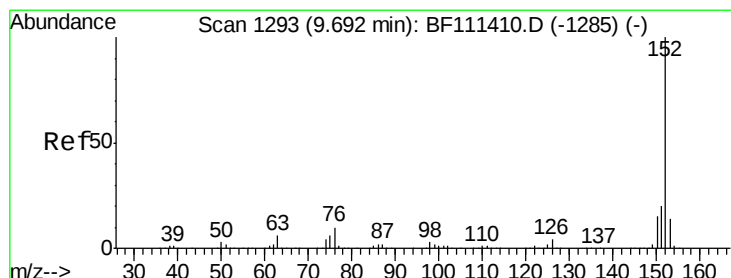
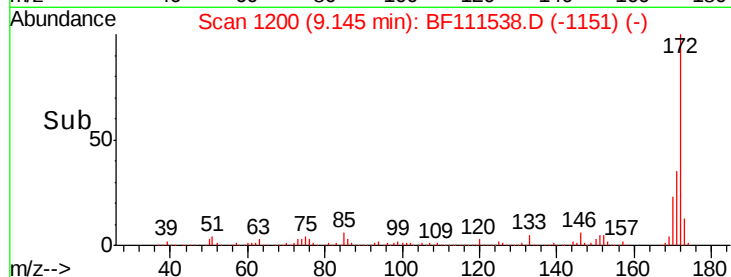
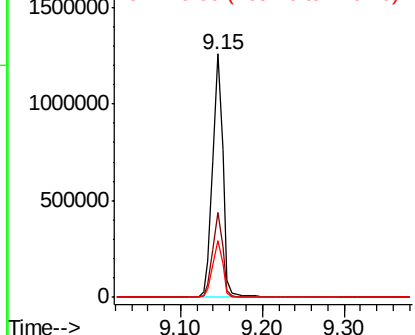
#45
2-Fluorobiphenyl
Concen: 60.038 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

Instrument :
BNA_F
ClientSampleId :
P001-SS007-0006-01

Tgt Ion:172 Resp: 1110751
Ion Ratio Lower Upper
172 100
171 34.7 33.0 49.4
170 23.5 22.3 33.5

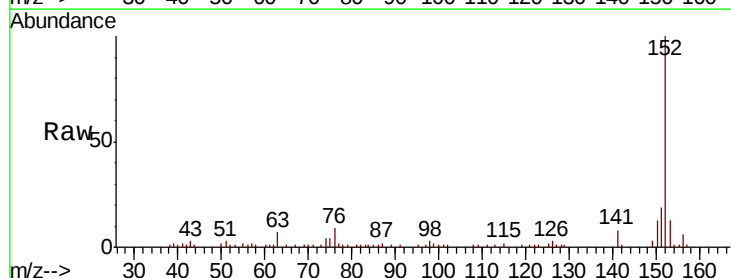


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

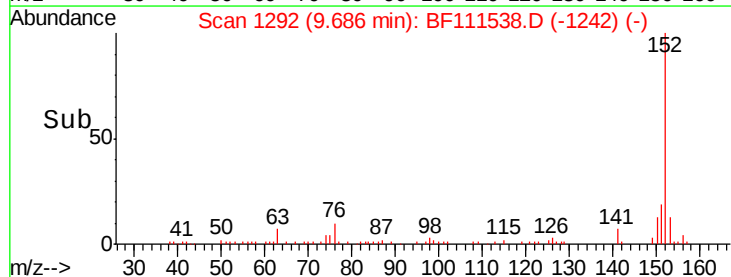
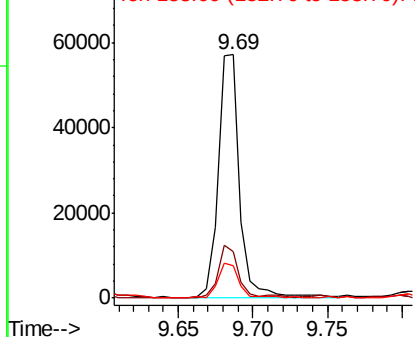


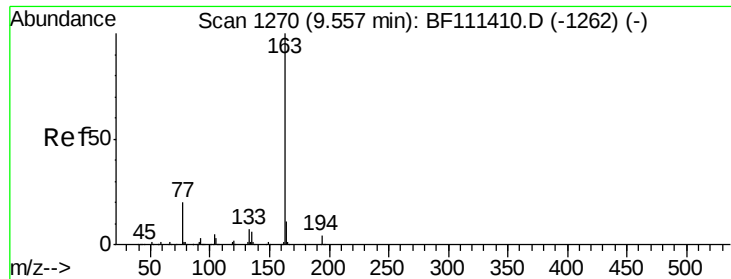
#49
Acenaphthylene
Concen: 2.125 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

Tgt Ion:152 Resp: 58044
Ion Ratio Lower Upper
152 100
151 19.1 18.0 27.0
153 13.4 12.3 18.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

