

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120718\
 Data File : BF111201.D
 Acq On : 7 Dec 2018 21:49
 Operator : JU/SJ
 Sample : J6214-09 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)

Quant Time: Dec 07 22:27:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	448283	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1504679	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	911030	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1057689	20.00	ng	0.00
76) Chrysene-d12	13.96	240	1050695	20.00	ng	0.00
87) Perylene-d12	15.39	264	812368	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	664132	23.12	ng	0.00
7) Phenol-d6	6.42	99	913628	24.69	ng	-0.01
23) Nitrobenzene-d5	7.36	82	405058	15.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	126627	17.49	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	827933	2.95	ng	0.00
79) Terphenyl-d14	12.90	244	449403	8.76	ng	0.00

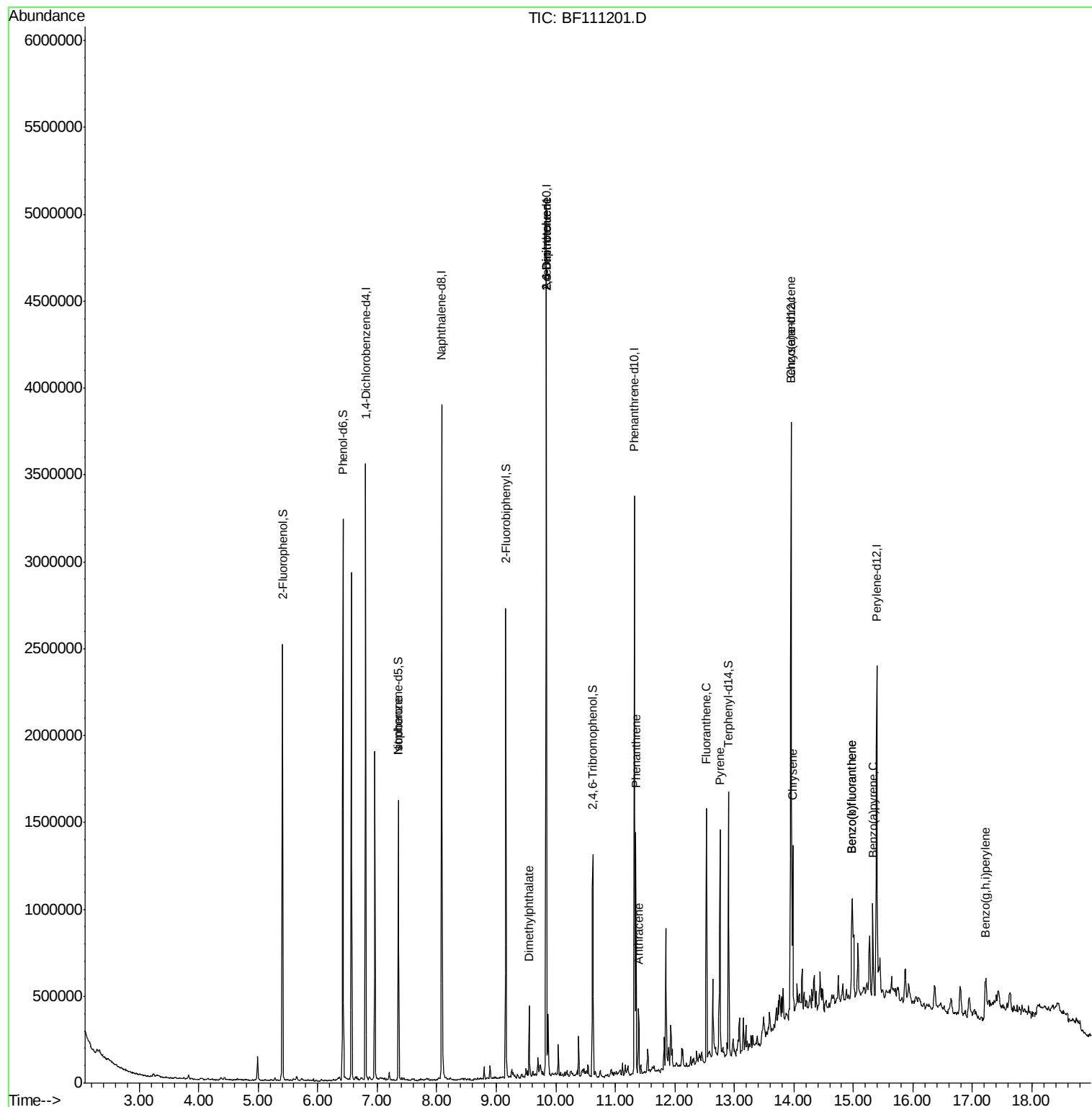
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	2369	Below Cal		# 70
25) Isophorone	7.36	82	402852	8.637	ng	# 65
50) Dimethylphthalate	9.55	163	150367	2.372	ng	# 98
51) 2,6-Dinitrotoluene	9.84	165	121881	9.067	ng	# 26
57) 2,4-Dinitrotoluene	9.84	165	121861	7.019	ng	# 23
71) Phenanthrene	11.34	178	465179	9.143	ng	# 94
72) Anthracene	11.39	178	130531	2.545	ng	# 93
75) Fluoranthene	12.53	202	547293	10.993	ng	# 97
77) Benzo(a)pyrene	12.60	184	1409	Below Cal		# 1
78) Pyrene	12.76	202	483578	5.908	ng	# 95
81) Benzo(a)anthracene	13.94	228	339163	5.509	ng	# 99
83) Chrysene	13.98	228	349705	5.722	ng	# 97
88) Benzo(b)fluoranthene	14.98	252	446021	9.689	ng	# 97
89) Benzo(k)fluoranthene	14.98	252	446021	10.023	ng	# 96
90) Benzo(a)pyrene	15.33	252	232007	5.495	ng	# 95
92) Benzo(g,h,i)perylene	17.22	276	111916	3.143	ng	# 95

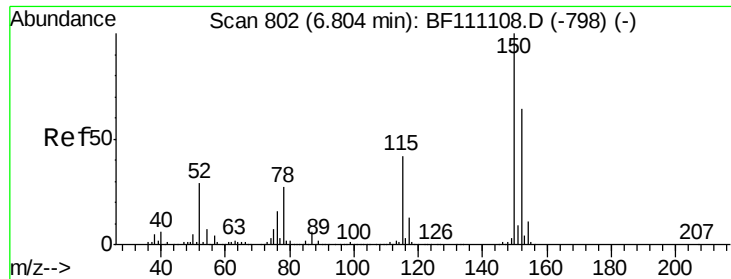
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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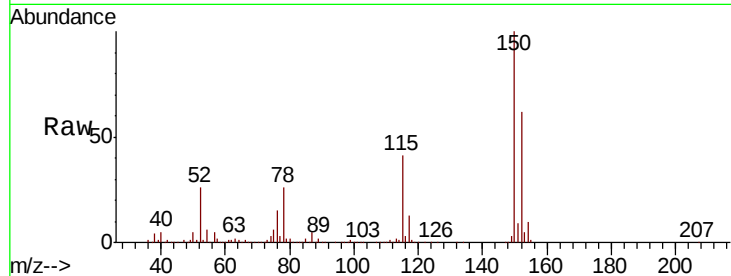


#1

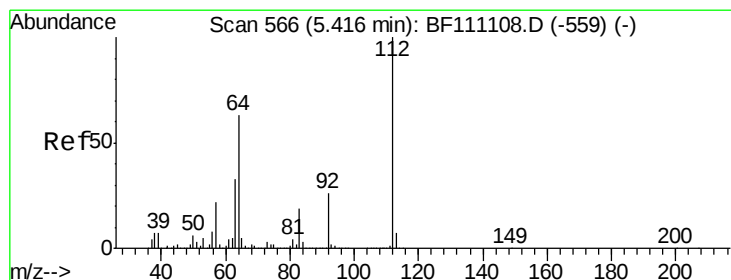
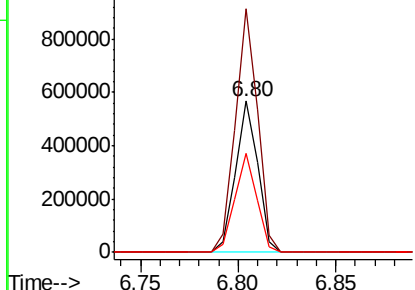
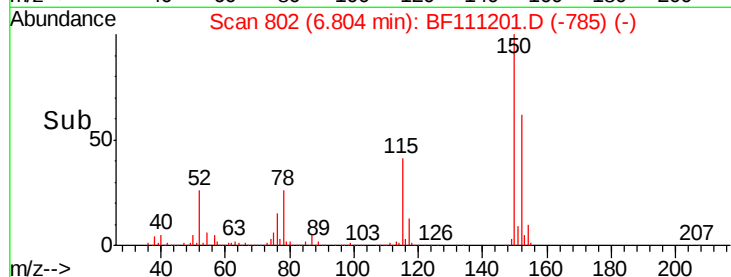
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tgt Ion:152 Resp: 448283
Ion Ratio Lower Upper
152 100
150 161.4 124.6 187.0
115 65.7 52.2 78.2



