

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111559.D
 Acq On : 18 Dec 2018 00:35
 Operator : JU/SJ
 Sample : J6403-41
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-A

Quant Time: Dec 18 04:13:54 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	204640	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	796908	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	256782	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	422405	20.00	ng	-0.01
76) Chrysene-d12	13.94	240	283125	20.00	ng	0.00
87) Perylene-d12	15.39	264	356137	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1361847	110.74	ng	0.00
7) Phenol-d6	6.44	99	1748453	106.89	ng	0.00
23) Nitrobenzene-d5	7.35	82	1039225	77.66	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	217844	94.71	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1666980	100.28	ng	-0.01
79) Terphenyl-d14	12.89	244	919106	76.23	ng	0.00

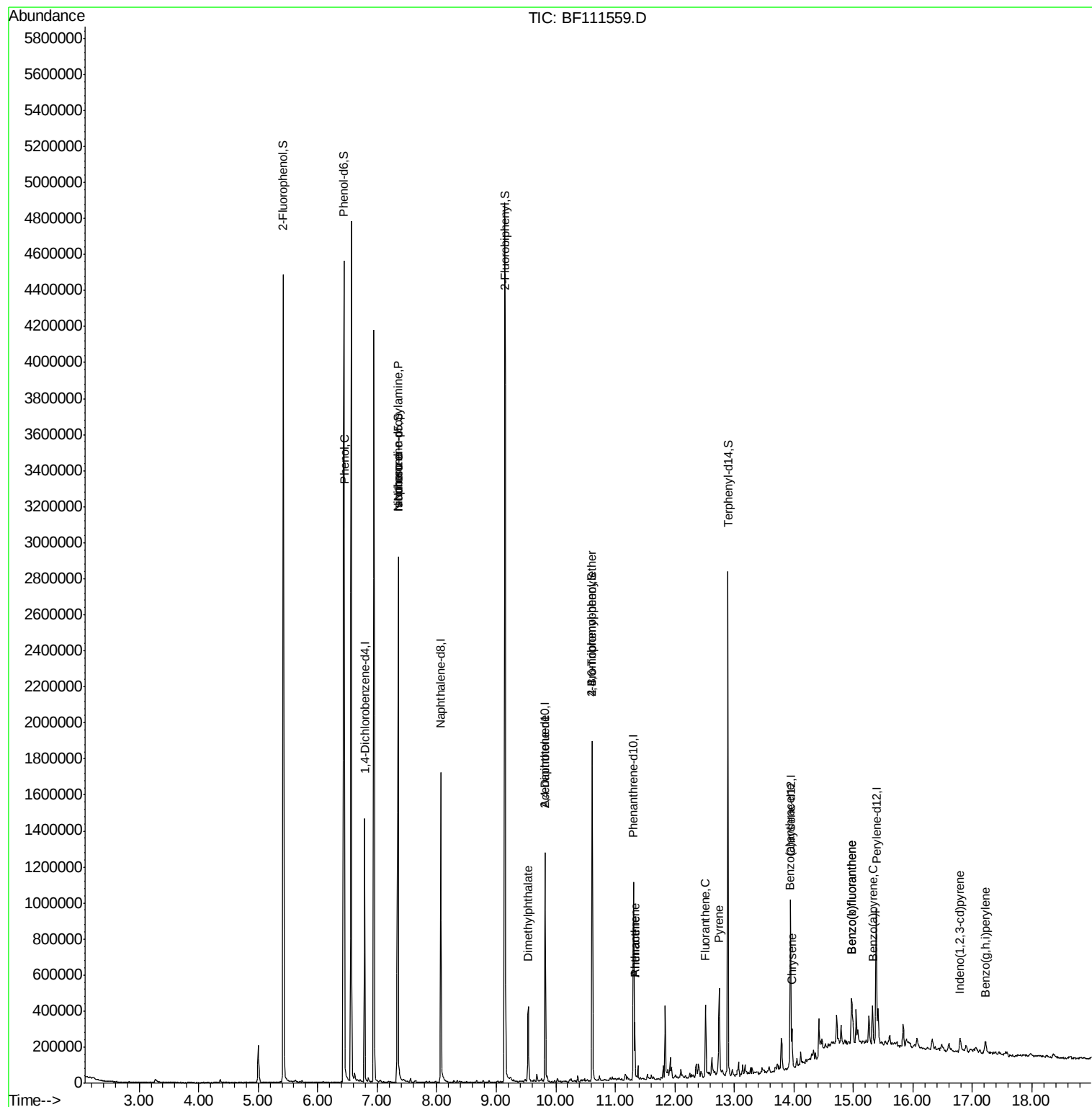
Target Compounds				Qvalue		
10) Phenol	6.45	94	92918	5.099	ng	90
19) n-Nitroso-di-n-propylamine	7.35	70	135343	12.541	ng	# 74
25) Isophorone	7.35	82	1039211	45.895	ng	# 64
50) Dimethylphthalate	9.54	163	178703	9.663	ng	98
57) 2,4-Dinitrotoluene	9.82	165	33136	6.065	ng	# 25
67) 4-Bromophenyl-phenylether	10.62	248	13665	3.002	ng	# 1
71) Phenanthrene	11.33	178	115150	5.290	ng	# 92
72) Anthracene	11.33	178	115150	5.173	ng	93
75) Fluoranthene	12.52	202	164969	7.747	ng	97
78) Pyrene	12.75	202	200414	10.040	ng	95
81) Benzo(a)anthracene	13.93	228	85121	5.529	ng	99
83) Chrysene	13.97	228	73644	4.541	ng	97
86) Indeno(1,2,3-cd)pyrene	16.79	276	46395	3.964	ng	# 88
88) Benzo(b)fluoranthene	14.97	252	176387	8.495	ng	99
89) Benzo(k)fluoranthene	14.97	252	176387	8.891	ng	98
90) Benzo(a)pyrene	15.32	252	103971	5.553	ng	99
92) Benzo(g,h,i)perylene	17.22	276	46935	3.237	ng	96

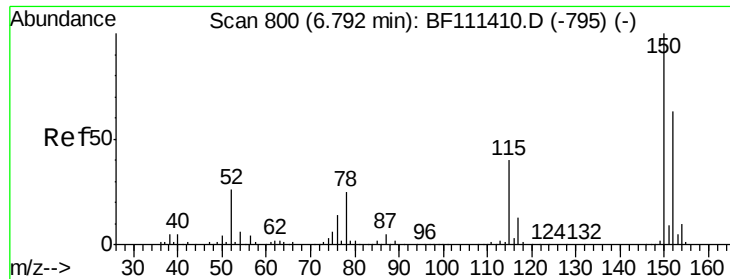
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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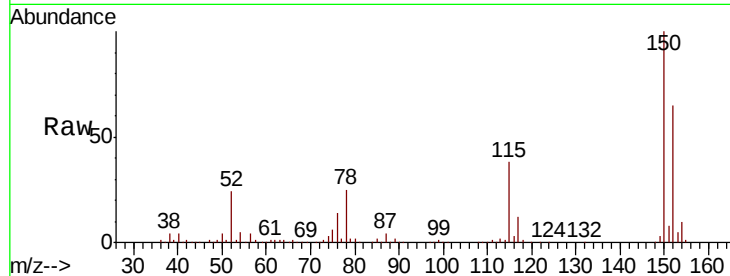


#1

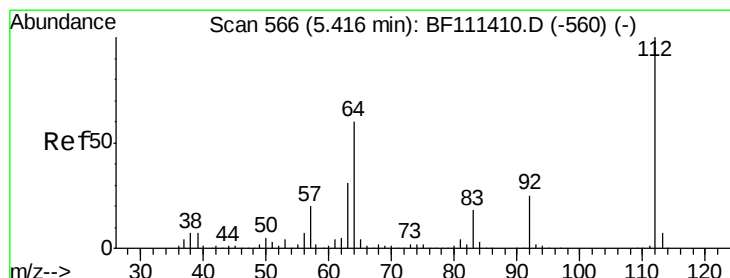
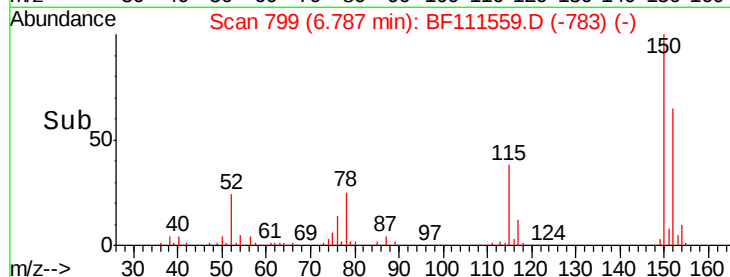
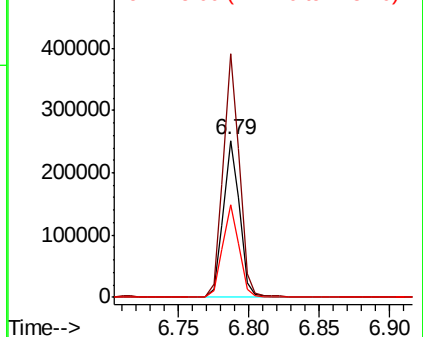
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF111559.D
 Acq: 18 Dec 2018 00:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-A

Tgt Ion:152 Resp: 204640
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.6 189.8
 115 59.2 50.7 76.1



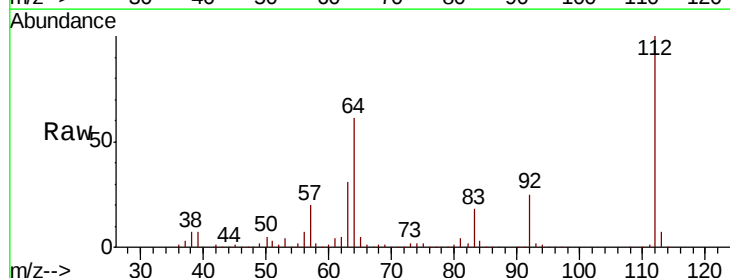
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



