

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110125.D
 Acq On : 24 Oct 2018 19:55
 Operator : JU/SJ
 Sample : J5198-29 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 02:14:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

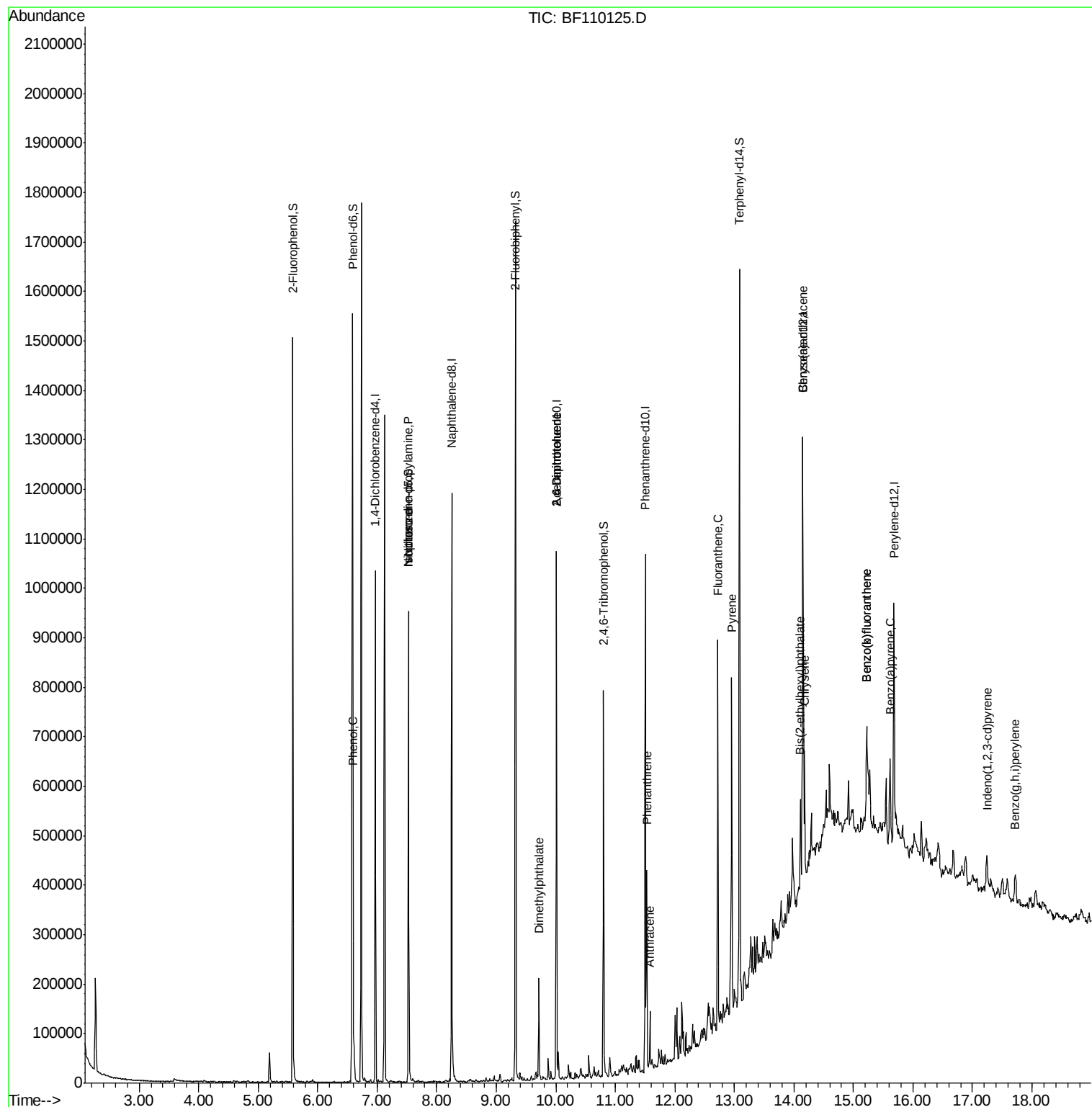
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	136225	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	506118	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	197969	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	343349	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	259691	20.00	ng	-0.01
87) Perylene-d12	15.68	264	185480	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	416800	49.82	ng	-0.02
7) Phenol-d6	6.59	99	501243	46.85	ng	-0.02
23) Nitrobenzene-d5	7.53	82	273104	32.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	83405	42.53	ng	-0.01
45) 2-Fluorobiphenyl	9.32	172	502495	39.86	ng	-0.02
79) Terphenyl-d14	13.09	244	448933	35.95	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	65959	5.767	ng	Qvalue # 60
19) n-Nitroso-di-n-propylamine	7.53	70	35505	5.172	ng	# 78
25) Isophorone	7.53	82	273101	18.776	ng	# 67
50) Dimethylphthalate	9.72	163	68791	4.707	ng	98
51) 2,6-Dinitrotoluene	10.01	165	26016	8.265	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	26016	6.507	ng	# 19
71) Phenanthrene	11.53	178	131396	7.314	ng	100
72) Anthracene	11.58	178	42446	2.357	ng	97
75) Fluoranthene	12.72	202	276336	15.156	ng	99
78) Pyrene	12.95	202	261900	14.067	ng	98
81) Benzo(a)anthracene	14.14	228	118379	7.687	ng	95
83) Chrysene	14.18	228	110534	7.557	ng	98
84) Bis(2-ethylhexyl)phthalate	14.11	149	48941	4.480	ng	96
86) Indeno(1,2,3-cd)pyrene	17.24	276	45158	3.721	ng	# 91
88) Benzo(b)fluoranthene	15.23	252	154207	14.397	ng	# 90
89) Benzo(k)fluoranthene	15.23	252	154207	14.645	ng	# 89
90) Benzo(a)pyrene	15.62	252	76155	7.727	ng	# 93
92) Benzo(g,h,i)perylene	17.72	276	44759	5.341	ng	# 85

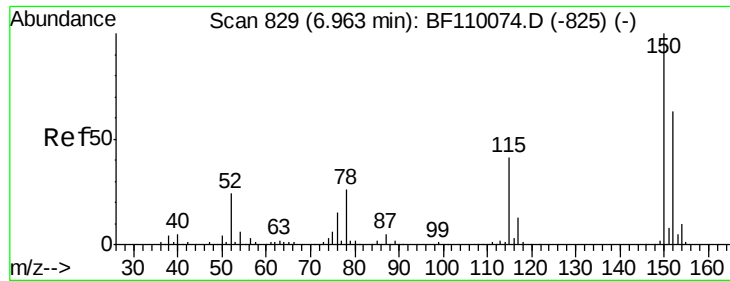
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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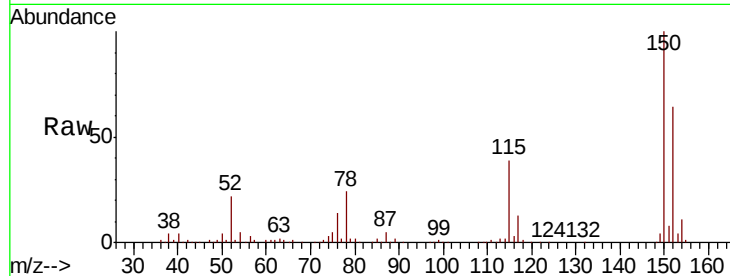


#1

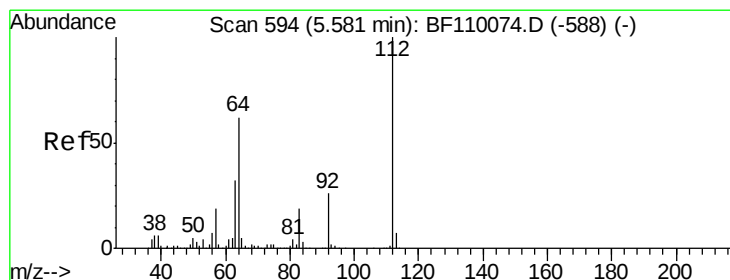
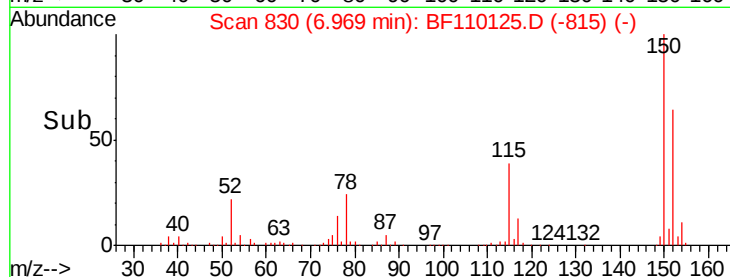
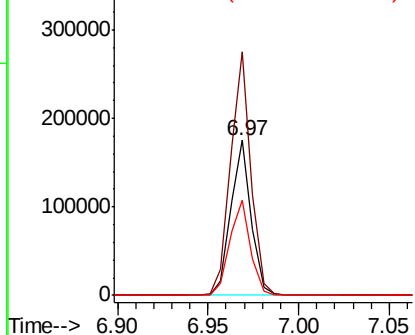
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.7	184.1
115	61.5	49.1	73.7



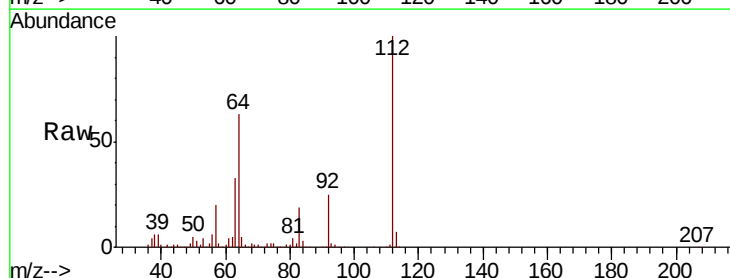
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



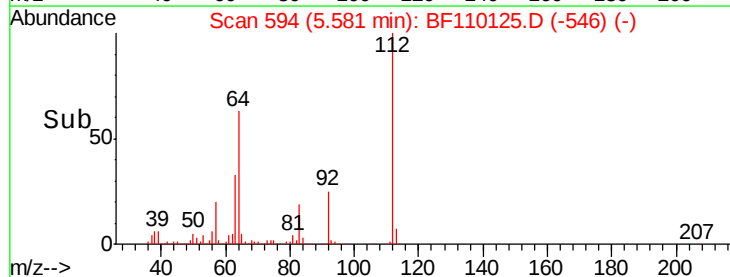
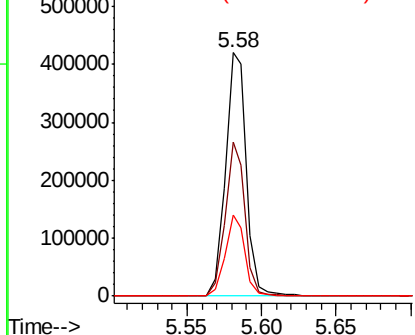
#5

