

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112118\
 Data File : BF110930.D
 Acq On : 21 Nov 2018 16:05
 Operator : JU/SJ
 Sample : J6017-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VW-RO-294-CON

Quant Time: Nov 21 22:07:50 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	59725	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	254498	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	115515	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	189892	20.00	ng	0.00
76) Chrysene-d12	14.13	240	133372	20.00	ng	0.00
87) Perylene-d12	15.67	264	125033	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	75164	20.44	ng	0.00
7) Phenol-d6	6.57	99	99948	21.26	ng	0.00
23) Nitrobenzene-d5	7.52	82	65500	14.82	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	18500	15.89	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	134937	16.68	ng	0.00
79) Terphenyl-d14	13.06	244	98179	13.79	ng	-0.01

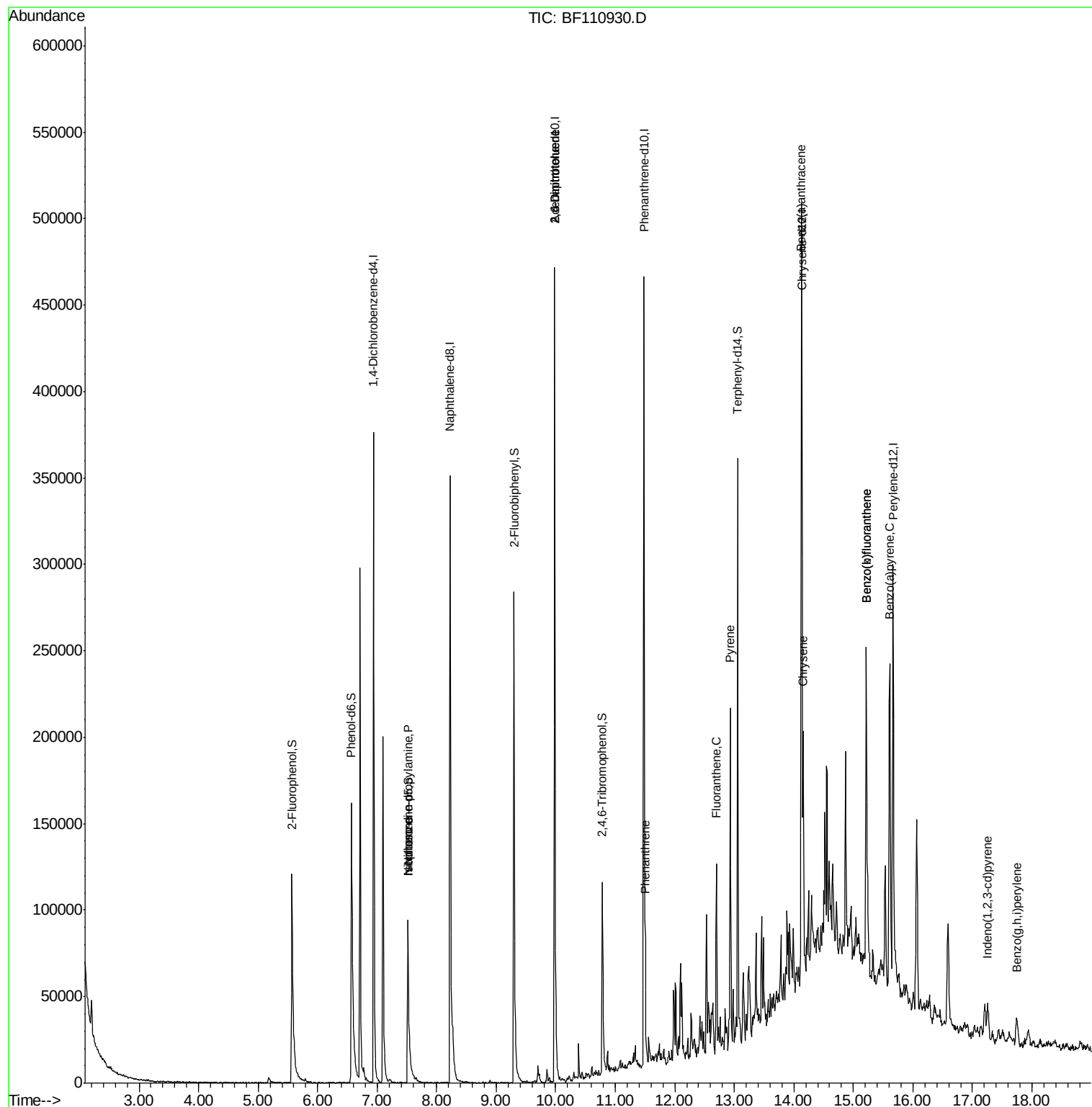
Target Compounds				Qvalue		
9) Benzaldehyde	6.58	77	120	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.52	70	8156	2.717 ng	#	76
25) Isophorone	7.52	82	65500	9.043 ng	#	67
51) 2,6-Dinitrotoluene	9.98	165	14207	7.493 ng	#	22
57) 2,4-Dinitrotoluene	9.98	165	14207	5.763 ng	#	19
71) Phenanthrene	11.50	178	23006	2.261 ng		97
75) Fluoranthene	12.70	202	41500	4.069 ng		100
78) Pyrene	12.93	202	79425	7.734 ng		96
81) Benzo(a)anthracene	14.12	228	52760	6.618 ng		98
83) Chrysene	14.16	228	53922	7.100 ng		98
86) Indeno(1,2,3-cd)pyrene	17.26	276	15148	2.779 ng		95
88) Benzo(b)fluoranthene	15.22	252	54263	7.255 ng	#	96
89) Benzo(k)fluoranthene	15.22	252	54263	7.342 ng	#	95
90) Benzo(a)pyrene	15.60	252	34674	5.102 ng		98
92) Benzo(g,h,i)perylene	17.74	276	15535	2.722 ng	#	91

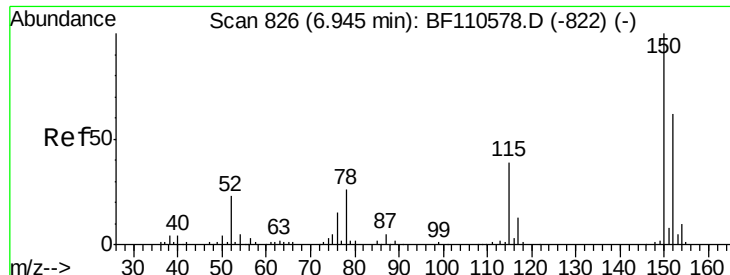
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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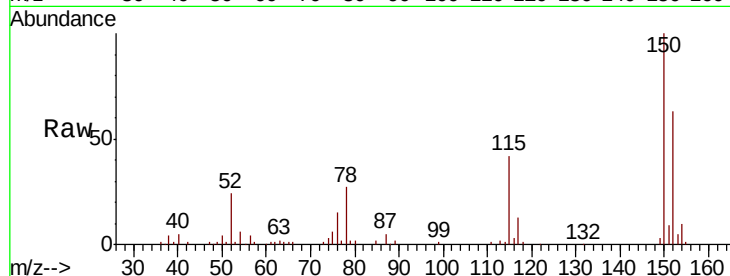


#1

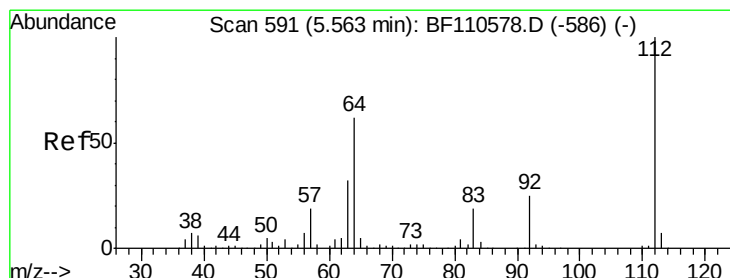
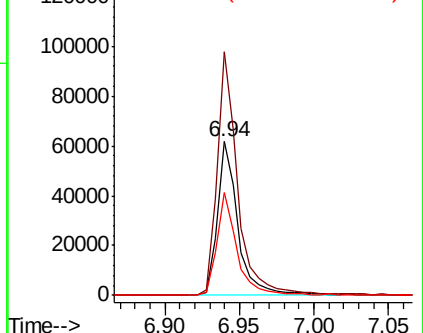
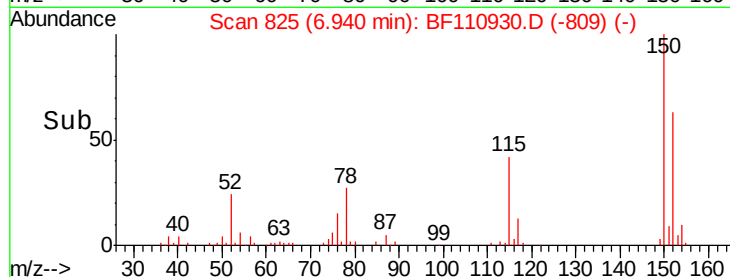
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Instrument :
BNA_F
ClientSampleId :
VW-RO-294-CON

Tgt Ion:152 Resp: 59725
Ion Ratio Lower Upper
152 100
150 158.6 122.7 184.1
115 67.3 49.1 73.7



