

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111423.D
 Acq On : 14 Dec 2018 17:17
 Operator : JU/SJ
 Sample : J6319-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 17:46:05 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	170519	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	660261	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	305874	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	429931	20.00	ng	0.00
76) Chrysene-d12	13.99	240	258638	20.00	ng	0.04
87) Perylene-d12	15.43	264	248197	20.00	ng	0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1007304	98.30	ng	0.00
7) Phenol-d6	6.44	99	1300711	95.43	ng	0.00
23) Nitrobenzene-d5	7.36	82	790978	71.34	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	215401	78.61	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1113890	56.25	ng	0.00
79) Terphenyl-d14	12.91	244	670960	60.92	ng	0.01

Target Compounds				Qvalue		
9) Benzaldehyde	6.35	77	28891	3.495	ng	# 1
10) Phenol	6.45	94	103168	6.795	ng	95
15) Benzyl Alcohol	6.95	79	21441	2.067	ng	# 49
18) Hexachloroethane	7.33	117	159558	31.340	ng	# 1
19) n-Nitroso-di-n-propylamine	7.24	70	22240	2.473	ng	# 68
22) Acetophenone	7.19	105	145960	9.903	ng	# 48
24) Nitrobenzene	7.37	77	31465	2.782	ng	# 44
25) Isophorone	7.61	82	42537	2.267	ng	# 1
31) Naphthalene	8.10	128	328945	10.652	ng	96
37) 2-Methylnaphthalene	8.79	142	140214	6.710	ng	99
38) 1-Methylnaphthalene	8.89	142	153980	7.627	ng	# 99
49) Acenaphthylene	9.69	152	412068	14.092	ng	96
50) Dimethylphthalate	9.55	163	103299	4.689	ng	99
52) Acenaphthene	9.86	154	461134	24.950	ng	97
55) Dibenzofuran	10.03	168	352281	13.131	ng	95
56) 4-Nitrophenol	10.03	139	131505	31.552	ng	# 10
57) 2,4-Dinitrotoluene	9.99	165	13368	2.054	ng	# 51
58) Fluorene	10.38	166	785284	40.356	ng	99
67) 4-Bromophenyl-phenylether	10.62	248	13995	3.020	ng	# 1
71) Phenanthrene	11.36	178	5119129	231.075	ng	100
72) Anthracene	11.40	178	1485230	65.555	ng	96
73) Carbazole	11.54	167	608362	25.967	ng	97
75) Fluoranthene	12.57	202	8118405	374.591	ng	94
78) Pyrene	12.80	202	7360410	403.645	ng	95
81) Benzo(a)anthracene	13.97	228	4868629	346.197	ng	97
83) Chrysene	14.02	228	4056179	273.793	ng	95
86) Indeno(1,2,3-cd)pyrene	16.89	276	1989537	186.073	ng	# 89
88) Benzo(b)fluoranthene	15.03	252	6943829	479.870	ng	97
89) Benzo(k)fluoranthene	15.03	252	6943829	502.210	ng	96
90) Benzo(a)pyrene	15.39	252	3624941	277.800	ng	96
91) Dibenz(a,h)anthracene	16.89	278	668233	64.920	ng	94
92) Benzo(a,h,i)perylene	17.32	276	1853344	183.432	ng	93

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

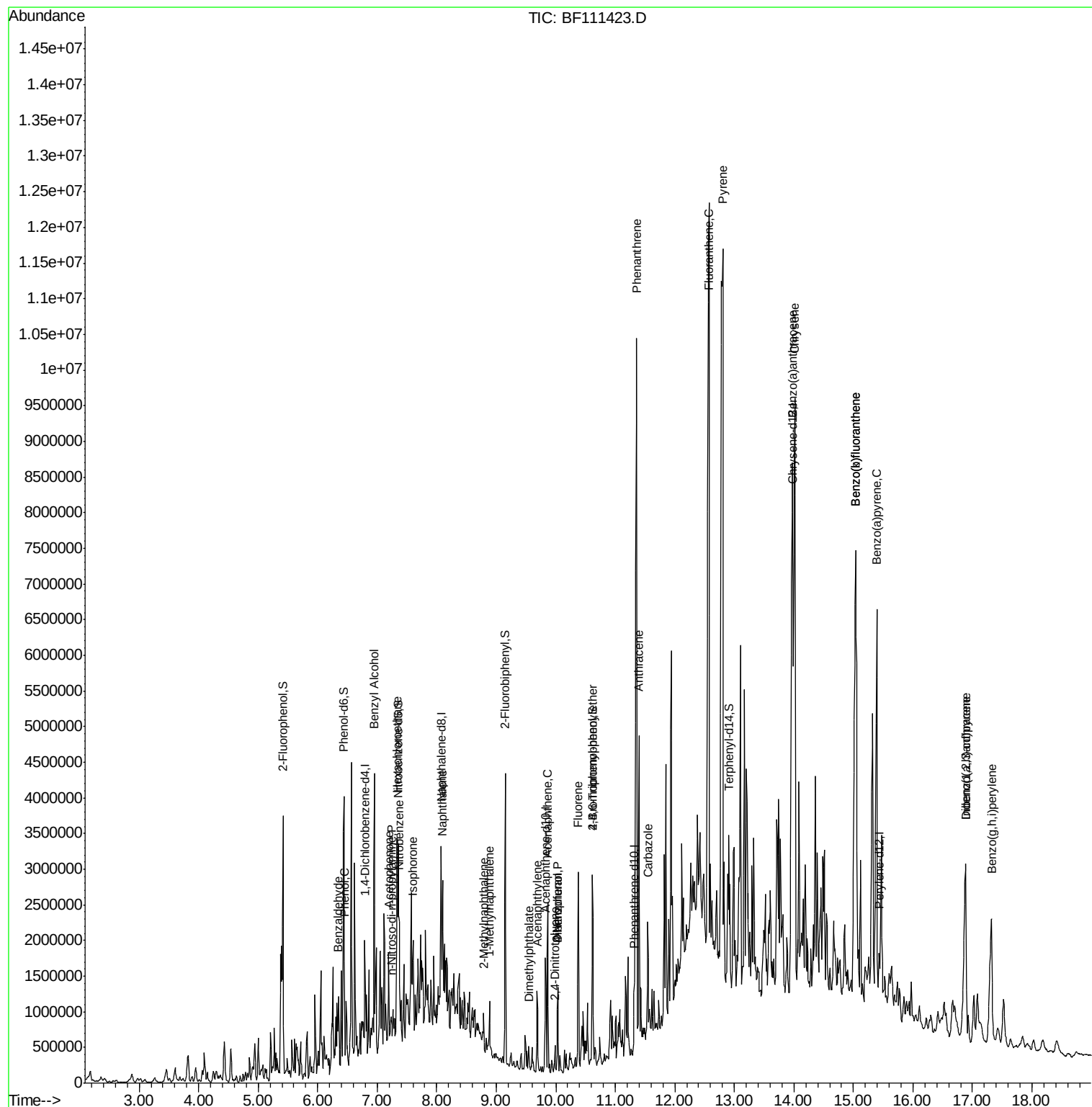
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

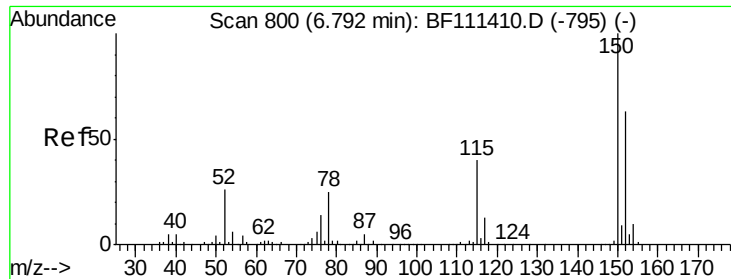
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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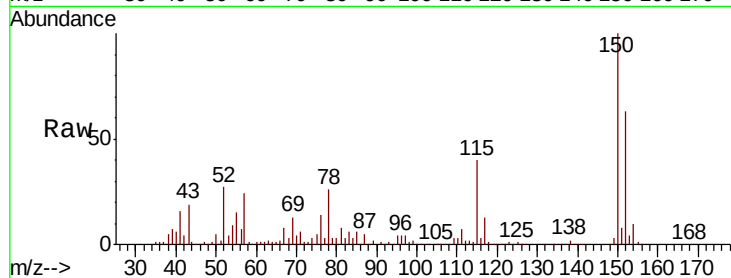


#1

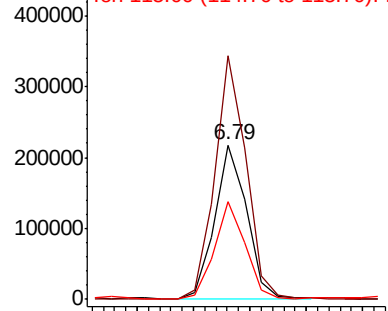
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :

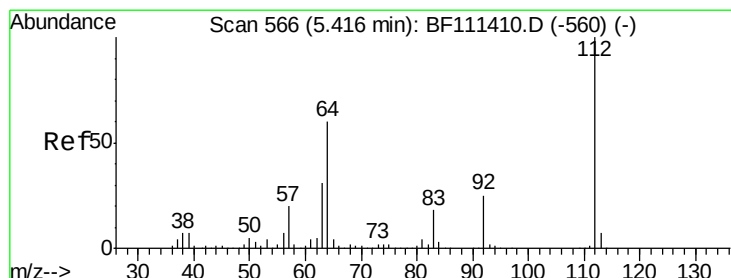
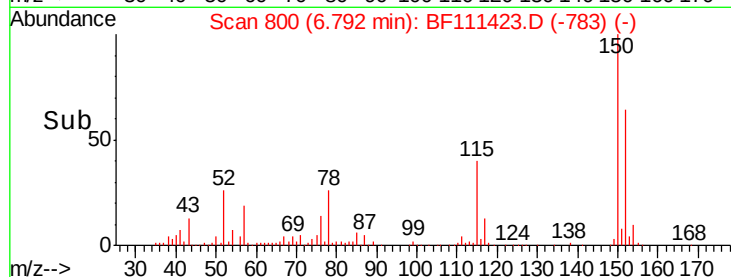
Tot Ion:152 Resp: 170519
Ion Ratio Lower Upper
152 100
150 157.5 126.6 189.8
115 62.9 50.7 76.1



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



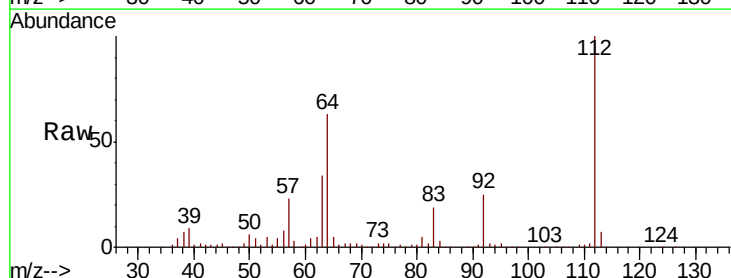
Time-->



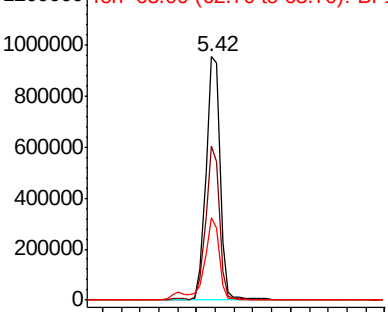
#5

2-Fluorophenol
Concen: 98.301 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

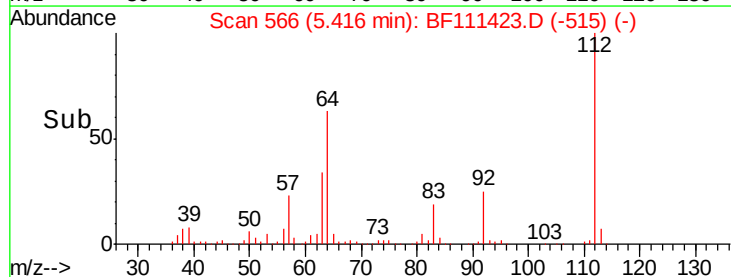
Tgt Ion:112 Resp: 1007304
Ion Ratio Lower Upper
112 100
64 63.3 51.8 77.6
63 33.7 26.8 40.2

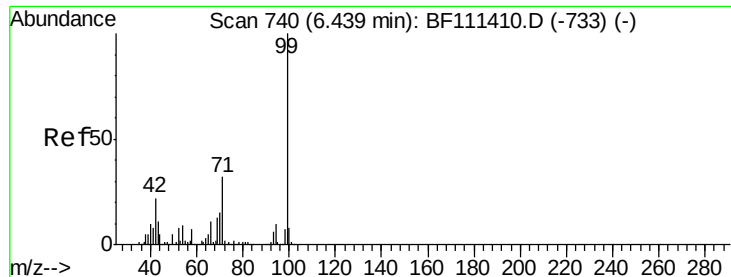


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 95.426 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

ClientSampleId :

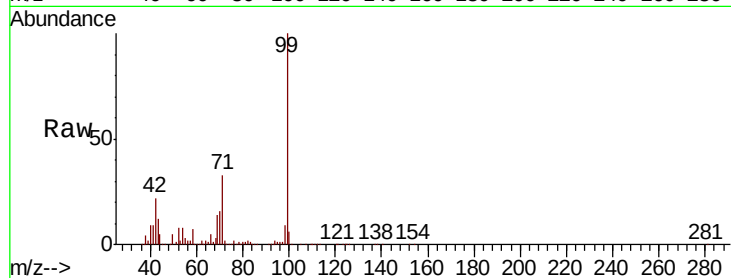
Tot Ion: 99 Resp: 1300711

Ion Ratio Lower Upper

99 100

42 21.7 17.4 26.0

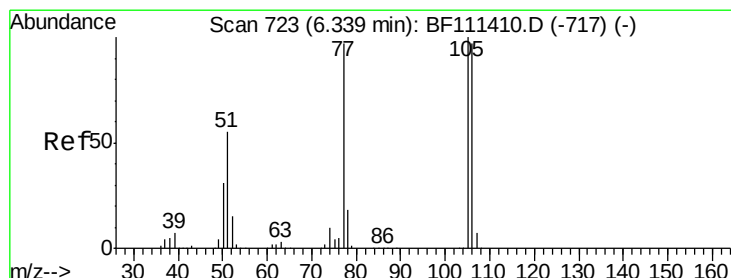
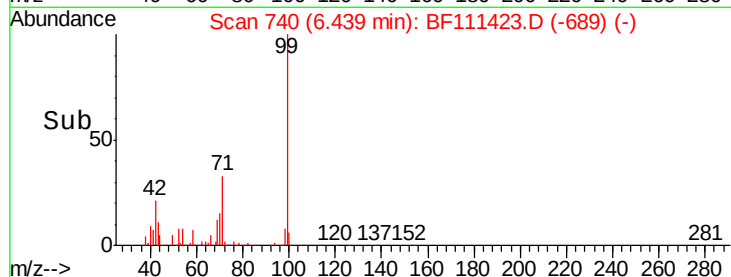
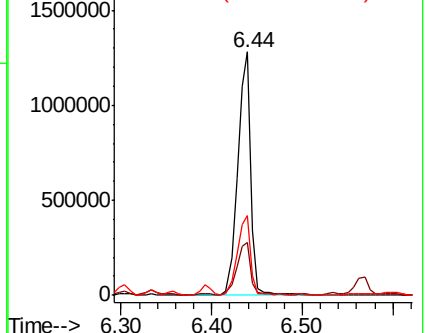
71 33.0 26.1 39.1



