

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
 Data File : BF109430.D
 Acq On : 28 Sep 2018 15:27
 Operator : JU/SJ
 Sample : J4776-05 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 28 18:17:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	131137	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	487278	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	209227	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	336380	20.00	ng	0.00
75) Chrysene-d12	13.84	240	264995	20.00	ng	0.00
86) Perylene-d12	15.24	264	226263	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	333065	41.83	ng	0.00
7) Phenol-d6	6.35	99	425311	41.86	ng	-0.01
23) Nitrobenzene-d5	7.26	82	267971	32.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	62829	30.46	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	472375	34.05	ng	-0.01
78) Terphenyl-d14	12.80	244	314660	29.14	ng	0.00

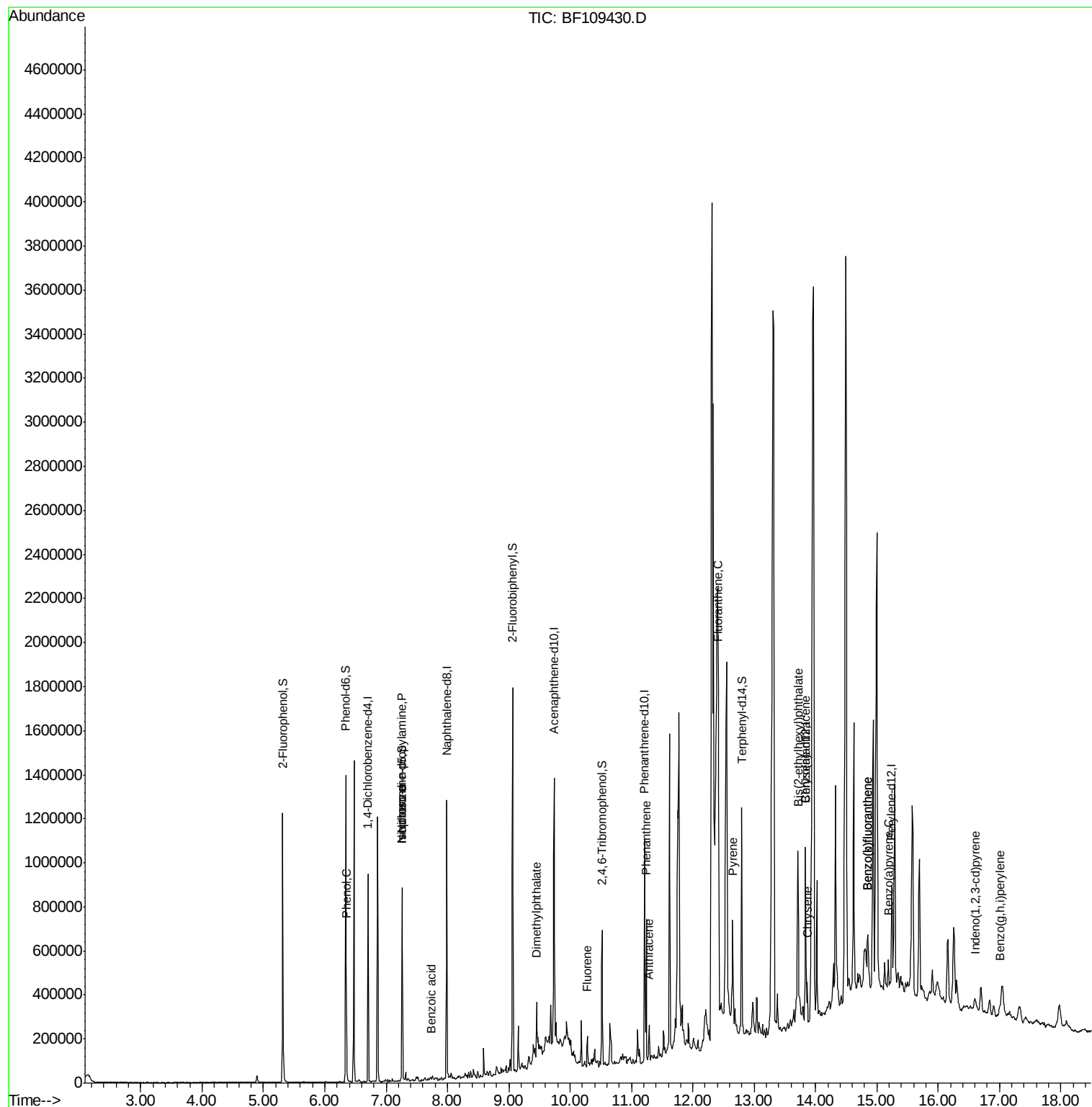
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	23681	2.058	ng	99
19) n-Nitroso-di-n-propylamine	7.26	70	36665	5.508	ng	# 79
25) Isophorone	7.26	82	250795	16.872	ng	# 64
32) Benzoic acid	7.74	122	486	6.892	ng	# 48
49) Dimethylphthalate	9.46	163	78374	5.150	ng	99
57) Fluorene	10.28	166	29844	2.264	ng	99
70) Phenanthrene	11.24	178	217063	12.924	ng	97
71) Anthracene	11.29	178	58356	3.426	ng	98
74) Fluoranthene	12.42	202	207438	11.557	ng	97
77) Pyrene	12.65	202	193973	10.214	ng	100
80) Benzo(a)anthracene	13.83	228	83616	5.239	ng	97
82) Chrysene	13.87	228	79868	5.048	ng	97
83) Bis(2-ethylhexyl)phthalate	13.72	149	167115	16.400	ng	# 54
85) Indeno(1,2,3-cd)pyrene	16.60	276	32261	2.516	ng	# 88
87) Benzo(b)fluoranthene	14.85	252	110418	8.881	ng	# 92
88) Benzo(k)fluoranthene	14.85	252	110418	9.359	ng	# 95
89) Benzo(a)pyrene	15.19	252	60305	5.383	ng	94
91) Benzo(g,h,i)perylene	17.00	276	30589	3.386	ng	# 91

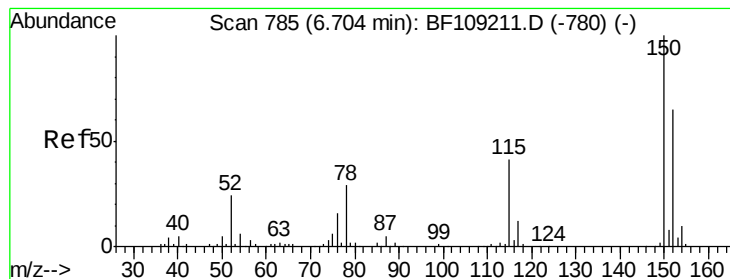
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109430.D
Acq On : 28 Sep 2018 15:27
Operator : JU/SJ
Sample : J4776-05 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 28 18:17:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration



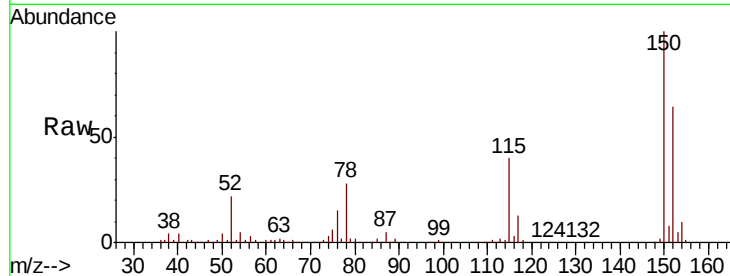


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	63.2	50.1	75.1

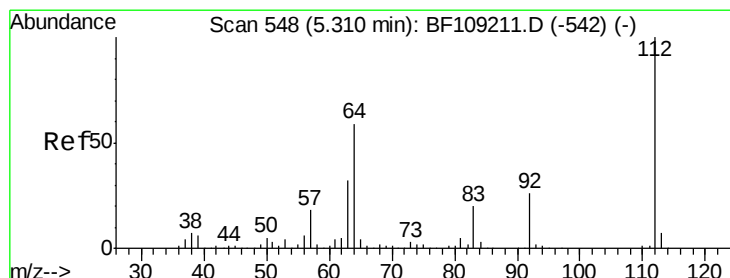
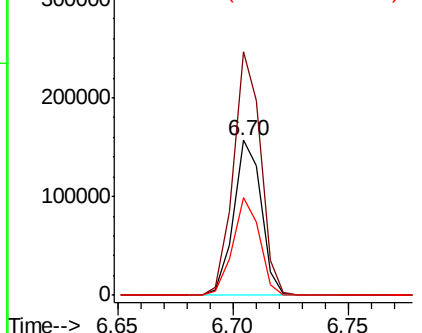
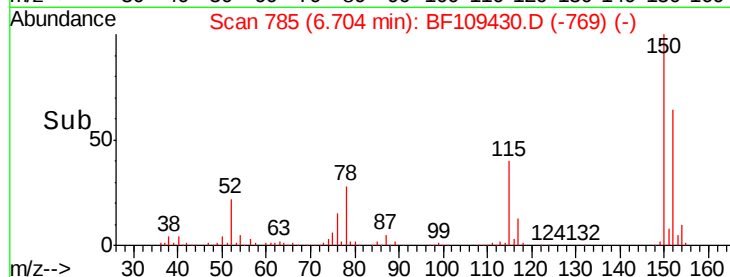


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

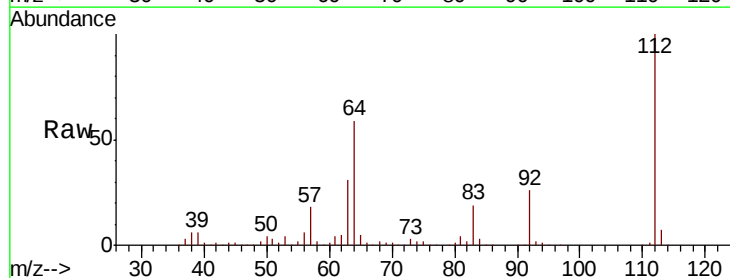
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.833 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	31.0	23.7	35.5