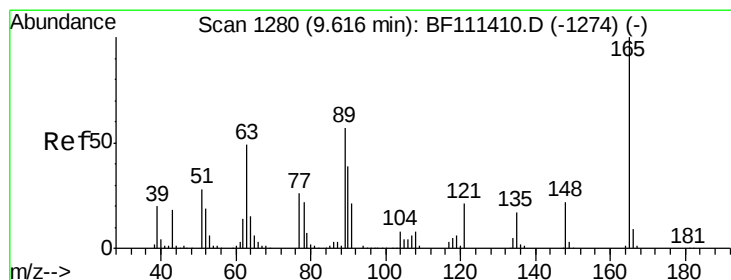
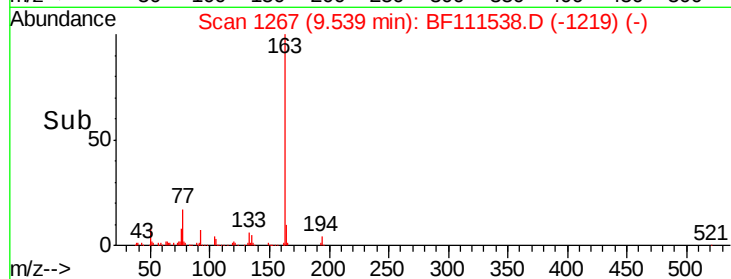
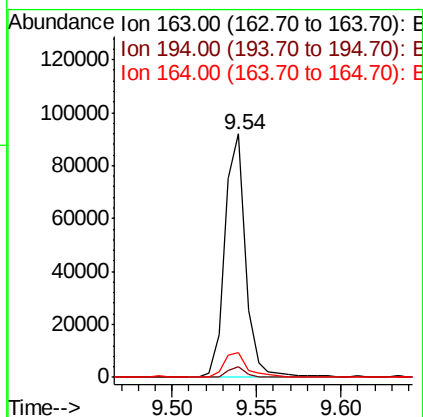
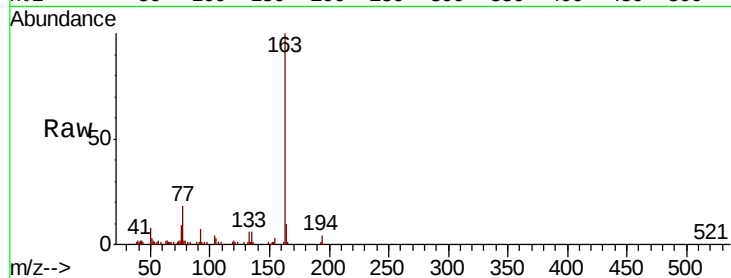




#50
Dimethylphthalate
Concen: 3.820 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

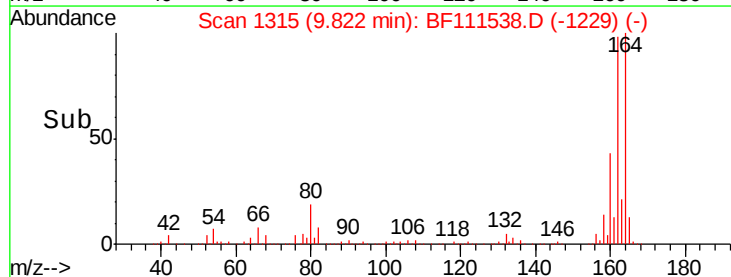
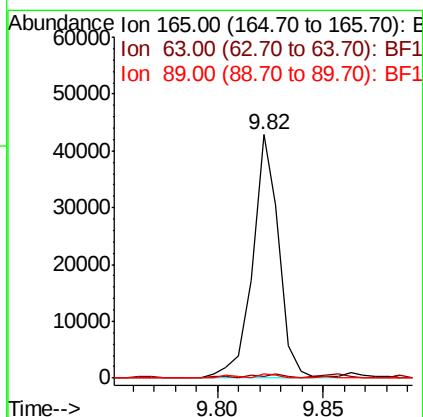
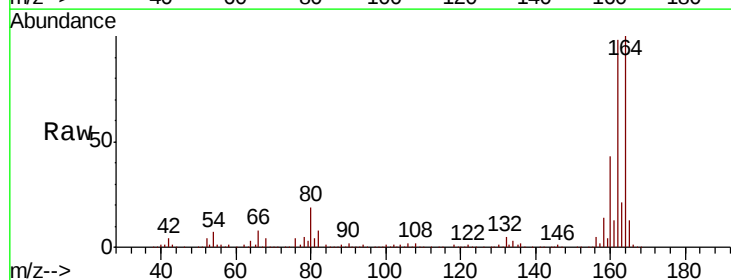
Instrument :
BNA_F
ClientSampleId :
P001-SS007-0006-01

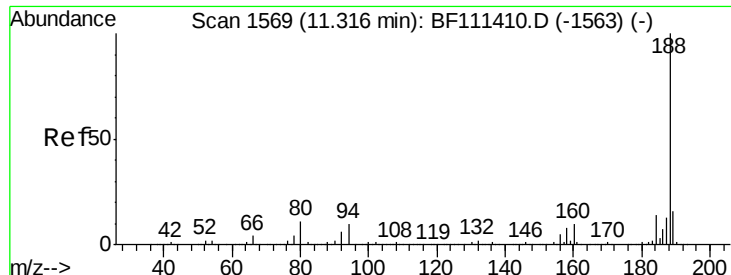
Tgt Ion:163 Resp: 78623
Ion Ratio Lower Upper
163 100
194 4.5 3.0 4.6
164 10.4 8.9 13.3



#51
2,6-Dinitrotoluene
Concen: 7.995 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.21 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

Tgt Ion:165 Resp: 37035
Ion Ratio Lower Upper
165 100
63 0.8 40.5 60.7#
89 2.0 40.0 60.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111538.D

Acq: 17 Dec 2018 14:39

Instrument :

BNA_F

ClientSampleId :