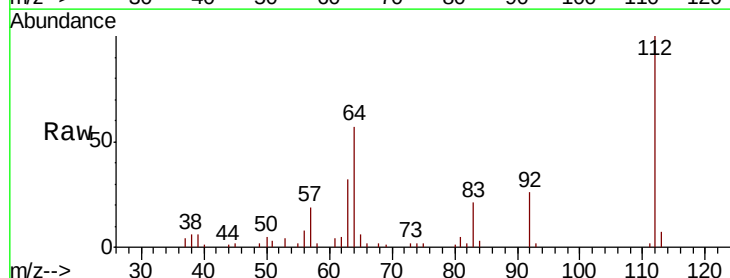
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



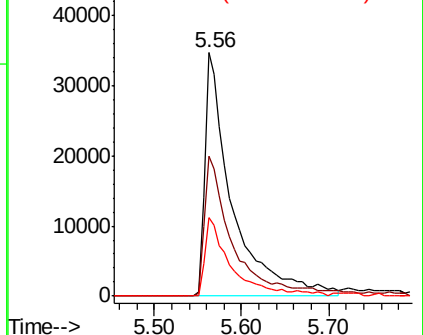
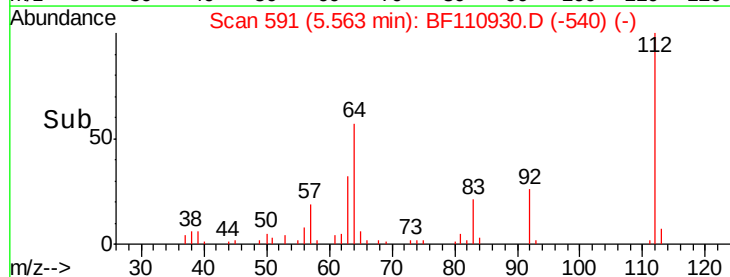
#5

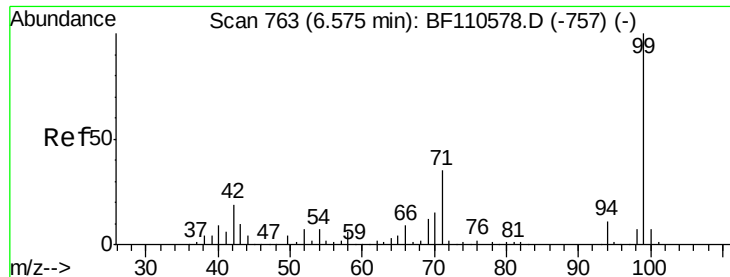
2-Fluorophenol
Concen: 20.442 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Tgt Ion:112 Resp: 75164
Ion Ratio Lower Upper
112 100
64 57.2 44.1 66.1
63 32.3 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: 21.257 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Instrument :

BNA_F

ClientSampleId :

VW-RO-294-CON

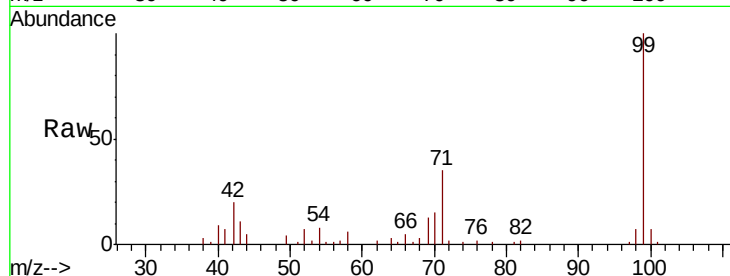
Tgt Ion: 99 Resp: 99948

Ion Ratio Lower Upper

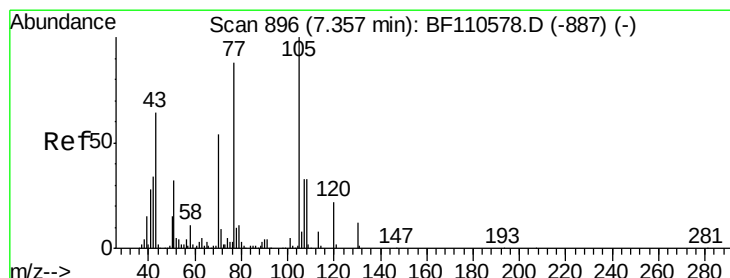
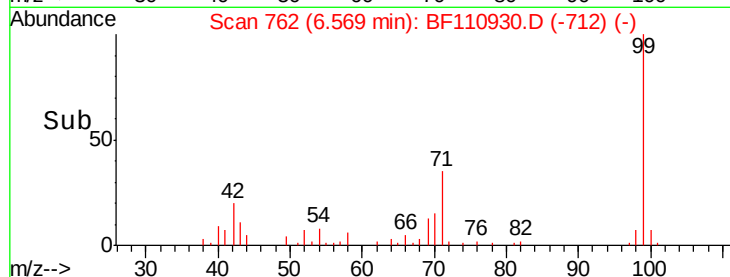
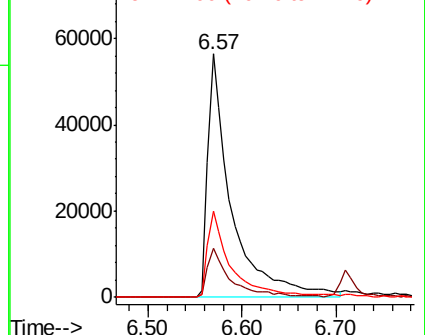
99 100

42 20.2 15.8 23.6

71 35.4 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: 2.717 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.16 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Tgt Ion: 70 Resp: 8156

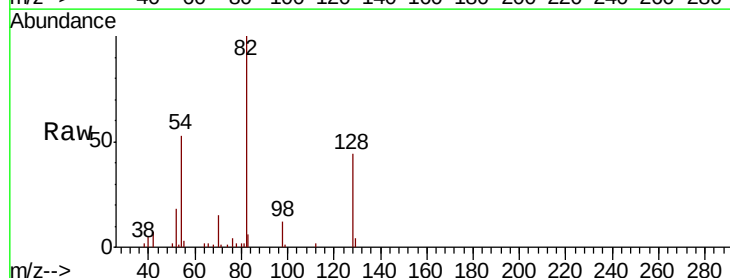
Ion Ratio Lower Upper

70 100

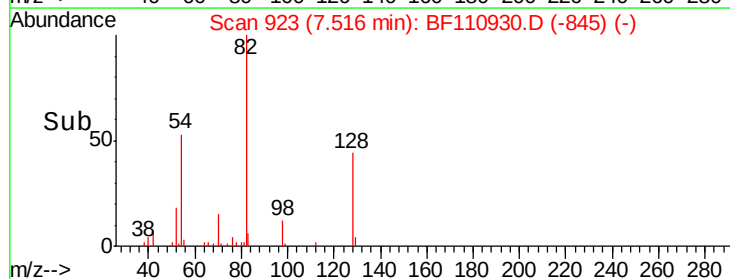
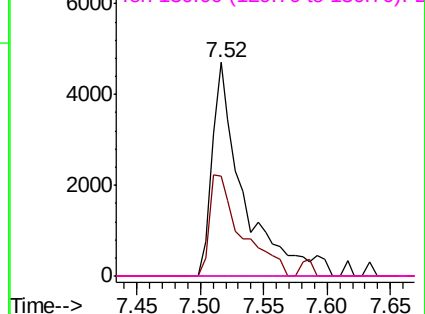
42 46.8 47.4 71.2#

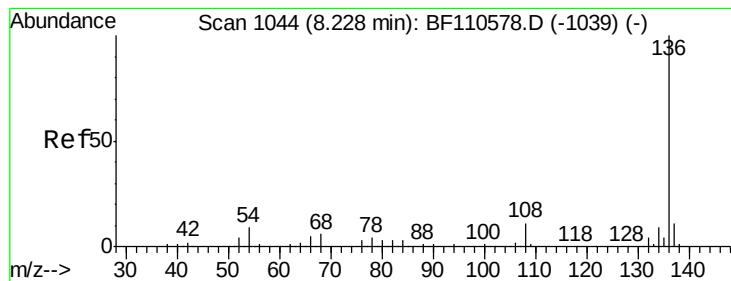
101 0.0 7.3 10.9#

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: BF110930.D

Acq: 21 Nov 2018 16:05

Instrument :

BNA_F

ClientSampleId :

VW-RO-294-CON

Tgt Ion: 136 Resp: 254498

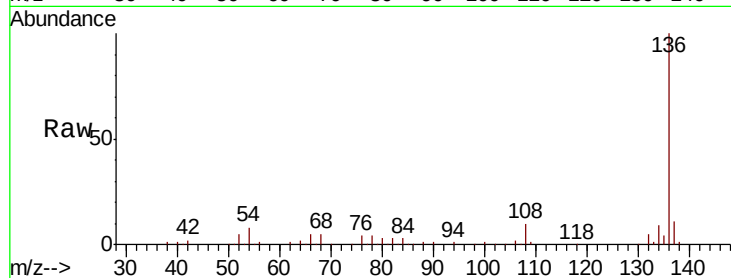
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.1 5.4 8.2