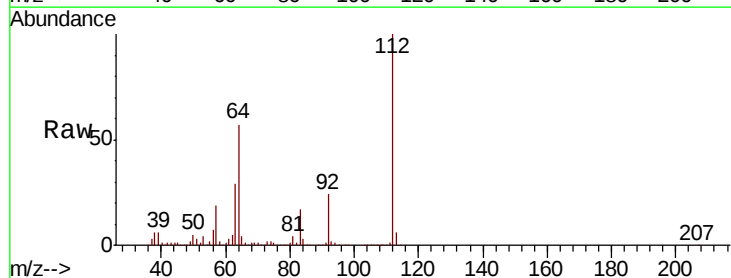
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



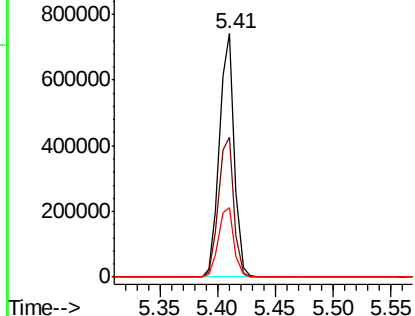
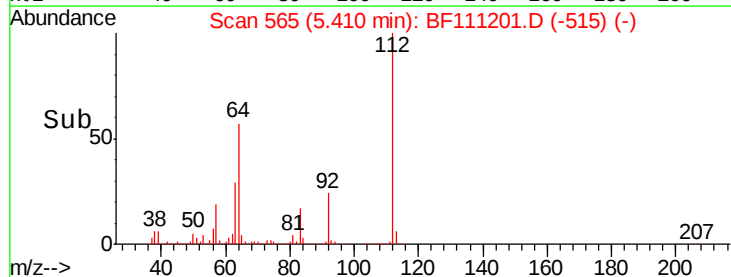
#5

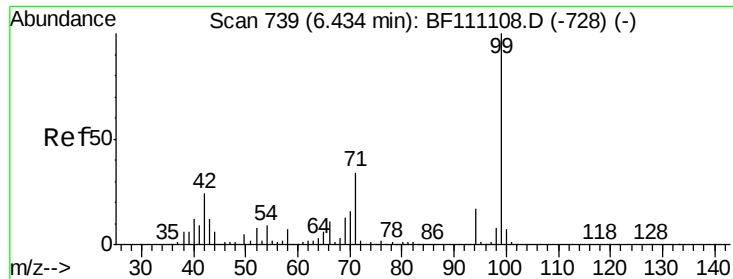
2-Fluorophenol
Concen: 23.118 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Tgt Ion:112 Resp: 664132
Ion Ratio Lower Upper
112 100
64 57.5 50.2 75.4
63 28.7 26.6 39.8



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: 24.688 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

SB-4(0-2)

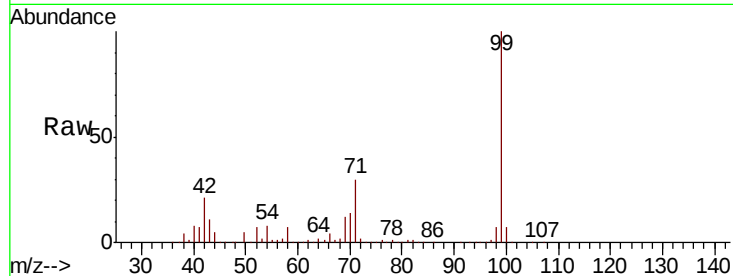
Tgt Ion: 99 Resp: 913628

Ion Ratio Lower Upper

99 100

42 20.8 19.3 28.9

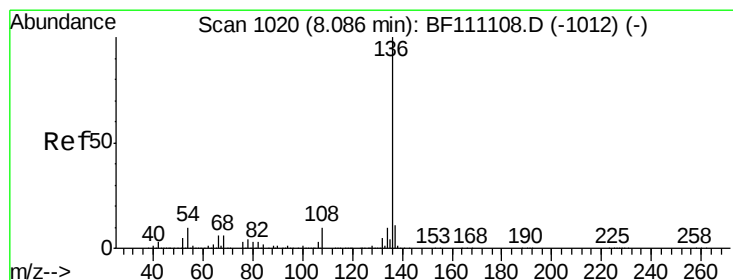
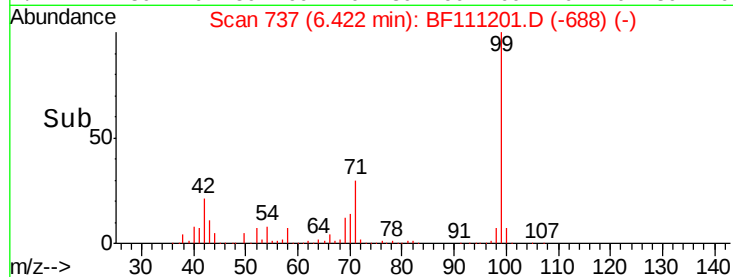
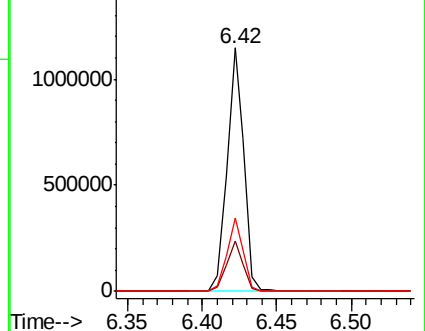
71 30.1 27.4 41.2



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: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Tgt Ion: 136 Resp: 1504679

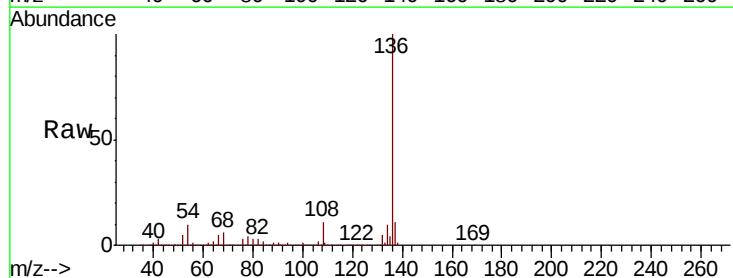
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 9.8 8.4 12.6

68 5.8 5.0 7.4

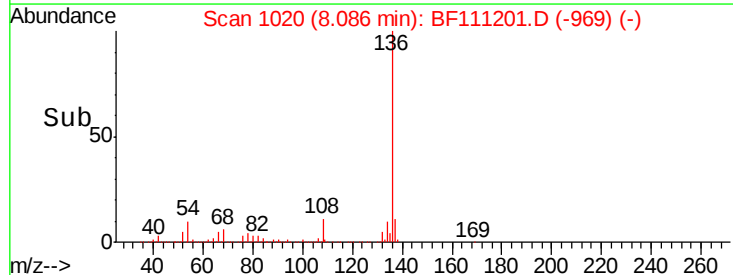
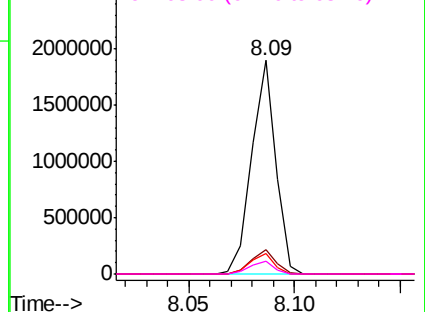


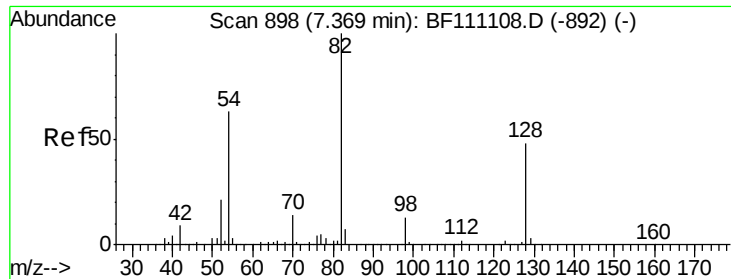
Abundance Ion 136.00 (135.70 to 136.70): E

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

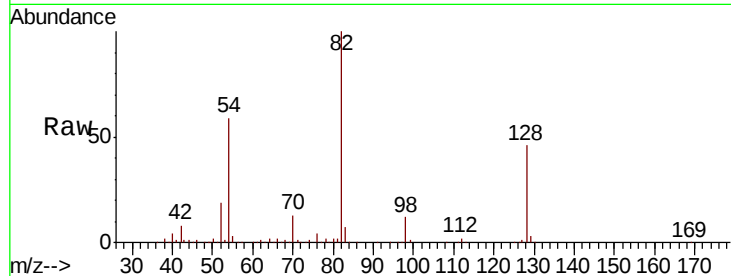




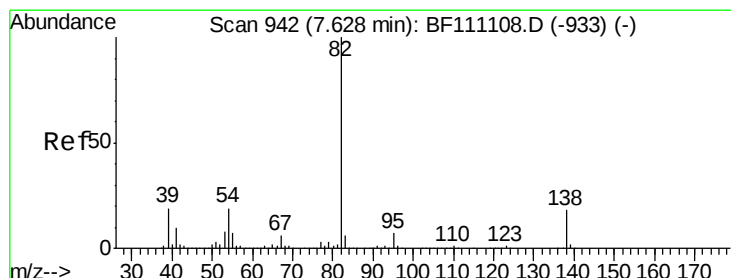
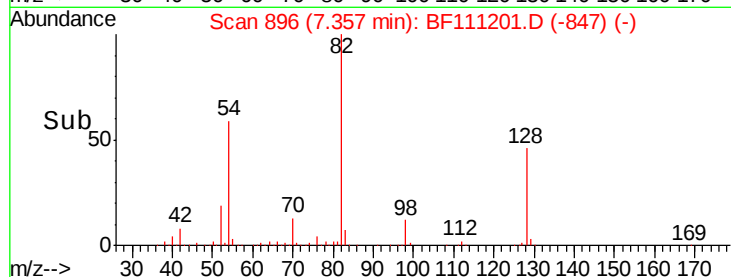
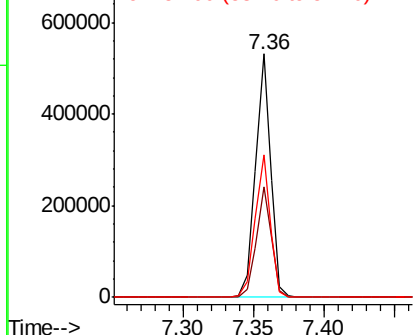
#23
Nitrobenzene-d5
Concen: 15.937 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.5	38.1	57.1
54	58.7	50.3	75.5

