

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042919\
 Data File : BF114028.D
 Acq On : 29 Apr 2019 17:44
 Operator : JU/SJ
 Sample : K2564-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 01:21:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	127917	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	494298	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	252721	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	463006	20.00	ng	0.00
76) Chrysene-d12	14.04	240	322562	20.00	ng	-0.02
87) Perylene-d12	15.53	264	393719	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	591358	79.07	ng	0.00
7) Phenol-d6	6.52	99	772955	82.38	ng	0.00
23) Nitrobenzene-d5	7.45	82	466281	58.24	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	246533	80.08	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	942061	58.30	ng	-0.01
79) Terphenyl-d14	12.99	244	896036	56.95	ng	-0.01

Target Compounds

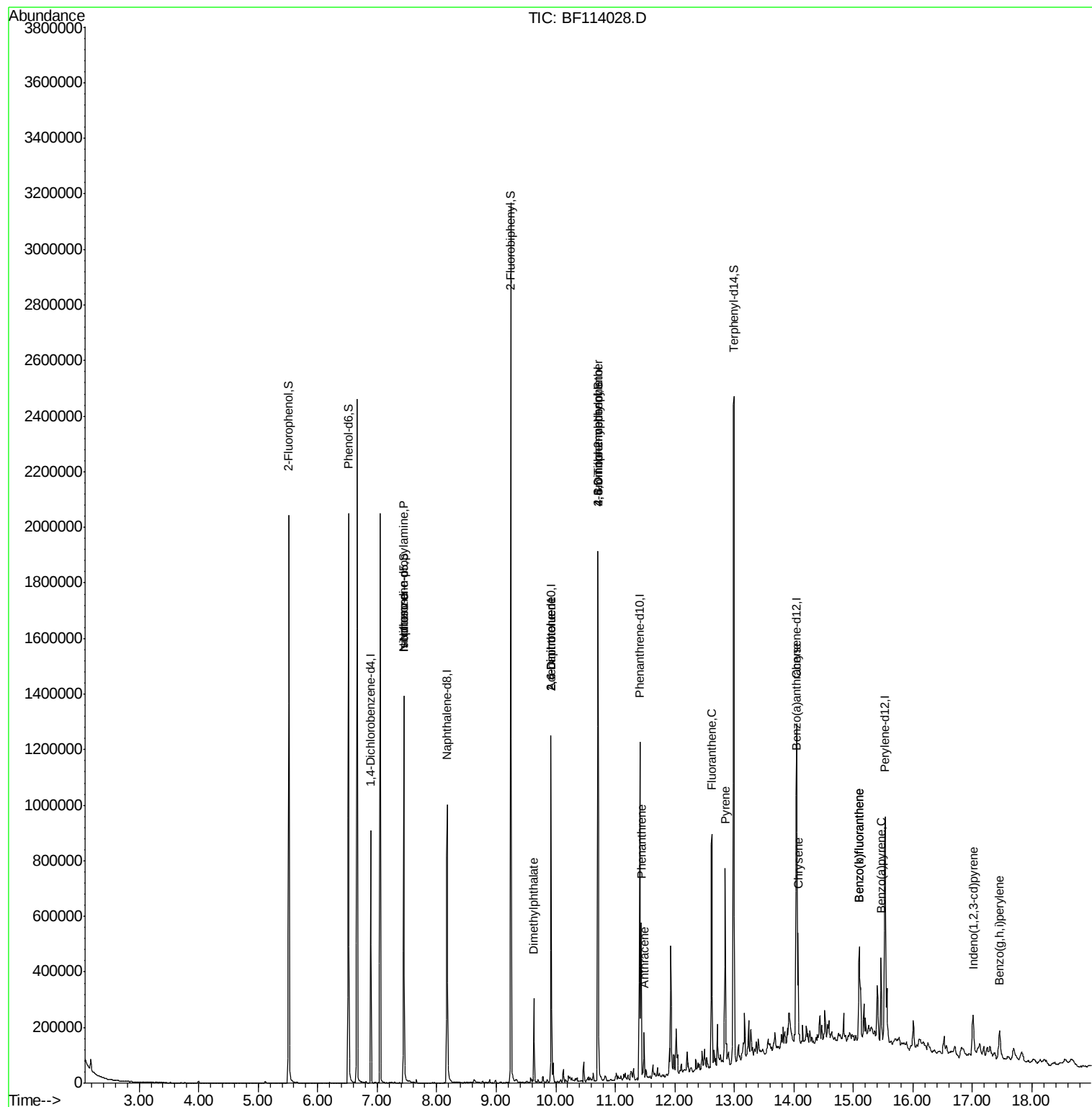
						Qvalue
9) Benzaldehyde	6.66	77	14277	Below Cal		87
19) n-Nitroso-di-n-propylamine	7.45	70	62737	10.325 ng	#	76
25) Isophorone	7.45	82	466277	28.465 ng	#	65
50) Dimethylphthalate	9.63	163	119310	6.528 ng		98
51) 2,6-Dinitrotoluene	9.92	165	32848	8.377 ng	#	33
57) 2,4-Dinitrotoluene	9.92	165	32848	6.637 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.71	198	338	7.443 ng	#	1
67) 4-Bromophenyl-phenylether	10.71	248	15395	2.752 ng	#	1
71) Phenanthrene	11.43	178	225860	9.707 ng		98
72) Anthracene	11.48	178	64370	2.739 ng		97
75) Fluoranthene	12.62	202	342357	13.486 ng		95
78) Pyrene	12.84	202	302295	13.401 ng		97
81) Benzo(a)anthracene	14.03	228	181350	9.542 ng		99
83) Chrysene	14.07	228	151843	8.204 ng		96
86) Indeno(1,2,3-cd)pyrene	17.01	276	97767	5.576 ng		93
88) Benzo(b)fluoranthene	15.10	252	274920	11.036 ng		99
89) Benzo(k)fluoranthene	15.10	252	274920	12.830 ng		99
90) Benzo(a)pyrene	15.47	252	157981	7.332 ng		99
92) Benzo(a,h,i)perylene	17.45	276	89129	4.367 ng		96

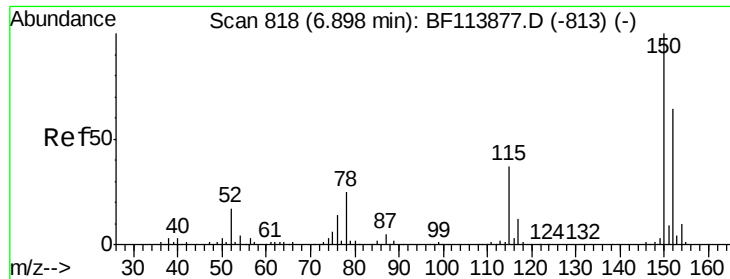
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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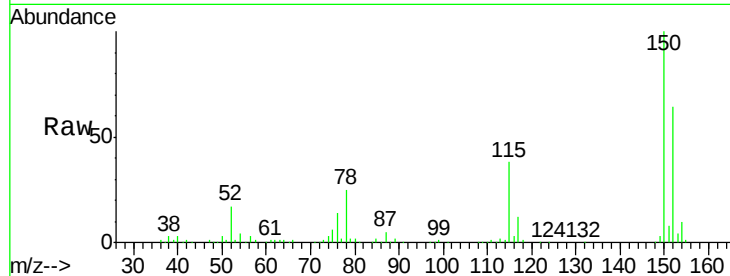


#1

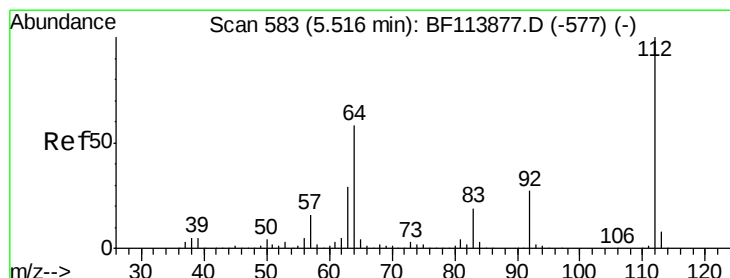
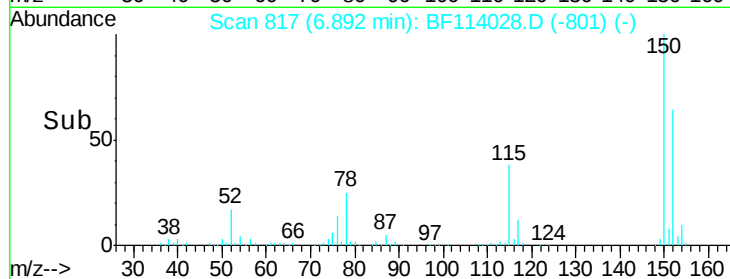
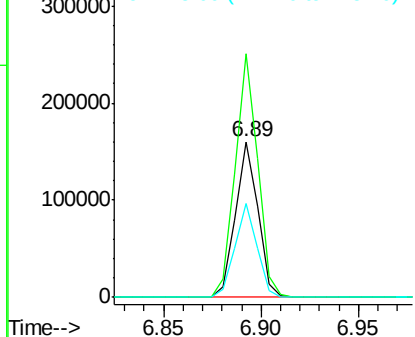
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.9	188.9
115	60.1	45.9	68.9



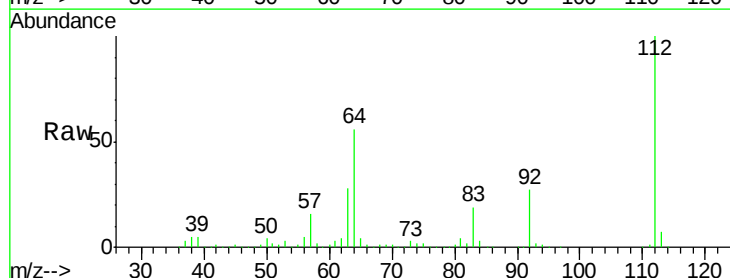
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



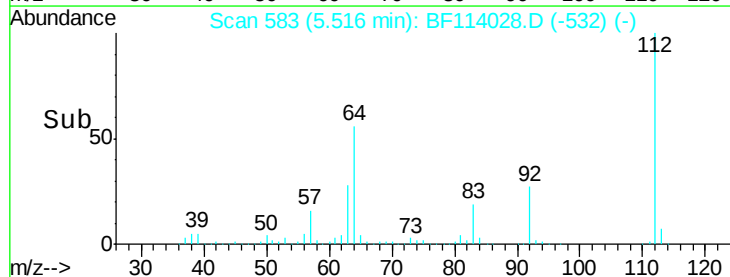
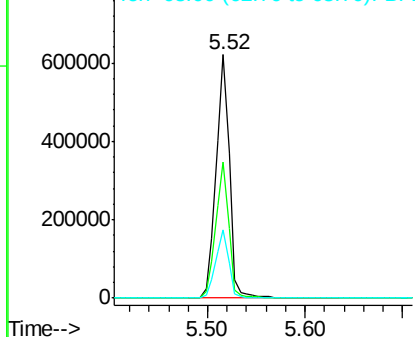
#5