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



#9

Benzaldehyde

Concen: 3.495 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

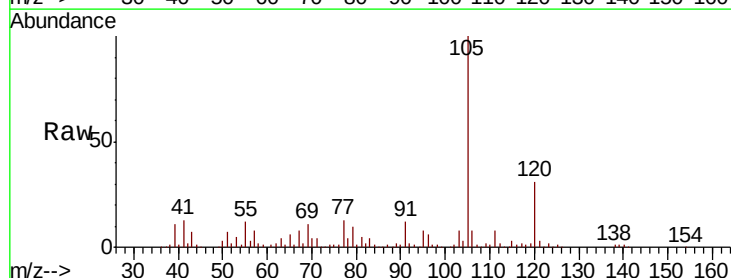
Tgt Ion: 77 Resp: 28891

Ion Ratio Lower Upper

77 100

105 797.7 81.4 121.4#

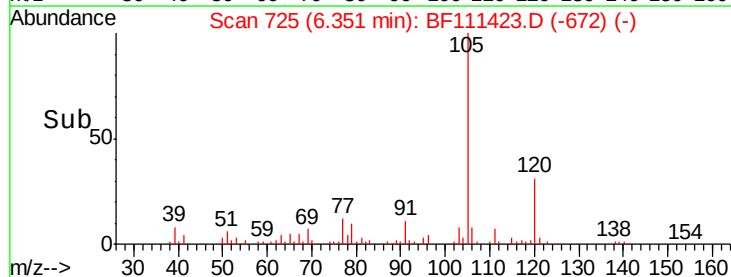
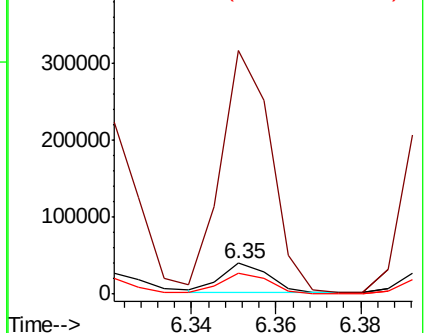
106 67.1 77.9 117.9#

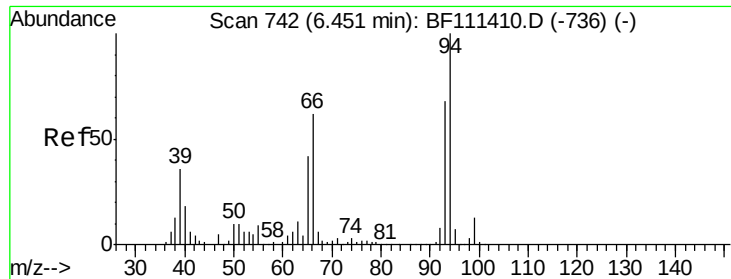


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

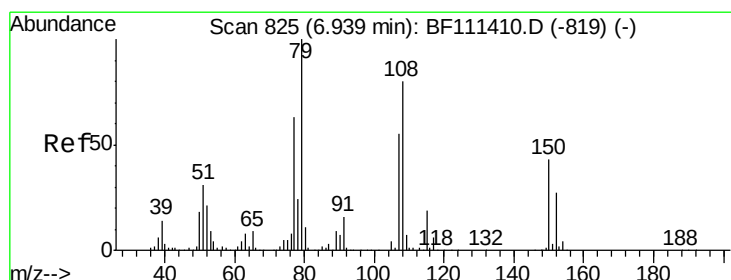
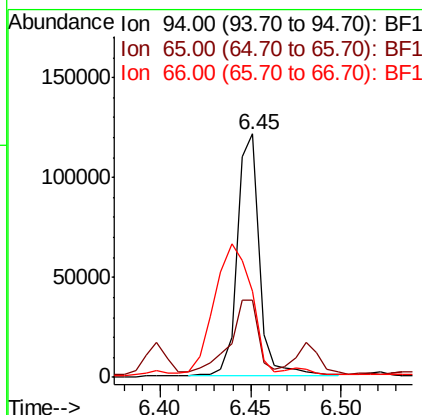
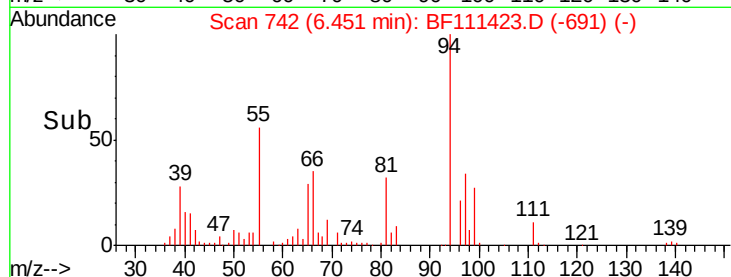
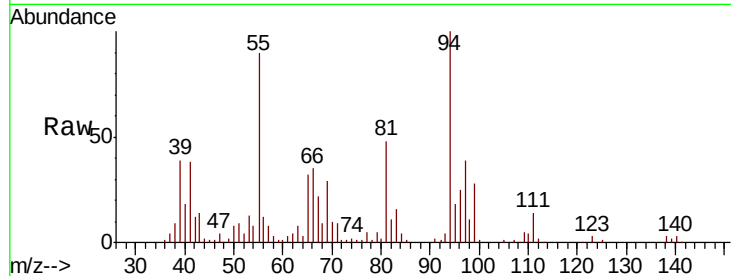




#10
Phenol
Concen: 6.795 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.00 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

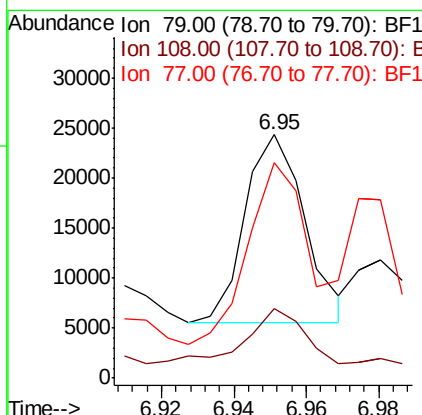
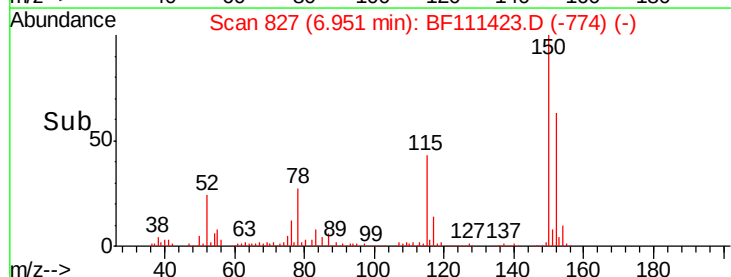
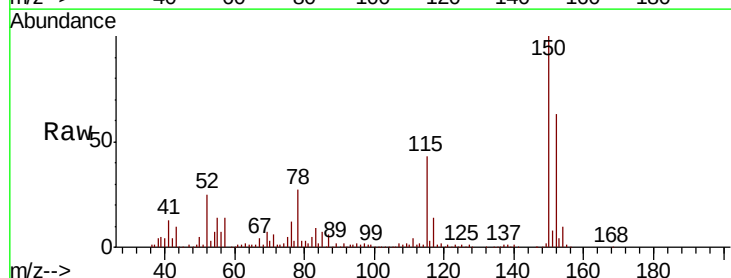
Instrument :
BNA_F
ClientSampleId :

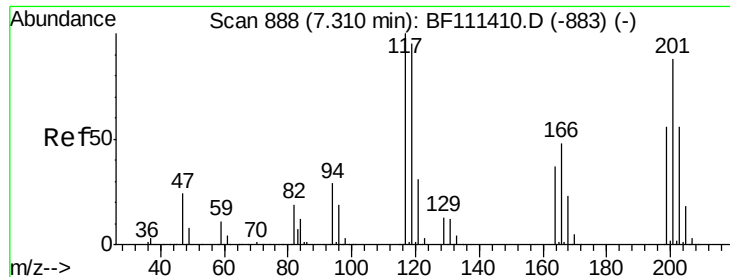
Tot Ion: 94 Resp: 103168
Ion Ratio Lower Upper
94 100
65 31.5 11.7 51.7
66 35.4 21.0 61.0



#15
Benzyl Alcohol
Concen: 2.067 ng
RT: 6.95 min Scan# 827
Delta R.T. 0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion: 79 Resp: 21441
Ion Ratio Lower Upper
79 100
108 28.7 69.4 104.2#
77 88.5 49.7 74.5#

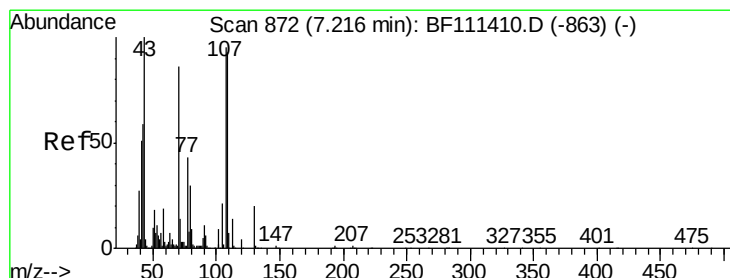
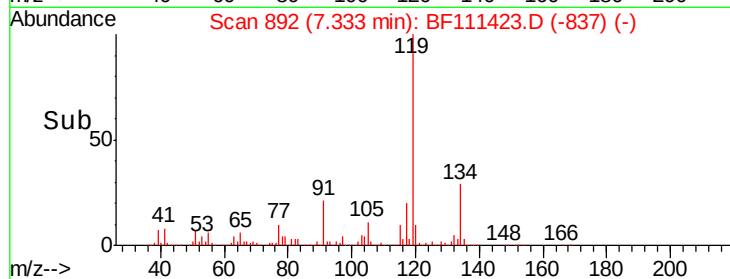
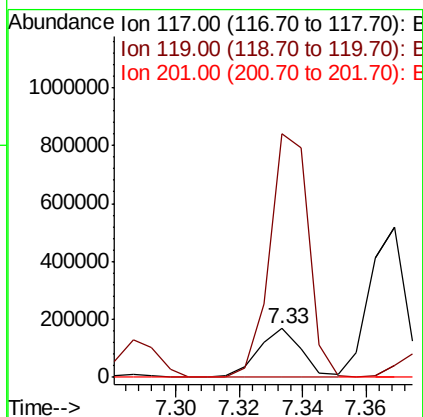
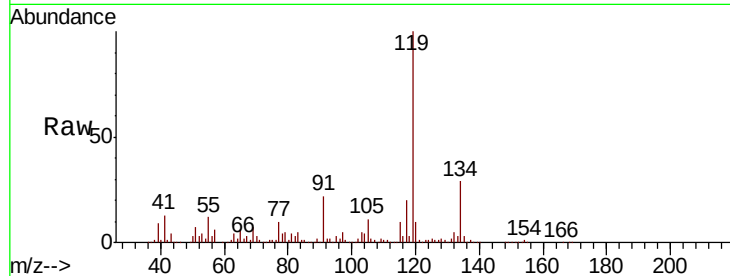




#18
Hexachloroethane
Concen: 31.340 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.02 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

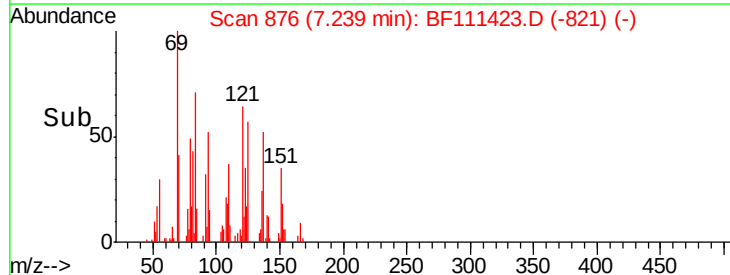
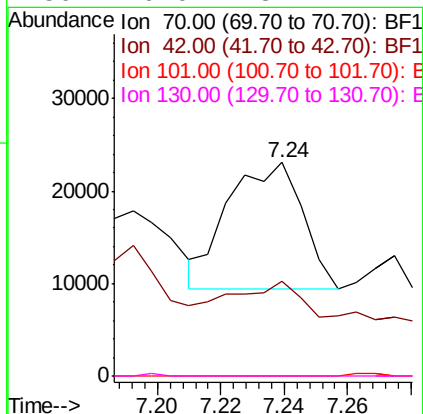
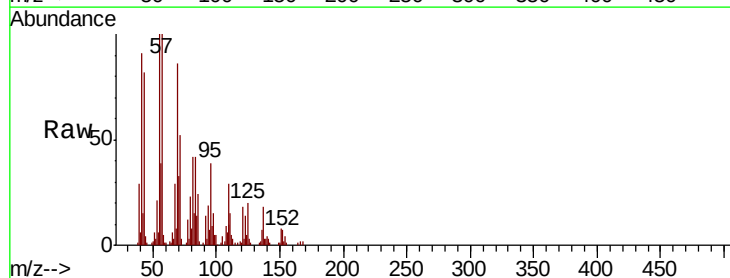
Instrument :
BNA_F
ClientSampleId :

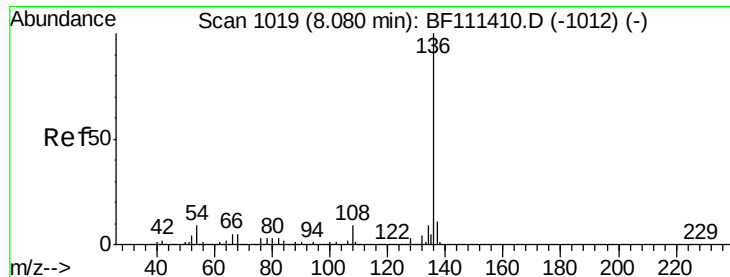
Tot Ion:117 Resp: 159558
Ion Ratio Lower Upper
117 100
119 499.6 75.4 113.0#
201 0.0 62.4 93.6#



#19
n-Nitroso-di-n-propylamine
Concen: 2.473 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.02 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion: 70 Resp: 22240
Ion Ratio Lower Upper
70 100
42 44.6 53.2 79.8#
101 0.0 8.2 12.4#
130 0.0 18.1 27.1#

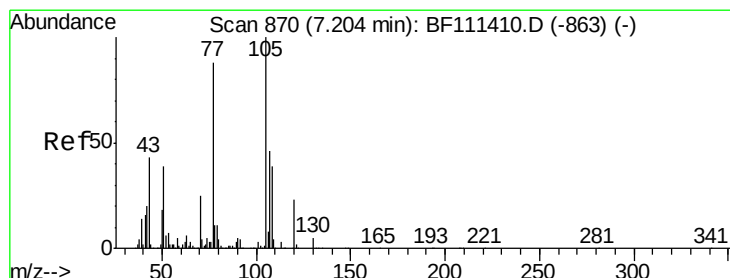
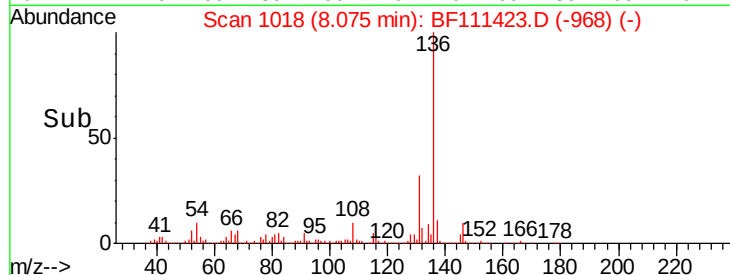
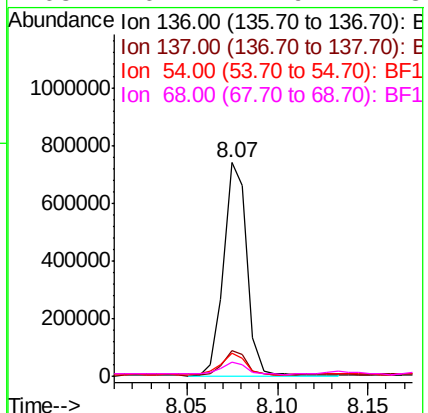
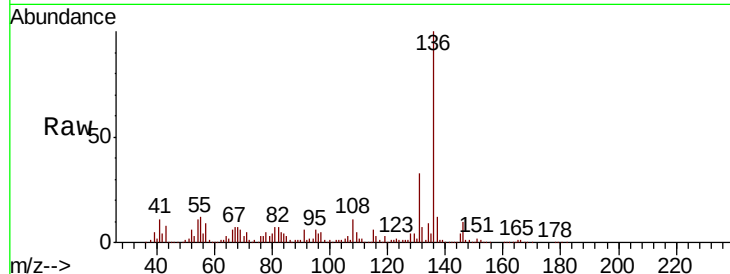