68 5.4 4.2 6.2

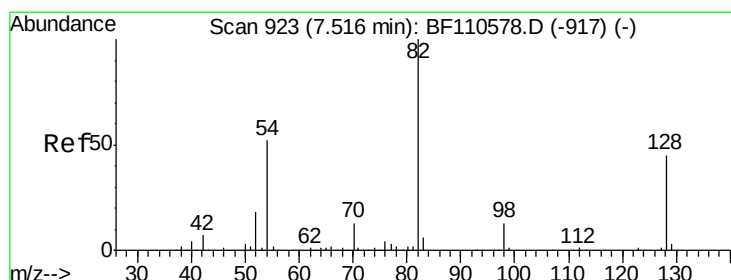
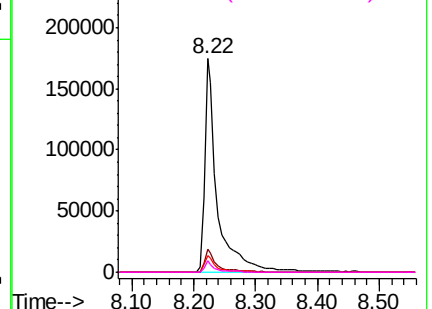
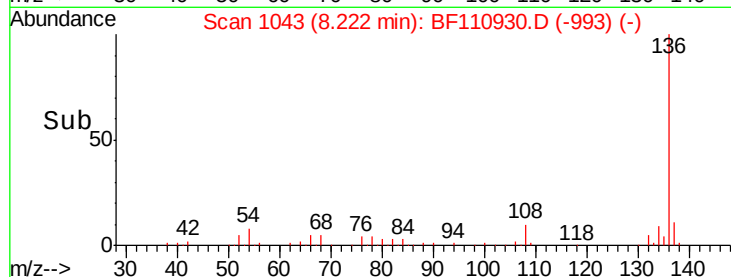


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.822 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

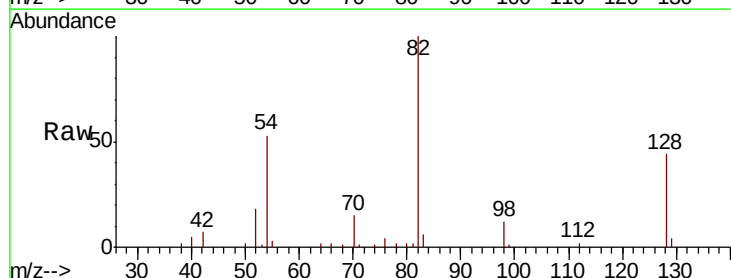
Tgt Ion: 82 Resp: 65500

Ion Ratio Lower Upper

82 100

128 44.4 34.2 51.2

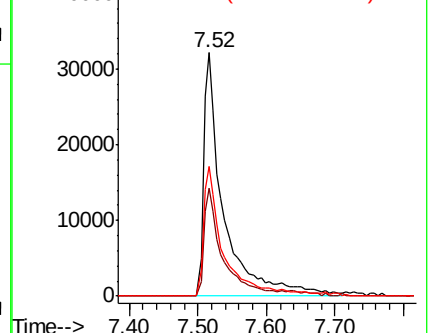
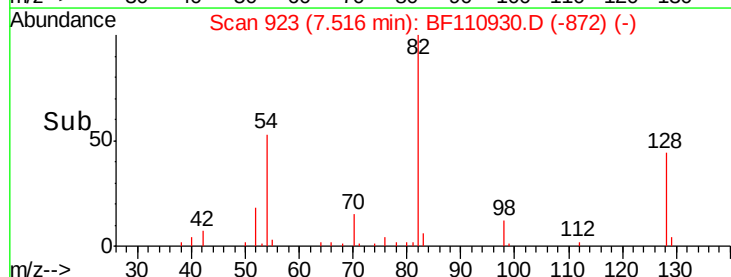
54 53.1 38.6 58.0

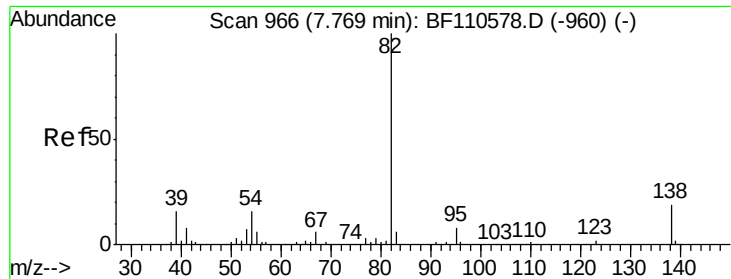


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 9.043 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.25 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Instrument :

BNA_F

ClientSampleId :

VW-RO-294-CON

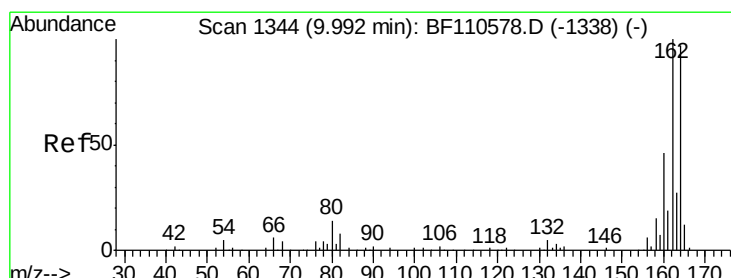
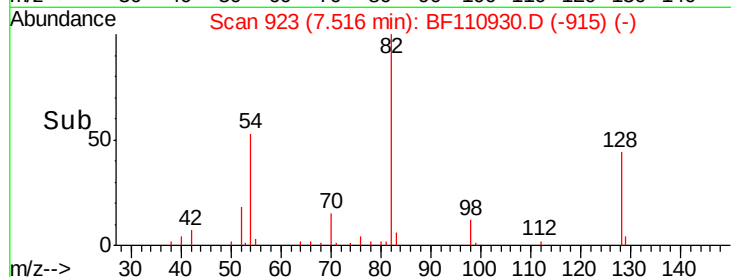
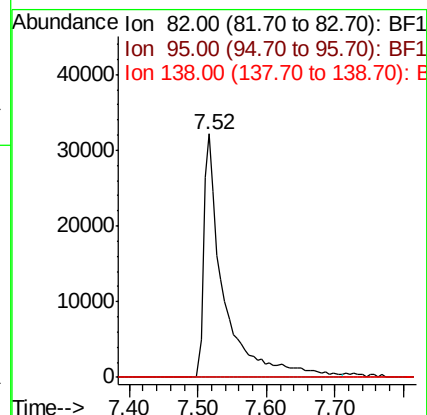
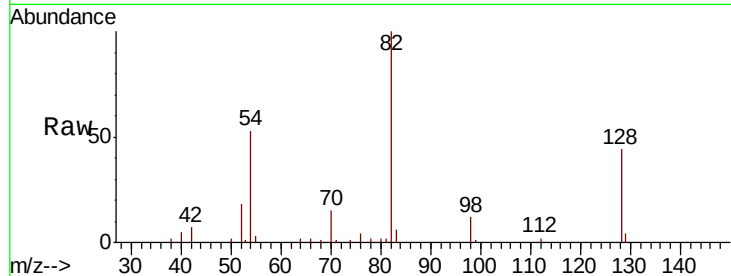
Tgt Ion: 82 Resp: 65500

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

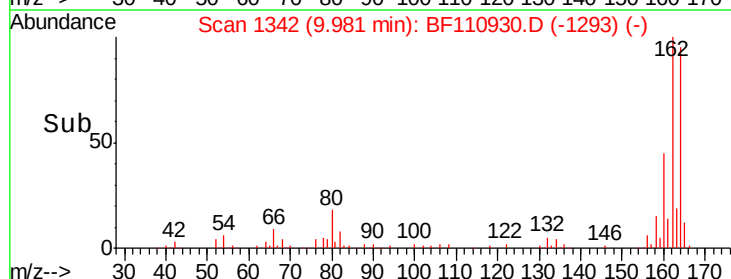
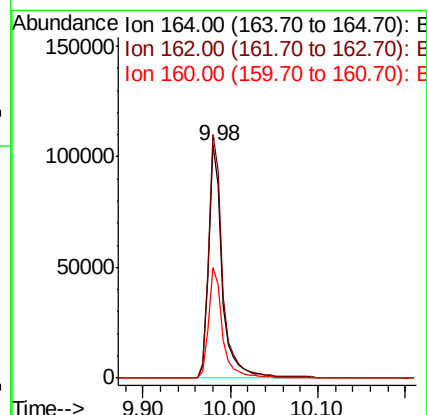
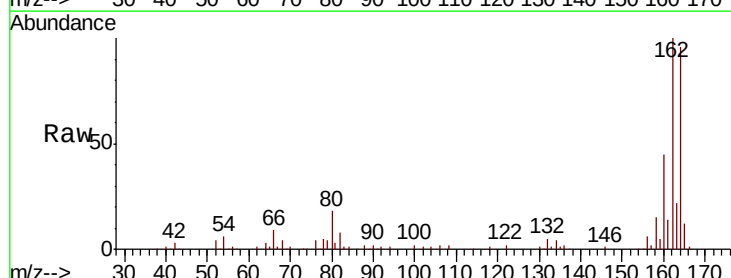
Tgt Ion: 164 Resp: 115515

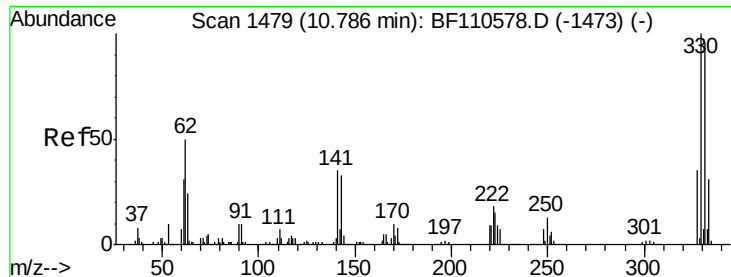
Ion Ratio Lower Upper

164 100

162 104.5 83.0 124.6

160 47.2 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 15.894 ng

RT: 10.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Instrument :

BNA_F

ClientSampleId :