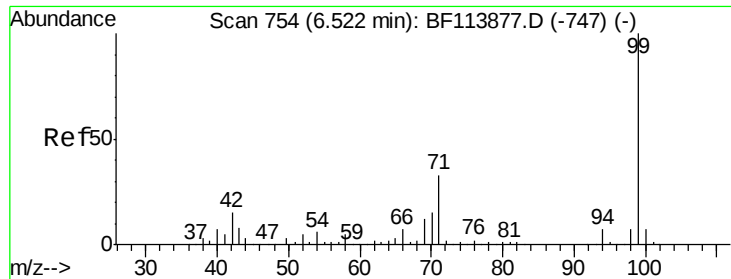
2-Fluorophenol
Concen: 79.069 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.6	69.8
63	27.9	23.1	34.7



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: 82.376 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Instrument :

BNA_F

ClientSampled :

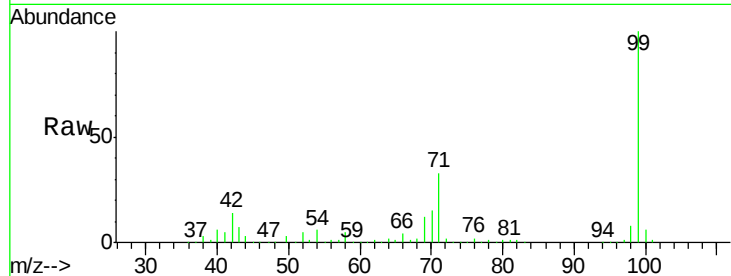
Tot Ion: 99 Resp: 772955

Ion Ratio Lower Upper

99 100

42 14.3 12.5 18.7

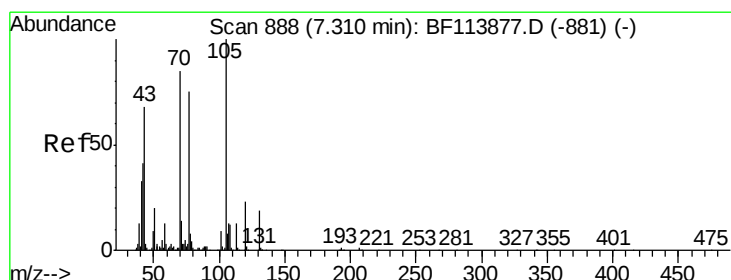
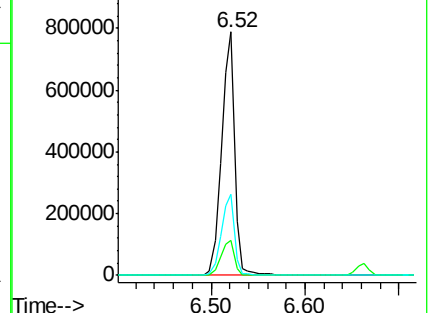
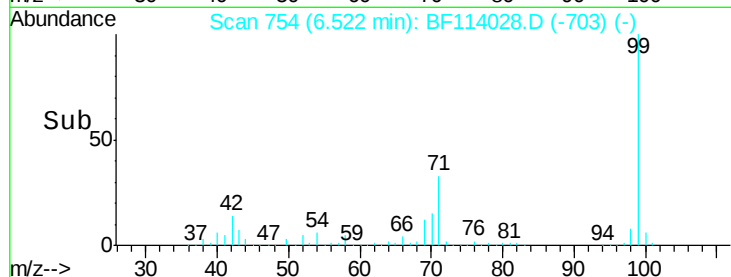
71 33.3 26.9 40.3



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: 10.325 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Tgt Ion: 70 Resp: 62737

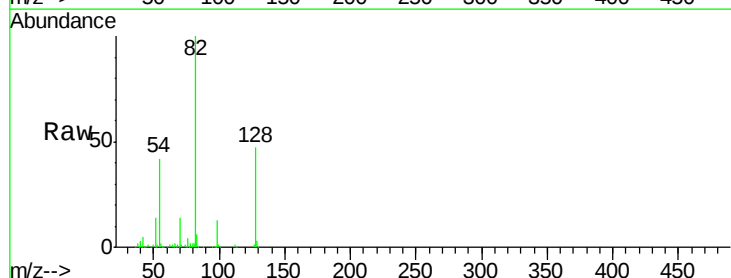
Ion Ratio Lower Upper

70 100

42 37.1 37.3 55.9#

101 0.0 7.8 11.8#

130 2.3 18.2 27.2#

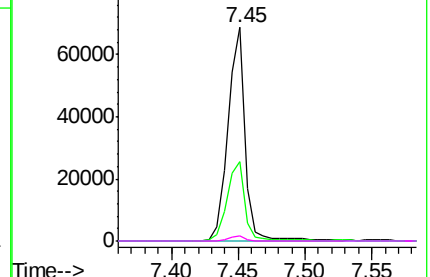
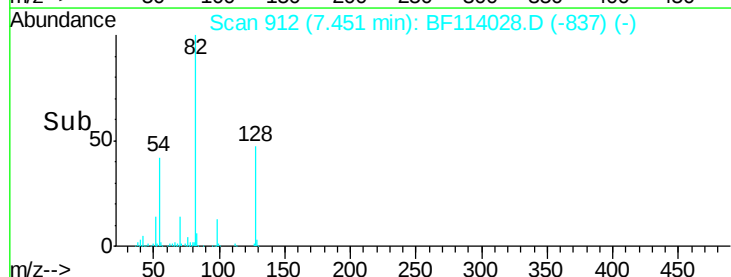


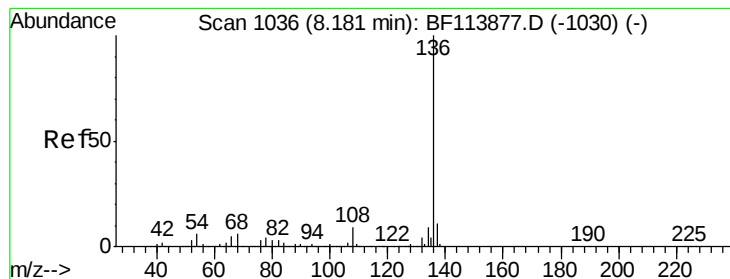
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 494298

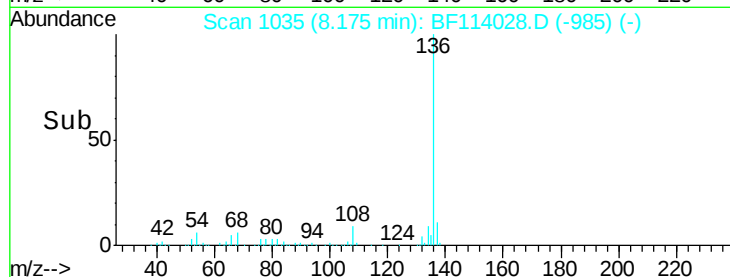
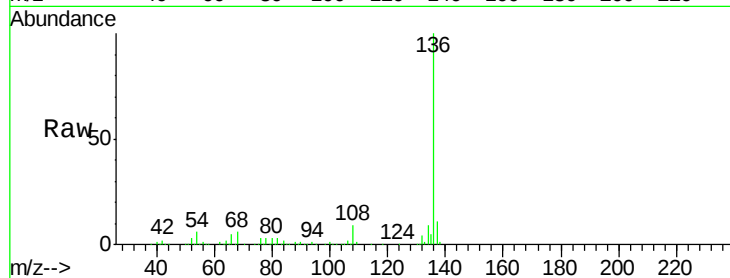
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 5.9 5.0 7.6

68 5.7 4.9 7.3

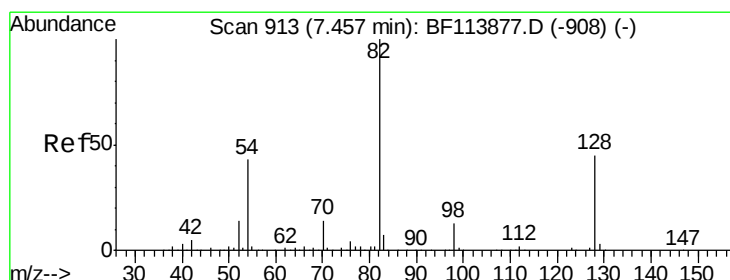
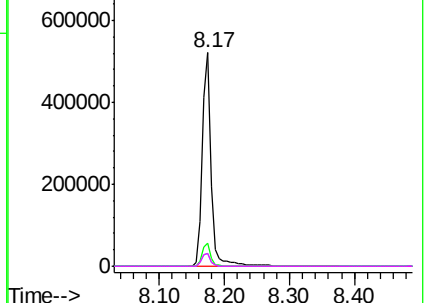


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.244 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

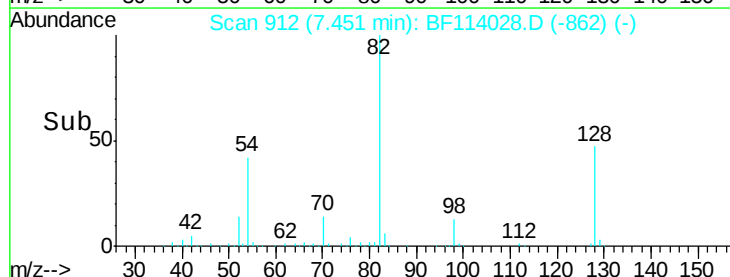
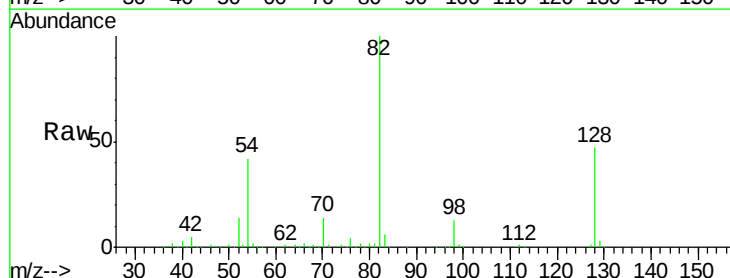
Tgt Ion: 82 Resp: 466281

