

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111618\
 Data File : BF110822.D
 Acq On : 16 Nov 2018 17:46
 Operator : JU/SJ
 Sample : J5952-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VTW-03(4-6)

Quant Time: Nov 16 23:26:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	59921	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	253880	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	114466	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	179721	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	142792	20.00	ng	-0.01
87) Perylene-d12	15.66	264	112212	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	78052	21.16	ng	0.00
7) Phenol-d6	6.56	99	101025	21.42	ng	-0.01
23) Nitrobenzene-d5	7.50	82	62930	14.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	19177	16.63	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	100391	12.53	ng	-0.01
79) Terphenyl-d14	13.06	244	67007	8.79	ng	-0.01

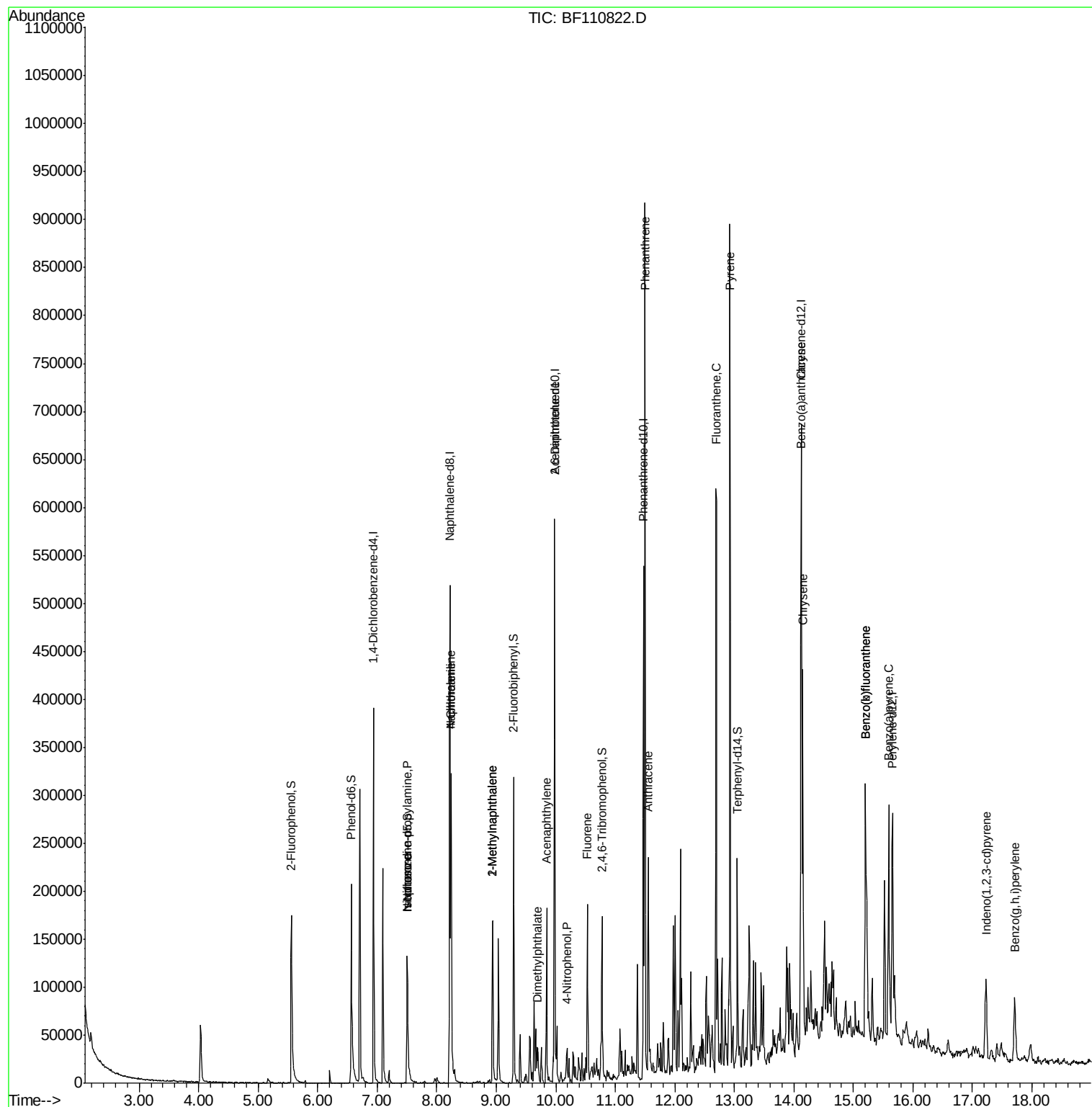
Target Compounds				Qvalue		
9) Benzaldehyde	6.71	77	1877	Below Cal	#	69
19) n-Nitroso-di-n-propylamine	7.50	70	8160	2.710 ng	#	76
25) Isophorone	7.50	82	62930	8.709 ng	#	67
31) Naphthalene	8.25	128	165673	13.901 ng		100
33) 4-Chloroaniline	8.25	127	21251	3.936 ng	#	36
37) 2-Methylnaphthalene	8.94	142	61488	7.870 ng		99
38) 1-Methylnaphthalene	8.94	142	61488	8.183 ng		96
49) Acenaphthylene	9.85	152	79827	7.205 ng		99
50) Dimethylphthalate	9.69	163	17615	2.062 ng		96
51) 2,6-Dinitrotoluene	9.98	165	16718	8.898 ng	#	22
56) 4-Nitrophenol	10.19	139	5867	4.063 ng	#	6
58) Fluorene	10.53	166	55463	7.049 ng		100
71) Phenanthrene	11.50	178	350163	36.367 ng		99
72) Anthracene	11.55	178	95457	9.828 ng		99
75) Fluoranthene	12.70	202	253769	26.288 ng		97
78) Pyrene	12.93	202	315968	28.738 ng		98
81) Benzo(a)anthracene	14.12	228	156632	18.352 ng		98
83) Chrysene	14.16	228	153344	18.859 ng		98
86) Indeno(1,2,3-cd)pyrene	17.23	276	54038	9.261 ng		97
88) Benzo(b)fluoranthene	15.20	252	196546	29.279 ng		98
89) Benzo(k)fluoranthene	15.20	252	196546	29.631 ng	#	97
90) Benzo(a)pyrene	15.59	252	112765	18.489 ng		99
92) Benzo(g,h,i)perylene	17.71	276	54875	10.716 ng	#	95

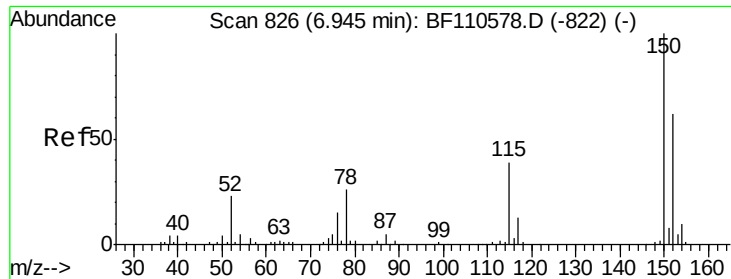
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111618\
Data File : BF110822.D
Acq On : 16 Nov 2018 17:46
Operator : JU/SJ
Sample : J5952-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VTW-03(4-6)

Quant Time: Nov 16 23:26:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration



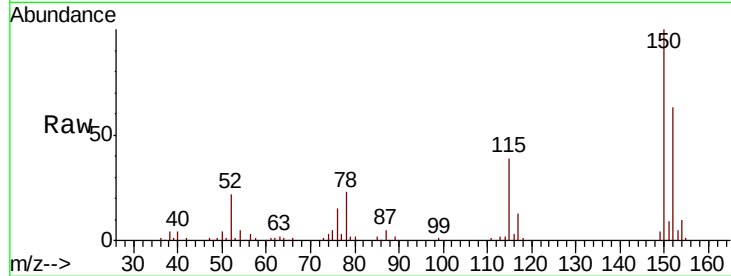


#1

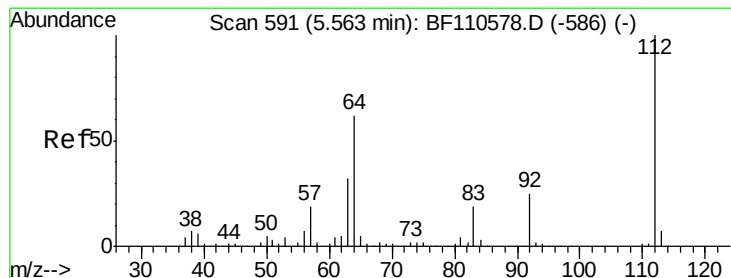
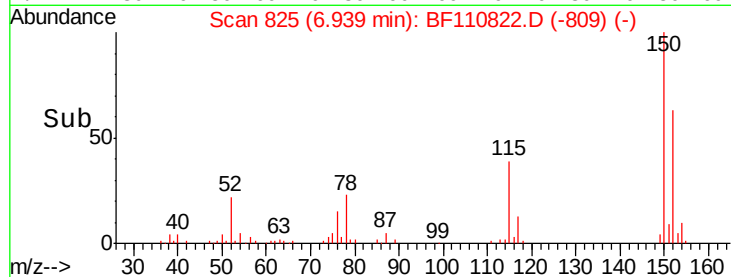
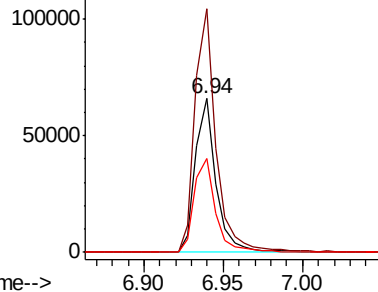
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110822.D
Acq: 16 Nov 2018 17:46

Instrument :
BNA_F
ClientSampleId :
VTW-03(4-6)

Tgt Ion:152 Resp: 59921
Ion Ratio Lower Upper
152 100
150 158.2 122.7 184.1
115 61.1 49.1 73.7



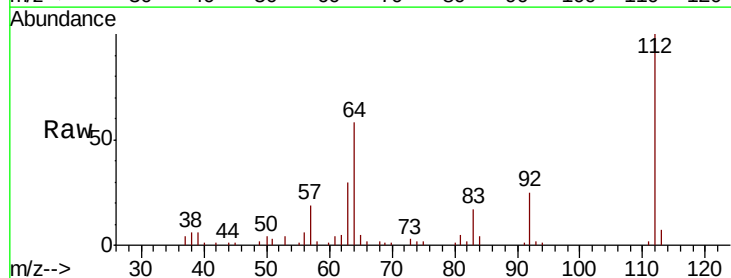
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



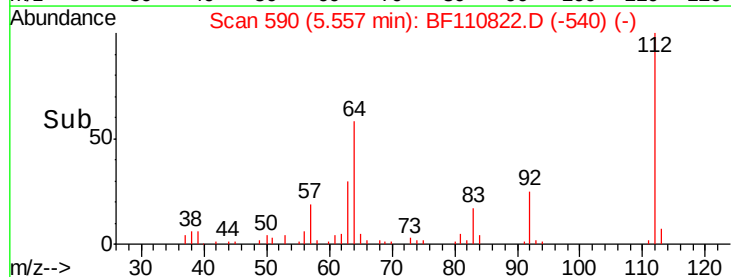
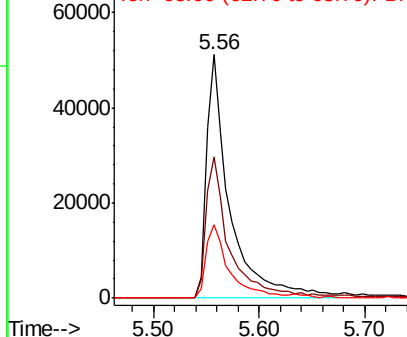
#5

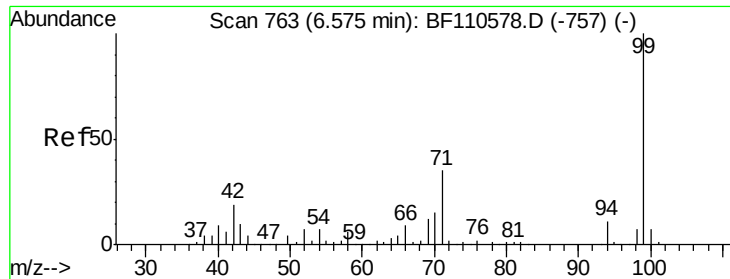
2-Fluorophenol
Concen: 21.158 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110822.D
Acq: 16 Nov 2018 17:46

