

Data File : BF111465.D
Acq On : 15 Dec 2018 13:40
Operator : JU/SJ
Sample : J6322-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-1-120718

Quant Time: Dec 16 00:42:28 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	147613	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	591598	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	265170	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	409806	20.00	ng	0.00
76) Chrysene-d12	13.95	240	282460	20.00	ng	0.00
87) Perylene-d12	15.39	264	283146	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1112480	125.41	ng	0.00
7) Phenol-d6	6.44	99	1427103	120.95	ng	0.00
23) Nitrobenzene-d5	7.36	82	893408	89.93	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	214088	90.13	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1558430	90.78	ng	0.00
79) Terphenyl-d14	12.90	244	1026911	85.37	ng	0.00

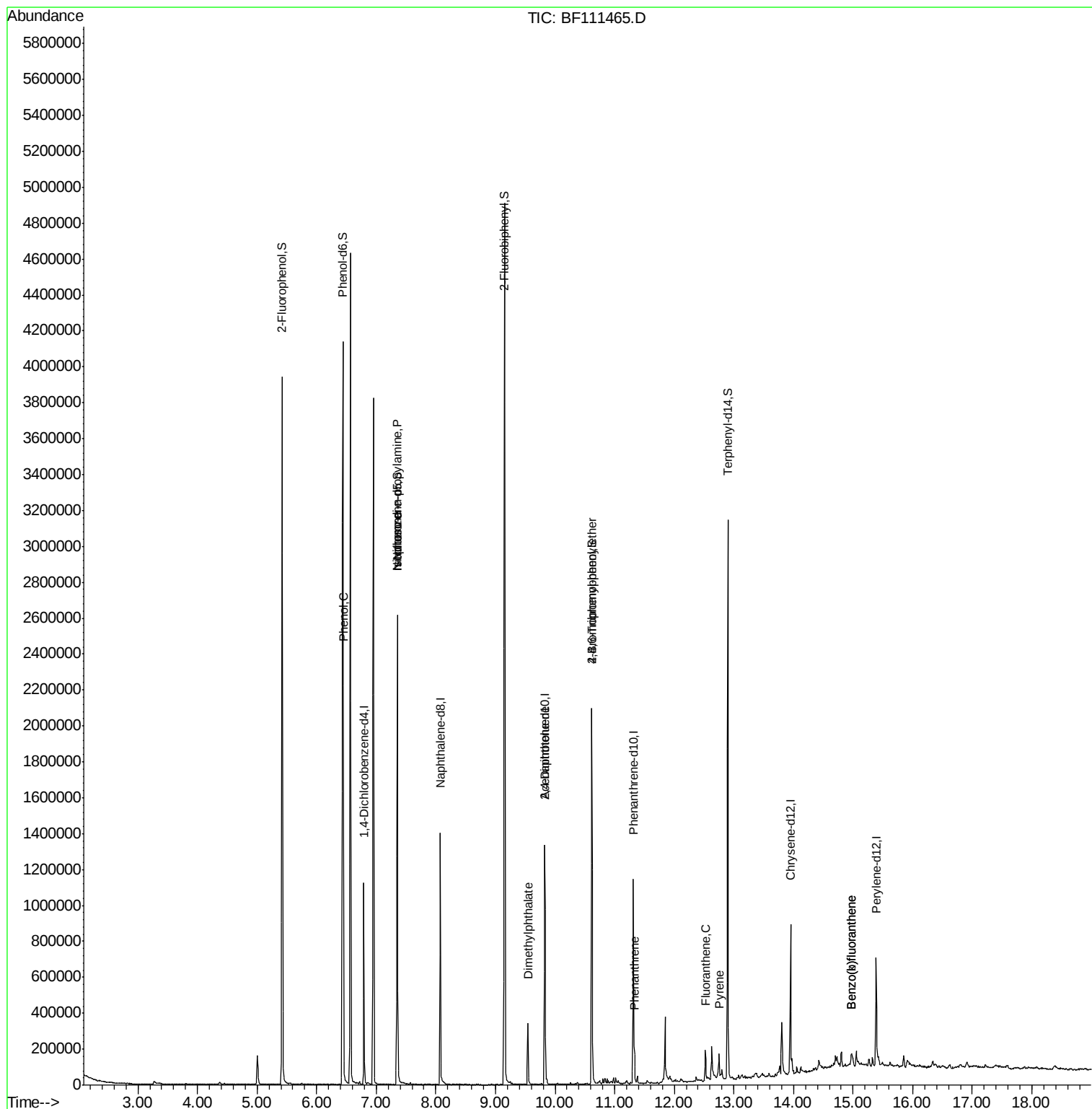
Target Compounds				Qvalue		
10) Phenol	6.45	94	77234	5.876	ng	92
19) n-Nitroso-di-n-propylamine	7.36	70	115433	14.828	ng	# 79
25) Isophorone	7.36	82	893401	53.148	ng	# 64
50) Dimethylphthalate	9.55	163	158797	8.315	ng	97
57) 2,4-Dinitrotoluene	9.83	165	33186	5.882	ng	# 25
67) 4-Bromophenyl-phenylether	10.62	248	13736	3.110	ng	# 1
71) Phenanthrene	11.33	178	51305	2.430	ng	# 90
75) Fluoranthene	12.52	202	66435	3.216	ng	96
78) Pyrene	12.75	202	53905	2.707	ng	94
88) Benzo(b)fluoranthene	14.97	252	45688	2.768	ng	95
89) Benzo(k)fluoranthene	14.97	252	45688	2.897	ng	# 95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

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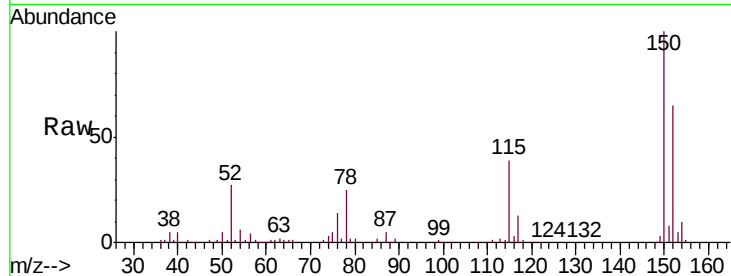
Tgt Ion:152 Resp: 147613

Ion Ratio Lower Upper

152 100

150 155.0 126.6 189.8

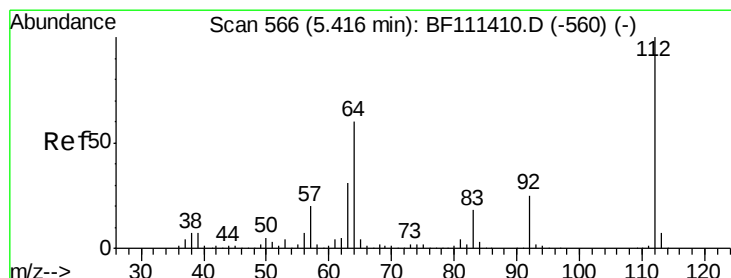
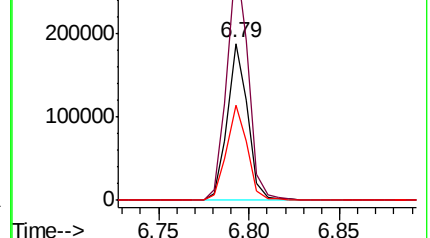
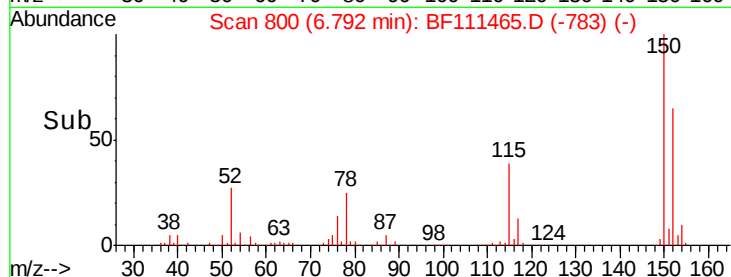
115 60.4 50.7 76.1



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: 125.411 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111465.D