Ion Ratio Lower Upper

82 100

128 47.4 36.8 55.2

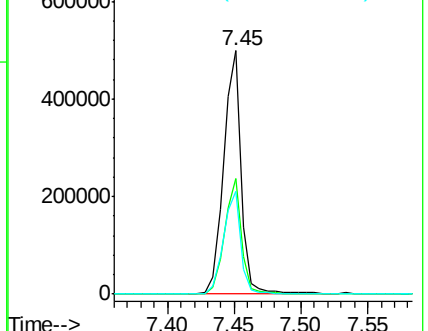
54 42.1 33.8 50.6



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: 28.465 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Instrument :

BNA_F

ClientSampleId :

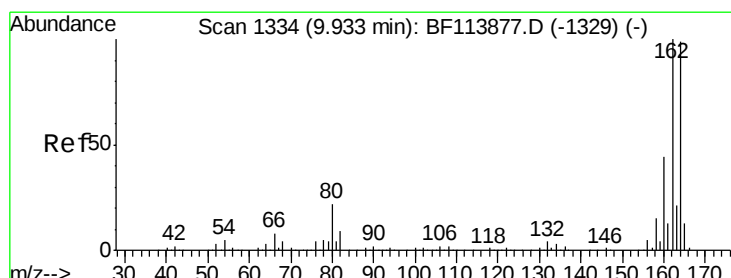
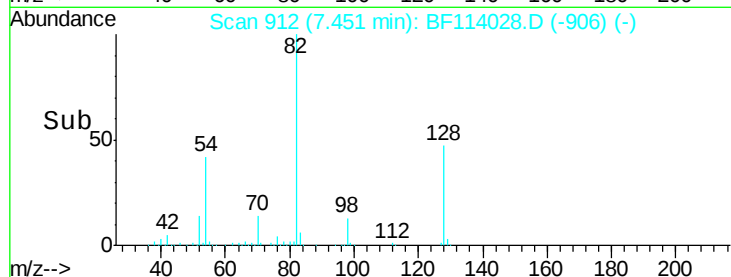
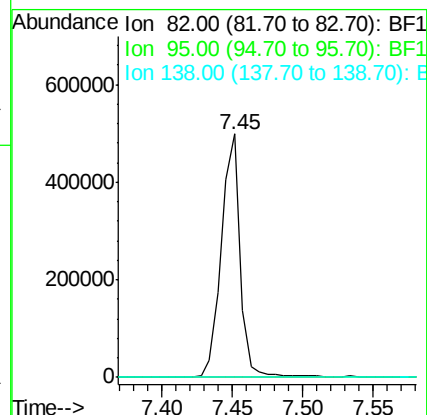
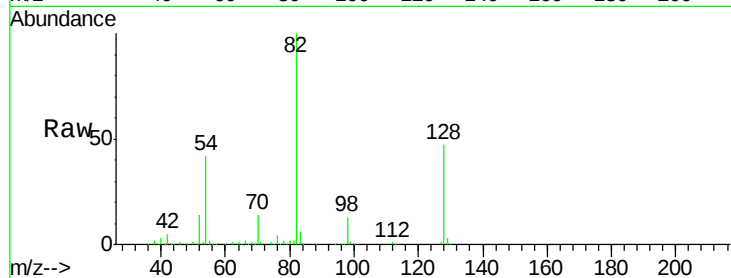
Tot Ion: 82 Resp: 466277

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

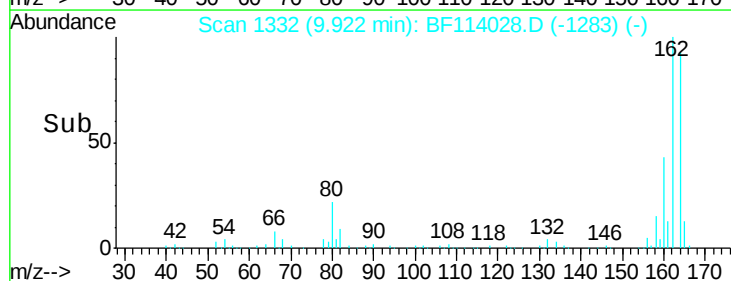
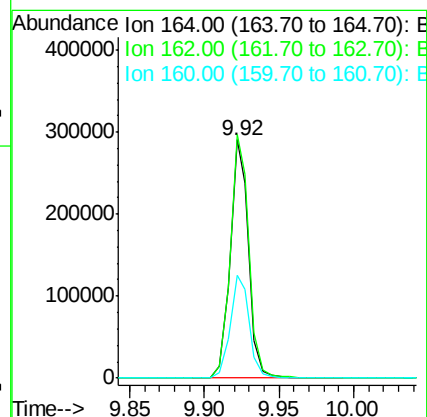
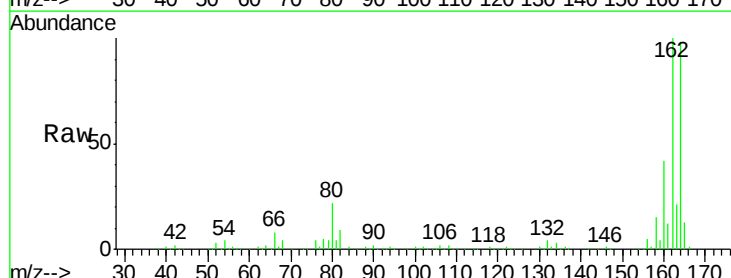
Tgt Ion:164 Resp: 252721

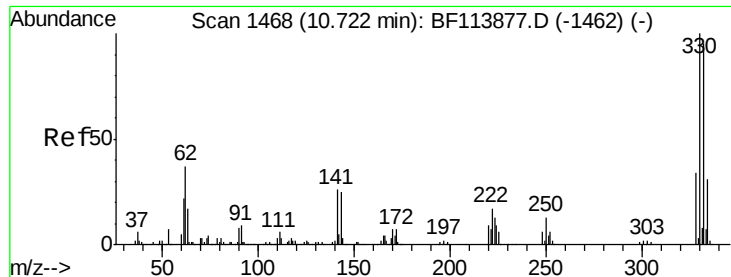
Ion Ratio Lower Upper

164 100

162 102.2 81.1 121.7

160 43.4 35.8 53.6

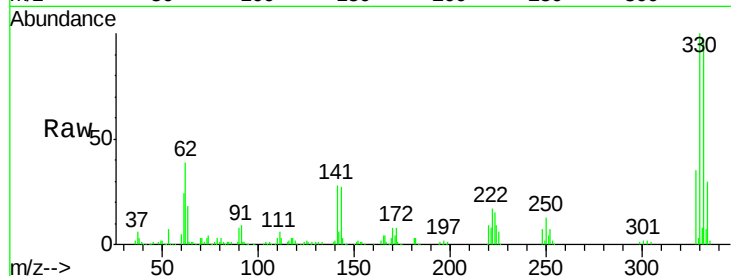




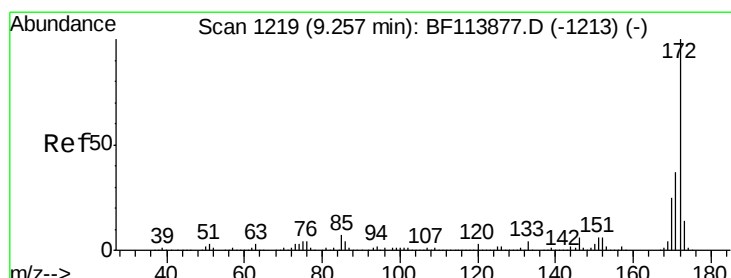
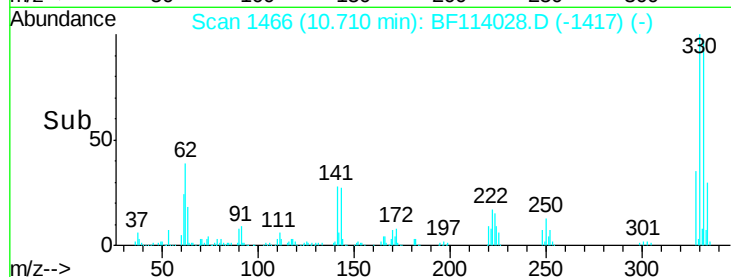
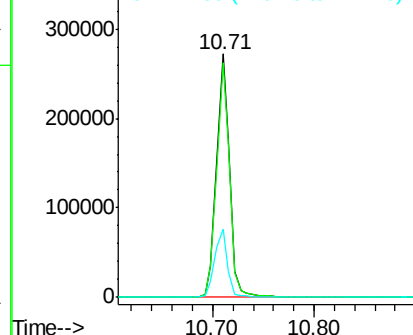
#42
 2,4,6-Tribromophenol
 Concen: 80.078 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.5	116.3
141	27.7	22.2	33.2

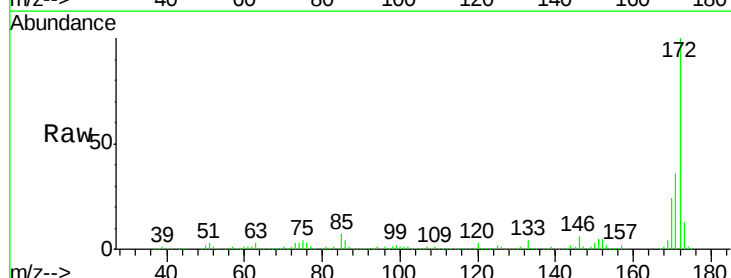


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

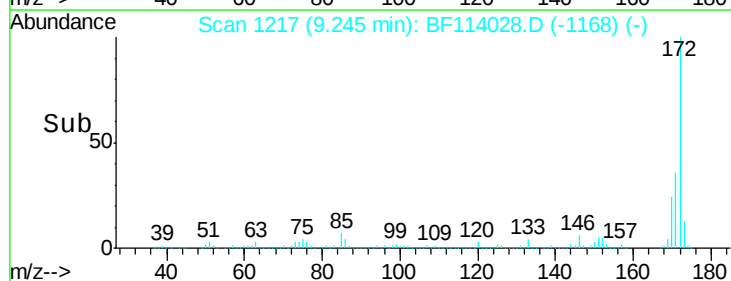
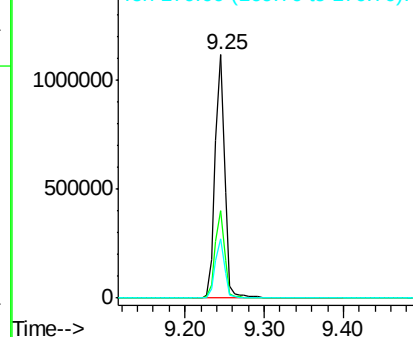