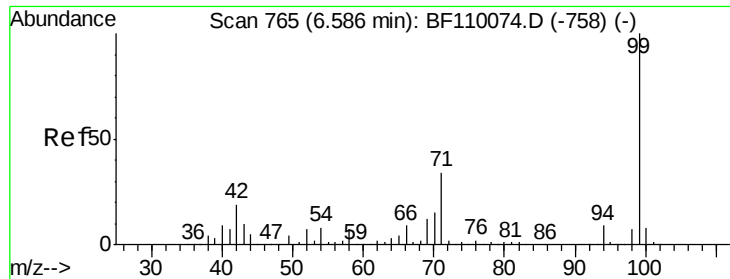
2-Fluorophenol
Concen: 49.825 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	44.1	66.1
63	33.4	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: 46.846 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

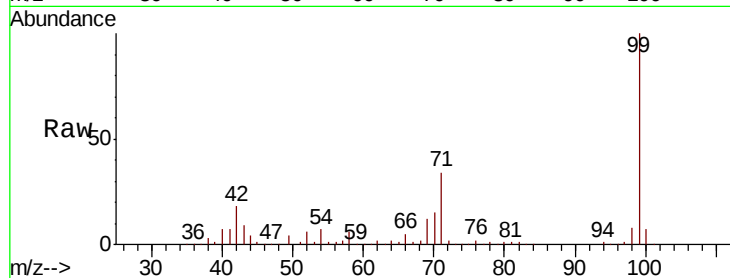
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 501243

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.8	23.6
71	33.7	28.0	42.0

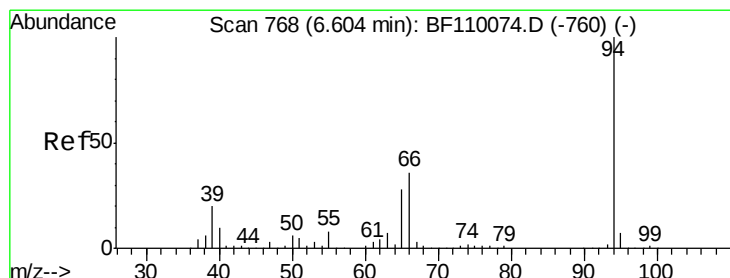
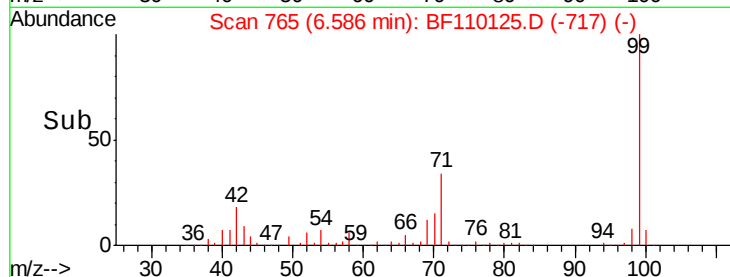
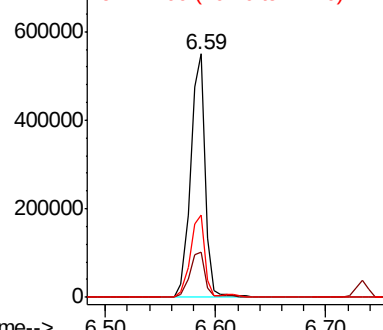


Abundance

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



#10

Phenol

Concen: 5.767 ng

RT: 6.60 min Scan# 767

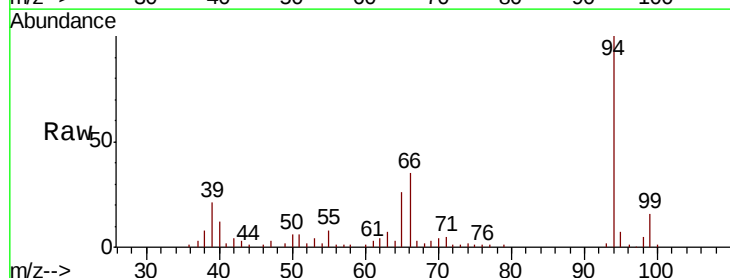
Delta R.T. -0.02 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Tgt Ion: 94 Resp: 65959

Ion	Ratio	Lower	Upper
94	100		
65	25.7	25.3	65.3
66	35.1	54.5	94.5#

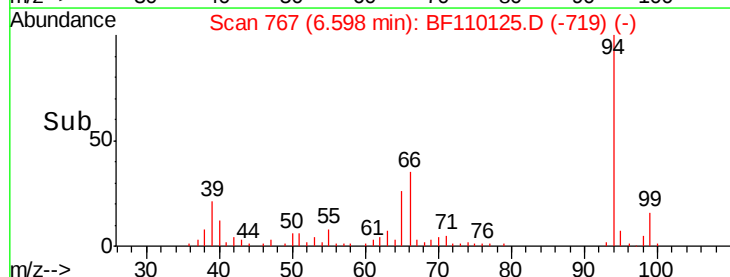
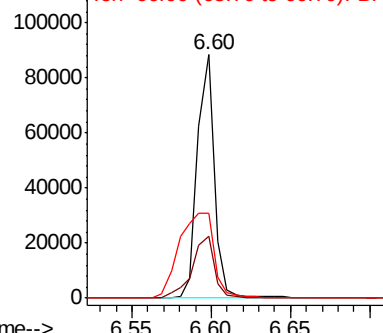


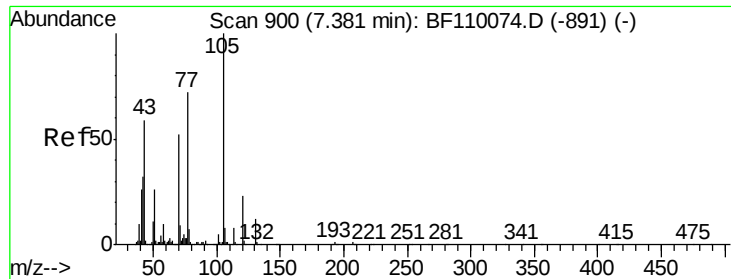
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

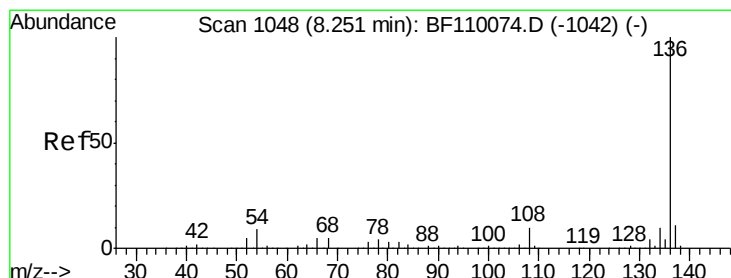
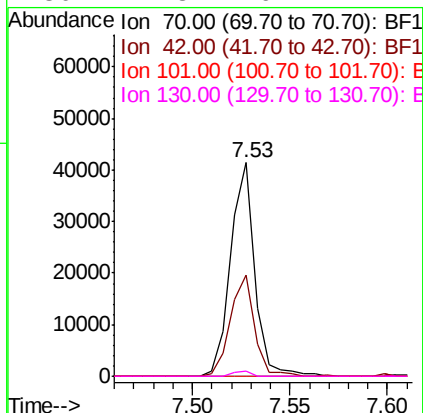
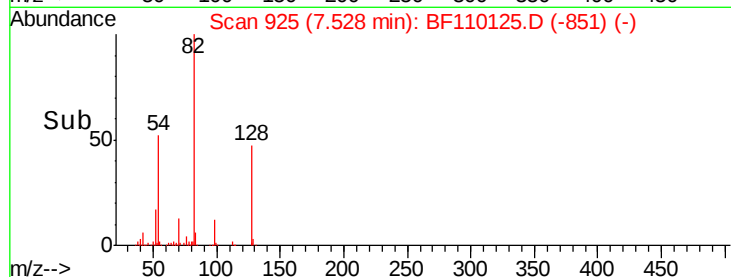
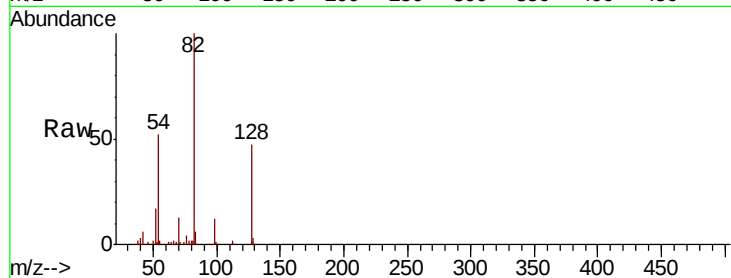




#19
n-Nitroso-di-n-propylamine
Concen: 5.172 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

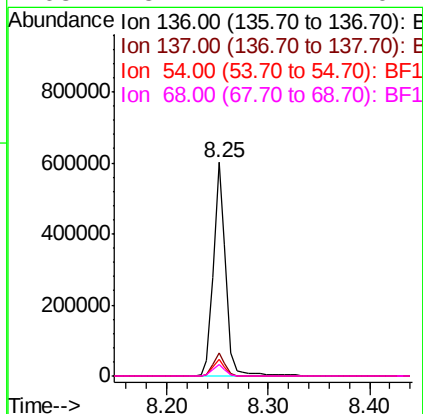
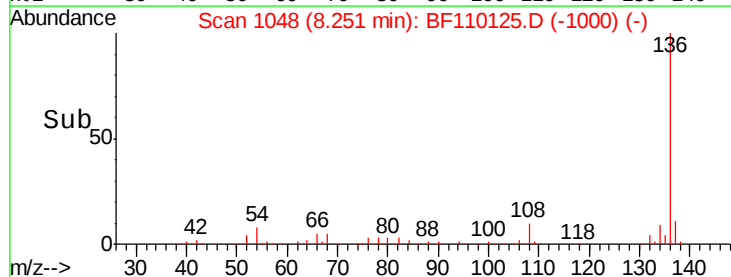
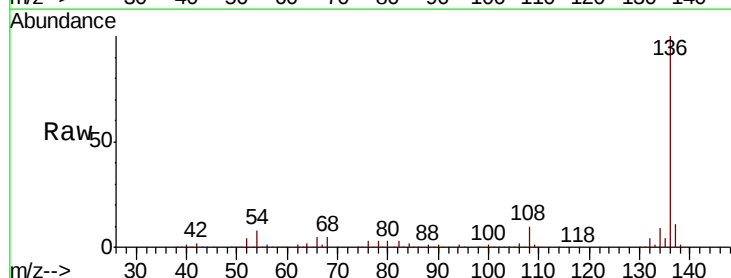
Instrument :
BNA_F
ClientSampleId :