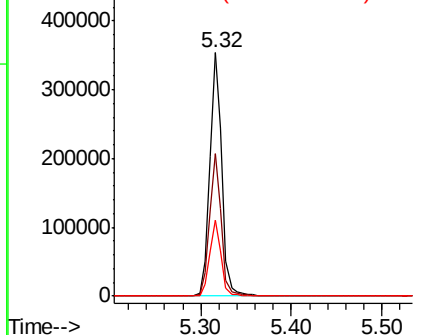
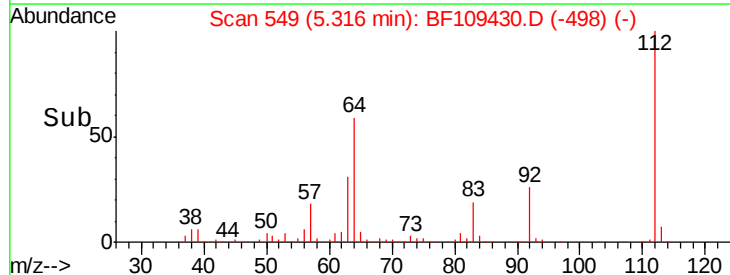


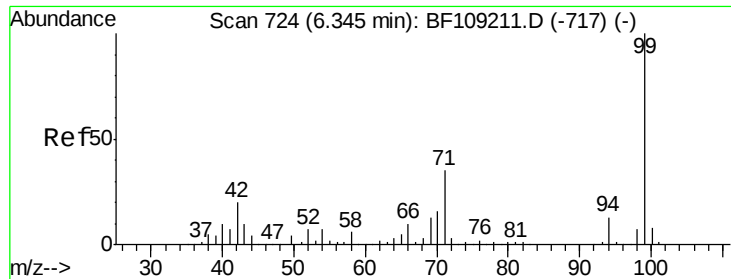
Abundance

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: 41.863 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

Instrument :

BNA_G

ClientSampleId :

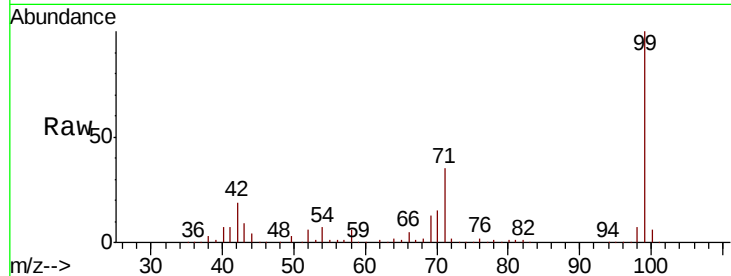
Tot Ion: 99 Resp: 425311

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 34.5 25.4 38.0



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

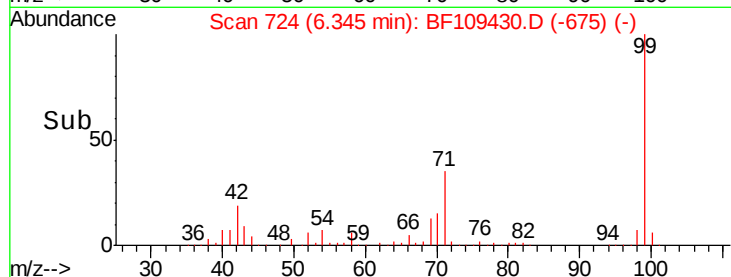
600000

400000

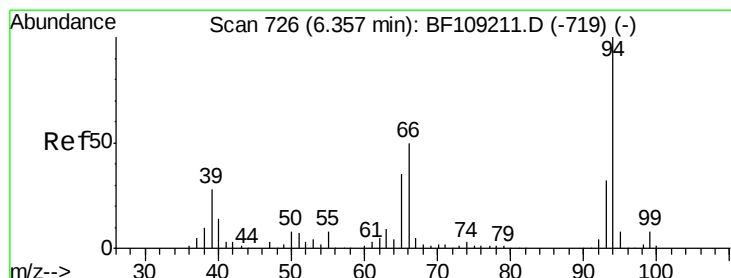
200000

0

6.25 6.30 6.35 6.40 6.45



Time-->



#10

Phenol

Concen: 2.058 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

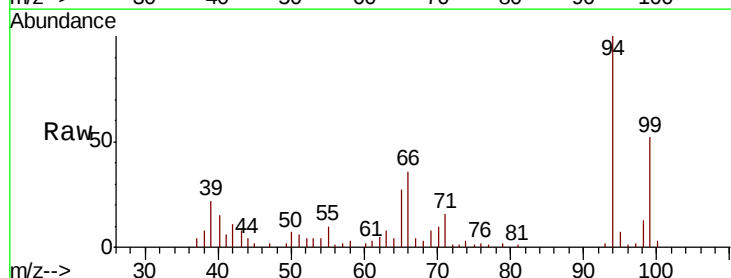
Tgt Ion: 94 Resp: 23681

Ion Ratio Lower Upper

94 100

65 27.3 7.9 47.9

66 35.8 16.2 56.2



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

40000

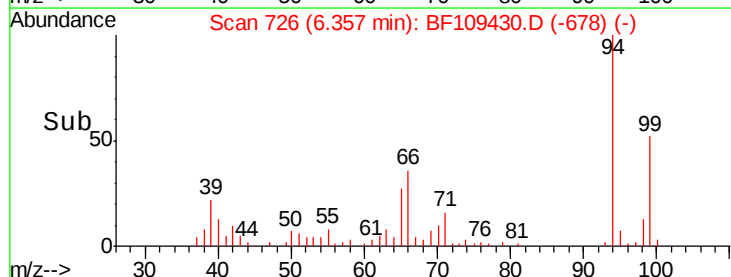
30000

20000

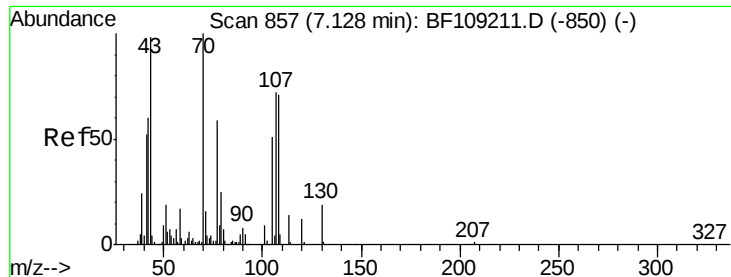
10000

0

6.35 6.40



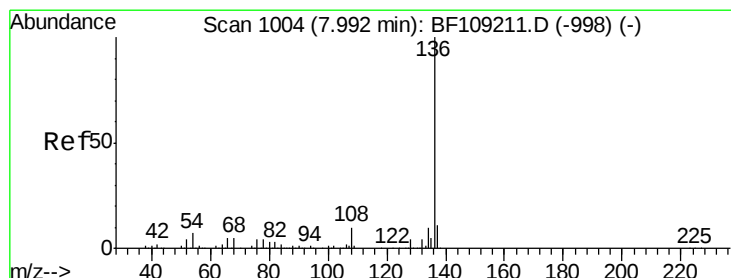
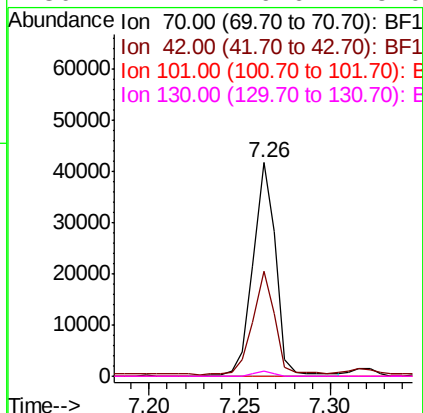
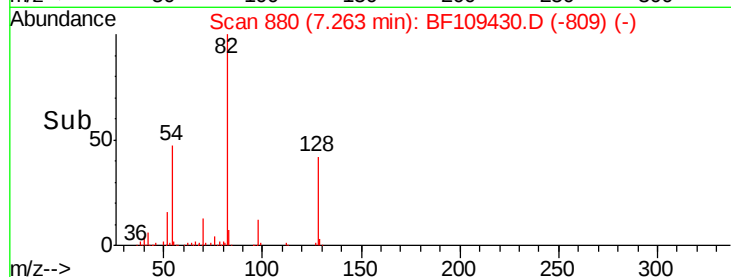
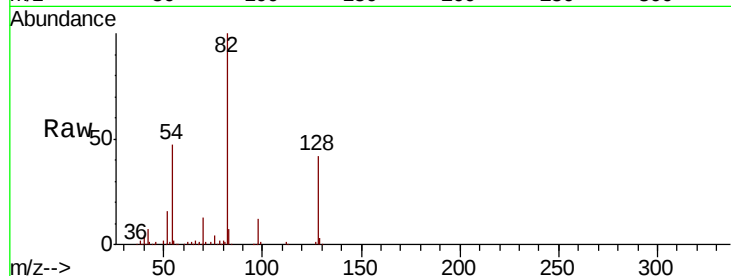
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 5.508 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.12 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

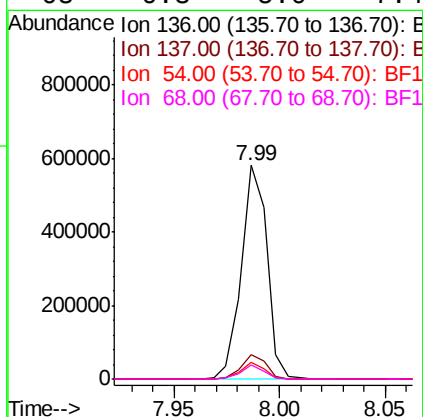
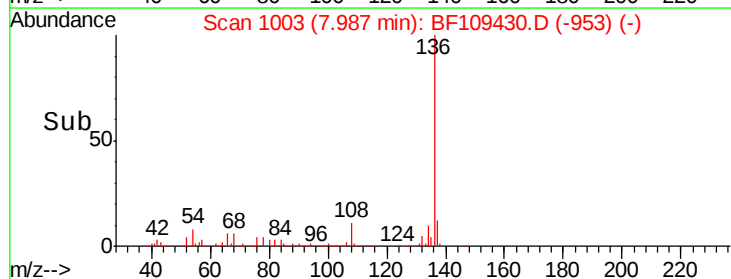
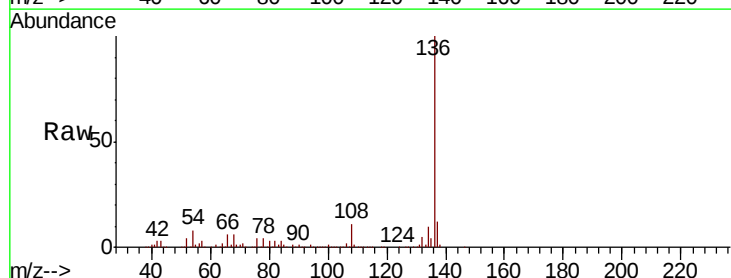
Instrument :
BNA_G
ClientSampleId :