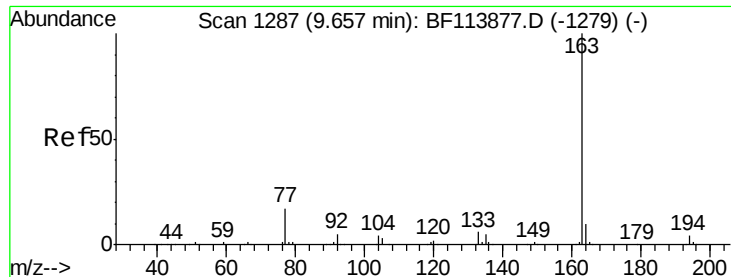
#45
 2-Fluorobiphenyl
 Concen: 58.302 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.1	19.9	29.9



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





#50

Dimethylphthalate

Concen: 6.528 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Instrument :

BNA_F

ClientSampleId :

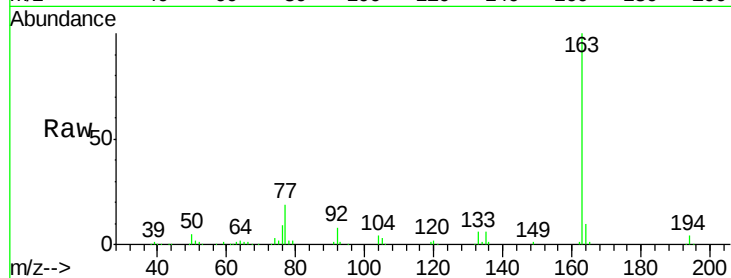
Tot Ion:163 Resp: 119310

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

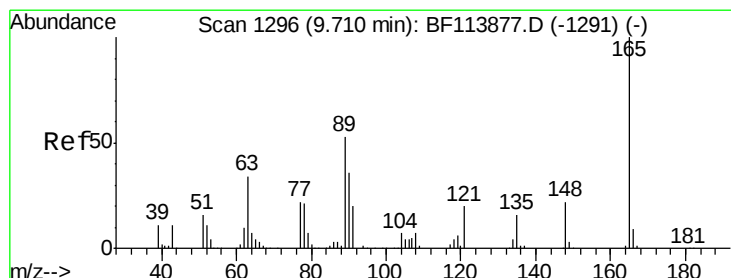
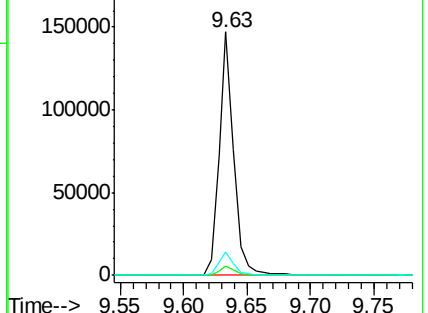
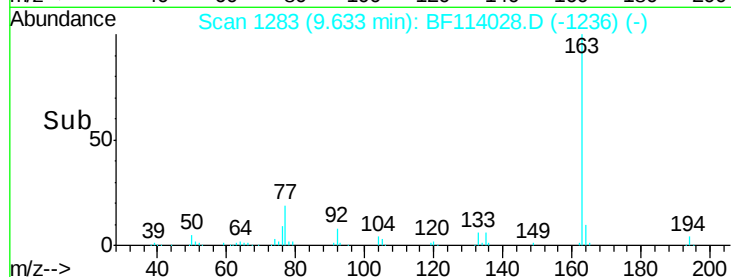
164 9.7 8.5 12.7



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: 8.377 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.21 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

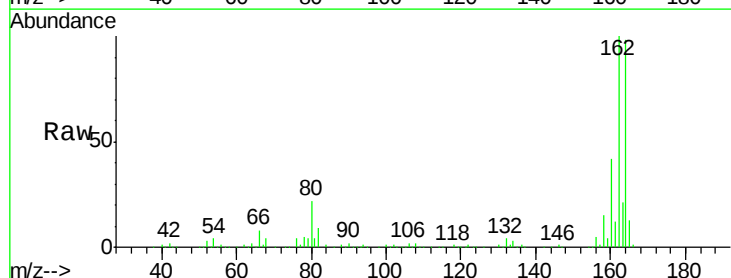
Tgt Ion:165 Resp: 32848

Ion Ratio Lower Upper

165 100

63 1.3 33.8 50.8#

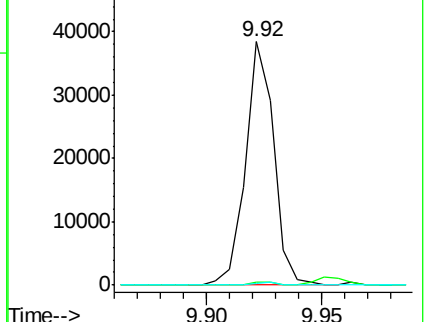
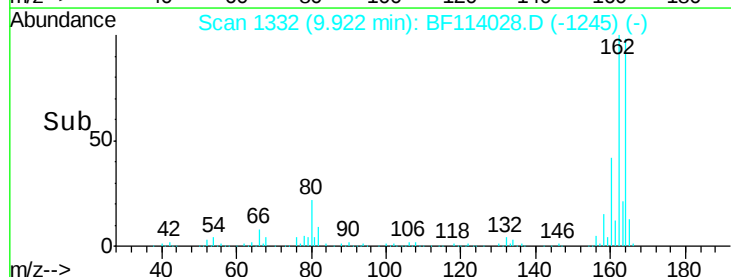
89 0.9 38.2 57.2#

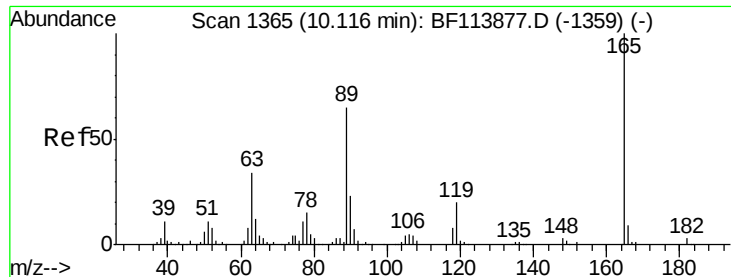


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

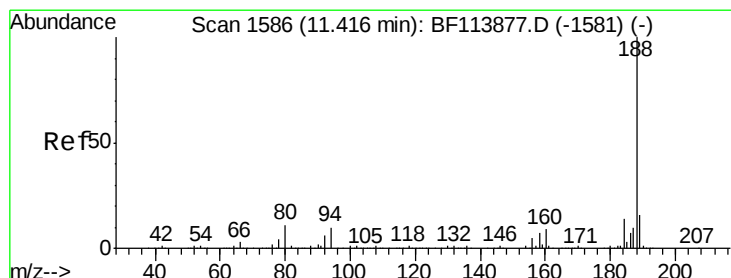
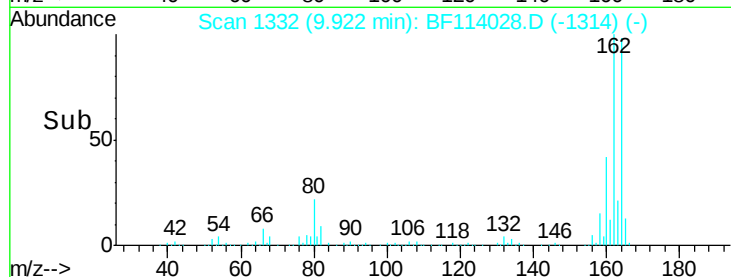
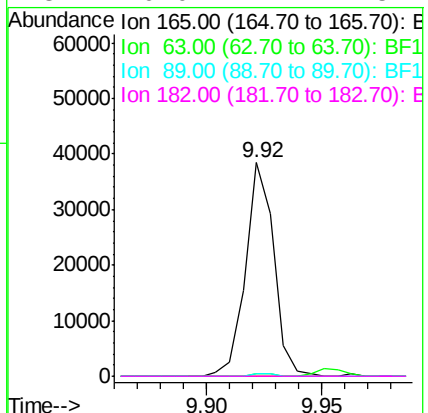
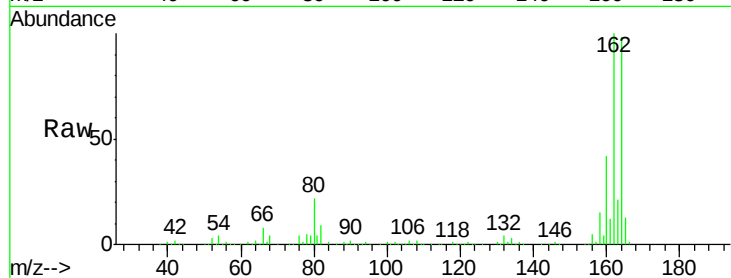




#57
 2,4-Dinitrotoluene
 Concen: 6.637 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

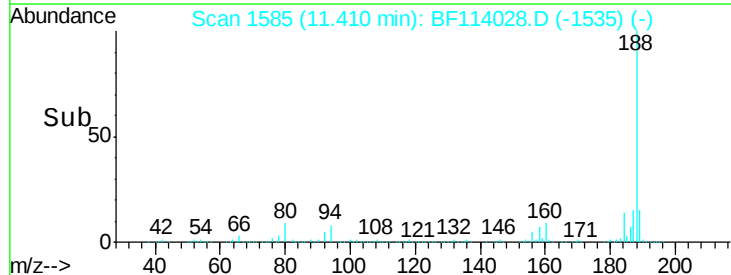
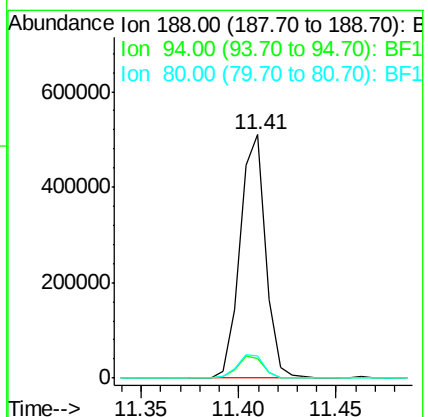
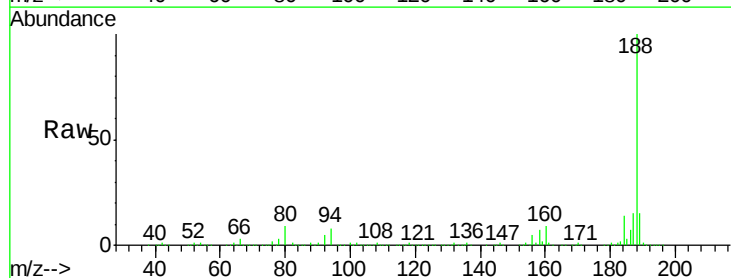
Instrument :
 BNA_F
 ClientSampleId :