P001-SS007-0006-01

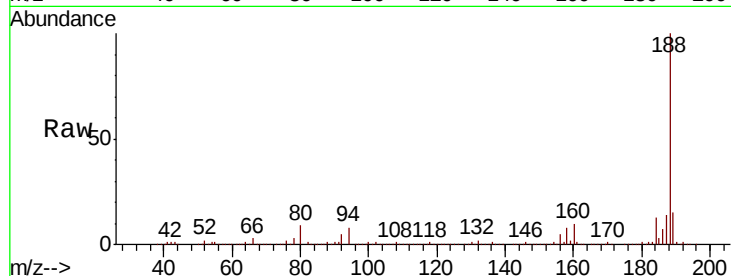
Tgt Ion:188 Resp: 430448

Ion Ratio Lower Upper

188 100

94 8.4 9.6 14.4#

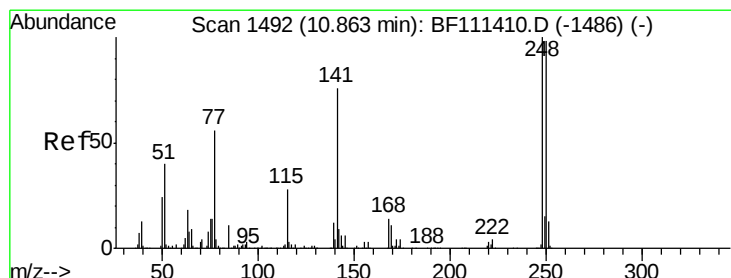
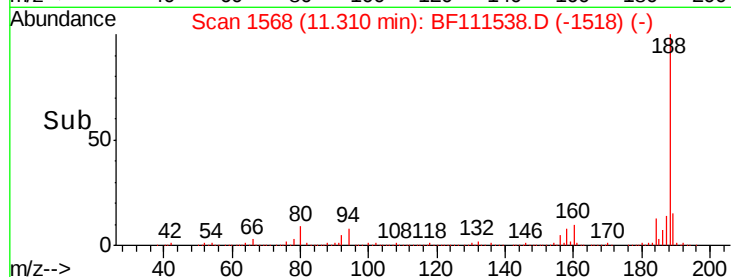
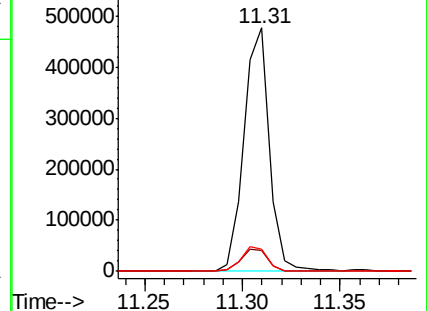
80 9.2 9.8 14.6#



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



#67

4-Bromophenyl-phenylether

Concen: 2.801 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF111538.D

Acq: 17 Dec 2018 14:39

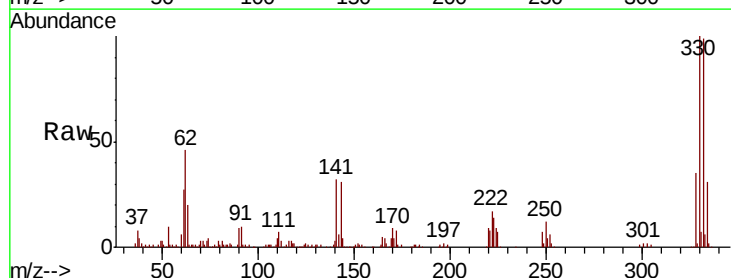
Tgt Ion:248 Resp: 12997

Ion Ratio Lower Upper

248 100

250 173.8 77.0 115.4#

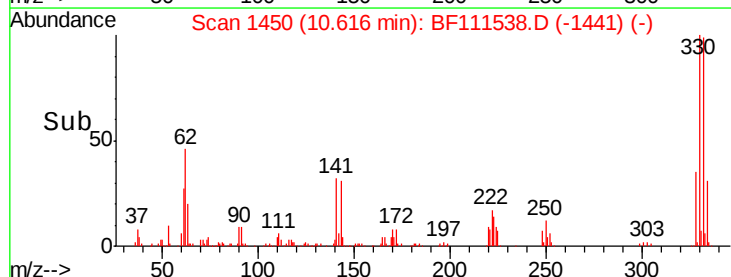
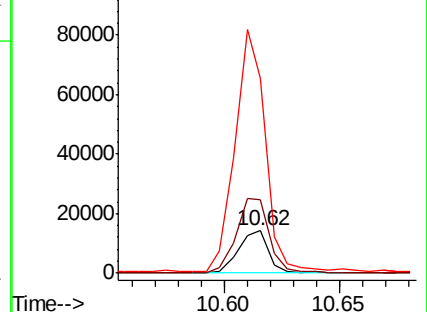
141 460.7 63.0 94.6#

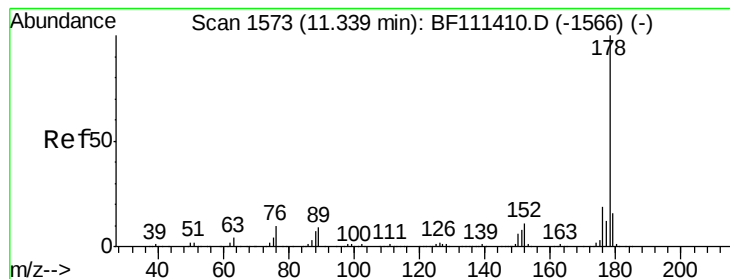


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 10.037 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF111538.D

Acq: 17 Dec 2018 14:39

Instrument :

BNA_F

ClientSampleId :