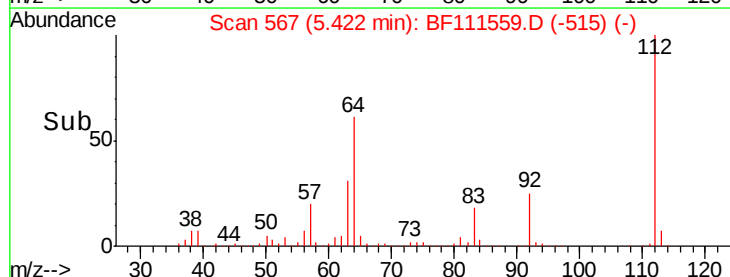
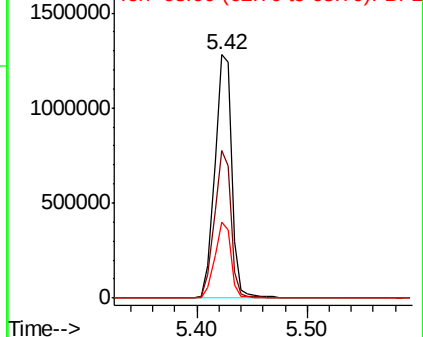
#5

2-Fluorophenol
 Concen: 110.741 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111559.D
 Acq: 18 Dec 2018 00:35

Tgt Ion:112 Resp: 1361847
 Ion Ratio Lower Upper
 112 100
 64 60.7 51.8 77.6
 63 31.2 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: 106.887 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Instrument :

BNA_F

ClientSampleId :

TP-6-A

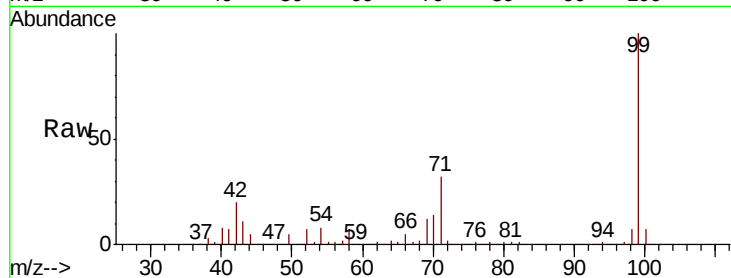
Tgt Ion: 99 Resp: 1748453

Ion Ratio Lower Upper

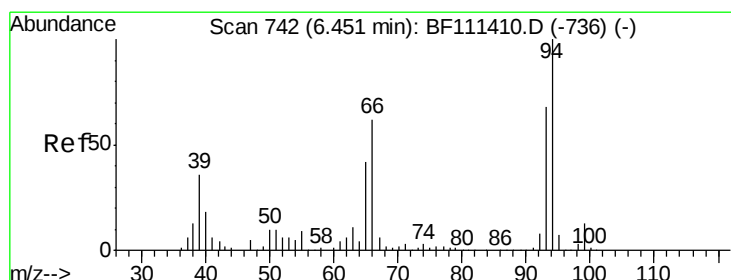
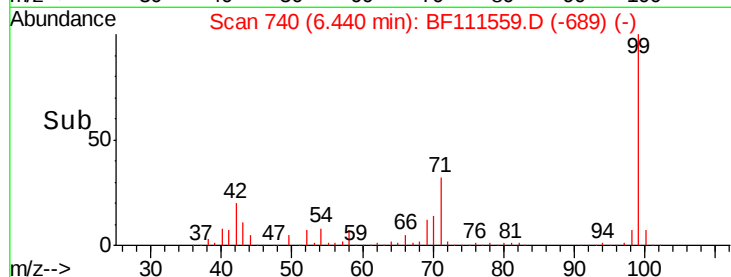
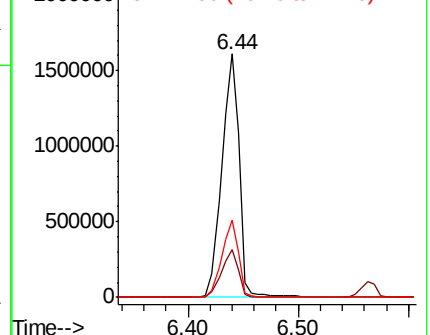
99 100

42 19.8 17.4 26.0

71 31.5 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: 5.099 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

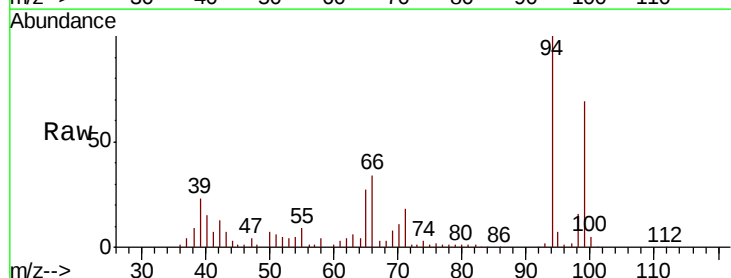
Tgt Ion: 94 Resp: 92918

Ion Ratio Lower Upper

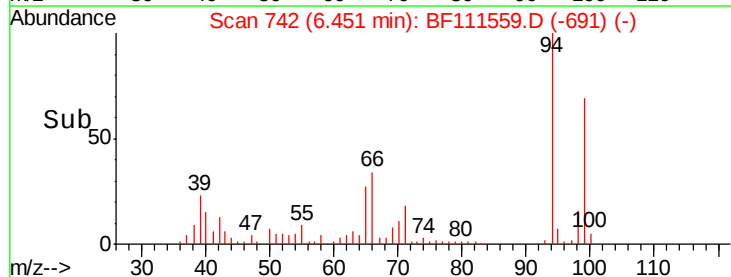
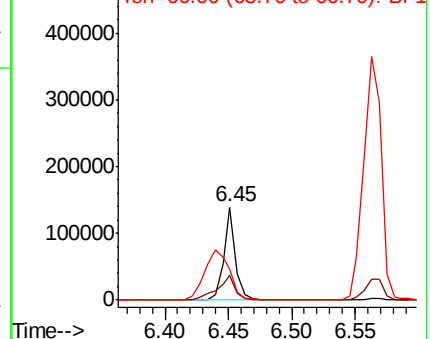
94 100

65 26.8 11.7 51.7

66 34.1 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

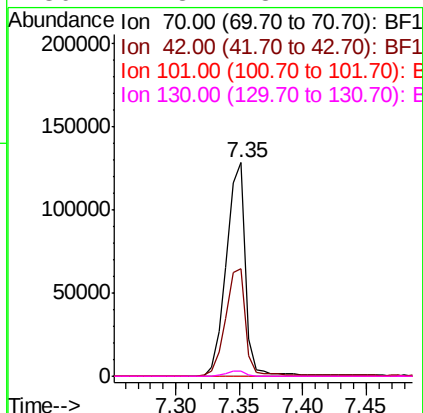
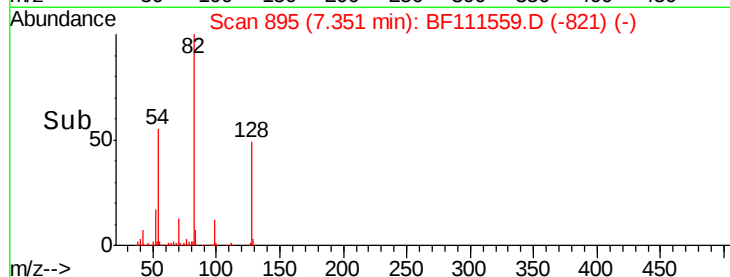
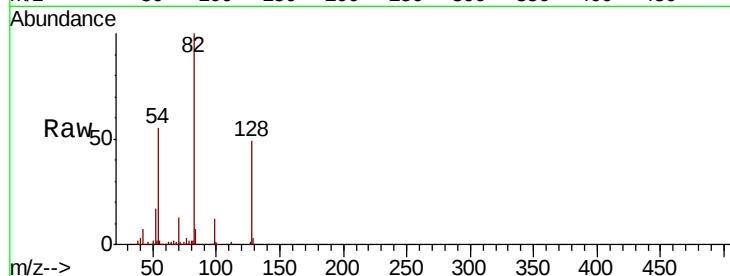




#19
n-Nitroso-di-n-propylamine
Concen: 12.541 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

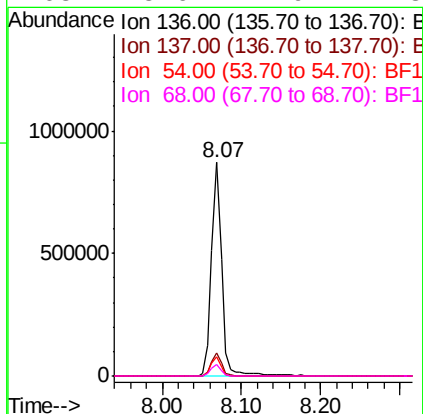
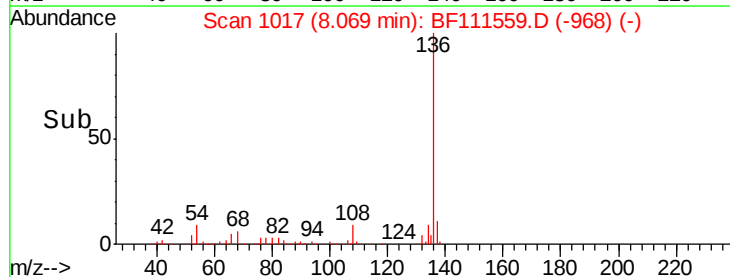
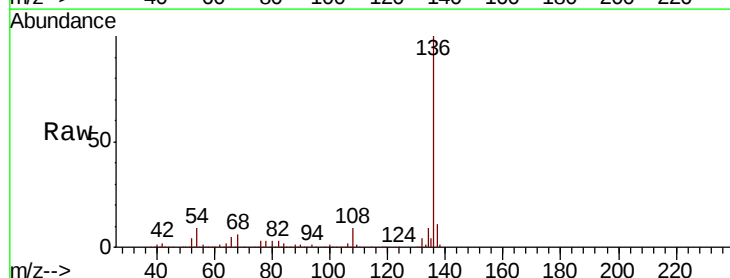
Instrument :
BNA_F
ClientSampleId :
TP-6-A