VW-RO-294-CON

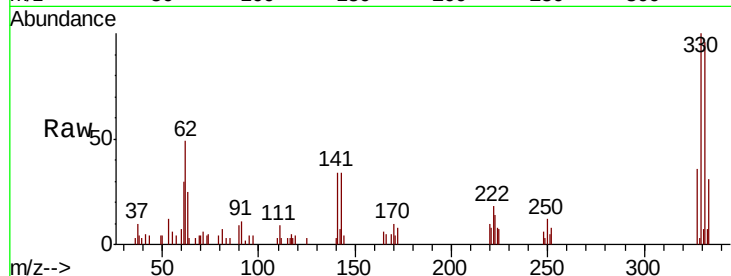
Tgt Ion:330 Resp: 18500

Ion Ratio Lower Upper

330 100

332 94.4 77.1 115.7

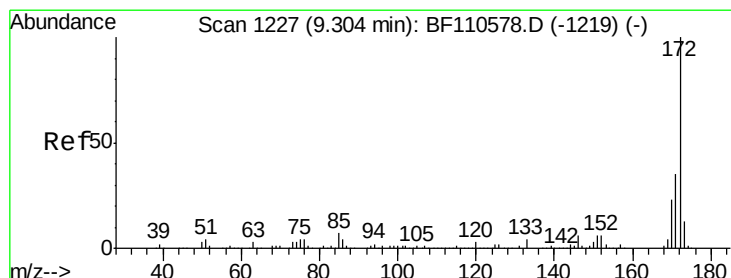
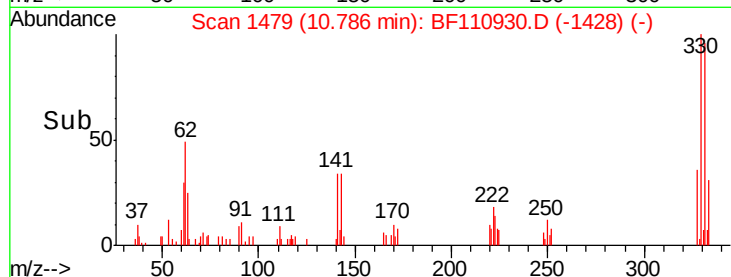
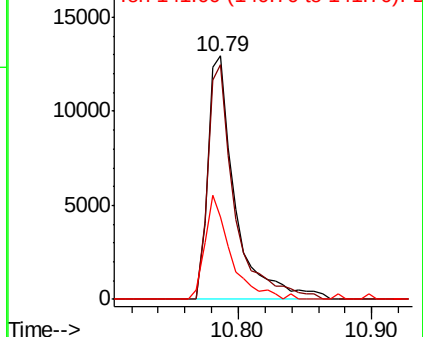
141 40.2 27.0 40.4



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: 16.683 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

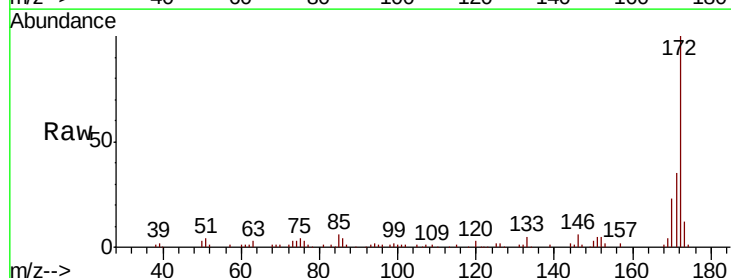
Tgt Ion:172 Resp: 134937

Ion Ratio Lower Upper

172 100

171 34.8 28.6 43.0

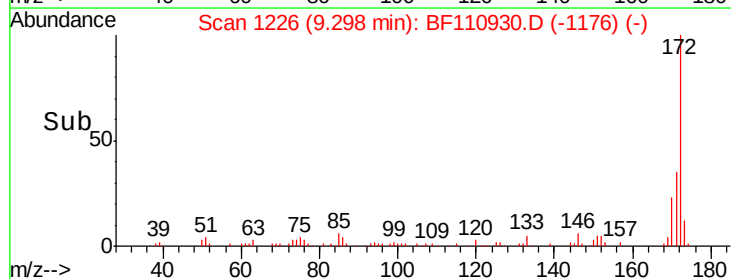
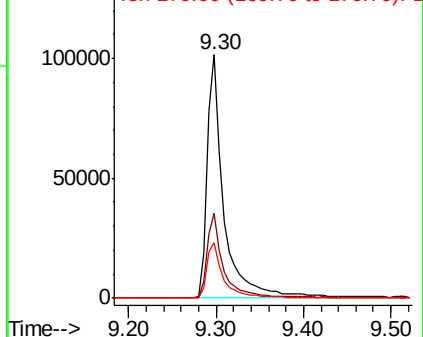
170 22.9 19.7 29.5

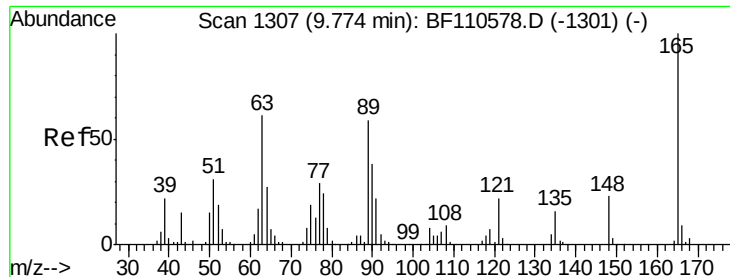


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

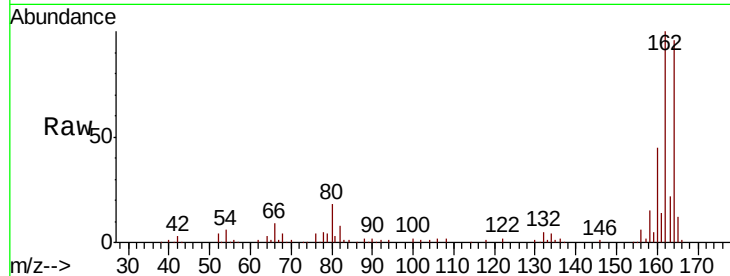




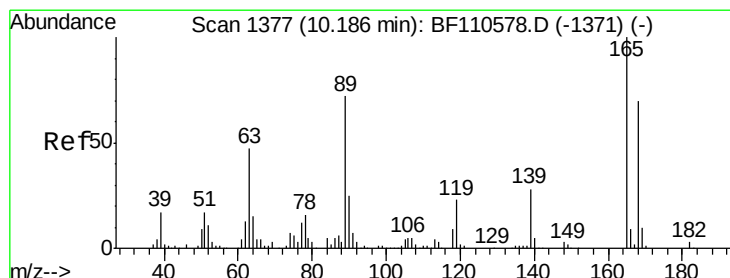
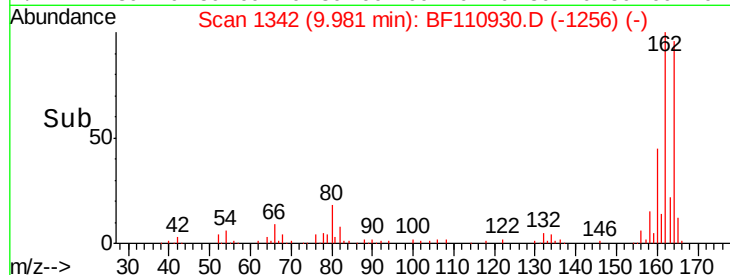
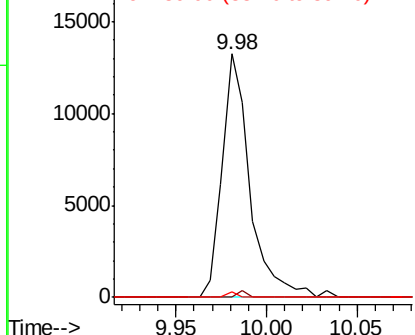
#51
2,6-Dinitrotoluene
Concen: 7.493 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.21 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Instrument :
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VW-RO-294-CON

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	2.3	46.6	69.8#



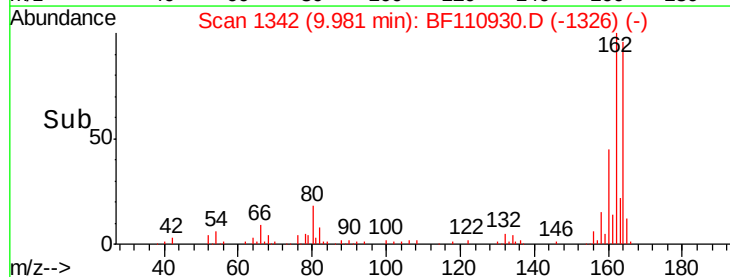
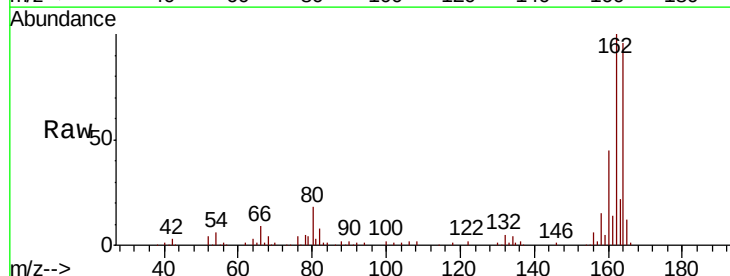
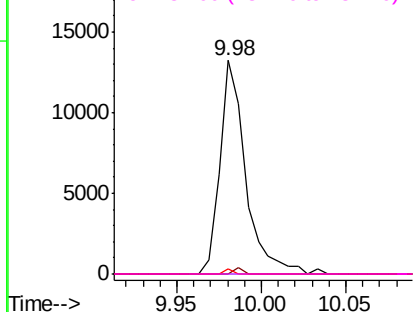
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