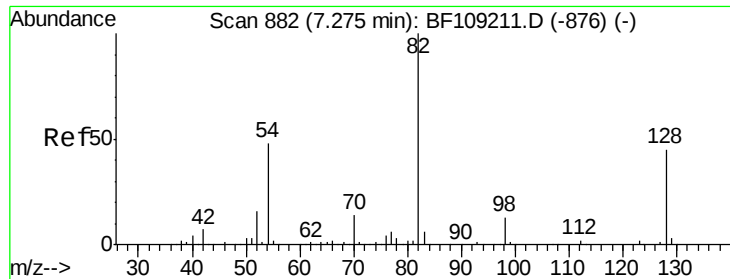
Tot Ion	Ratio	Lower	Upper
70	100		
42	49.0	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	7.8	6.6	9.8
68	6.3	5.0	7.4

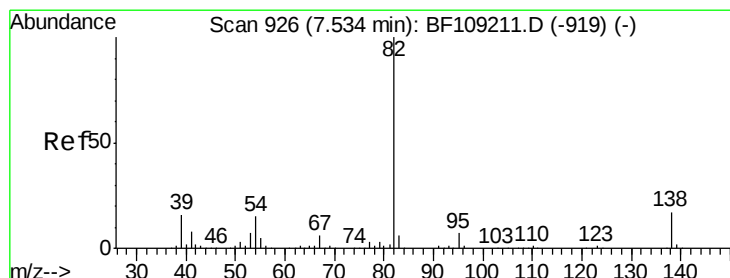
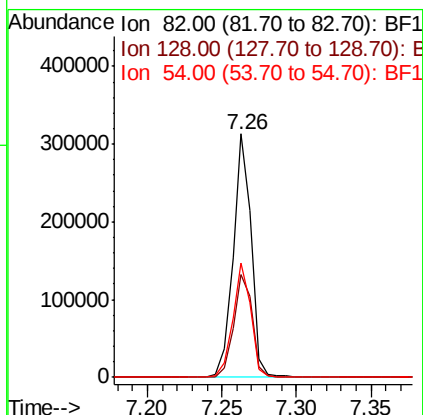
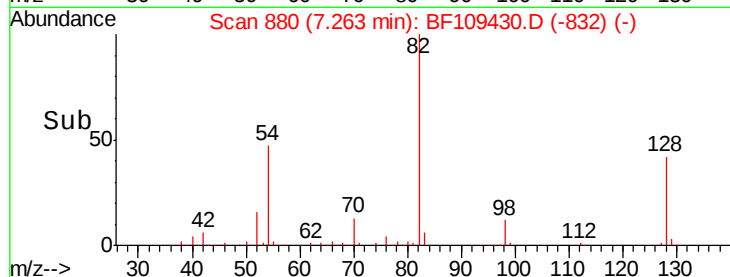
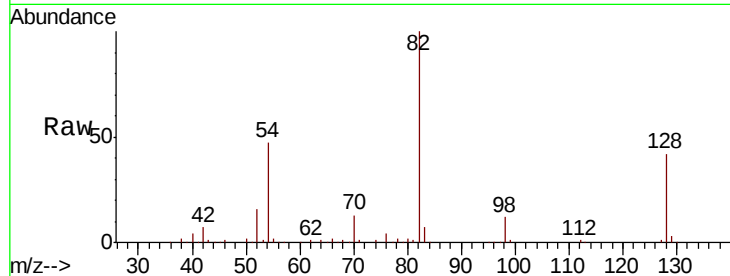




#23
 Nitrobenzene-d5
 Concen: 32.463 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

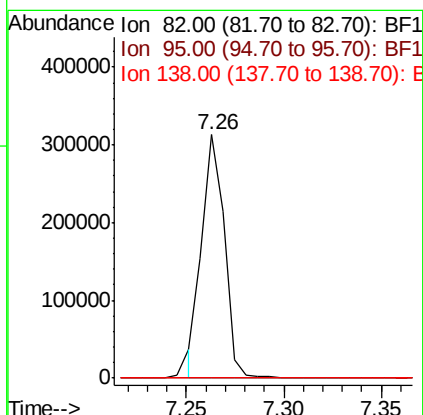
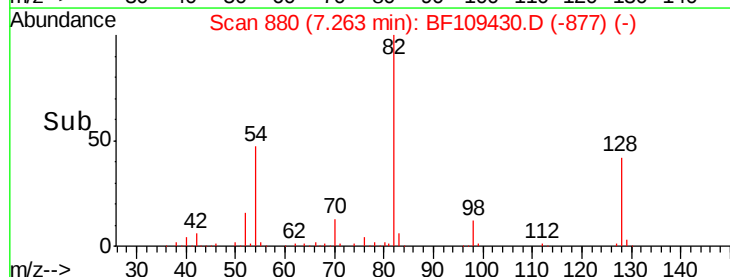
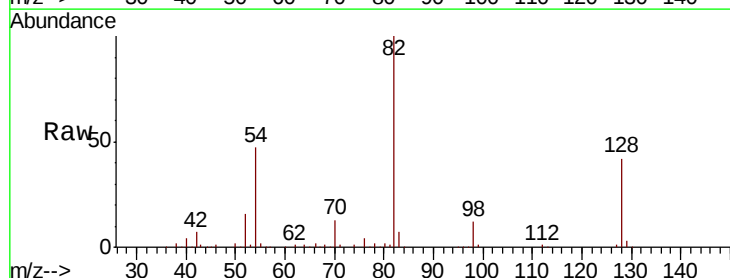
Instrument :
 BNA_G
 ClientSampled :

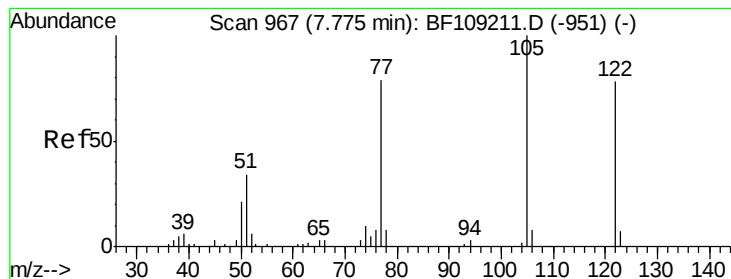
Tot Ion: 82 Resp: 267971
 Ion Ratio Lower Upper
 82 100
 128 42.1 36.1 54.1
 54 47.1 41.4 62.2



#25
 Isophorone
 Concen: 16.872 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

Tgt Ion: 82 Resp: 250795
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.2 7.8#
 138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 6.892 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.08 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

Instrument :

BNA_G

ClientSampled :

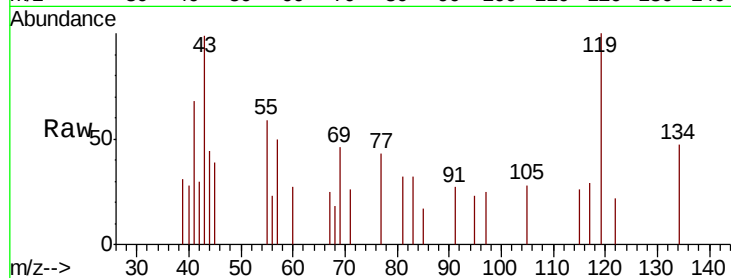
Tot Ion:122 Resp: 486

Ion Ratio Lower Upper

122 100

105 129.5 101.1 141.1

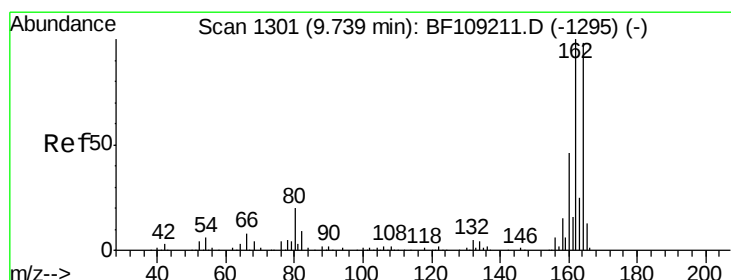
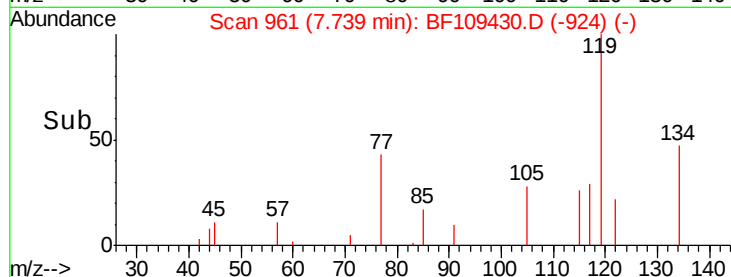
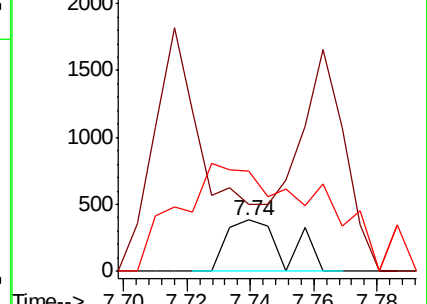
77 195.3 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

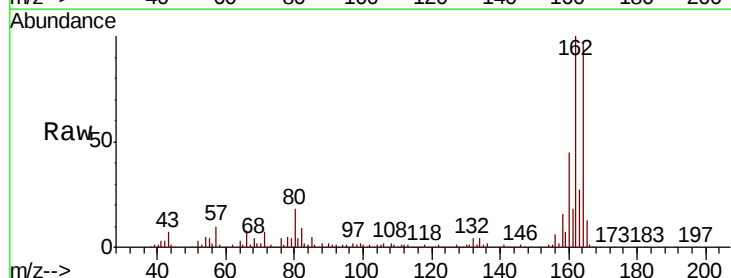
Tgt Ion:164 Resp: 209227

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

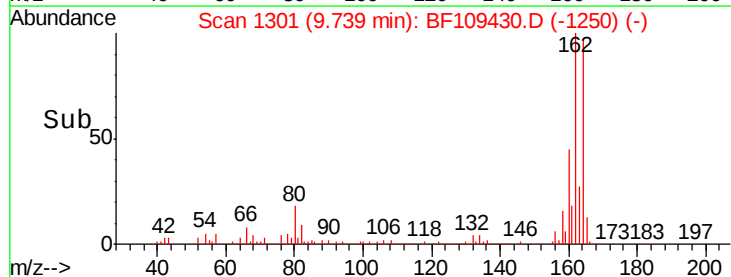
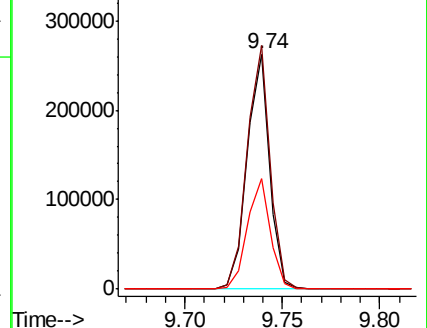
160 46.9 38.3 57.5