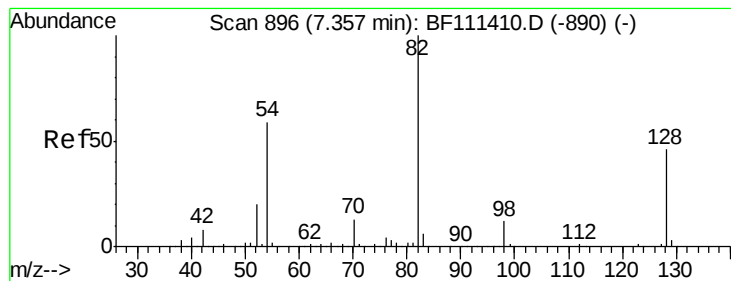
Tgt Ion: 70 Resp: 135343
Ion Ratio Lower Upper
70 100
42 50.2 53.2 79.8#
101 0.0 8.2 12.4#
130 2.3 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion: 136 Resp: 796908
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 9.0 7.7 11.5
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 77.656 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Instrument :

BNA_F

ClientSampleId :

TP-6-A

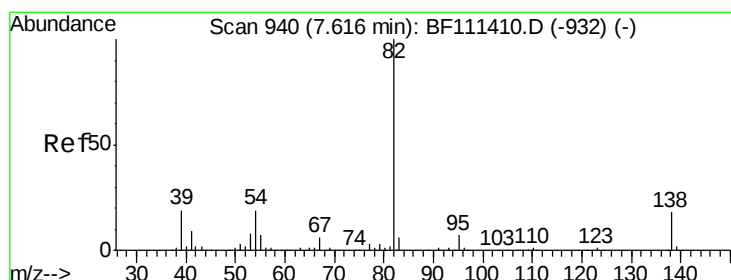
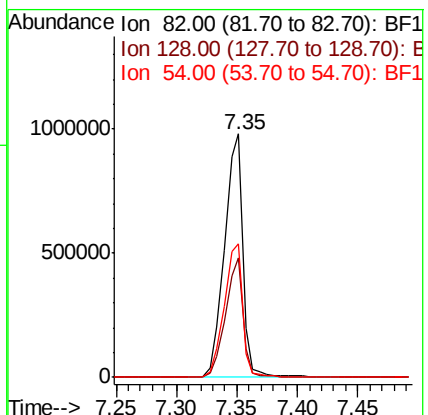
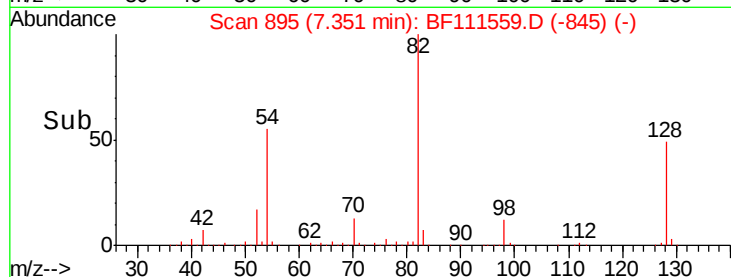
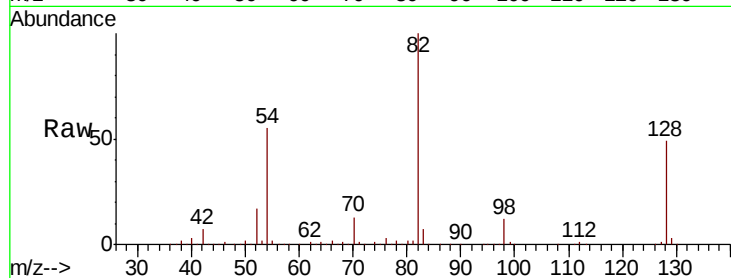
Tgt Ion: 82 Resp: 1039225

Ion Ratio Lower Upper

82 100

128 49.1 37.4 56.2

54 54.6 47.6 71.4



#25

Isophorone

Concen: 45.895 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

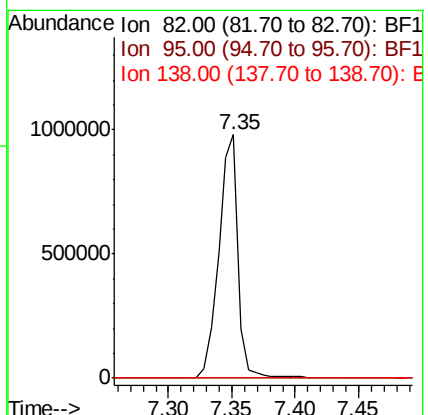
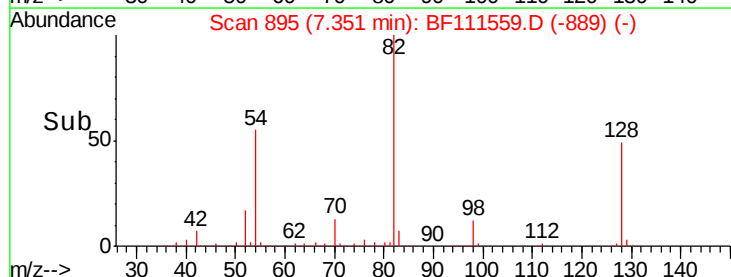
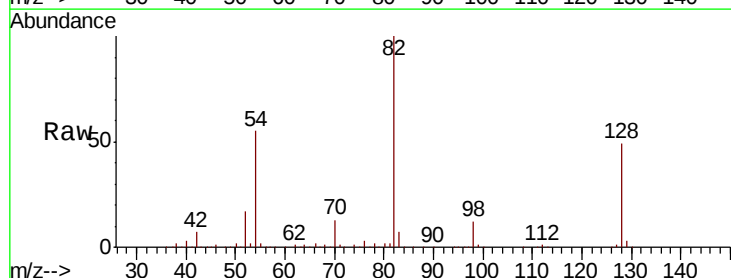
Tgt Ion: 82 Resp: 1039211

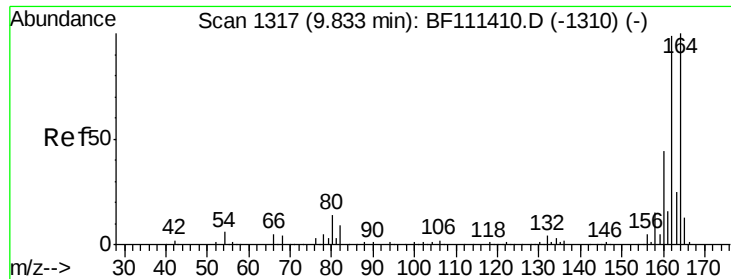
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 15.1 22.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Instrument :

BNA_F

ClientSampleId :

TP-6-A

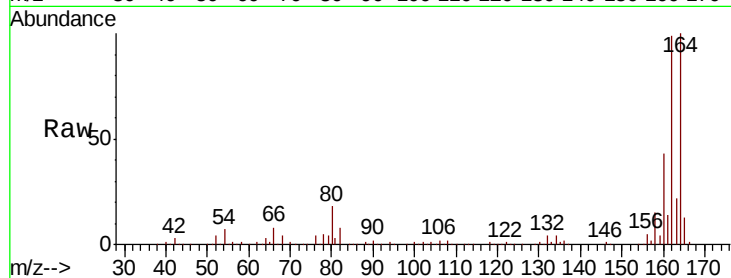
Tgt Ion:164 Resp: 256782

Ion Ratio Lower Upper

164 100

162 99.1 81.4 122.0

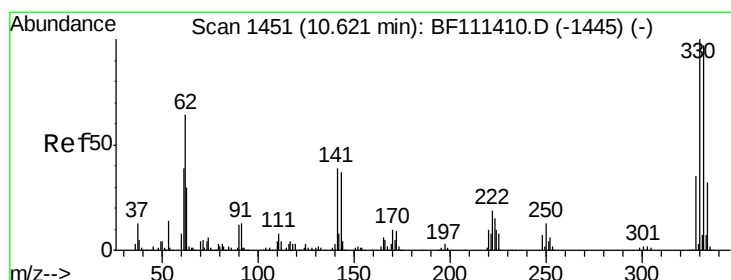
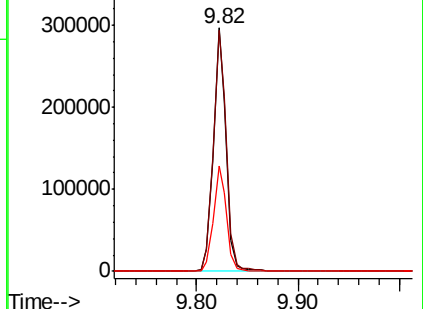
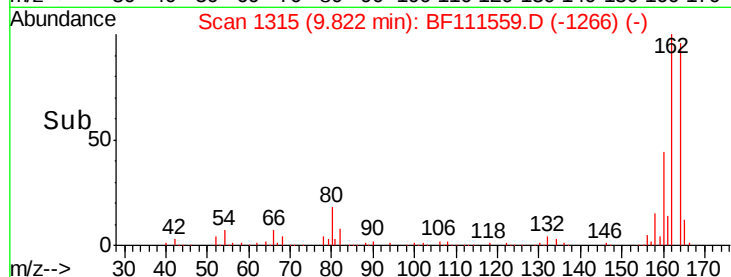
160 43.1 35.7 53.5



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: 94.706 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

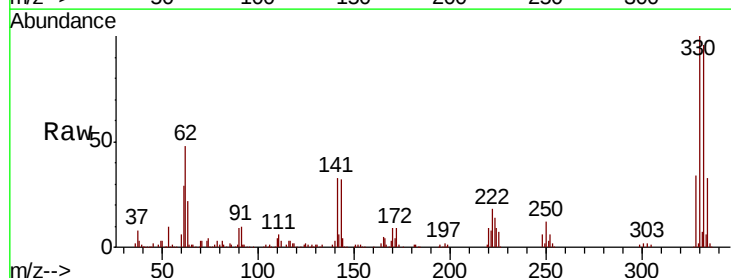
Tgt Ion:330 Resp: 217844

Ion Ratio Lower Upper

330 100

332 96.6 76.0 114.0

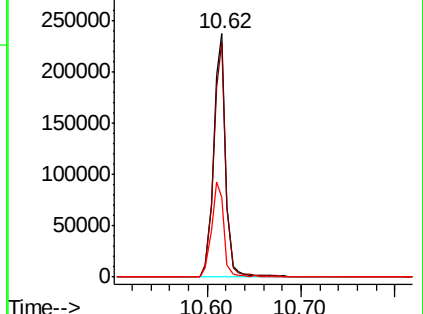
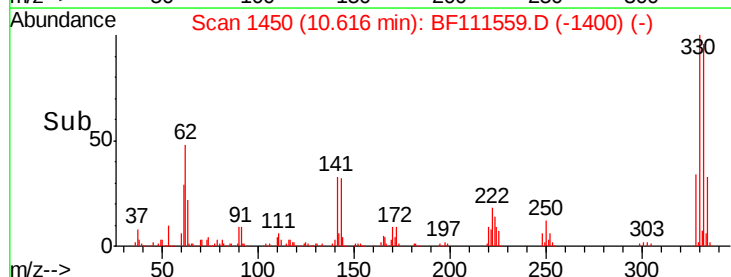
141 40.3 31.0 46.6