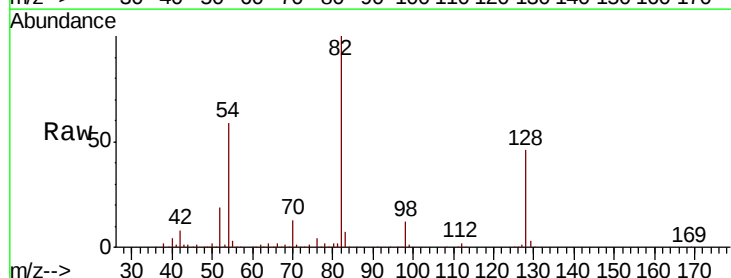


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

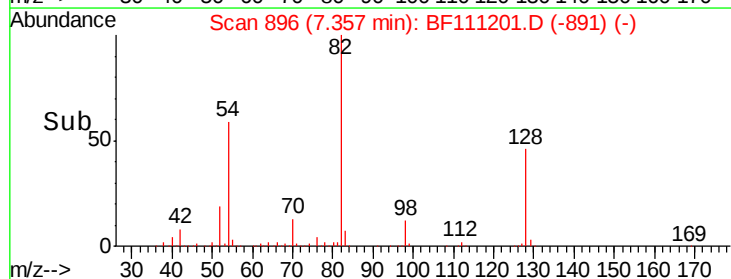
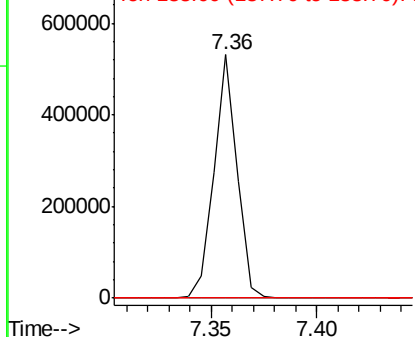


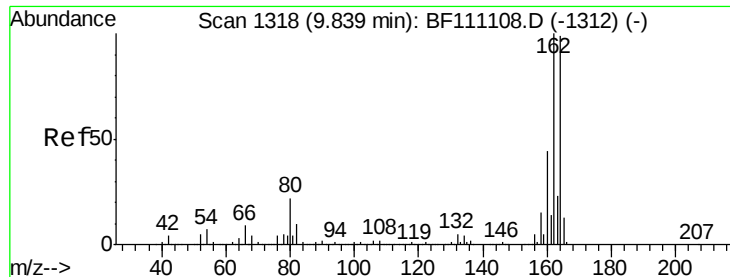
#25
Isophorone
Concen: 8.637 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.27 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#



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: 9.84 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

SB-4(0-2)

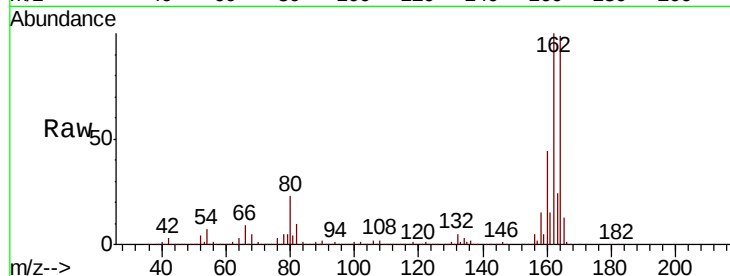
Tgt Ion:164 Resp: 911030

Ion Ratio Lower Upper

164 100

162 100.7 80.6 120.8

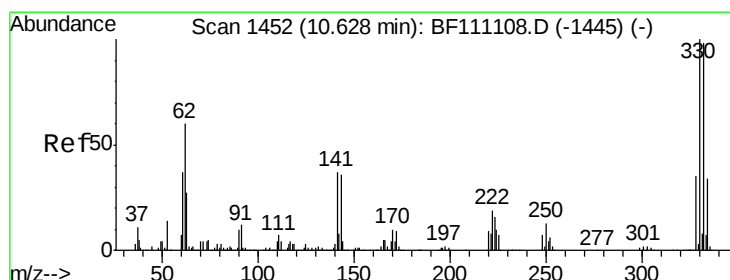
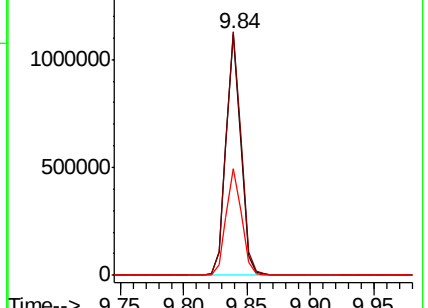
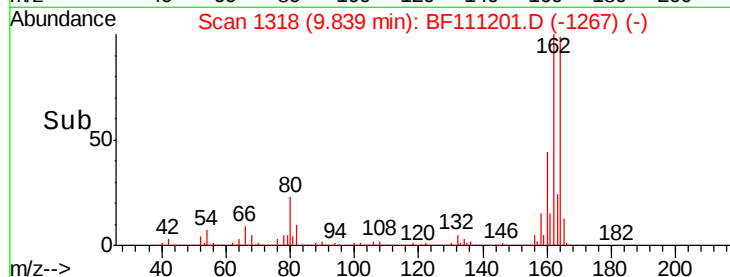
160 44.0 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 17.486 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

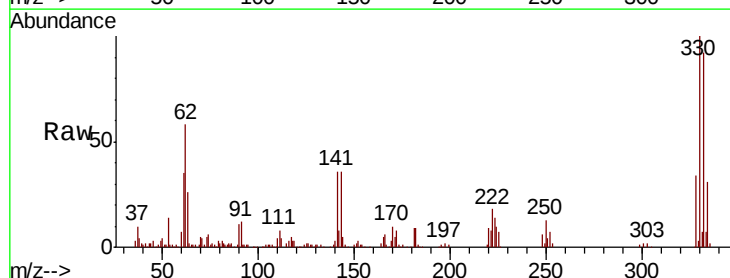
Tgt Ion:330 Resp: 126627

Ion Ratio Lower Upper

330 100

332 94.3 77.2 115.8

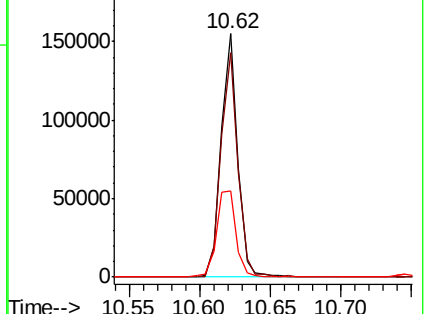
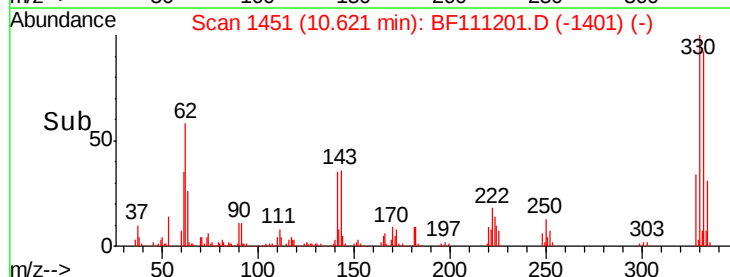
141 41.9 36.1 54.1