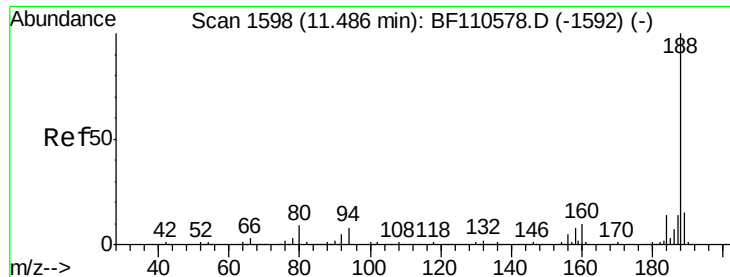


#57
2,4-Dinitrotoluene
Concen: 5.763 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	2.3	62.2	93.4#
182	0.0	2.1	3.1#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

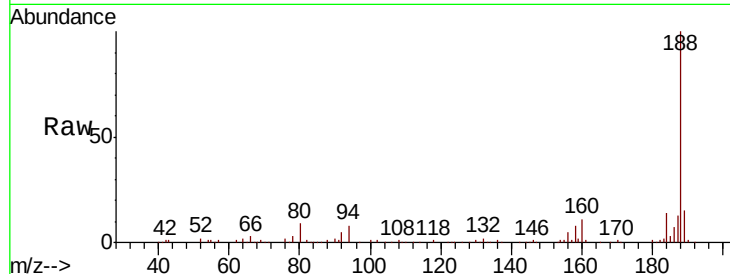




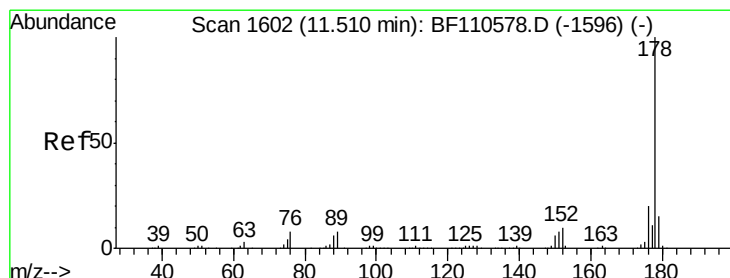
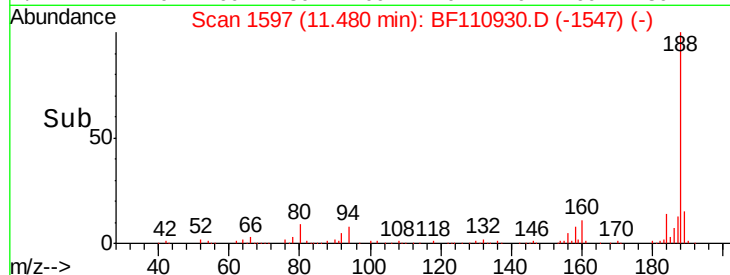
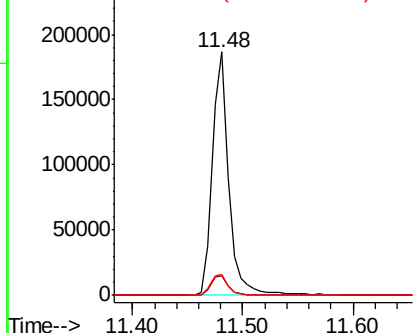
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Instrument :
BNA_F
ClientSampleId :
VW-RO-294-CON

Tgt Ion:188 Resp: 189892
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 8.7 7.9 11.9

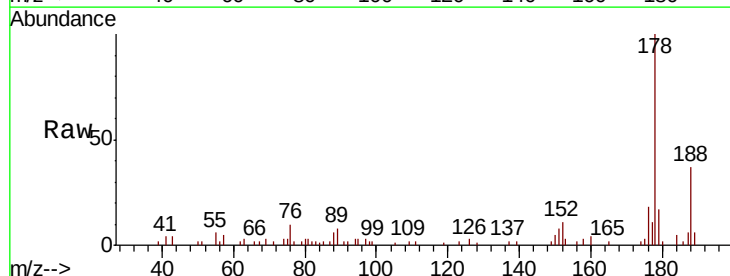


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

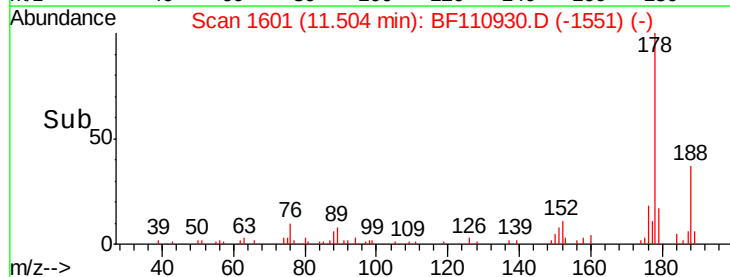
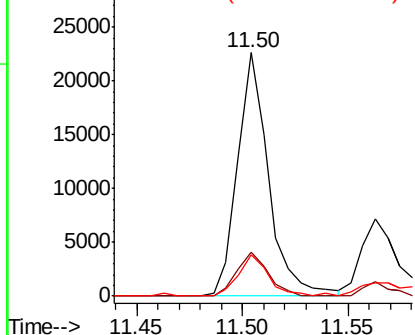


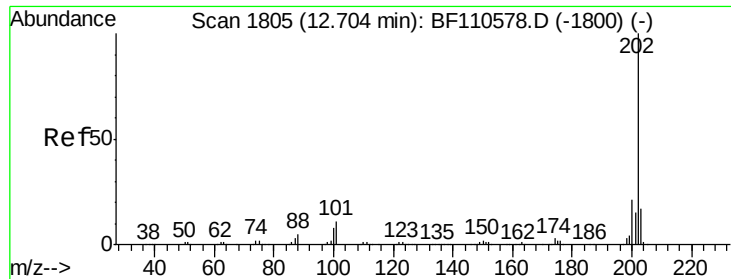
#71
Phenanthrene
Concen: 2.261 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Tgt Ion:178 Resp: 23006
Ion Ratio Lower Upper
178 100
176 17.9 15.5 23.3
179 16.9 12.5 18.7



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: 4.069 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Instrument :

BNA_F

ClientSampleId :

VW-RO-294-CON

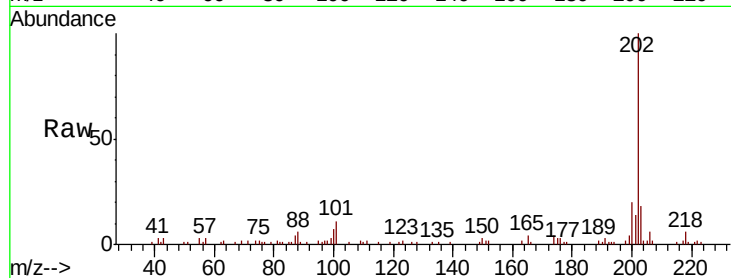
Tgt Ion: 202 Resp: 41500

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

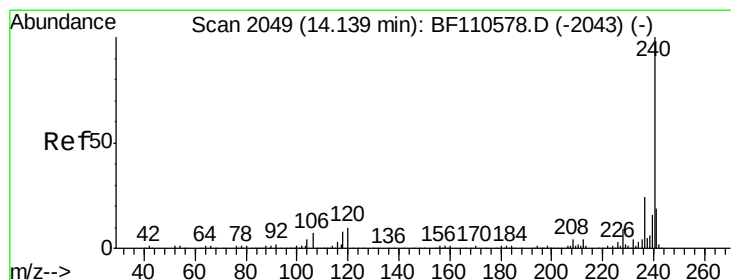
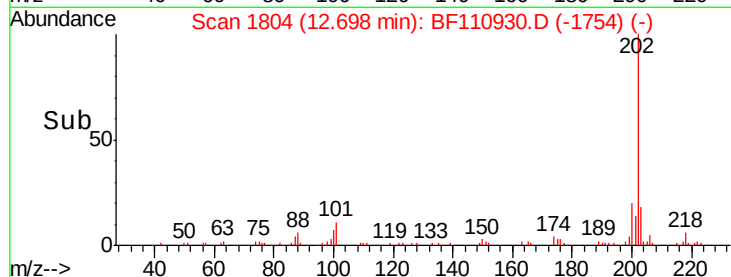
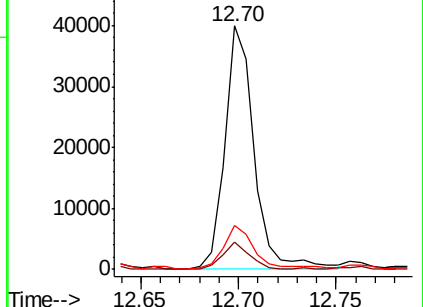
203 17.9 0.0 37.7



