

Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Time: Dec 16 00:40:25 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	149877	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	595281	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	290544	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	517303	20.00	ng	0.00
76) Chrysene-d12	13.95	240	337217	20.00	ng	0.00
87) Perylene-d12	15.39	264	321485	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1208589	134.19	ng	0.01
7) Phenol-d6	6.44	99	1551361	129.49	ng	0.00
23) Nitrobenzene-d5	7.36	82	950235	95.06	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	315759	121.32	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1390093	73.90	ng	0.00
79) Terphenyl-d14	12.90	244	1206683	84.03	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.45	94	106140	7.953	ng	99
19) n-Nitroso-di-n-propylamine	7.36	70	125136	15.832	ng	# 78
25) Isophorone	7.36	82	950217	56.178	ng	# 64
50) Dimethylphthalate	9.55	163	189372	9.050	ng	98
57) 2,4-Dinitrotoluene	9.83	165	35900	5.807	ng	# 25
67) 4-Bromophenyl-phenylether	10.62	248	20426	3.664	ng	# 1
75) Fluoranthene	12.52	202	259236	9.941	ng	97
78) Pyrene	12.75	202	223368	9.395	ng	95
81) Benzo(a)anthracene	13.94	228	90939	4.960	ng	99
83) Chrysene	13.97	228	82195	4.255	ng	98
86) Indeno(1,2,3-cd)pyrene	16.80	276	52135	3.740	ng	92
88) Benzo(b)fluoranthene	14.97	252	142734	7.615	ng	98
89) Benzo(k)fluoranthene	14.97	252	142734	7.970	ng	# 97
90) Benzo(a)pyrene	15.33	252	73341	4.339	ng	99
92) Benzo(g,h,i)perylene	17.23	276	51483	3.934	ng	94

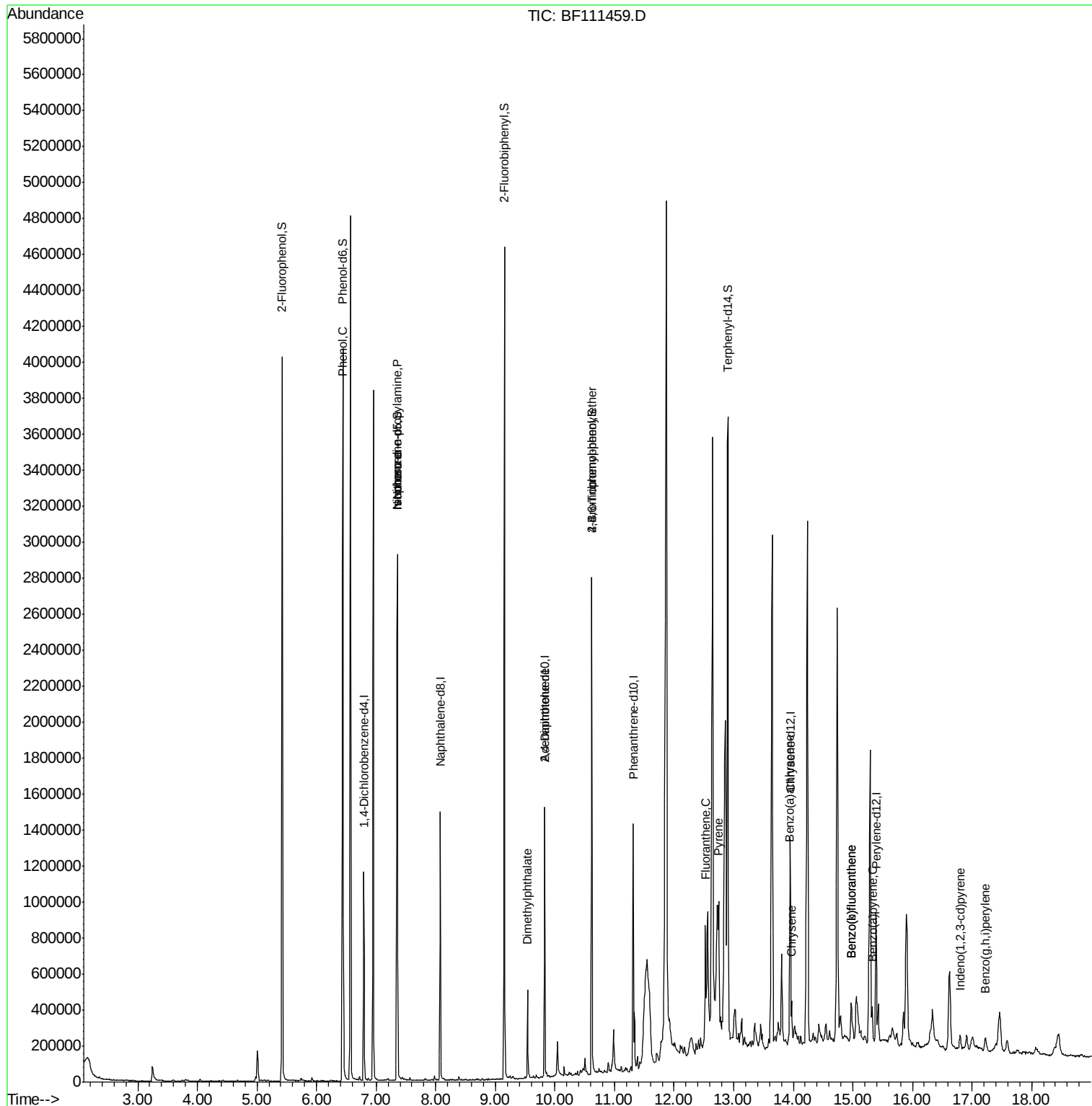
(#) = qualifier out of range (m) = manual integration (+) = signals summed

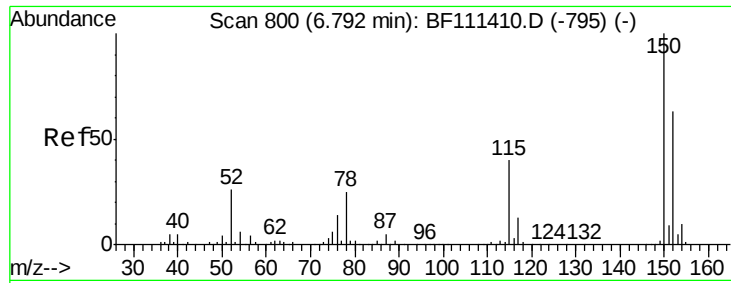
Data File : BF111459.D

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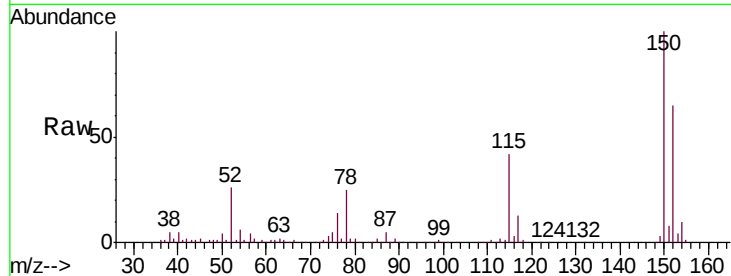




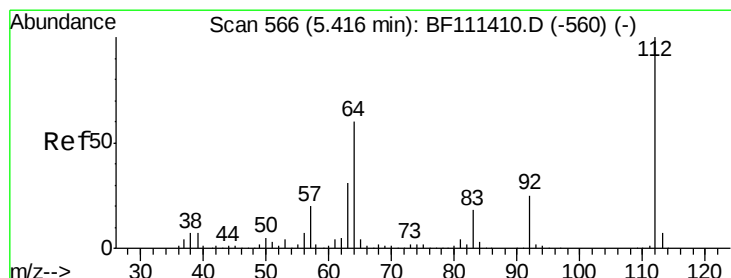
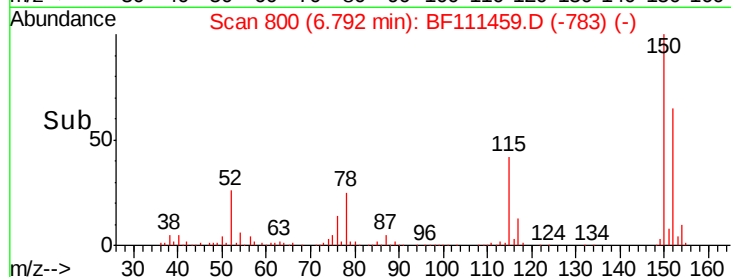
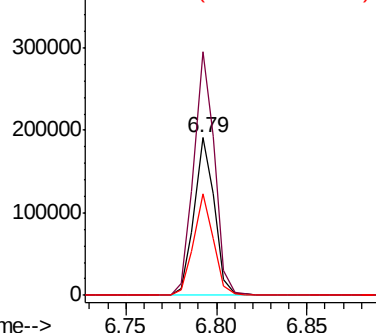
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF111459.D
 Acq: 15 Dec 2018 10:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:152 Resp: 149877
 Ion Ratio Lower Upper
 152 100
 150 154.5 126.6 189.8
 115 64.5 50.7 76.1