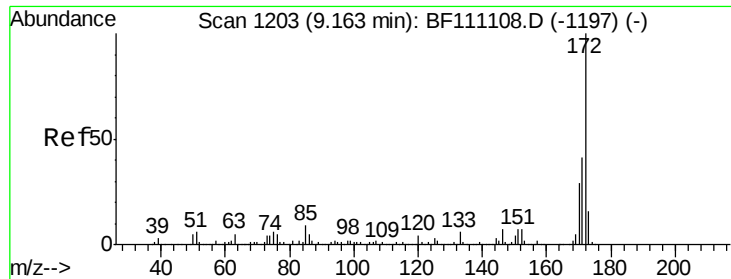


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

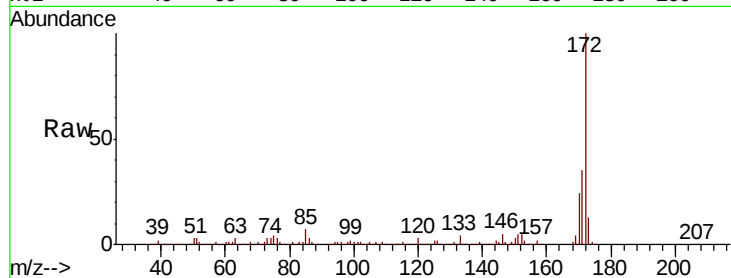




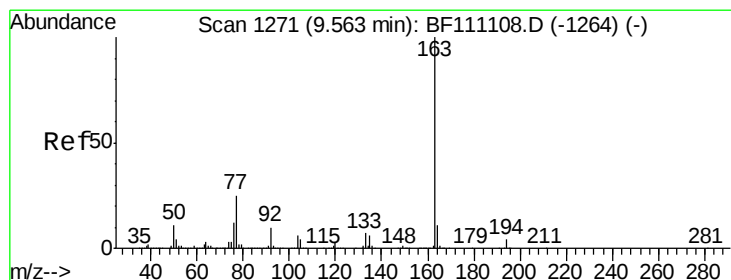
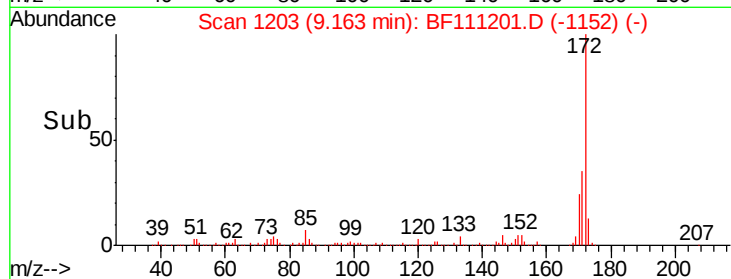
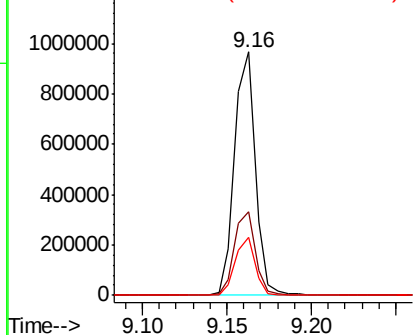
#45
2-Fluorobiphenyl
Concen: 2.946 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tgt Ion:172 Resp: 827933
Ion Ratio Lower Upper
172 100
171 34.5 33.2 49.8
170 23.7 22.9 34.3

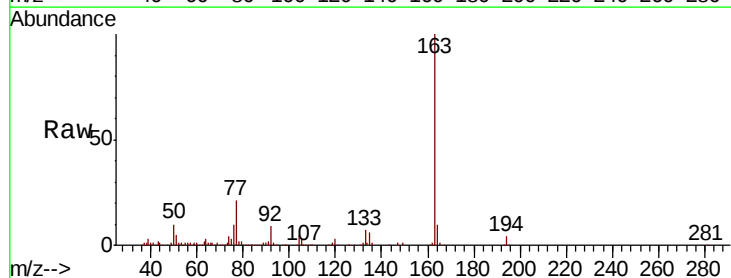


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

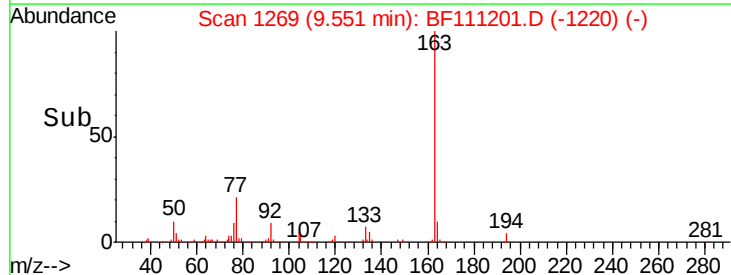
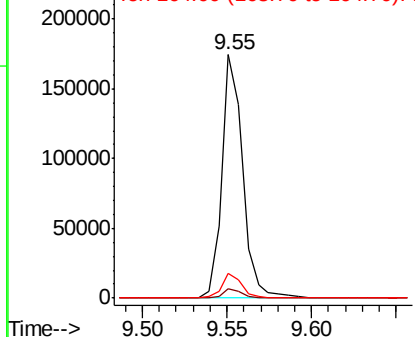


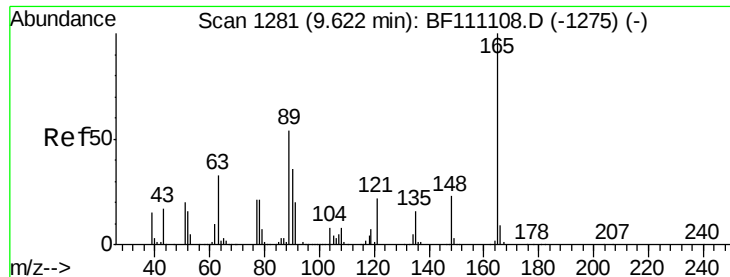
#50
Dimethylphthalate
Concen: 2.372 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Tgt Ion:163 Resp: 150367
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.0 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

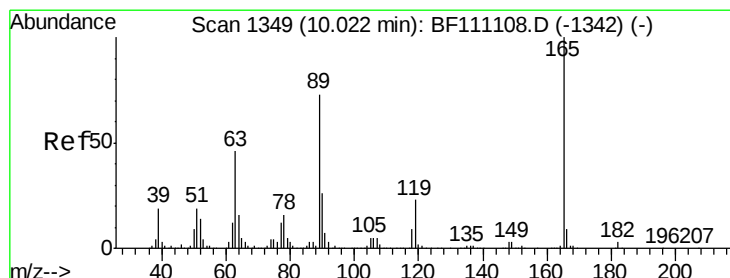
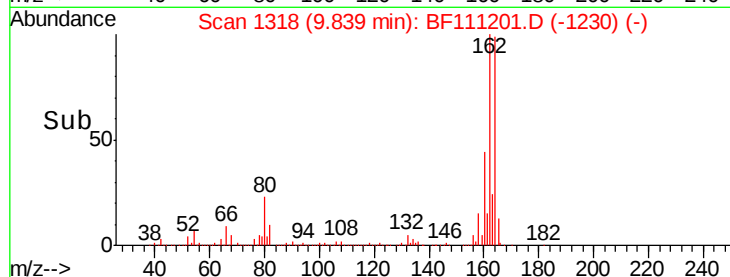
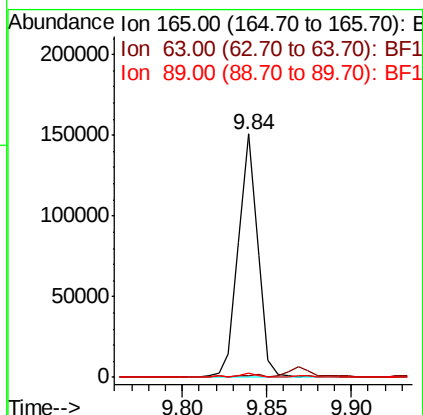
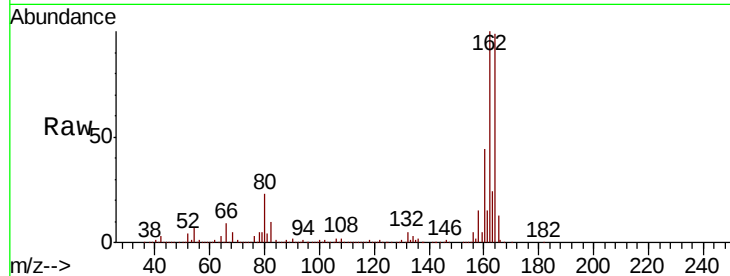




#51
 2,6-Dinitrotoluene
 Concen: 9.067 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.22 min
 Lab File: BF111201.D
 Acq: 7 Dec 2018 21:49

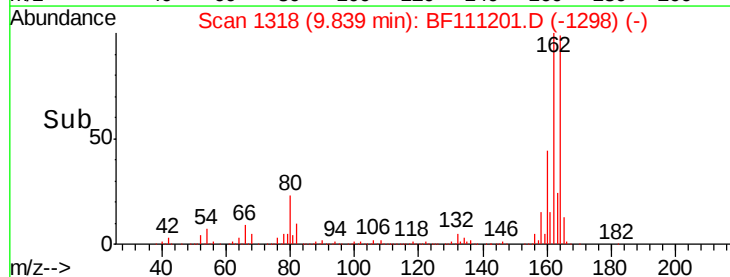
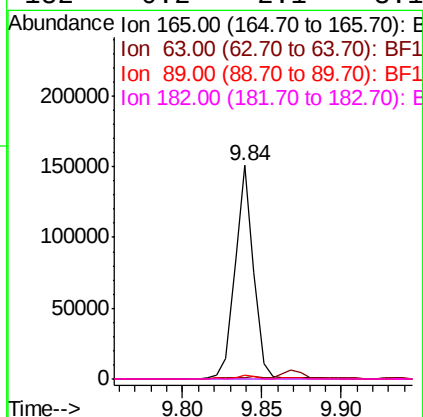
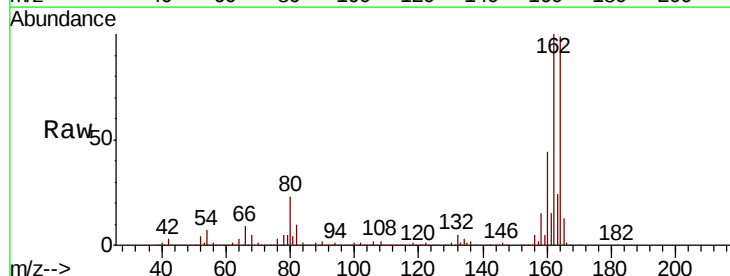
Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)