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# 2048

Delta R.T. -0.01 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

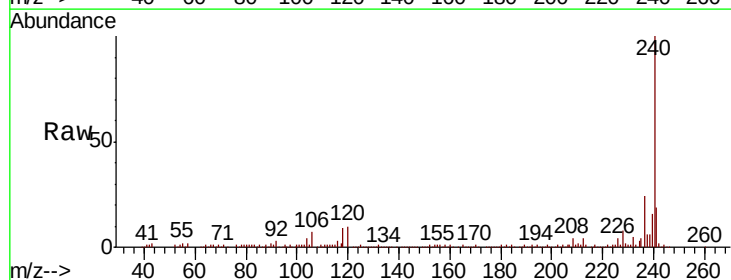
Tgt Ion: 240 Resp: 133372

Ion Ratio Lower Upper

240 100

120 9.8 8.3 12.5

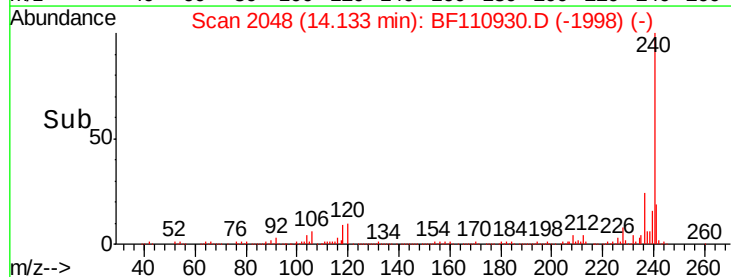
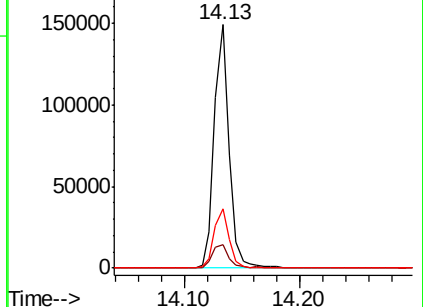
236 24.3 21.2 31.8

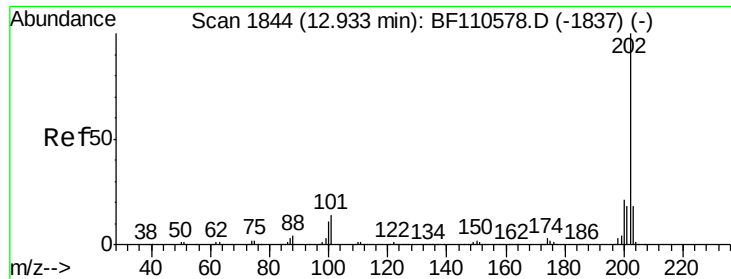


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

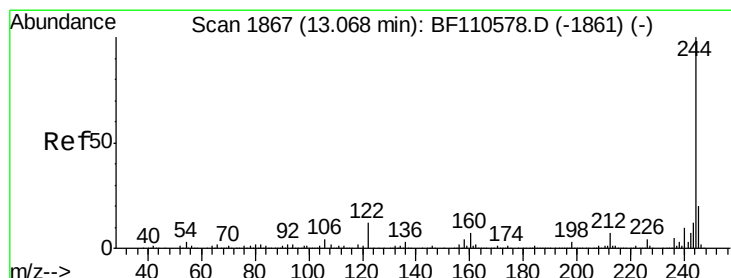
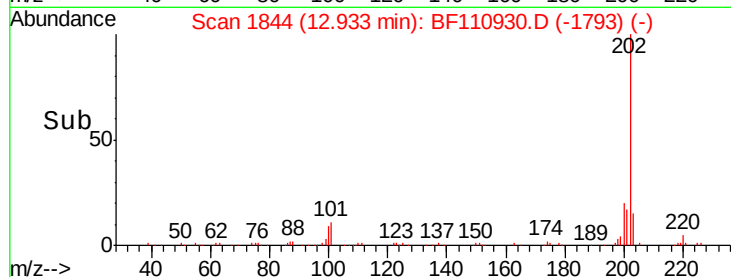
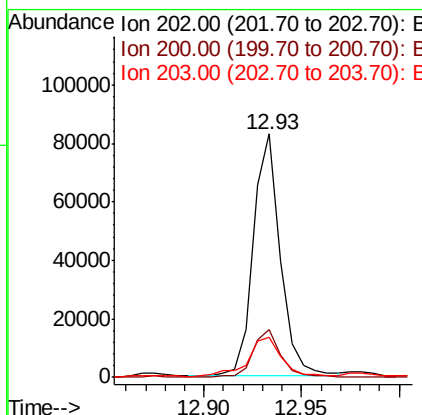
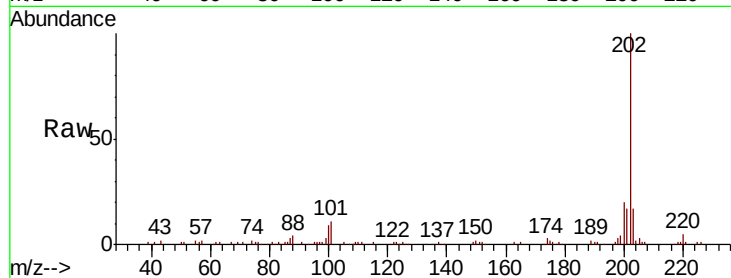




#78
Pyrene
Concen: 7.734 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

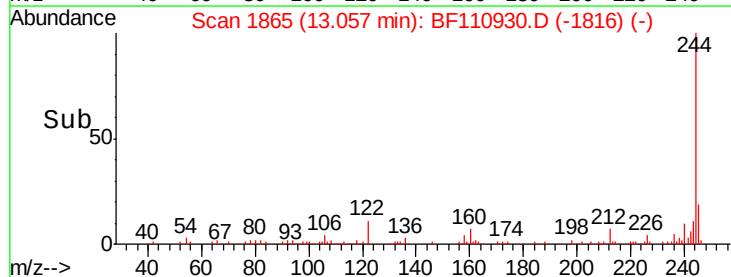
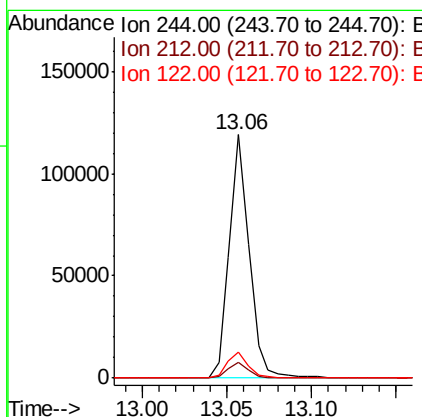
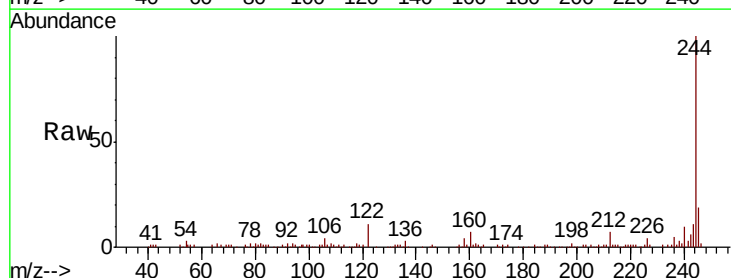
Instrument :
BNA_F
ClientSampleId :
VW-RO-294-CON

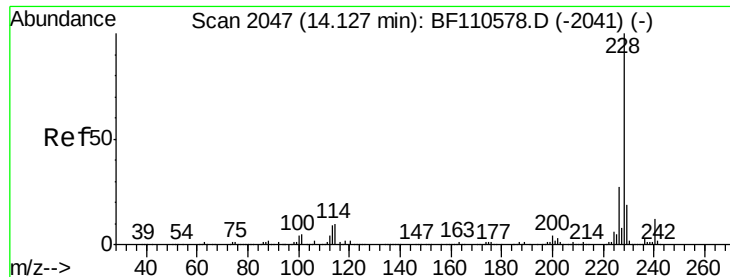
Tgt Ion: 202 Resp: 79425
Ion Ratio Lower Upper
202 100
200 19.7 17.8 26.6
203 16.5 14.2 21.4



#79
Terphenyl-d14
Concen: 13.786 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Tgt Ion: 244 Resp: 98179
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.8
122 10.8 8.7 13.1

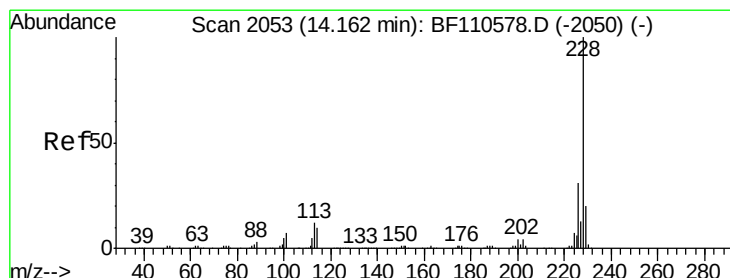
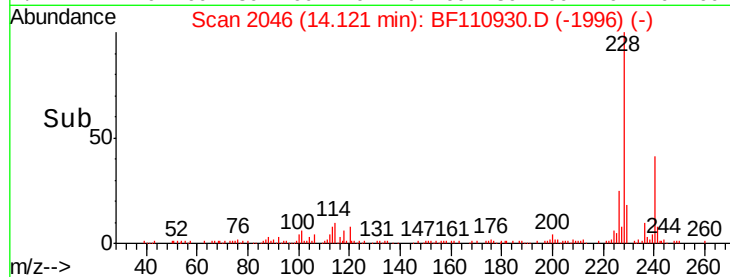
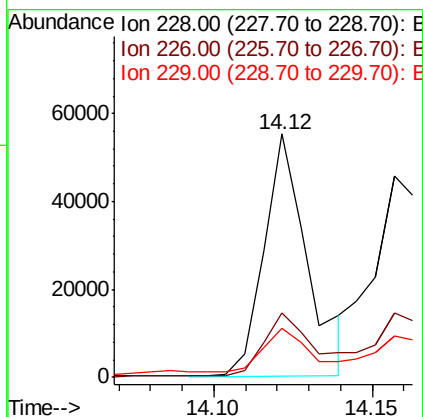
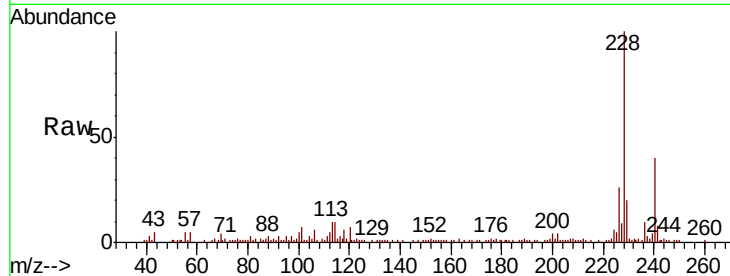