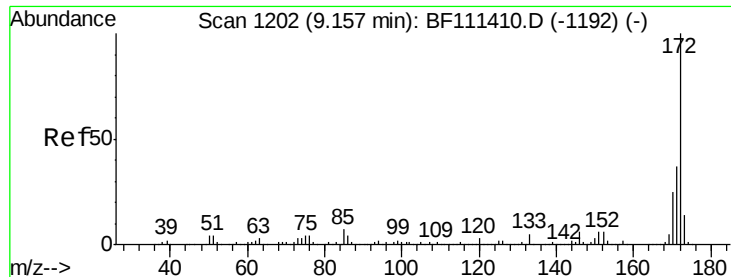


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

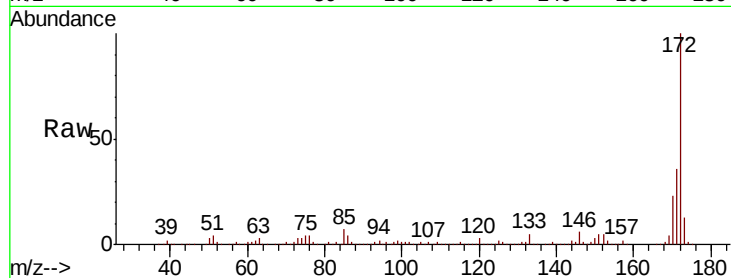




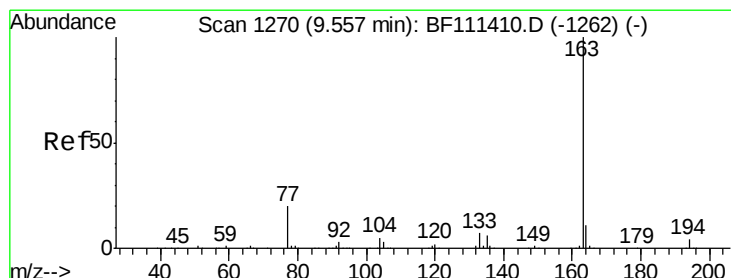
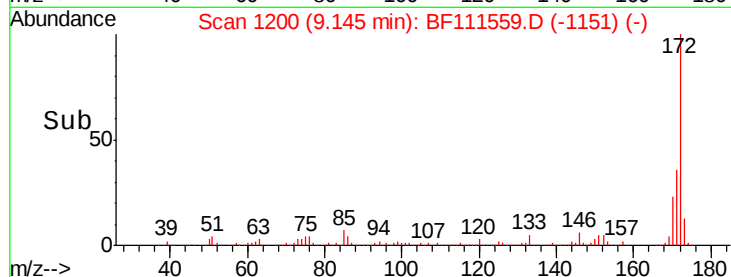
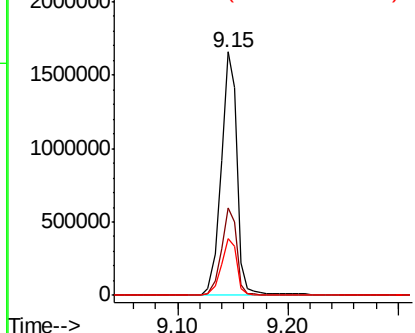
#45
 2-Fluorobiphenyl
 Concen: 100.275 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF111559.D
 Acq: 18 Dec 2018 00:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-A

Tgt Ion:172 Resp: 1666980
 Ion Ratio Lower Upper
 172 100
 171 35.8 33.0 49.4
 170 23.5 22.3 33.5

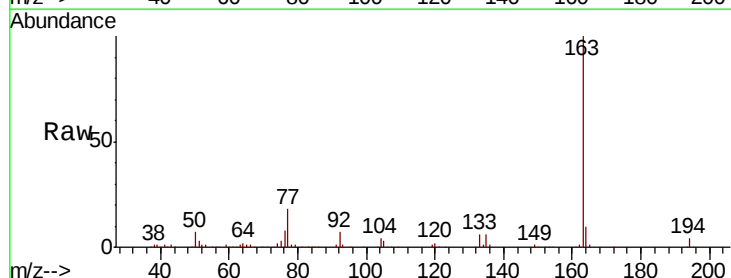


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

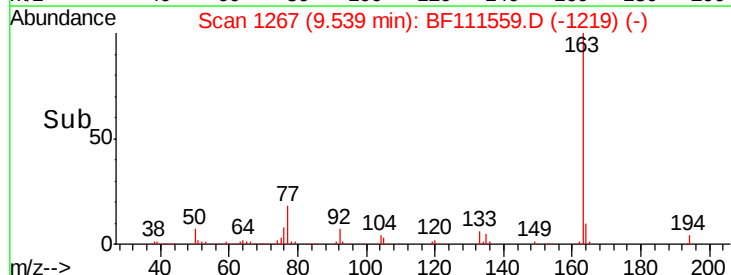
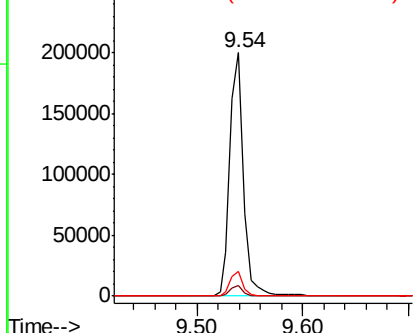


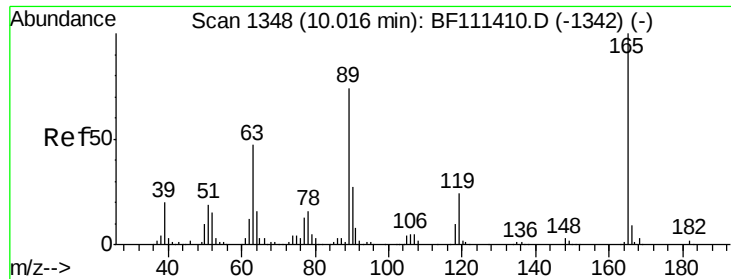
#50
 Dimethylphthalate
 Concen: 9.663 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF111559.D
 Acq: 18 Dec 2018 00:35

Tgt Ion:163 Resp: 178703
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.0 4.6
 164 10.3 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

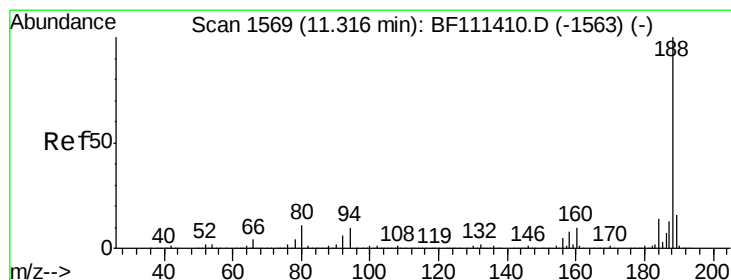
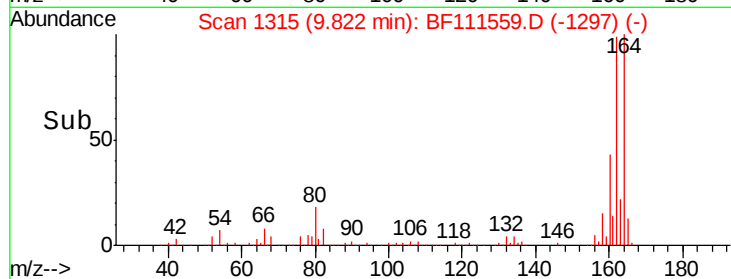
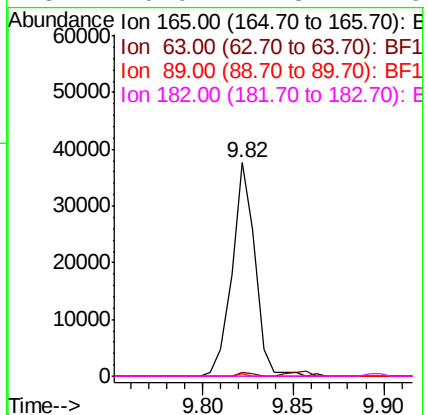
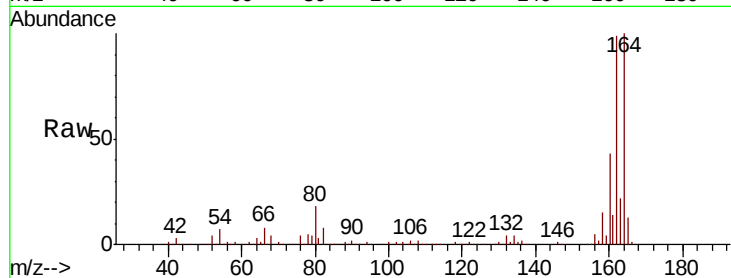




#57
2,4-Dinitrotoluene
Concen: 6.065 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.19 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