Tgt Ion:112 Resp: 78052
Ion Ratio Lower Upper
112 100
64 58.2 44.1 66.1
63 30.4 23.7 35.5



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: 21.416 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

Instrument :

BNA_F

ClientSampleId :

VTW-03(4-6)

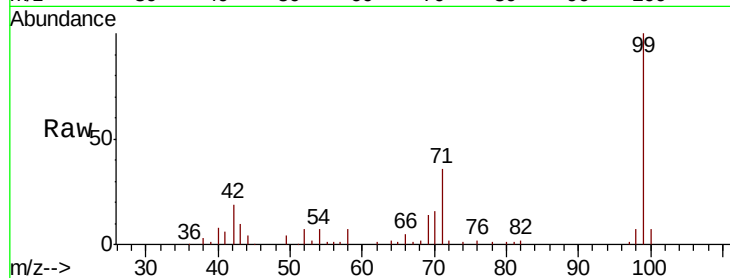
Tgt Ion: 99 Resp: 101025

Ion Ratio Lower Upper

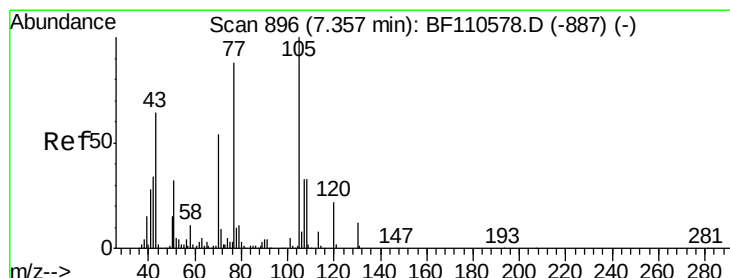
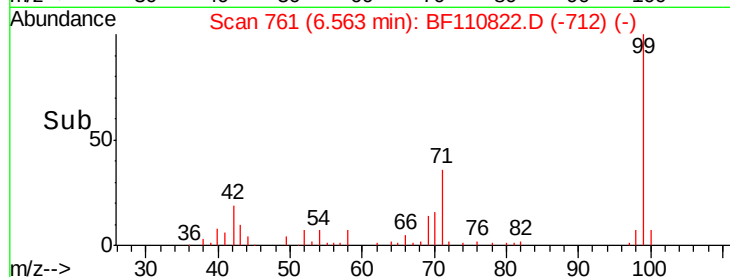
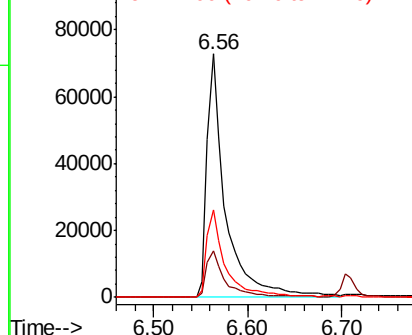
99 100

42 19.3 15.8 23.6

71 35.8 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.710 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.15 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

Tgt Ion: 70 Resp: 8160

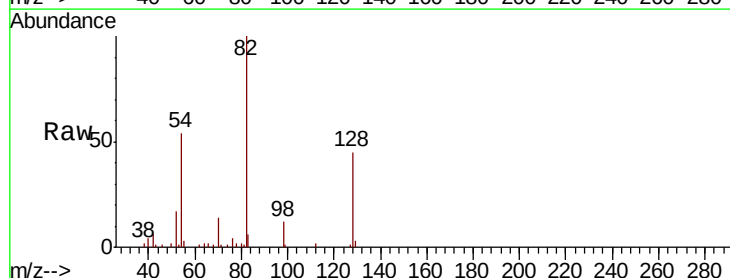
Ion Ratio Lower Upper

70 100

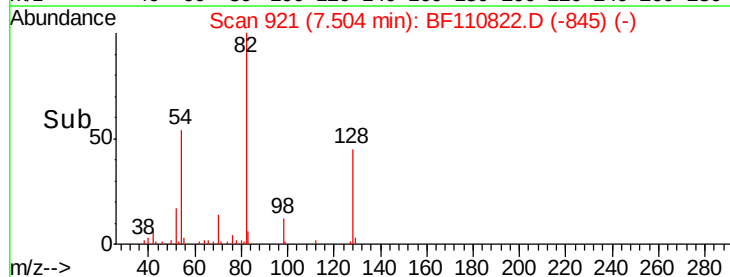
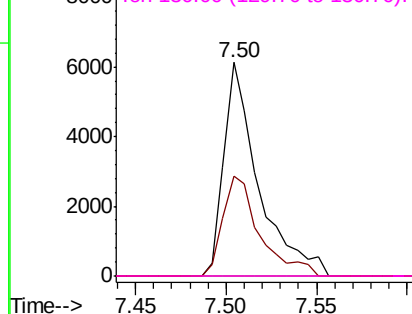
42 46.9 47.4 71.2#

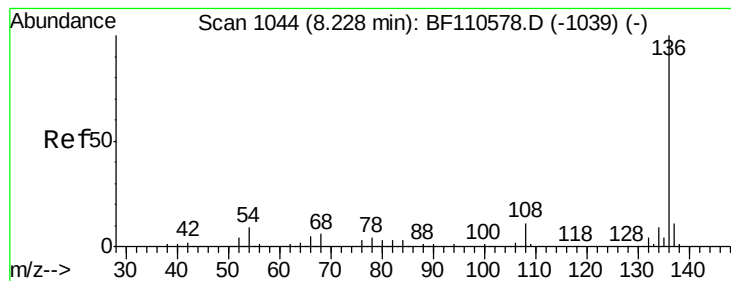
101 0.0 7.3 10.9#

130 0.0 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

Instrument :

BNA_F

ClientSampleId :

VTW-03(4-6)

Tgt Ion: 136 Resp: 253880

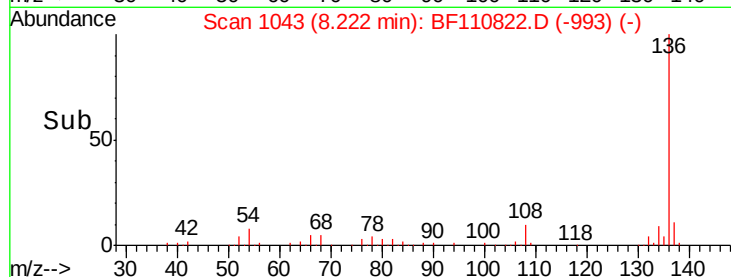
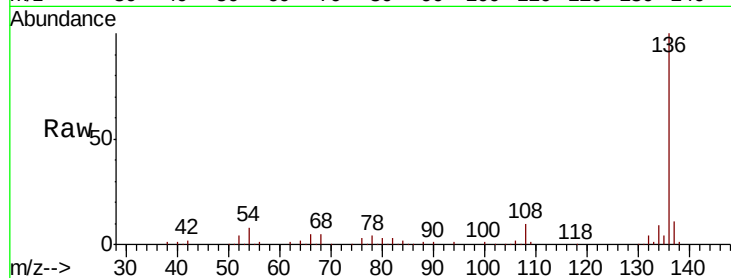
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.7 5.4 8.2

68 4.7 4.2 6.2

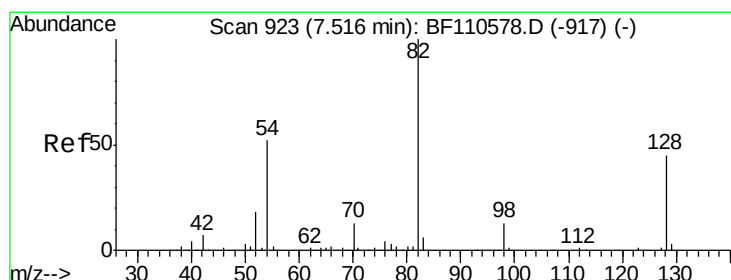
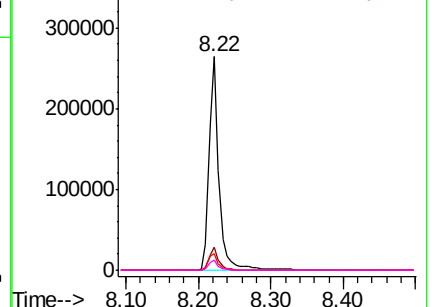


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 14.275 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

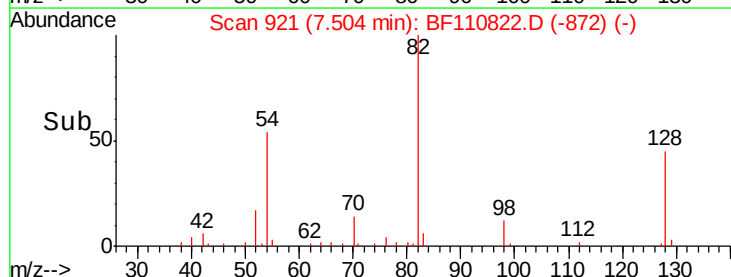
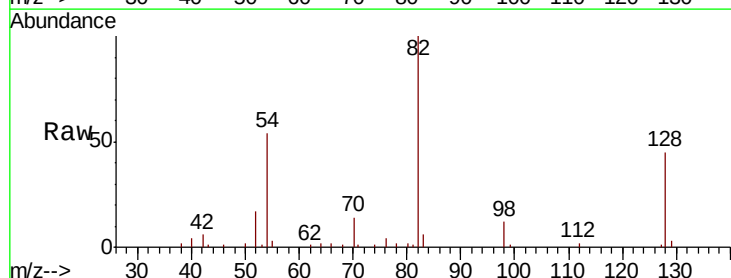
Tgt Ion: 82 Resp: 62930

Ion Ratio Lower Upper

82 100

128 44.7 34.2 51.2

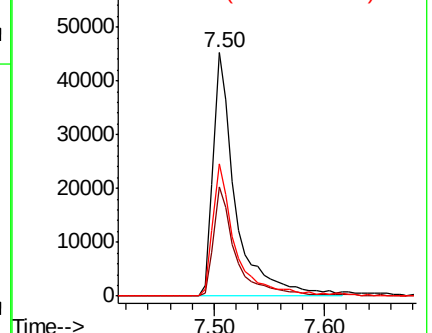
54 54.3 38.6 58.0

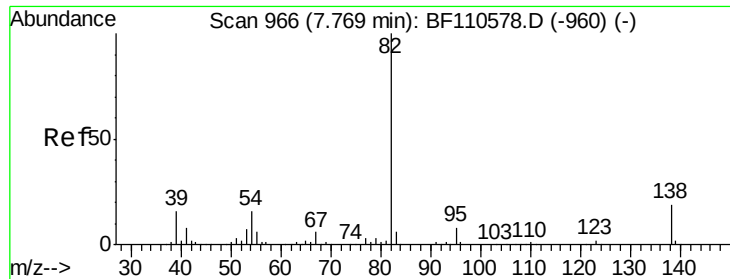


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.709 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

Instrument :

BNA_F

ClientSampleId :

VTW-03(4-6)

