

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099302.D
 Acq On : 10 Oct 2017 15:38
 Operator : SJ/JU
 Sample : I5708-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 10 16:41:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	107547	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	413379	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	162034	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	236387	20.00	ng	0.00
75) Chrysene-d12	14.03	240	197079	20.00	ng	0.00
86) Perylene-d12	15.50	264	161435	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	143370	21.22	ng	0.00
7) Phenol-d6	6.49	99	168638	20.23	ng	-0.01
23) Nitrobenzene-d5	7.42	82	90296	14.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	21181	15.98	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	187282	19.30	ng	-0.01
78) Terphenyl-d14	12.96	244	123771	14.28	ng	-0.01

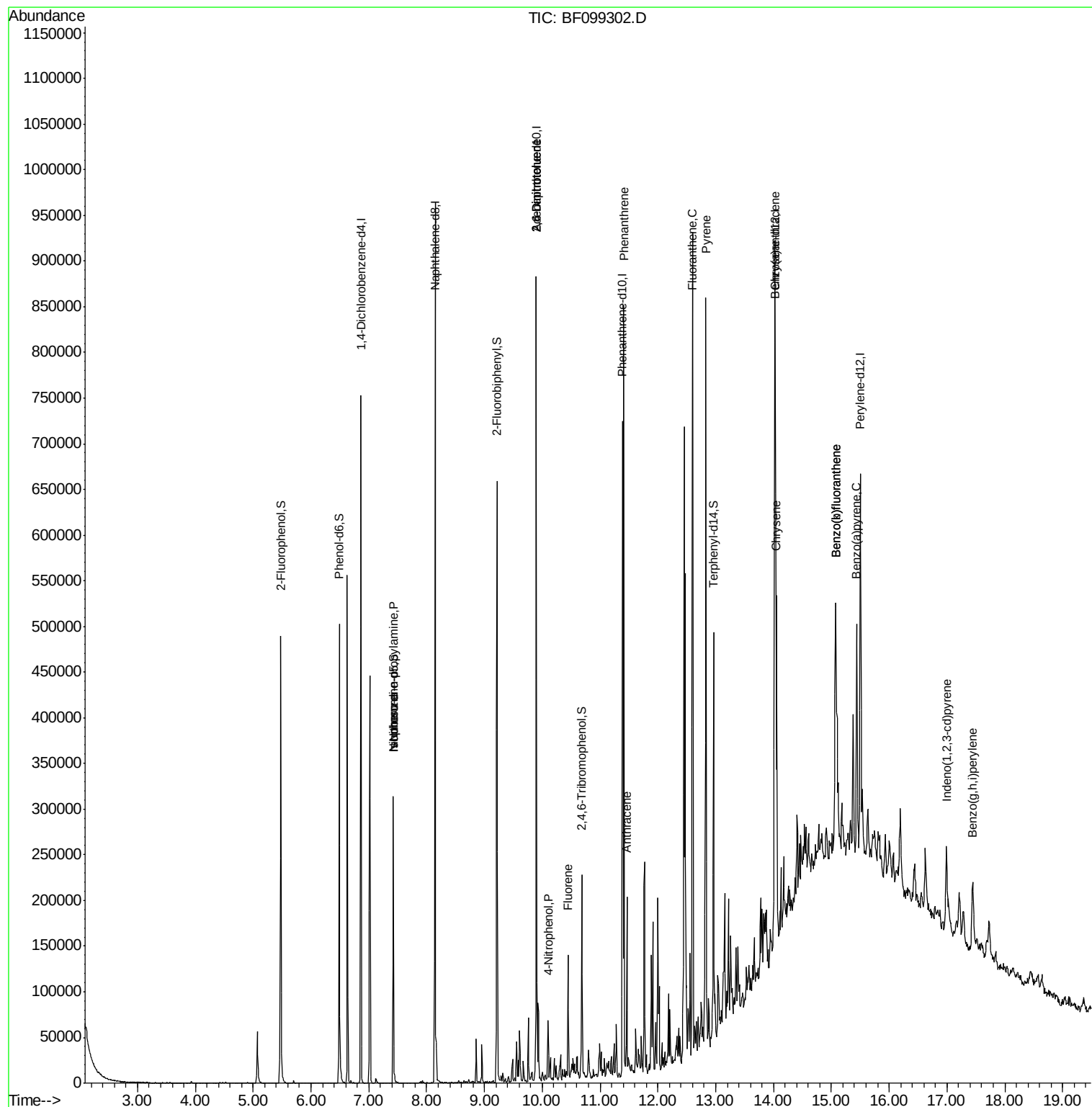
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.42	70	11218	2.108	ng	# 75
25) Isophorone	7.42	82	90295	6.775	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	20804	7.814	ng	# 25
55) 4-Nitrophenol	10.10	139	8158	3.108	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	20804	6.021	ng	# 22
57) Fluorene	10.45	166	35575	3.279	ng	98
70) Phenanthrene	11.41	178	282478	22.325	ng	98
71) Anthracene	11.46	178	70611	5.454	ng	96
74) Fluoranthene	12.60	202	351383	27.425	ng	99
77) Pyrene	12.83	202	329420	21.920	ng	99
80) Benzo(a)anthracene	14.02	228	157258	13.178	ng	99
82) Chrysene	14.05	228	141262	12.434	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	52439	5.770	ng	98
87) Benzo(b)fluoranthene	15.07	252	203585	20.511	ng	# 93
88) Benzo(k)fluoranthene	15.07	252	203585	20.766	ng	# 96
89) Benzo(a)pyrene	15.44	252	109897	12.062	ng	# 95
91) Benzo(a,h,i)perylene	17.44	276	55746	7.734	ng	94