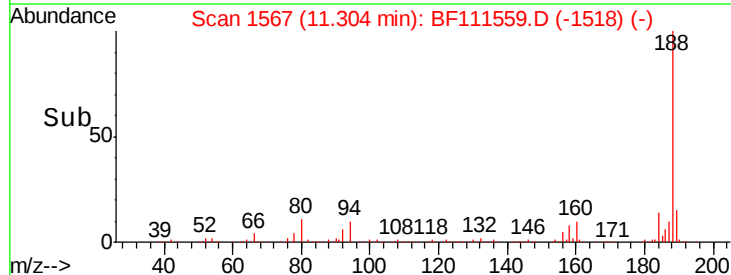
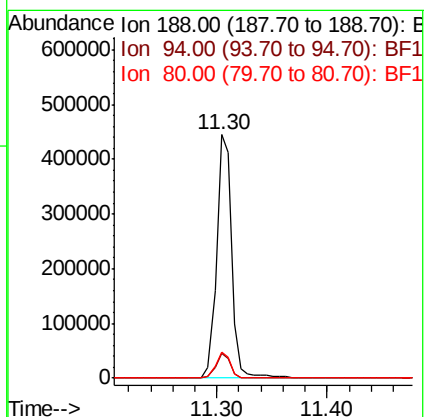
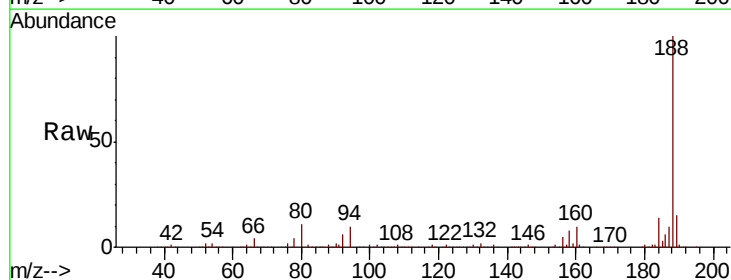
Instrument :
BNA_F
ClientSampleId :
TP-6-A

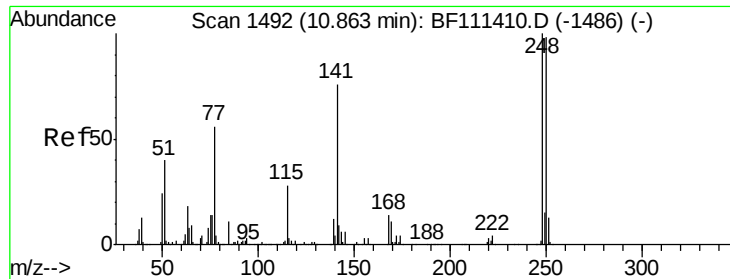
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.6	52.0#
89	1.0	56.2	84.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.6	14.4
80	10.6	9.8	14.6

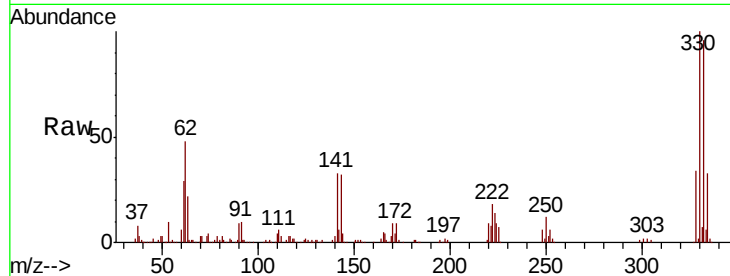




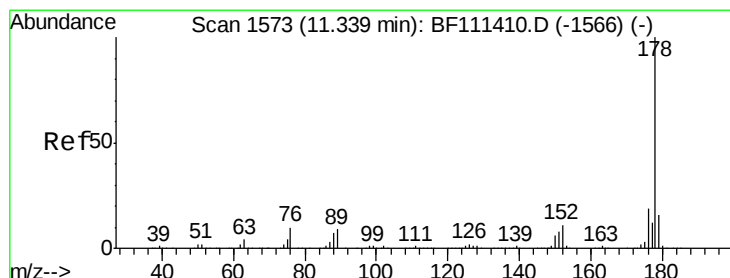
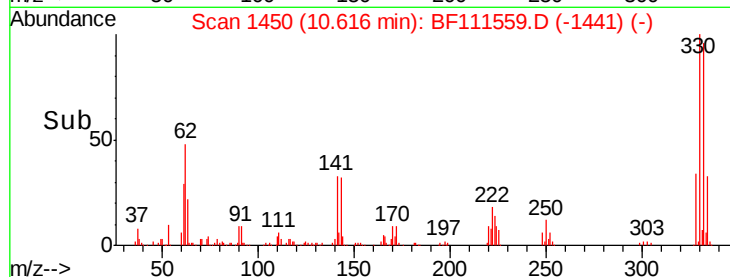
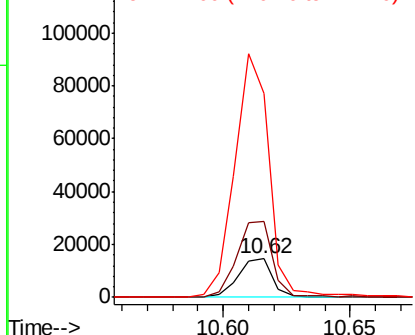
#67
 4-Bromophenyl-phenylether
 Concen: 3.002 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111559.D
 Acq: 18 Dec 2018 00:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-A

Tgt Ion:248 Resp: 13665
 Ion Ratio Lower Upper
 248 100
 250 194.8 77.0 115.4#
 141 527.7 63.0 94.6#

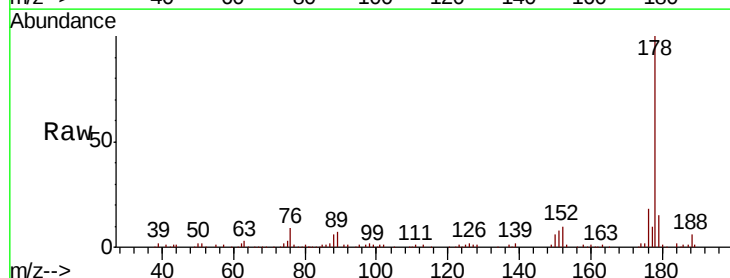


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

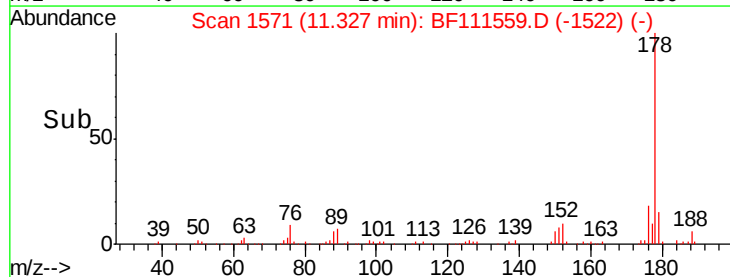
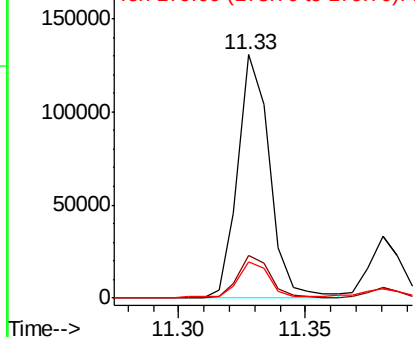


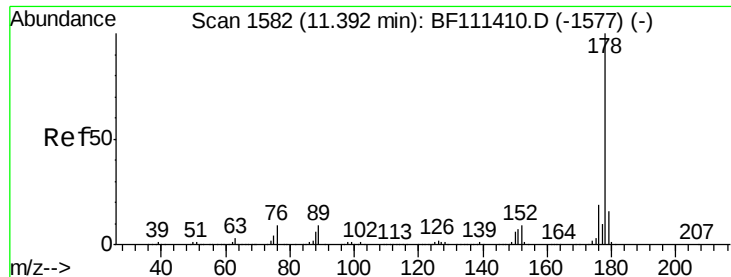
#71
 Phenanthrene
 Concen: 5.290 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF111559.D
 Acq: 18 Dec 2018 00:35

Tgt Ion:178 Resp: 115150
 Ion Ratio Lower Upper
 178 100
 176 17.7 18.1 27.1#
 179 14.9 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





#72

Anthracene

Concen: 5.173 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.06 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Instrument :

BNA_F

ClientSampleId :

TP-6-A

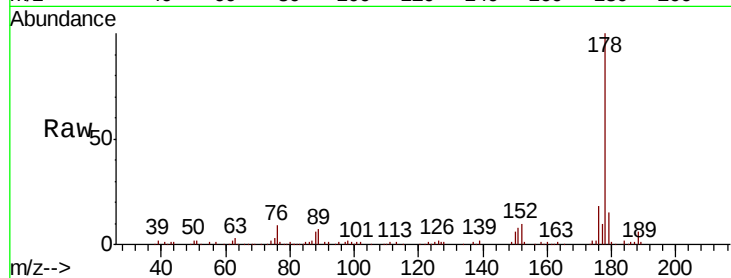
Tgt Ion:178 Resp: 115150

Ion Ratio Lower Upper

178 100

176 17.7 17.2 25.8

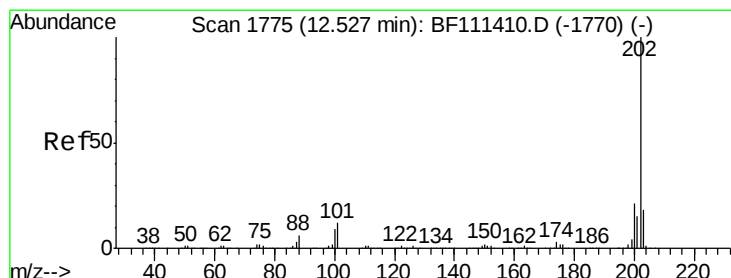
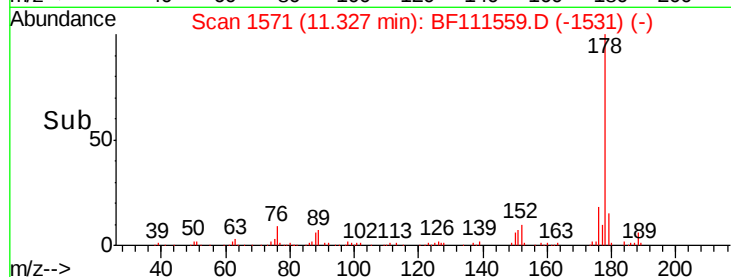
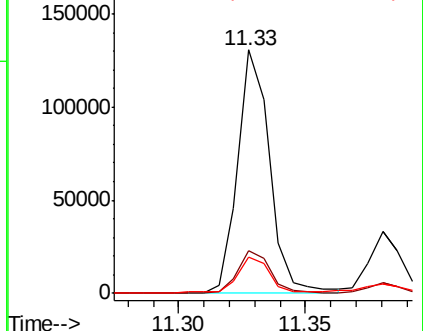
179 14.9 13.8 20.8