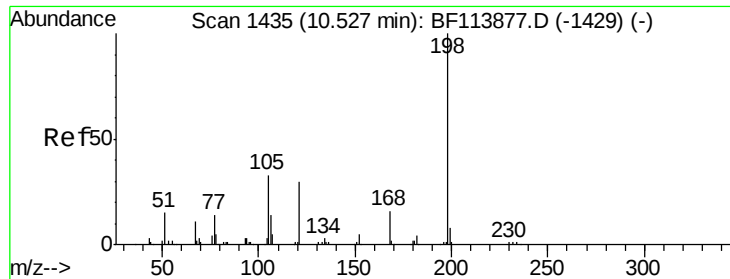
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.4	41.0#
89	0.9	51.8	77.6#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.2	12.4
80	9.2	9.0	13.6

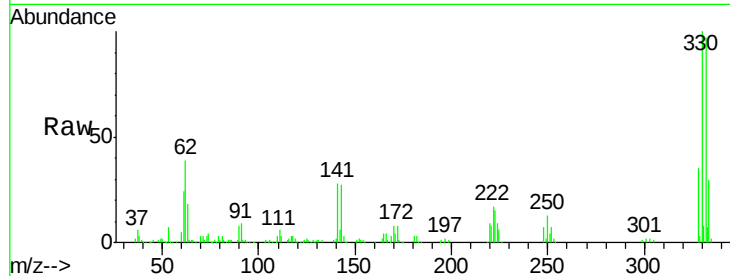




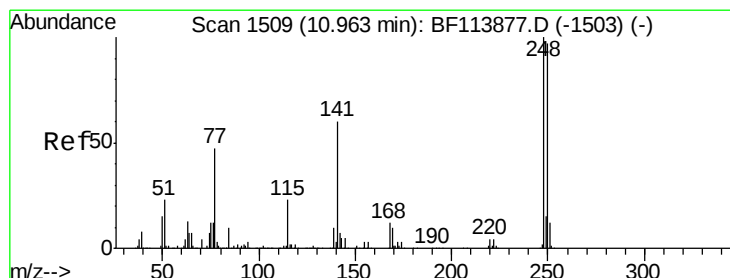
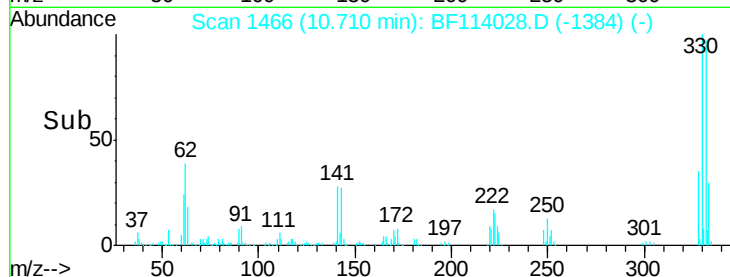
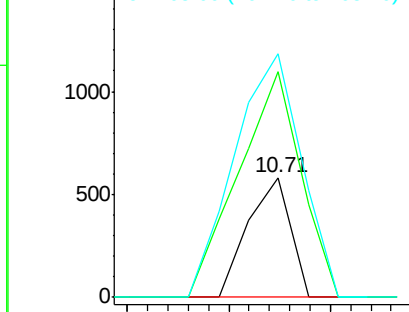
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.443 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.18 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	188.5	11.1	51.1#
105	203.6	20.7	60.7#

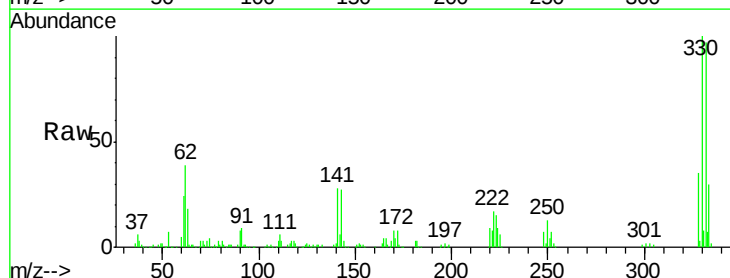


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

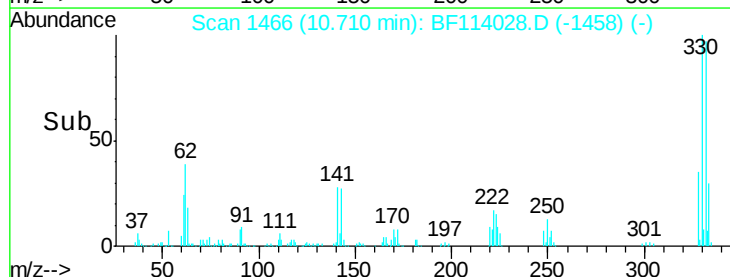
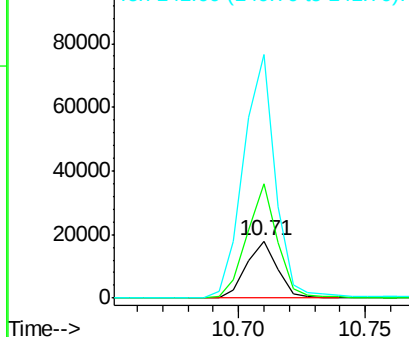


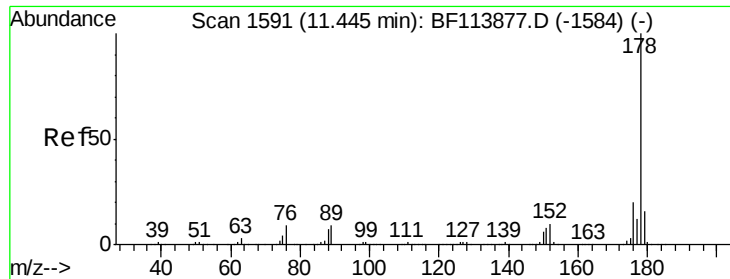
#67
 4-Bromophenyl-phenylether
 Concen: 2.752 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.8	75.8	113.6#
141	427.9	50.2	75.4#



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

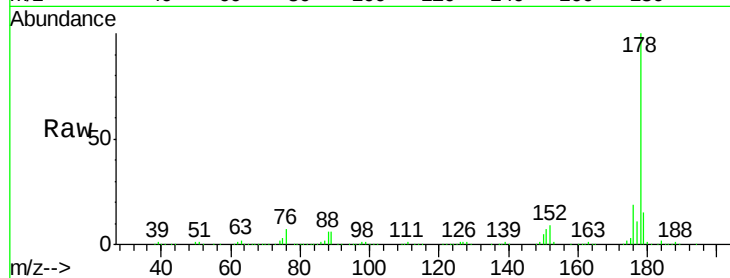




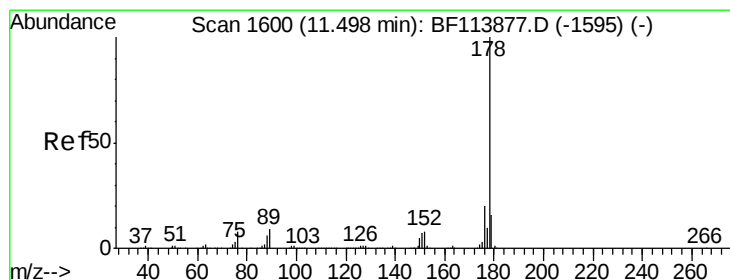
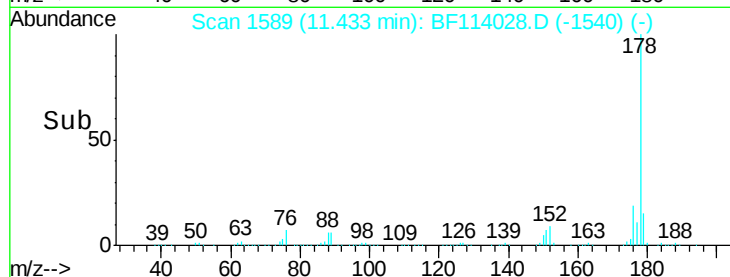
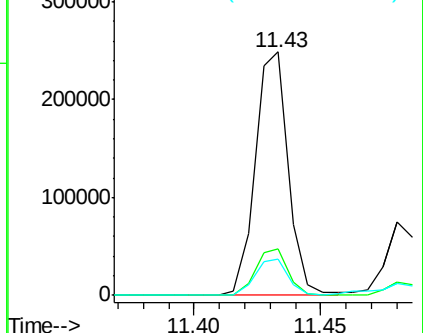
#71
Phenanthrene
Concen: 9.707 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 225860
Ion Ratio Lower Upper
178 100
176 19.2 16.1 24.1
179 14.8 12.8 19.2

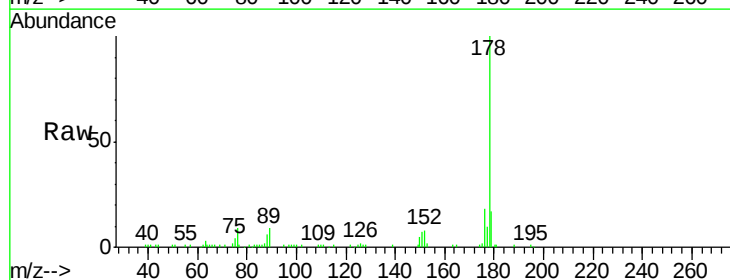


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

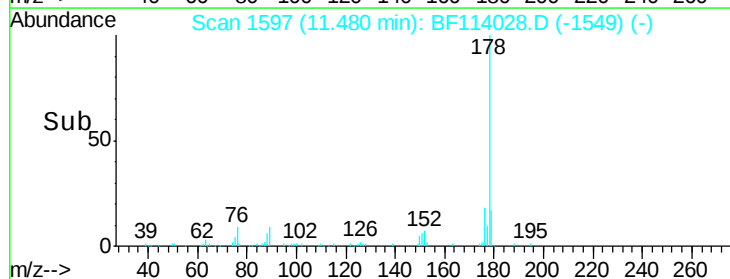
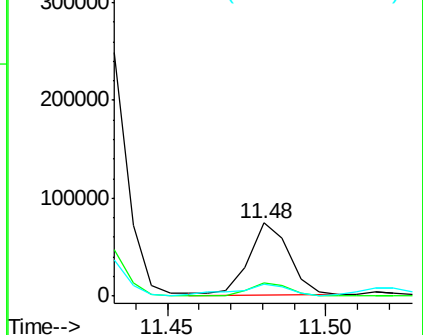