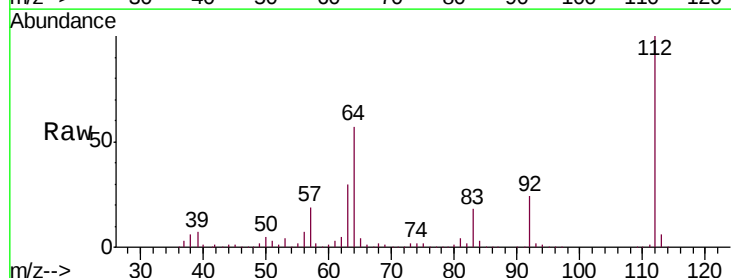


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

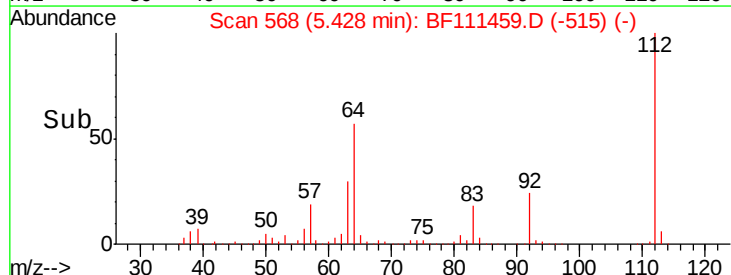
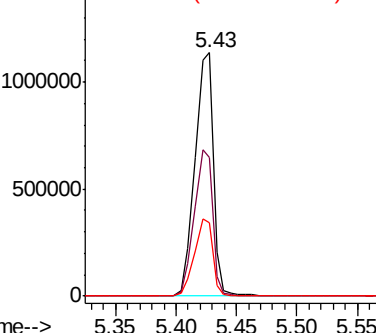


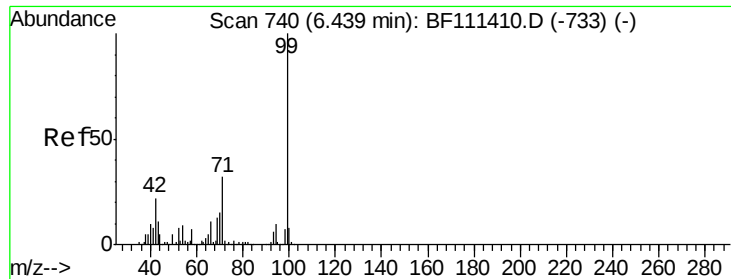
#5
 2-Fluorophenol
 Concen: 134.188 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF111459.D
 Acq: 15 Dec 2018 10:55

Tgt Ion:112 Resp: 1208589
 Ion Ratio Lower Upper
 112 100
 64 57.0 51.8 77.6
 63 30.1 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: 129.491 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF111459.D

Acq: 15 Dec 2018 10:55

Instrument :

BNA_F

ClientSampleId :

TP-1

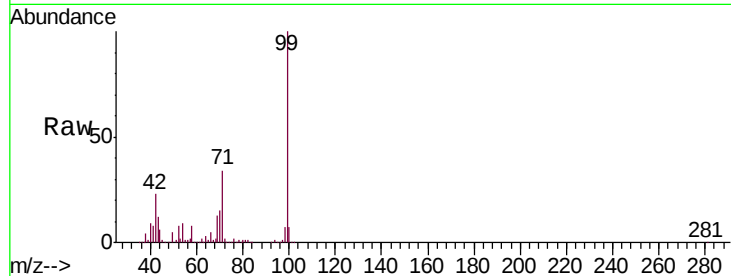
Tgt Ion: 99 Resp: 1551361

Ion Ratio Lower Upper

99 100

42 23.3 17.4 26.0

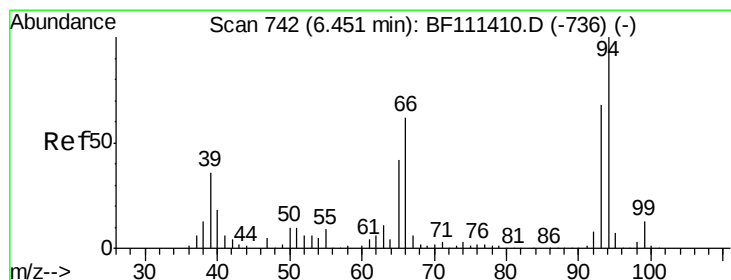
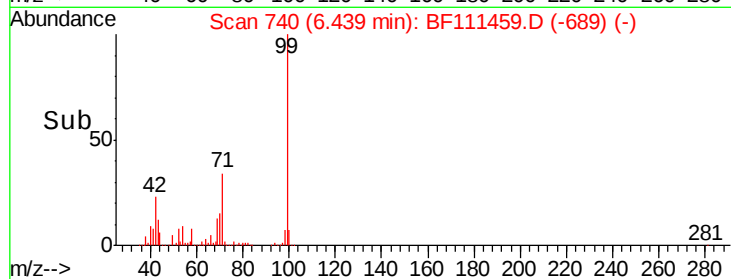
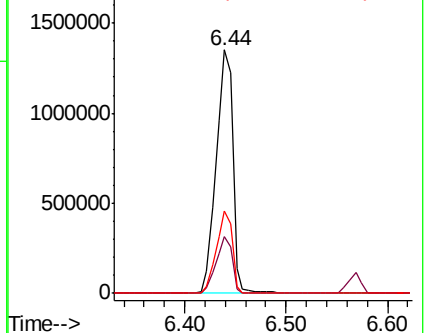
71 33.9 26.1 39.1



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: 7.953 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF111459.D

Acq: 15 Dec 2018 10:55

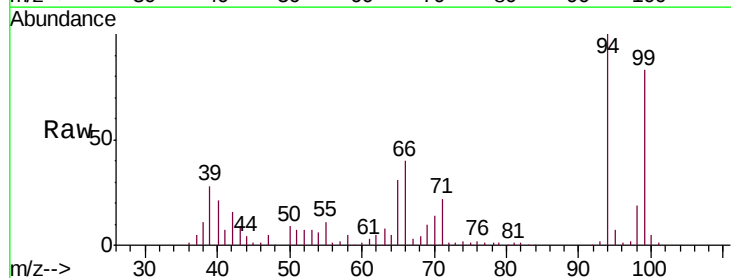
Tgt Ion: 94 Resp: 106140

Ion Ratio Lower Upper

94 100

65 31.2 11.7 51.7

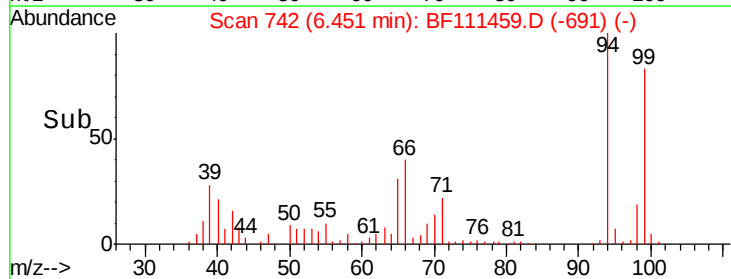
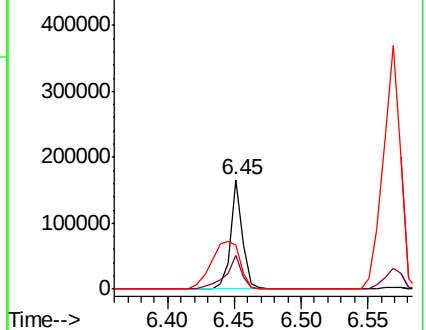
66 40.5 21.0 61.0



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

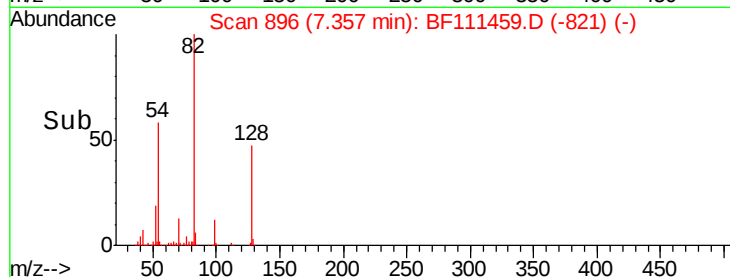
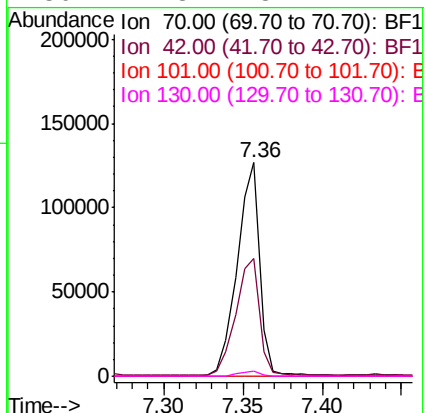
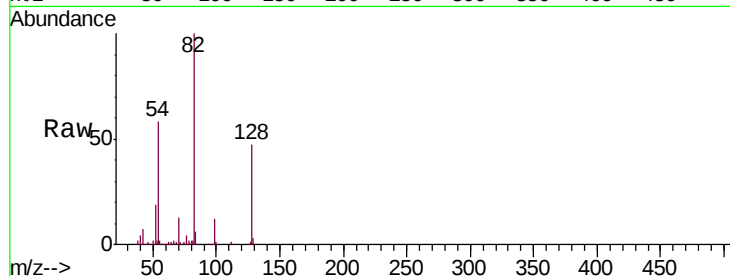




#19
n-Nitroso-di-n-propylamine
Concen: 15.832 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