Acq: 15 Dec 2018 13:40

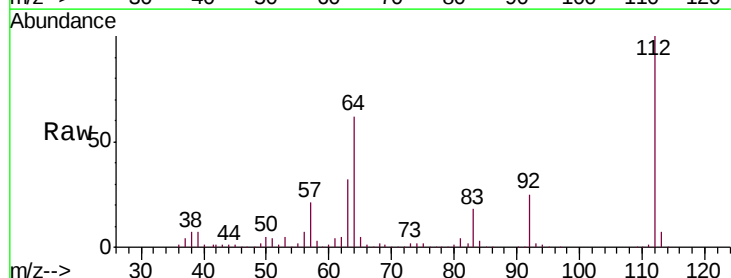
Tgt Ion:112 Resp: 1112480

Ion Ratio Lower Upper

112 100

64 61.7 51.8 77.6

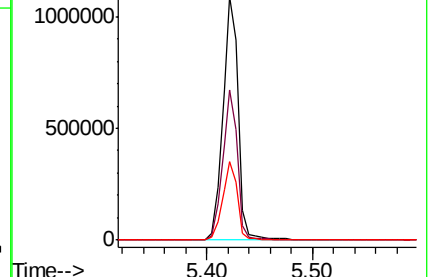
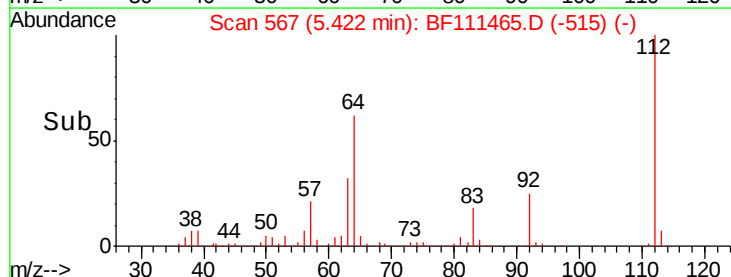
63 32.3 26.8 40.2



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: 120.946 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111465.D

Acq: 15 Dec 2018 13:40

Instrument :

BNA_F

ClientSampleId :

SUP-2A-C-1-120718

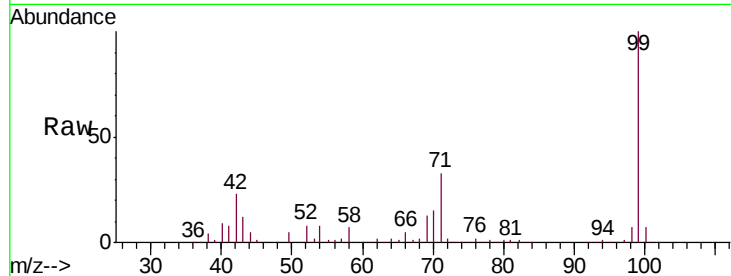
Tgt Ion: 99 Resp: 1427103

Ion Ratio Lower Upper

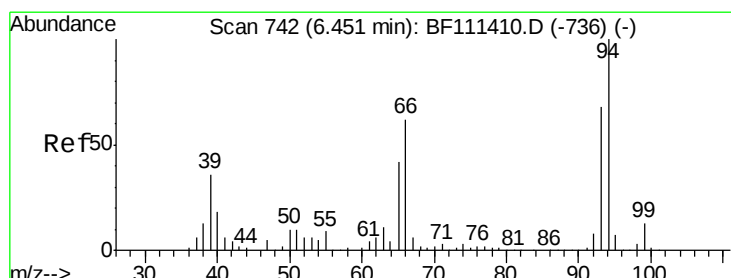
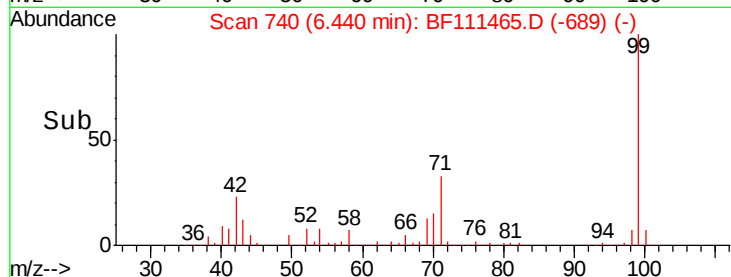
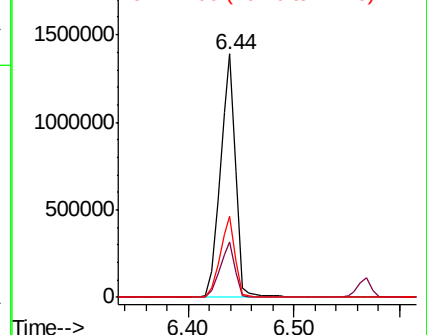
99 100

42 22.6 17.4 26.0

71 33.5 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: 5.876 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111465.D

Acq: 15 Dec 2018 13:40

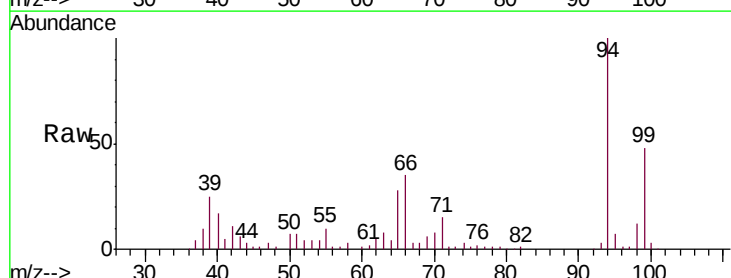
Tgt Ion: 94 Resp: 77234

Ion Ratio Lower Upper

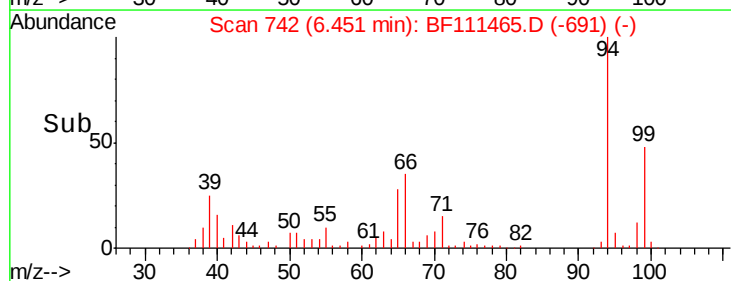
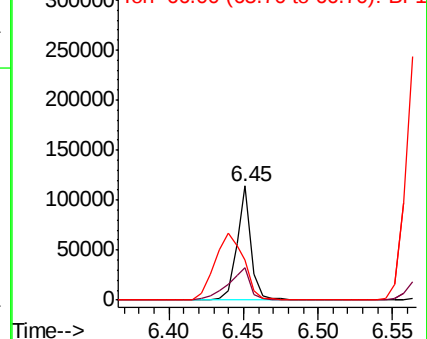
94 100

65 27.8 11.7 51.7

66 35.1 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

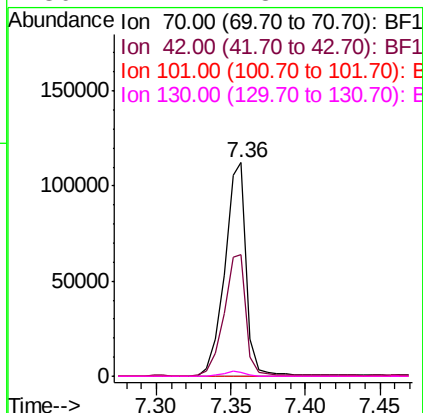
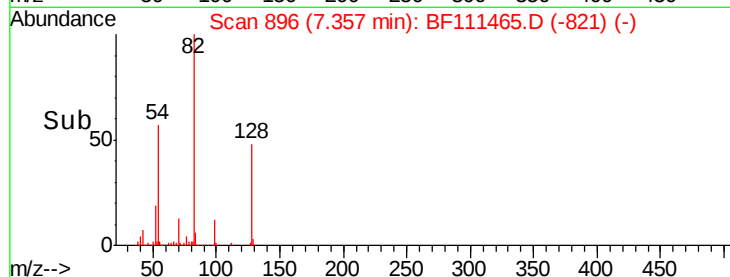
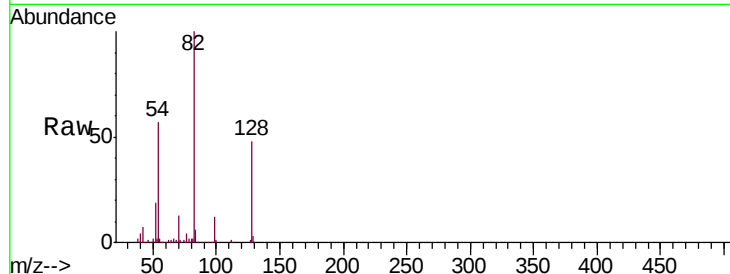