#81
Benzo(a)anthracene
Concen: 6.618 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

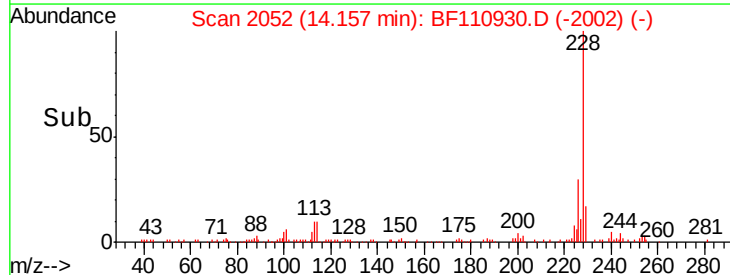
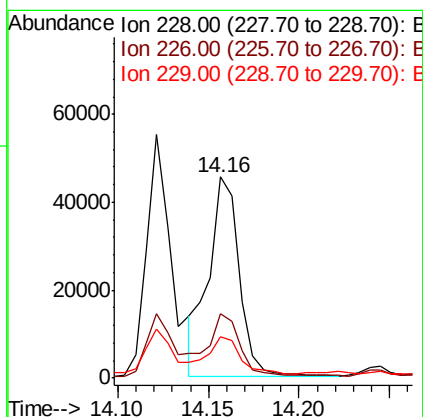
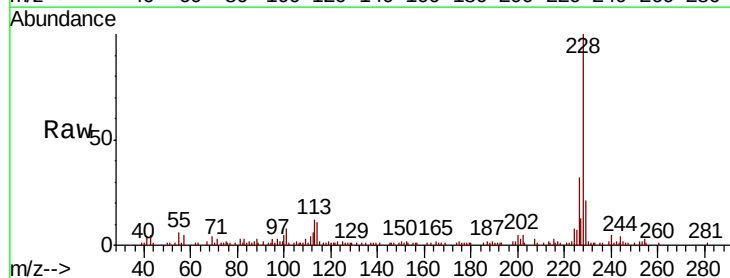
Instrument :
BNA_F
ClientSampleId :
VW-RO-294-CON

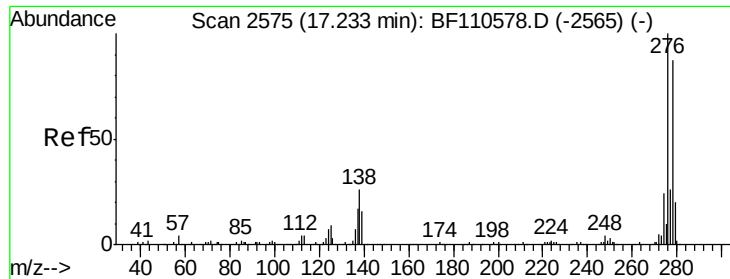
Tgt Ion:228 Resp: 52760
Ion Ratio Lower Upper
228 100
226 26.4 22.1 33.1
229 20.3 15.6 23.4



#83
Chrysene
Concen: 7.100 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Tgt Ion:228 Resp: 53922
Ion Ratio Lower Upper
228 100
226 32.2 24.7 37.1
229 20.7 15.9 23.9

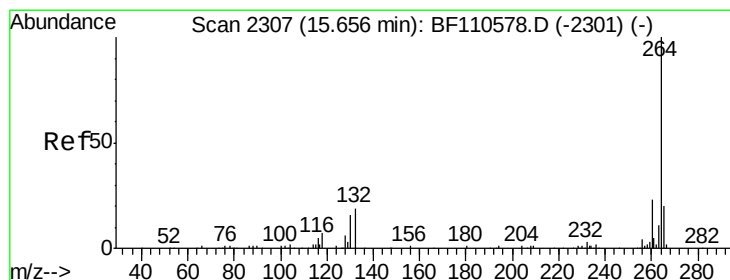
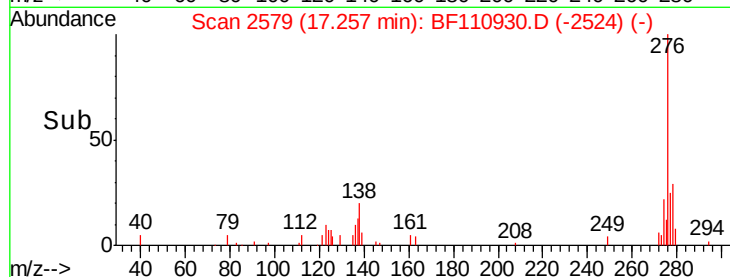
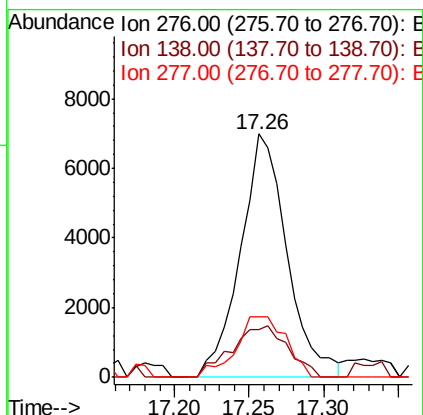
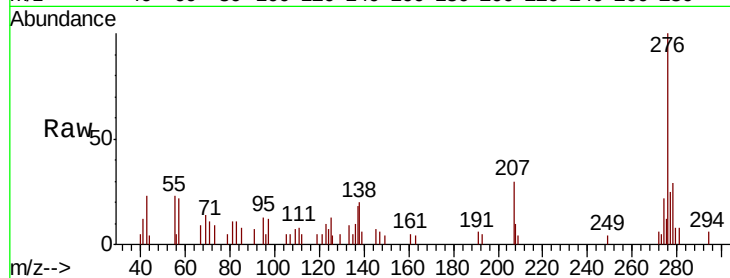




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.779 ng
 RT: 17.26 min Scan# 2579
 Delta R.T. 0.02 min
 Lab File: BF110930.D
 Acq: 21 Nov 2018 16:05

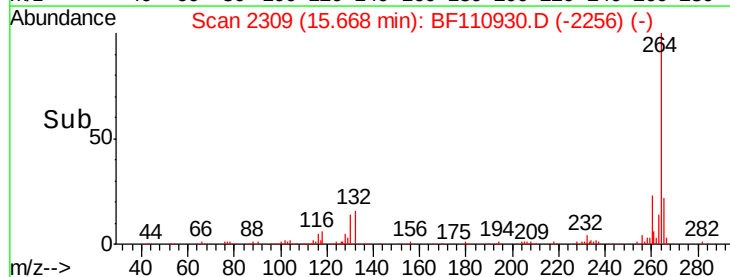
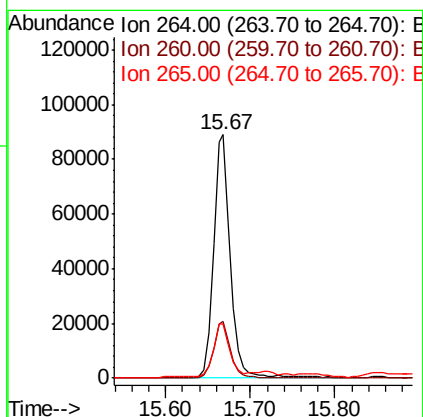
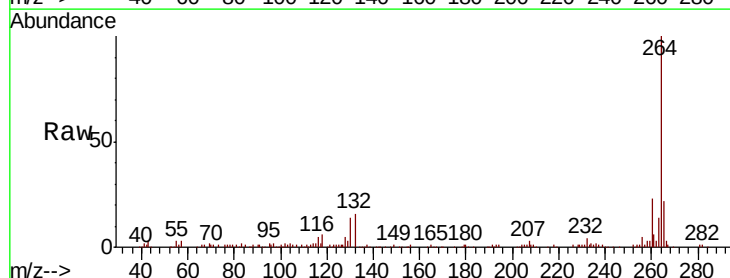
Instrument :
 BNA_F
 ClientSampleId :
 VW-RO-294-CON

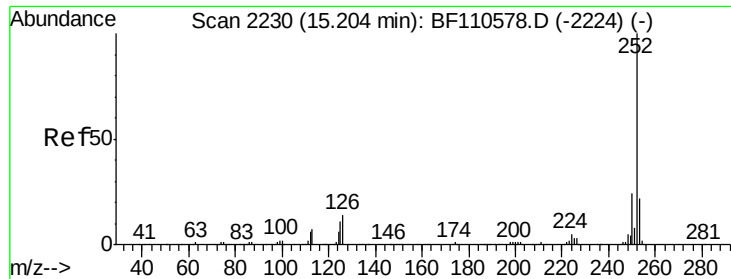
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.7	18.5	27.7
277	26.9	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. 0.01 min
 Lab File: BF110930.D
 Acq: 21 Nov 2018 16:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	22.0	16.7	25.1