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

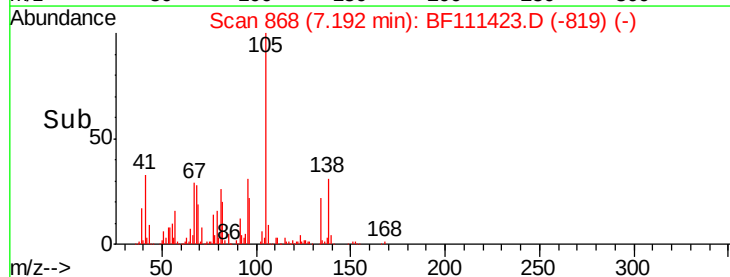
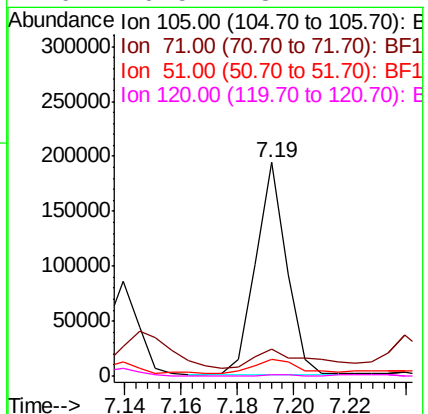
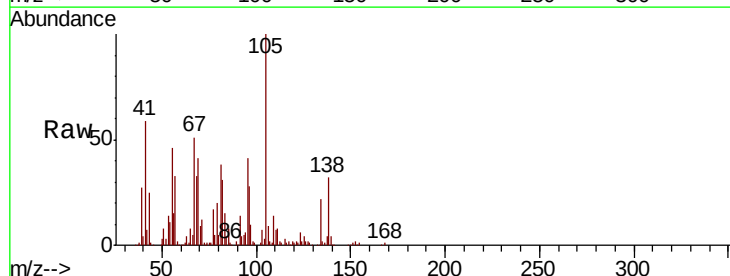
Instrument :
BNA_F
ClientSampled :

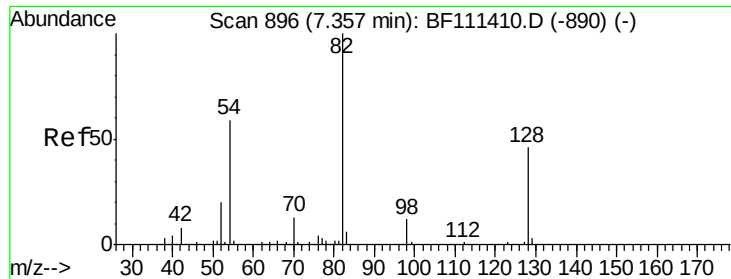
Tot Ion:136	Resp: 660261
Ion Ratio	Lower Upper
136 100	
137 11.9	9.1 13.7
54 11.0	7.7 11.5
68 6.7	4.9 7.3



#22
Acetophenone
Concen: 9.903 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt	Ion:105	Resp:	145960
Ion	Ratio	Lower	Upper
105	100		
71	12.4	3.1	4.7#
51	8.0	36.6	54.8#
120	0.5	18.2	27.4#

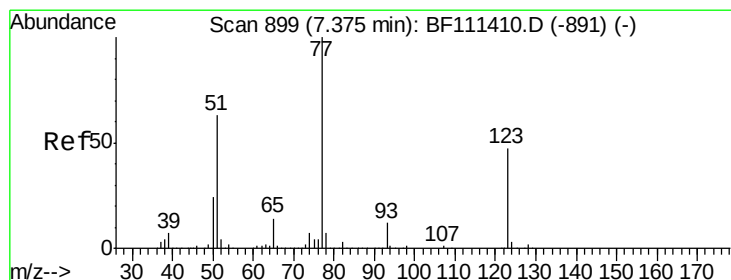
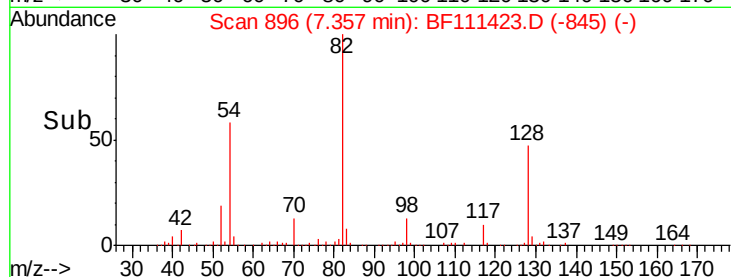
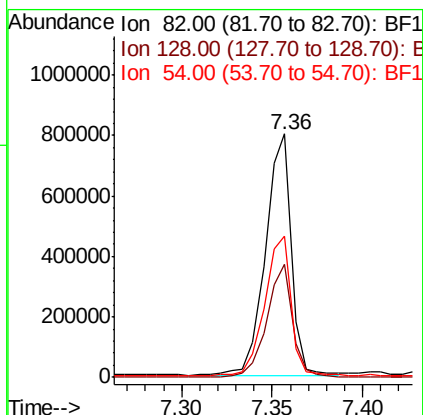
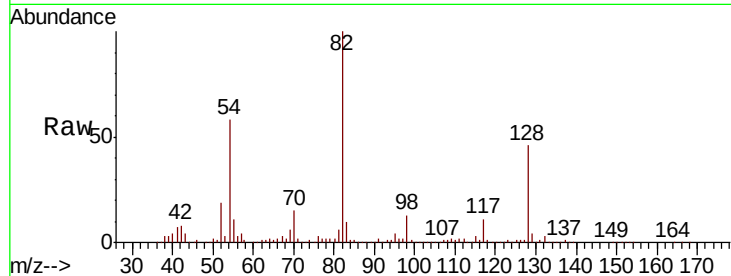




#23
 Nitrobenzene-d5
 Concen: 71.338 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.00 min
 Lab File: BF111423.D
 Acq: 14 Dec 2018 17:17

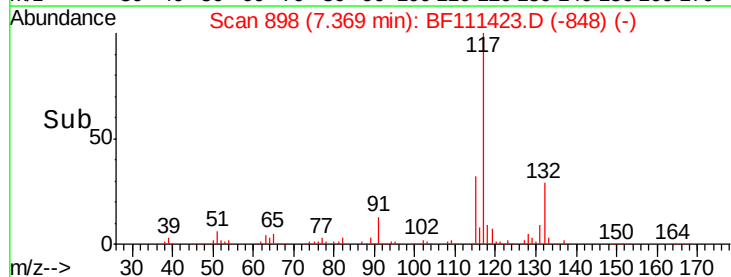
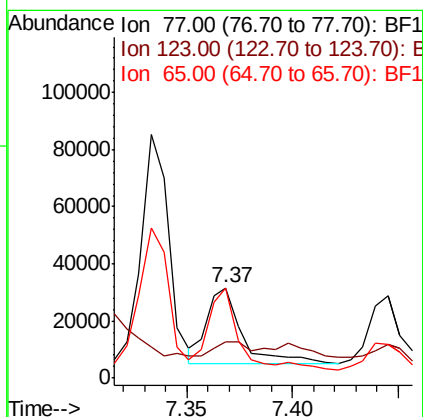
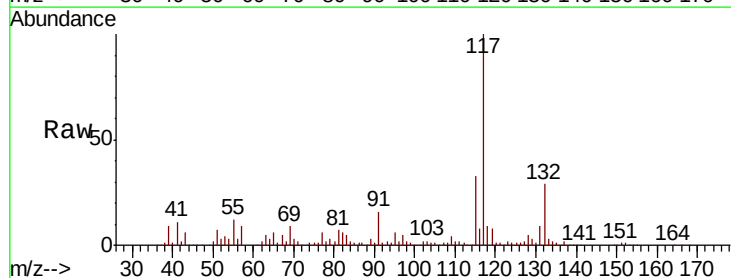
Instrument :
 BNA_F
 ClientSampleId :

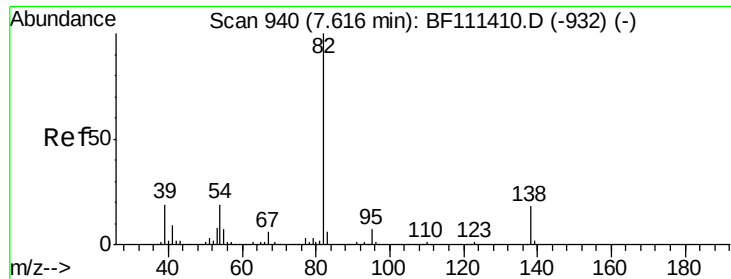
Tot Ion: 82 Resp: 790978
 Ion Ratio Lower Upper
 82 100
 128 46.5 37.4 56.2
 54 58.1 47.6 71.4



#24
 Nitrobenzene
 Concen: 2.782 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF111423.D
 Acq: 14 Dec 2018 17:17

Tgt Ion: 77 Resp: 31465
 Ion Ratio Lower Upper
 77 100
 123 40.3 37.2 55.8
 65 99.3 11.5 17.3#

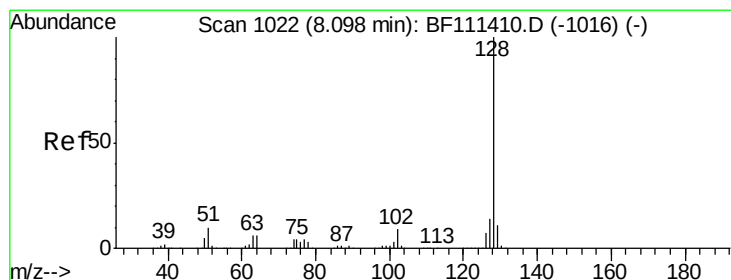
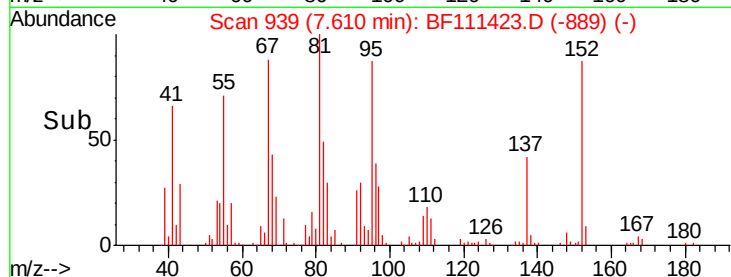
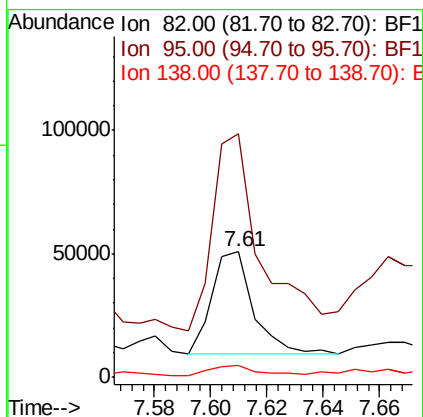
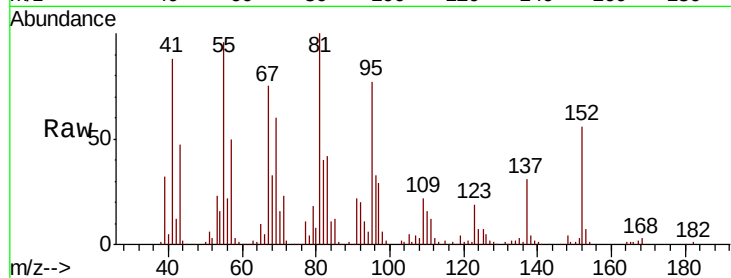




#25
Isophorone
Concen: 2.267 ng
RT: 7.61 min Scan# 939
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

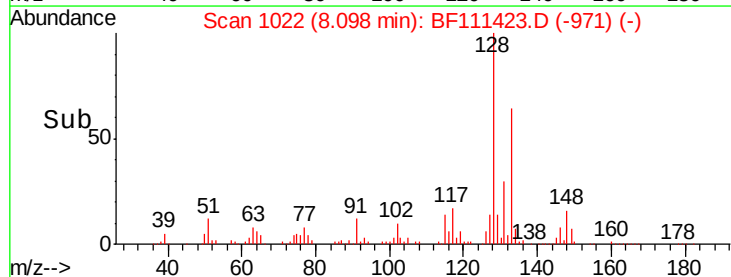
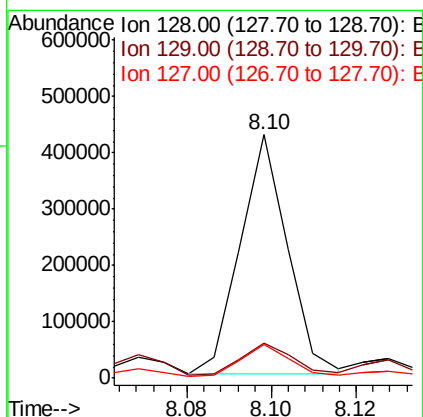
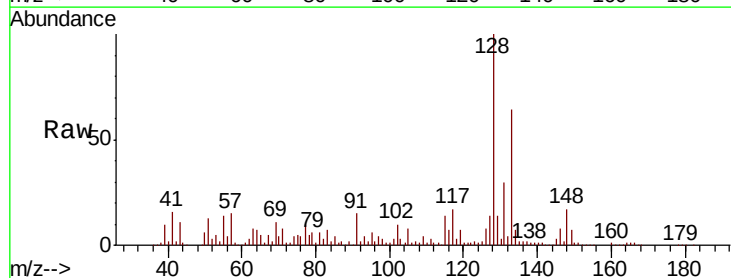
Instrument :
BNA_F
ClientSampleId :

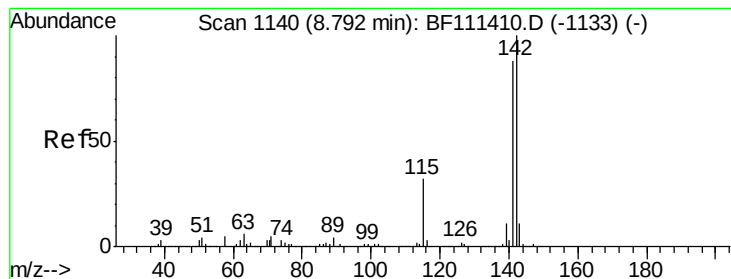
Tot Ion: 82 Resp: 42537
Ion Ratio Lower Upper
82 100
95 193.6 5.4 8.2#
138 9.7 15.1 22.7#