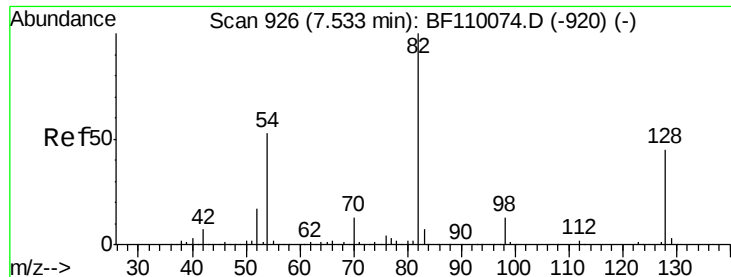
Tot Ion: 70 Resp: 35505
Ion Ratio Lower Upper
70 100
42 47.6 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion: 136 Resp: 506118
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.0 5.4 8.2
68 5.2 4.2 6.2

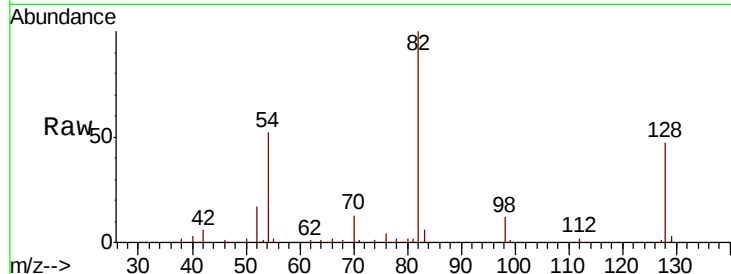




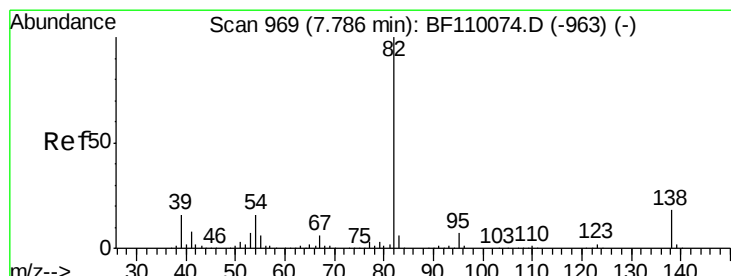
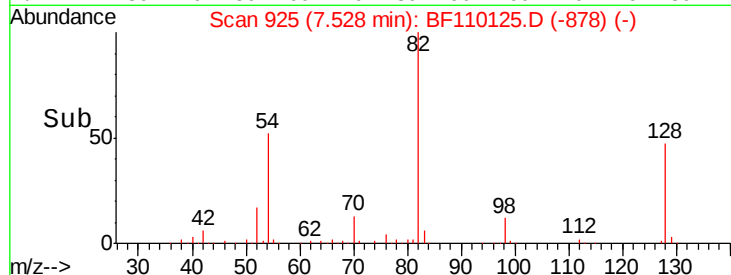
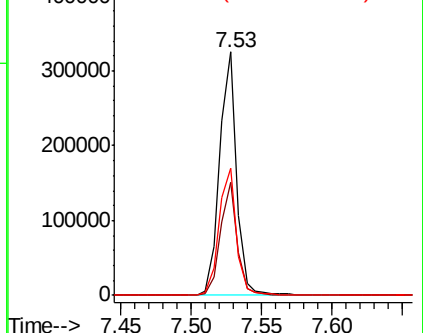
#23
Nitrobenzene-d5
Concen: 32.006 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	273104
Ion Ratio	100	Lower	Upper
128	46.5	34.2	51.2
54	52.2	38.6	58.0

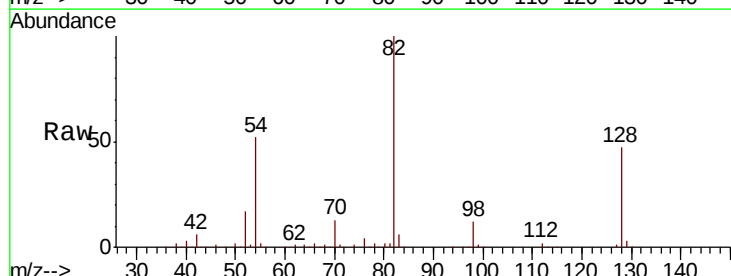


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

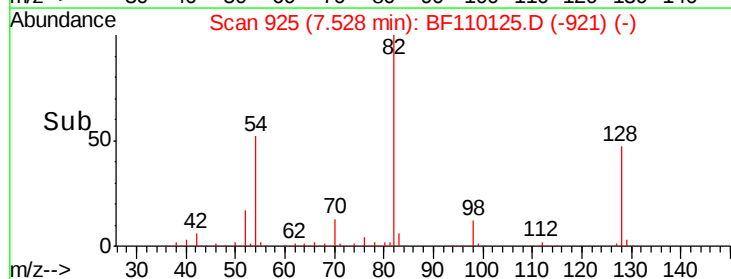
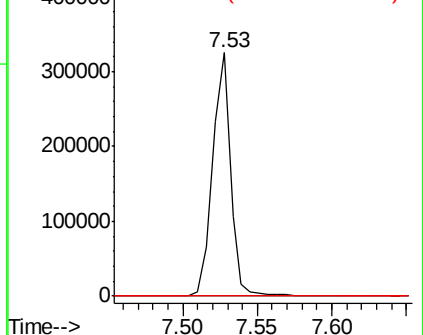


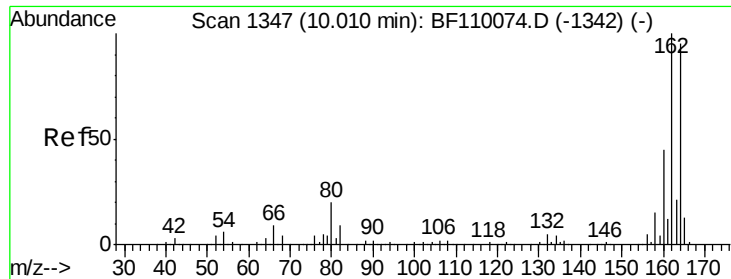
#25
Isophorone
Concen: 18.776 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	82	Resp	273101
Ion Ratio	100	Lower	Upper
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Instrument :

BNA_F

ClientSampleId :

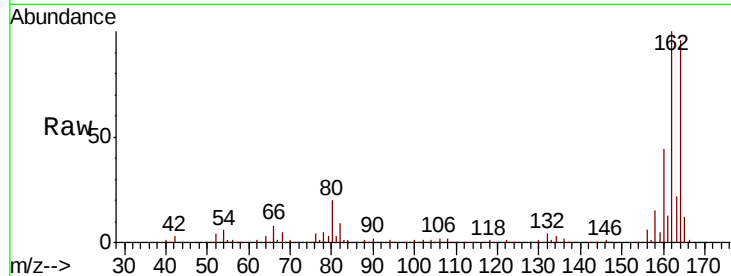
Tot Ion:164 Resp: 197969

Ion Ratio Lower Upper

164 100

162 104.6 83.0 124.6

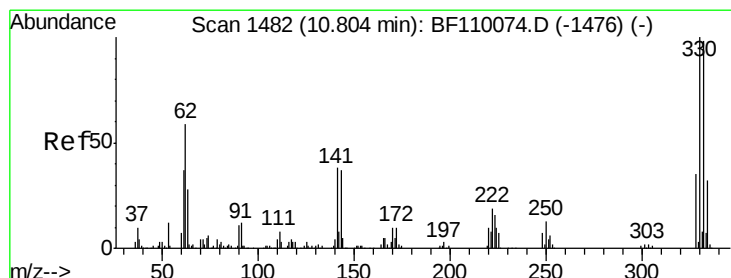
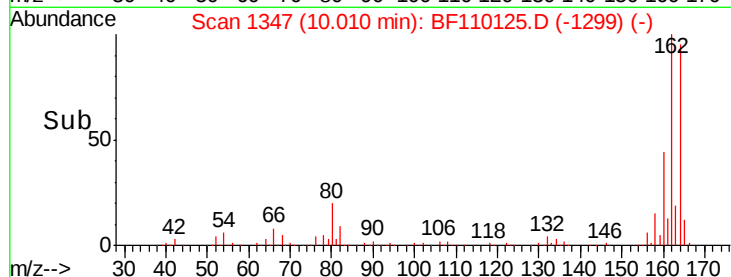
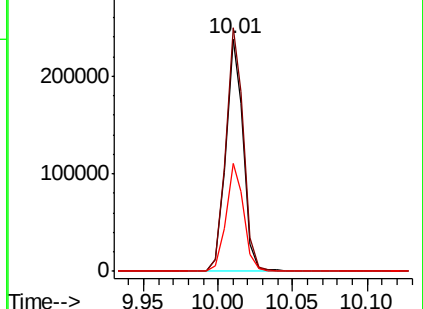
160 46.1 37.0 55.6



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: 42.532 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