#19
n-Nitroso-di-n-propylamine
Concen: 14.828 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111465.D
Acq: 15 Dec 2018 13:40

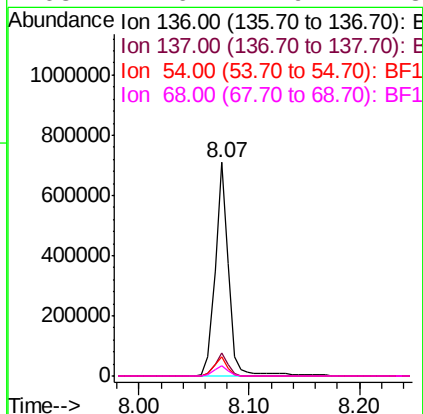
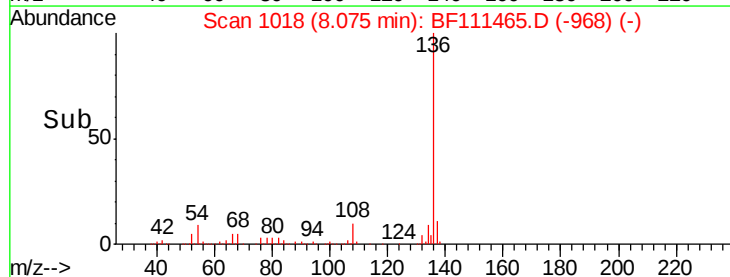
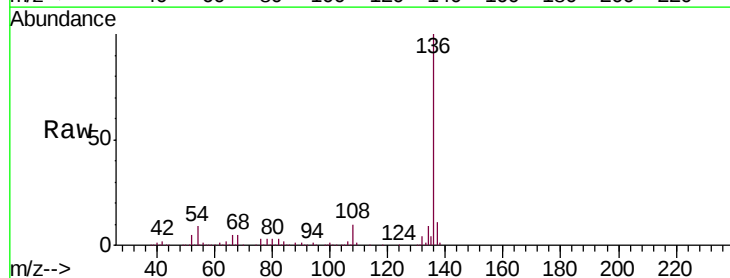
Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-1-120718

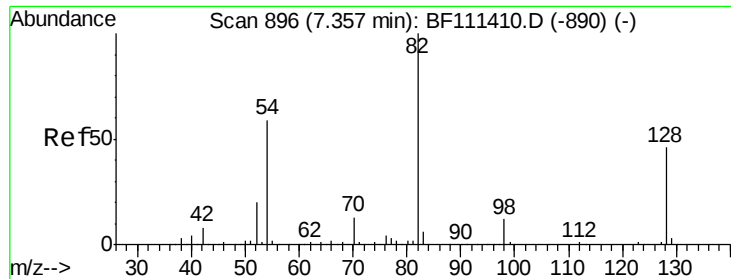
Tgt Ion: 70 Resp: 115433
Ion Ratio Lower Upper
70 100
42 57.0 53.2 79.8
101 0.0 8.2 12.4#
130 2.1 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111465.D
Acq: 15 Dec 2018 13:40

Tgt Ion: 136 Resp: 591598
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.9 7.7 11.5
68 4.6 4.9 7.3#

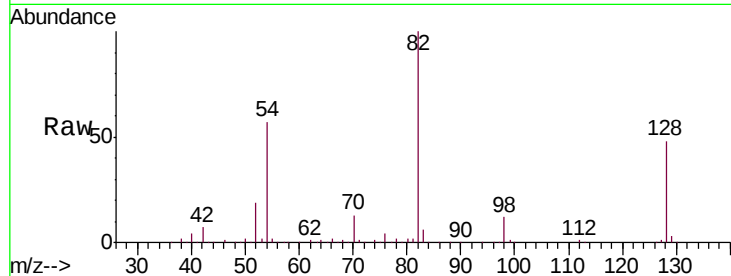




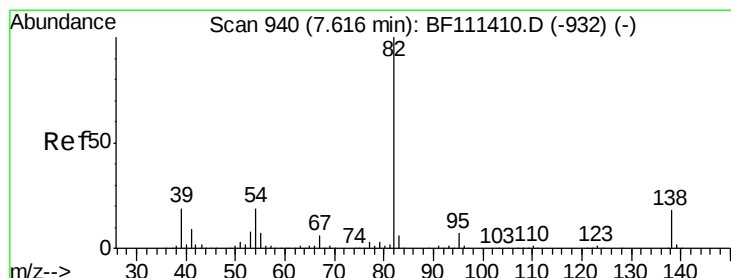
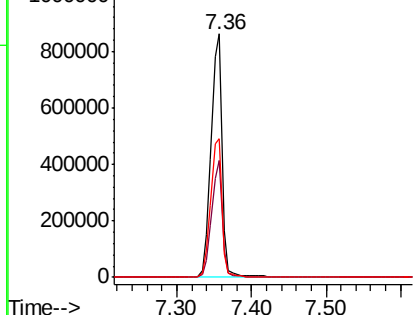
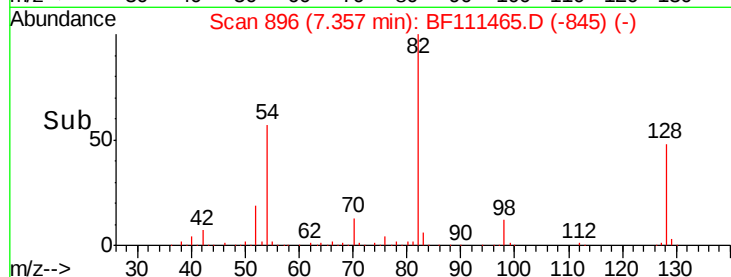
#23
 Nitrobenzene-d5
 Concen: 89.928 ng
 RT: 7.36 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: BF111465.D
 Acq: 15 Dec 2018 13:40

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-1-120718

Tgt Ion: 82 Resp: 893408
 Ion Ratio Lower Upper
 82 100
 128 48.1 37.4 56.2
 54 57.1 47.6 71.4

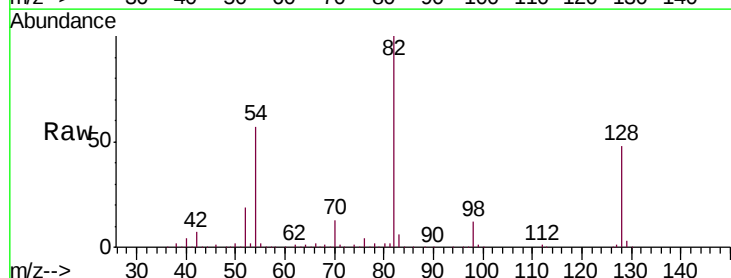


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

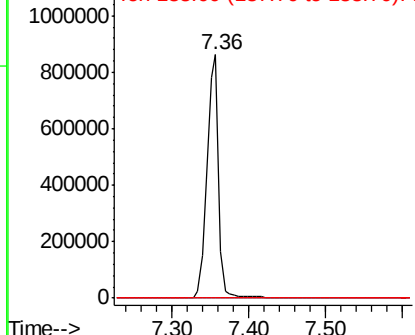
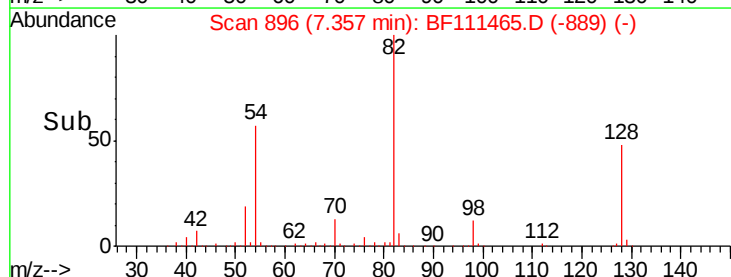