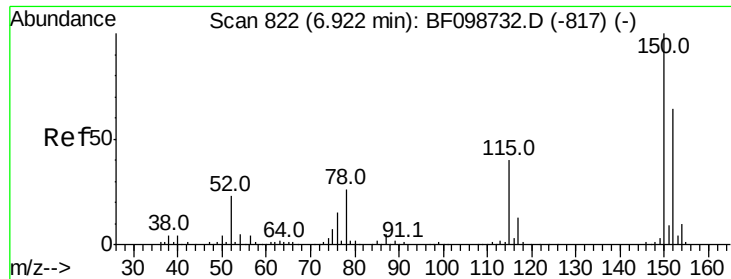
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099302.D
Acq On : 10 Oct 2017 15:38
Operator : SJ/JU
Sample : I5708-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 10 16:41:44 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 05 17:20:48 2017
Response via : Initial Calibration



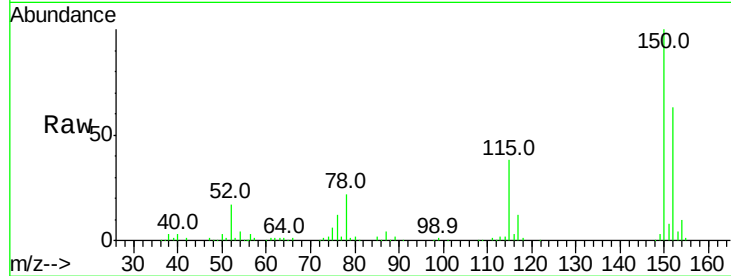


#1

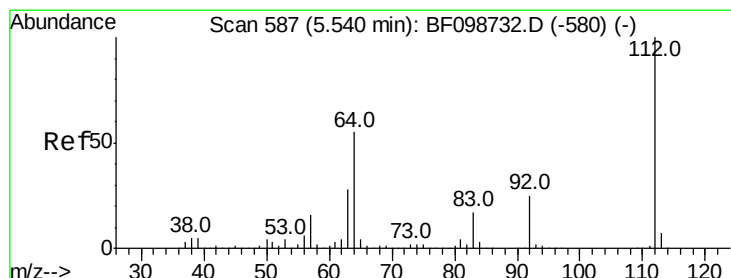
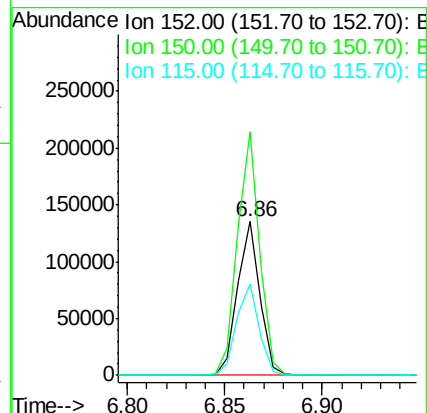
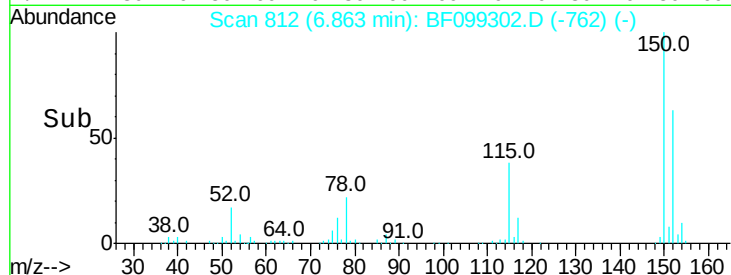
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099302.D
 Acq: 10 Oct 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 107547
 Ion Ratio Lower Upper
 152 100
 150 158.5 124.6 186.8
 115 59.6 50.1 75.1