P001-SS007-0006-01

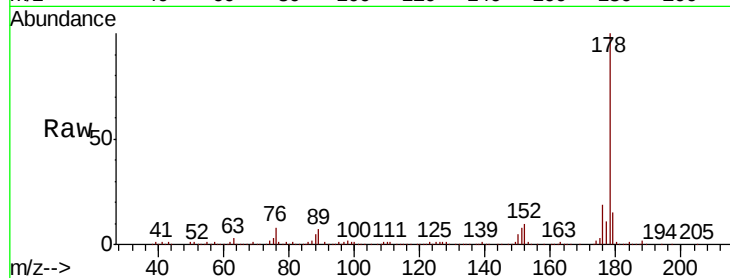
Tgt Ion:178 Resp: 222619

Ion Ratio Lower Upper

178 100

176 19.0 18.1 27.1

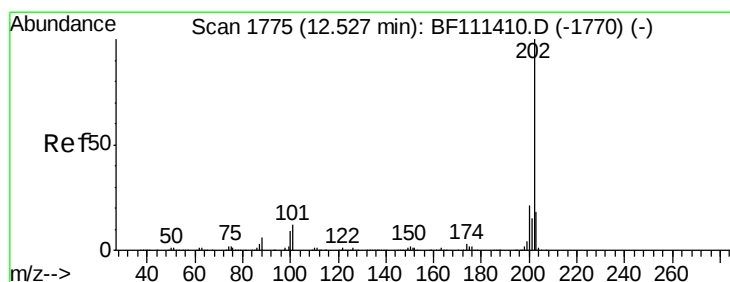
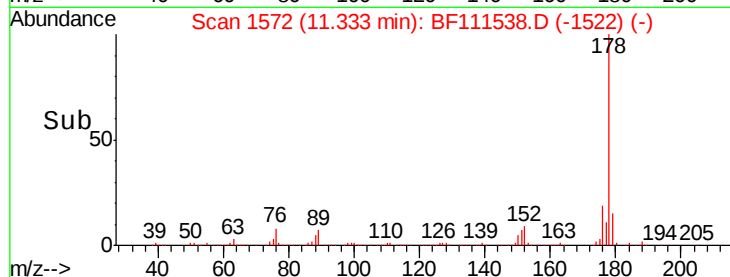
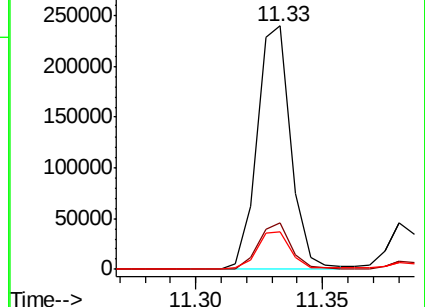
179 15.2 14.0 21.0



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



#75

Fluoranthene

Concen: 8.622 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111538.D

Acq: 17 Dec 2018 14:39

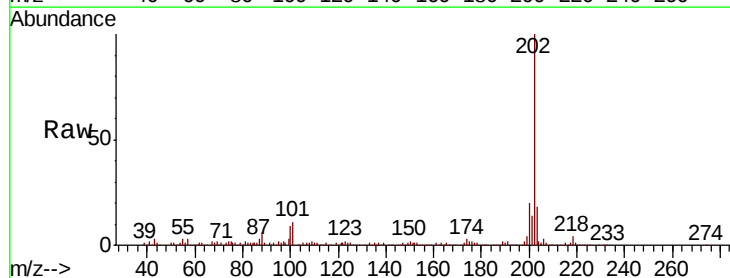
Tgt Ion:202 Resp: 187094

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.8

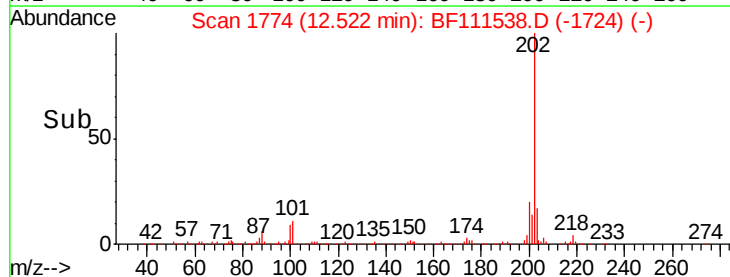
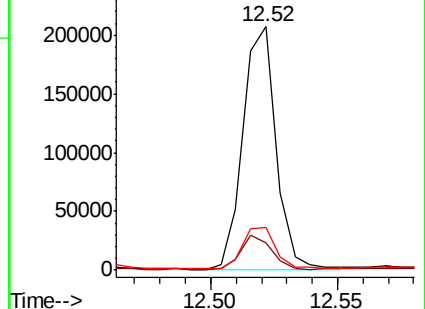
203 17.5 0.0 38.6

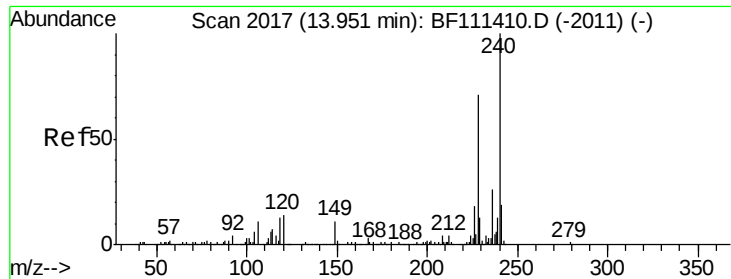


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

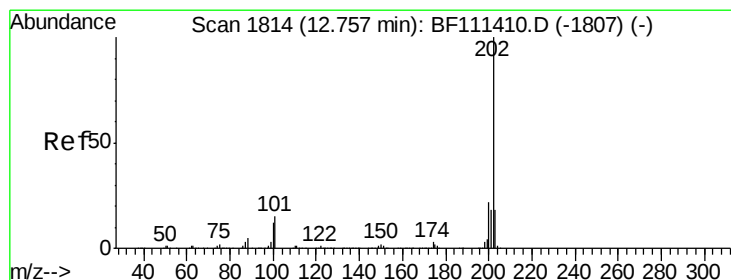
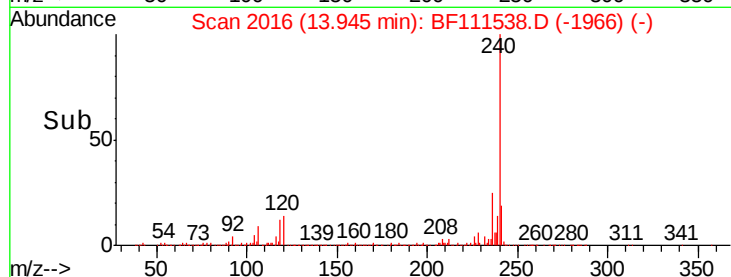
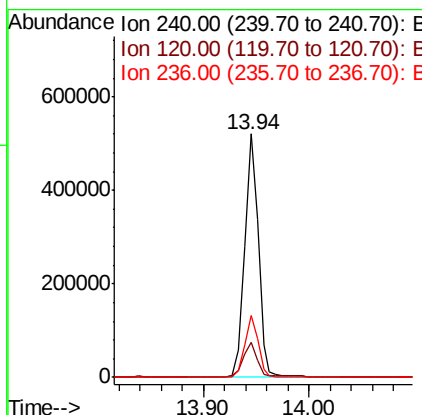
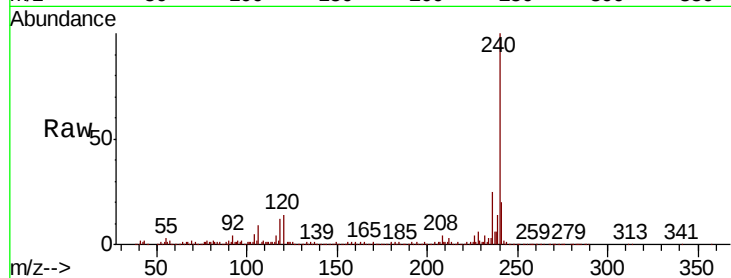