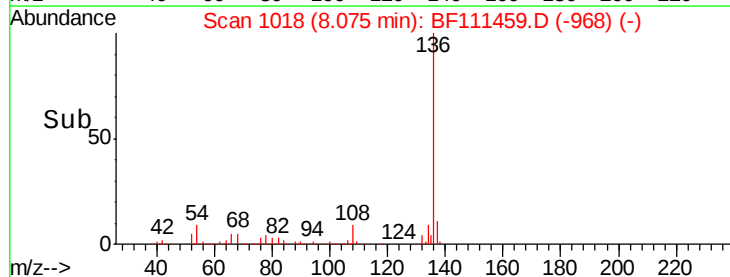
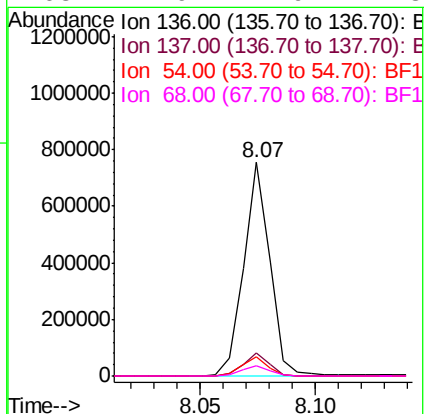
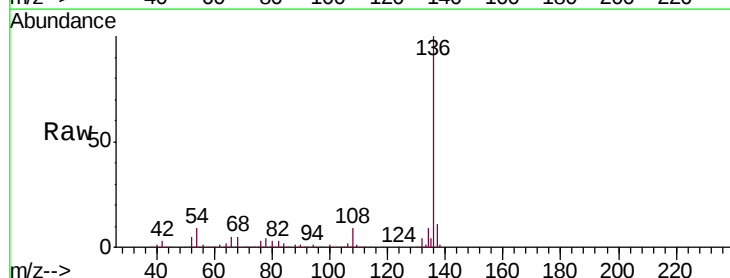
Instrument :
BNA_F
ClientSampleId :
TP-1

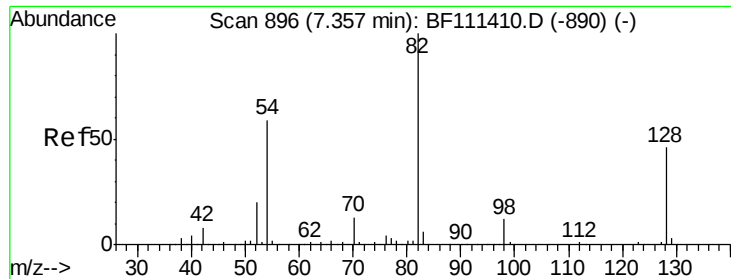
Tgt Ion:	70	Resp:	125136
Ion	Ratio	Lower	Upper
70	100		
42	55.4	53.2	79.8
101	0.0	8.2	12.4#
130	2.3	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

Tgt Ion:	136	Resp:	595281
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	9.0	7.7	11.5
68	4.9	4.9	7.3#

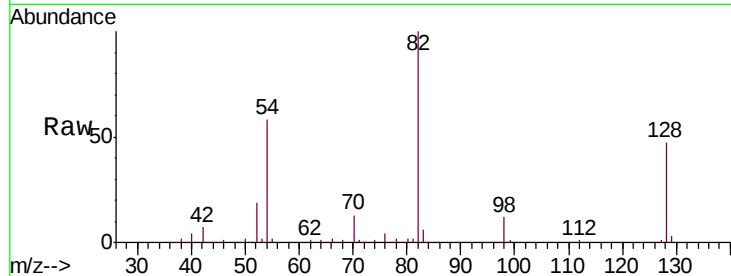




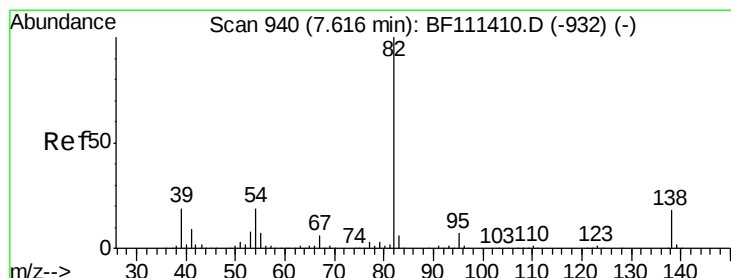
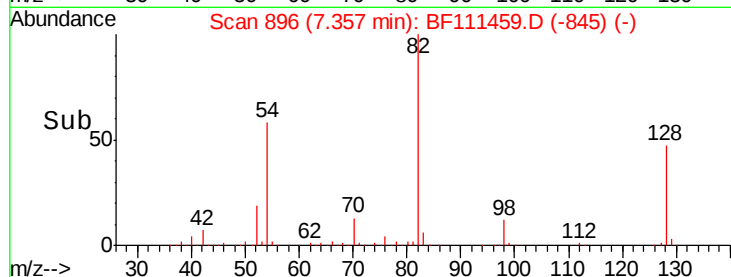
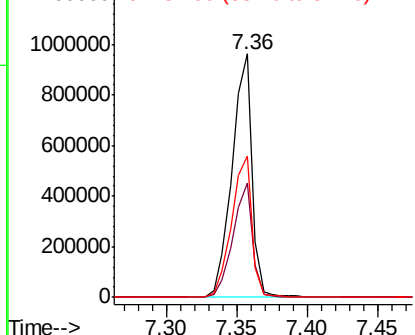
#23
Nitrobenzene-d5
Concen: 95.056 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.00 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.4	56.2
54	57.9	47.6	71.4

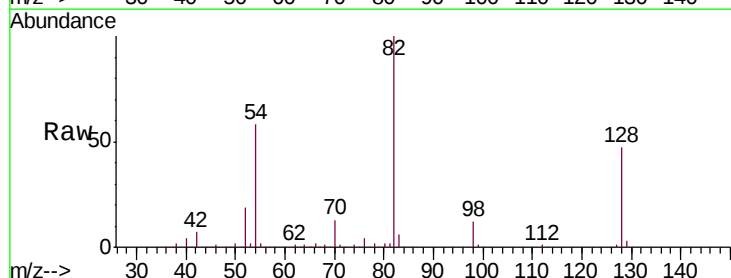


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

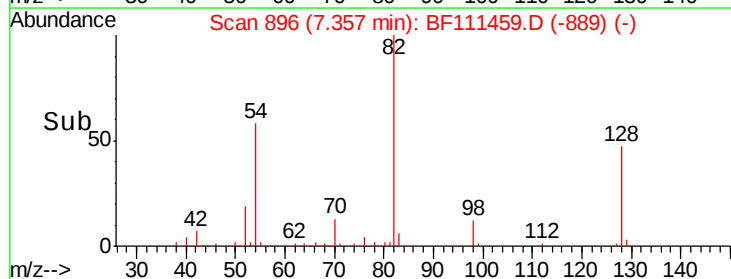
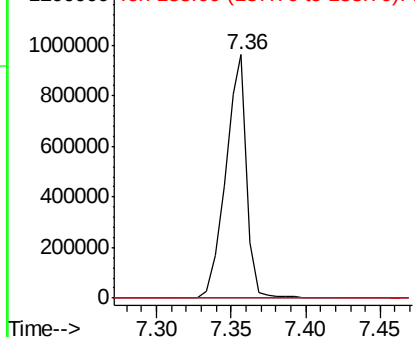


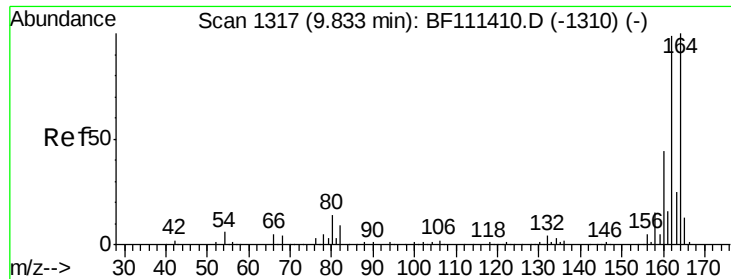
#25
Isophorone
Concen: 56.178 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

Tgt 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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111459.D

Acq: 15 Dec 2018 10:55

Instrument :

BNA_F

ClientSampleId :

TP-1

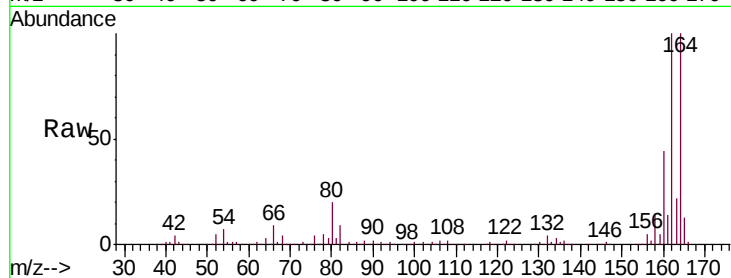
Tgt Ion:164 Resp: 290544

Ion Ratio Lower Upper

164 100

162 100.3 81.4 122.0

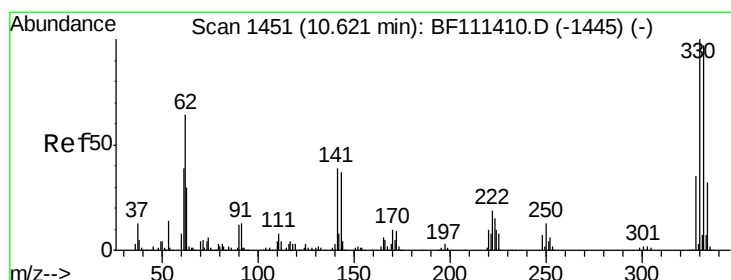
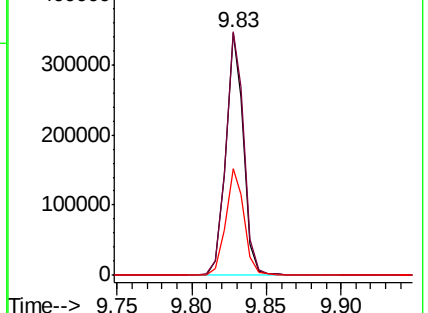
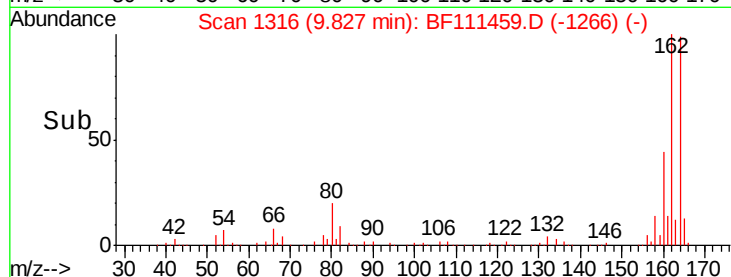
160 44.0 35.7 53.5