#31
Naphthalene
Concen: 10.652 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion: 128 Resp: 328945
Ion Ratio Lower Upper
128 100
129 14.5 9.8 14.8
127 14.1 12.0 18.0

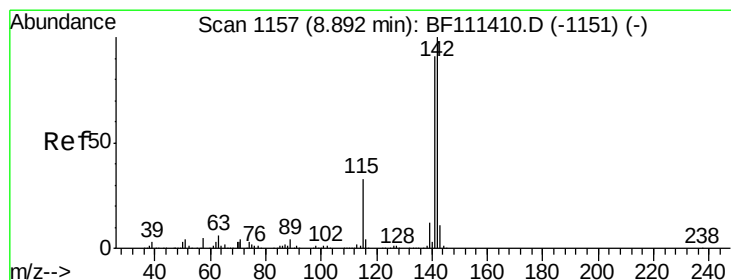
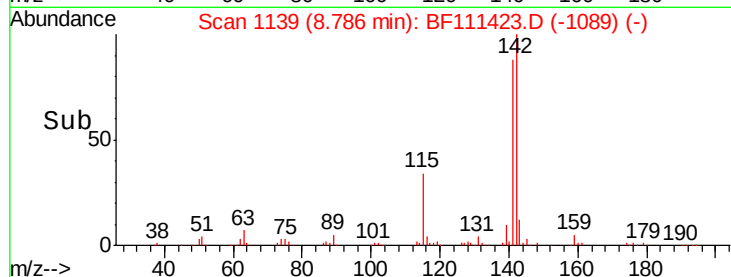
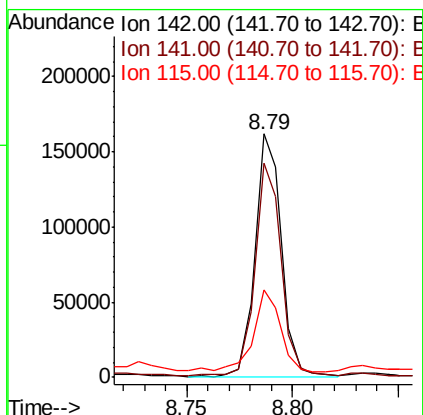
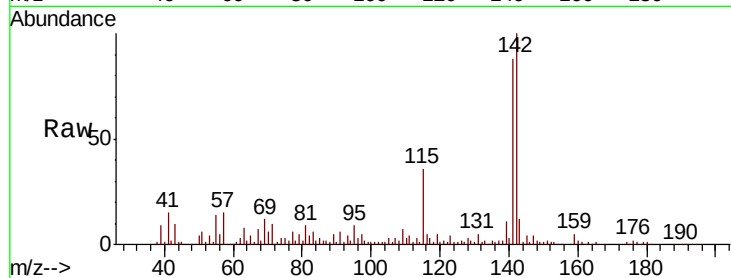




#37
2-Methylnaphthalene
Concen: 6.710 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

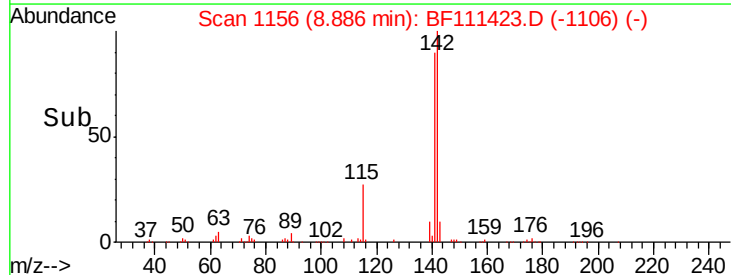
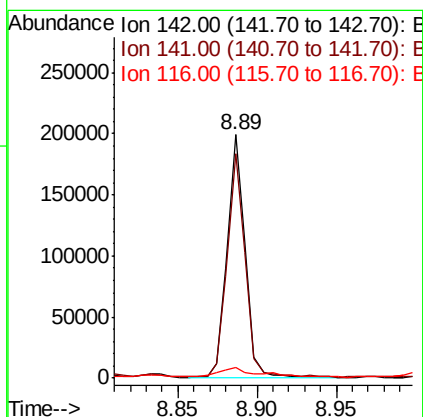
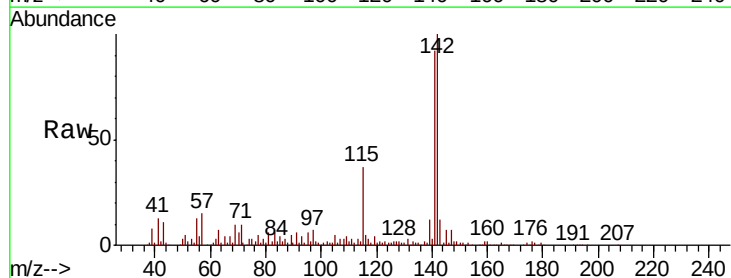
Instrument :
BNA_F
ClientSampleId :

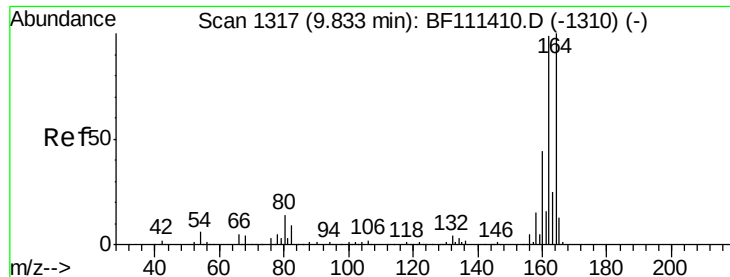
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.6	105.8
115	35.7	27.0	40.6



#38
1-Methylnaphthalene
Concen: 7.627 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.2	111.4
116	4.5	2.9	4.3#

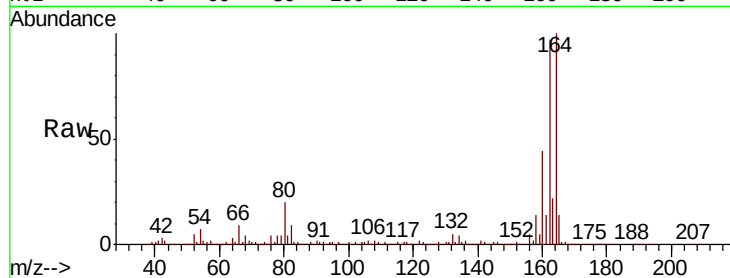




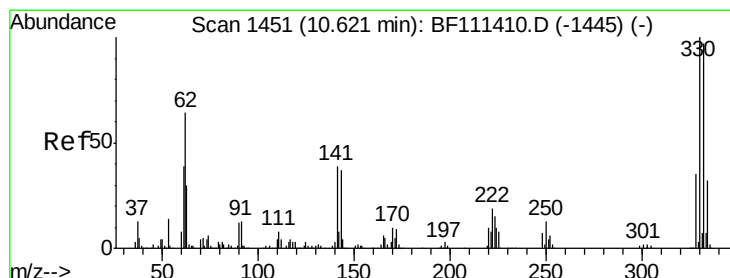
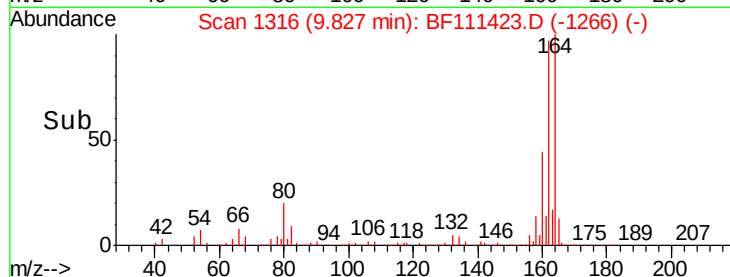
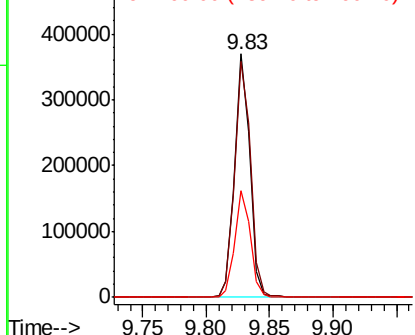
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 305874
Ion Ratio Lower Upper
164 100
162 96.8 81.4 122.0
160 43.8 35.7 53.5

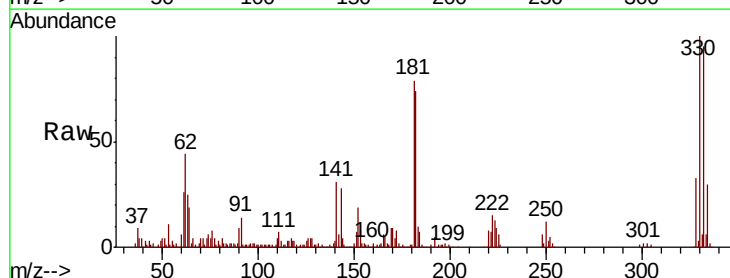


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

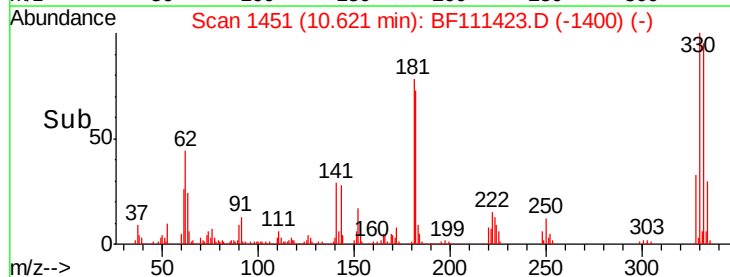
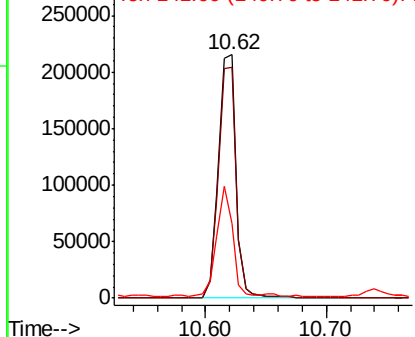


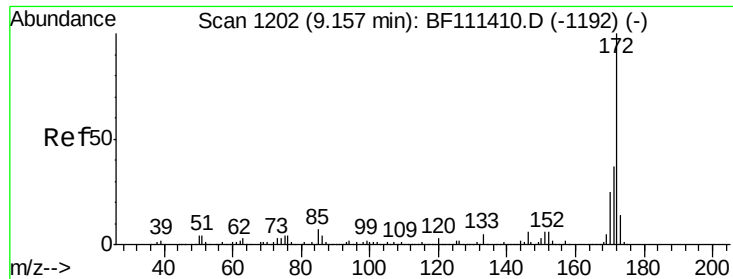
#42
2,4,6-Tribromophenol
Concen: 78.614 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion:330 Resp: 215401
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 41.2 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

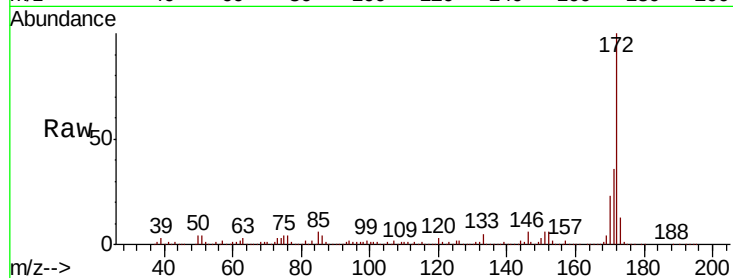




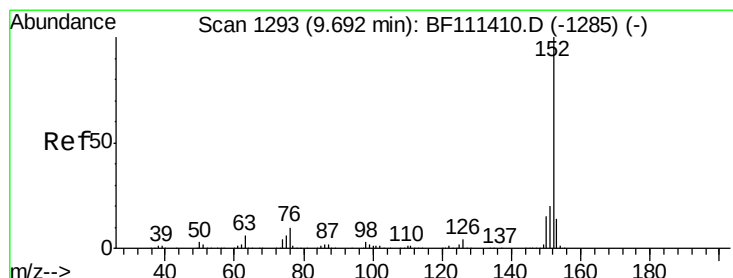
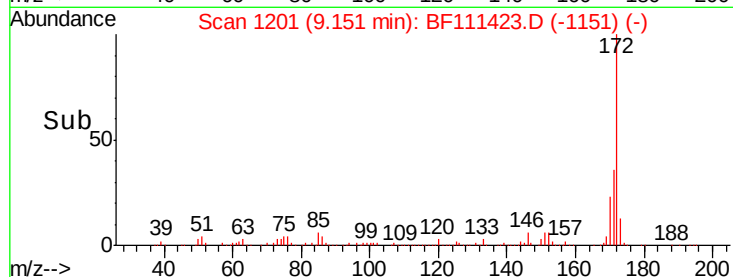
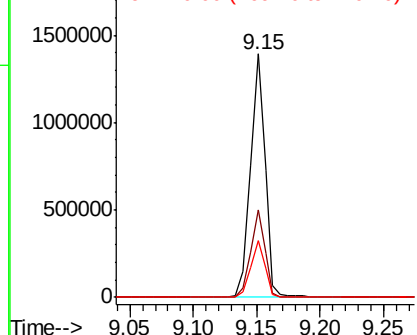
#45
2-Fluorobiphenyl
Concen: 56.251 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1113890
Ion Ratio Lower Upper
172 100
171 36.1 33.0 49.4
170 23.3 22.3 33.5

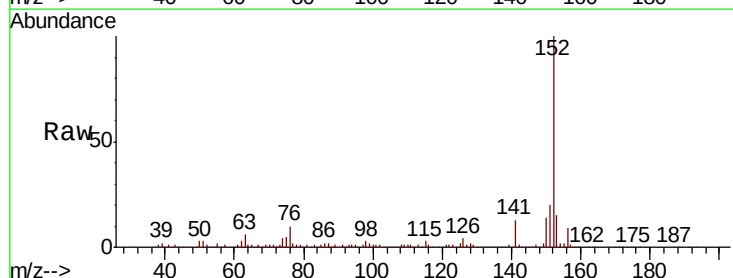


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

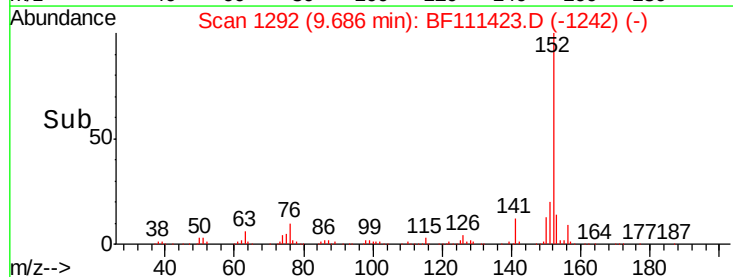
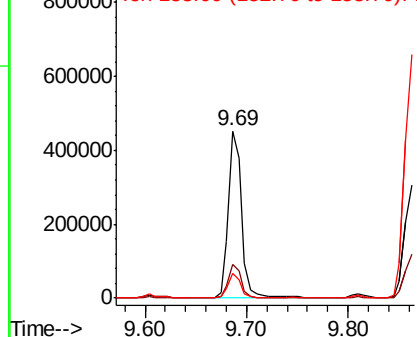