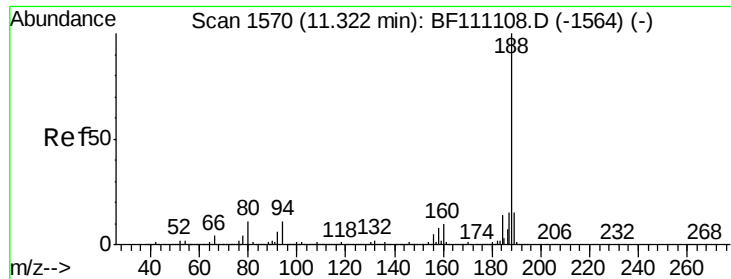
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	44.7	67.1#
89	2.0	43.0	64.4#



#57
 2,4-Dinitrotoluene
 Concen: 7.019 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.18 min
 Lab File: BF111201.D
 Acq: 7 Dec 2018 21:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.7	55.1#
89	2.0	58.4	87.6#
182	0.2	2.1	3.1#

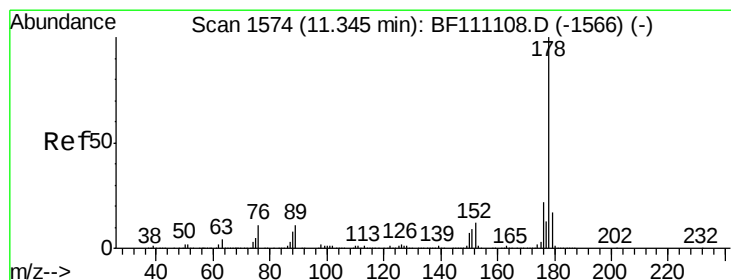
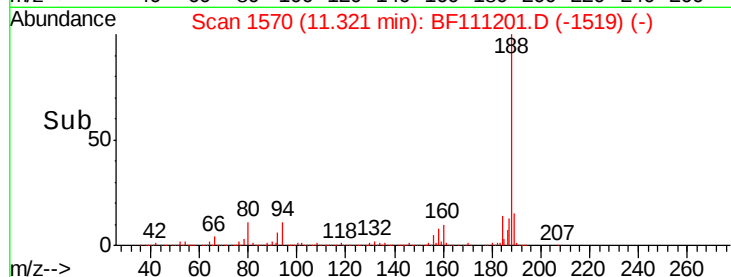
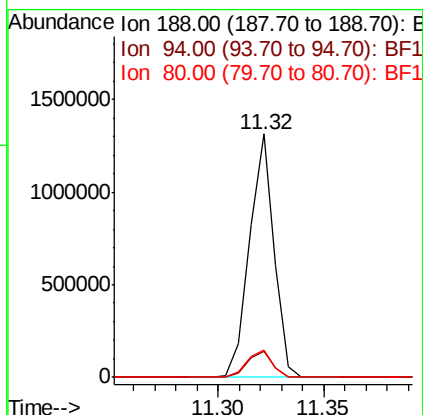
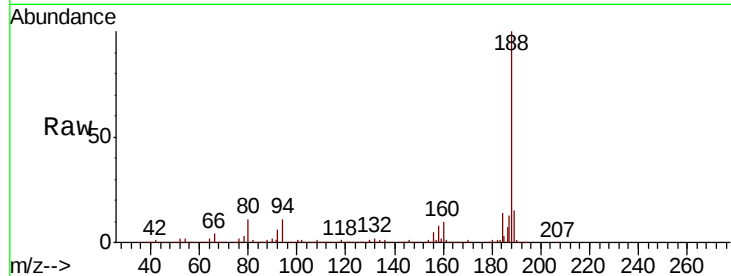




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

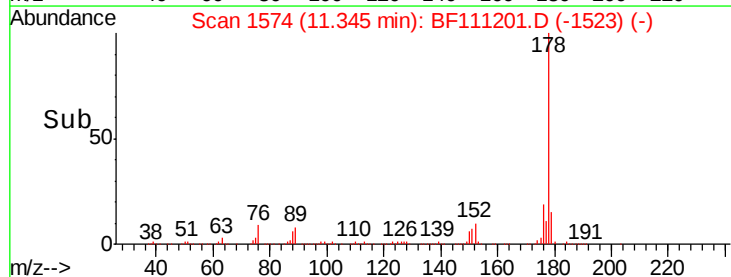
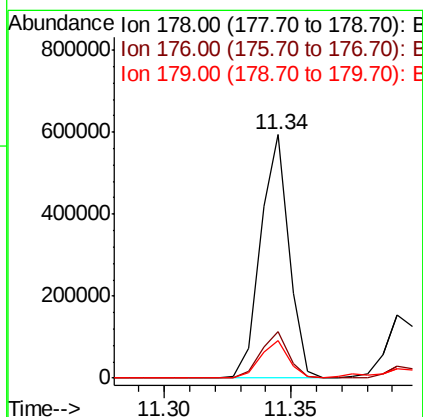
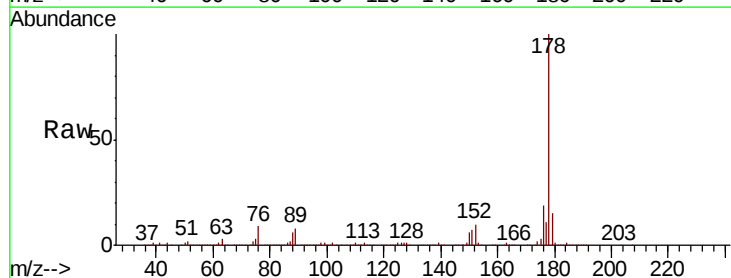
Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

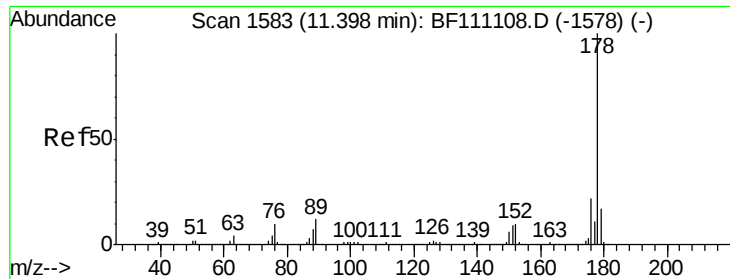
Tgt Ion:188 Resp: 1057689
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.1 9.0 13.6



#71
Phenanthrene
Concen: 9.143 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Tgt Ion:178 Resp: 465179
Ion Ratio Lower Upper
178 100
176 18.9 17.7 26.5
179 15.4 14.0 21.0

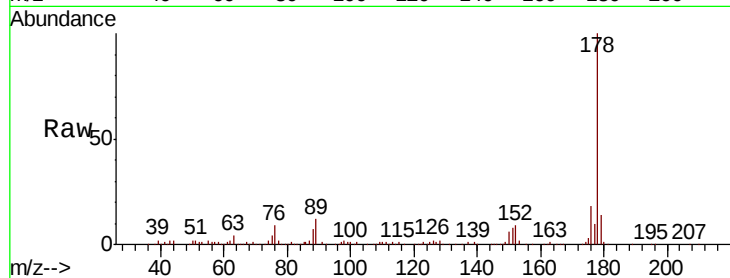




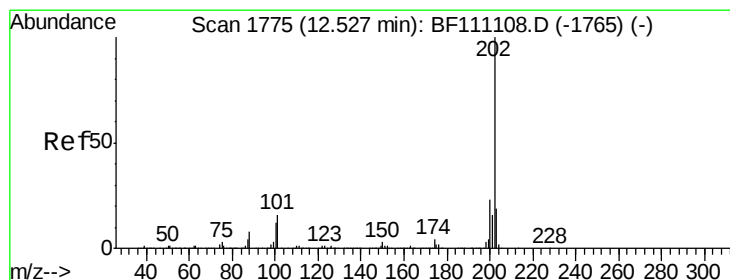
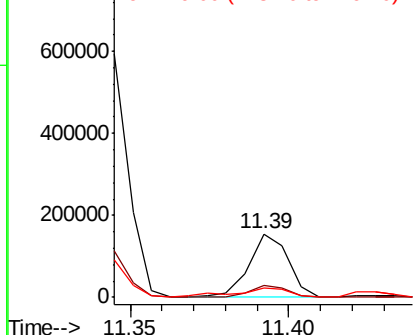
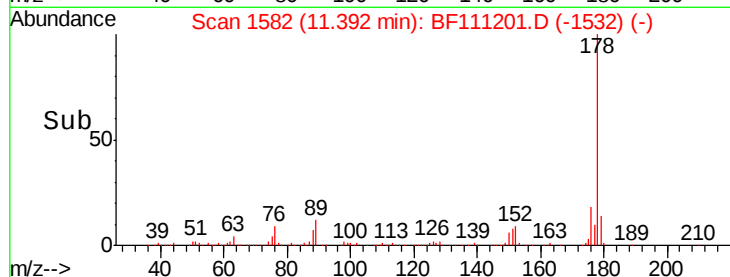
#72
 Anthracene
 Concen: 2.545 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF111201.D
 Acq: 7 Dec 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)

Tgt Ion:178 Resp: 130531
 Ion Ratio Lower Upper
 178 100
 176 18.0 17.3 25.9
 179 14.2 13.8 20.8