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

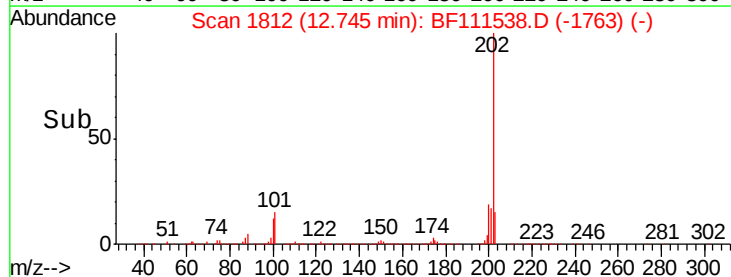
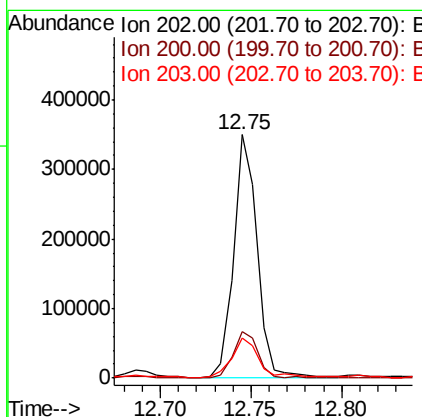
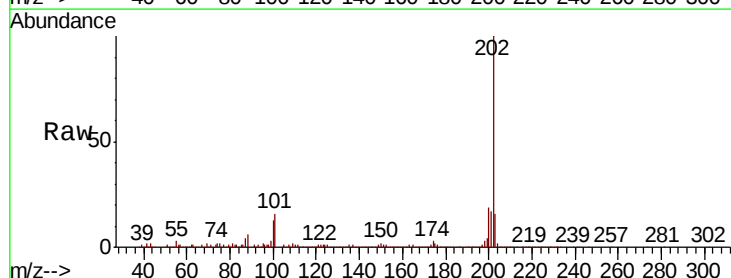
Instrument :
BNA_F
ClientSampleId :
P001-SS007-0006-01

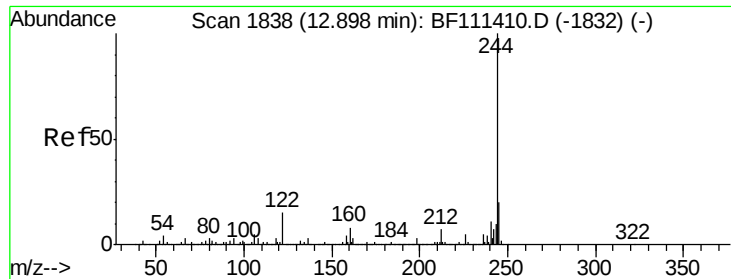
Tgt Ion:240 Resp: 465065
Ion Ratio Lower Upper
240 100
120 14.2 12.2 18.2
236 25.2 20.2 30.2



#78
Pyrene
Concen: 9.588 ng
RT: 12.75 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

Tgt Ion:202 Resp: 314373
Ion Ratio Lower Upper
202 100
200 19.2 19.0 28.4
203 16.3 15.2 22.8

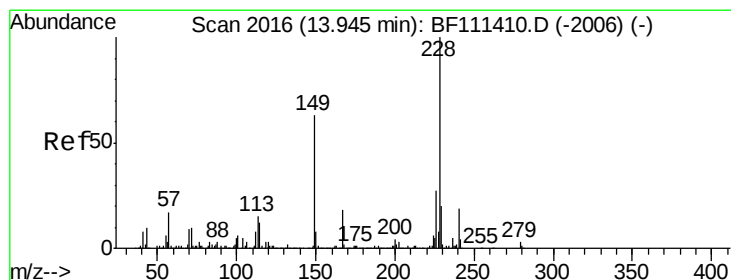
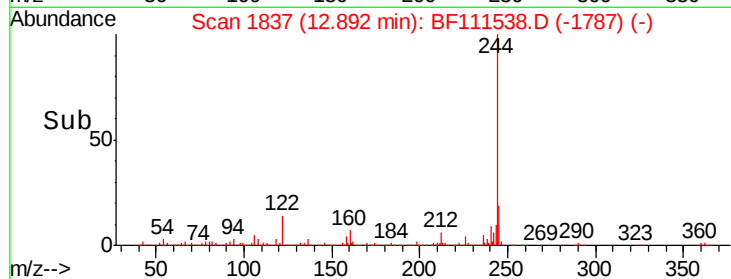
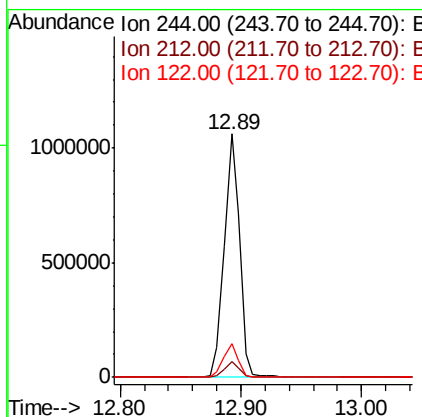
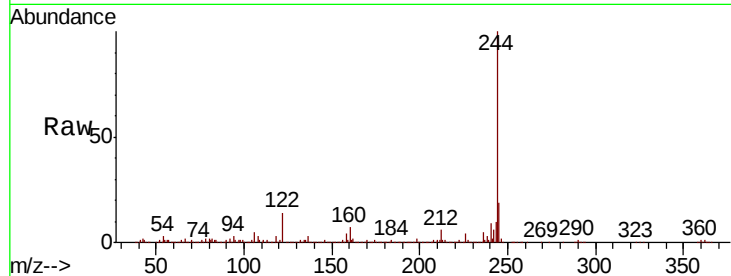