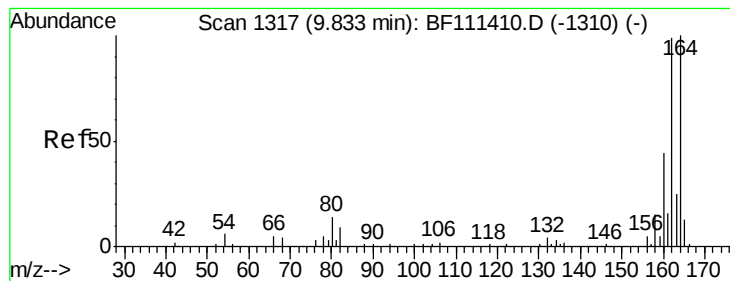
#25
 Isophorone
 Concen: 53.148 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF111465.D
 Acq: 15 Dec 2018 13:40

Tgt Ion: 82 Resp: 893401
 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: BF111465.D

Acq: 15 Dec 2018 13:40

Instrument :

BNA_F

ClientSampleId :

SUP-2A-C-1-120718

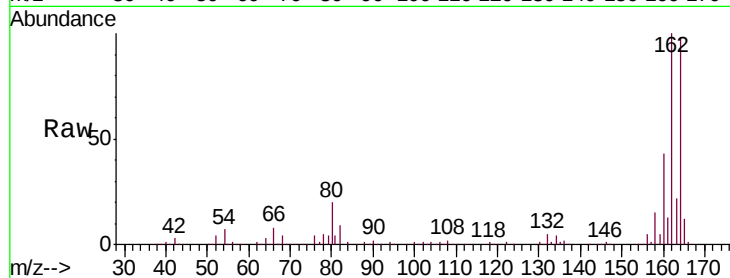
Tgt Ion:164 Resp: 265170

Ion Ratio Lower Upper

164 100

162 101.6 81.4 122.0

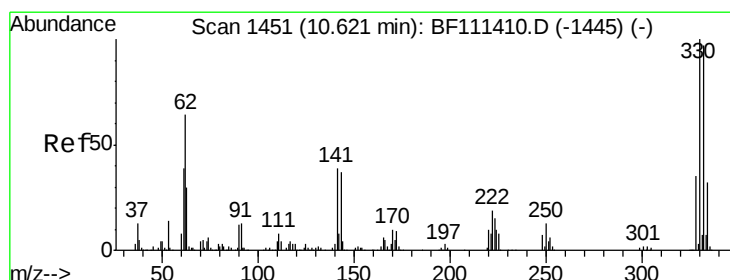
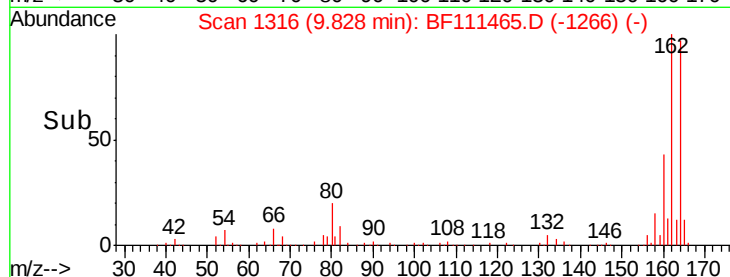
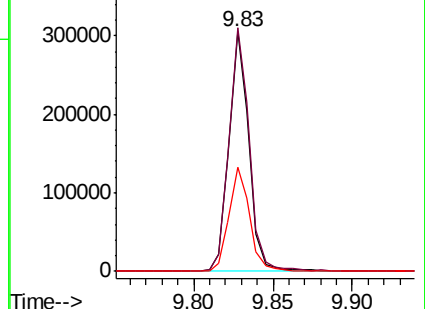
160 43.3 35.7 53.5



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: 90.129 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111465.D

Acq: 15 Dec 2018 13:40

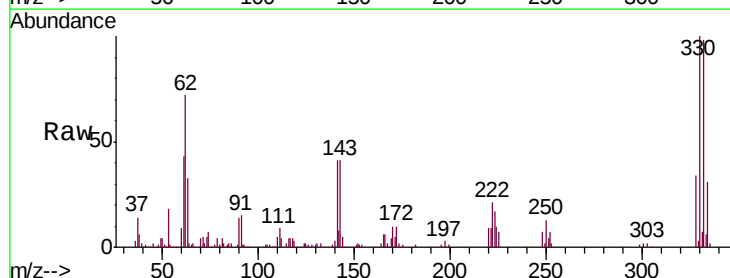
Tgt Ion:330 Resp: 214088

Ion Ratio Lower Upper

330 100

332 98.5 76.0 114.0

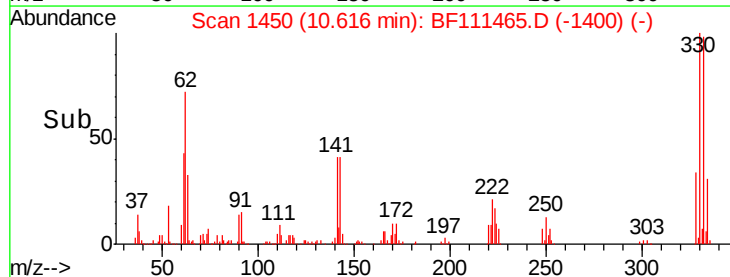
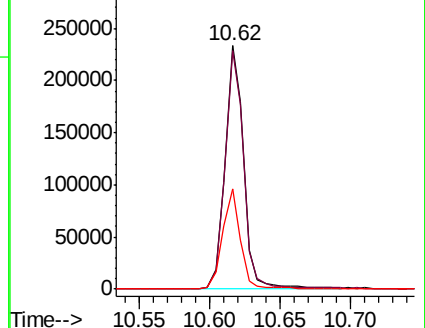
141 39.8 31.0 46.6

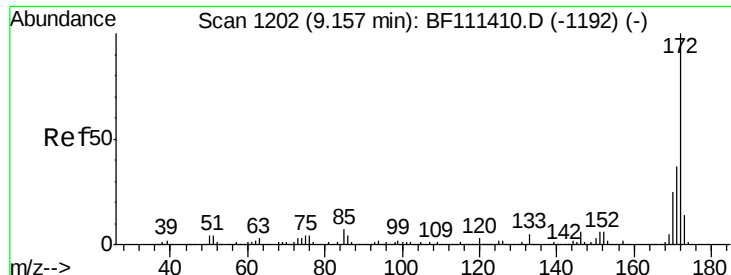


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

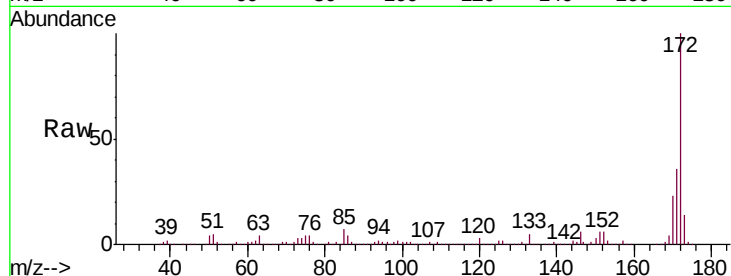




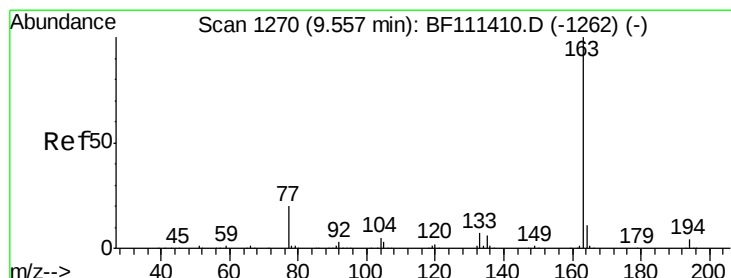
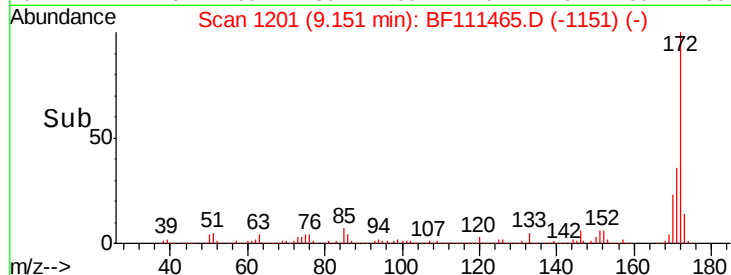
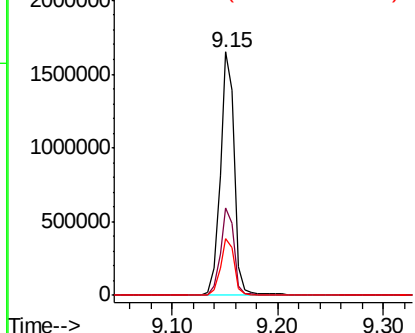
#45
2-Fluorobiphenyl
Concen: 90.780 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111465.D
Acq: 15 Dec 2018 13:40