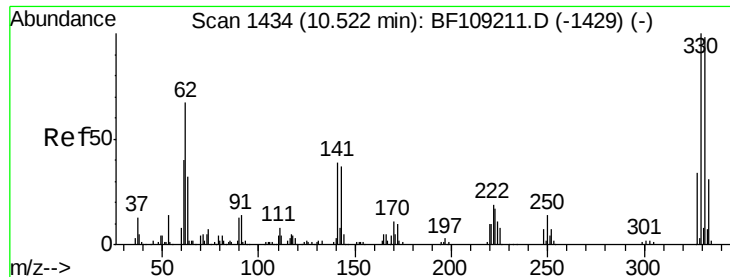


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

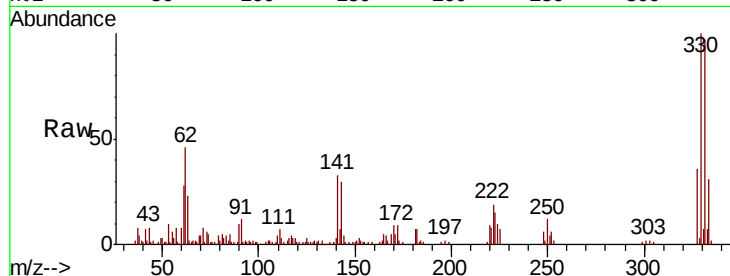




#41
 2,4,6-Tribromophenol
 Concen: 30.462 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	34.2	29.9	44.9

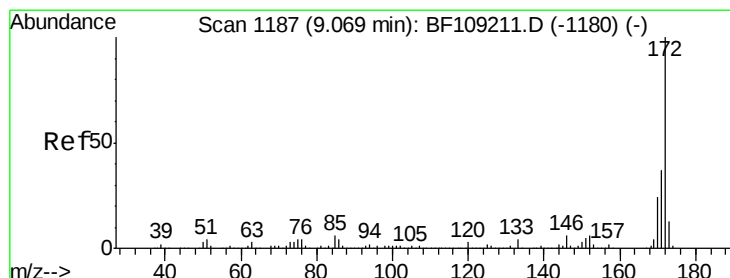
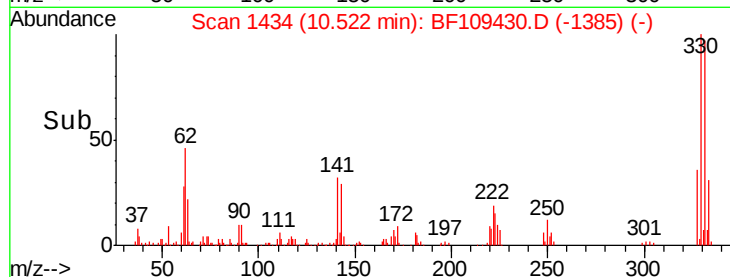
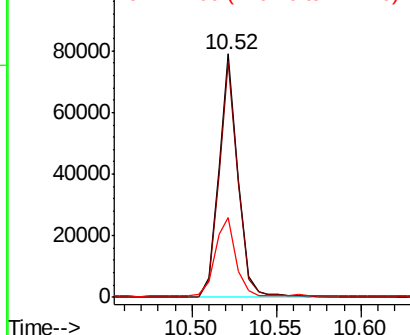


Abundance

Ion 329.80 (329.50 to 330.50): E

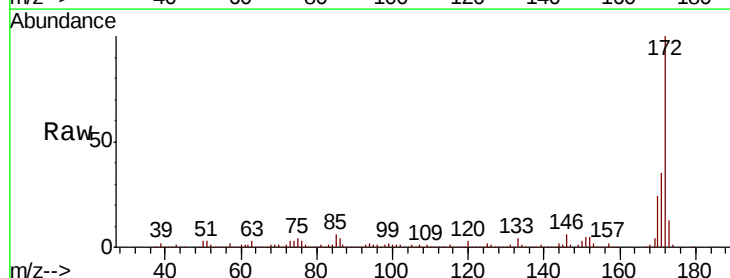
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 34.051 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.6	19.6	29.4

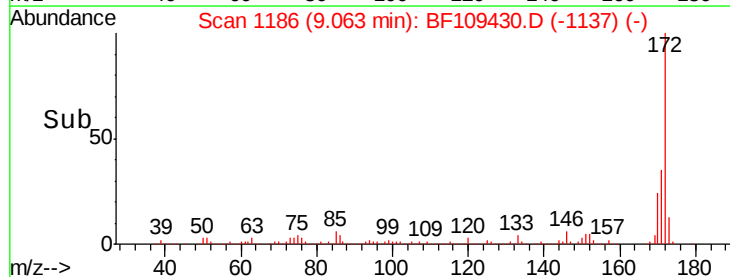
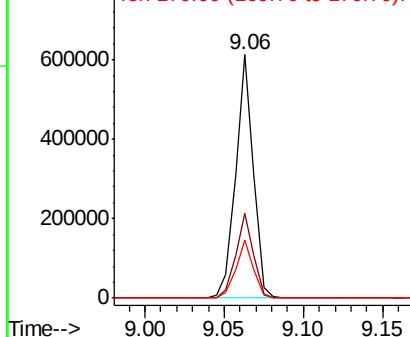


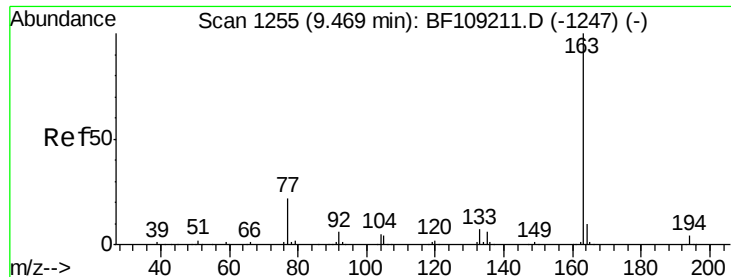
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

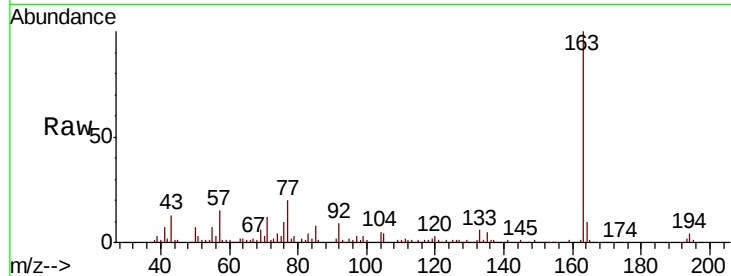




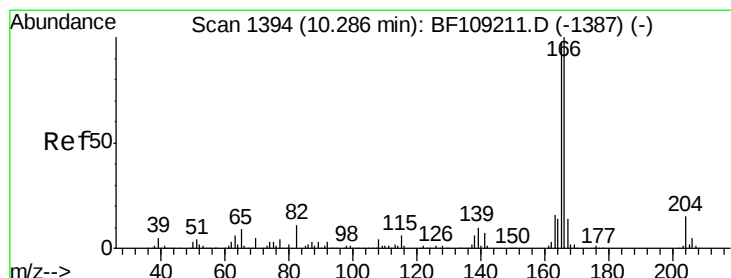
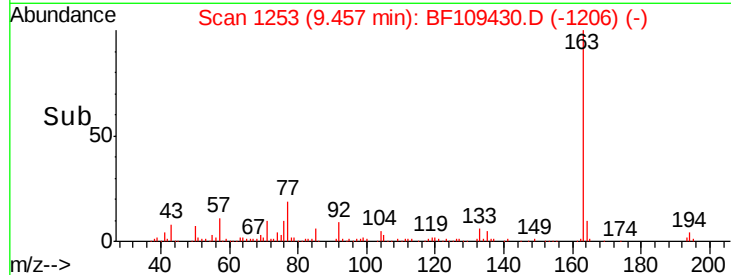
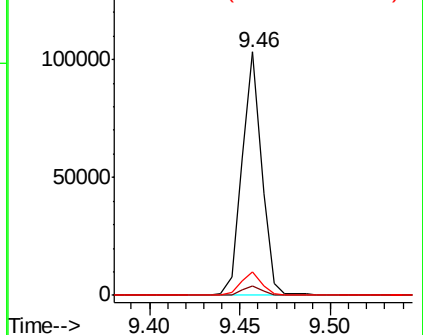
#49
Dimethylphthalate
Concen: 5.150 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 78374
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.8 8.2 12.2

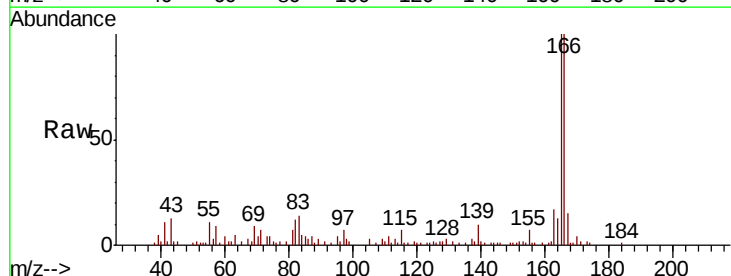


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

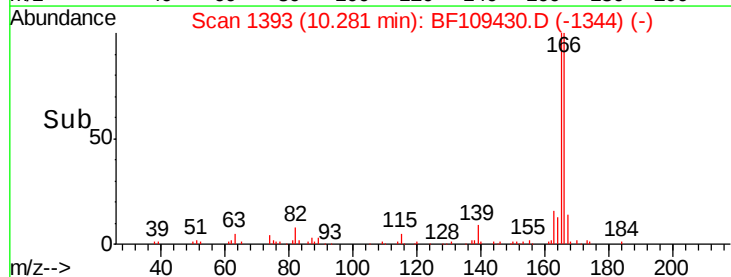
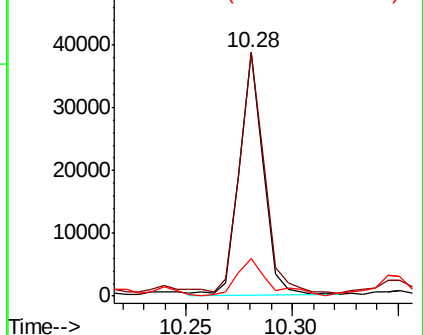