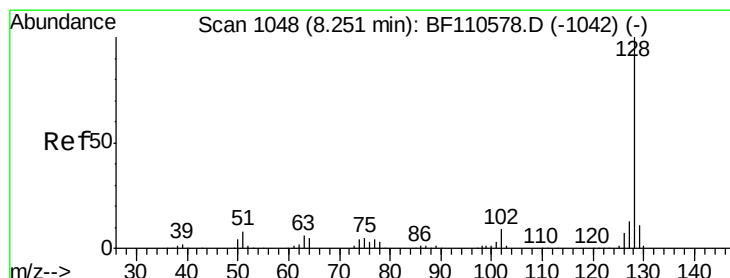
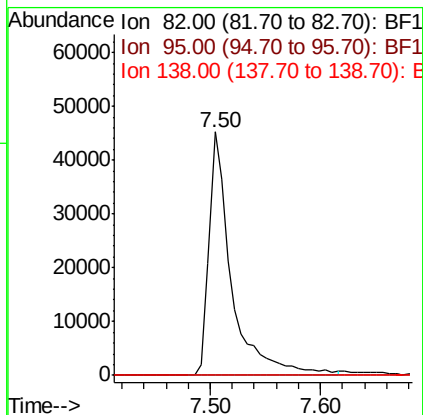
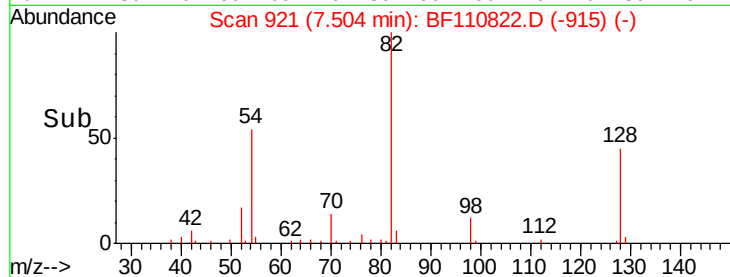
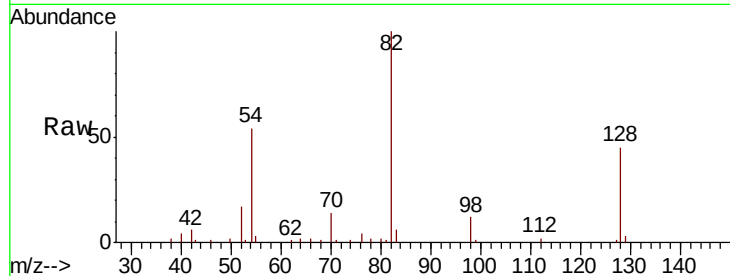
Tgt Ion: 82 Resp: 62930

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



#31

Naphthalene

Concen: 13.901 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

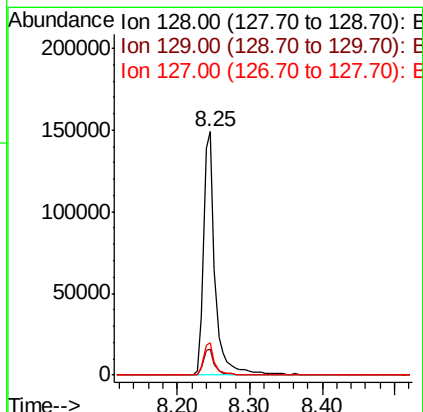
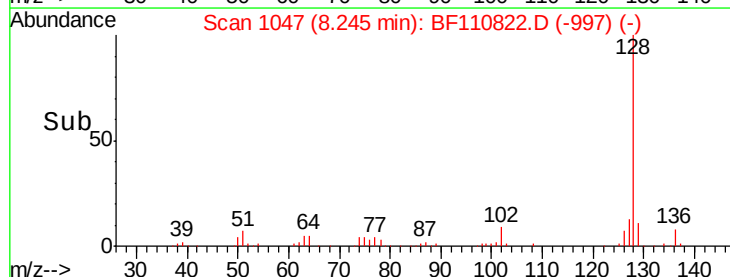
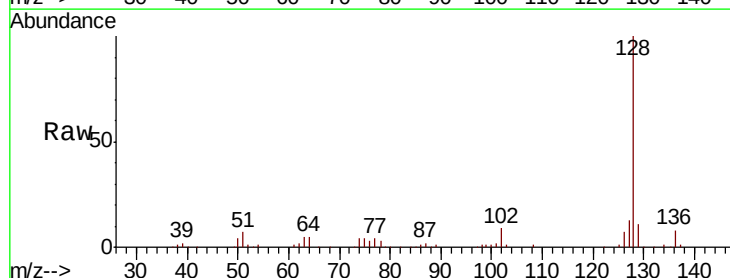
Tgt Ion: 128 Resp: 165673

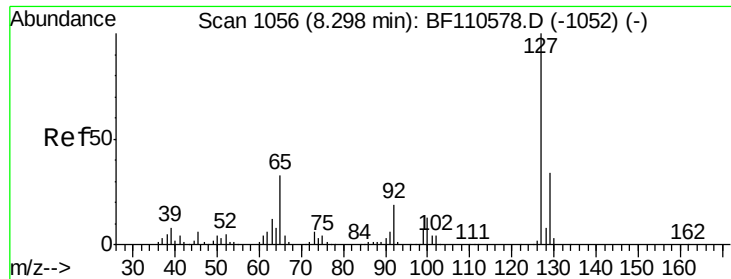
Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 13.4 10.8 16.2

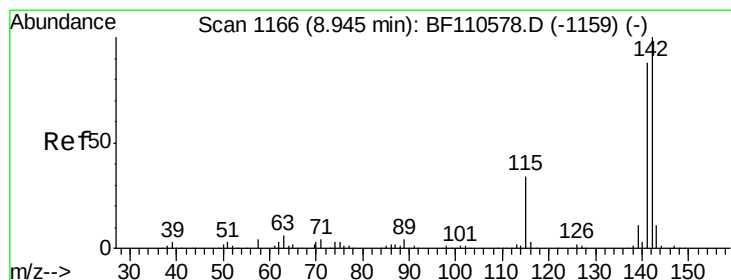
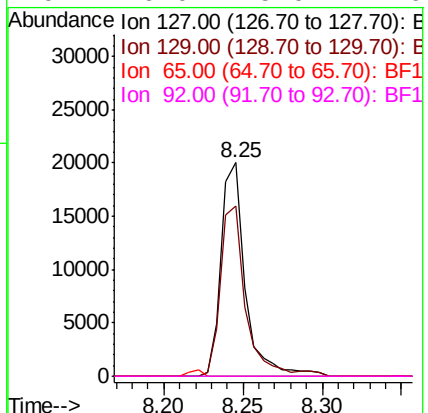
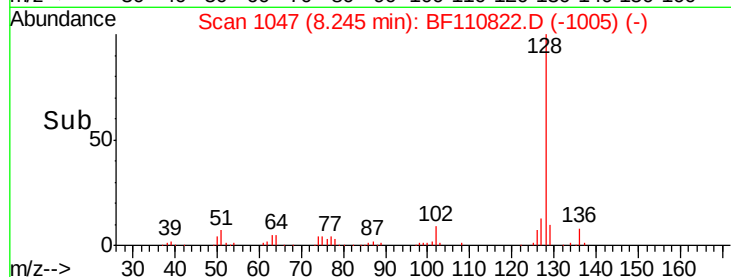
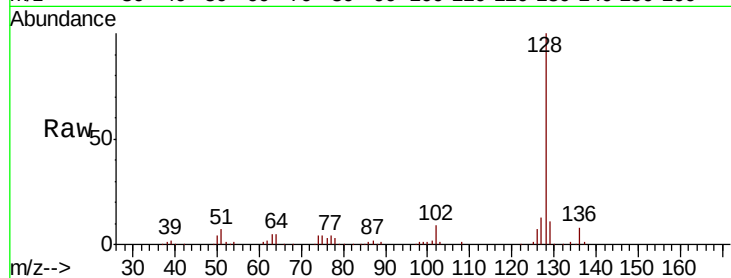




#33
 4-Chloroaniline
 Concen: 3.936 ng
 RT: 8.25 min Scan# 1047
 Delta R.T. -0.05 min
 Lab File: BF110822.D
 Acq: 16 Nov 2018 17:46

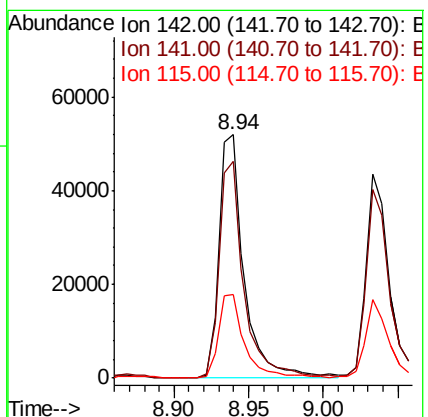
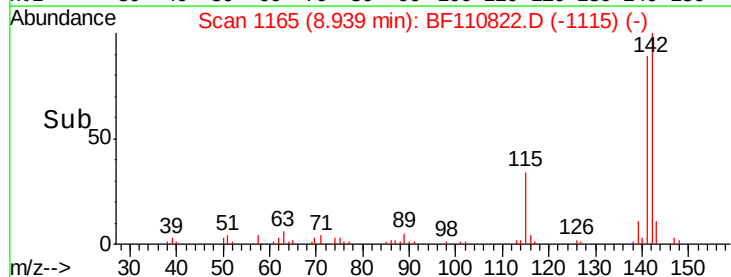
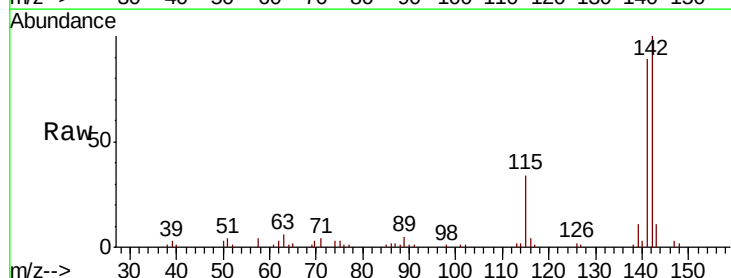
Instrument :
 BNA_F
 ClientSampleId :
 VTW-03(4-6)

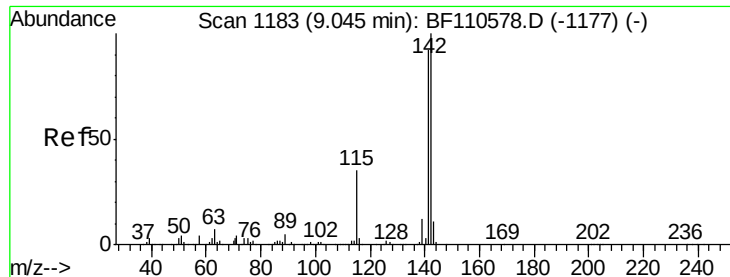
Tgt Ion:	127	Resp:	21251
Ion	Ratio	Lower	Upper
127	100		
129	79.6	26.0	39.0#
65	0.0	25.1	37.7#
92	0.0	15.0	22.6#



#37
 2-Methylnaphthalene
 Concen: 7.870 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF110822.D
 Acq: 16 Nov 2018 17:46

Tgt Ion:	142	Resp:	61488
Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.4	107.2
115	34.2	28.7	43.1

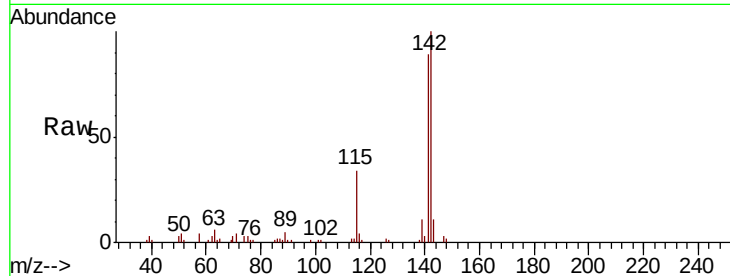




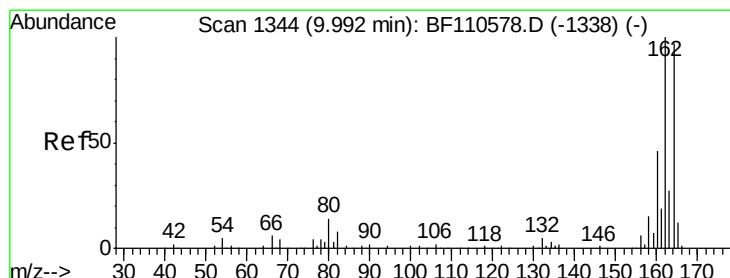
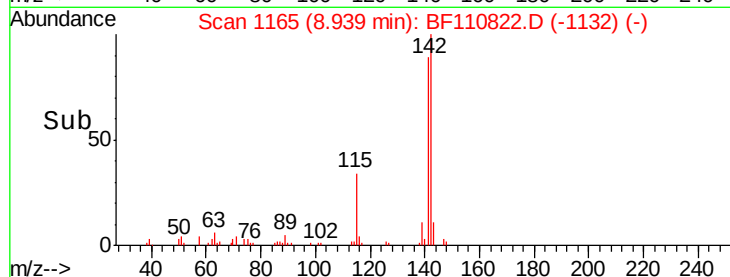
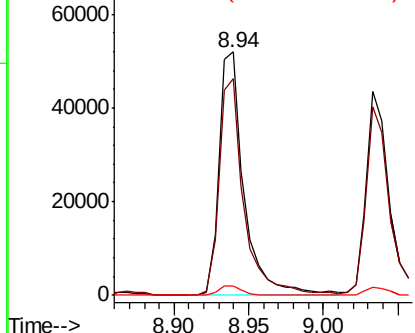
#38
 1-Methylnaphthalene
 Concen: 8.183 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.11 min
 Lab File: BF110822.D
 Acq: 16 Nov 2018 17:46