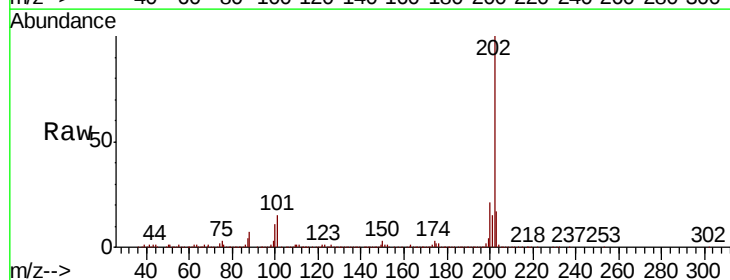


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

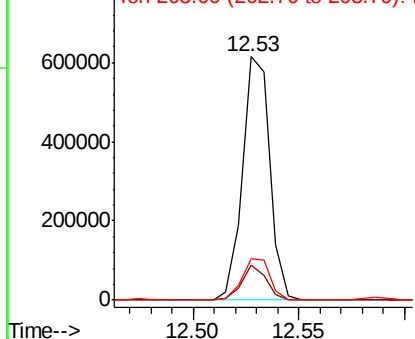
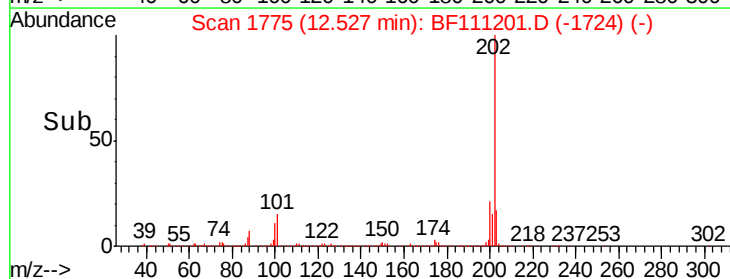


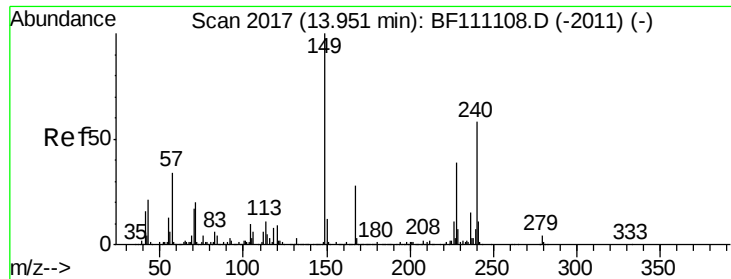
#75
 Fluoranthene
 Concen: 10.993 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.00 min
 Lab File: BF111201.D
 Acq: 7 Dec 2018 21:49

Tgt Ion:202 Resp: 547293
 Ion Ratio Lower Upper
 202 100
 101 14.5 0.0 35.8
 203 16.9 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: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

SB-4(0-2)

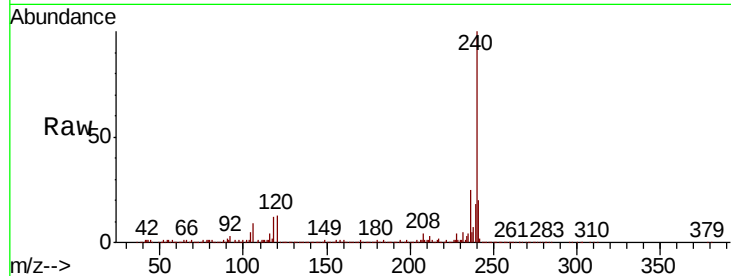
Tgt Ion:240 Resp: 1050695

Ion Ratio Lower Upper

240 100

120 13.5 12.8 19.2

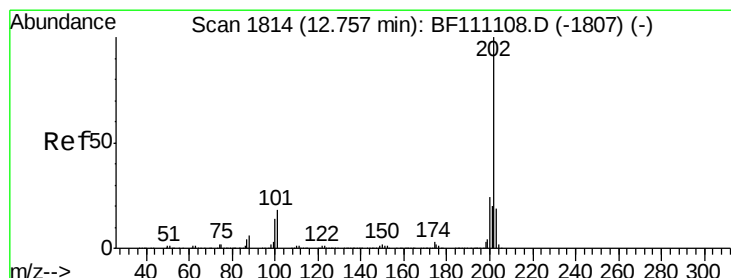
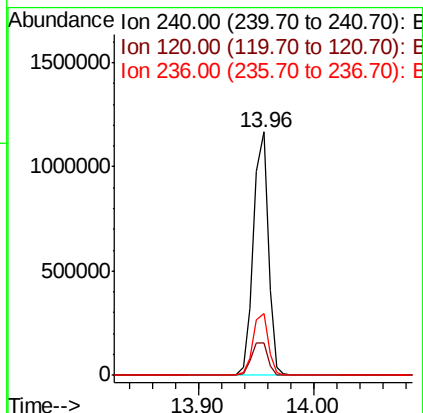
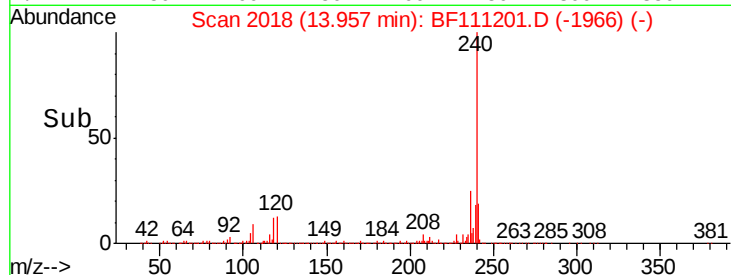
236 25.3 21.1 31.7



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: 5.908 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.00 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

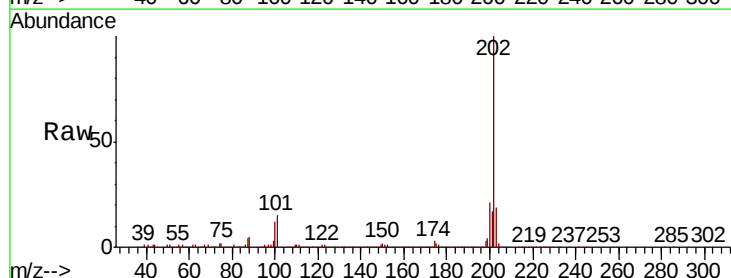
Tgt Ion:202 Resp: 483578

Ion Ratio Lower Upper

202 100

200 20.7 19.3 28.9

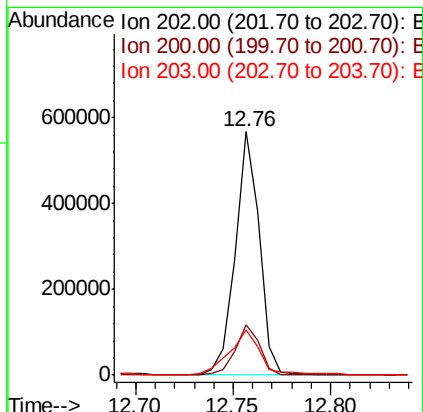
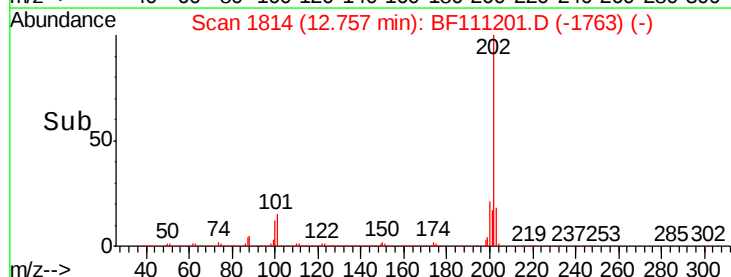
203 18.5 15.4 23.2

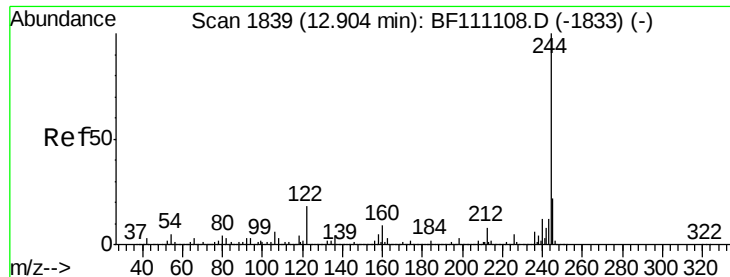


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 8.760 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

SB-4(0-2)