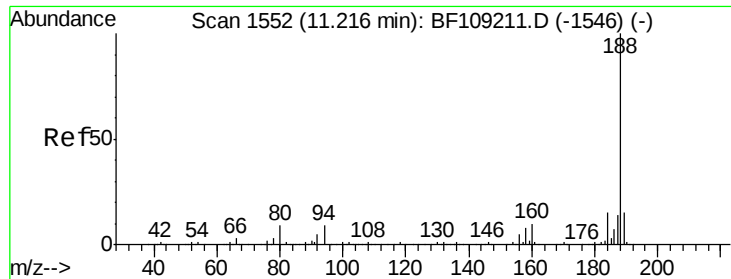
#57
Fluorene
Concen: 2.264 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion:166 Resp: 29844
Ion Ratio Lower Upper
166 100
165 100.0 79.8 119.8
167 15.4 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

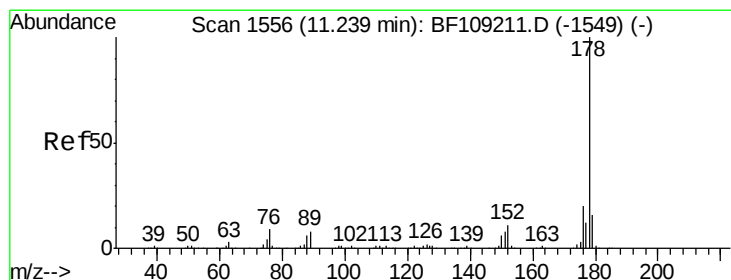
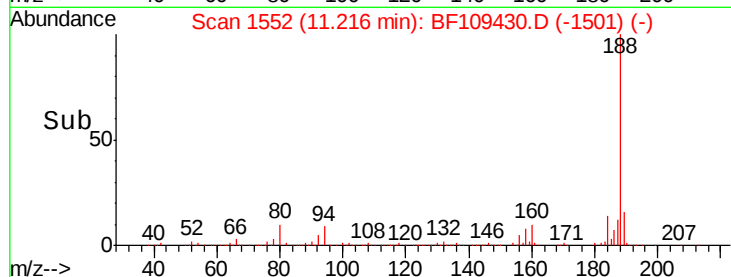
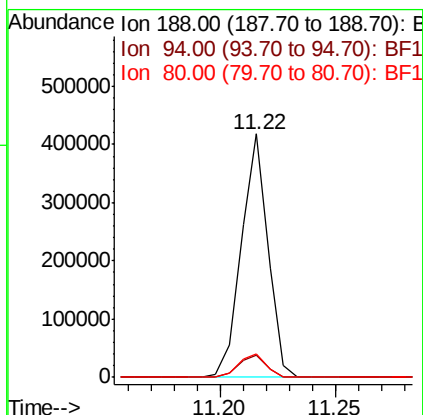
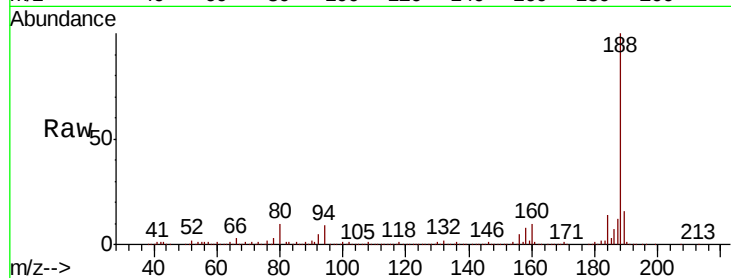




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

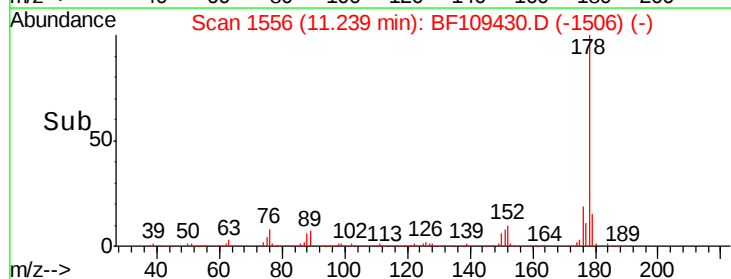
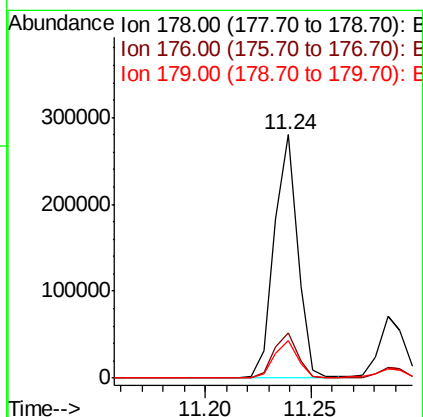
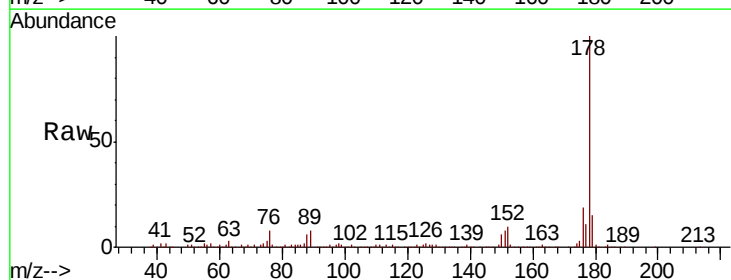
Instrument :
BNA_G
ClientSampled :

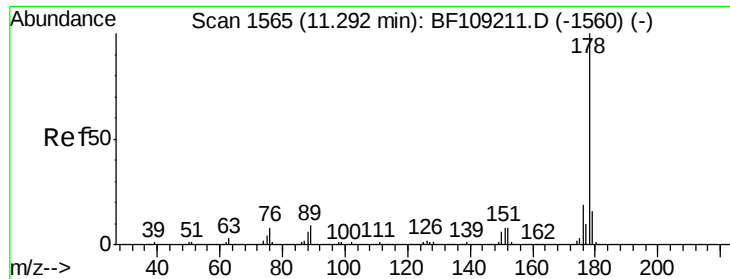
Tot Ion:188 Resp: 336380
Ion Ratio Lower Upper
188 100
94 9.0 8.5 12.7
80 9.8 9.2 13.8



#70
Phenanthrene
Concen: 12.924 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion:178 Resp: 217063
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.2 13.0 19.6

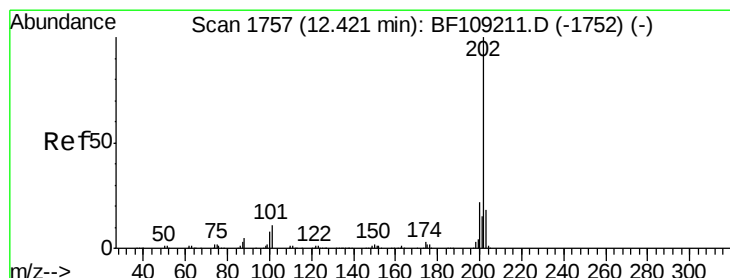
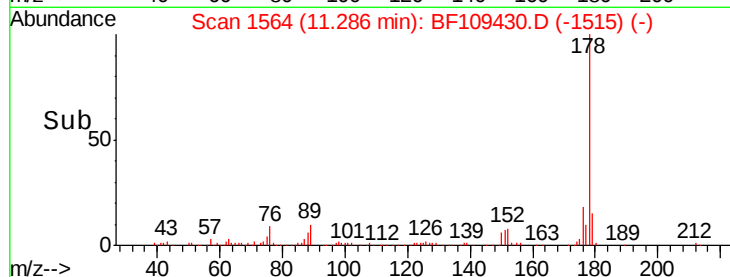
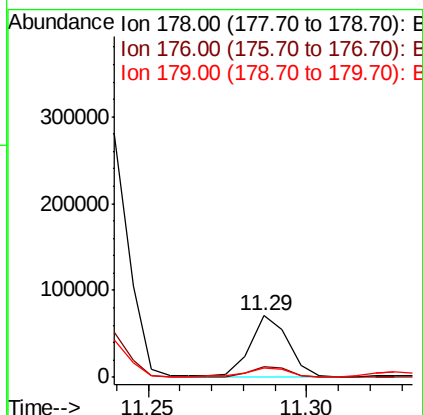
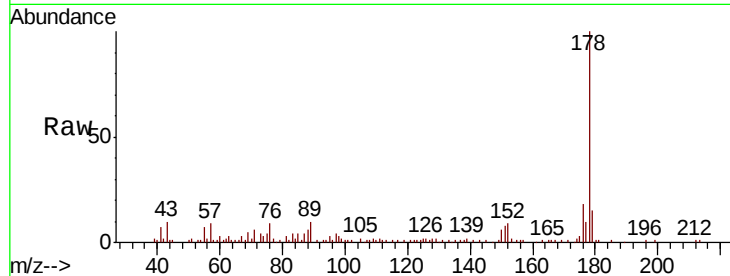




#71
 Anthracene
 Concen: 3.426 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

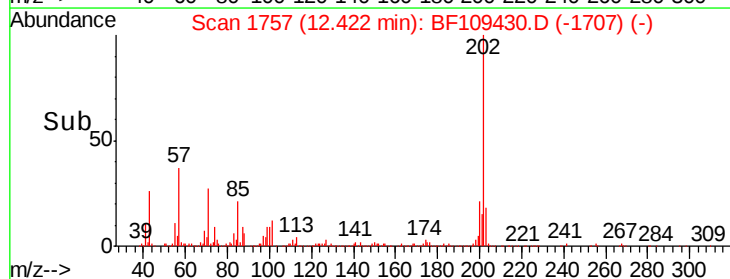
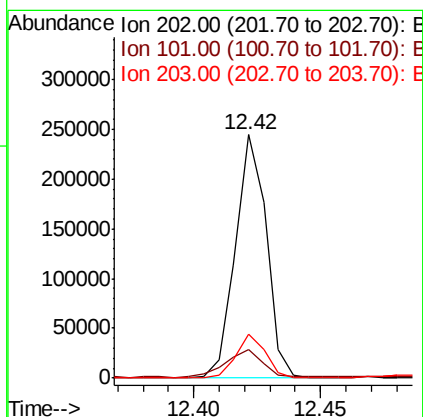
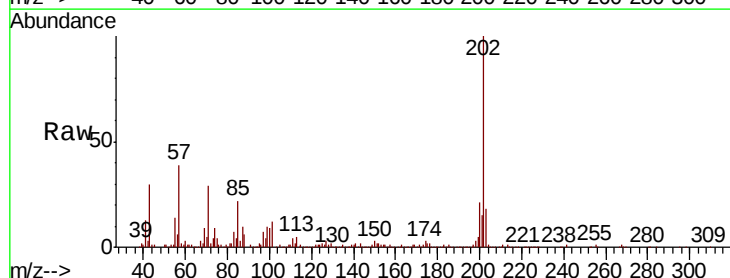
Instrument :
 BNA_G
 ClientSampleId :