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Tgt Ion:172 Resp: 1558430
Ion Ratio Lower Upper
172 100
171 35.9 33.0 49.4
170 23.3 22.3 33.5

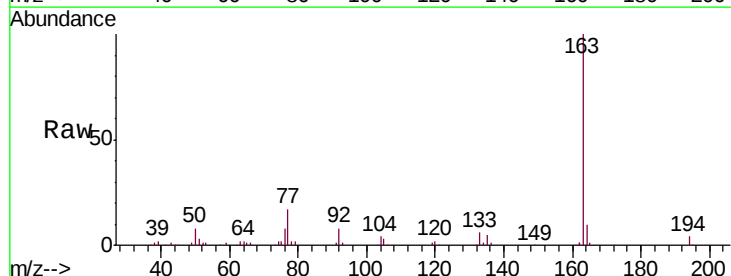


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

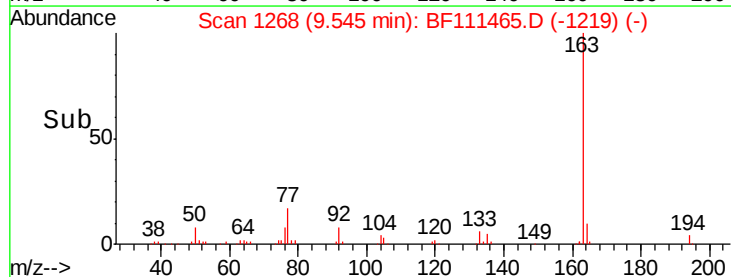
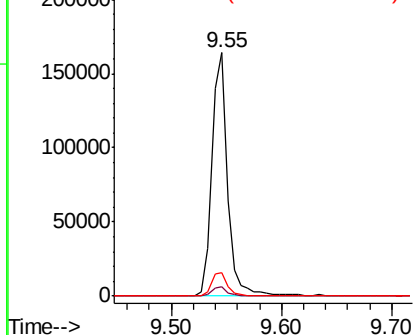


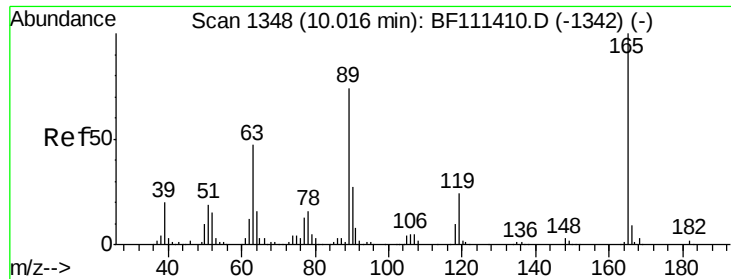
#50
Dimethylphthalate
Concen: 8.315 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111465.D
Acq: 15 Dec 2018 13:40

Tgt Ion:163 Resp: 158797
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 9.5 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

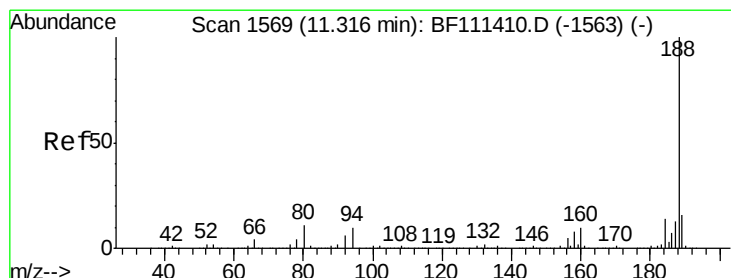
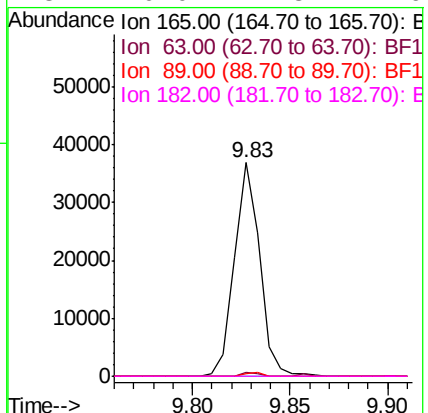
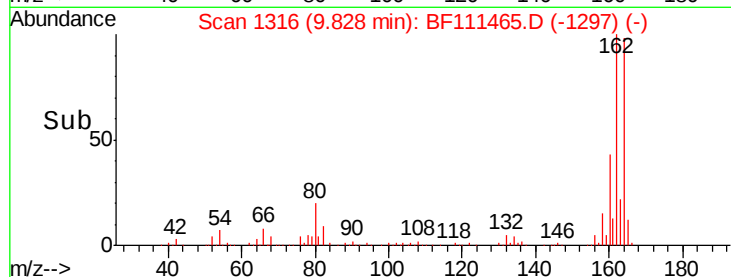
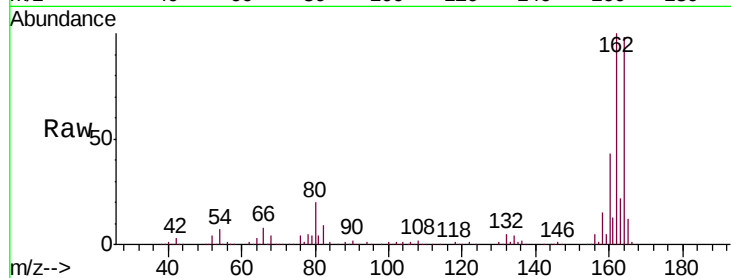




#57
2,4-Dinitrotoluene
Concen: 5.882 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111465.D
Acq: 15 Dec 2018 13:40

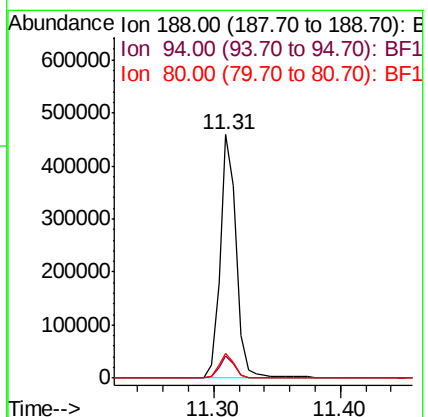
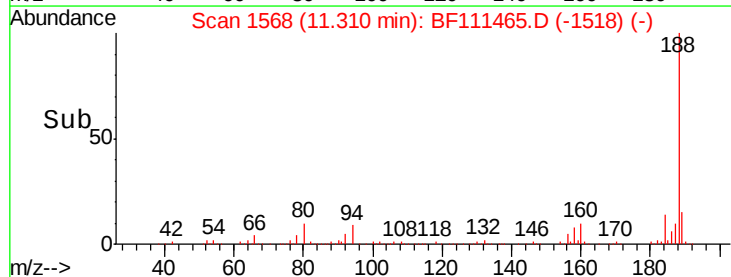
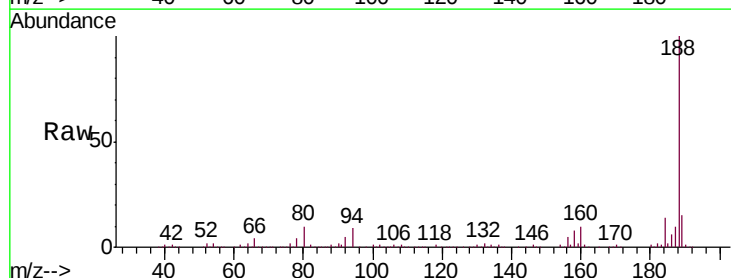
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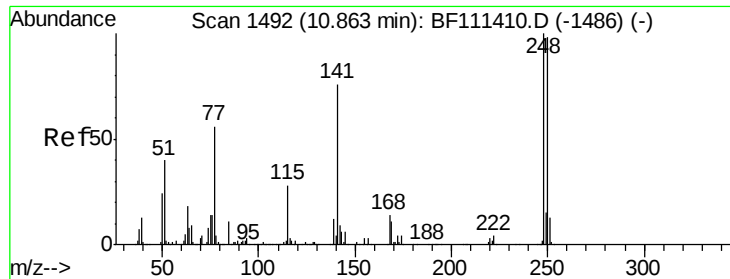
Tgt Ion:	165	Resp:	33186
Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.6	52.0#
89	1.5	56.2	84.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111465.D
Acq: 15 Dec 2018 13:40