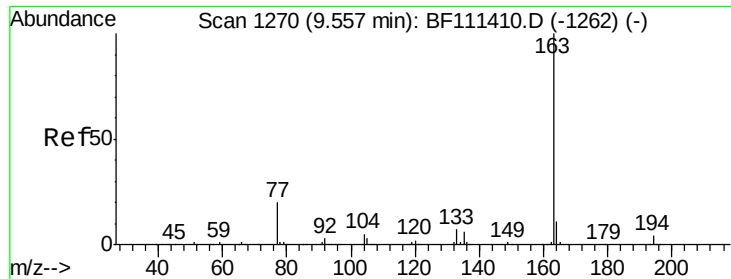
#49
Acenaphthylene
Concen: 14.092 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion:152 Resp: 412068
Ion Ratio Lower Upper
152 100
151 20.2 18.0 27.0
153 14.6 12.3 18.5



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

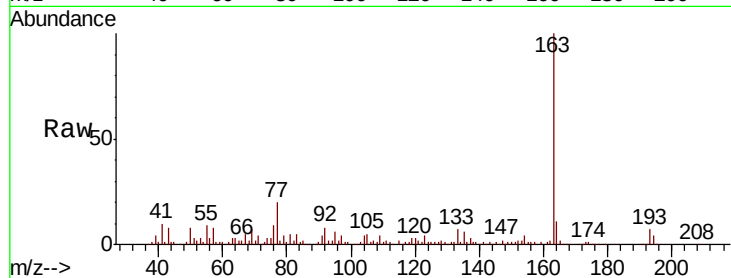




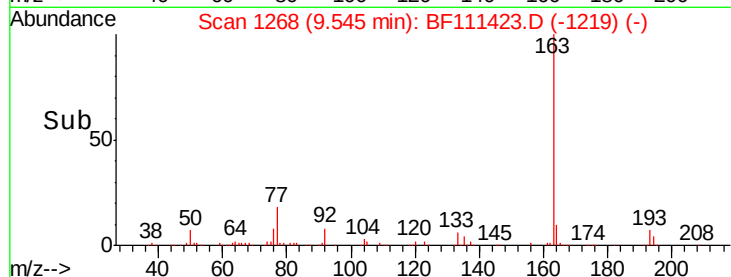
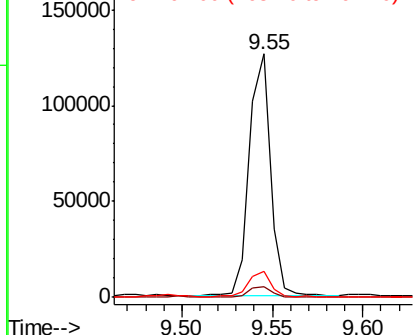
#50
Dimethylphthalate
Concen: 4.689 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.0	4.6
164	10.6	8.9	13.3

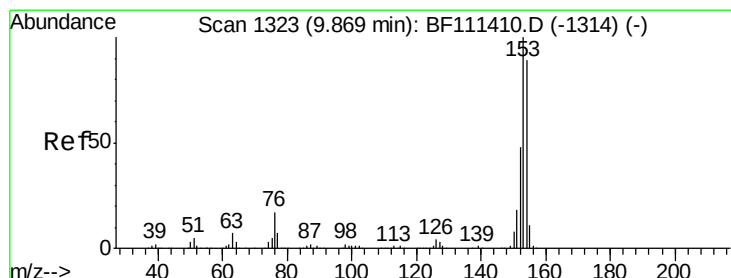


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

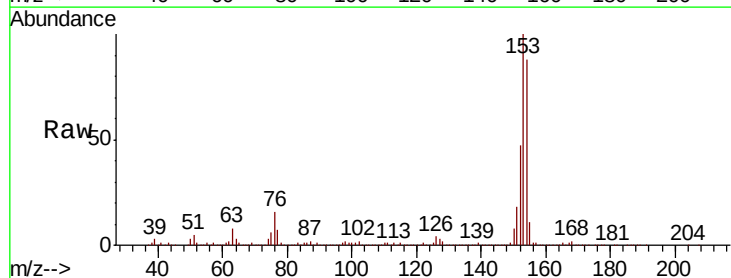
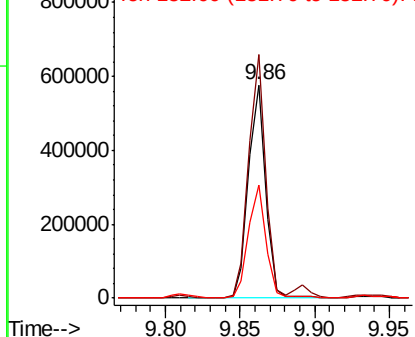


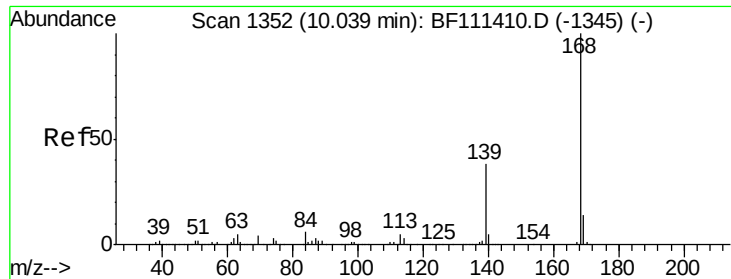
#52
Acenaphthene
Concen: 24.950 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.2	87.8	131.8
152	53.2	43.4	65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

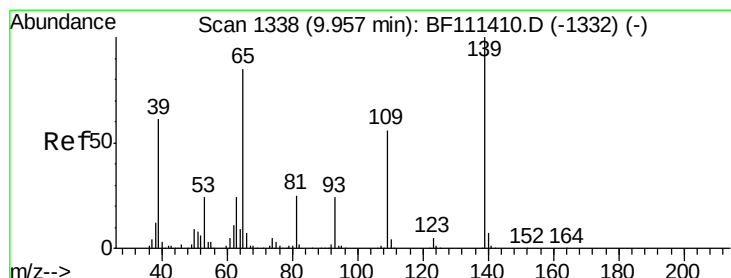
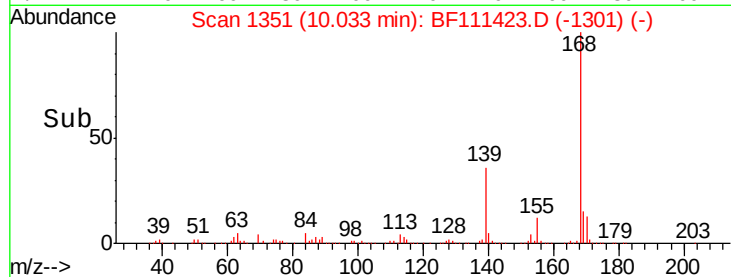
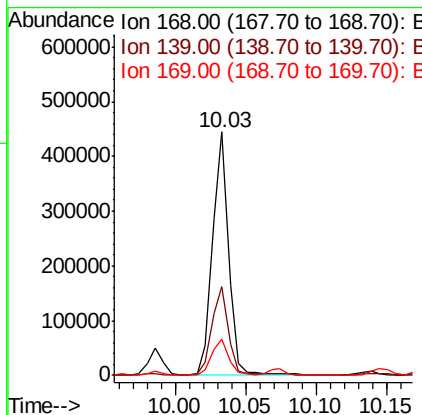
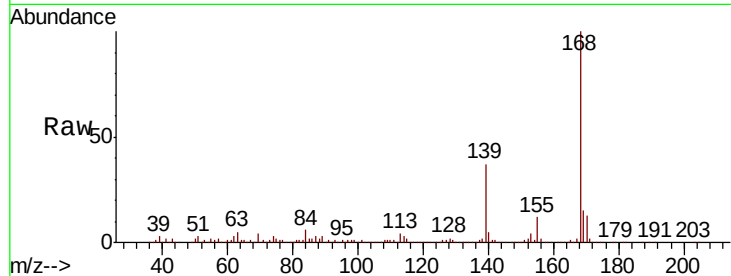




#55
Dibenzofuran
Concen: 13.131 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

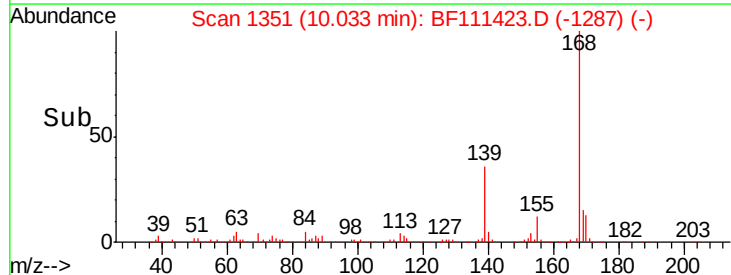
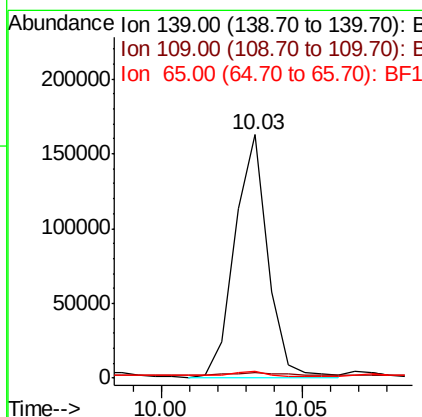
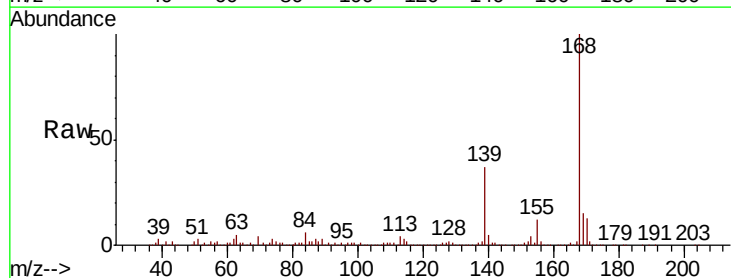
Instrument :
BNA_F
ClientSampled :

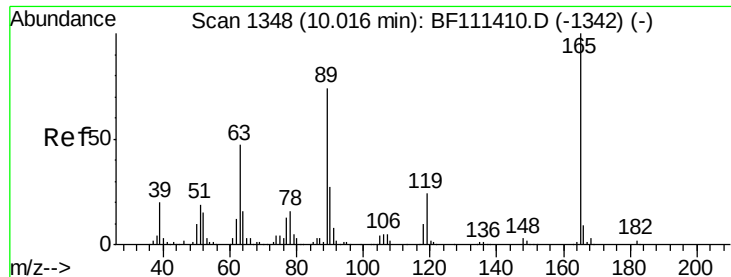
Tot Ion:168 Resp: 352281
Ion Ratio Lower Upper
168 100
139 36.6 32.6 49.0
169 15.0 11.8 17.6



#56
4-Nitrophenol
Concen: 31.552 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.08 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion:139 Resp: 131505
Ion Ratio Lower Upper
139 100
109 2.0 41.8 81.8#
65 2.6 79.6 119.6#





#57

2,4-Dinitrotoluene

Concen: 2.054 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.03 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 13368

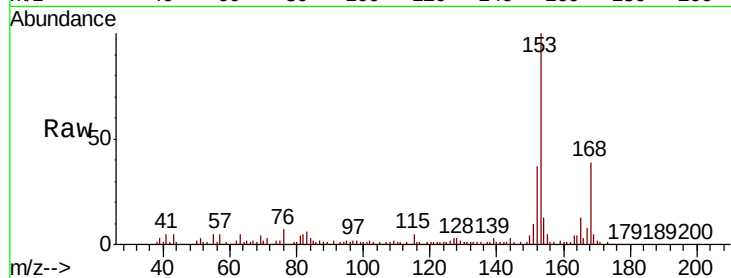
Ion Ratio Lower Upper

165 100

63 35.9 34.6 52.0

89 10.2 56.2 84.4#

182 0.0 1.8 2.6#

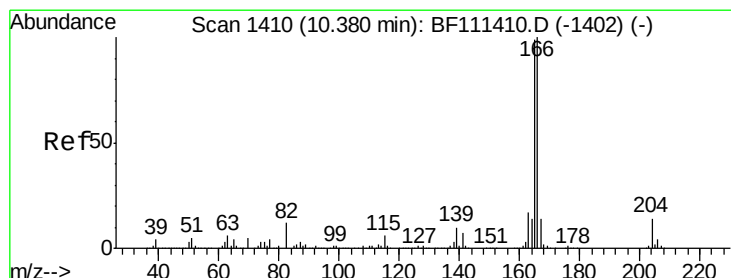
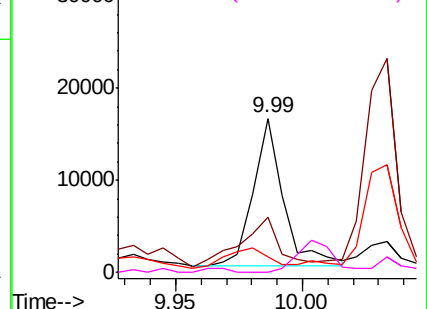
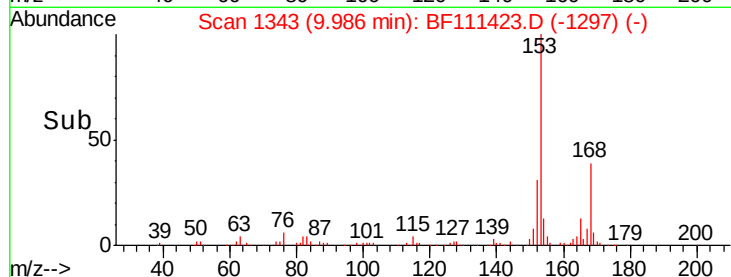


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: 40.356 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.00 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

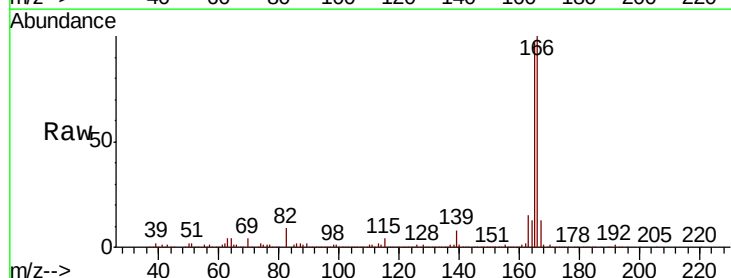
Tgt Ion:166 Resp: 785284

Ion Ratio Lower Upper

166 100

165 96.8 78.4 117.6

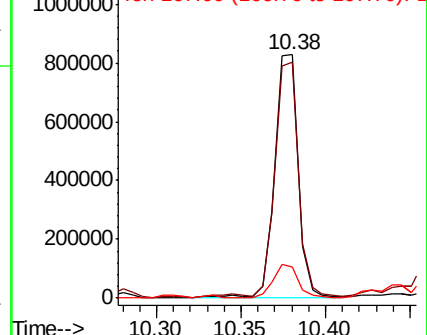
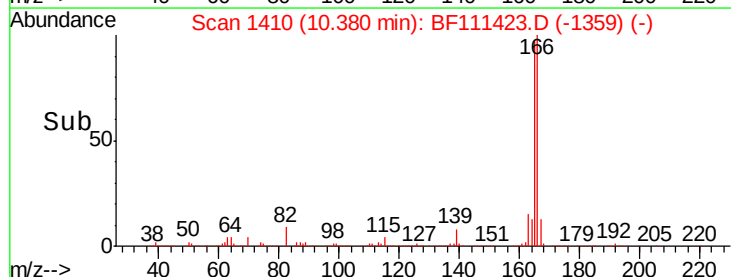
167 13.0 11.2 16.8