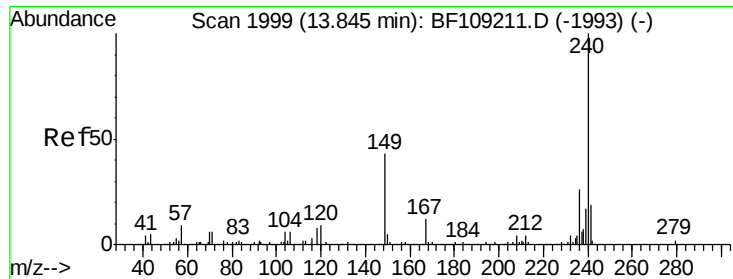
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.3	12.6	19.0



#74
 Fluoranthene
 Concen: 11.557 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109430.D

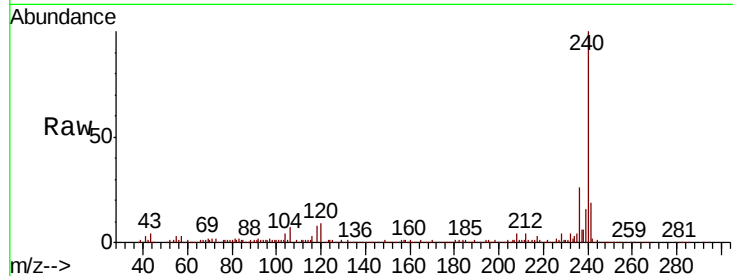
Acq: 28 Sep 2018 15:27

Instrument :

BNA_G

ClientSampleId :

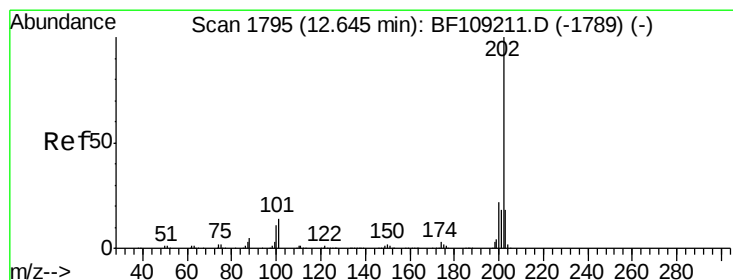
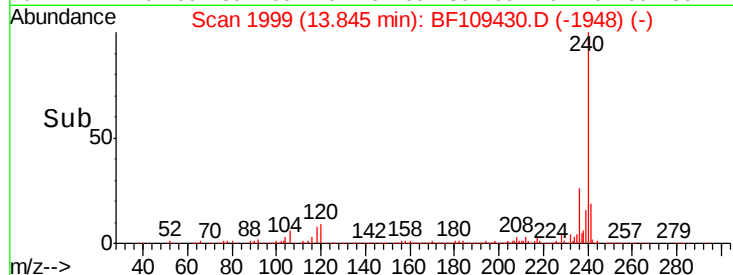
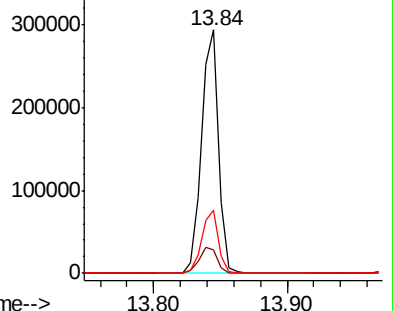
Tot Ion:	240	Resp:	264995
Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.5	14.3#
236	26.1	20.7	31.1



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



#77

Pyrene

Concen: 10.214 ng

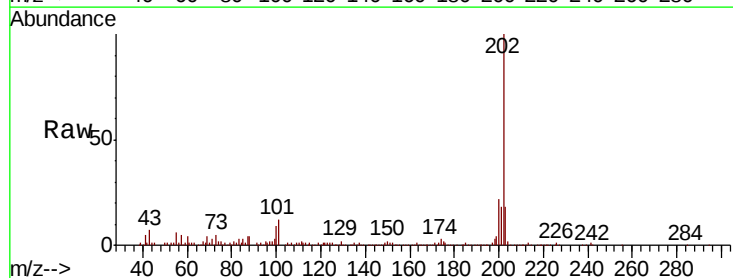
RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

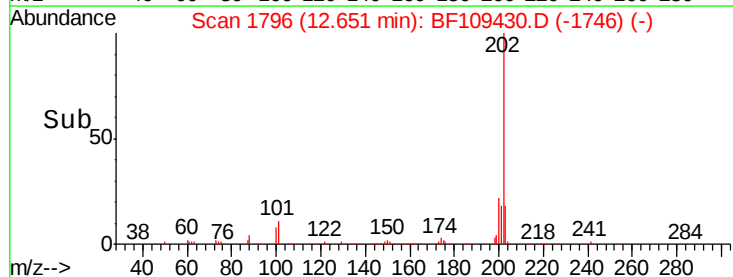
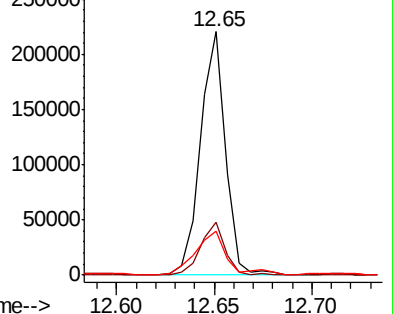
Tgt Ion:	202	Resp:	193973
Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.3	14.3	21.5

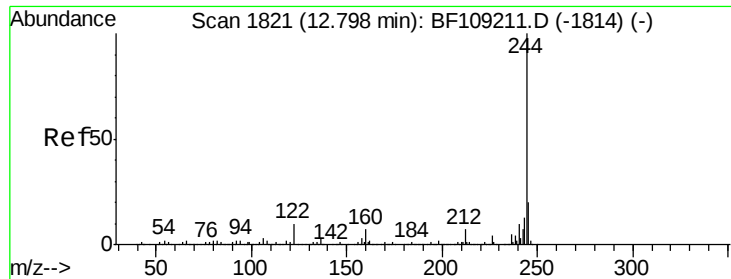


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 29.141 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

Instrument :

BNA_G

ClientSampled :

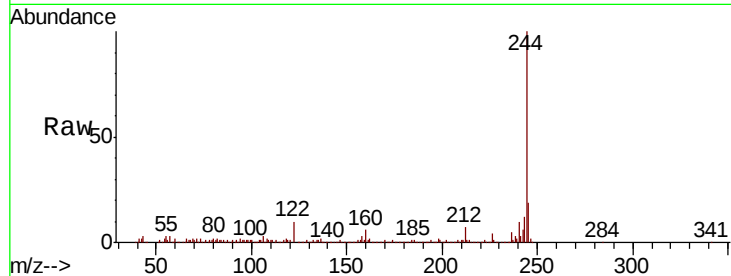
Tot Ion:244 Resp: 314660

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

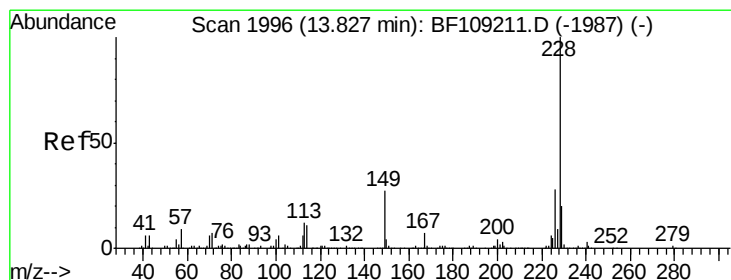
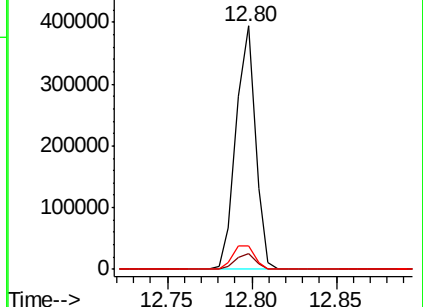
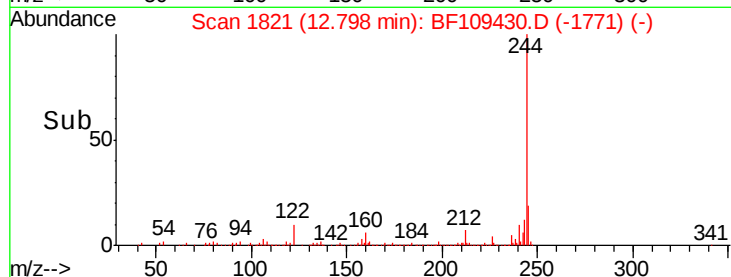
122 9.8 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 5.239 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

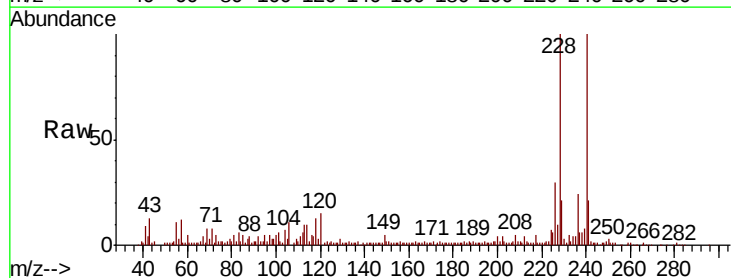
Tgt Ion:228 Resp: 83616

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

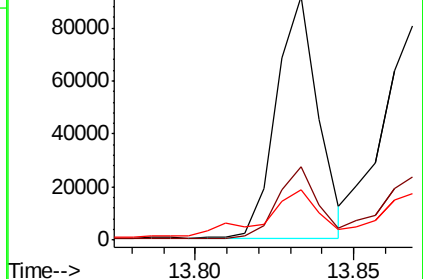
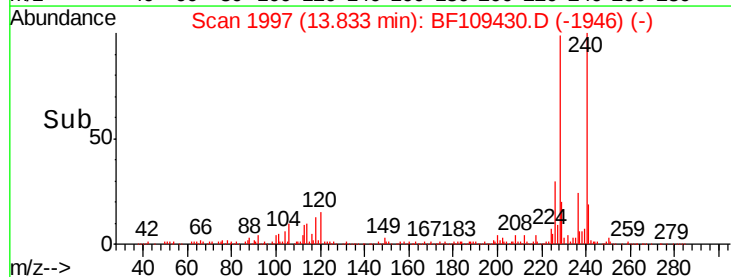
229 20.8 15.8 23.6