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: 121.322 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF111459.D

Acq: 15 Dec 2018 10:55

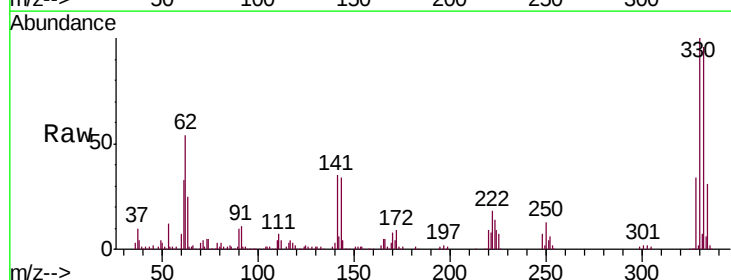
Tgt Ion:330 Resp: 315759

Ion Ratio Lower Upper

330 100

332 96.3 76.0 114.0

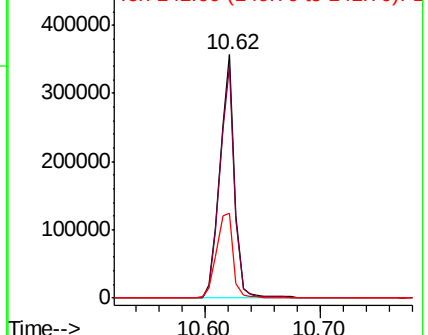
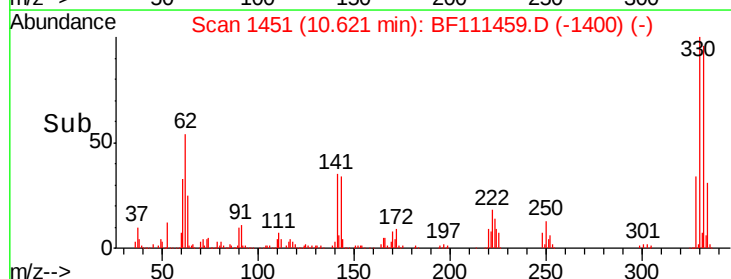
141 40.1 31.0 46.6

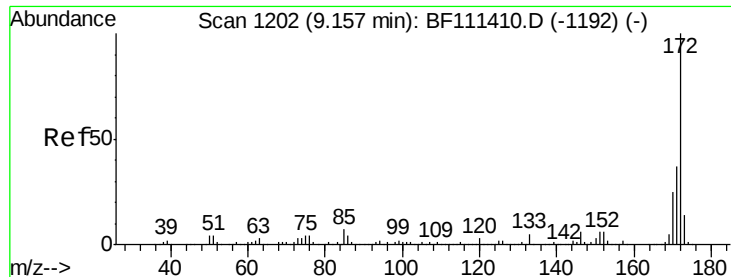


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

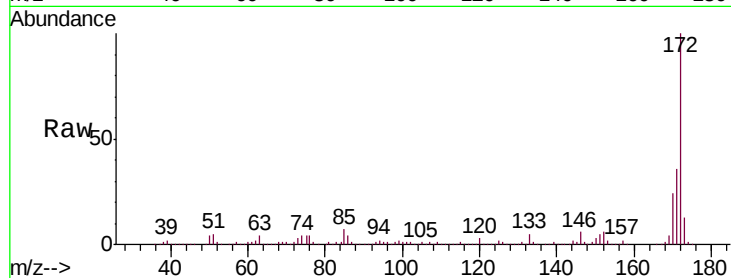




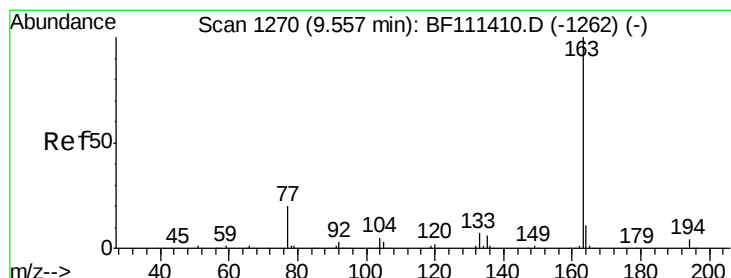
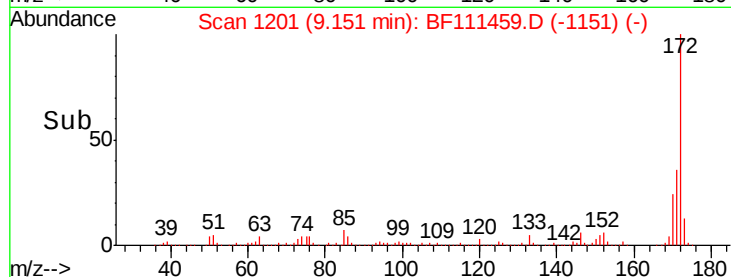
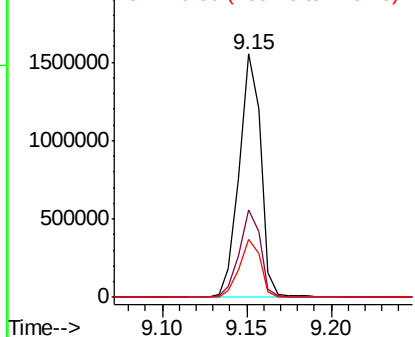
#45
2-Fluorobiphenyl
Concen: 73.902 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:172 Resp: 1390093
Ion Ratio Lower Upper
172 100
171 35.8 33.0 49.4
170 23.6 22.3 33.5

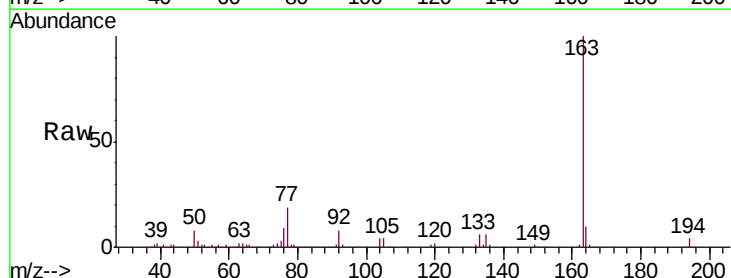


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

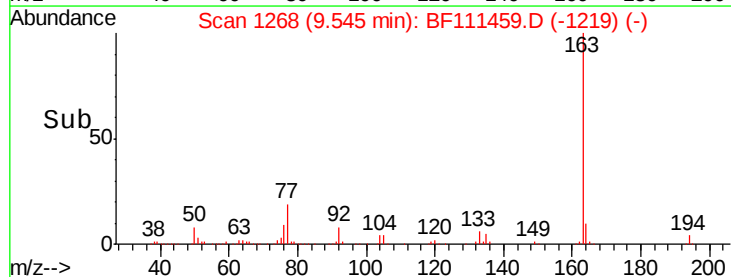
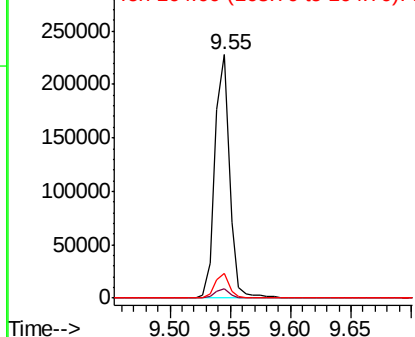


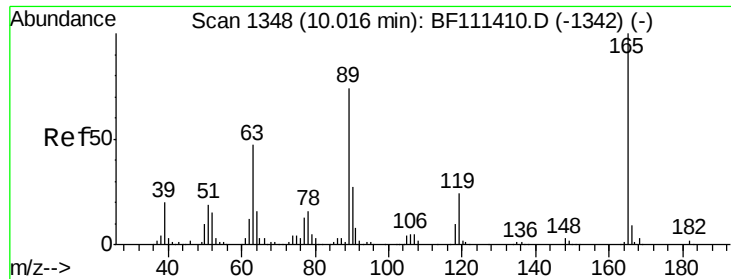
#50
Dimethylphthalate
Concen: 9.050 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

Tgt Ion:163 Resp: 189372
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.1 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

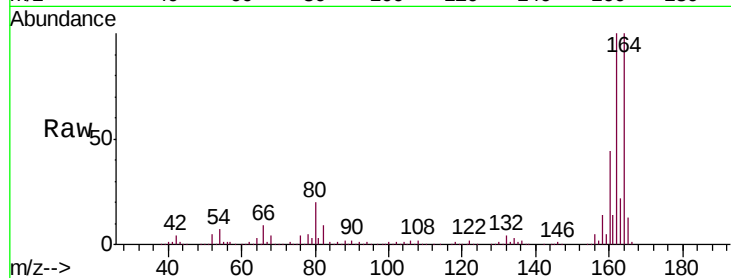




#57
2,4-Dinitrotoluene
Concen: 5.807 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.6	52.0#
89	1.5	56.2	84.4#
182	0.0	1.8	2.6#