Tgt Ion:	188	Resp:	409806
Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.6	14.4#
80	10.4	9.8	14.6





#67

4-Bromophenyl-phenylether

Concen: 3.110 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF111465.D

Acq: 15 Dec 2018 13:40

Instrument :

BNA_F

ClientSampleId :

SUP-2A-C-1-120718

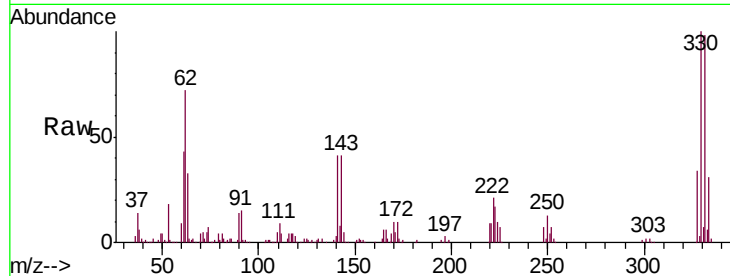
Tgt Ion:248 Resp: 13736

Ion Ratio Lower Upper

248 100

250 190.8 77.0 115.4#

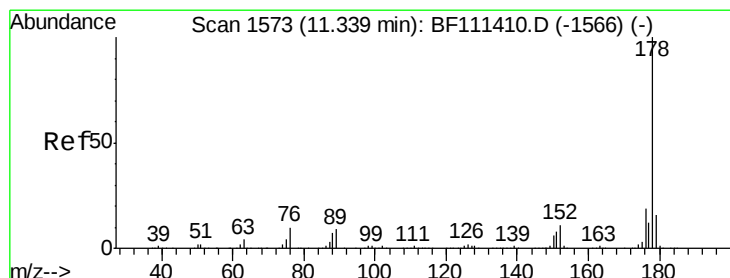
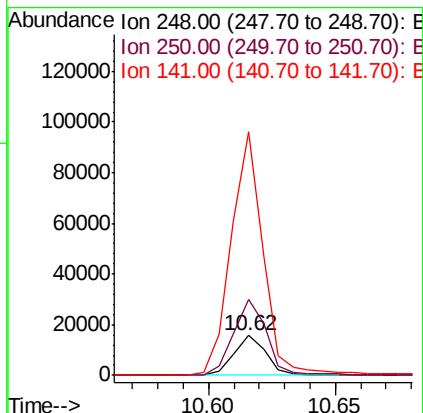
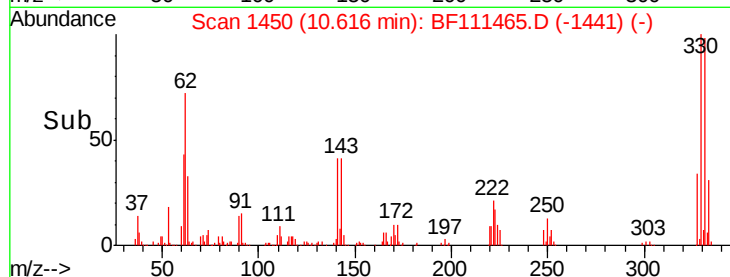
141 615.8 63.0 94.6#



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: 2.430 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF111465.D

Acq: 15 Dec 2018 13:40

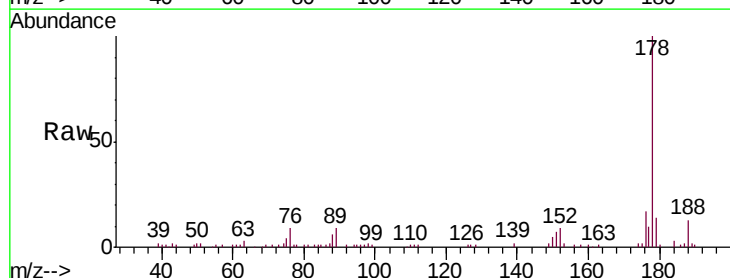
Tgt Ion:178 Resp: 51305

Ion Ratio Lower Upper

178 100

176 17.0 18.1 27.1#

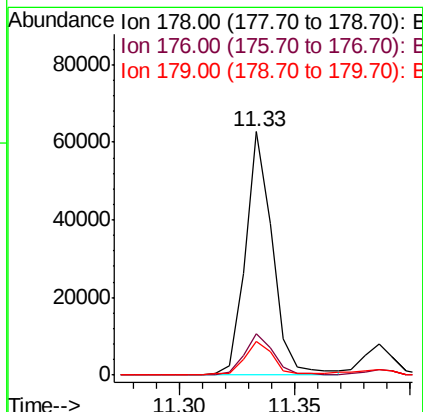
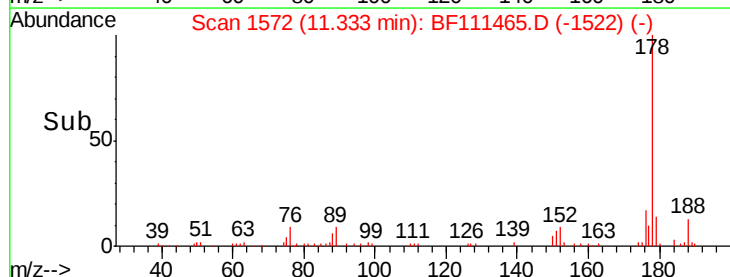
179 14.0 14.0 21.0

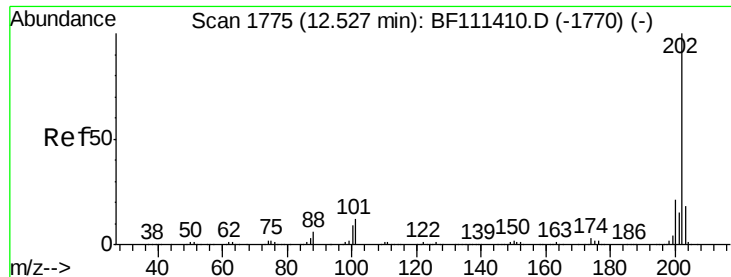


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

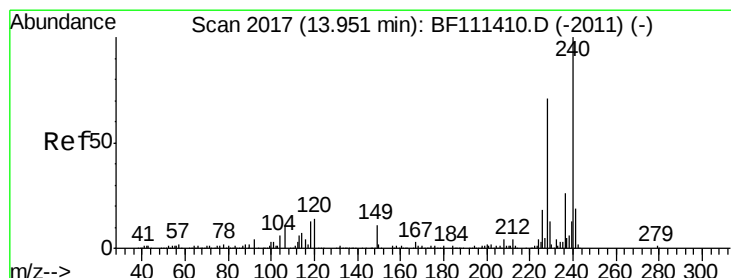
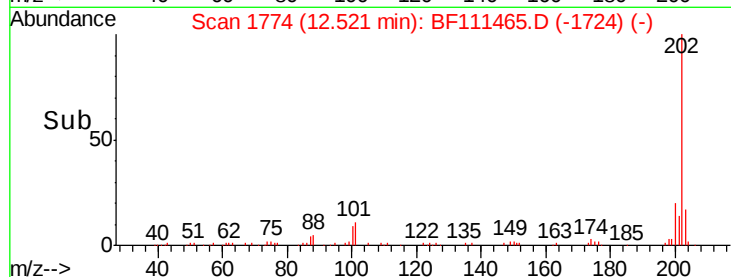
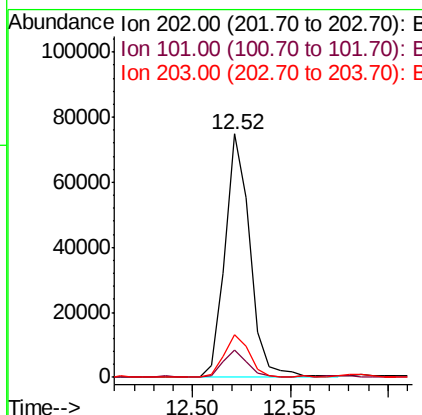
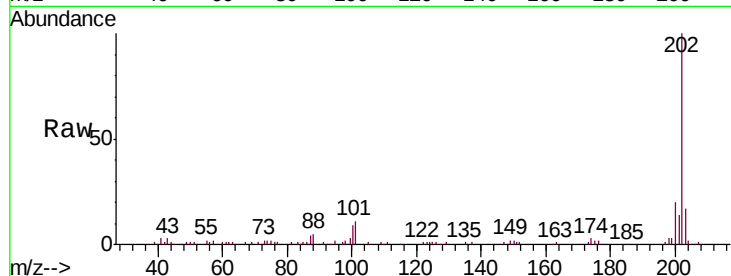