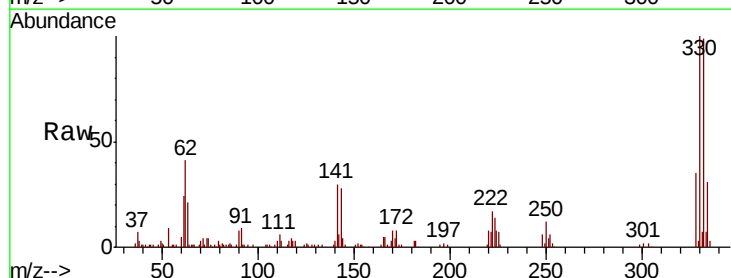
Tgt Ion:330 Resp: 83405

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

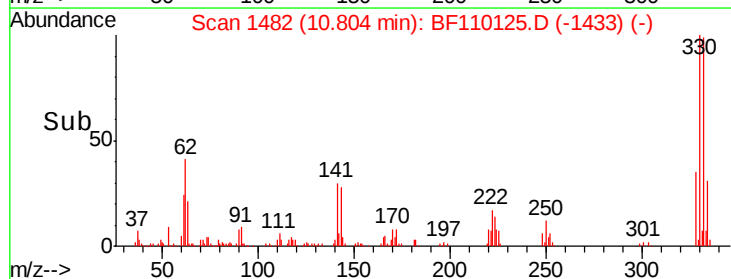
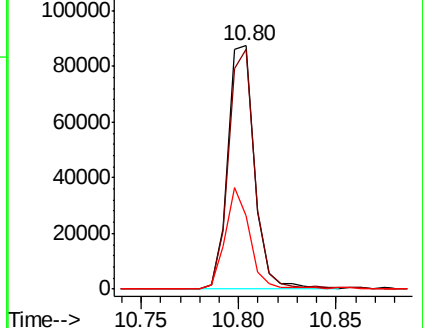
141 39.1 27.0 40.4

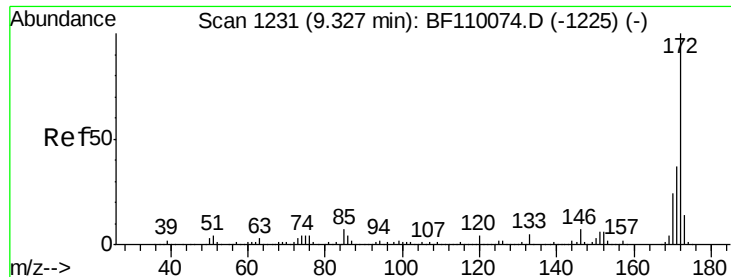


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

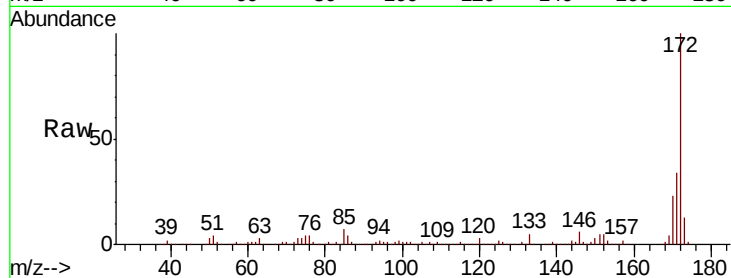




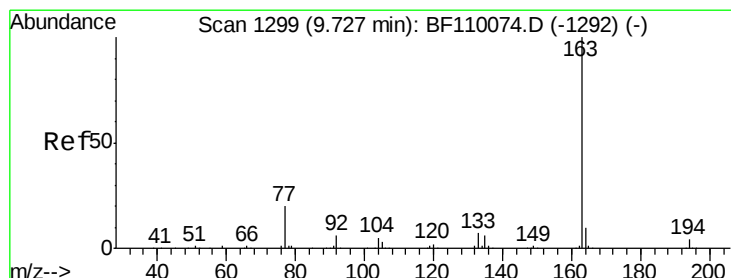
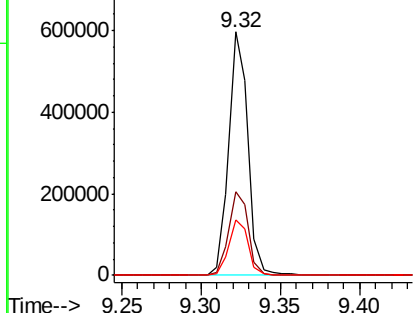
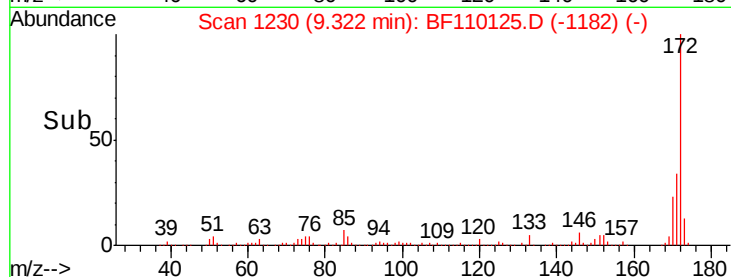
#45
2-Fluorobiphenyl
Concen: 39.857 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.6	43.0
170	23.0	19.7	29.5

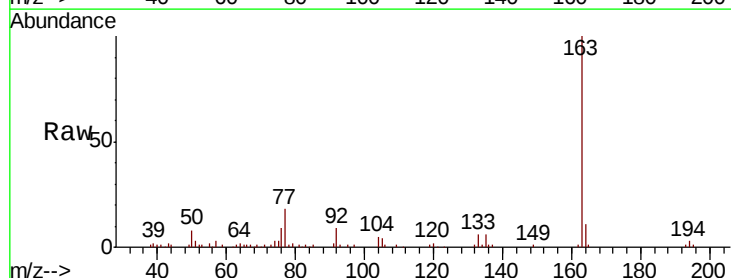


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

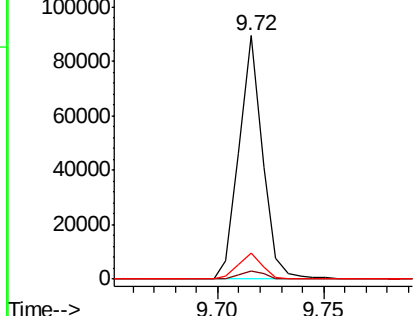
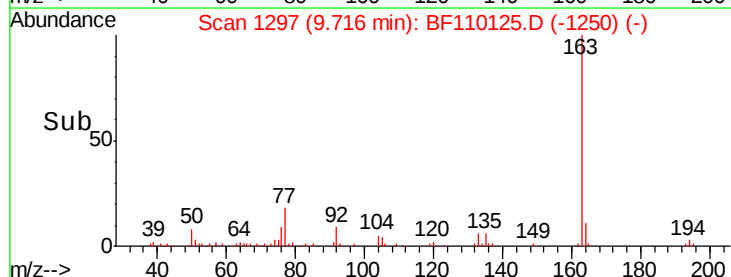


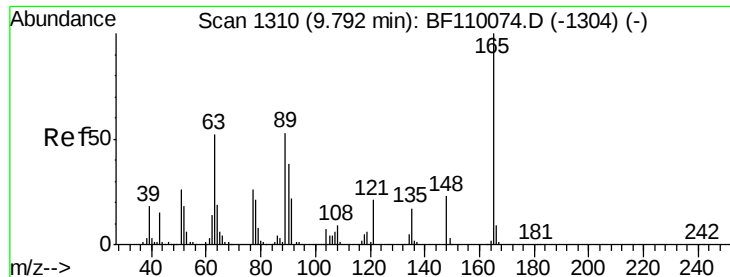
#50
Dimethylphthalate
Concen: 4.707 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.2	4.8
164	10.7	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: 8.265 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Instrument :

BNA_F

ClientSampleId :

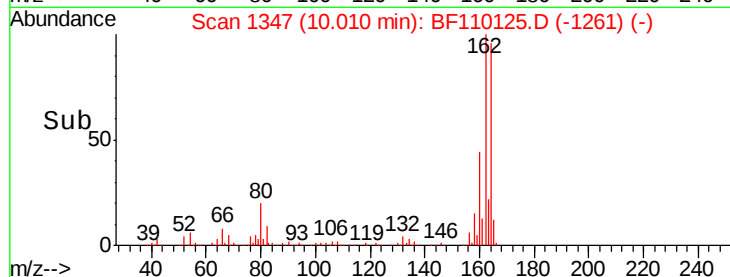
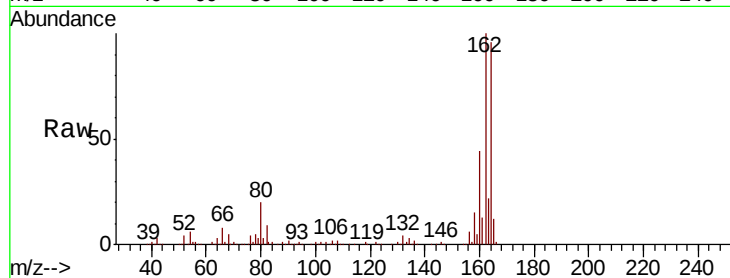
Tot Ion:165 Resp: 26016

Ion Ratio Lower Upper

165 100

63 1.5 48.9 73.3#

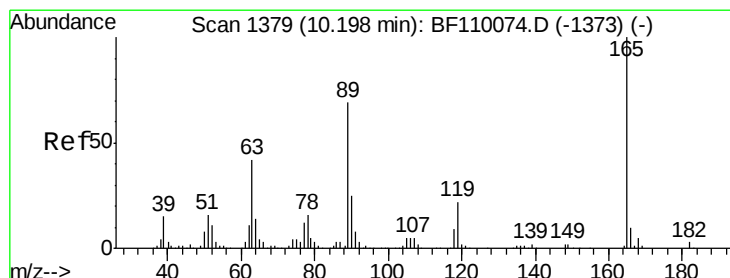
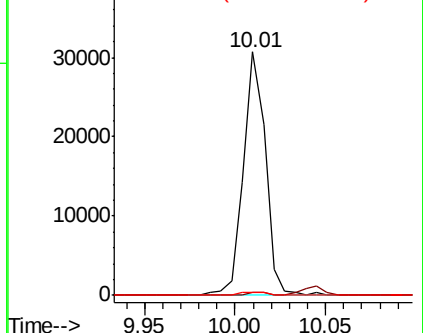
89 1.1 46.6 69.8#



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: 6.507 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Tgt Ion:165 Resp: 26016

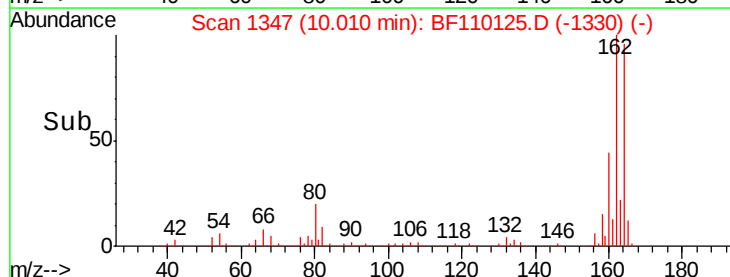
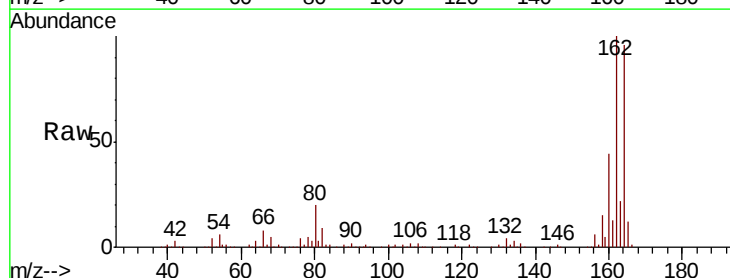
Ion Ratio Lower Upper