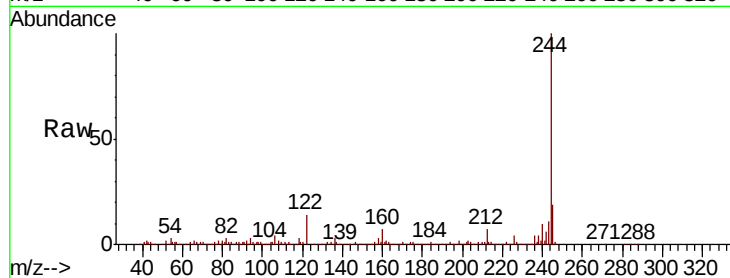
Tgt Ion:244 Resp: 449403

Ion Ratio Lower Upper

244 100

212 6.6 6.6 9.8

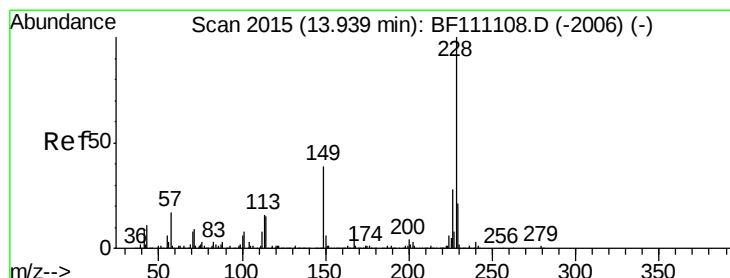
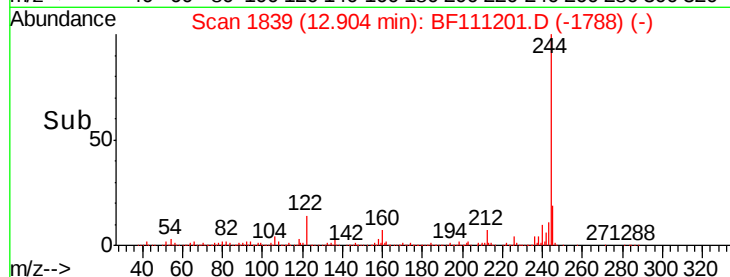
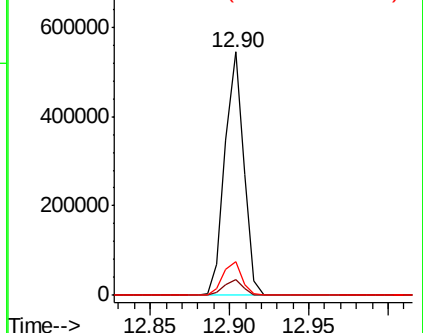
122 13.9 14.2 21.2#



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: 5.509 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

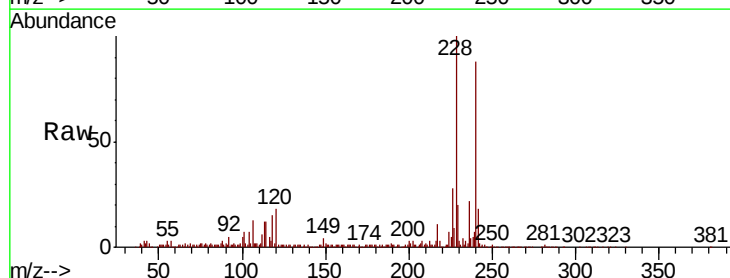
Tgt Ion:228 Resp: 339163

Ion Ratio Lower Upper

228 100

226 28.4 22.6 34.0

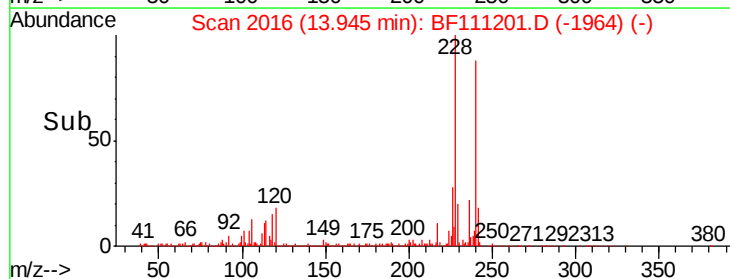
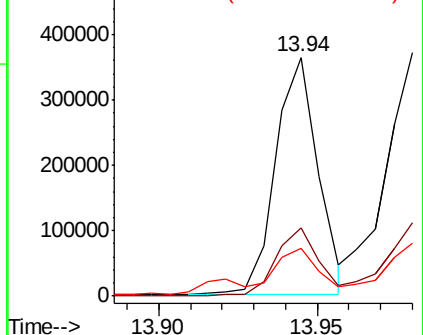
229 19.8 16.7 25.1

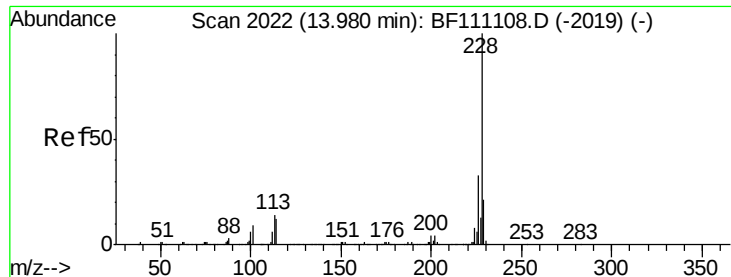


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.722 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

SB-4(0-2)

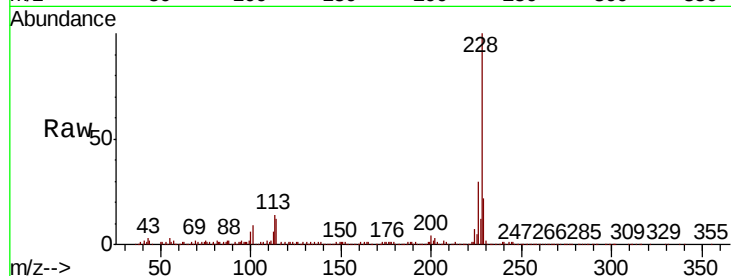
Tgt Ion:228 Resp: 349705

Ion Ratio Lower Upper

228 100

226 29.9 26.2 39.2

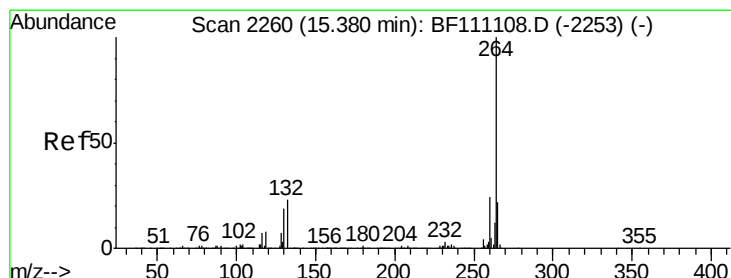
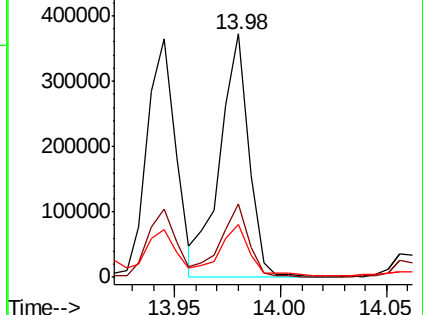
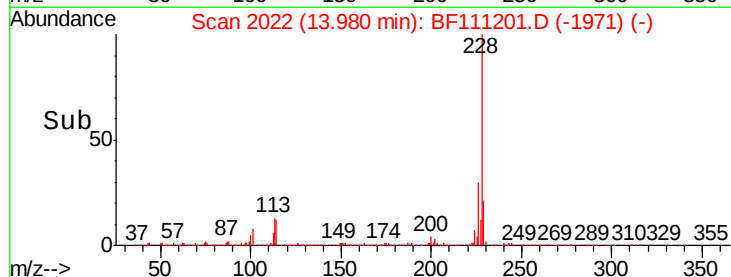
229 21.6 16.9 25.3



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

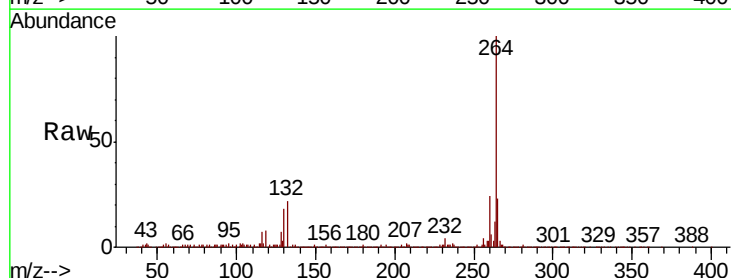
Tgt Ion:264 Resp: 812368

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.0

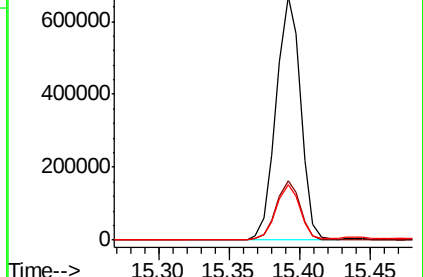
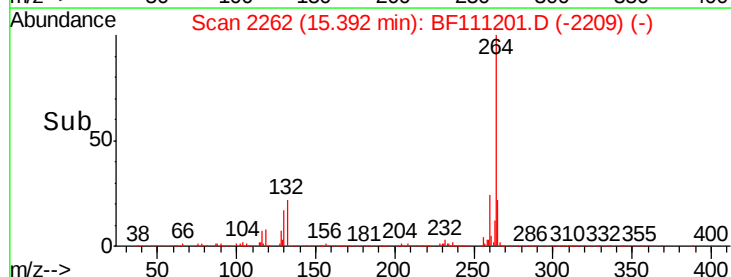
265 22.6 17.4 26.0