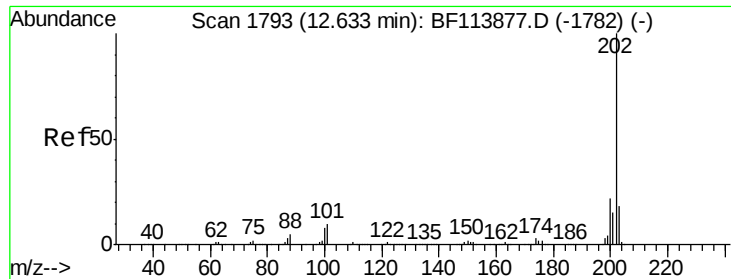
#72
Anthracene
Concen: 2.739 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.02 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Tgt Ion:178 Resp: 64370
Ion Ratio Lower Upper
178 100
176 18.0 15.7 23.5
179 16.8 13.0 19.4



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: 13.486 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Instrument :

BNA_F

ClientSampleId :

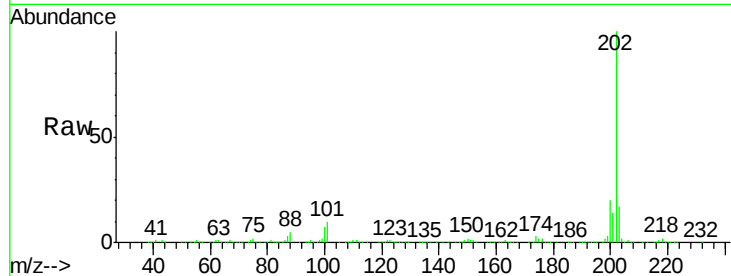
Tot Ion:202 Resp: 342357

Ion Ratio Lower Upper

202 100

101 9.6 0.0 32.9

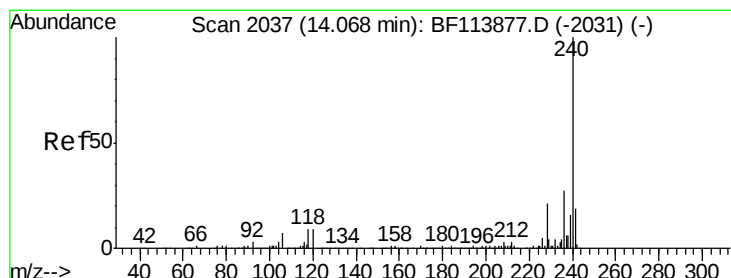
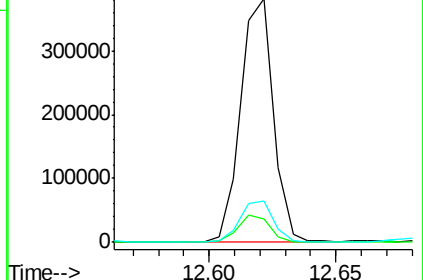
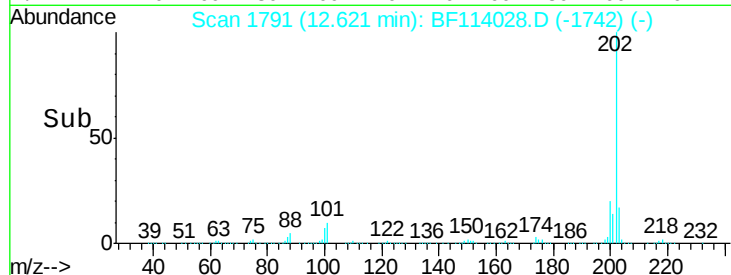
203 17.2 0.0 38.2



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: 14.04 min Scan# 2033

Delta R.T. -0.02 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

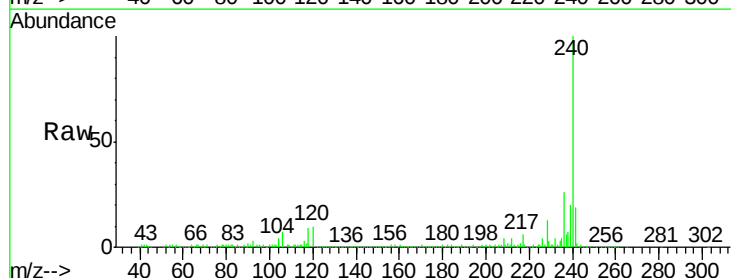
Tgt Ion:240 Resp: 322562

Ion Ratio Lower Upper

240 100

120 9.9 9.3 13.9

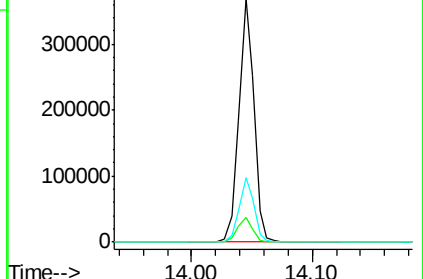
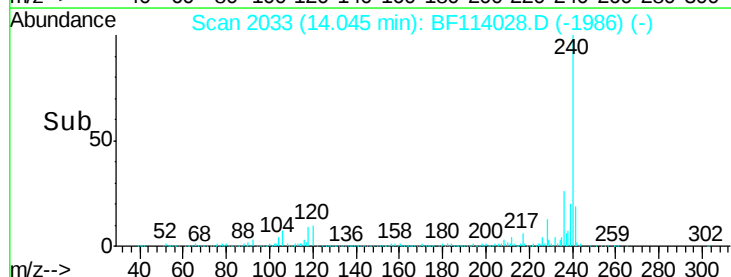
236 26.3 21.2 31.8

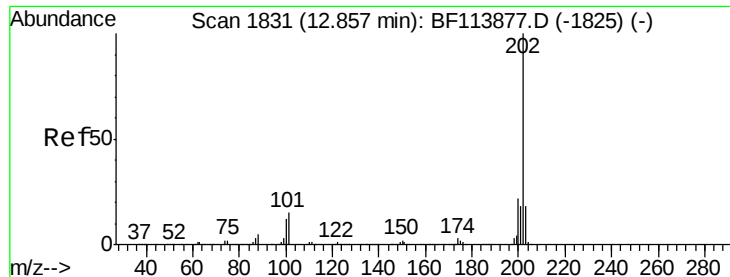


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

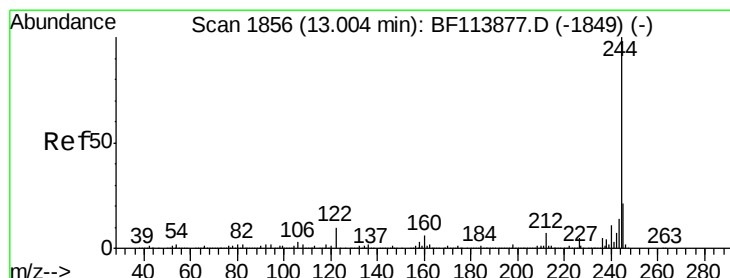
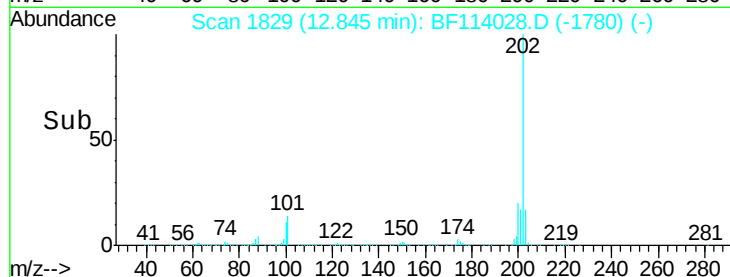
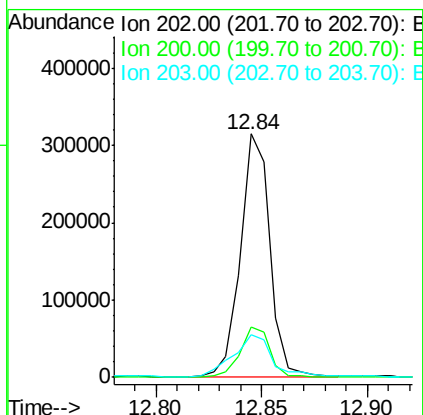
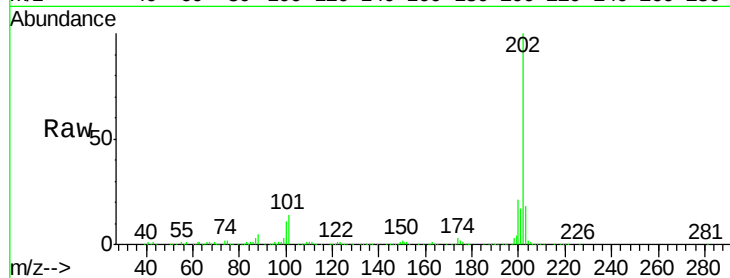




#78
Pvrene
Concen: 13.401 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

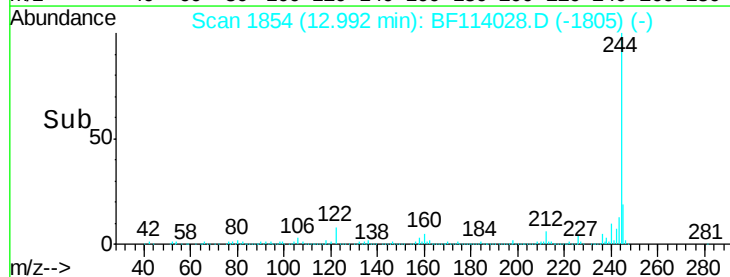
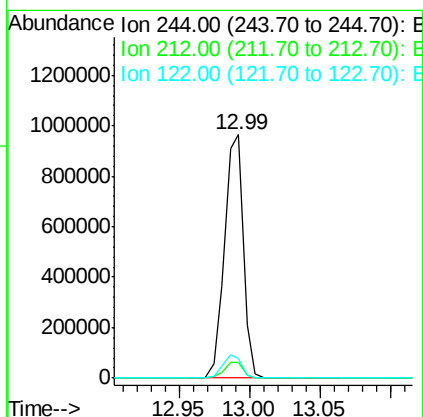
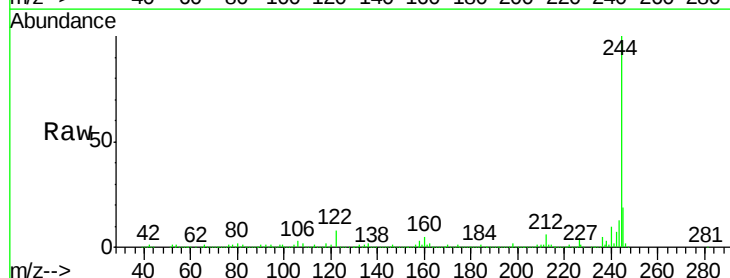
Instrument :
BNA_F
ClientSampleId :