165 100

63 1.5 44.8 67.2#

89 1.1 62.2 93.4#

182 0.0 2.1 3.1#

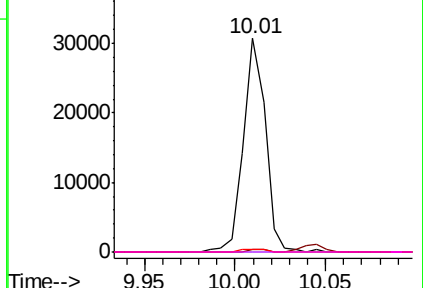


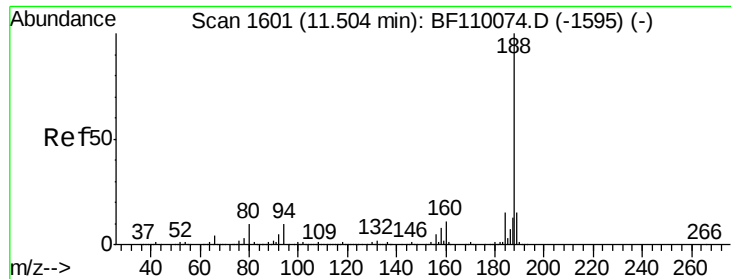
Abundance Ion 165.00 (164.70 to 165.70): E

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

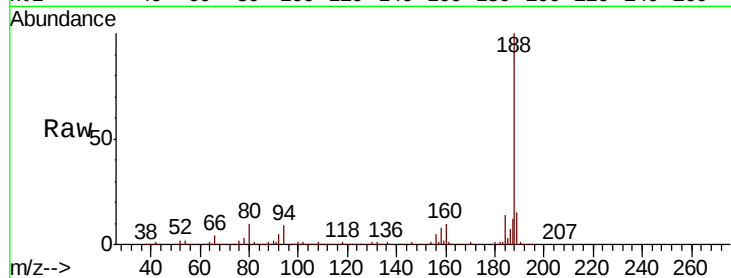




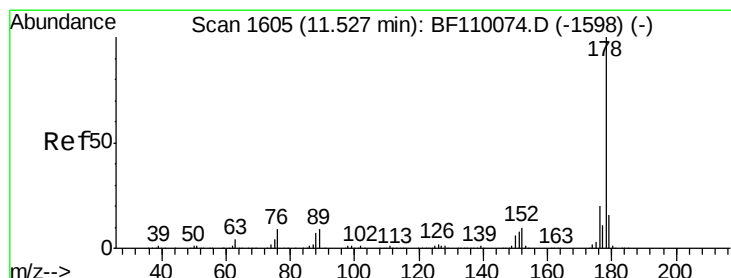
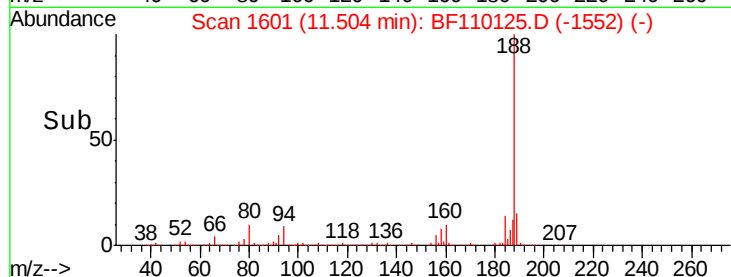
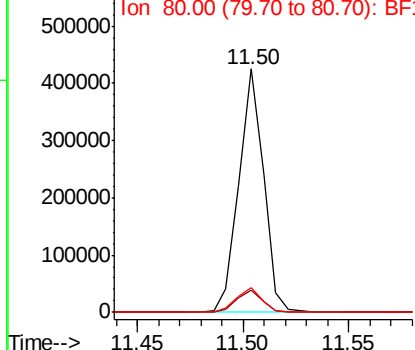
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 343349
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.1 7.9 11.9

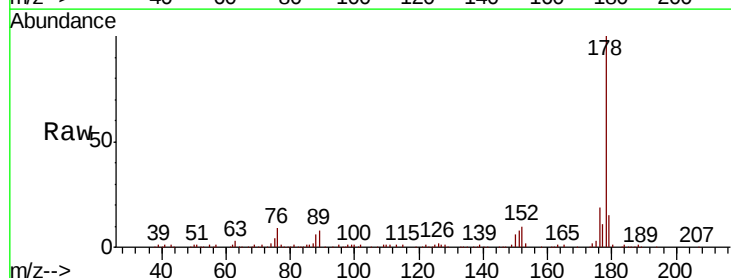


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

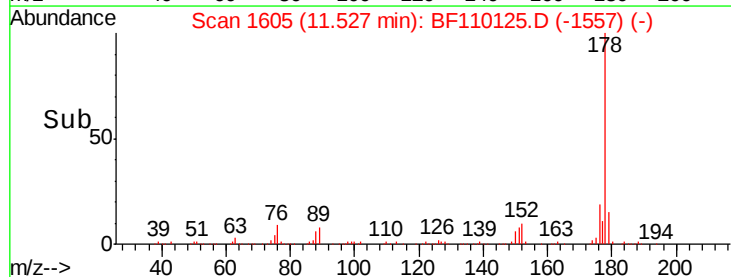
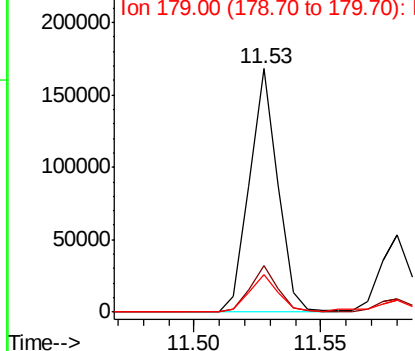


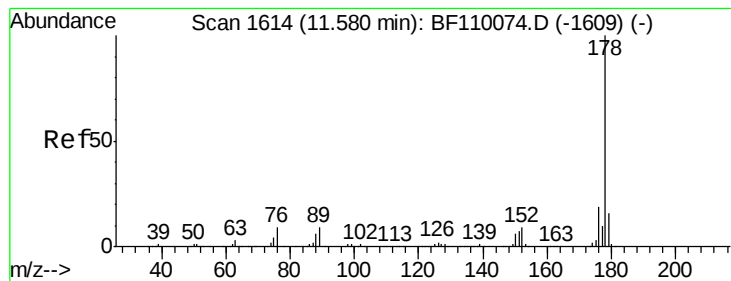
#71
Phenanthrene
Concen: 7.314 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion:178 Resp: 131396
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 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





#72

Anthracene

Concen: 2.357 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.02 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Instrument :

BNA_F

ClientSampleId :

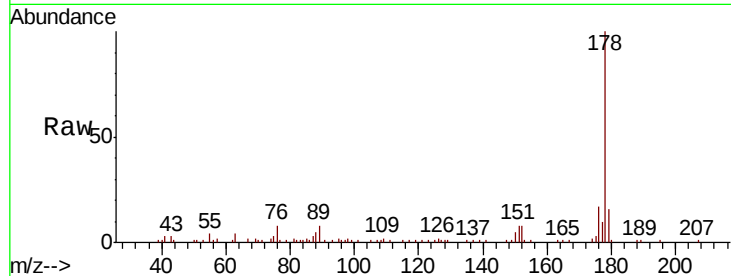
Tot Ion:178 Resp: 42446

Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.4	23.2
179	15.9	12.6	18.8

178 100

176 17.2 15.4 23.2

179 15.9 12.6 18.8



Abundance

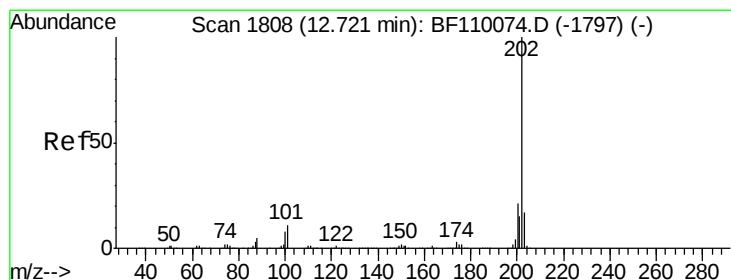
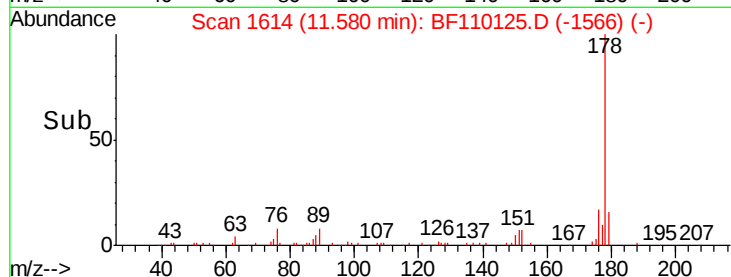
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.58