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: 7.747 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

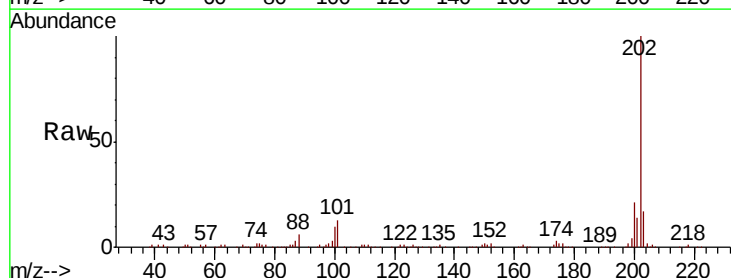
Tgt Ion:202 Resp: 164969

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.8

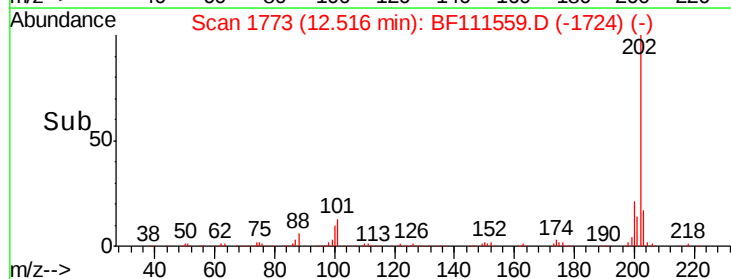
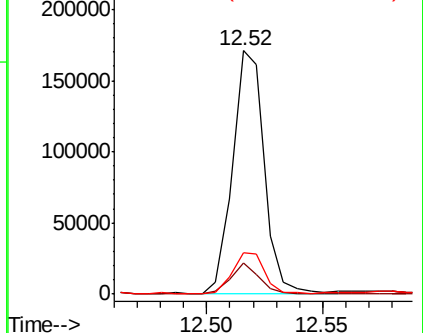
203 17.1 0.0 38.6

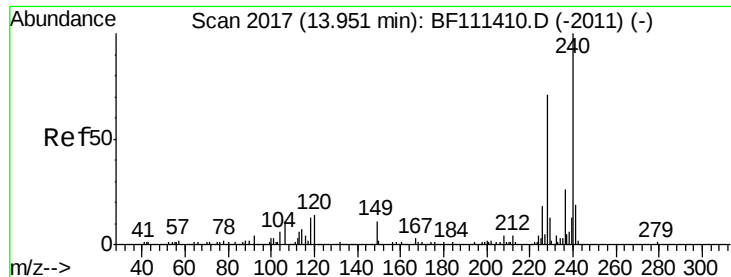


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

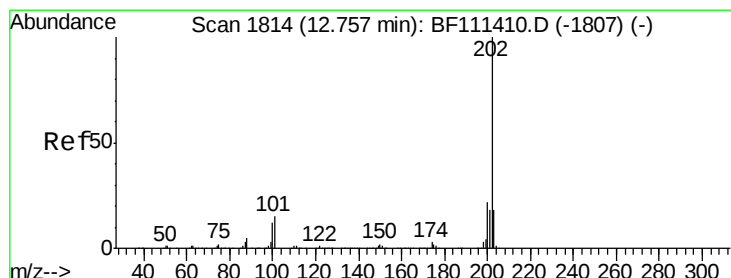
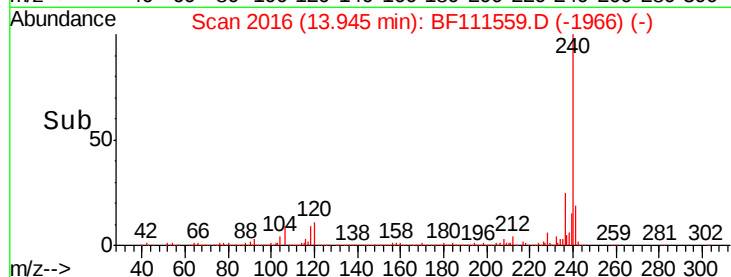
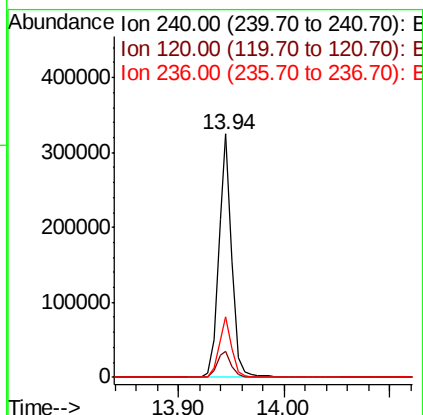
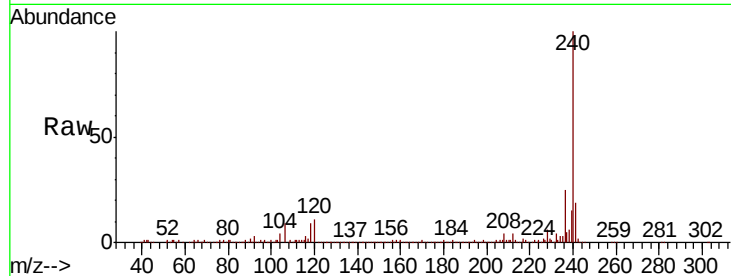




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

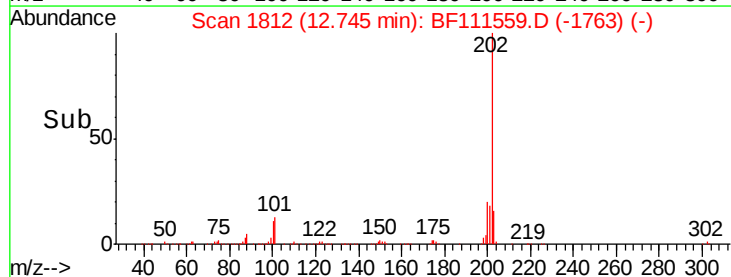
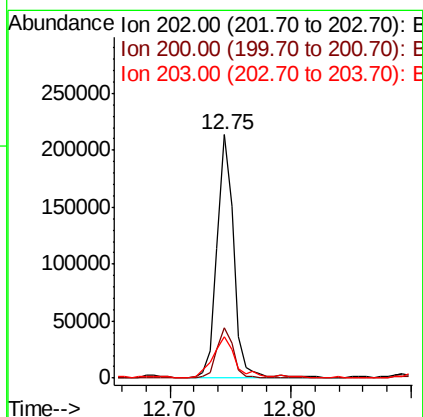
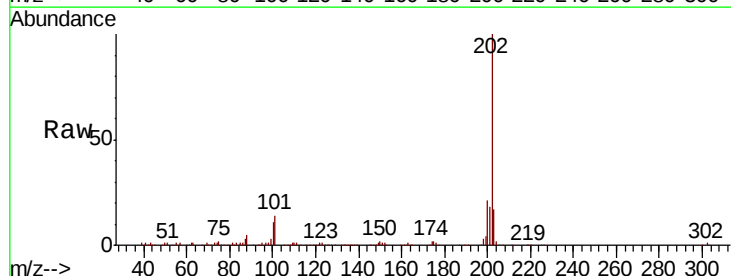
Instrument :
BNA_F
ClientSampleId :
TP-6-A

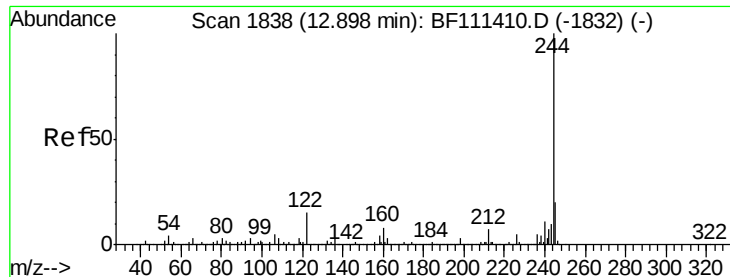
Tgt Ion:240 Resp: 283125
Ion Ratio Lower Upper
240 100
120 10.6 12.2 18.2#
236 24.9 20.2 30.2



#78
Pyrene
Concen: 10.040 ng
RT: 12.75 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion:202 Resp: 200414
Ion Ratio Lower Upper
202 100
200 20.5 19.0 28.4
203 17.2 15.2 22.8





#79

Terphenyl-d14

Concen: 76.231 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Instrument :

BNA_F

ClientSampleId :

TP-6-A

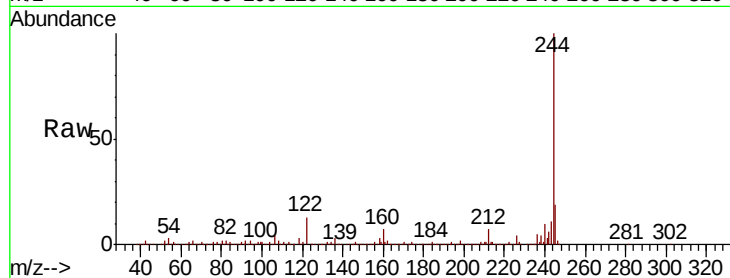
Tgt Ion:244 Resp: 919106

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

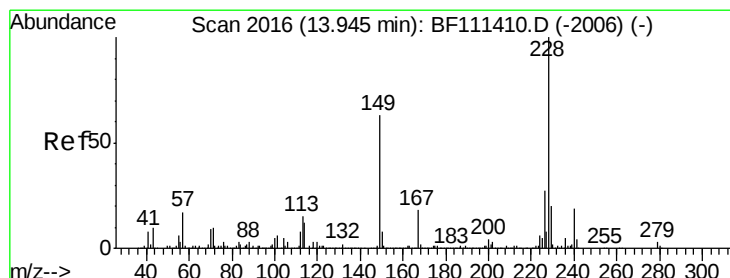
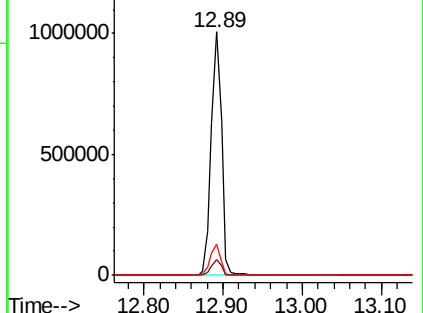
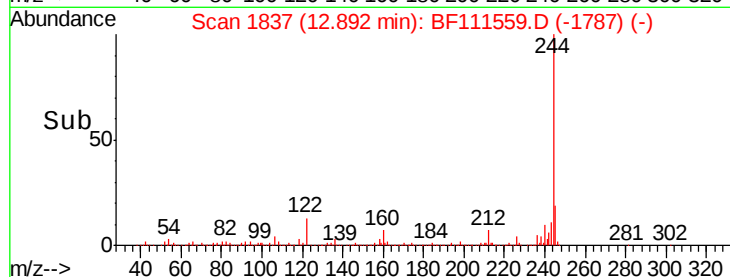
122 12.8 13.1 19.7#