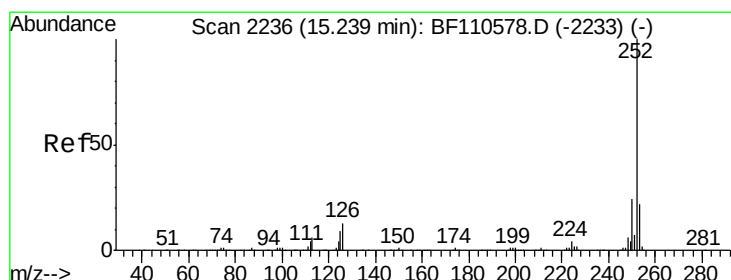
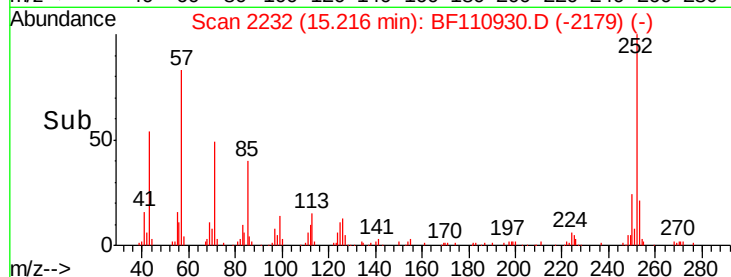
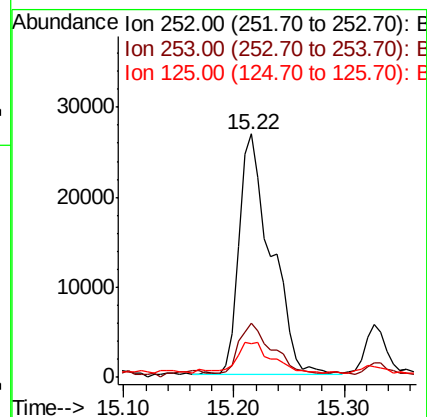
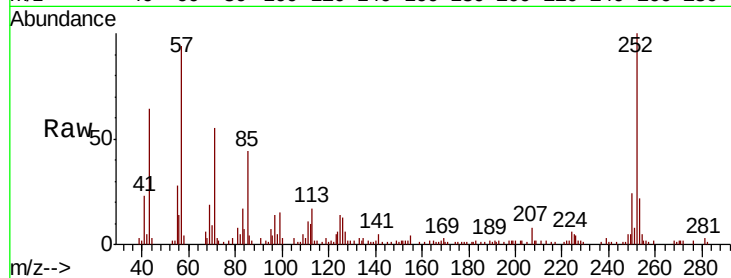




#88
Benzo(b)fluoranthene
Concen: 7.255 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

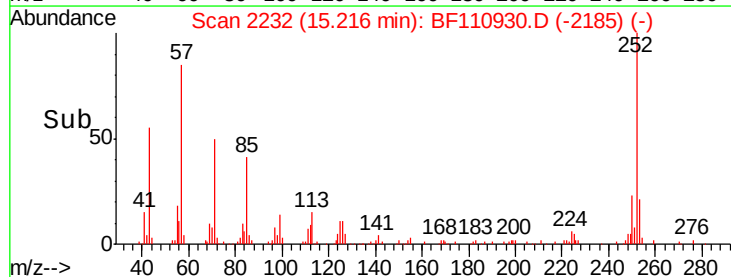
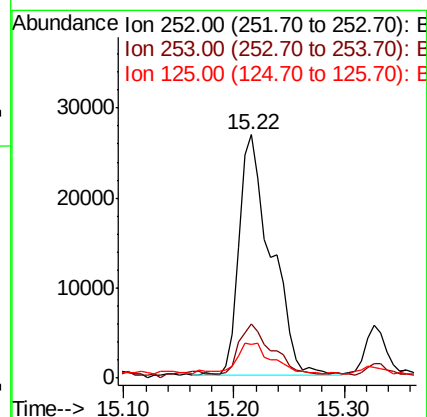
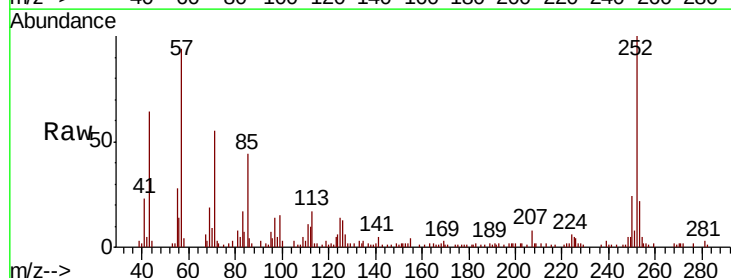
Instrument :
BNA_F
ClientSampleId :
VW-RO-294-CON

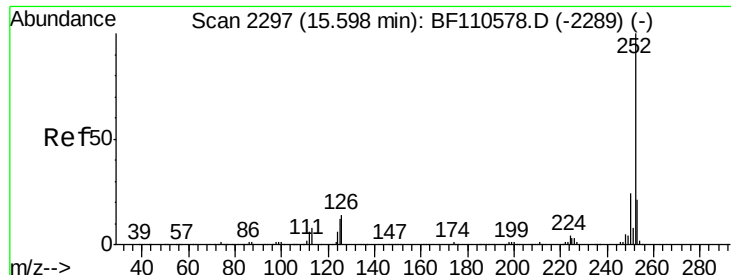
Tgt Ion:252 Resp: 54263
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 13.9 8.2 12.4#



#89
Benzo(k)fluoranthene
Concen: 7.342 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Tgt Ion:252 Resp: 54263
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 13.9 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 5.102 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Instrument :

BNA_F

ClientSampleId :

VW-RO-294-CON

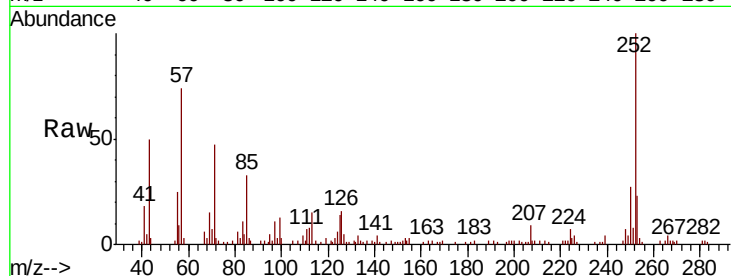
Tgt Ion:252 Resp: 34674

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.4

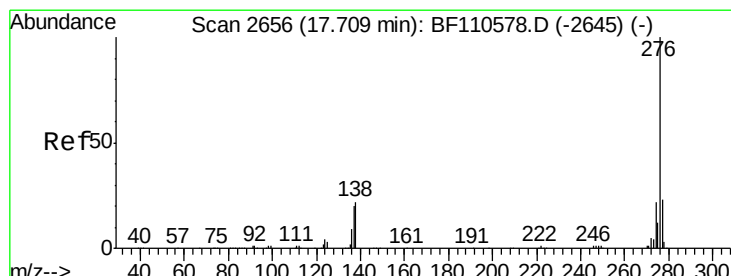
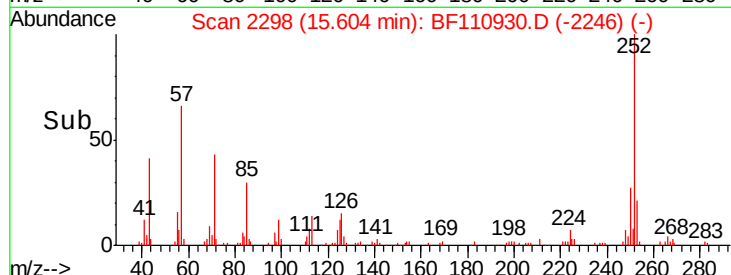
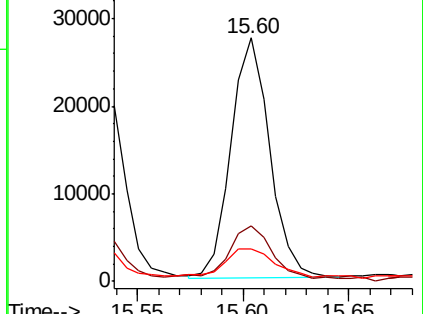
125 13.5 9.0 13.6



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: 2.722 ng

RT: 17.74 min Scan# 2661

Delta R.T. 0.03 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

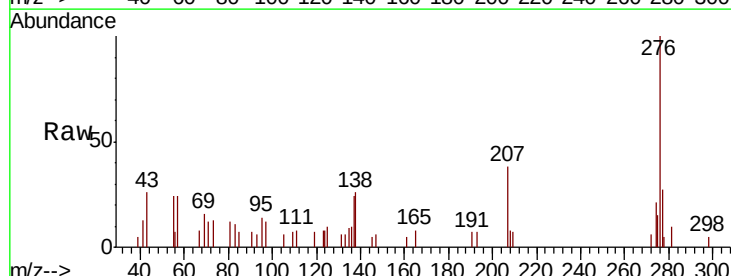
Tgt Ion:276 Resp: 15535

Ion Ratio Lower Upper

276 100

277 26.6 18.8 28.2

138 25.8 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