Time-->



#75

Fluoranthene

Concen: 15.156 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

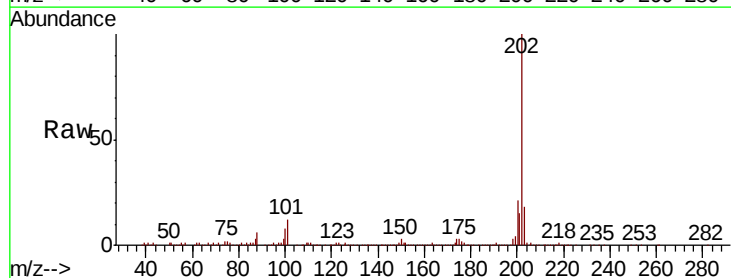
Tgt Ion:202 Resp: 276336

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.4
203	18.1	0.0	37.7

202 100

101 12.3 0.0 31.4

203 18.1 0.0 37.7



Abundance

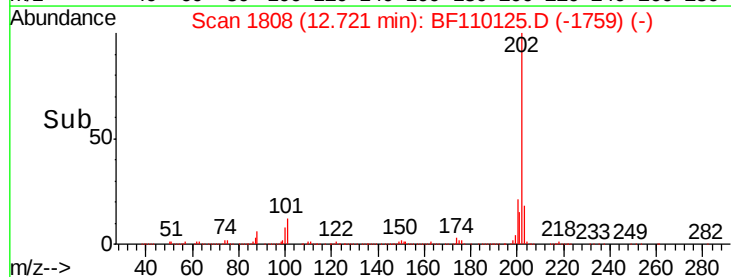
Ion 202.00 (201.70 to 202.70): E

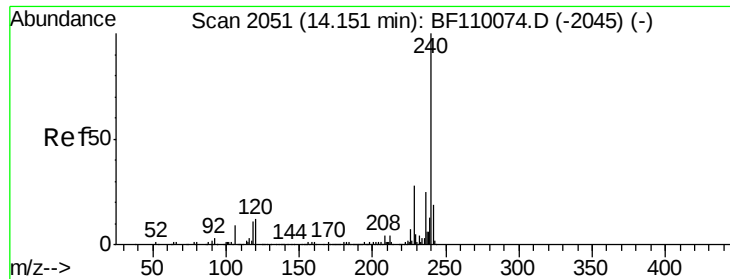
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.72

Time-->

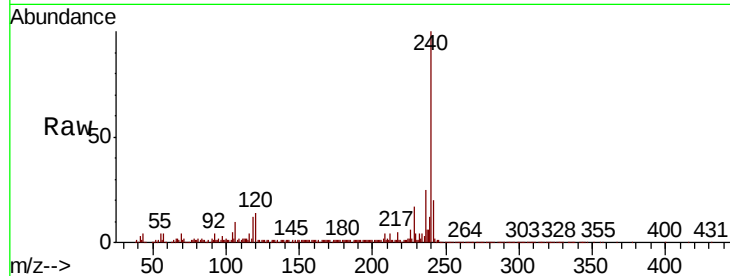




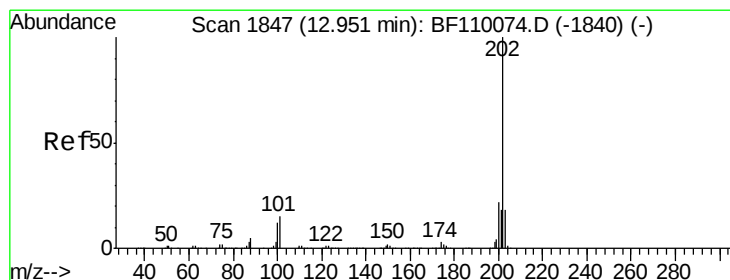
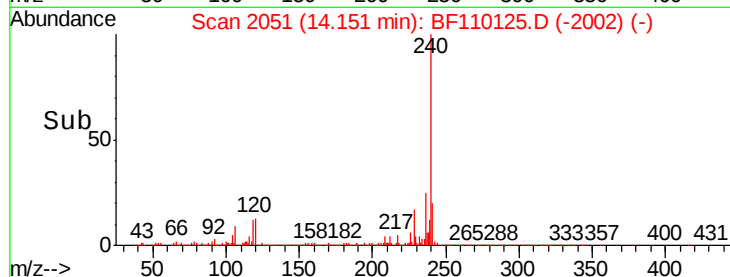
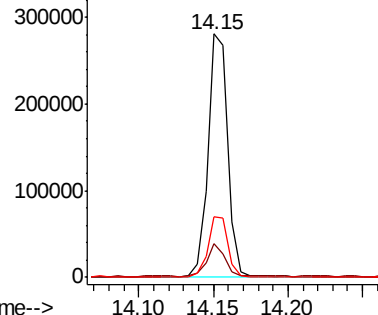
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	8.3	12.5#
236	24.8	21.2	31.8

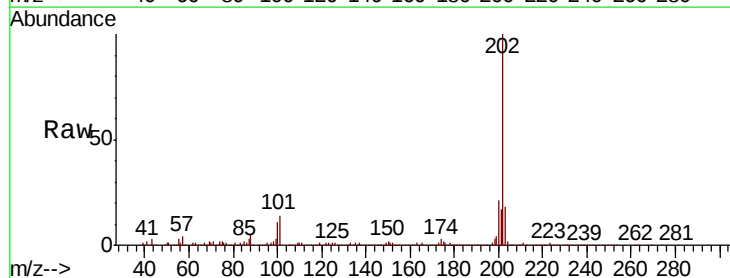


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

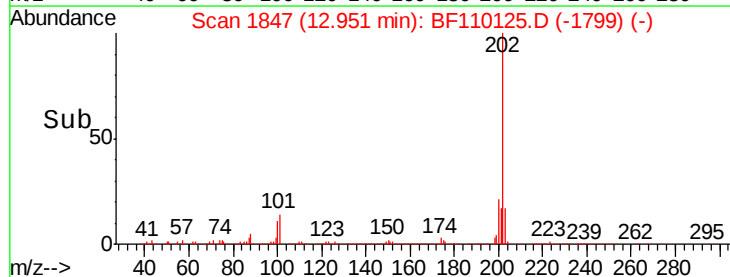
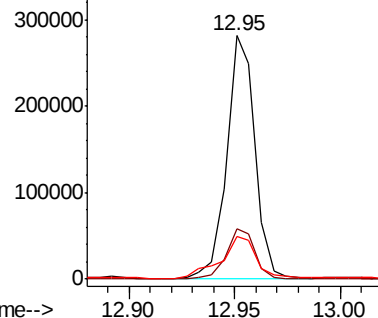


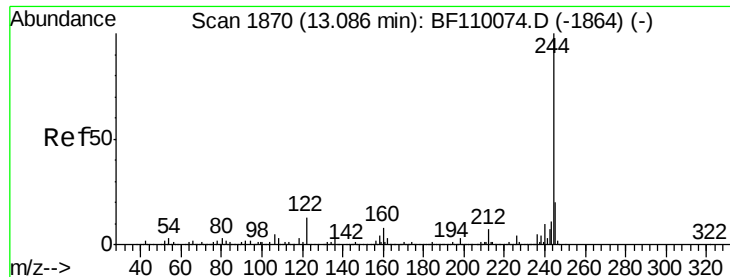
#78
Pyrene
Concen: 14.067 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.8	26.6
203	17.6	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: 35.952 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Instrument :

BNA_F

ClientSampleId :

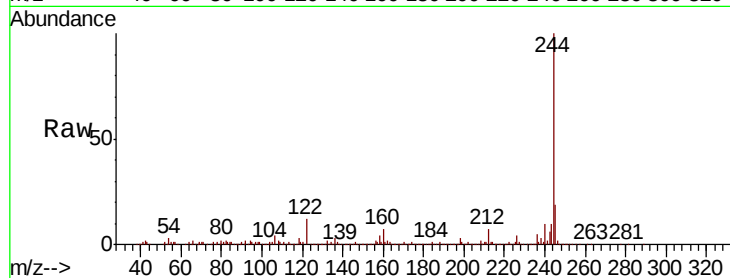
Tot Ion:244 Resp: 448933

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

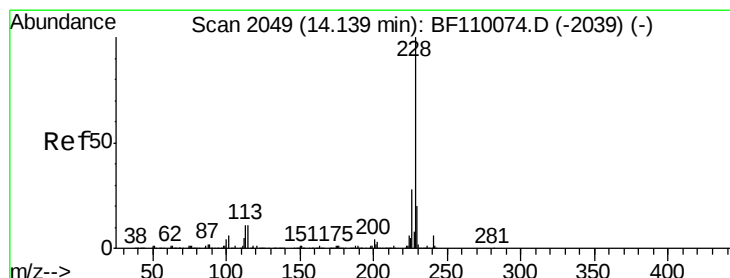
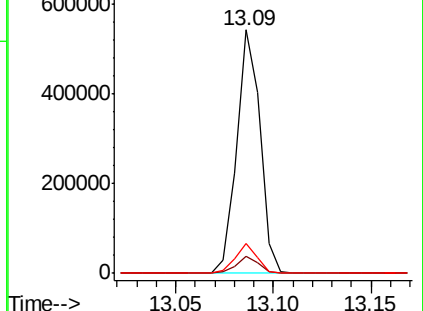
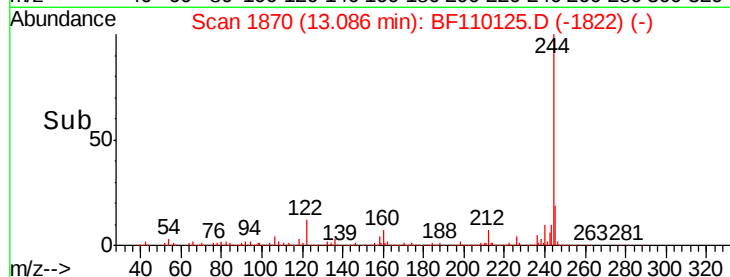
122 12.4 8.7 13.1



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: 7.687 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

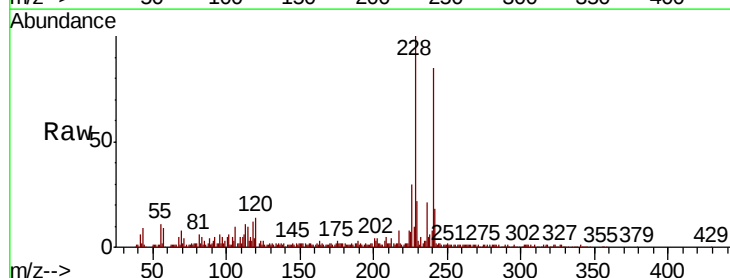
Tgt Ion:228 Resp: 118379

Ion Ratio Lower Upper

228 100

226 30.4 22.1 33.1

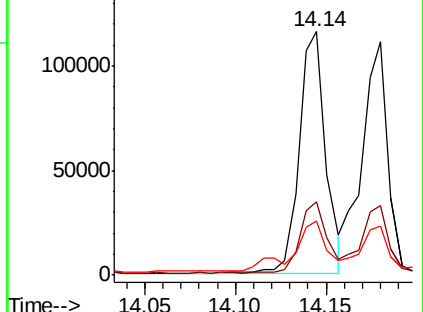
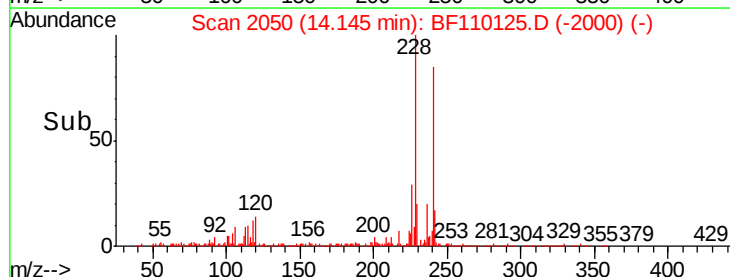
229 22.1 15.6 23.4