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: 5.529 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

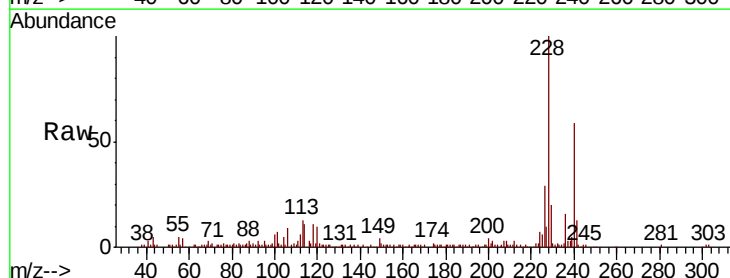
Tgt Ion:228 Resp: 85121

Ion Ratio Lower Upper

228 100

226 29.2 22.6 34.0

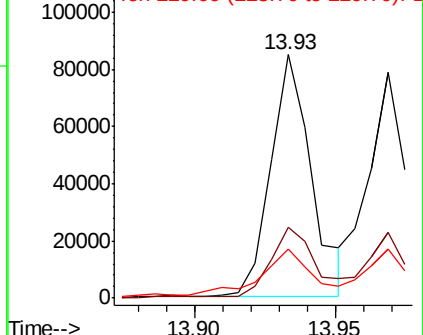
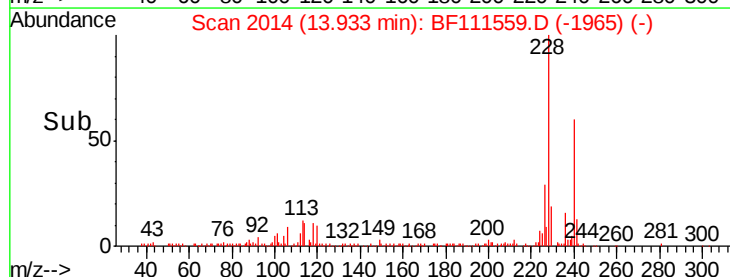
229 20.4 16.3 24.5

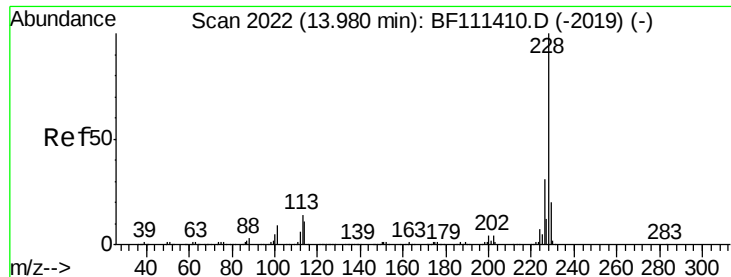


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.541 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Instrument :

BNA_F

ClientSampleId :

TP-6-A

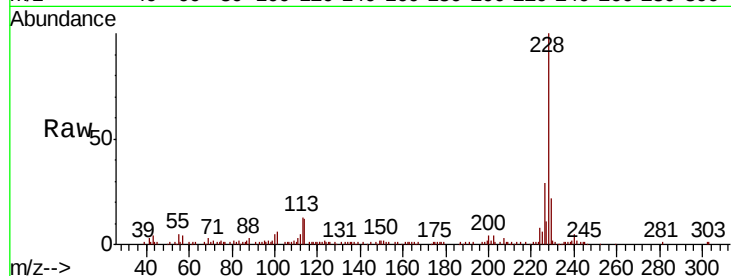
Tgt Ion:228 Resp: 73644

Ion Ratio Lower Upper

228 100

226 29.2 25.3 37.9

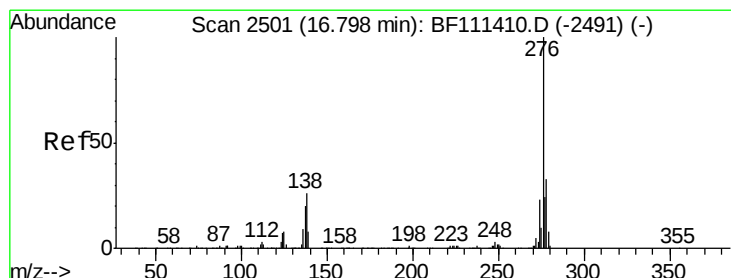
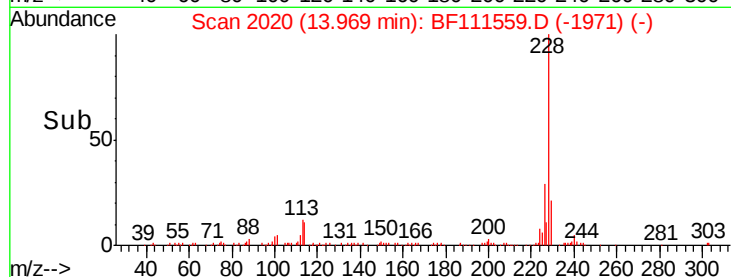
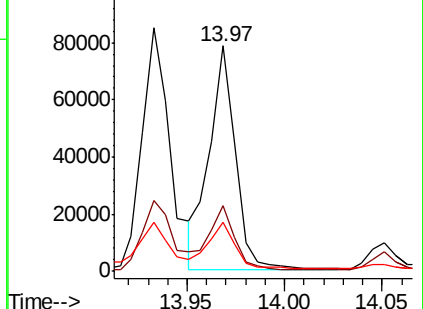
229 22.0 17.2 25.8



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: 3.964 ng

RT: 16.79 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

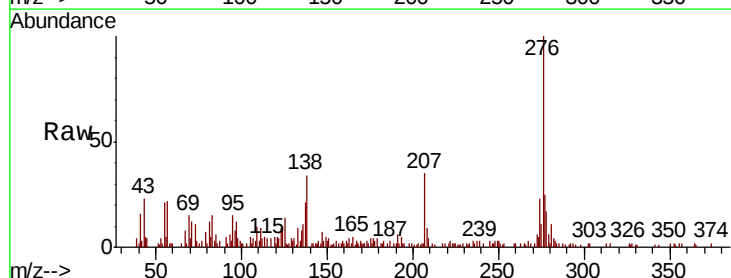
Tgt Ion:276 Resp: 46395

Ion Ratio Lower Upper

276 100

138 25.9 27.8 41.6#

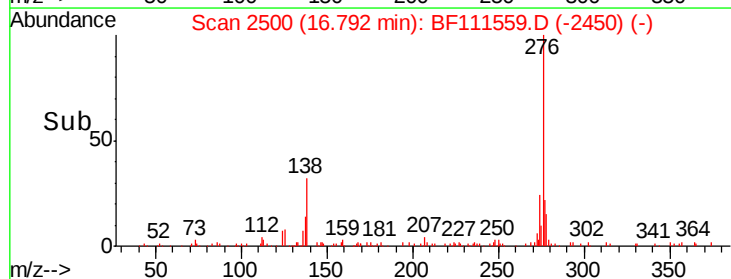
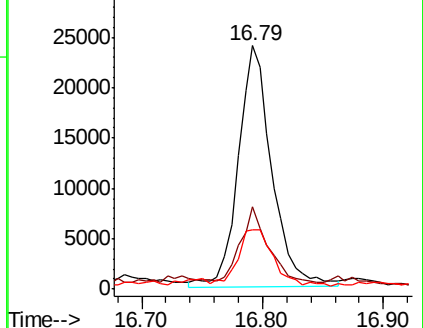
277 28.9 20.1 30.1

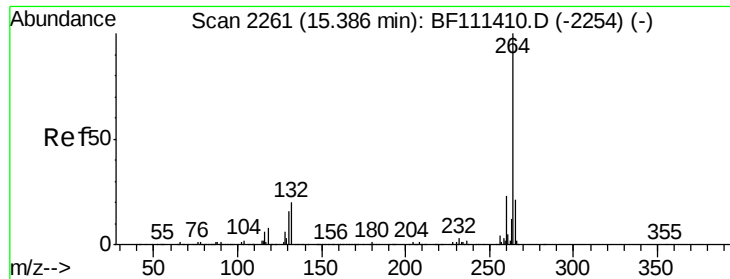


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



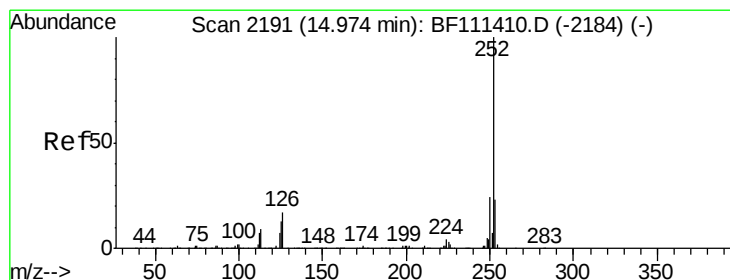
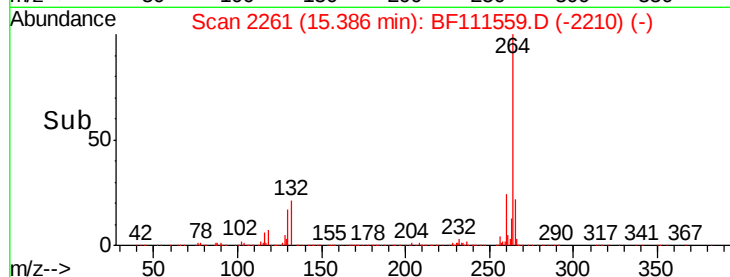
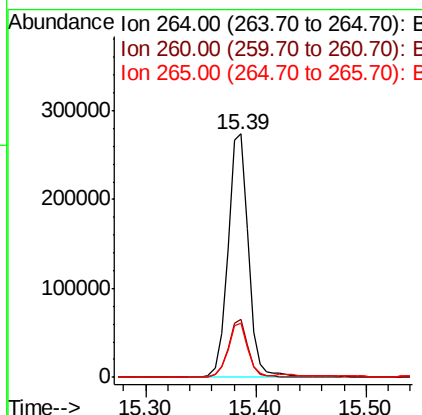
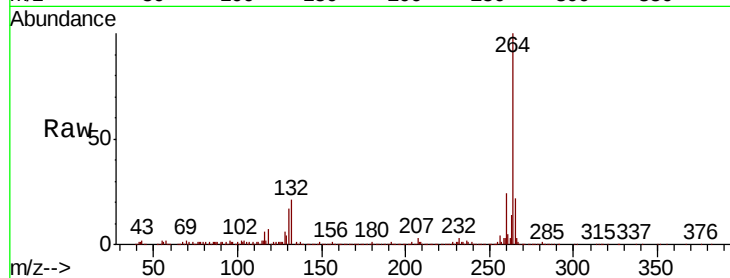