#79
 Terphenyl-d14
 Concen: 47.185 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF111538.D
 Acq: 17 Dec 2018 14:39

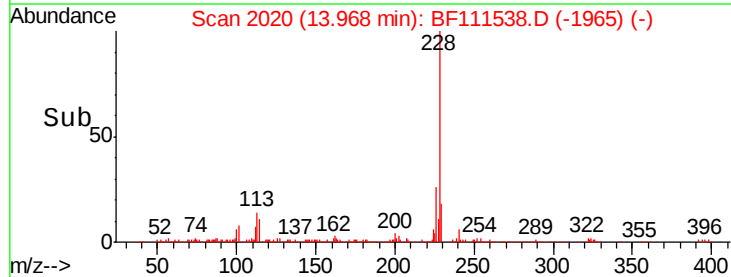
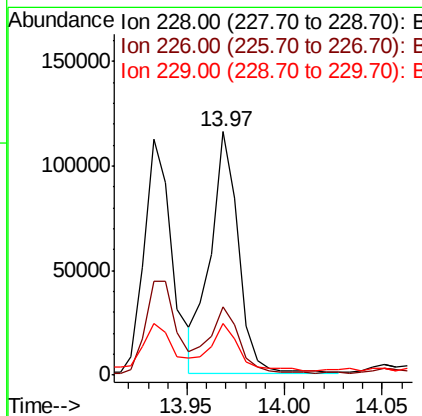
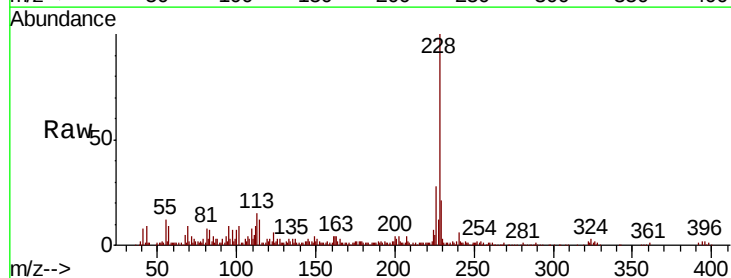
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS007-0006-01

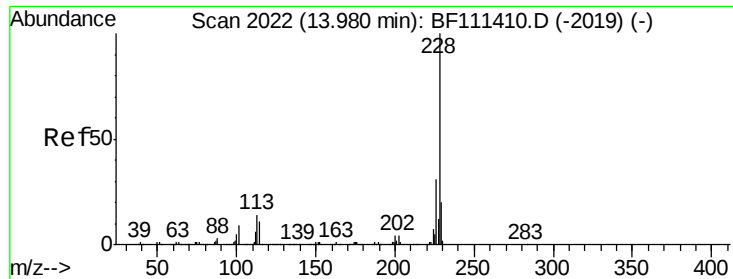
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	13.7	13.1	19.7



#81
 Benzo(a)anthracene
 Concen: 4.541 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.02 min
 Lab File: BF111538.D
 Acq: 17 Dec 2018 14:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	34.0
229	21.2	16.3	24.5

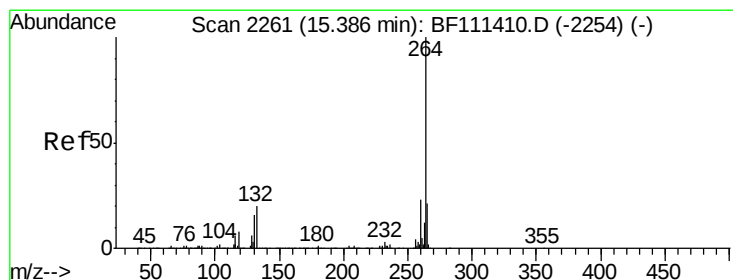
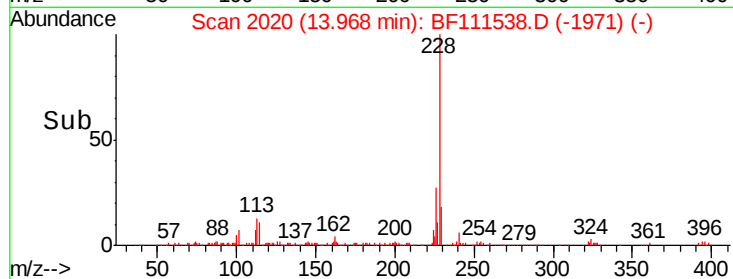
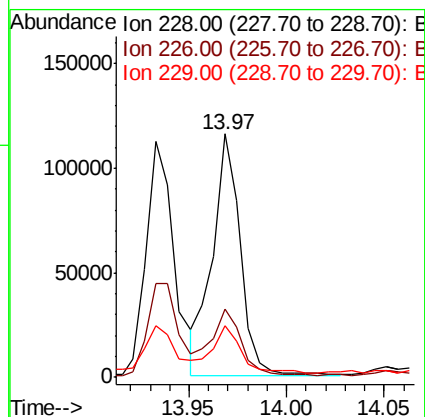
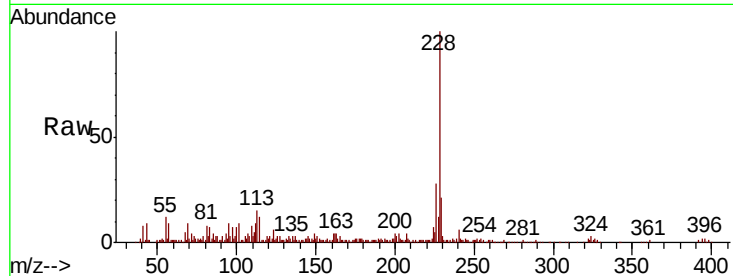