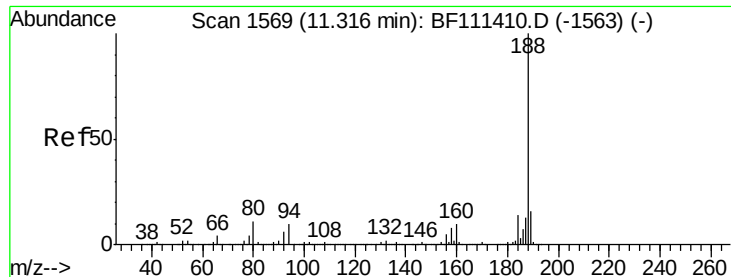


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

ClientSampled :

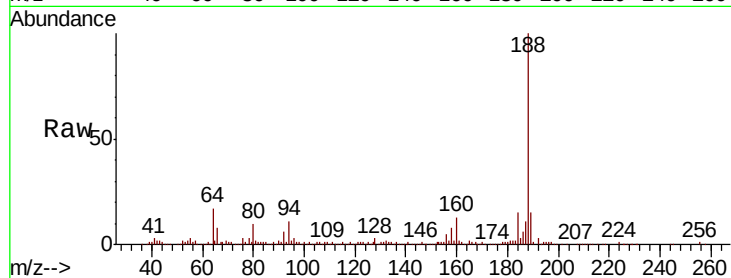
Tot Ion:188 Resp: 429931

Ion Ratio Lower Upper

188 100

94 10.9 9.6 14.4

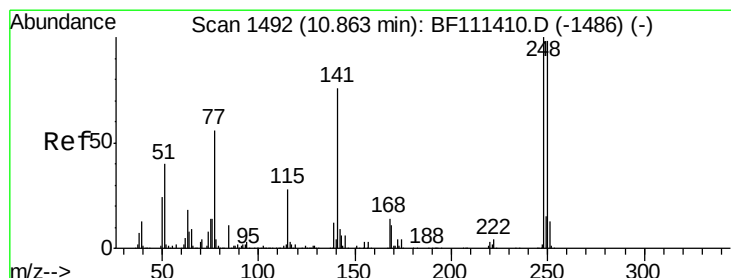
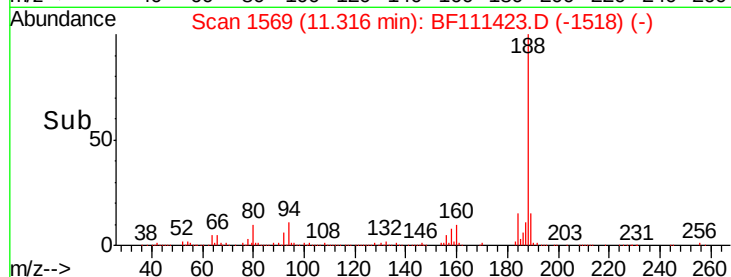
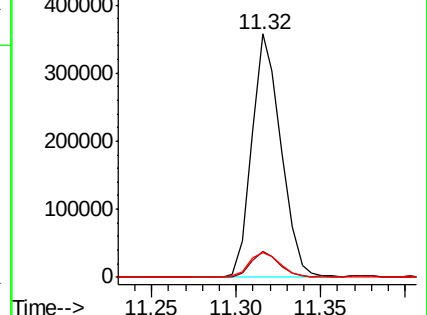
80 10.0 9.8 14.6



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: 3.020 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

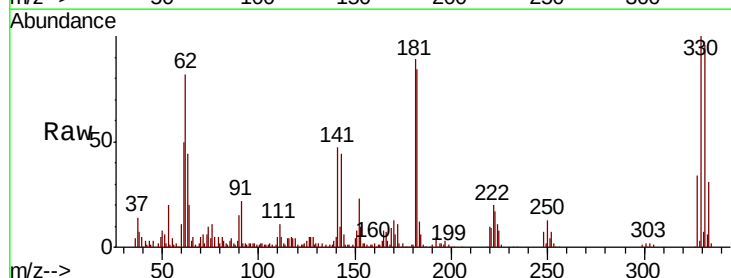
Tgt Ion:248 Resp: 13995

Ion Ratio Lower Upper

248 100

250 176.2 77.0 115.4#

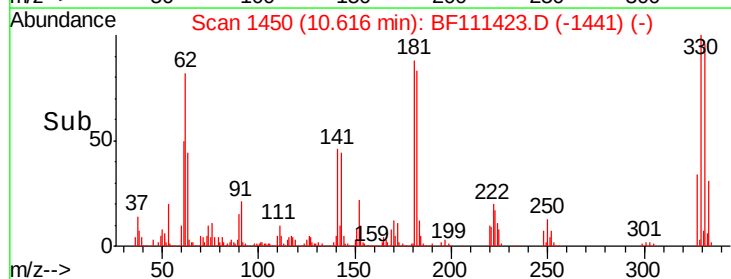
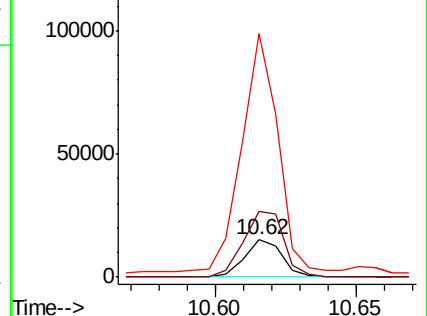
141 654.1 63.0 94.6#

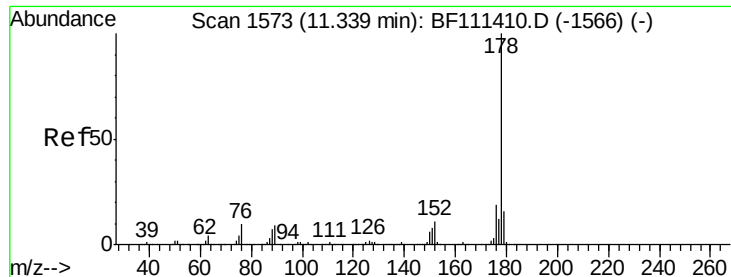


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

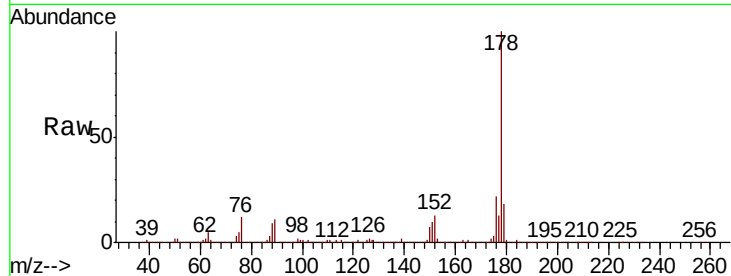




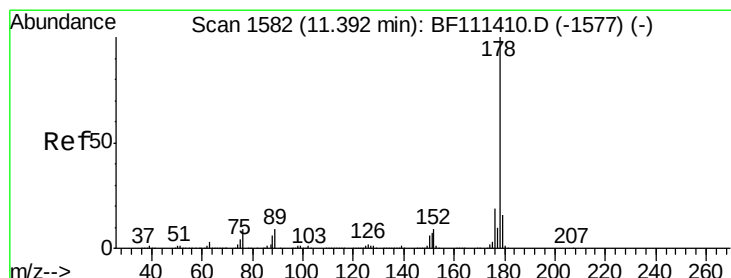
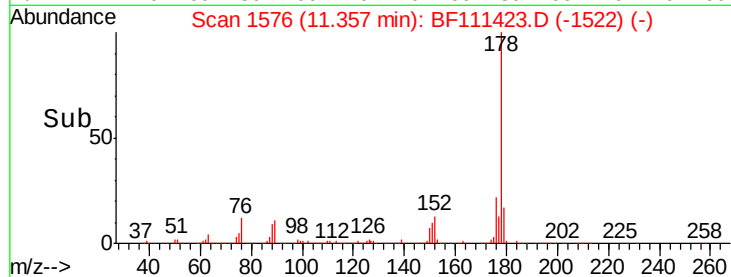
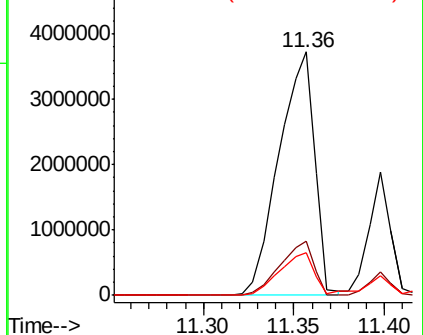
#71
Phenanthrene
Concen: 231.075 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.02 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 5119129
Ion Ratio Lower Upper
178 100
176 22.3 18.1 27.1
179 17.5 14.0 21.0

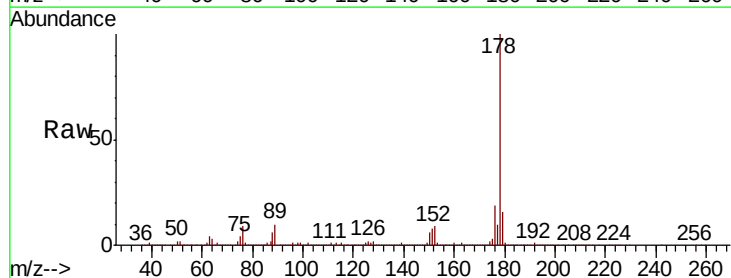


Abundance Ion 178.00 (177.70 to 178.70): E
5000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

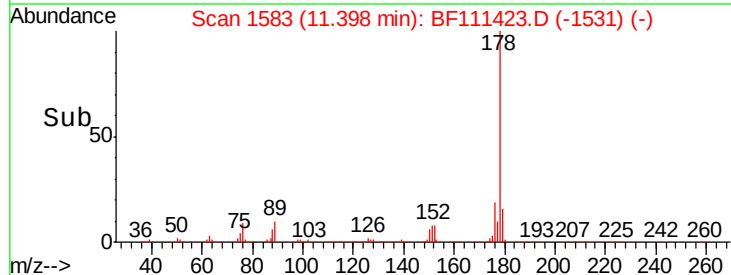
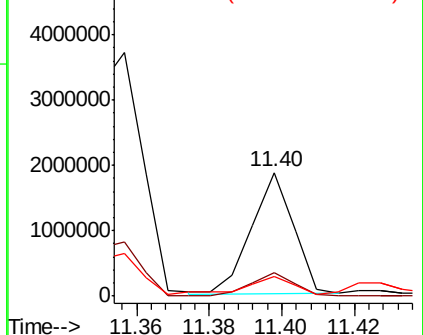


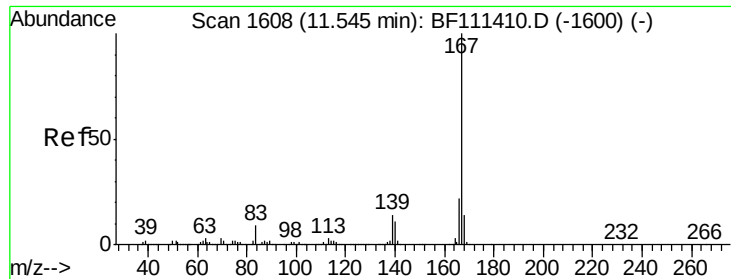
#72
Anthracene
Concen: 65.555 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion:178 Resp: 1485230
Ion Ratio Lower Upper
178 100
176 19.2 17.2 25.8
179 15.9 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E
5000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 25.967 ng

RT: 11.54 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

ClientSampleId :

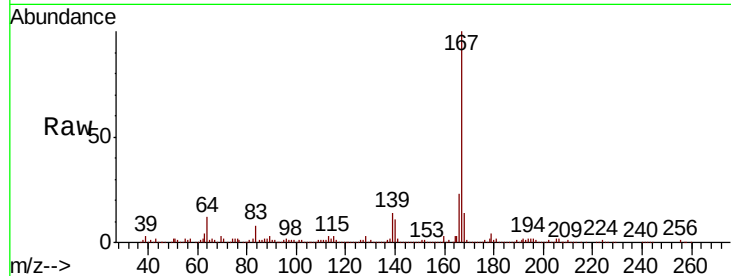
Tot Ion:167 Resp: 608362

Ion Ratio Lower Upper

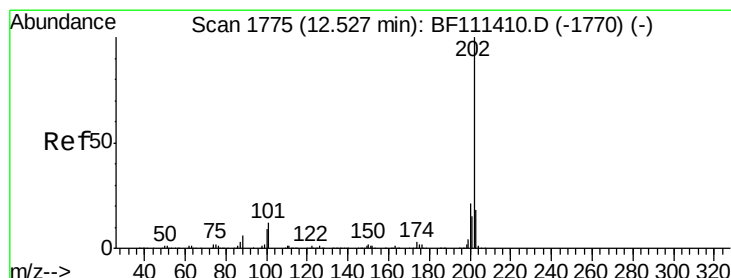
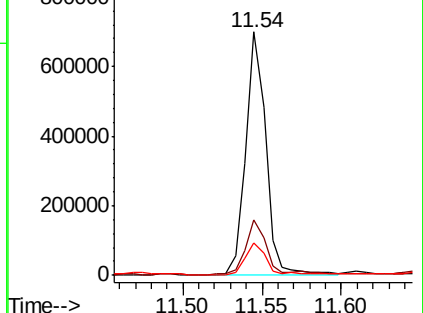
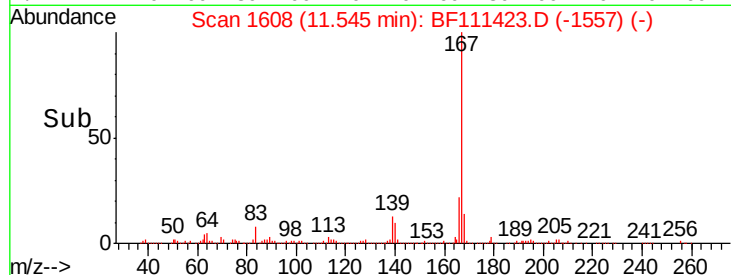
167 100

166 22.6 19.3 28.9

139 13.5 11.9 17.9



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 374.591 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.05 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

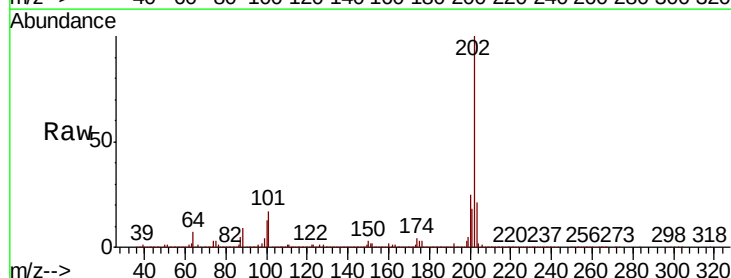
Tgt Ion:202 Resp: 8118405

Ion Ratio Lower Upper

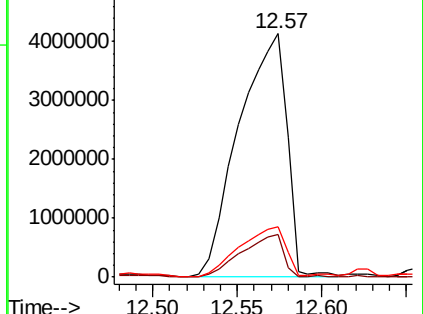
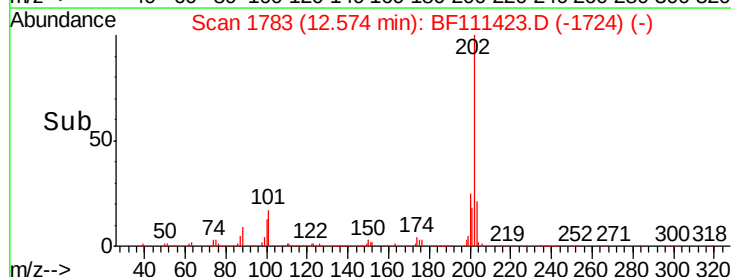
202 100