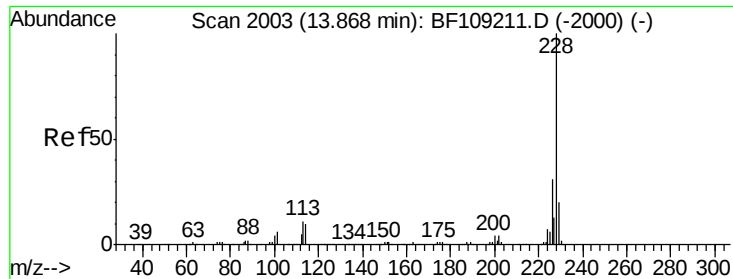


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

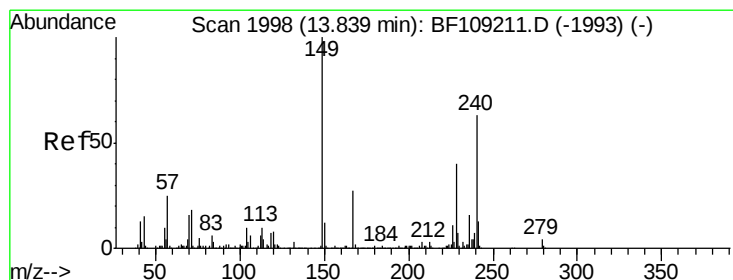
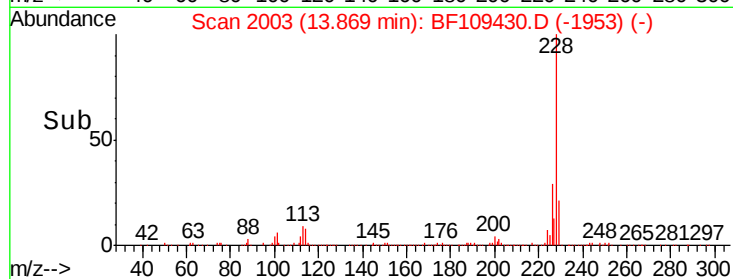
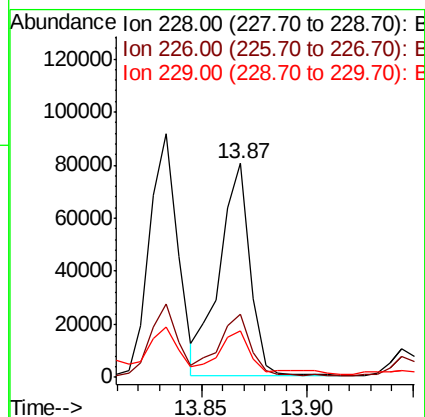
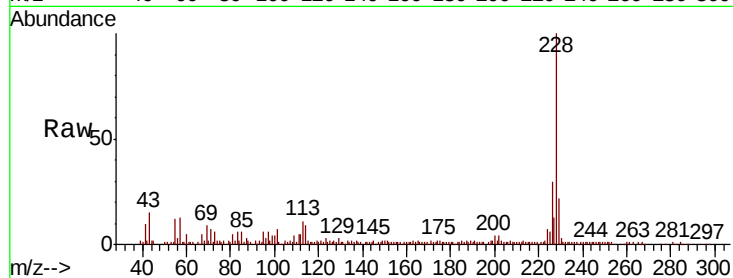




#82
Chrysene
Concen: 5.048 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

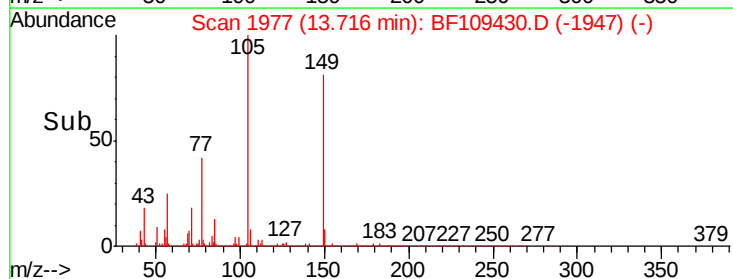
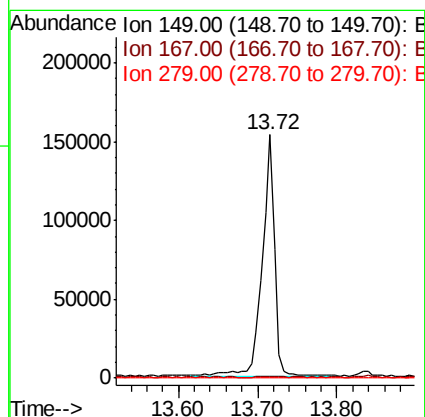
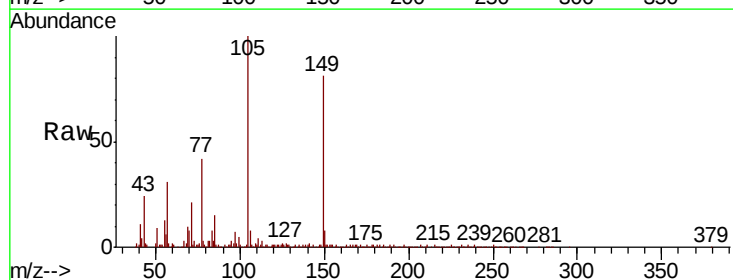
Instrument :
BNA_G
ClientSampleId :

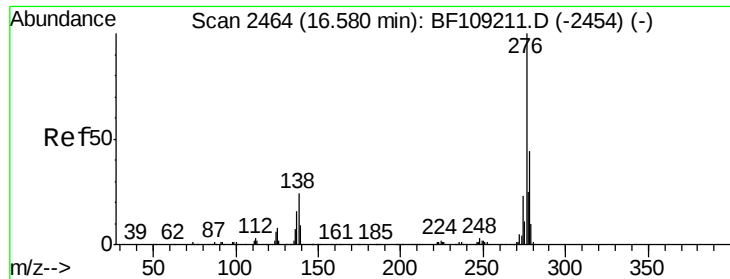
Tot Ion:228 Resp: 79868
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 21.8 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 16.400 ng
RT: 13.72 min Scan# 1977
Delta R.T. -0.12 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion:149 Resp: 167115
Ion Ratio Lower Upper
149 100
167 0.6 21.3 31.9#
279 0.0 3.0 4.4#

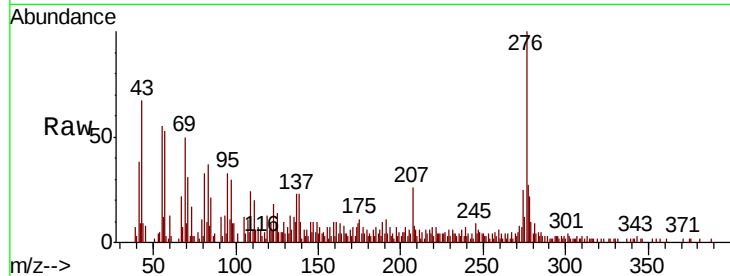




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.516 ng
 RT: 16.60 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.0	37.6#
277	22.9	20.1	30.1

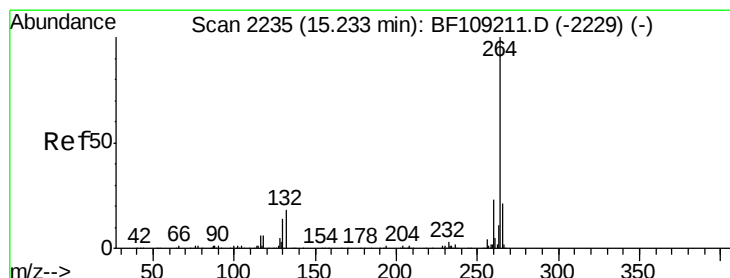
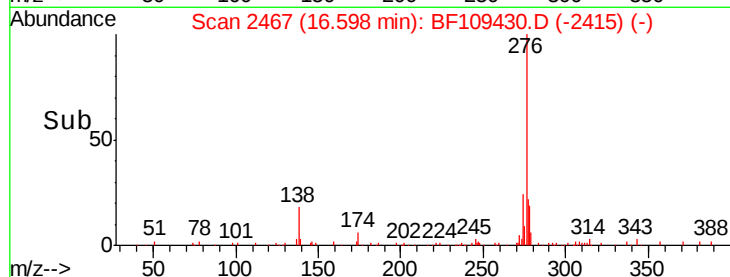
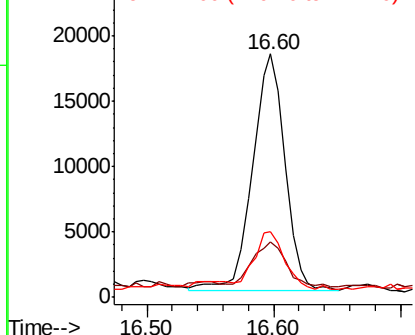


Abundance

Ion 276.00 (275.70 to 276.70): E

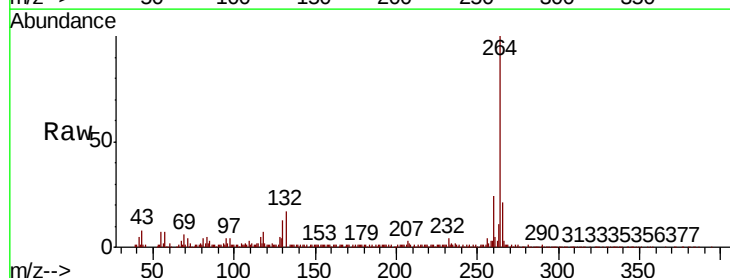
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.4	17.5	26.3