#75
Fluoranthene
Concen: 3.216 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF111465.D
Acq: 15 Dec 2018 13:40

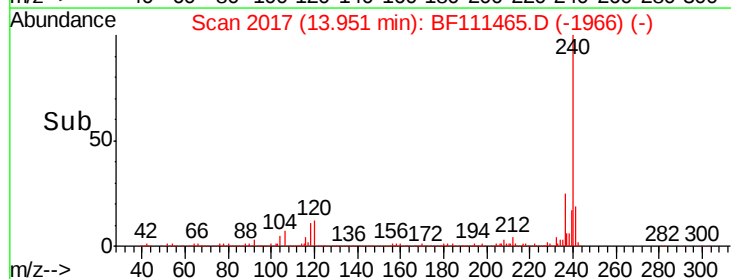
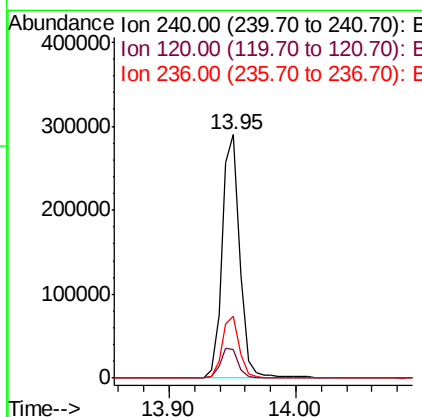
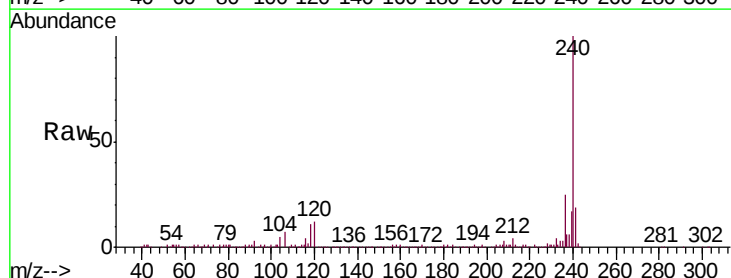
Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-1-120718

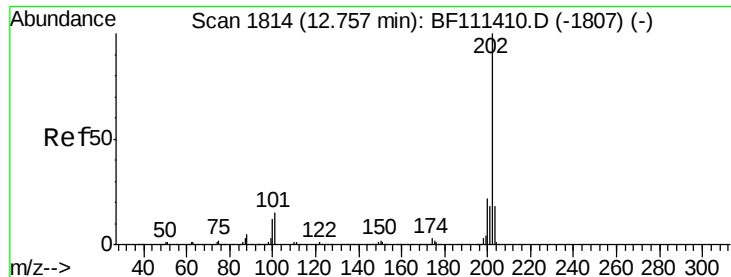
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	66435		
101	11.0	0.0	33.8	
203	17.5	0.0	38.6	



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF111465.D
Acq: 15 Dec 2018 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	282460		
120	11.8	12.2	18.2#	
236	25.3	20.2	30.2	

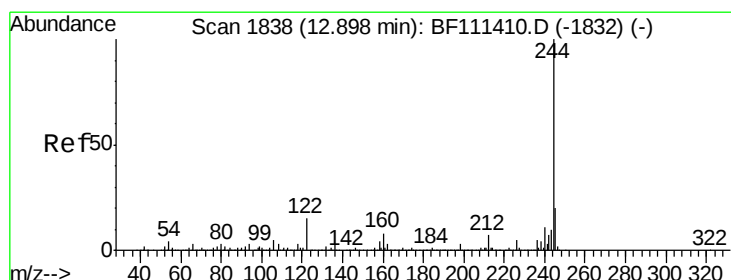
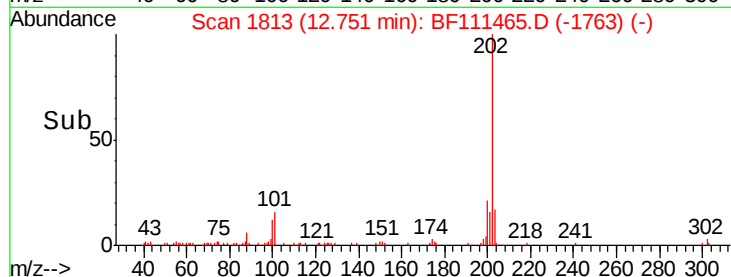
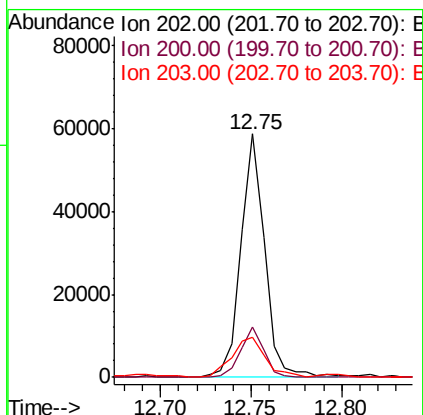
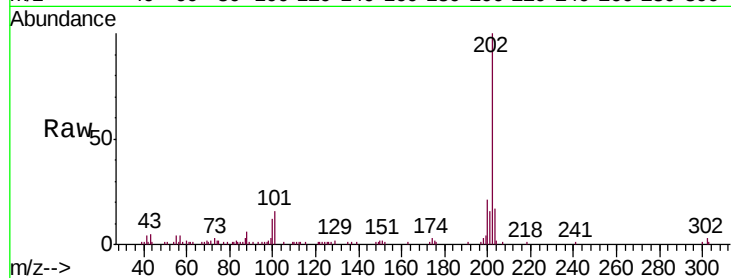




#78
 Pyrene
 Concen: 2.707 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BF111465.D
 Acq: 15 Dec 2018 13:40

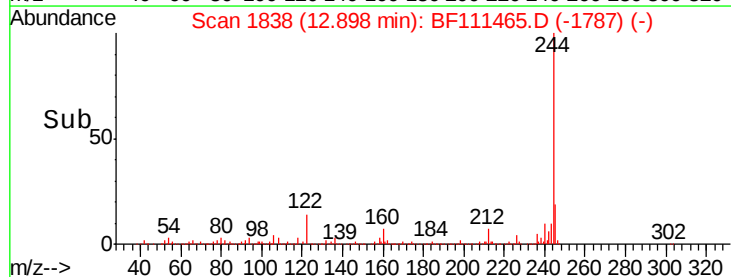
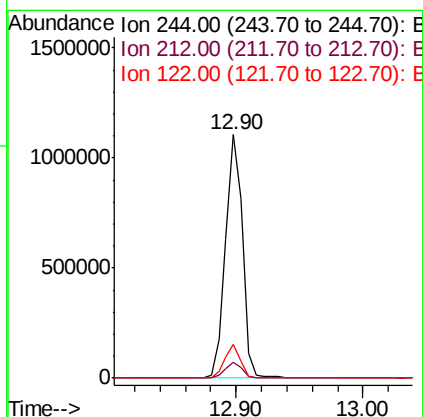
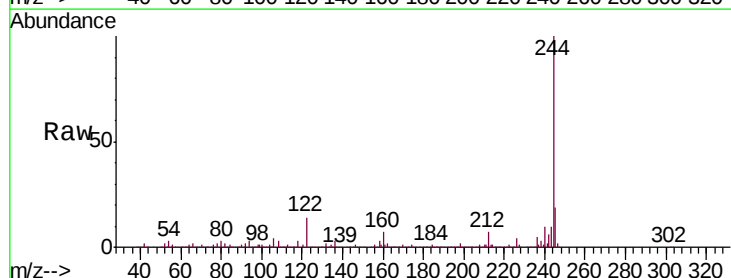
Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-1-120718