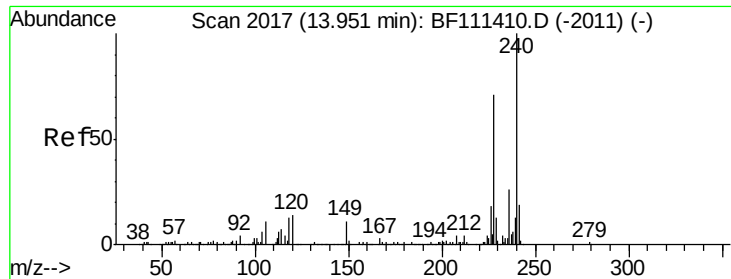
101 17.3 0.0 33.8

203 20.6 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: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

ClientSampleId :

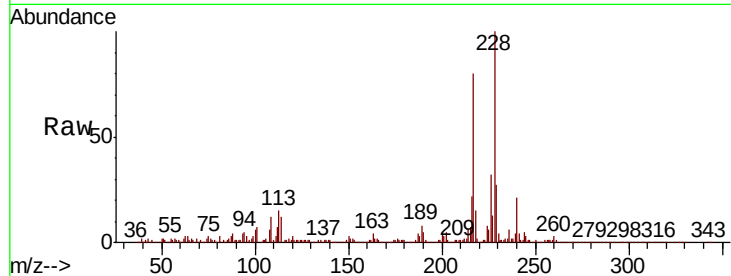
Tot Ion:240 Resp: 258638

Ion Ratio Lower Upper

240 100

120 13.0 12.2 18.2

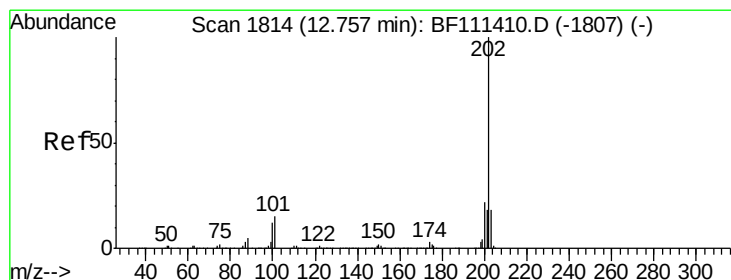
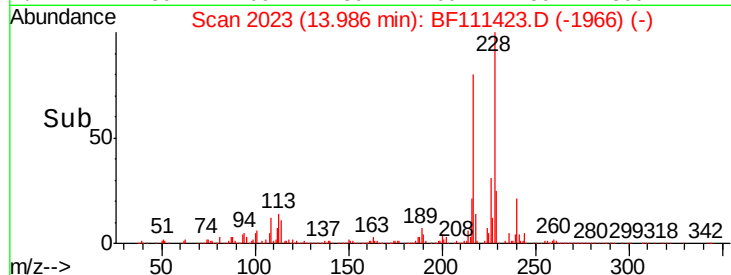
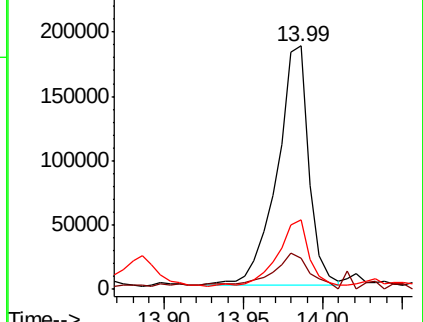
236 28.7 20.2 30.2



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: 403.645 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.05 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

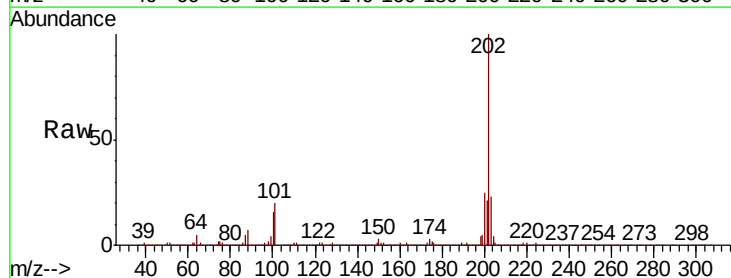
Tgt Ion:202 Resp: 7360410

Ion Ratio Lower Upper

202 100

200 25.2 19.0 28.4

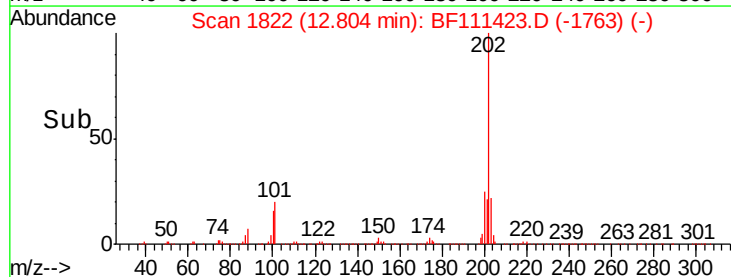
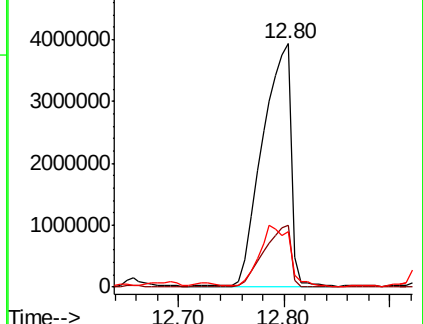
203 22.6 15.2 22.8

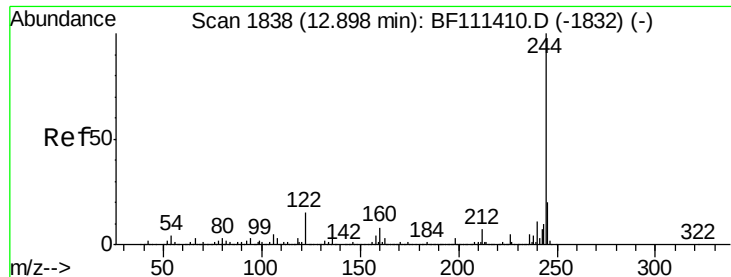


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 60.918 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

ClientSampleId :

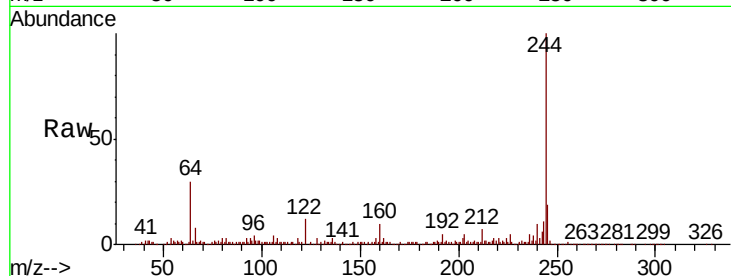
Tot Ion:244 Resp: 670960

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

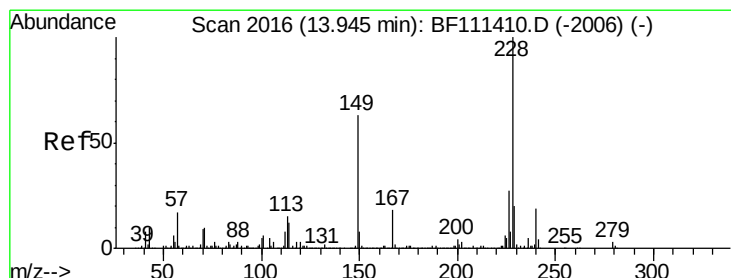
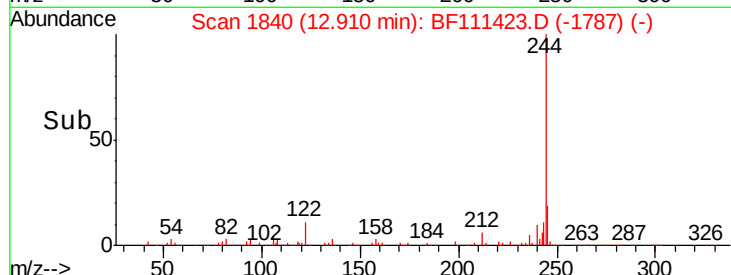
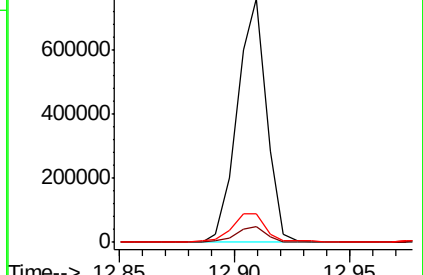
122 11.6 13.1 19.7#



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: 346.197 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.03 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

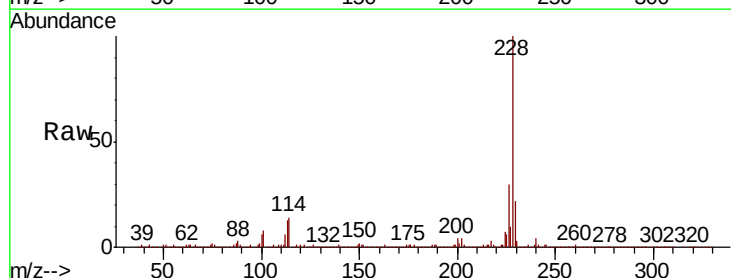
Tgt Ion:228 Resp: 4868629

Ion Ratio Lower Upper

228 100

226 29.5 22.6 34.0

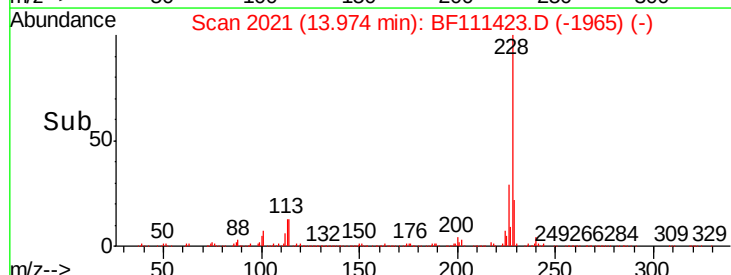
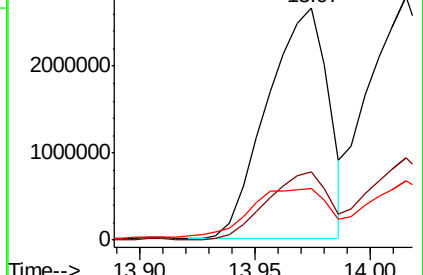
229 22.3 16.3 24.5

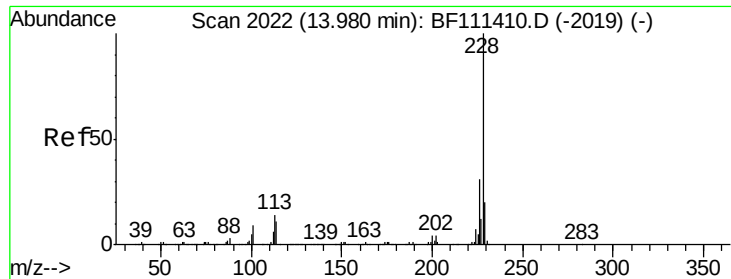


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

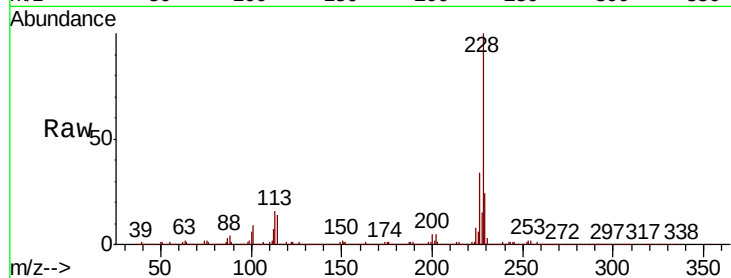




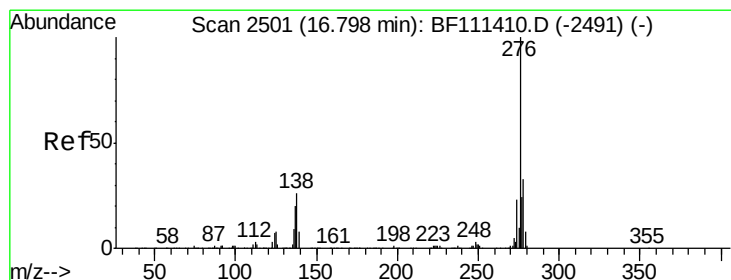
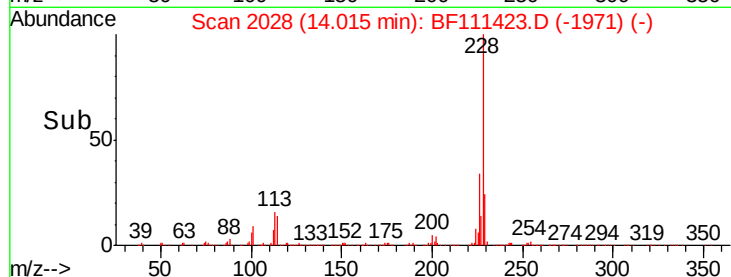
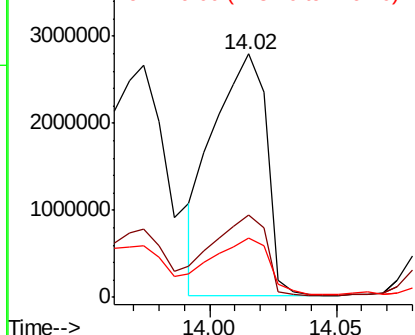
#83
Chrysene
Concen: 273.793 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.04 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 4056179
Ion Ratio Lower Upper
228 100
226 33.8 25.3 37.9
229 24.2 17.2 25.8

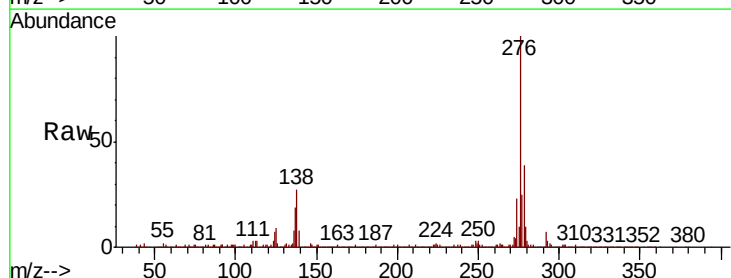


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

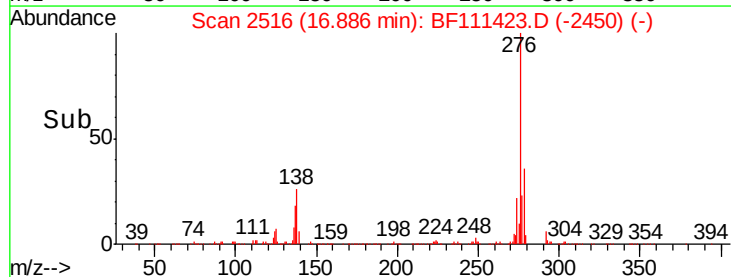
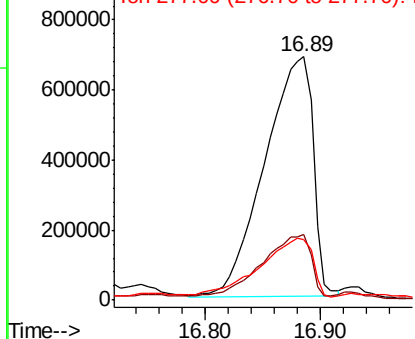