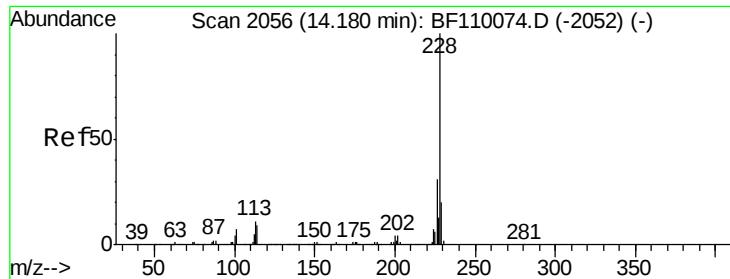


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 7.557 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

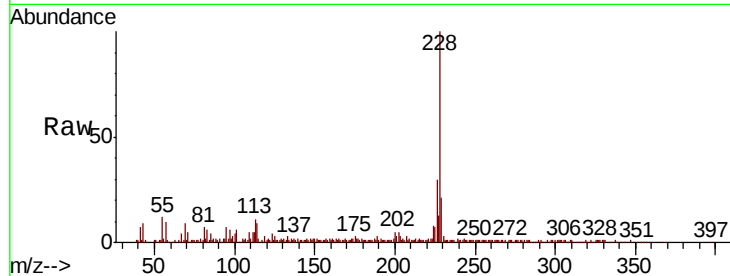
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 110534

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.7	37.1
229	21.0	15.9	23.9

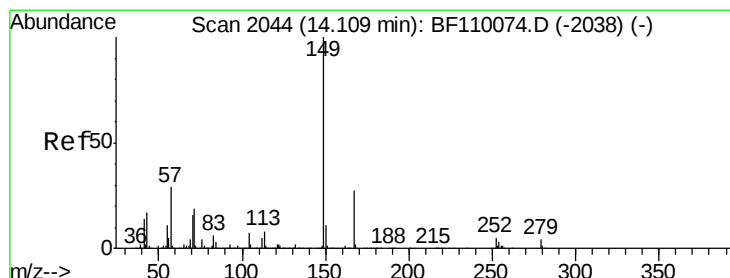
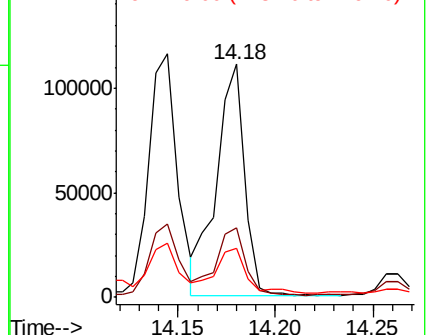
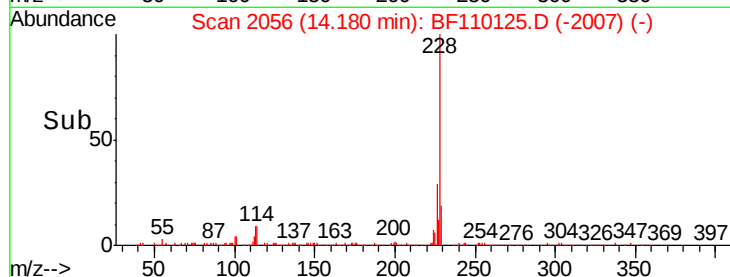


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.480 ng

RT: 14.11 min Scan# 2044

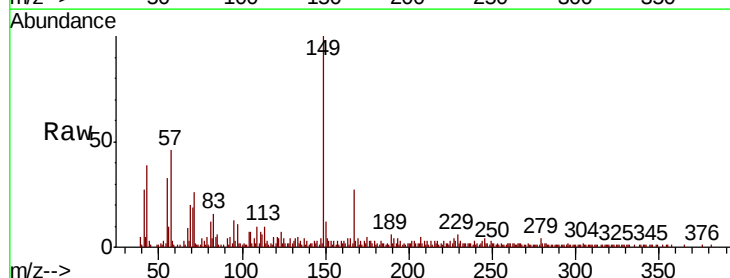
Delta R.T. -0.02 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Tgt Ion:149 Resp: 48941

Ion	Ratio	Lower	Upper
149	100		
167	27.1	19.8	29.8
279	4.0	2.7	4.1

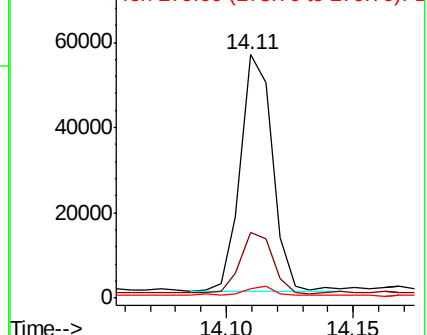
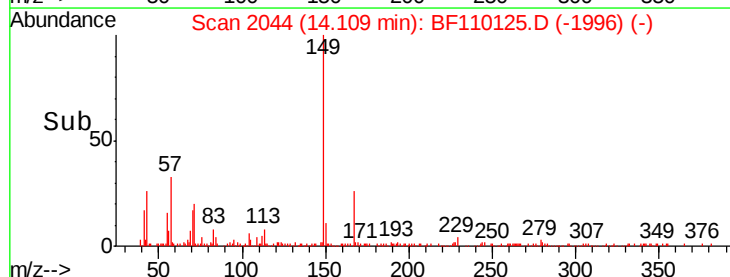


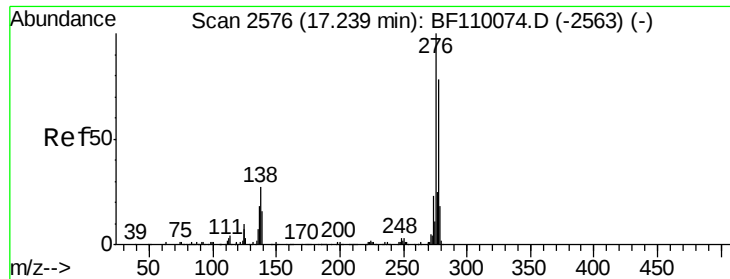
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.721 ng

RT: 17.24 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Instrument :

BNA_F

ClientSampleId :

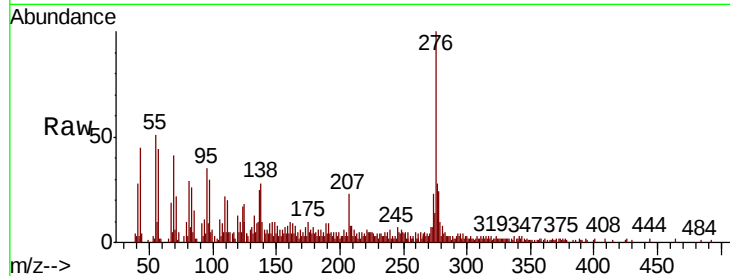
Tot Ion:276 Resp: 45158

Ion Ratio Lower Upper

276 100

138 29.1 18.5 27.7#

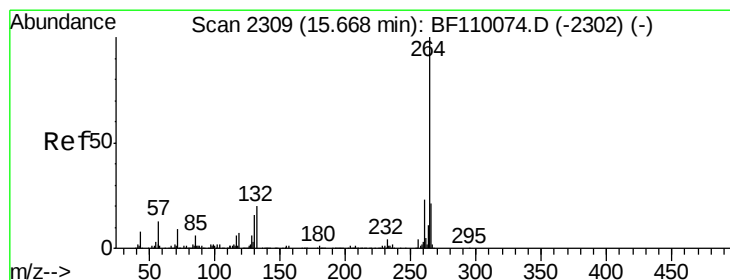
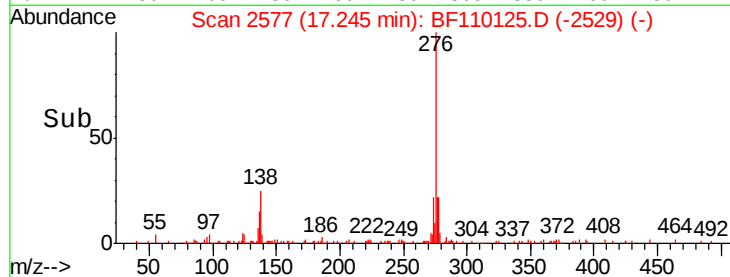
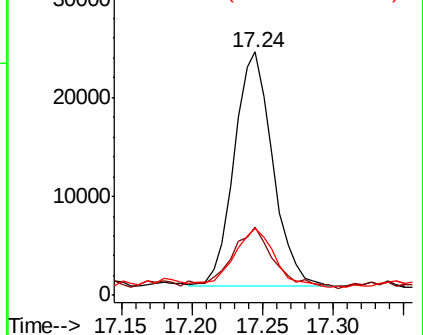
277 28.0 20.0 30.0



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: 15.68 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

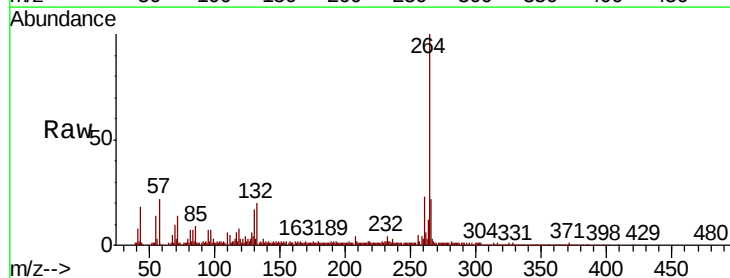
Tgt Ion:264 Resp: 185480

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

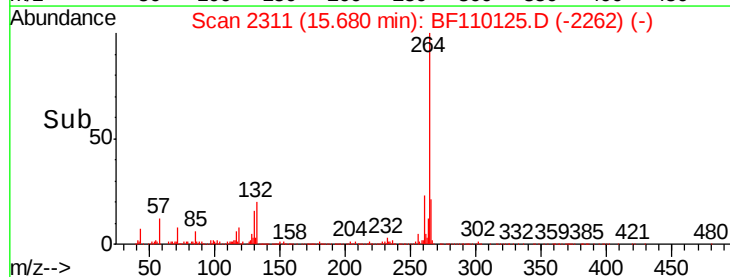
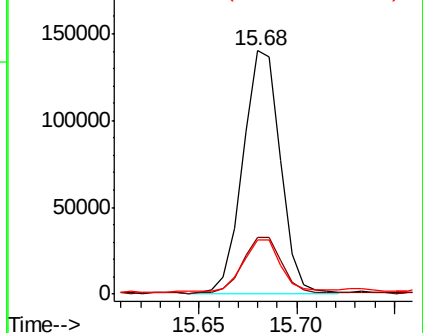
265 22.1 16.7 25.1