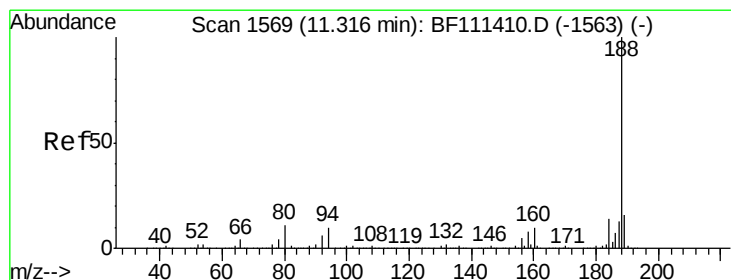
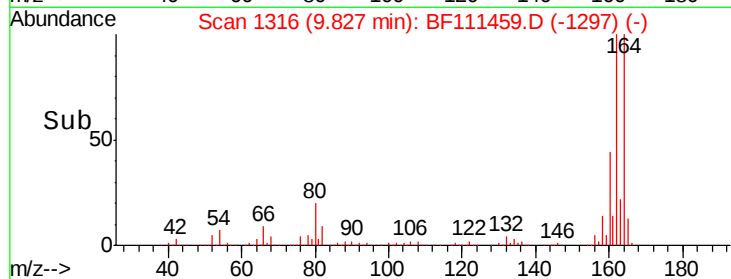
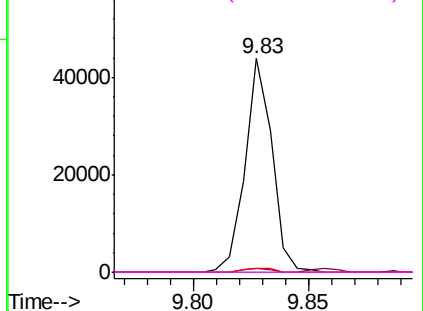


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

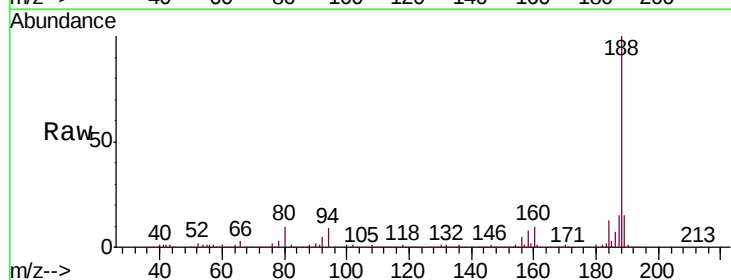
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

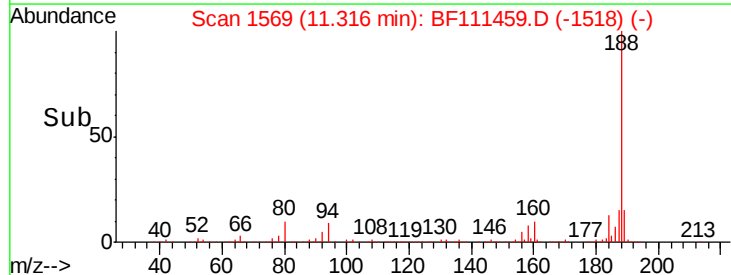
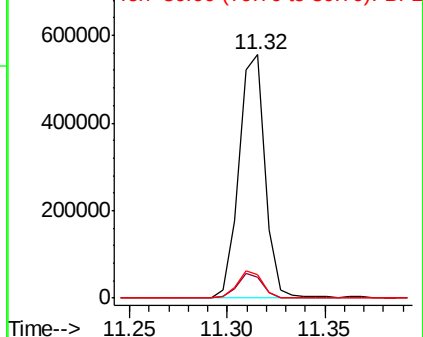
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.6	14.4#
80	9.7	9.8	14.6#

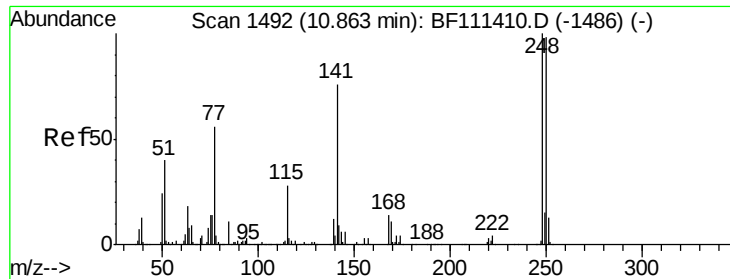


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

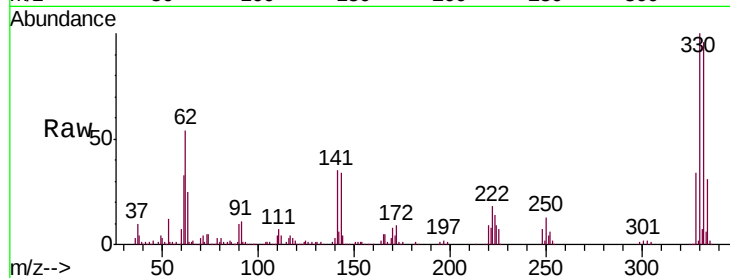




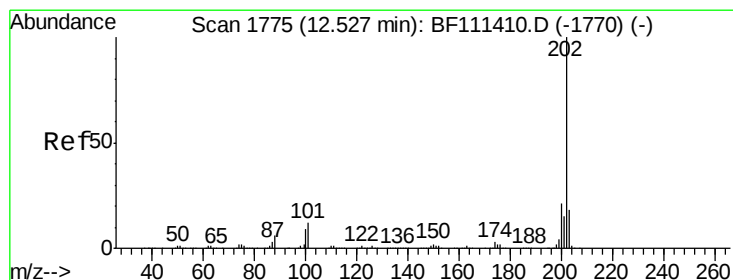
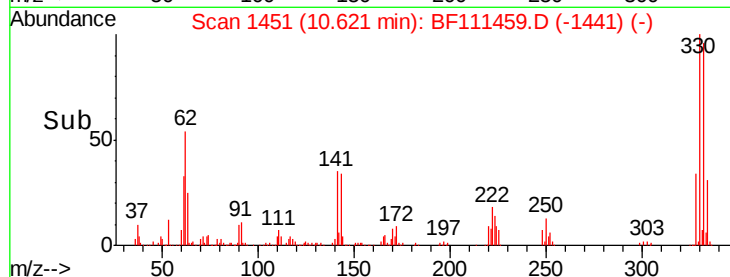
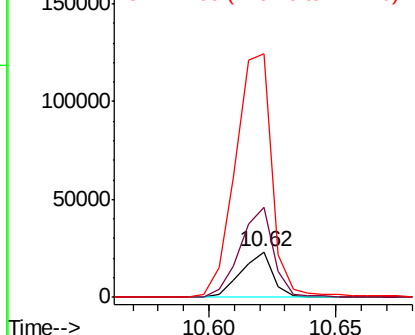
#67
4-Bromophenyl-phenylether
Concen: 3.664 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:248 Resp: 20426
Ion Ratio Lower Upper
248 100
250 196.8 77.0 115.4#
141 534.2 63.0 94.6#

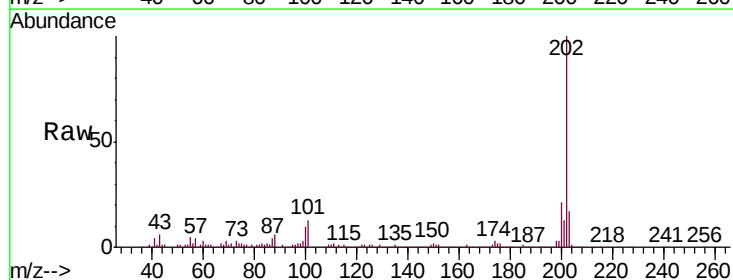


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

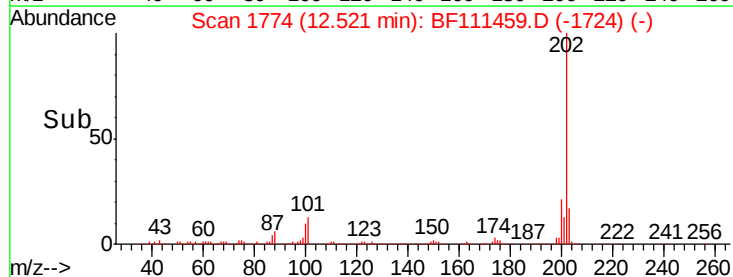
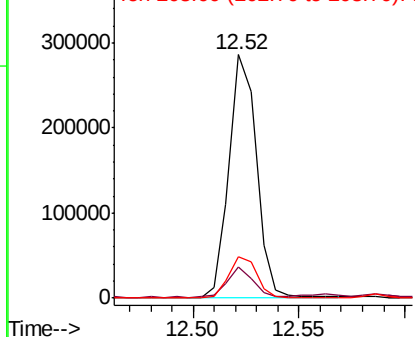


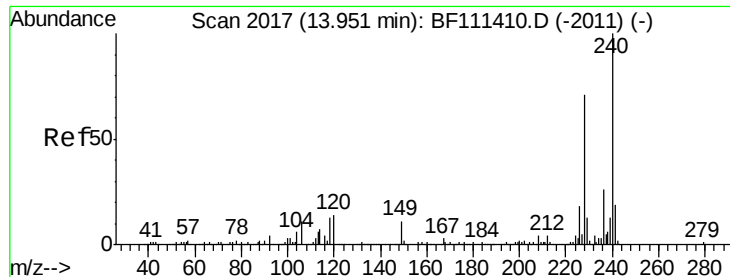
#75
Fluoranthene
Concen: 9.941 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