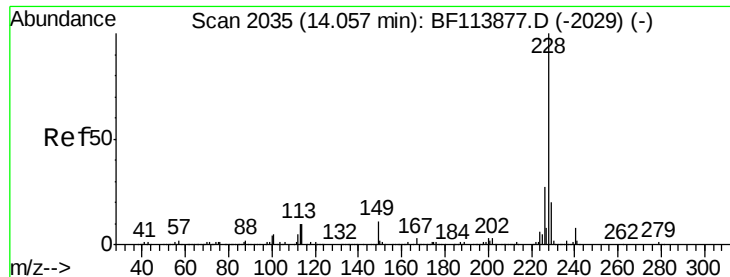
Tot Ion:202 Resp: 302295
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 17.7 15.0 22.6



#79
Terphenyl-d14
Concen: 56.950 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Tgt Ion:244 Resp: 896036
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.2
122 8.2 7.6 11.4

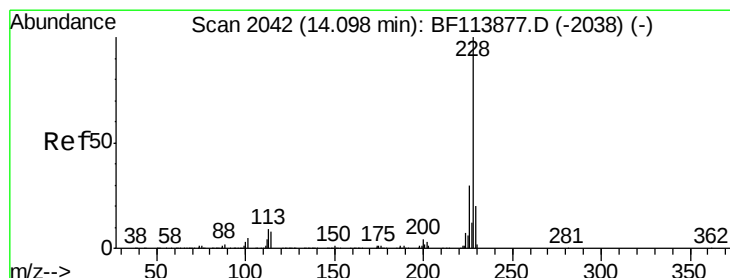
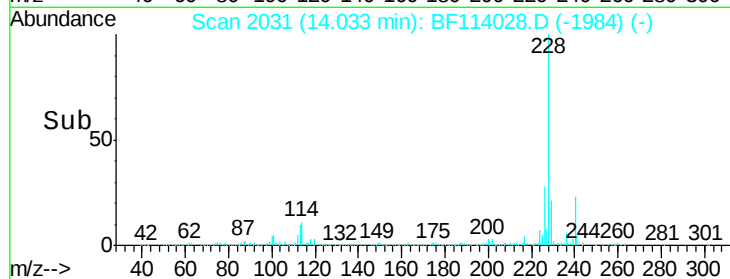
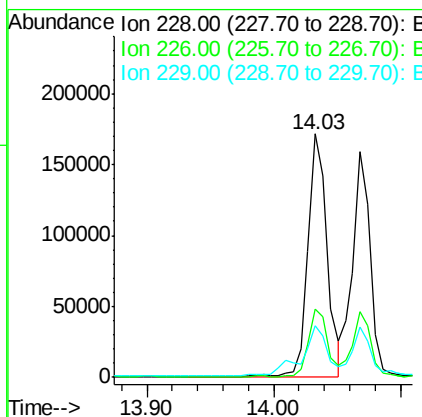
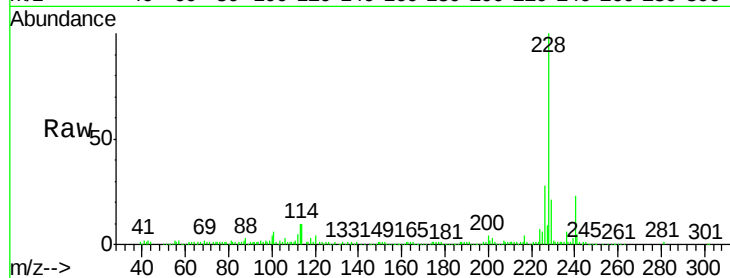




#81
Benzo(a)anthracene
Concen: 9.542 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

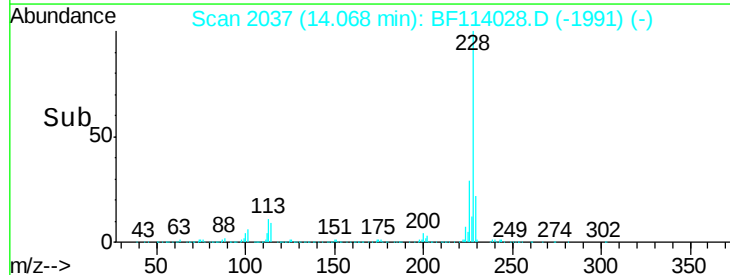
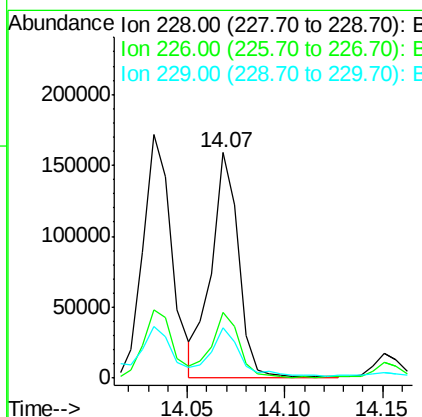
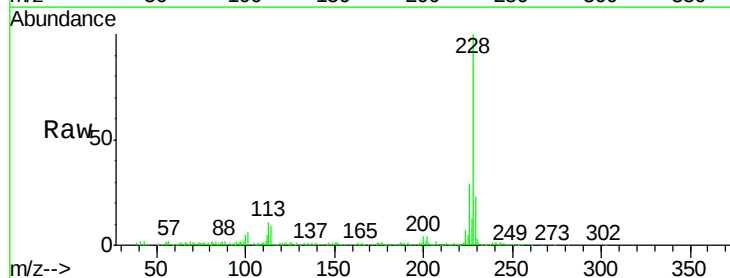
Instrument :
BNA_F
ClientSampleId :

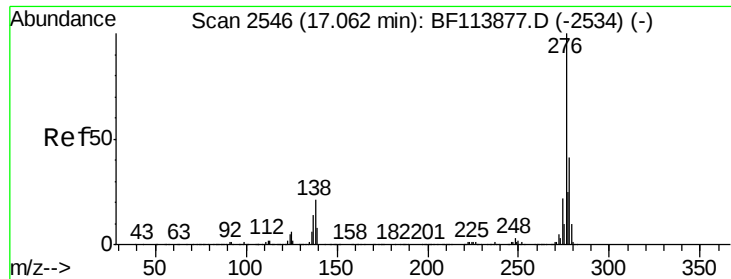
Tot Ion:228 Resp: 181350
Ion Ratio Lower Upper
228 100
226 28.0 22.2 33.2
229 21.3 16.0 24.0



#83
Chrysene
Concen: 8.204 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.03 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Tgt Ion:228 Resp: 151843
Ion Ratio Lower Upper
228 100
226 29.3 25.2 37.8
229 22.6 16.7 25.1

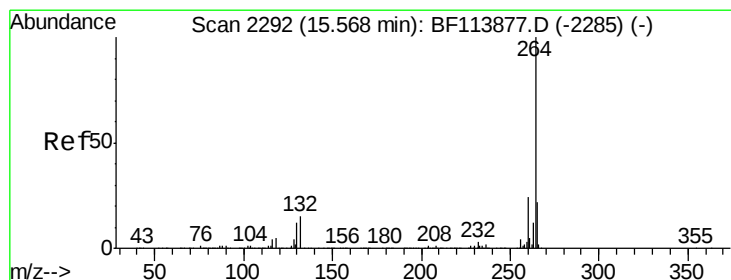
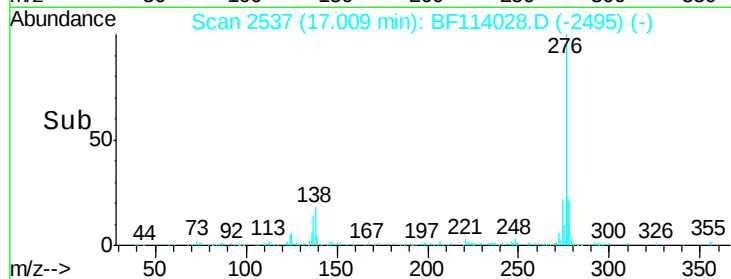
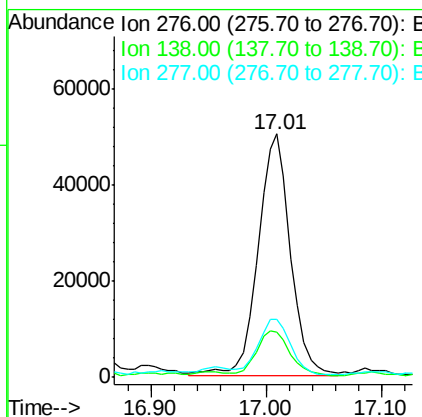
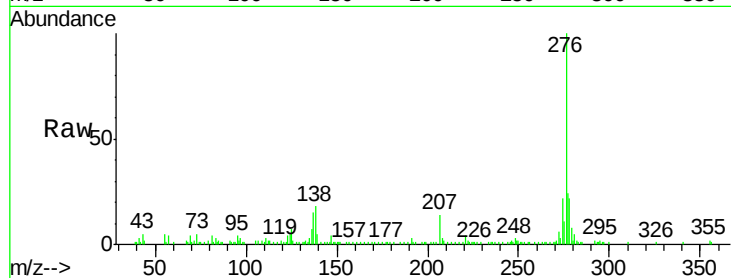




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.576 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. -0.05 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

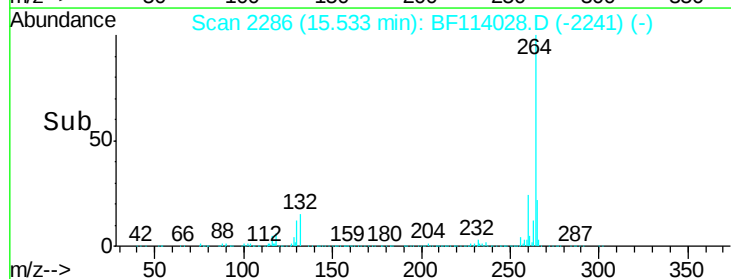
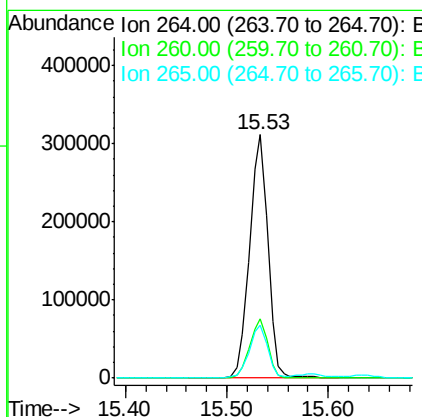
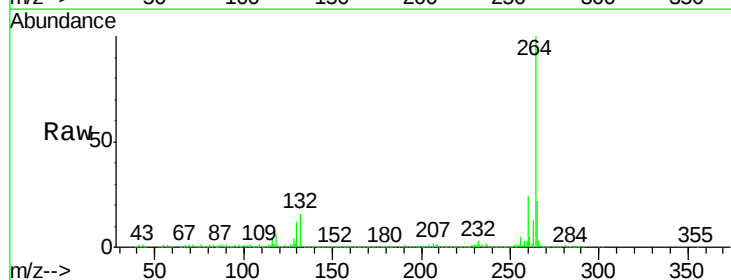
Instrument :
 BNA_F
 ClientSampleId :