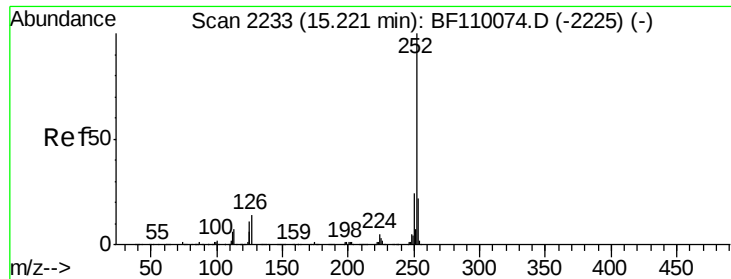


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

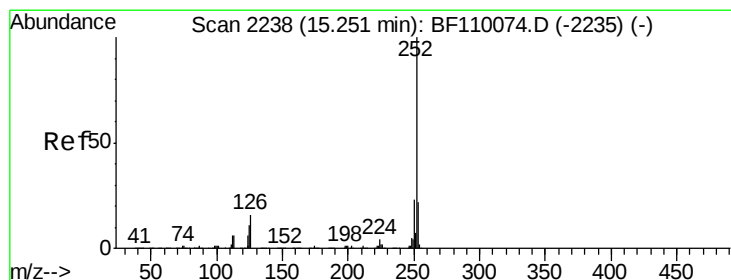
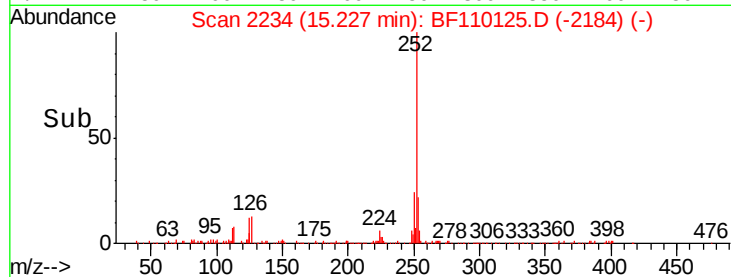
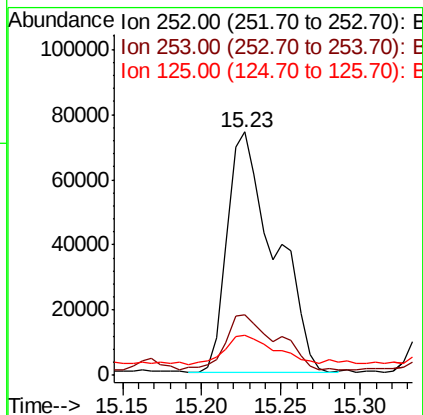
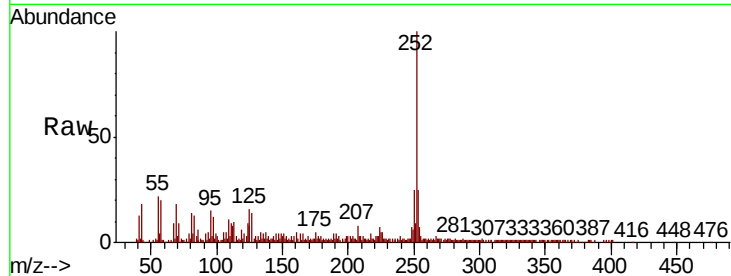




#88
Benzo(b)fluoranthene
Concen: 14.397 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

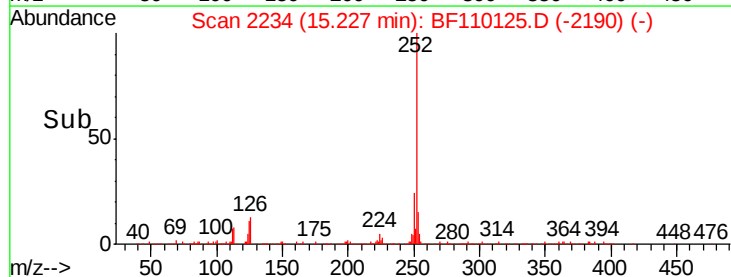
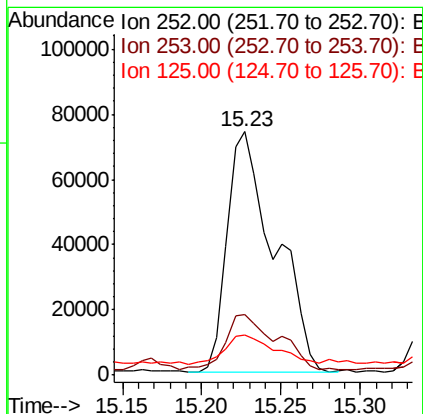
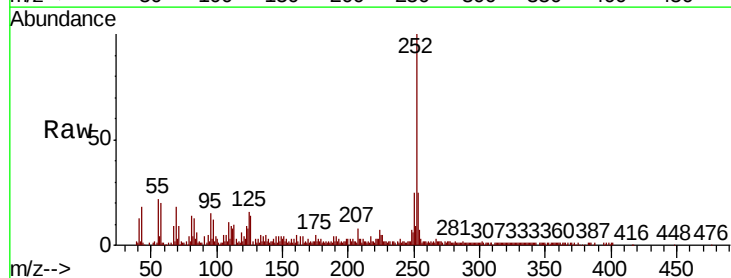
Instrument :
BNA_F
ClientSampleId :

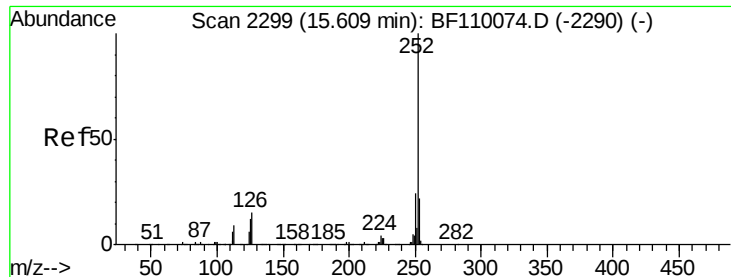
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	16.2	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 14.645 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	16.2	7.4	11.0

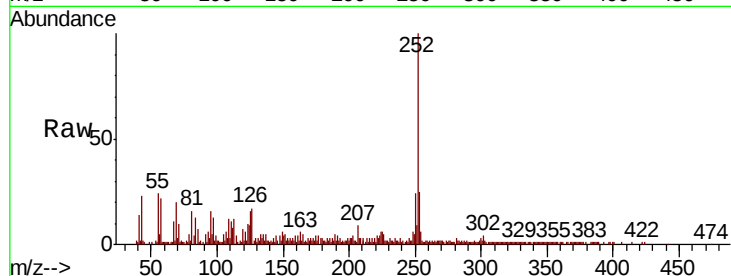




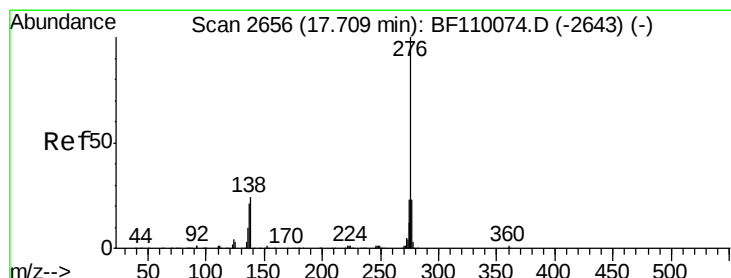
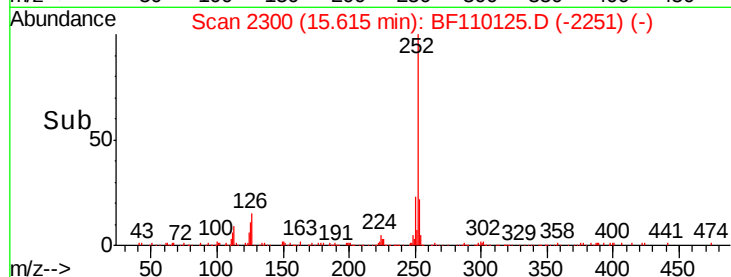
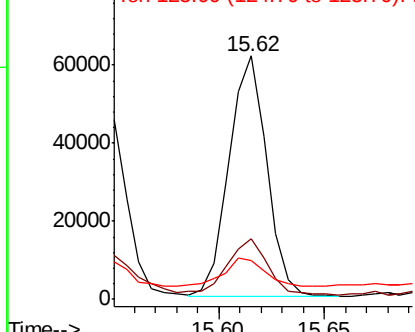
#90
Benzo(a)pyrene
Concen: 7.727 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 76155
Ion Ratio Lower Upper
252 100
253 24.8 18.2 27.4
125 16.2 9.0 13.6#

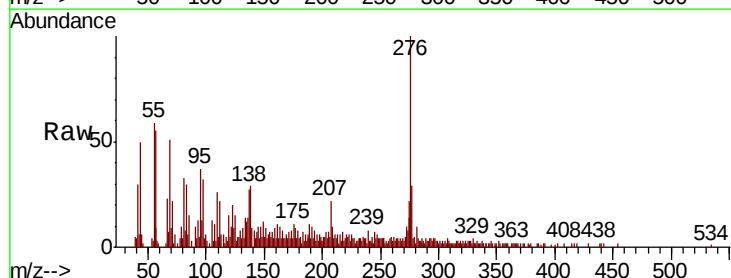


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.341 ng
RT: 17.72 min Scan# 2658
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion:276 Resp: 44759
Ion Ratio Lower Upper
276 100
277 28.8 18.8 28.2#
138 29.0 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