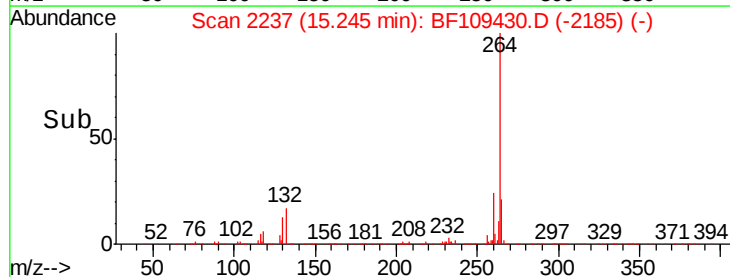
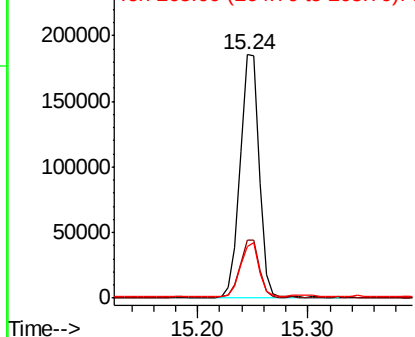


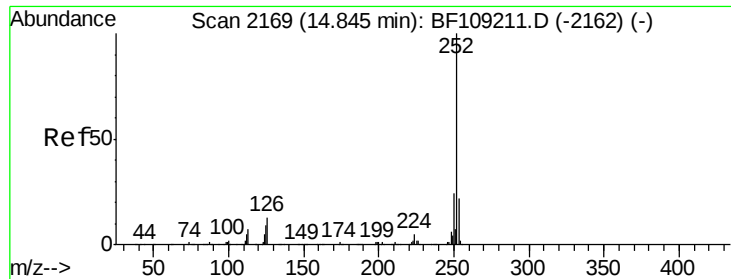
Abundance

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

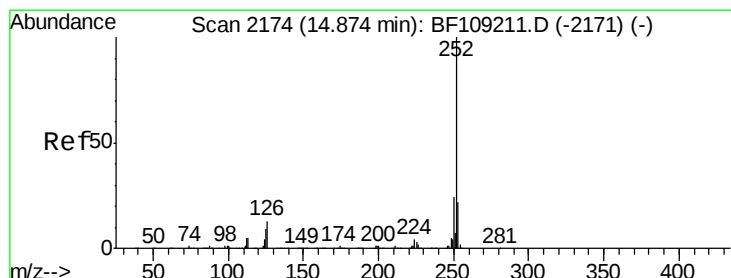
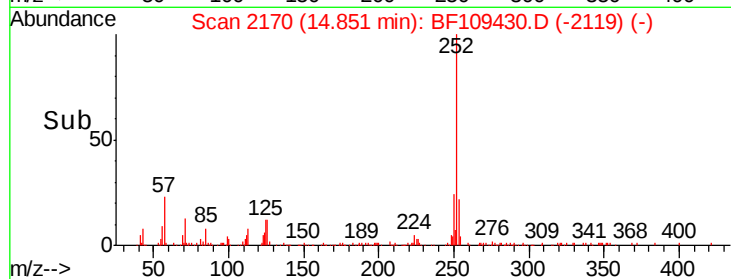
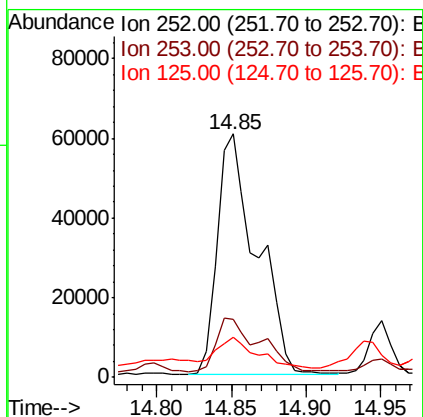
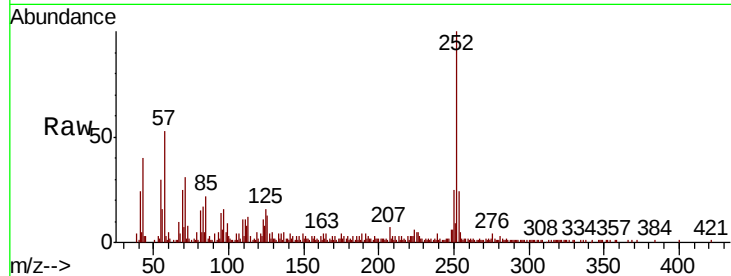




#87
Benzo(b)fluoranthene
Concen: 8.881 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

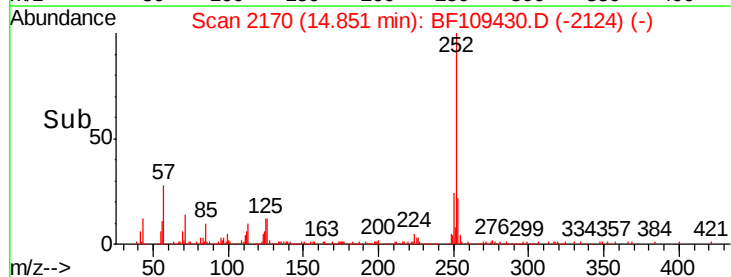
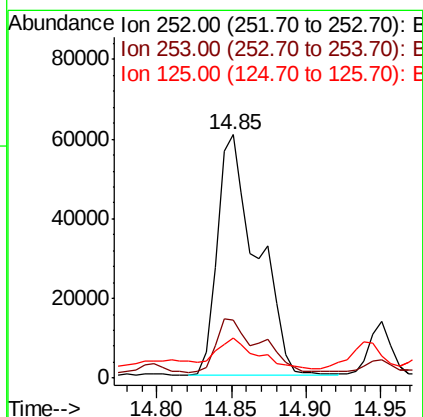
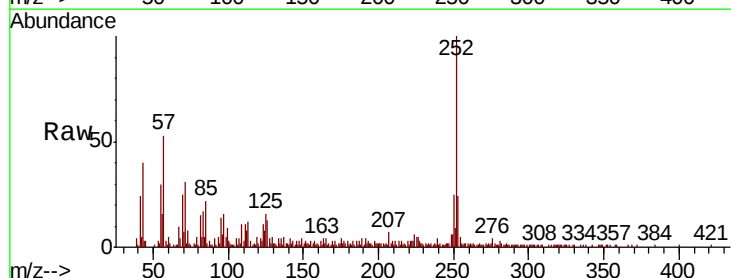
Instrument :
BNA_G
ClientSampleId :

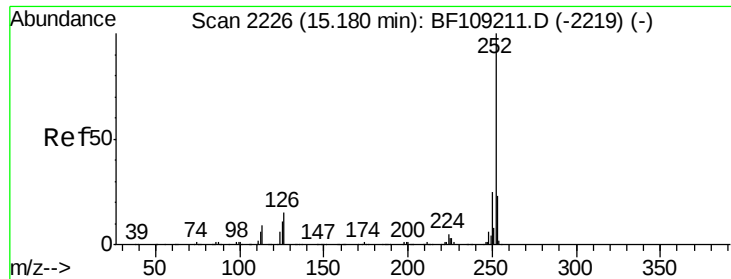
Tot Ion:252 Resp: 110418
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 16.4 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 9.359 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion:252 Resp: 110418
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 16.4 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 5.383 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

Instrument :

BNA_G

ClientSampleId :

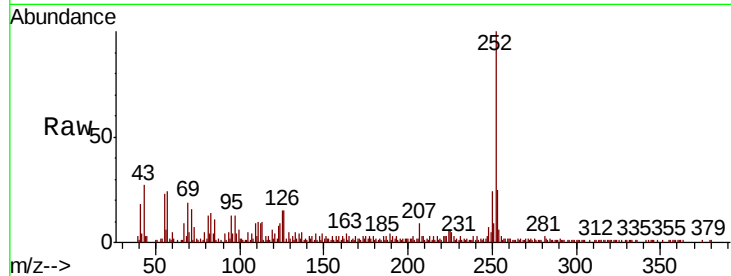
Tot Ion:252 Resp: 60305

Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

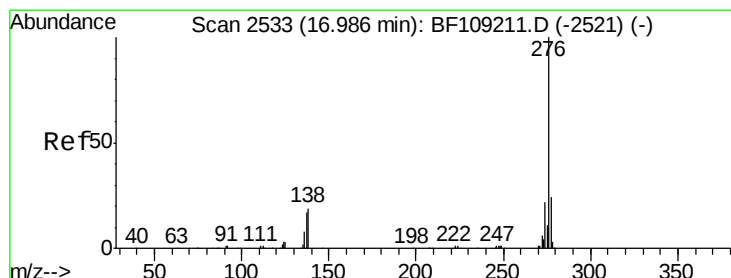
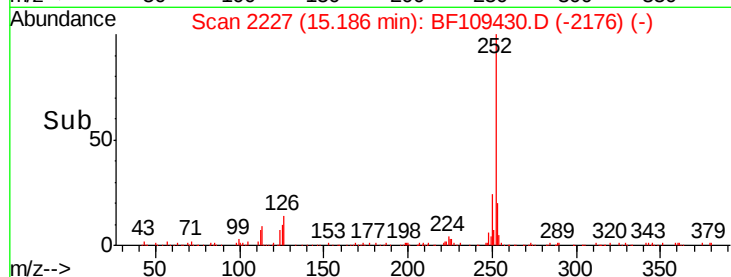
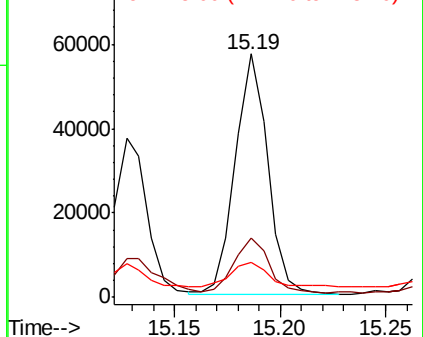
125 14.5 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 3.386 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

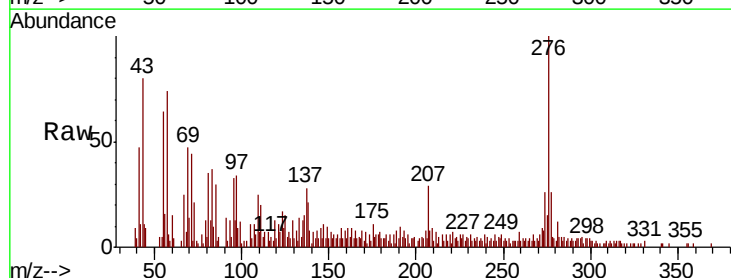
Tgt Ion:276 Resp: 30589

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 21.3 21.8 32.8#



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