Tgt Ion:202 Resp: 259236
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.8
203 17.2 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: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF111459.D

Acq: 15 Dec 2018 10:55

Instrument :

BNA_F

ClientSampleId :

TP-1

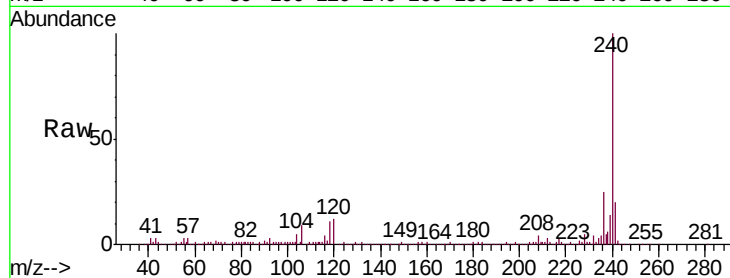
Tgt Ion:240 Resp: 337217

Ion Ratio Lower Upper

240 100

120 12.2 12.2 18.2

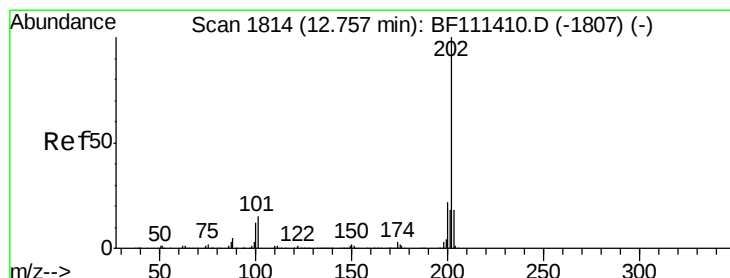
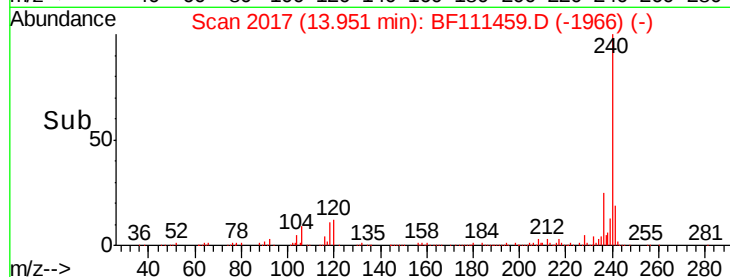
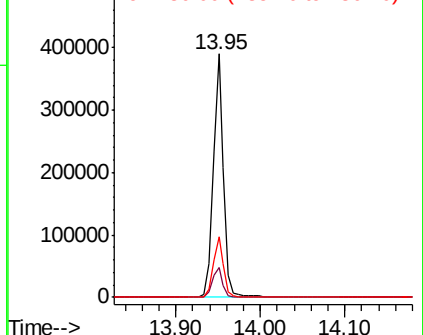
236 24.8 20.2 30.2



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: 9.395 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111459.D

Acq: 15 Dec 2018 10:55

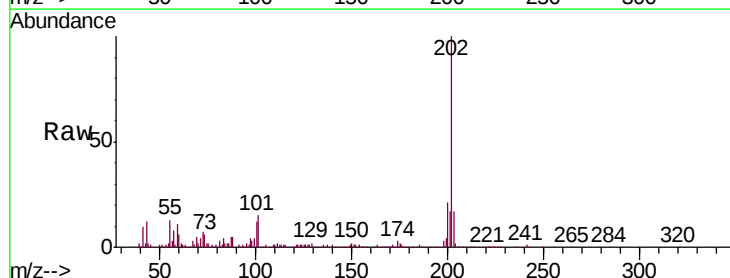
Tgt Ion:202 Resp: 223368

Ion Ratio Lower Upper

202 100

200 20.8 19.0 28.4

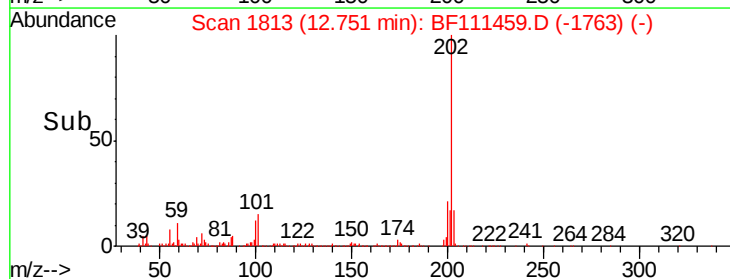
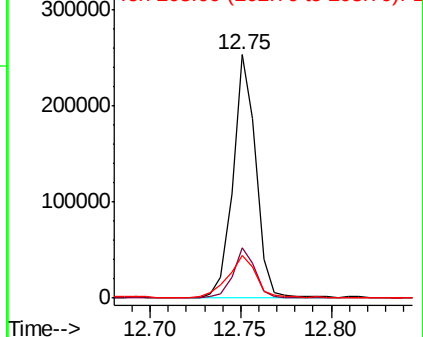
203 17.3 15.2 22.8

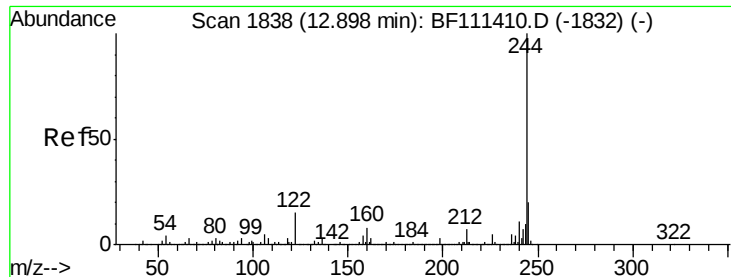


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 84.028 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF111459.D

Acq: 15 Dec 2018 10:55

Instrument :

BNA_F

ClientSampleId :

TP-1

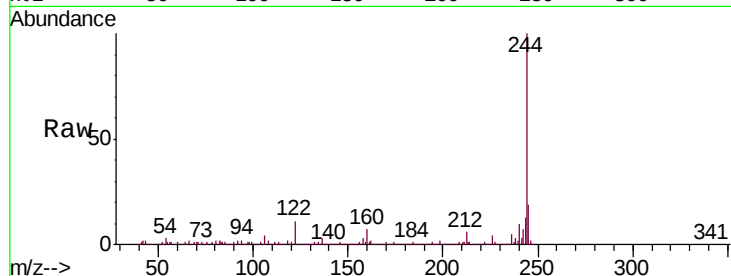
Tgt Ion:244 Resp: 1206683

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

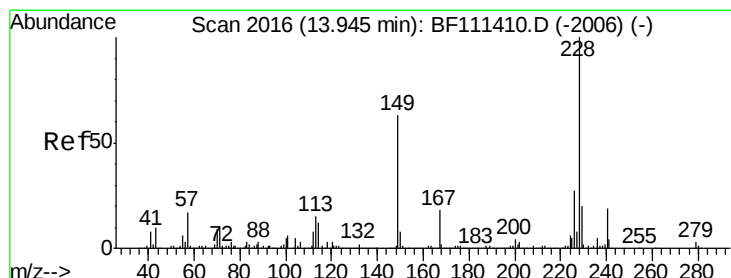
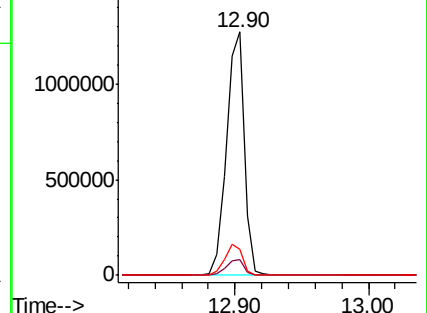
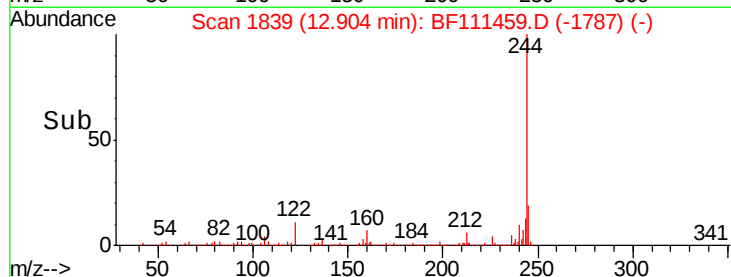
122 10.8 13.1 19.7#



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: 4.960 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111459.D

Acq: 15 Dec 2018 10:55

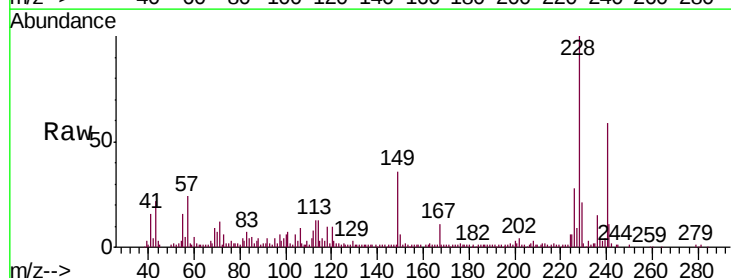
Tgt Ion:228 Resp: 90939

Ion Ratio Lower Upper

228 100

226 28.0 22.6 34.0

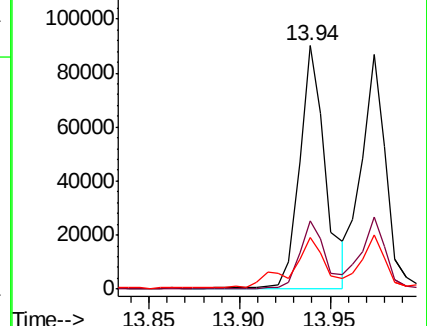
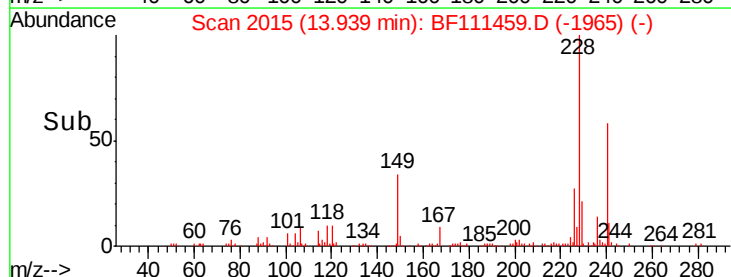
229 21.2 16.3 24.5