#83
Chrysene
Concen: 4.311 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

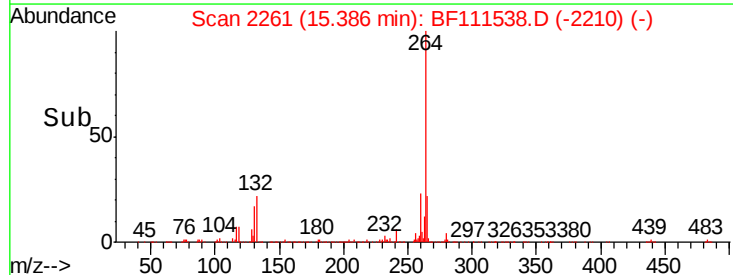
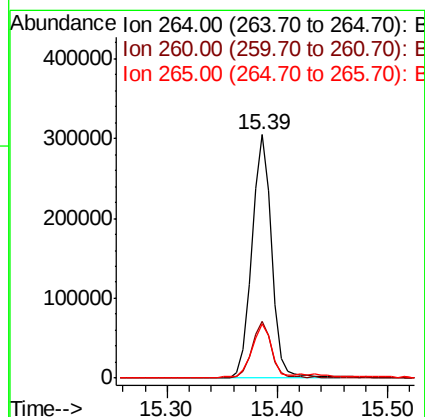
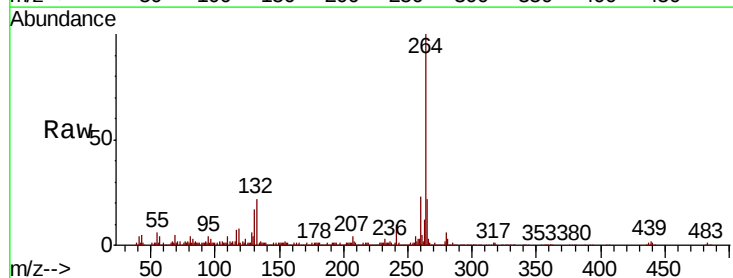
Instrument :
BNA_F
ClientSampleId :
P001-SS007-0006-01

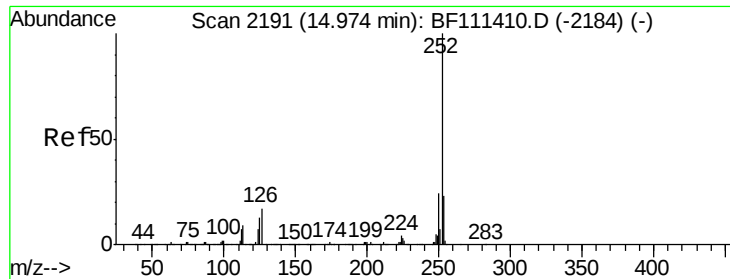
Tgt Ion: 228 Resp: 114833
Ion Ratio Lower Upper
228 100
226 28.2 25.3 37.9
229 21.2 17.2 25.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

Tgt Ion: 264 Resp: 384822
Ion Ratio Lower Upper
264 100
260 23.1 18.3 27.5
265 22.4 17.7 26.5

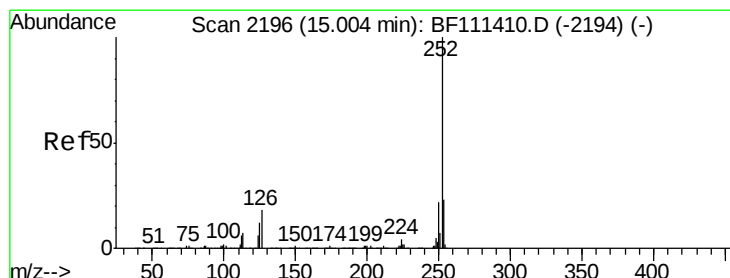
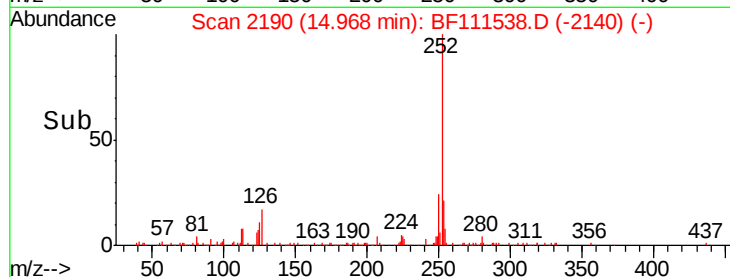
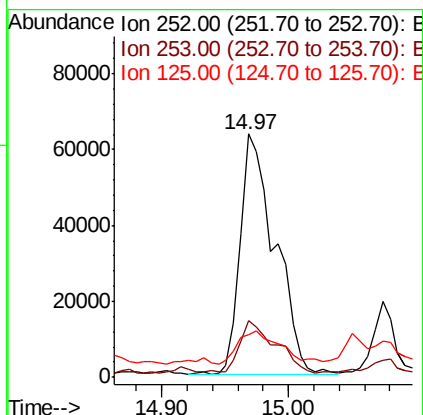
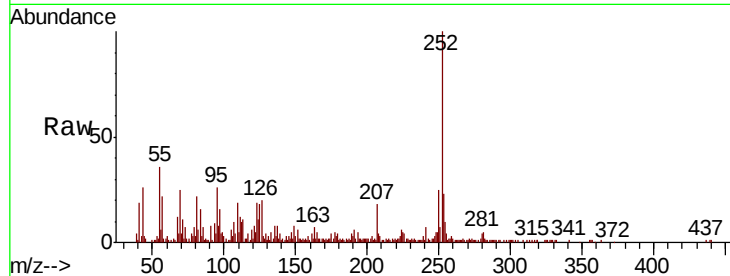




#88
Benzo(b)fluoranthene
Concen: 5.388 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