Instrument :
 BNA_F
 ClientSampleId :
 VTW-03(4-6)

Tgt Ion:142 Resp: 61488
 Ion Ratio Lower Upper
 142 100
 141 88.8 74.2 111.4
 116 3.8 2.6 4.0

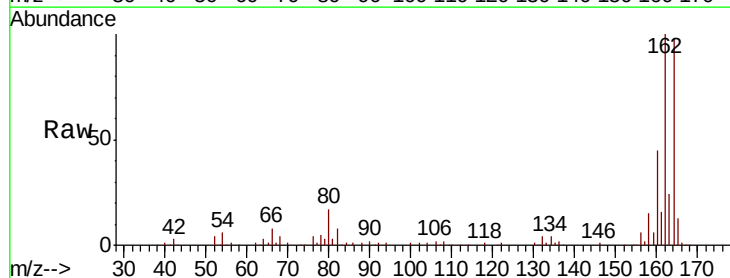


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

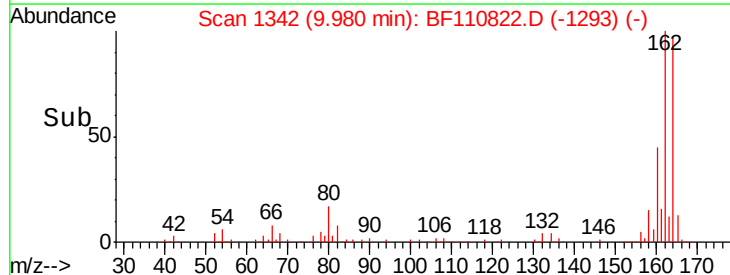
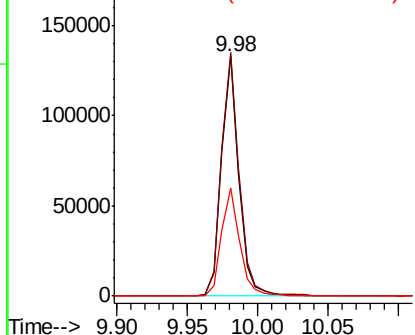


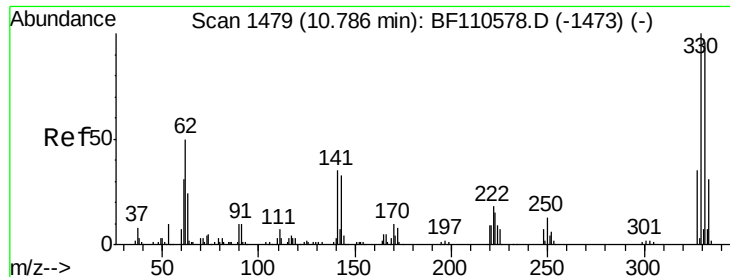
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BF110822.D
 Acq: 16 Nov 2018 17:46

Tgt Ion:164 Resp: 114466
 Ion Ratio Lower Upper
 164 100
 162 101.7 83.0 124.6
 160 45.3 37.0 55.6



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: 16.627 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

Instrument :

BNA_F

ClientSampleId :

VTW-03(4-6)

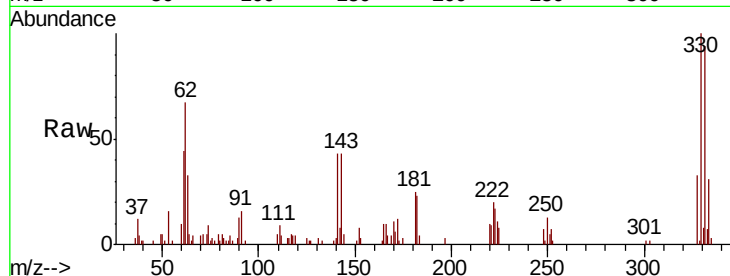
Tgt Ion:330 Resp: 19177

Ion Ratio Lower Upper

330 100

332 98.6 77.1 115.7

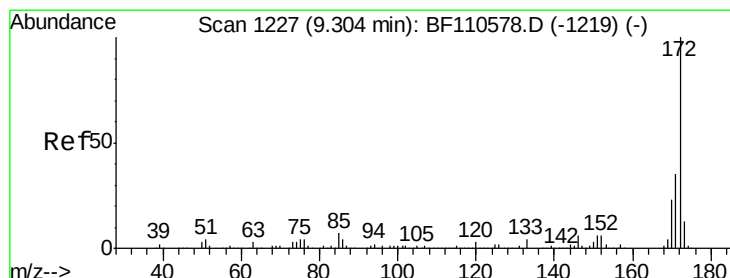
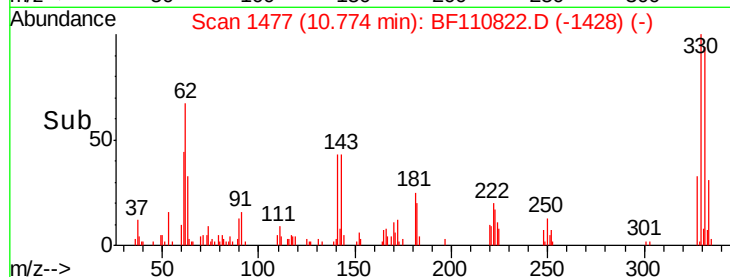
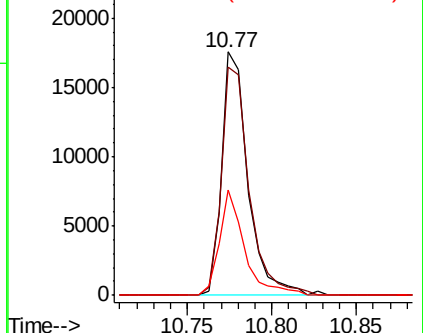
141 41.0 27.0 40.4#



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: 12.526 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.01 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

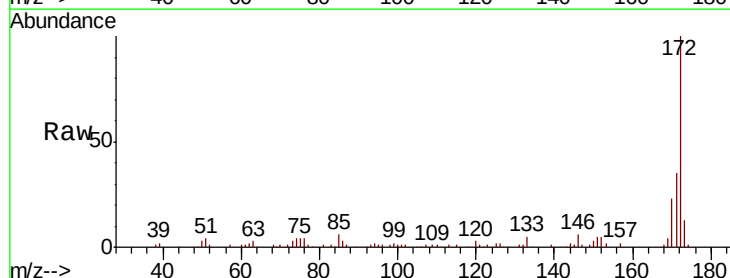
Tgt Ion:172 Resp: 100391

Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

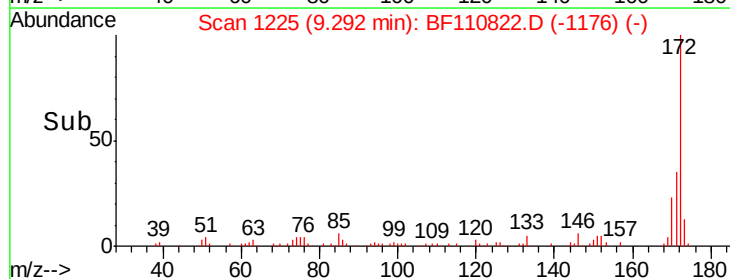
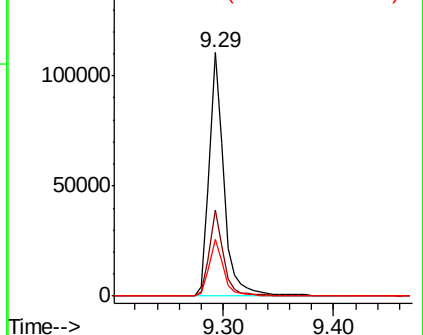
170 23.2 19.7 29.5

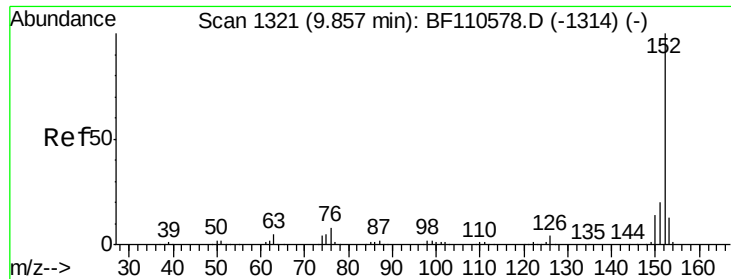


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 7.205 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

Instrument :

BNA_F

ClientSampleId :

VTW-03(4-6)

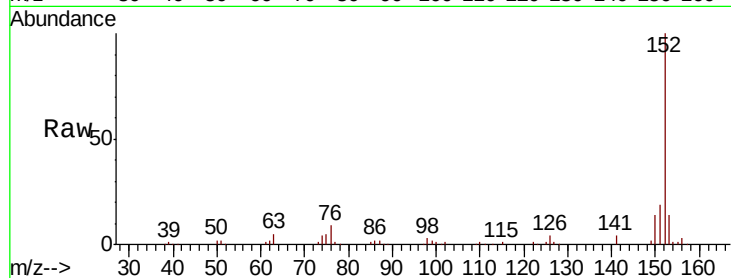
Tgt Ion:152 Resp: 79827

Ion Ratio Lower Upper

152 100

151 19.4 15.8 23.8

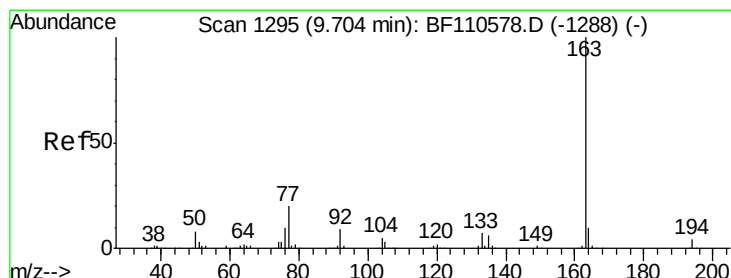
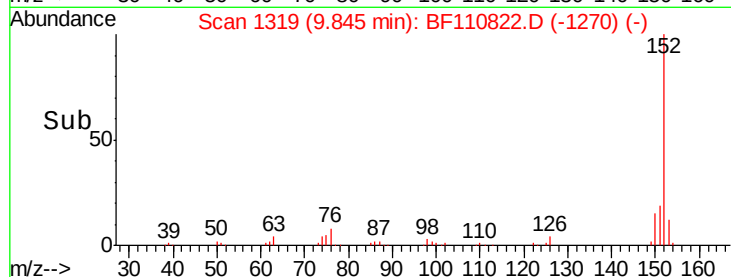
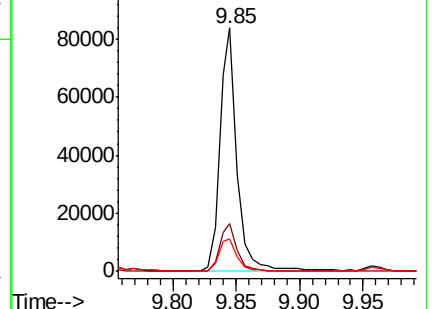
153 13.6 10.4 15.6



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: 2.062 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