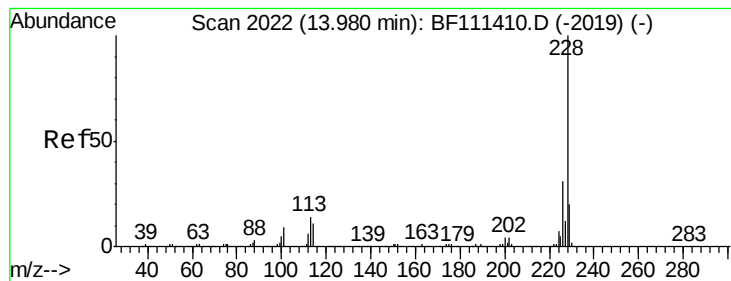


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.255 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF111459.D

Acq: 15 Dec 2018 10:55

Instrument :

BNA_F

ClientSampleId :

TP-1

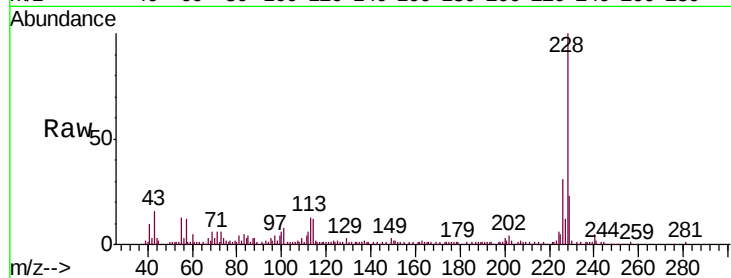
Tgt Ion:228 Resp: 82195

Ion Ratio Lower Upper

228 100

226 30.6 25.3 37.9

229 22.8 17.2 25.8

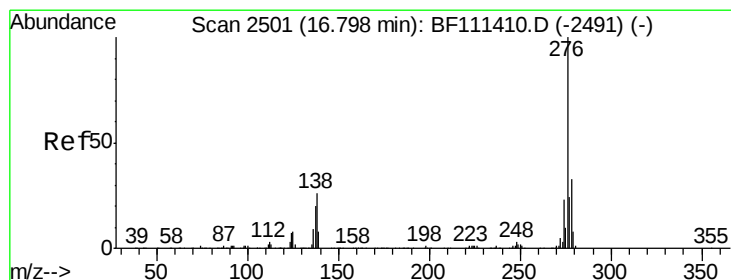
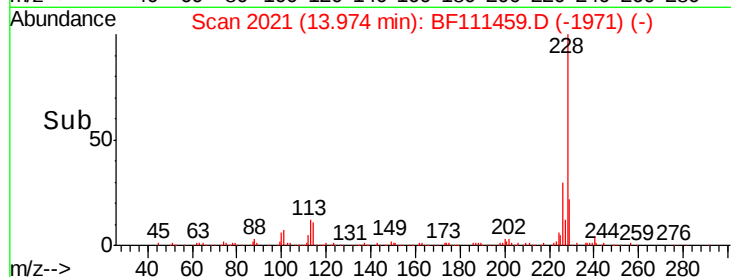
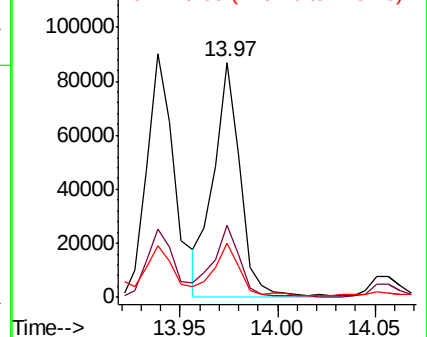


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.740 ng

RT: 16.80 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BF111459.D

Acq: 15 Dec 2018 10:55

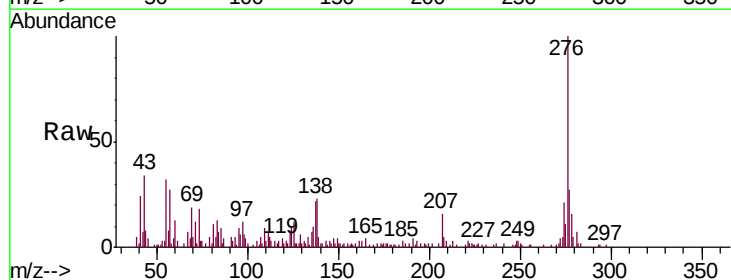
Tgt Ion:276 Resp: 52135

Ion Ratio Lower Upper

276 100

138 28.3 27.8 41.6

277 26.6 20.1 30.1

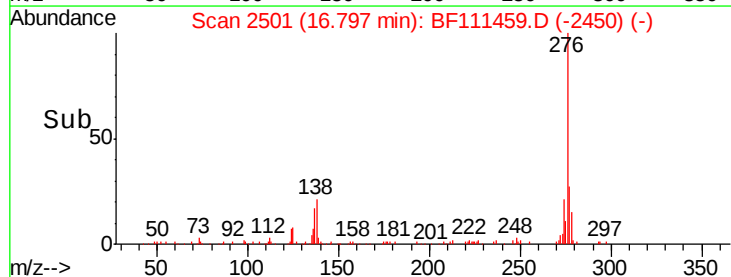
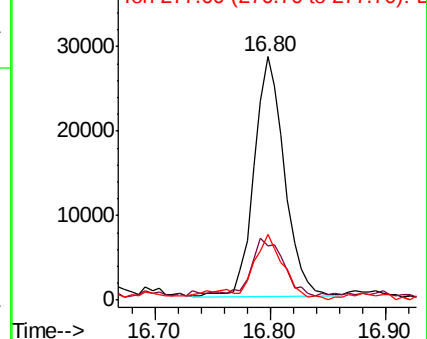


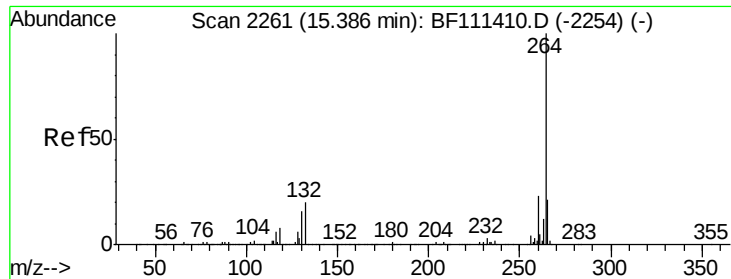
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

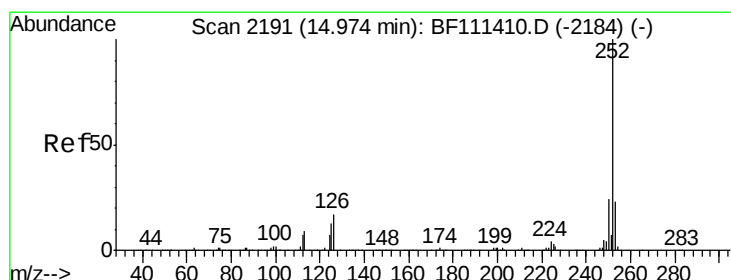
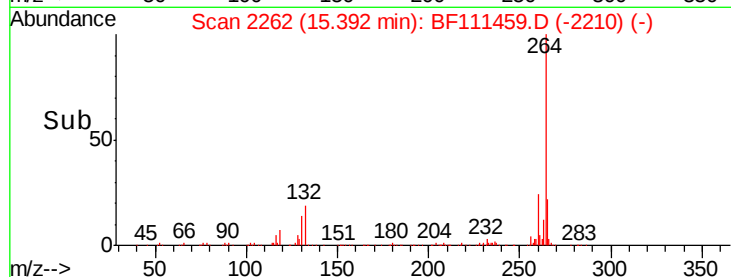
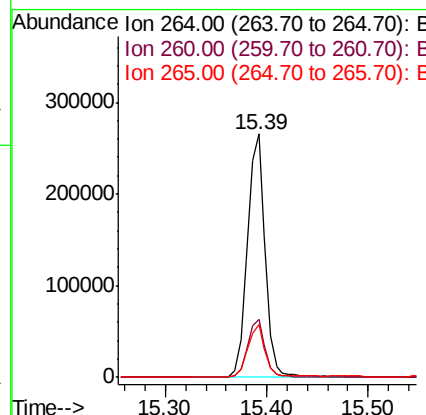
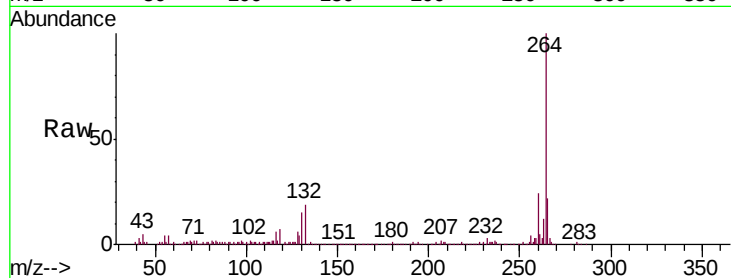