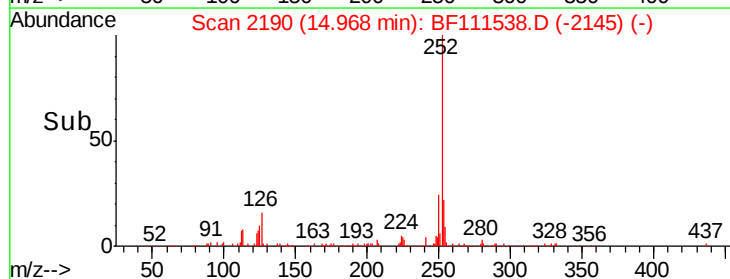
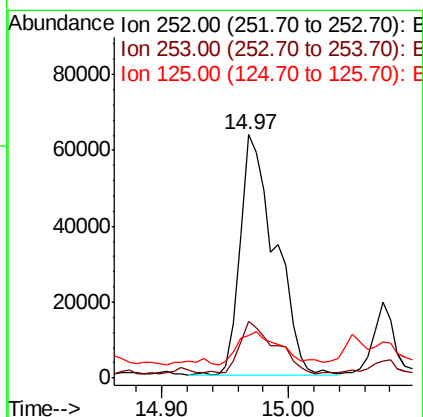
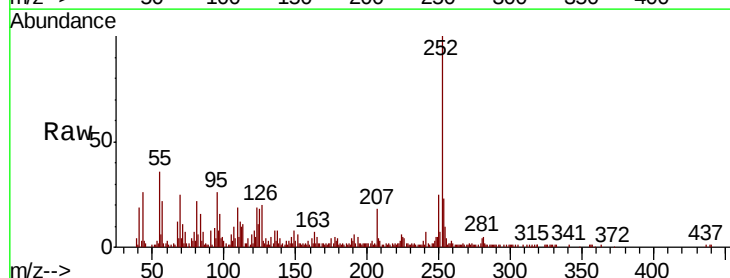
Instrument :
BNA_F
ClientSampleId :
P001-SS007-0006-01

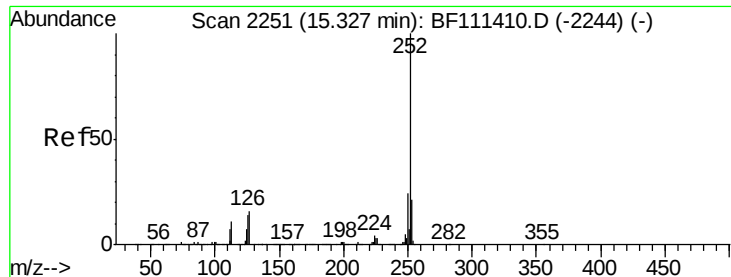
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	17.6	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 5.639 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF111538.D
Acq: 17 Dec 2018 14:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	17.6	9.8	14.8





#90

Benzo(a)pyrene

Concen: 4.236 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BF111538.D

Acq: 17 Dec 2018 14:39

Instrument :

BNA_F

ClientSampleId :

P001-SS007-0006-01

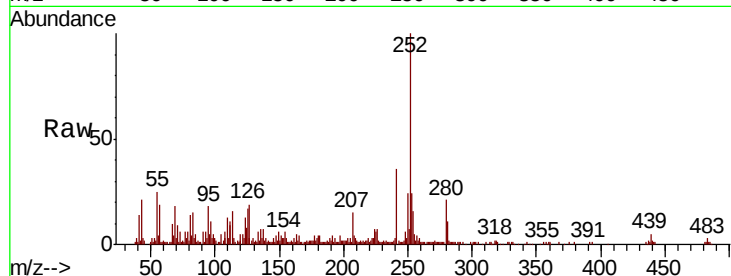
Tgt Ion:252 Resp: 85706

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 17.3 12.3 18.5

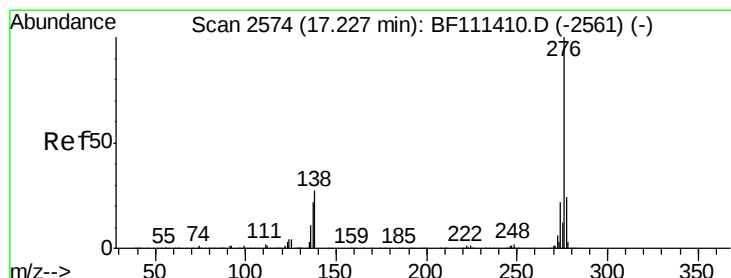
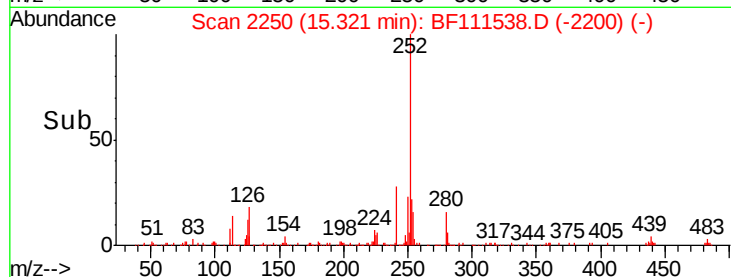
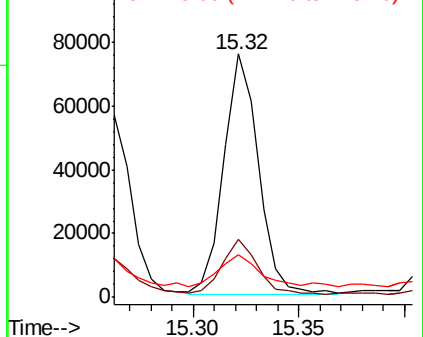


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 2.878 ng

RT: 17.23 min Scan# 2574

Delta R.T. 0.00 min

Lab File: BF111538.D

Acq: 17 Dec 2018 14:39

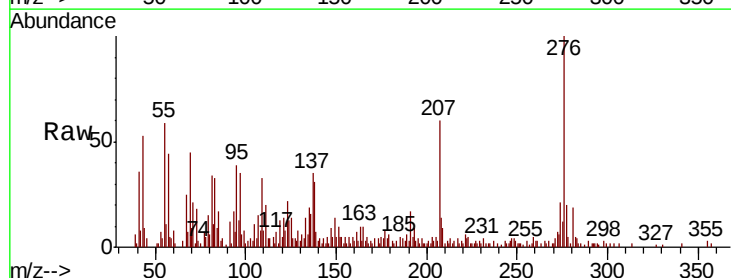
Tgt Ion:276 Resp: 45086

Ion Ratio Lower Upper

276 100

277 20.4 19.2 28.8

138 31.4 24.9 37.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