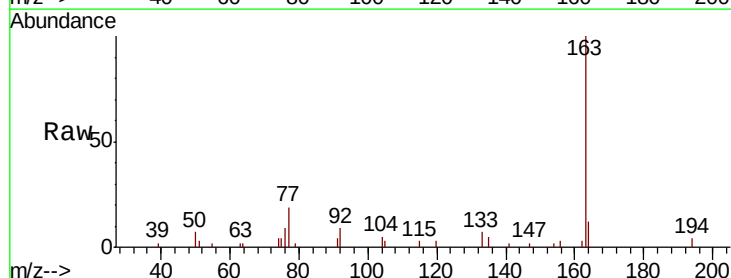
Tgt Ion:163 Resp: 17615

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

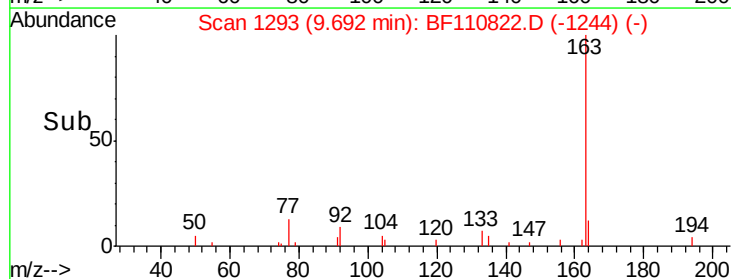
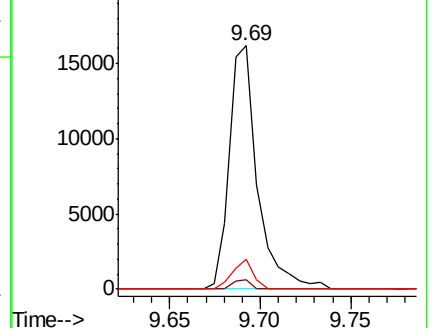
164 12.0 8.1 12.1

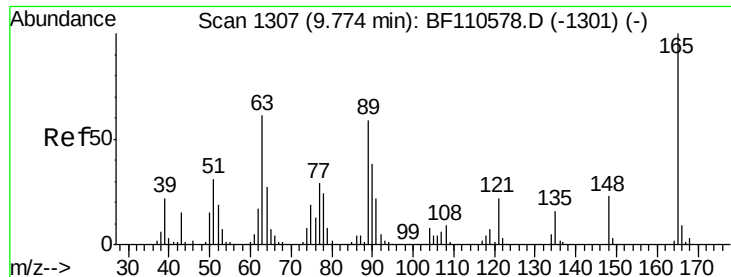


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

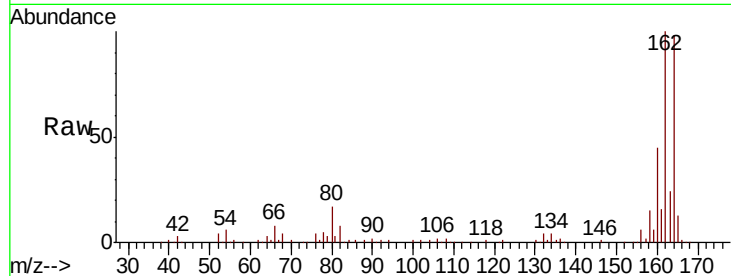




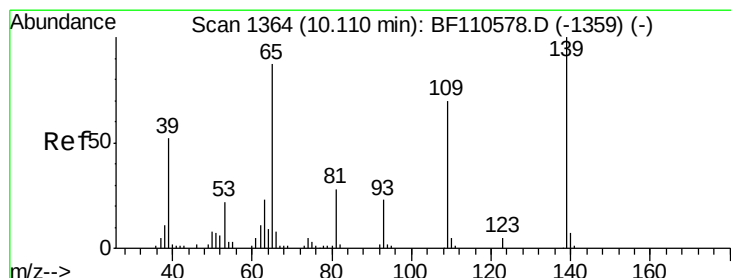
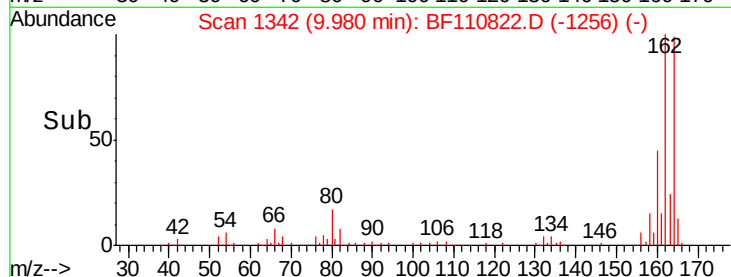
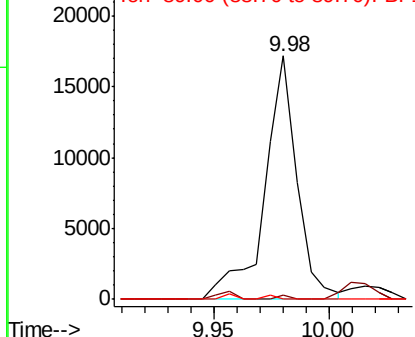
#51
 2,6-Dinitrotoluene
 Concen: 8.898 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110822.D
 Acq: 16 Nov 2018 17:46

Instrument :
 BNA_F
 ClientSampleId :
 VTW-03(4-6)

Tgt Ion:165 Resp: 16718
 Ion Ratio Lower Upper
 165 100
 63 2.0 48.9 73.3#
 89 0.0 46.6 69.8#

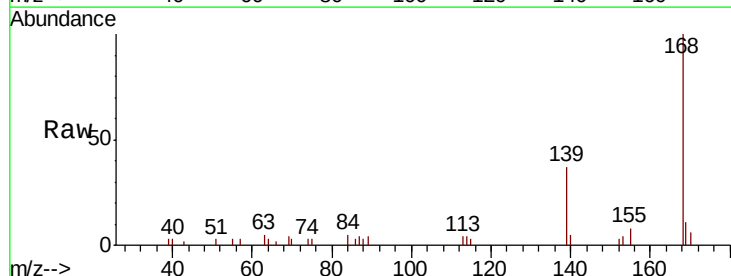


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

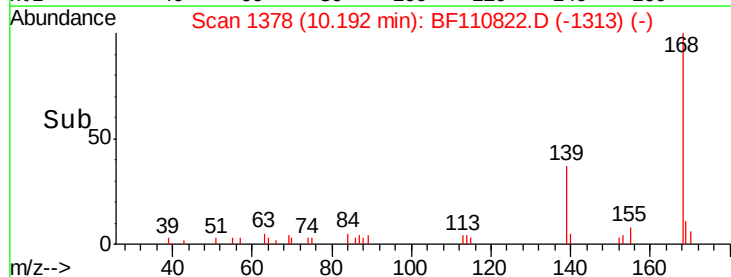
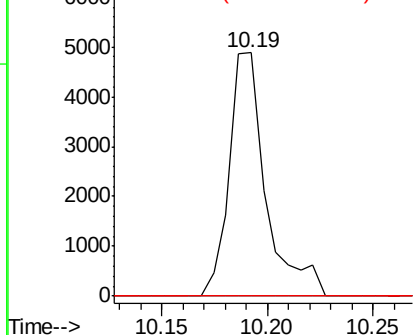


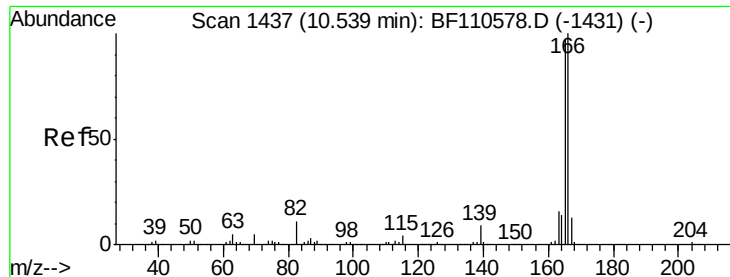
#56
 4-Nitrophenol
 Concen: 4.063 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. 0.08 min
 Lab File: BF110822.D
 Acq: 16 Nov 2018 17:46

Tgt Ion:139 Resp: 5867
 Ion Ratio Lower Upper
 139 100
 109 0.0 55.8 95.8#
 65 0.0 77.9 117.9#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

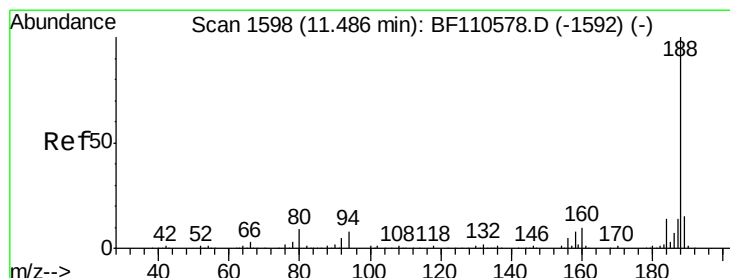
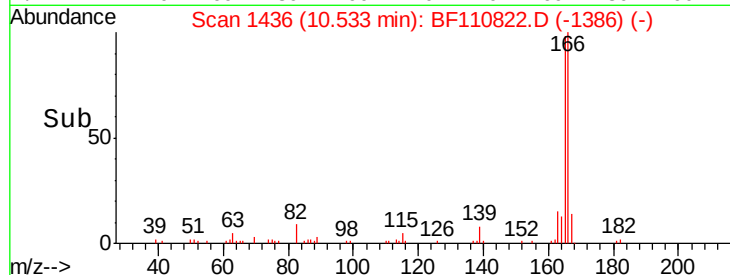
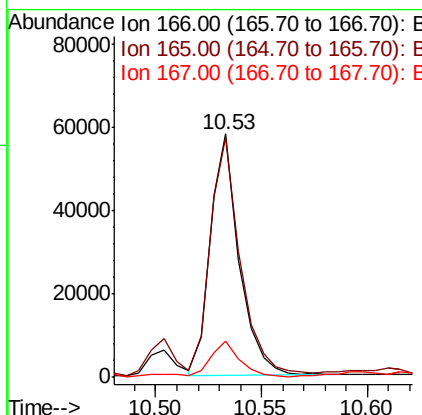
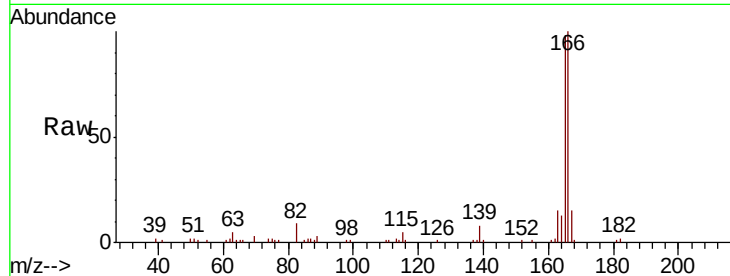




#58
 Fluorene
 Concen: 7.049 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF110822.D
 Acq: 16 Nov 2018 17:46

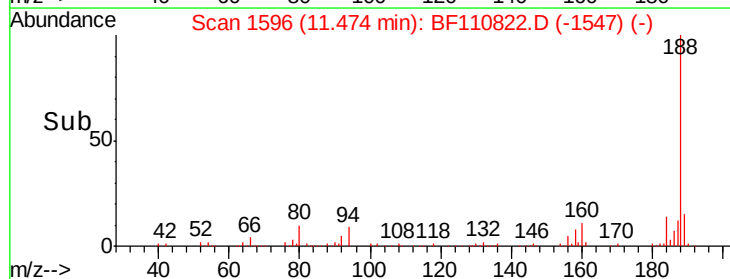
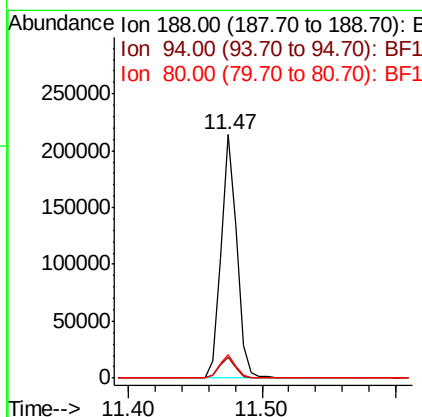
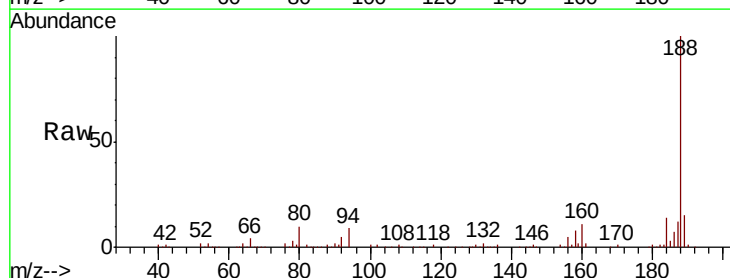
Instrument :
 BNA_F
 ClientSampleId :
 VTW-03(4-6)