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Instrument :
BNA_F
ClientSampleId :
TP-6-A

Tgt Ion:264 Resp: 356137

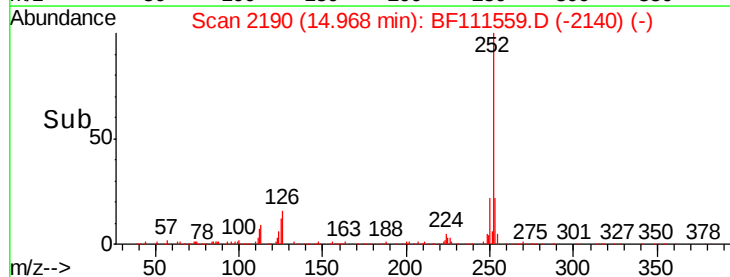
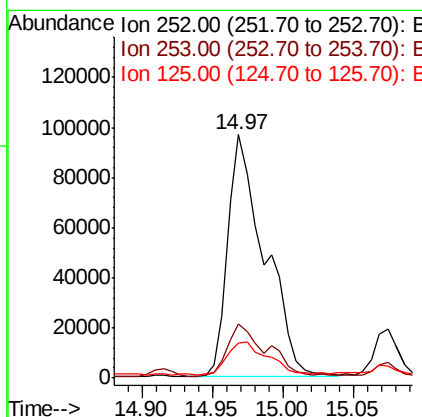
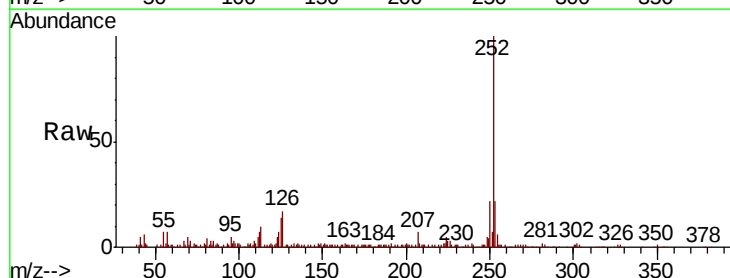
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	22.5	17.7	26.5

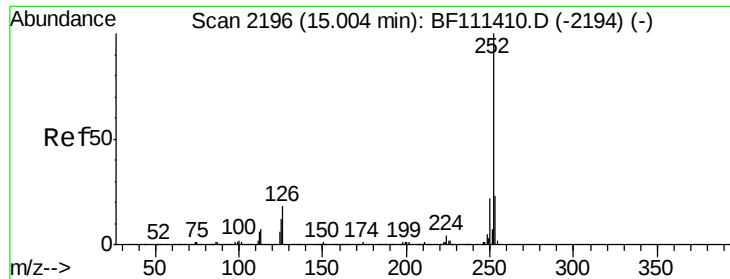


#88
Benzo(b)fluoranthene
Concen: 8.495 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion:252 Resp: 176387

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	14.1	10.4	15.6

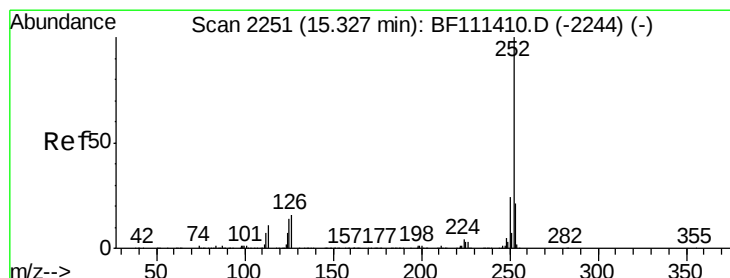
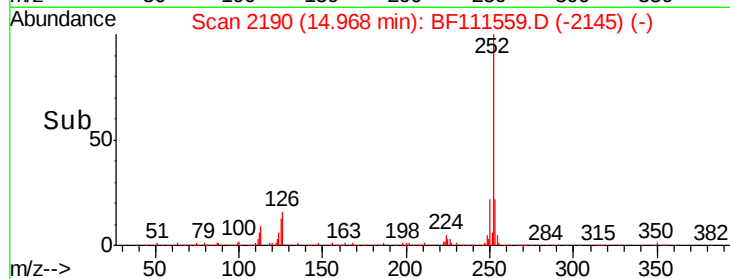
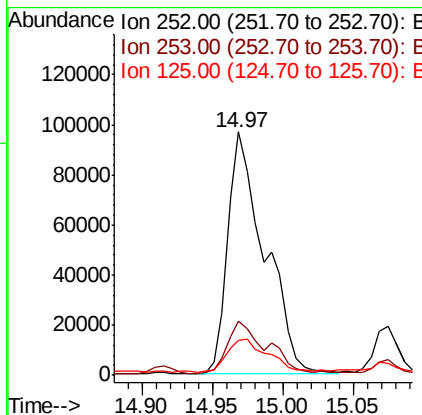
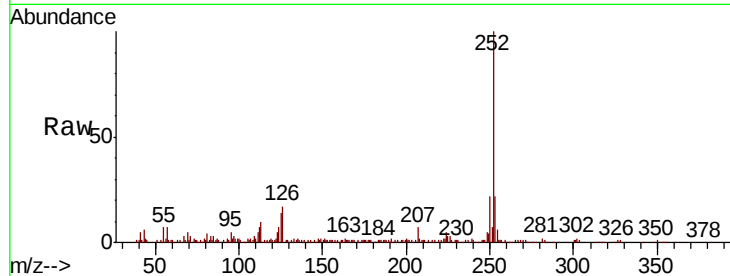




#89
Benzo(k)fluoranthene
Concen: 8.891 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

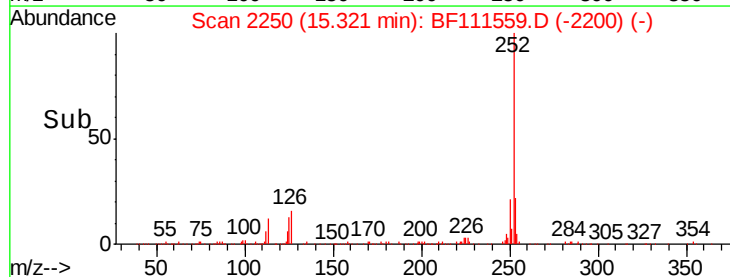
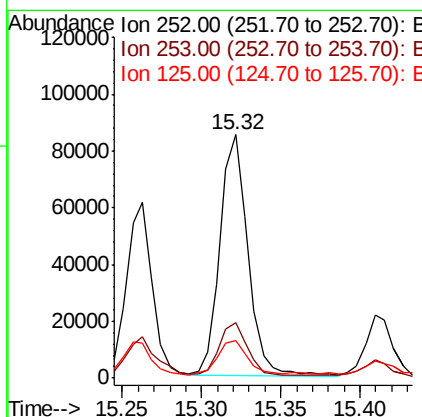
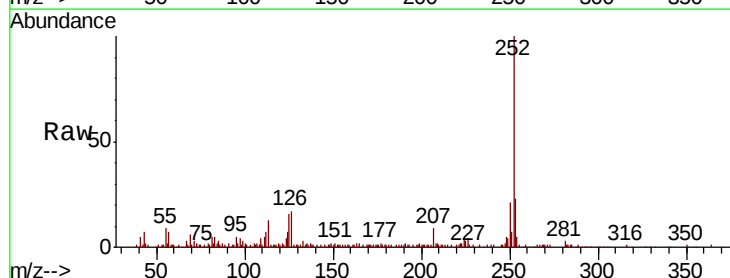
Instrument :
BNA_F
ClientSampleId :
TP-6-A

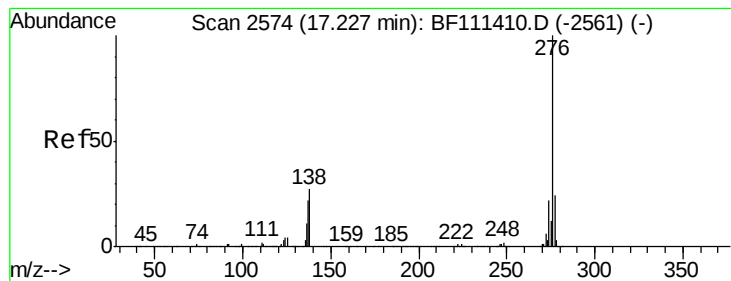
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	14.1	9.8	14.8



#90
Benzo(a)pyrene
Concen: 5.553 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	15.5	12.3	18.5





#92

Benzo(g,h,i)perylene

Concen: 3.237 ng

RT: 17.22 min Scan# 2572

Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Instrument :

BNA_F

ClientSampleId :

TP-6-A

Tgt Ion: 276 Resp: 46935

Ion Ratio Lower Upper

276 100

277 24.9 19.2 28.8

138 34.0 24.9 37.3