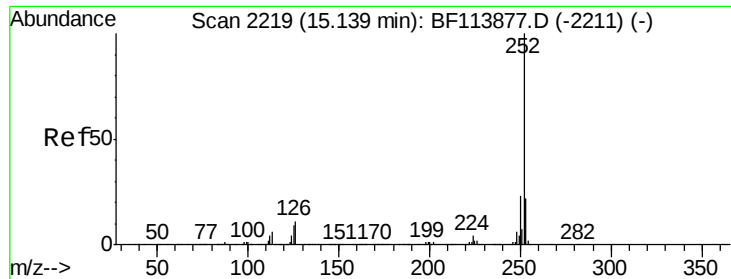
Tot Ion:276 Resp: 97767
 Ion Ratio Lower Upper
 276 100
 138 19.8 19.6 29.4
 277 22.9 20.2 30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. -0.04 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Tgt Ion:264 Resp: 393719
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.9 28.3
 265 21.9 17.3 25.9

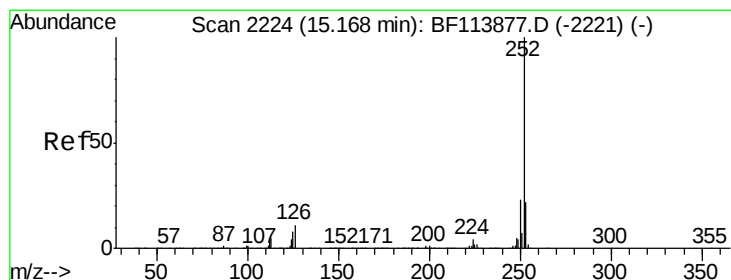
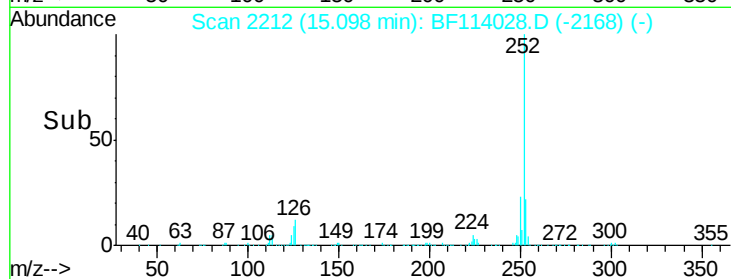
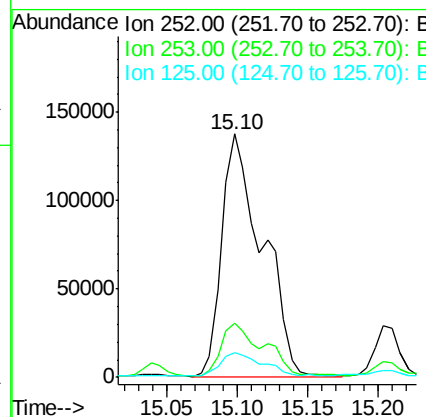
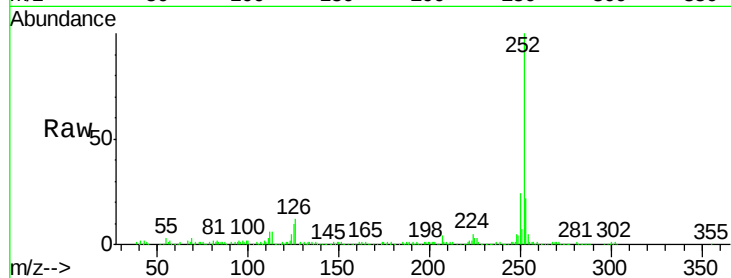




#88
Benzo(b)fluoranthene
Concen: 11.036 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

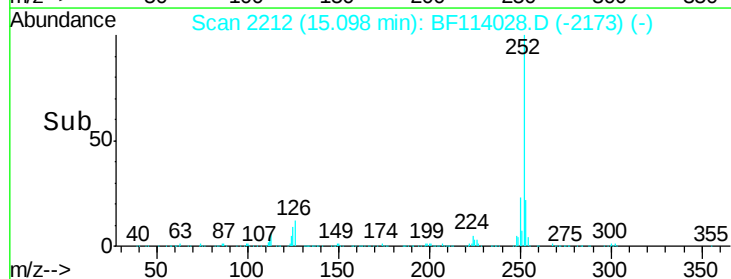
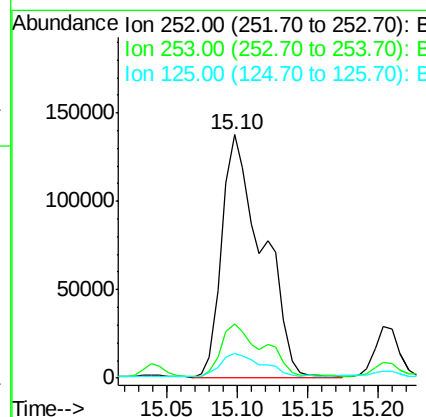
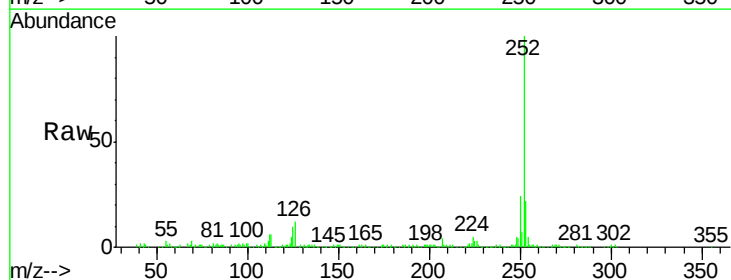
Instrument :
BNA_F
ClientSampleId :

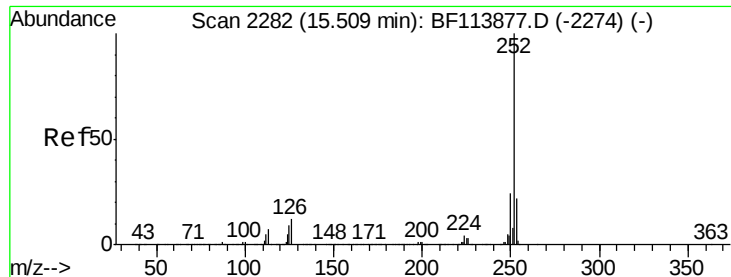
Tot Ion:252 Resp: 274920
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 9.9 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 12.830 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.07 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Tgt Ion:252 Resp: 274920
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 9.9 7.4 11.2





#90

Benzo(a)pyrene

Concen: 7.332 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.04 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Instrument :

BNA_F

ClientSampleId :

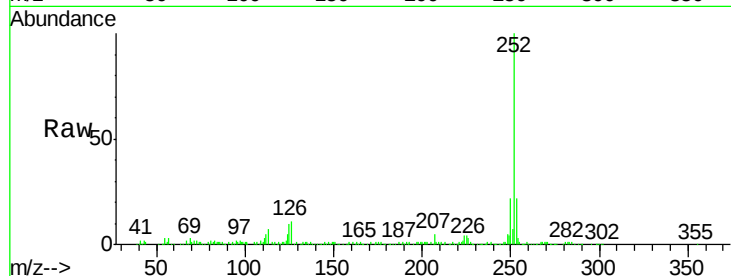
Tot Ion:252 Resp: 157981

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

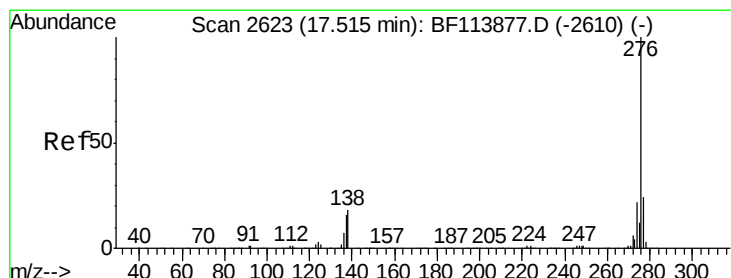
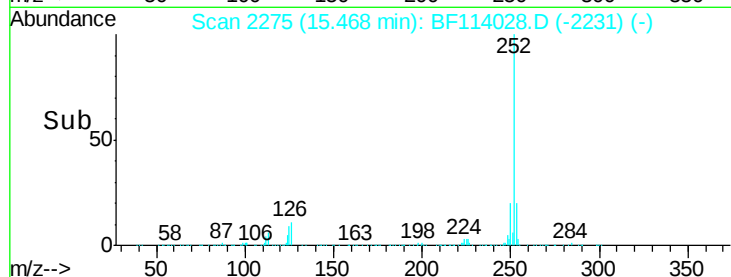
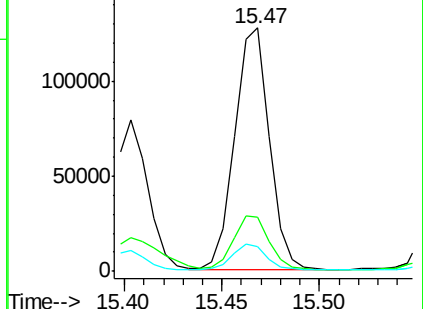
125 10.0 8.5 12.7



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: 4.367 ng

RT: 17.45 min Scan# 2612

Delta R.T. -0.06 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

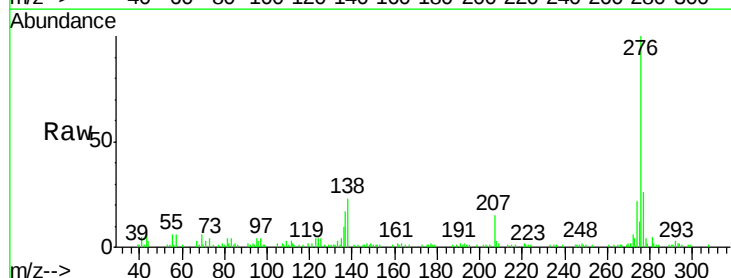
Tgt Ion:276 Resp: 89129

Ion Ratio Lower Upper

276 100

277 25.8 19.0 28.4

138 22.8 16.6 25.0



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