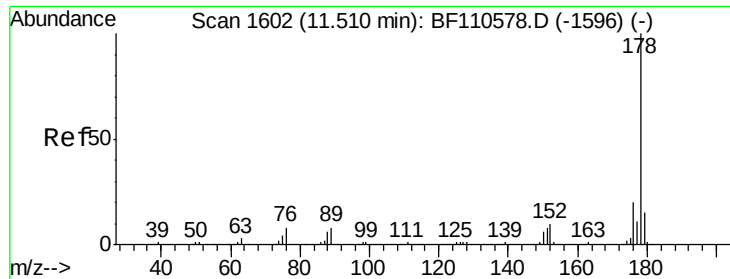
Tgt Ion:166 Resp: 55463
 Ion Ratio Lower Upper
 166 100
 165 98.3 78.6 117.8
 167 14.9 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110822.D
 Acq: 16 Nov 2018 17:46

Tgt Ion:188 Resp: 179721
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.2 10.8
 80 9.9 7.9 11.9

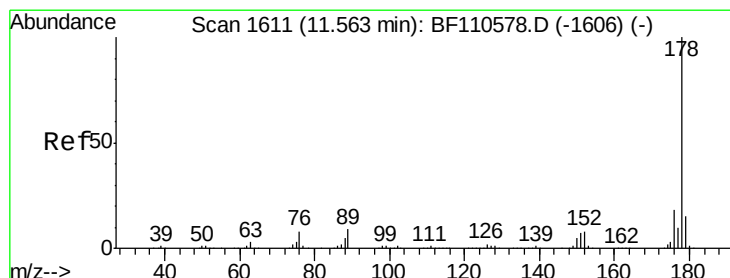
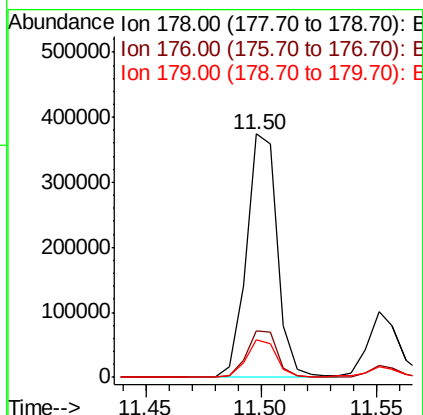
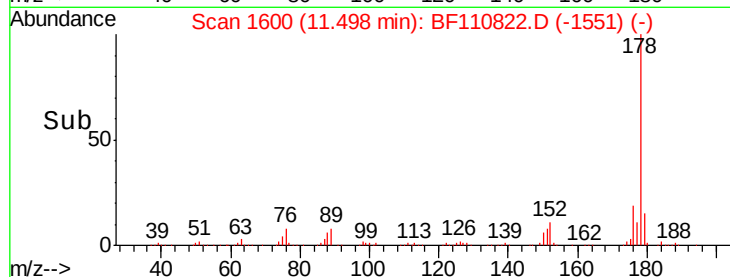
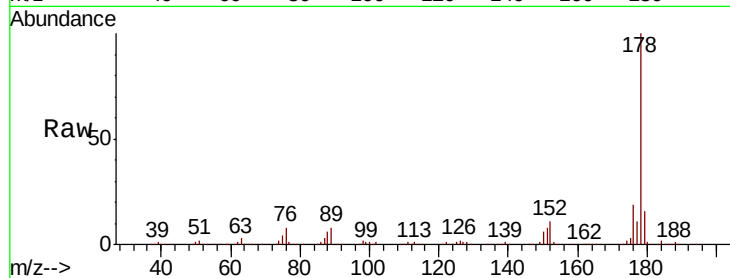




#71
Phenanthrene
Concen: 36.367 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF110822.D
Acq: 16 Nov 2018 17:46

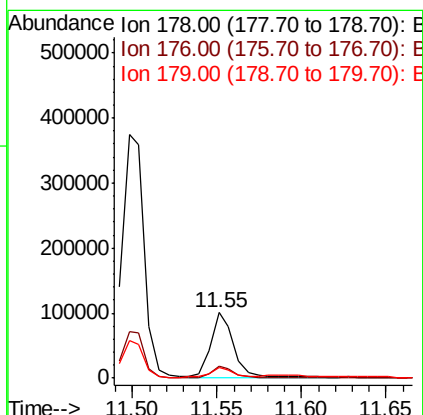
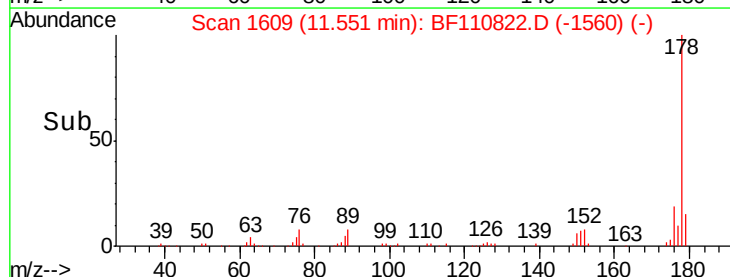
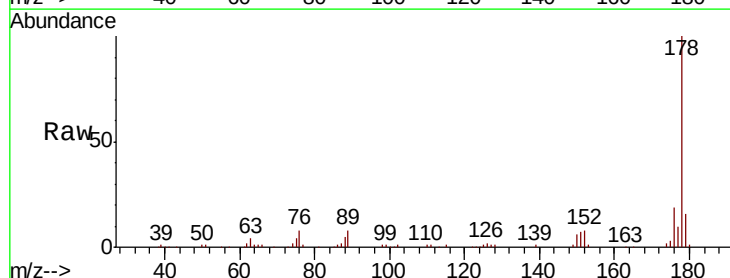
Instrument :
BNA_F
ClientSampleId :
VTW-03(4-6)

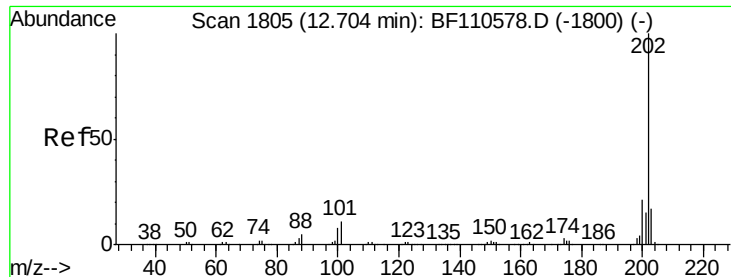
Tgt Ion:178 Resp: 350163
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.5 12.5 18.7



#72
Anthracene
Concen: 9.828 ng
RT: 11.55 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF110822.D
Acq: 16 Nov 2018 17:46

Tgt Ion:178 Resp: 95457
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.7 12.6 18.8





#75

Fluoranthene

Concen: 26.288 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

Instrument :

BNA_F

ClientSampleId :

VTW-03(4-6)

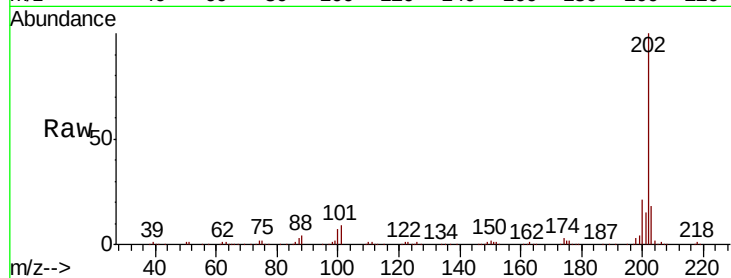
Tgt Ion: 202 Resp: 253769

Ion Ratio Lower Upper

202 100

101 9.0 0.0 31.4

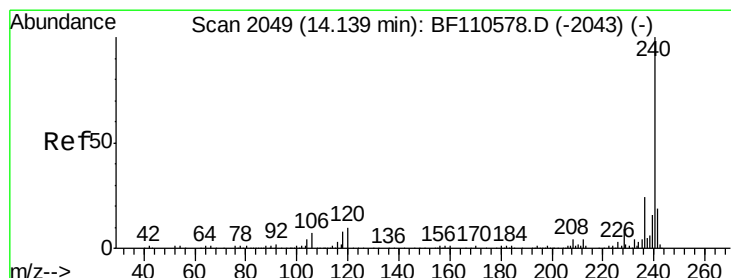
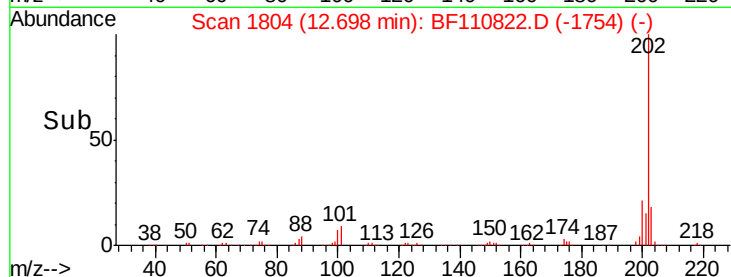
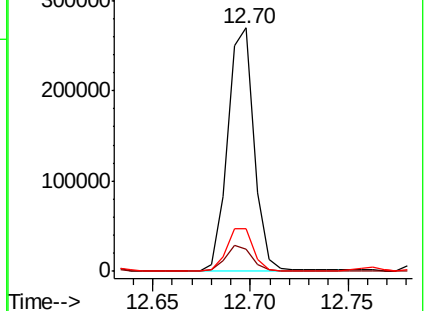
203 17.6 0.0 37.7



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: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

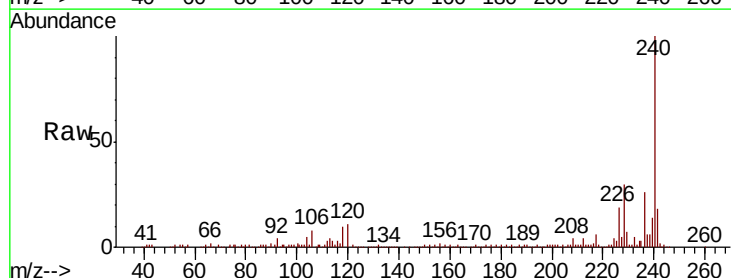
Tgt Ion: 240 Resp: 142792

Ion Ratio Lower Upper

240 100

120 11.2 8.3 12.5

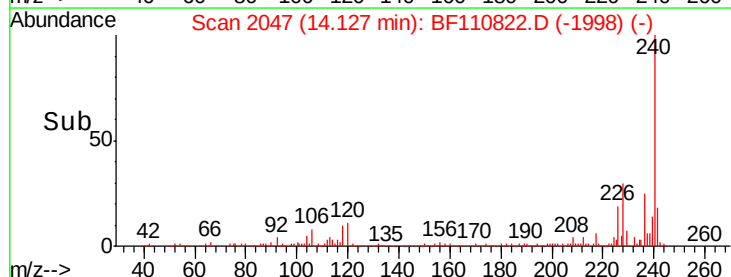
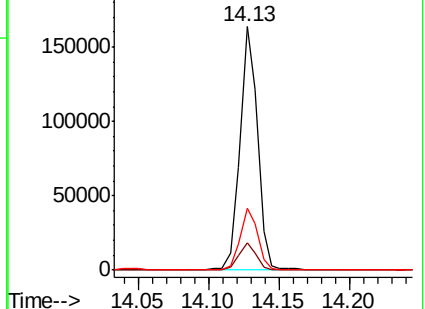
236 25.6 21.2 31.8

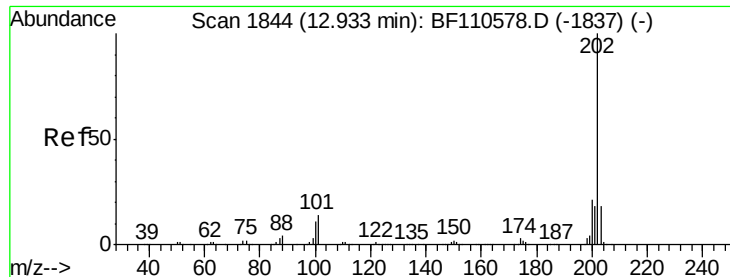


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

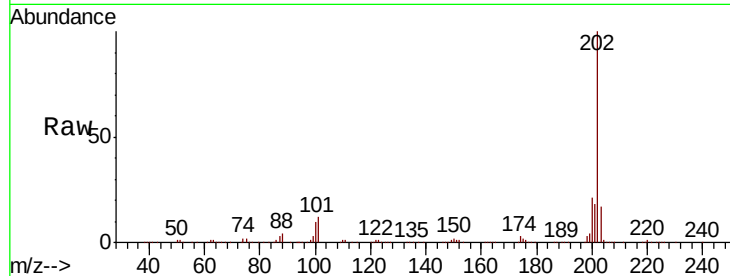




#78
Pyrene
Concen: 28.738 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110822.D
Acq: 16 Nov 2018 17:46