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

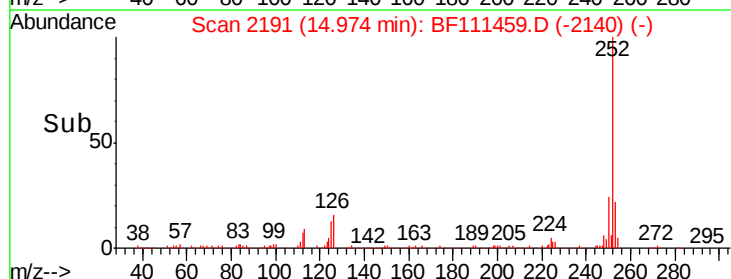
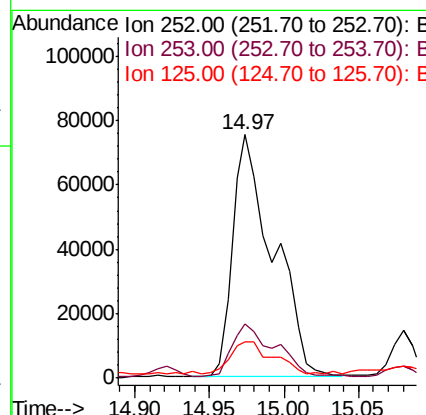
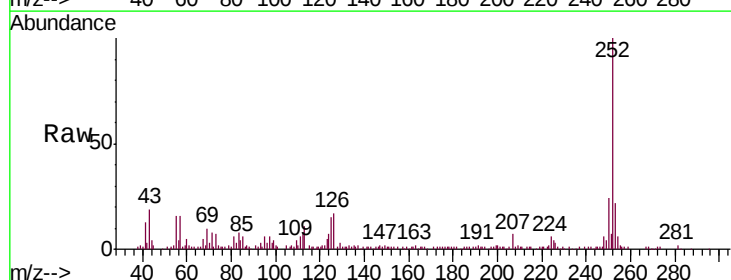
Instrument :
BNA_F
ClientSampleId :
TP-1

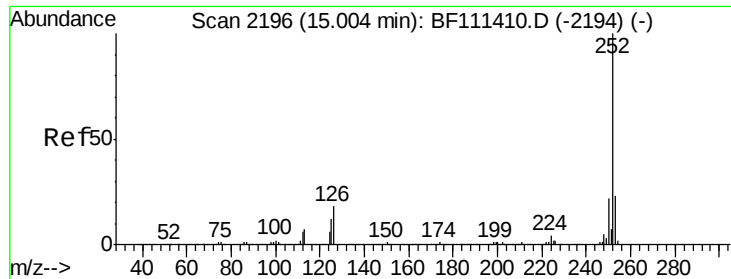
Tgt Ion:264 Resp: 321485
Ion Ratio Lower Upper
264 100
260 23.9 18.3 27.5
265 21.9 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 7.615 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

Tgt Ion:252 Resp: 142734
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 15.0 10.4 15.6

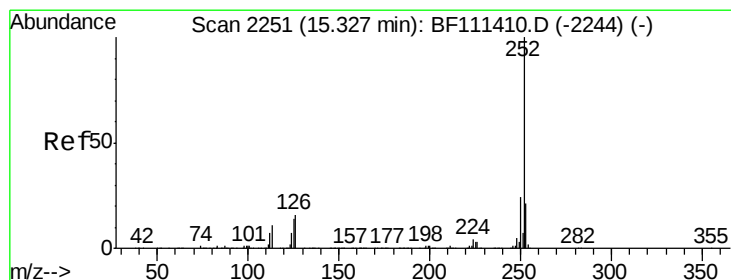
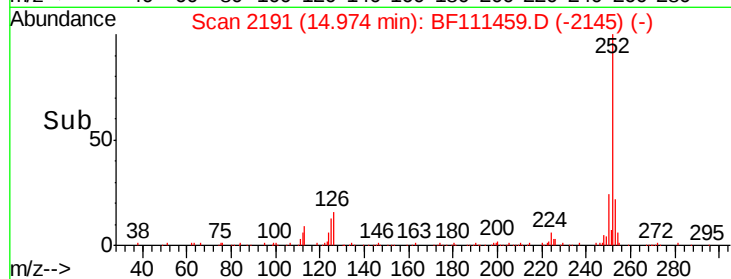
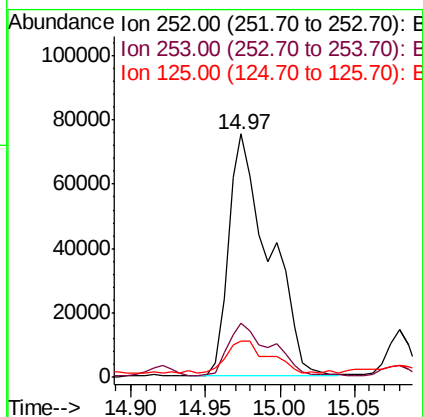
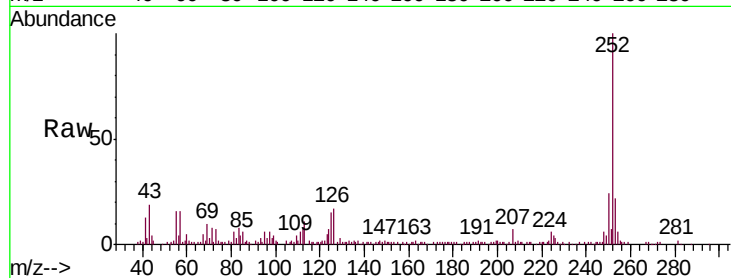




#89
Benzo(k)fluoranthene
Concen: 7.970 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

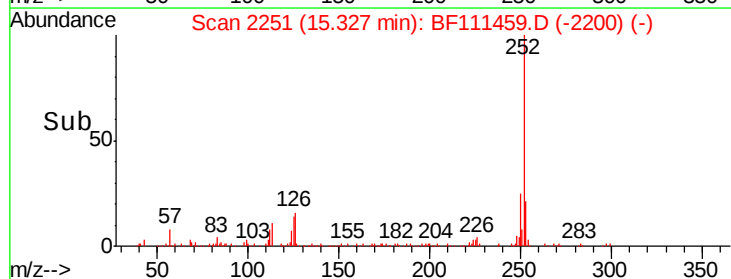
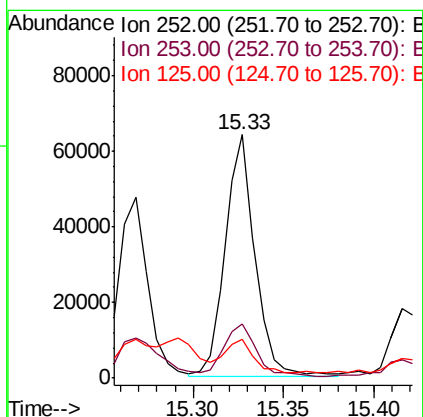
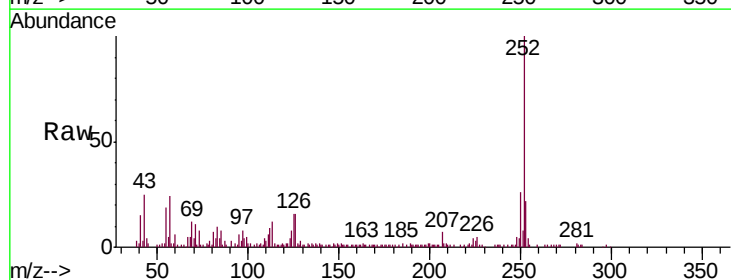
Instrument :
BNA_F
ClientSampleId :
TP-1

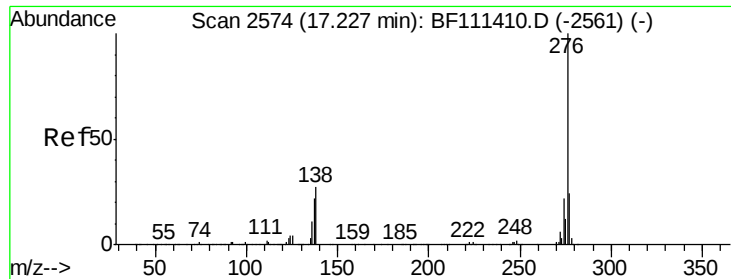
Tgt Ion:252 Resp: 142734
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 15.0 9.8 14.8#



#90
Benzo(a)pyrene
Concen: 4.339 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.00 min
Lab File: BF111459.D
Acq: 15 Dec 2018 10:55

Tgt Ion:252 Resp: 73341
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 16.1 12.3 18.5

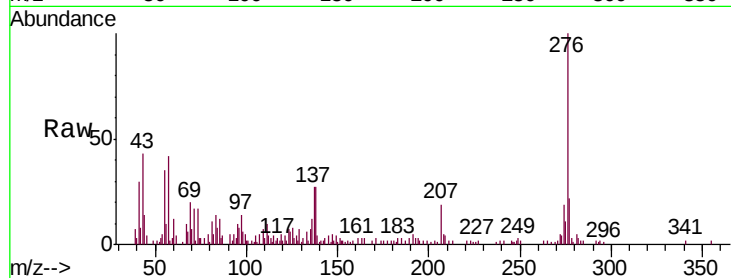




#92
 Benzo(g,h,i)perylene
 Concen: 3.934 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. -0.00 min
 Lab File: BF111459.D
 Acq: 15 Dec 2018 10:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	19.2	28.8
138	27.2	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