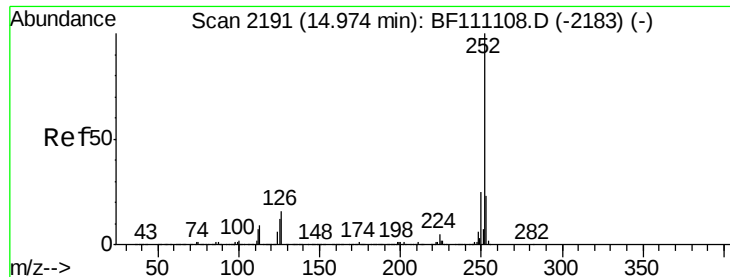


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

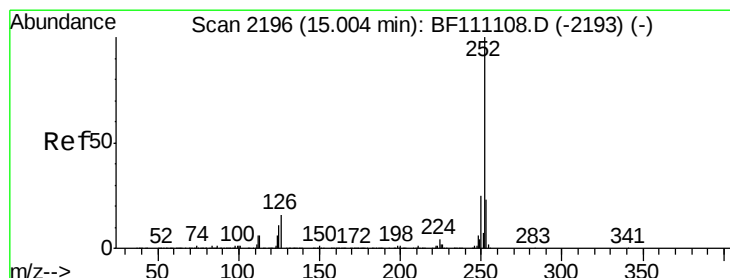
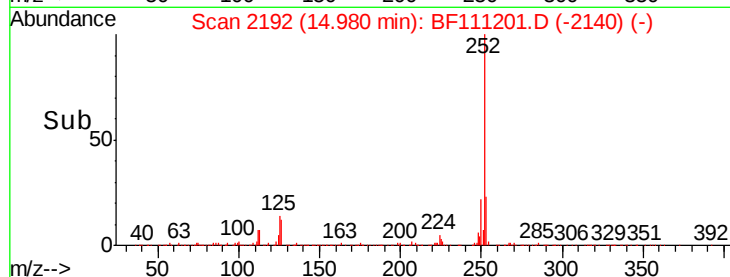
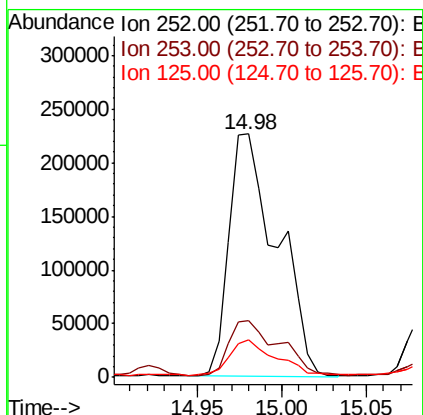
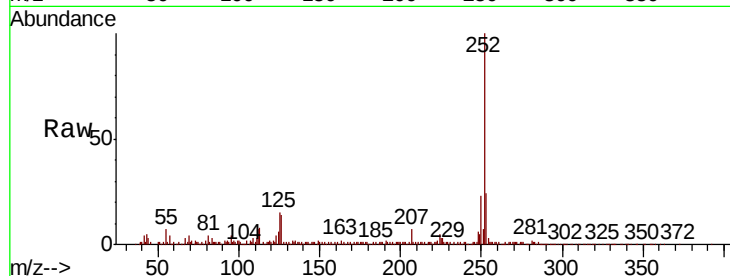




#88
Benzo(b)fluoranthene
Concen: 9.689 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

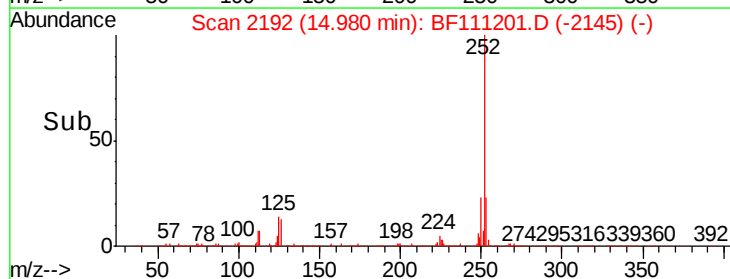
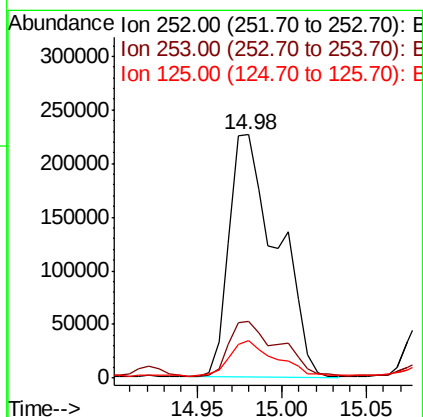
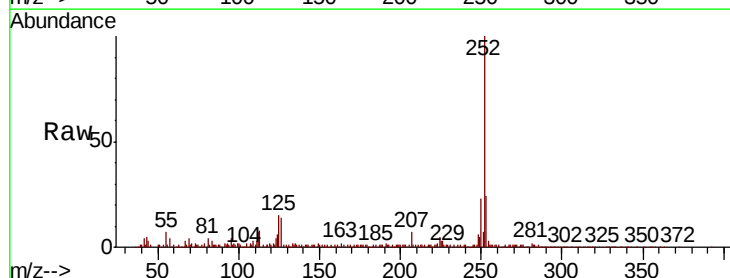
Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

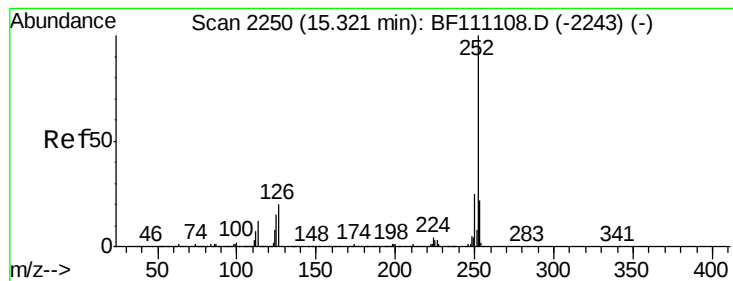
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	15.4	9.9	14.9#



#89
Benzo(k)fluoranthene
Concen: 10.023 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	15.4	9.9	14.9#





#90

Benzo(a)pyrene

Concen: 5.495 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.01 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

SB-4(0-2)

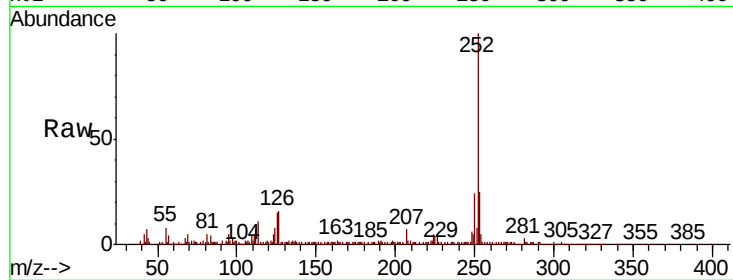
Tgt Ion:252 Resp: 232007

Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

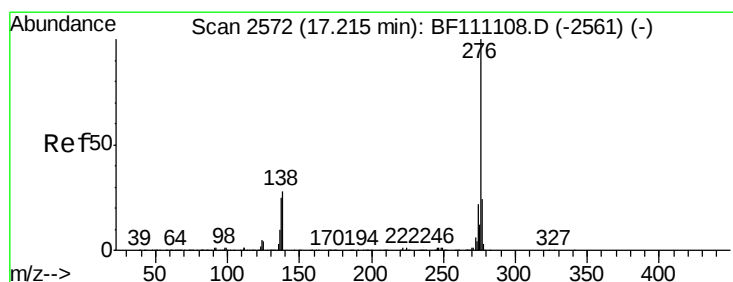
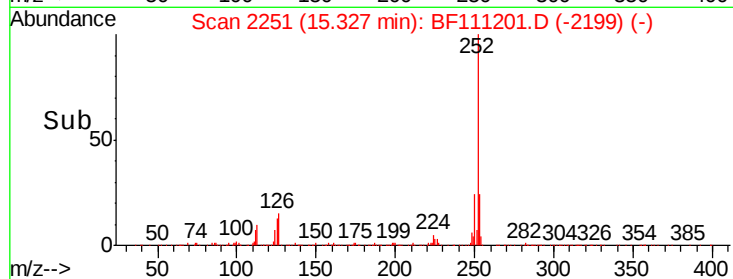
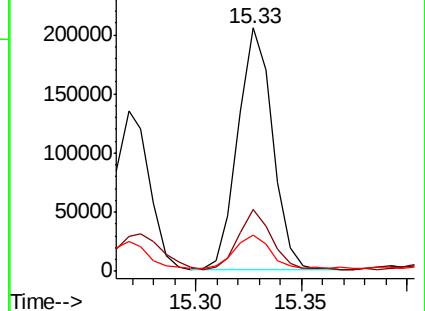
125 14.8 12.4 18.6



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: 3.143 ng

RT: 17.22 min Scan# 2572

Delta R.T. -0.00 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

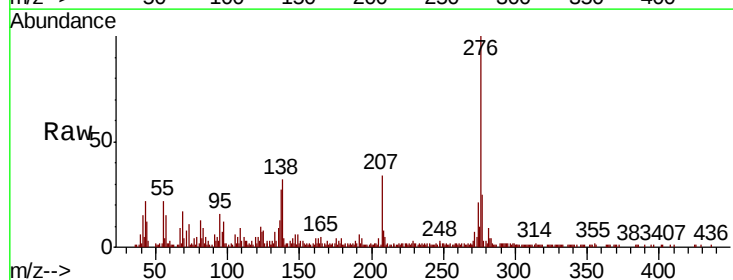
Tgt Ion:276 Resp: 111916

Ion Ratio Lower Upper

276 100

277 25.4 19.3 28.9

138 31.7 22.3 33.5



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