Instrument :
BNA_F
ClientSampleId :
VTW-03(4-6)

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.6
203	17.3	14.2	21.4

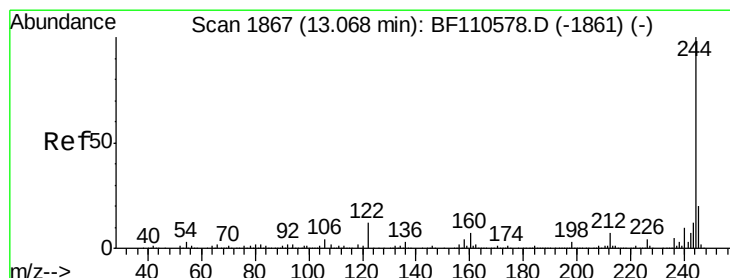
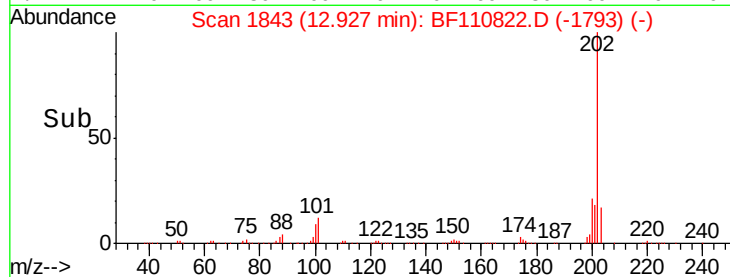
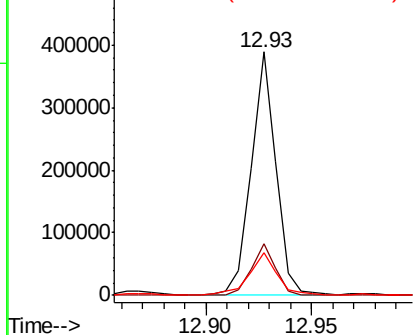


Abundance

Ion 202.00 (201.70 to 202.70): E

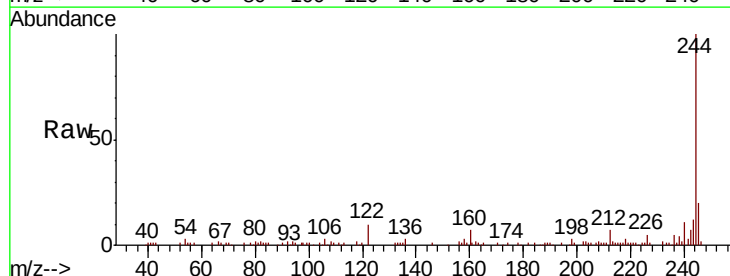
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 8.788 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110822.D
Acq: 16 Nov 2018 17:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	10.4	8.7	13.1

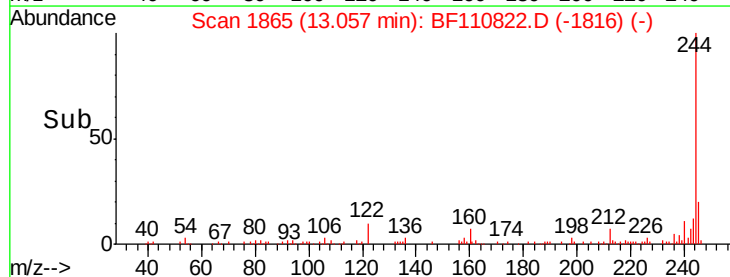
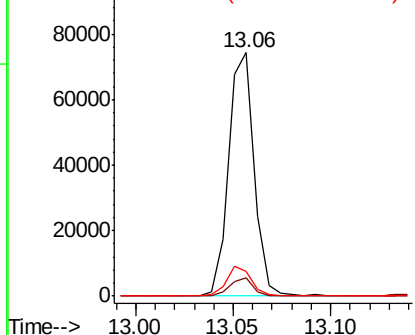


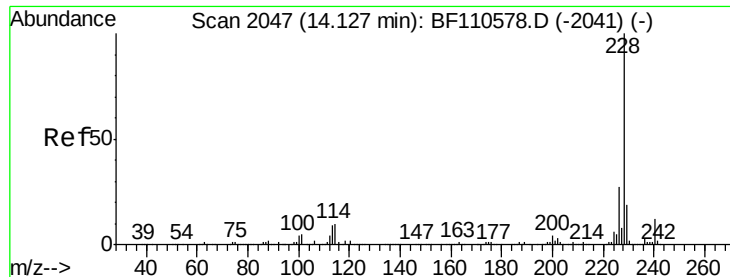
Abundance

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

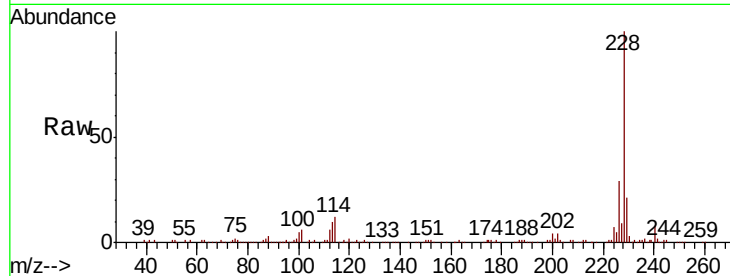




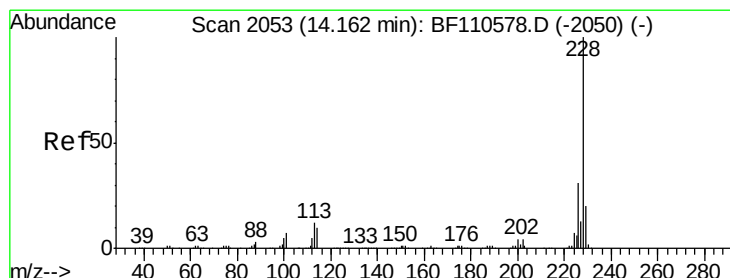
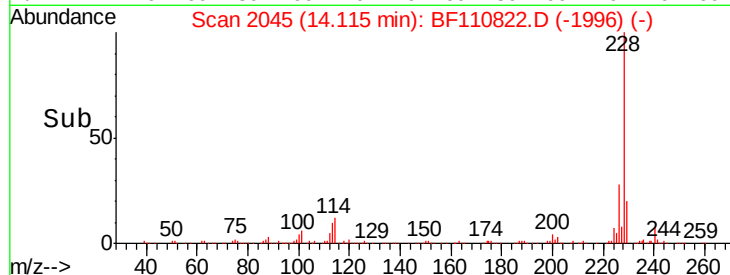
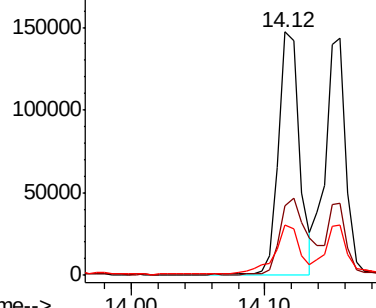
#81
Benzo(a)anthracene
Concen: 18.352 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF110822.D
Acq: 16 Nov 2018 17:46

Instrument :
BNA_F
ClientSampleId :
VTW-03(4-6)

Tgt Ion:228 Resp: 156632
Ion Ratio Lower Upper
228 100
226 28.7 22.1 33.1
229 20.8 15.6 23.4

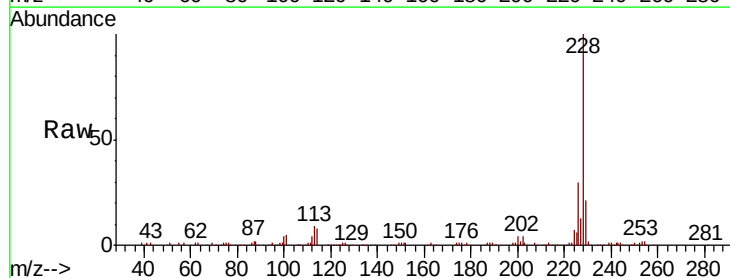


Abundance Ion 228.00 (227.70 to 228.70): E
200000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

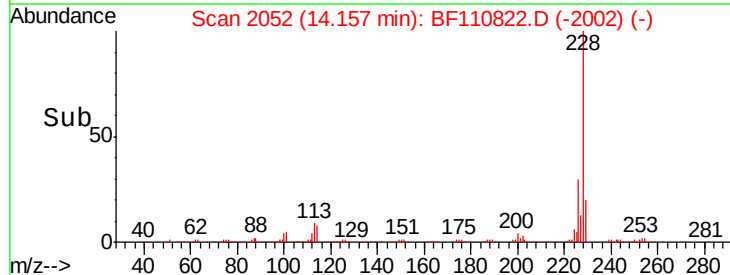
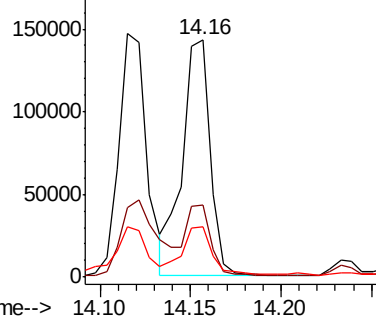


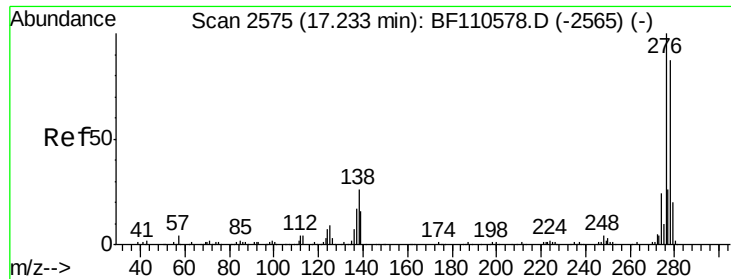
#83
Chrysene
Concen: 18.859 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110822.D
Acq: 16 Nov 2018 17:46

Tgt Ion:228 Resp: 153344
Ion Ratio Lower Upper
228 100
226 30.1 24.7 37.1
229 21.2 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
200000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

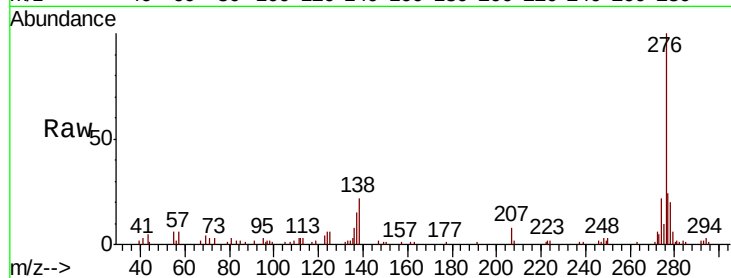




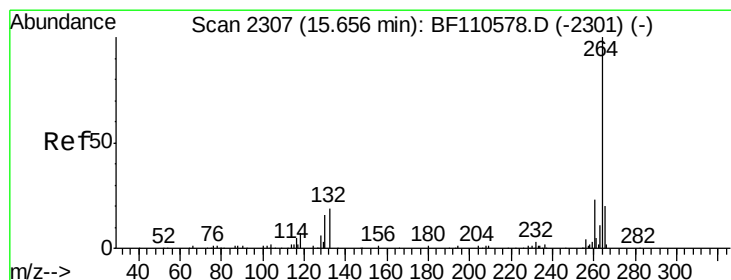
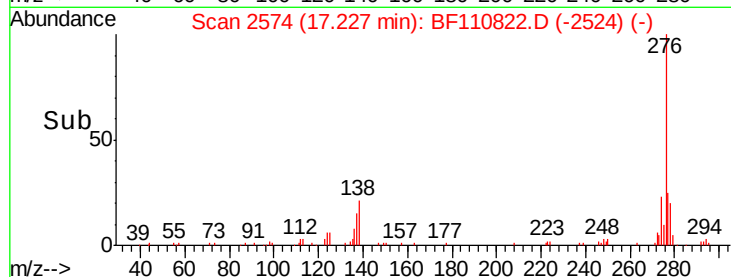
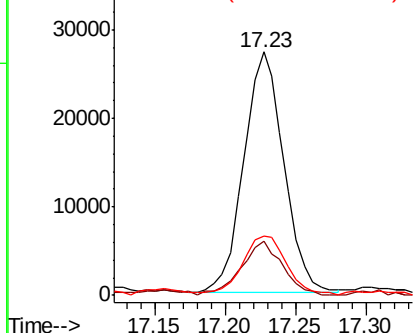
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.261 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. -0.01 min
 Lab File: BF110822.D
 Acq: 16 Nov 2018 17:46