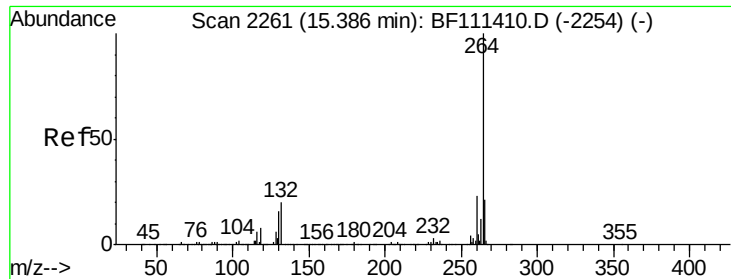
#86
Indeno(1,2,3-cd)pyrene
Concen: 186.073 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.09 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion:276 Resp: 1989537
Ion Ratio Lower Upper
276 100
138 25.5 27.8 41.6#
277 26.9 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

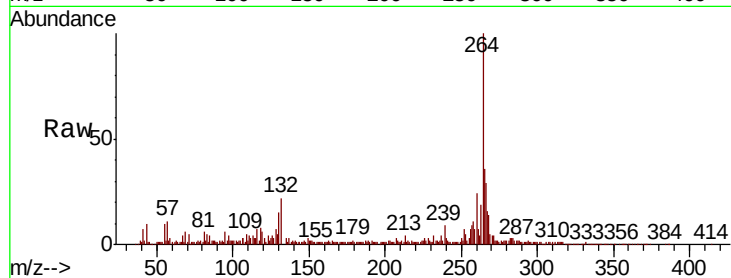




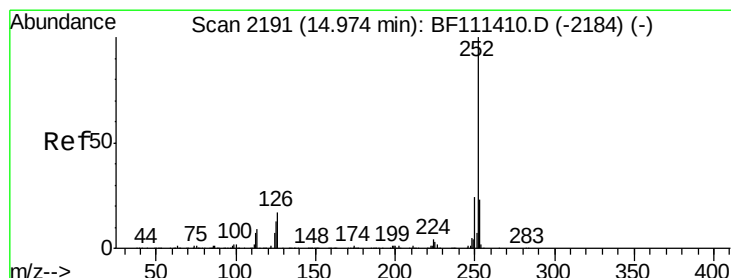
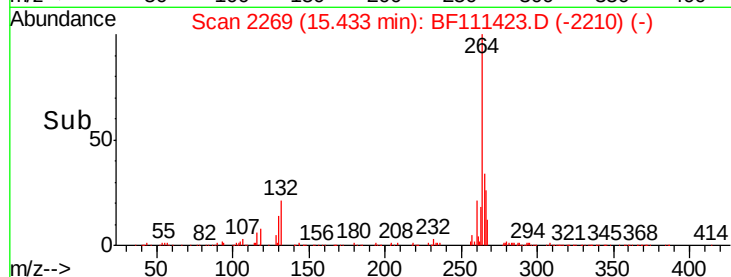
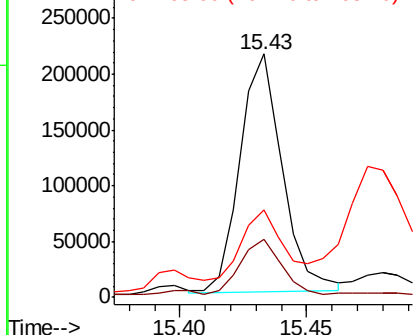
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.05 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 248197
Ion Ratio Lower Upper
264 100
260 24.0 18.3 27.5
265 35.8 17.7 26.5#

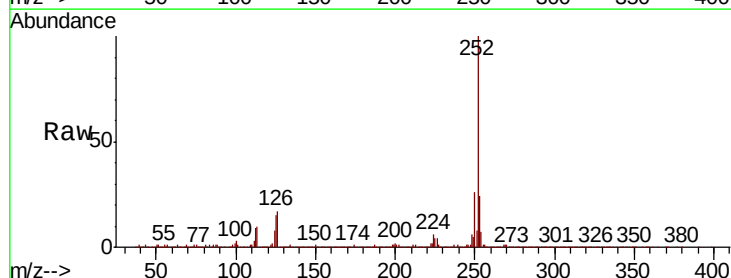


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

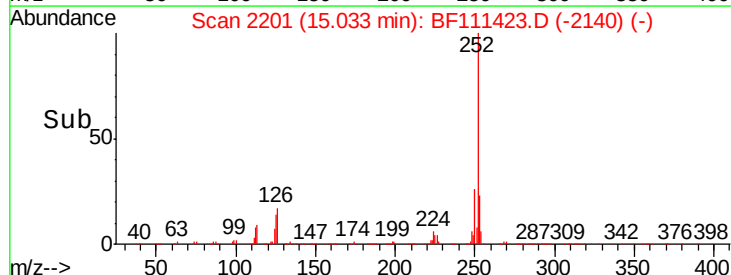
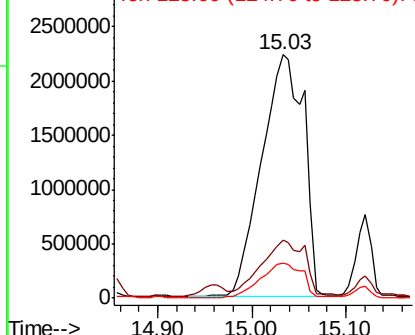


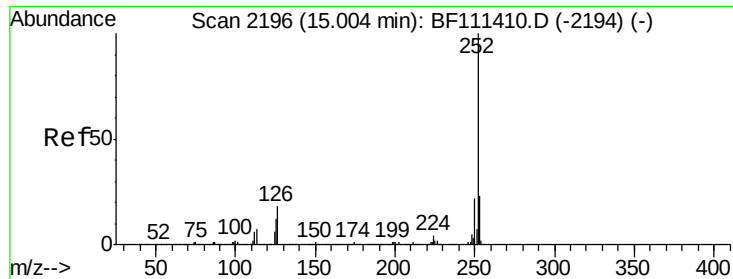
#88
Benzo(b)fluoranthene
Concen: 479.870 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.06 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion:252 Resp: 6943829
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 14.5 10.4 15.6



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

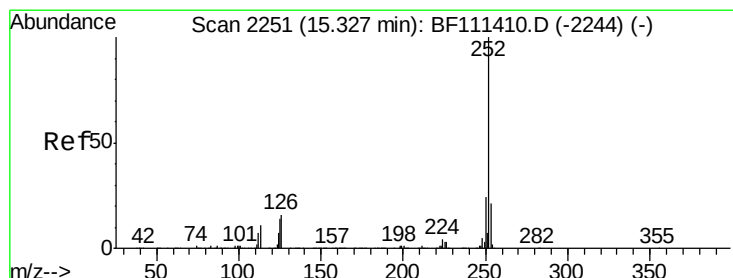
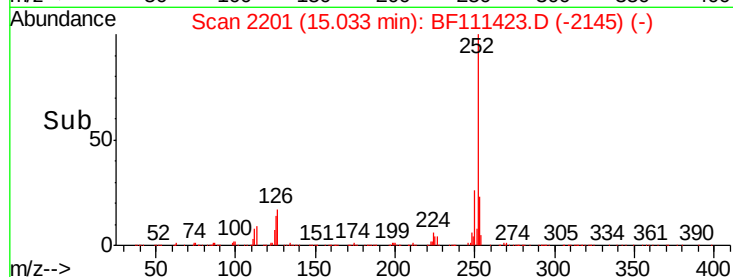
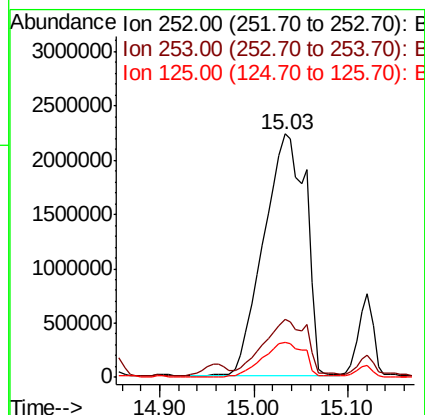
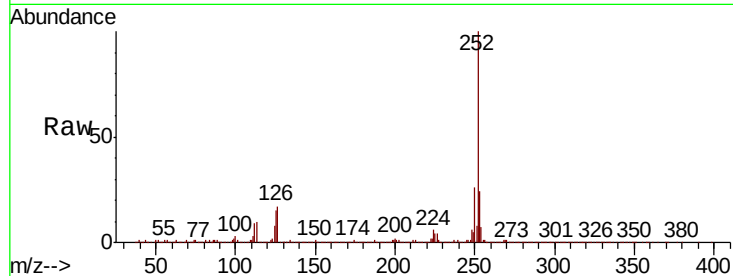




#89
Benzo(k)fluoranthene
Concen: 502.210 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.03 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

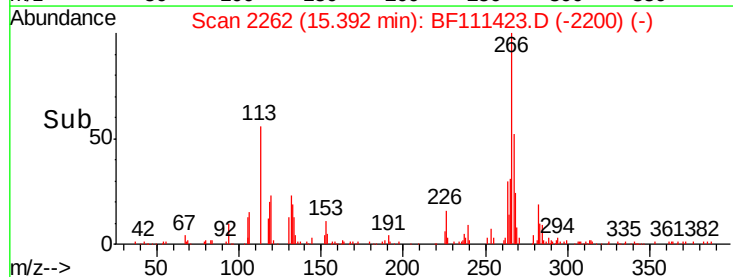
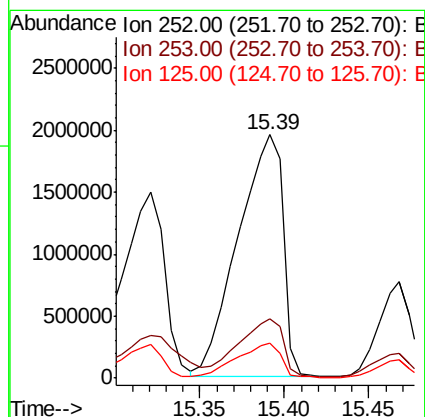
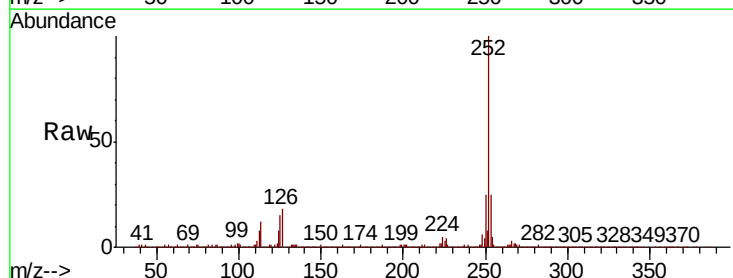
Instrument :
BNA_F
ClientSampleId :

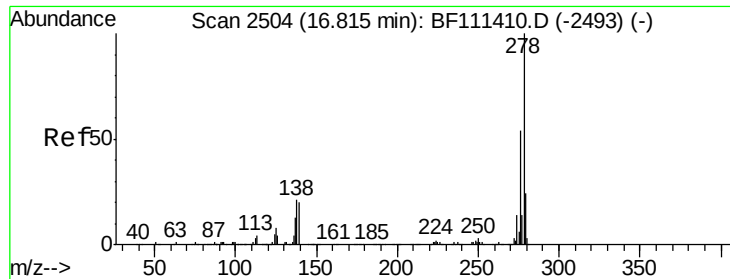
Tot Ion:252 Resp: 6943829
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 14.5 9.8 14.8



#90
Benzo(a)pyrene
Concen: 277.800 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.06 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion:252 Resp: 3624941
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 14.5 12.3 18.5





#91

Dibenzo(a,h)anthracene

Concen: 64.920 ng

RT: 16.89 min Scan# 2516

Delta R.T. 0.07 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

ClientSampleId :

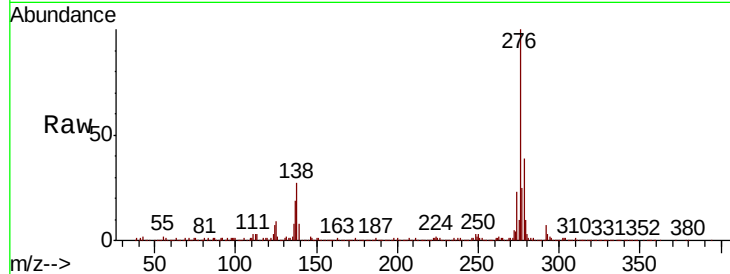
Tot Ion:278 Resp: 668233

Ion Ratio Lower Upper

278 100

139 20.2 18.2 27.4

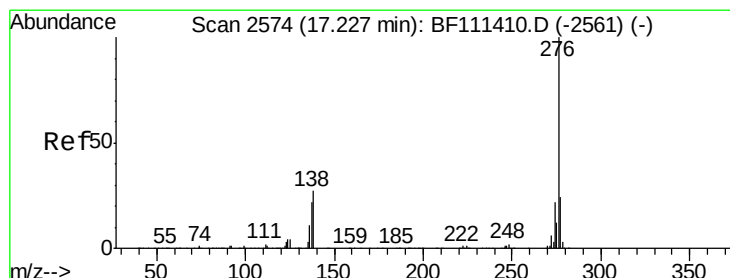
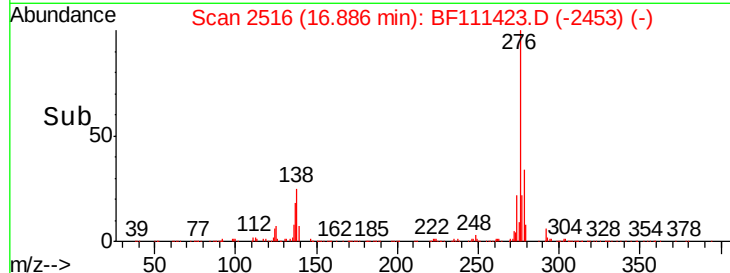
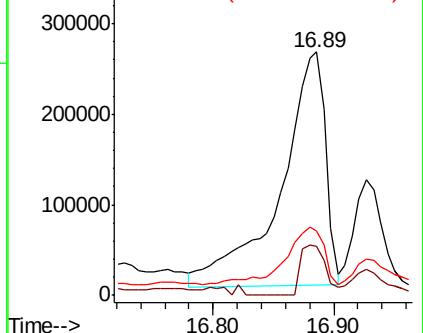
279 26.6 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 183.432 ng

RT: 17.32 min Scan# 2590

Delta R.T. 0.09 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

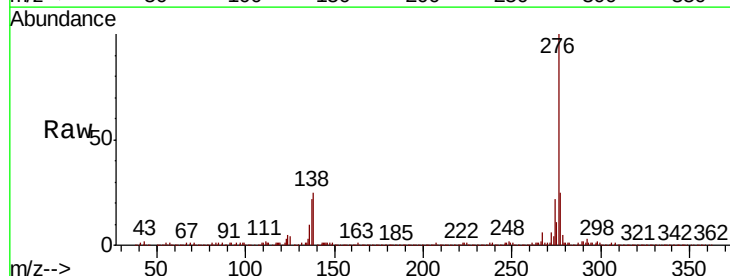
Tgt Ion:276 Resp: 1853344

Ion Ratio Lower Upper

276 100

277 24.6 19.2 28.8

138 25.2 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