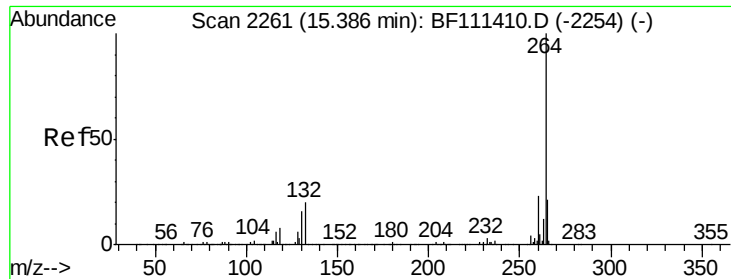
Tgt Ion:	202	Resp:	53905
Ion	Ratio	Lower	Upper
202	100		
200	20.8	19.0	28.4
203	16.6	15.2	22.8



#79
 Terphenyl-d14
 Concen: 85.372 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF111465.D
 Acq: 15 Dec 2018 13:40

Tgt Ion:	244	Resp:	1026911
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	13.6	13.1	19.7



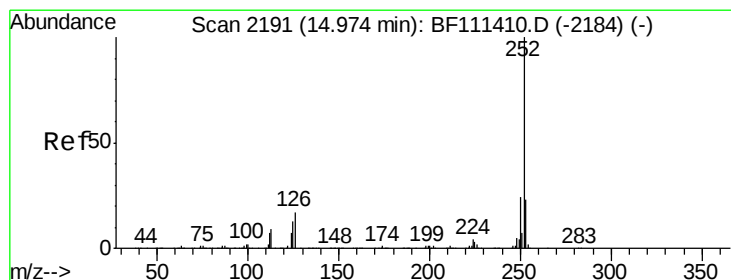
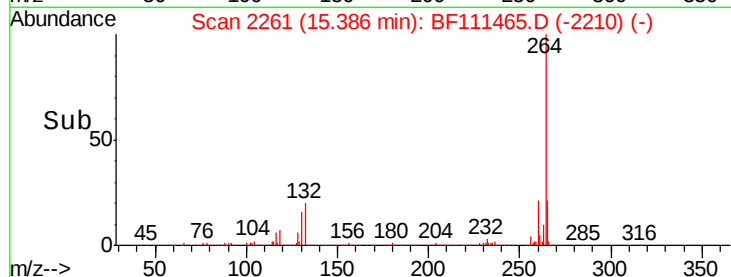
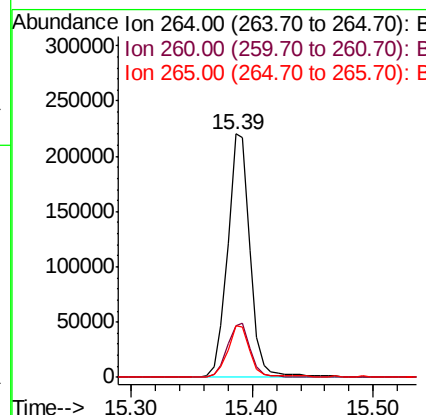
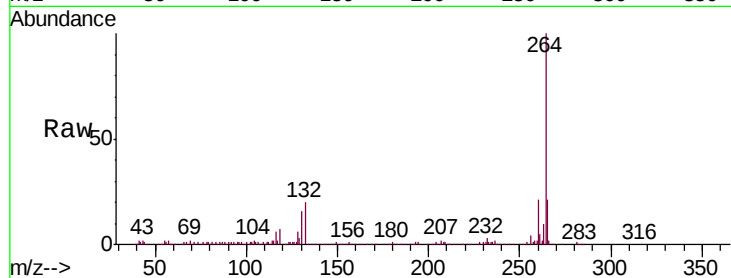


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF111465.D
Acq: 15 Dec 2018 13:40

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-1-120718

Tgt Ion: 264 Resp: 283146

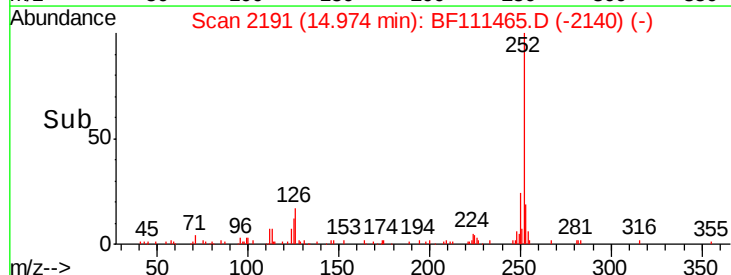
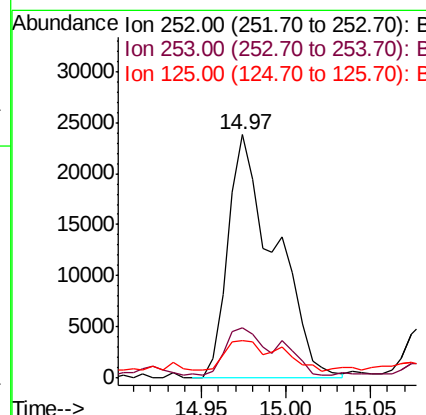
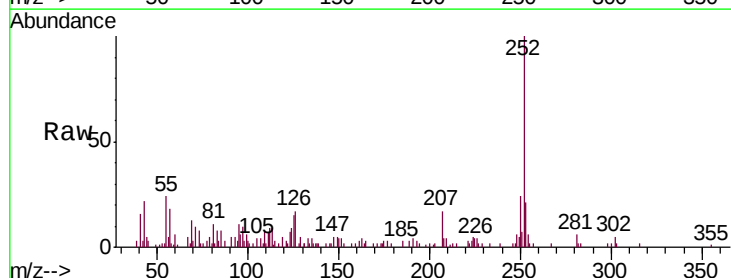
Ion	Ratio	Lower	Upper
264	100		
260	21.3	18.3	27.5
265	21.1	17.7	26.5

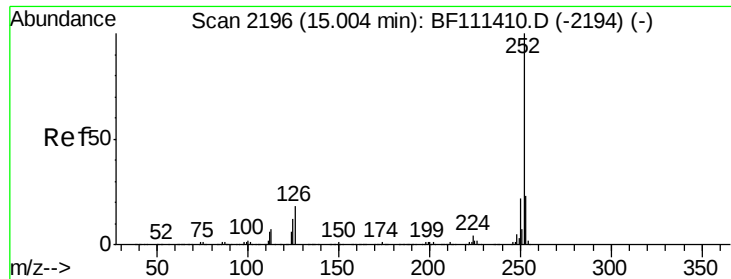


#88
Benzo(b)fluoranthene
Concen: 2.768 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111465.D
Acq: 15 Dec 2018 13:40

Tgt Ion: 252 Resp: 45688

Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.2	27.2
125	15.3	10.4	15.6





#89

Benzo(k)fluoranthene

Concen: 2.897 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.03 min

Lab File: BF111465.D

Acq: 15 Dec 2018 13:40

Instrument :

BNA_F

ClientSampleId :

SUP-2A-C-1-120718

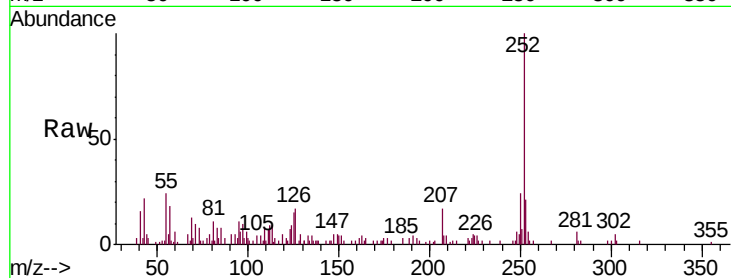
Tgt Ion:252 Resp: 45688

Ion Ratio Lower Upper

252 100

253 20.6 18.1 27.1

125 15.3 9.8 14.8#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