Instrument :
 BNA_F
 ClientSampleId :
 VTW-03(4-6)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.5	27.7
277	27.5	20.0	30.0

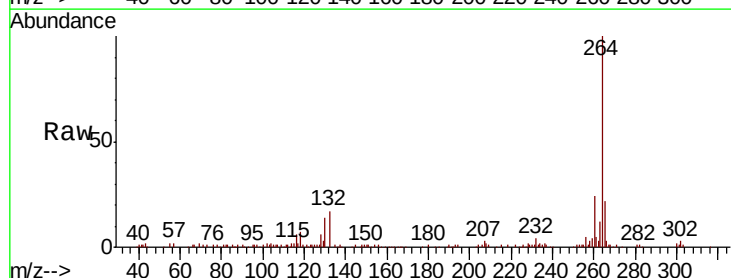


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

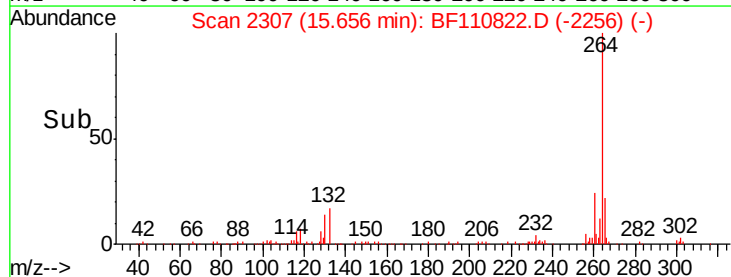
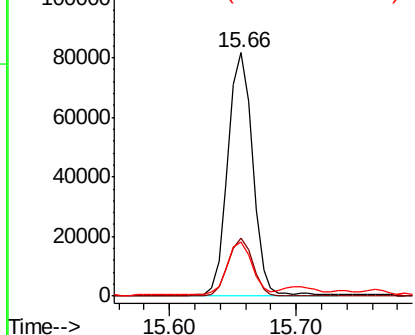


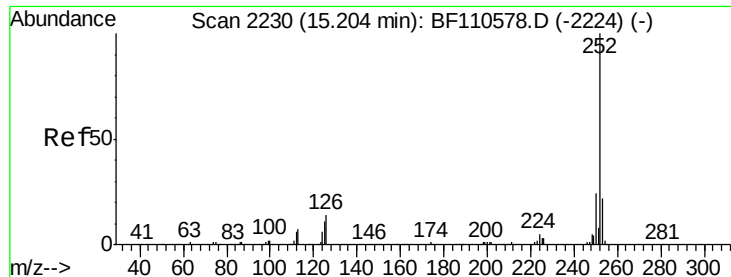
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BF110822.D
 Acq: 16 Nov 2018 17:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	22.3	16.7	25.1



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: 29.279 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

Instrument :

BNA_F

ClientSampleId :

VTW-03(4-6)

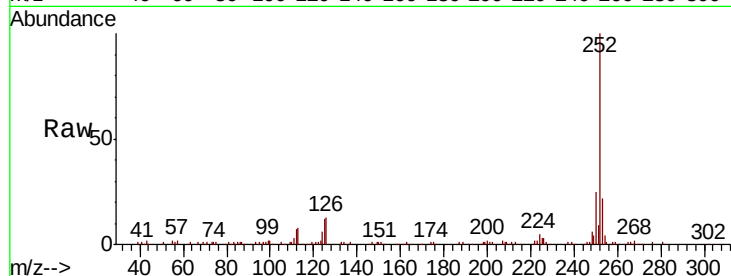
Tgt Ion:252 Resp: 196546

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

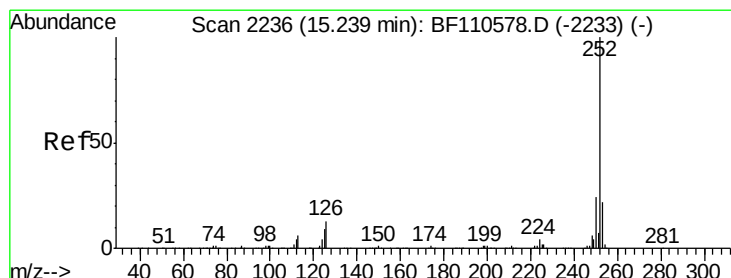
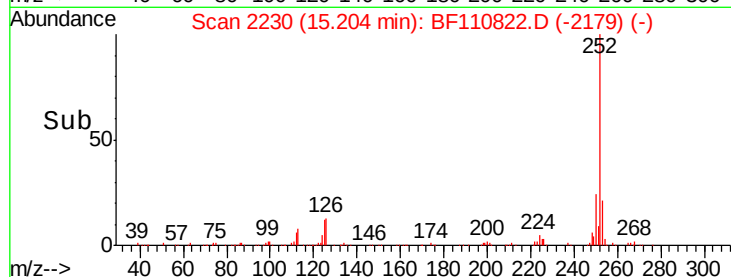
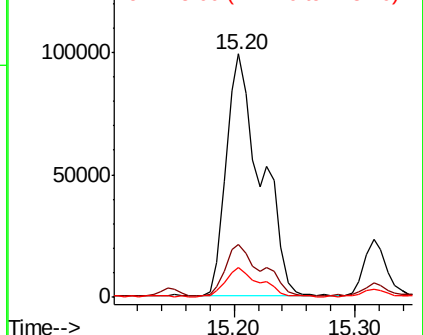
125 12.3 8.2 12.4



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: 29.631 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

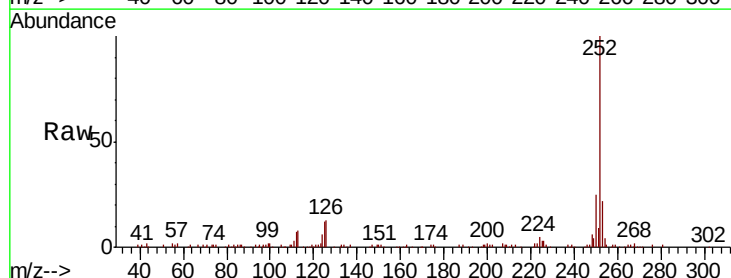
Tgt Ion:252 Resp: 196546

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

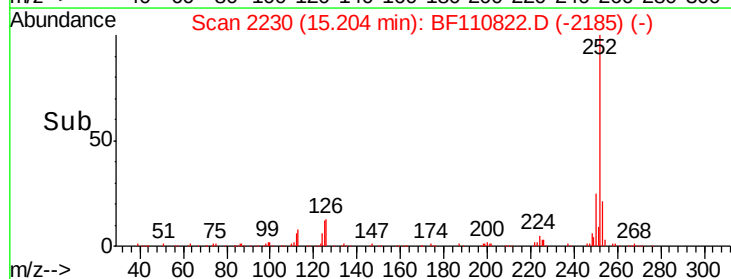
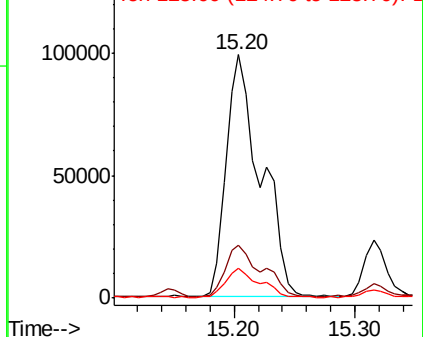
125 12.3 7.4 11.0#

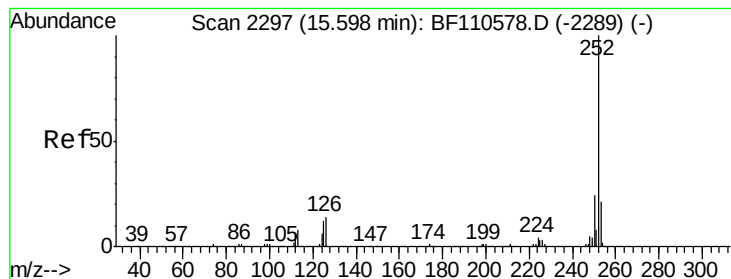


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 18.489 ng

RT: 15.59 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

Instrument :

BNA_F

ClientSampleId :

VTW-03(4-6)

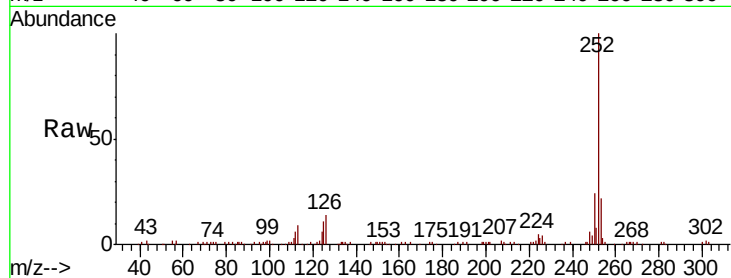
Tgt Ion:252 Resp: 112765

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.4

125 11.1 9.0 13.6

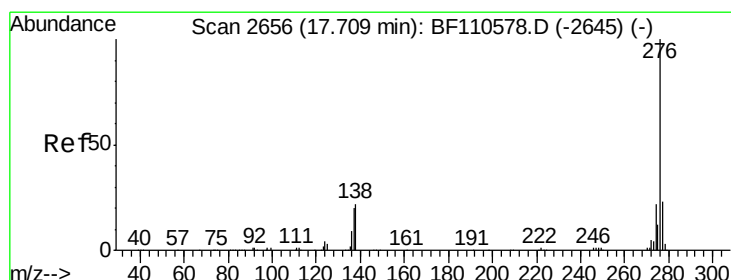
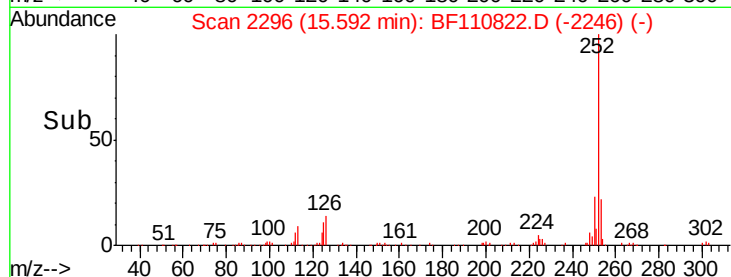
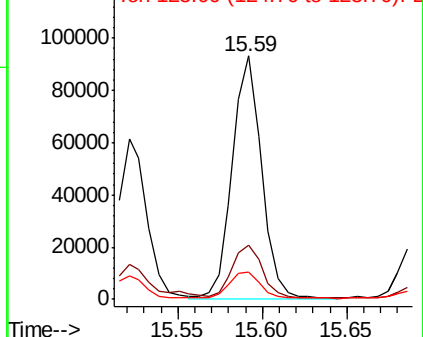


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 10.716 ng

RT: 17.71 min Scan# 2656

Delta R.T. 0.00 min

Lab File: BF110822.D

Acq: 16 Nov 2018 17:46

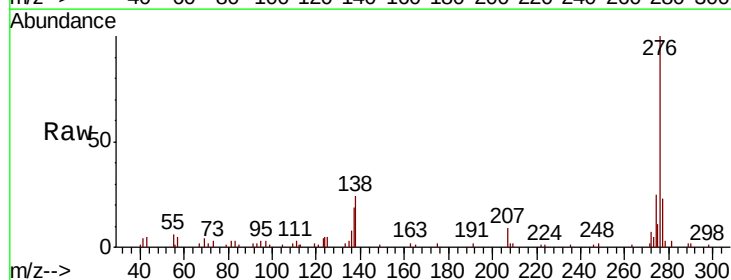
Tgt Ion:276 Resp: 54875

Ion Ratio Lower Upper

276 100

277 22.9 18.8 28.2

138 24.4 16.0 24.0#



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