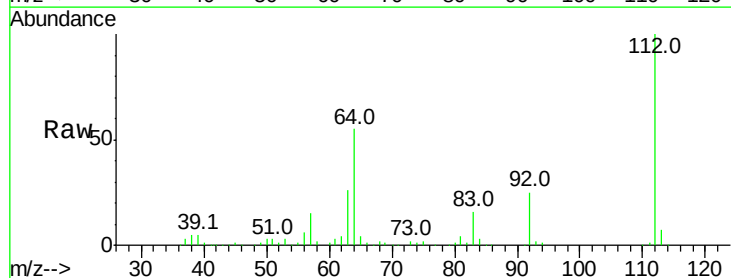
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



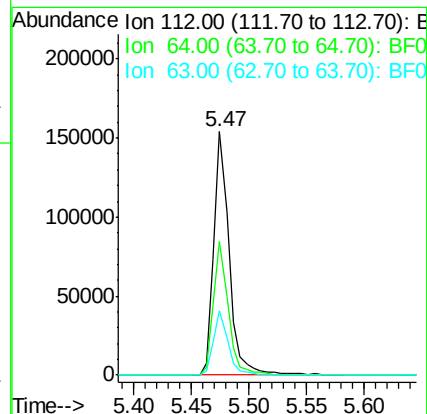
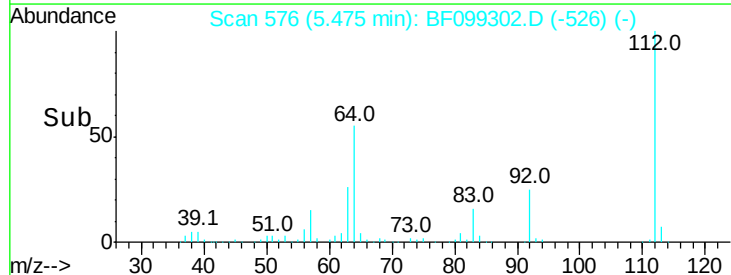
#5

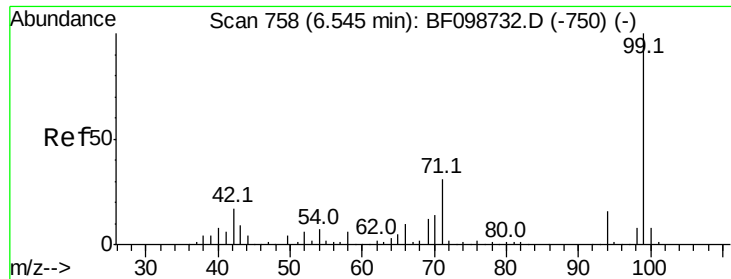
2-Fluorophenol
 Concen: 21.221 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF099302.D
 Acq: 10 Oct 2017 15:38

Tgt Ion:112 Resp: 143370
 Ion Ratio Lower Upper
 112 100
 64 55.1 47.9 71.9
 63 26.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.235 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

ClientSampled :

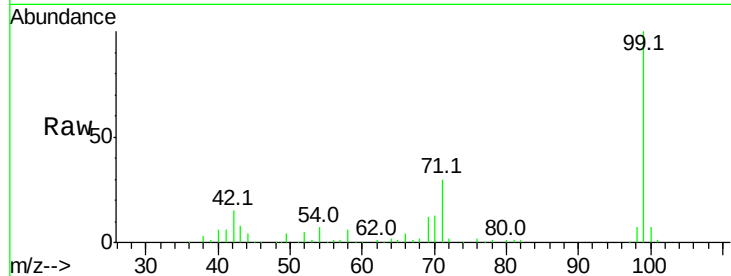
Tot Ion: 99 Resp: 168638

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

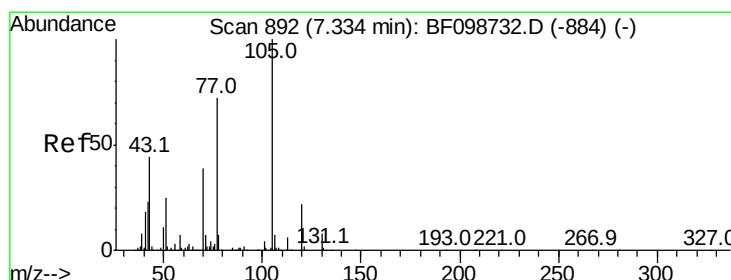
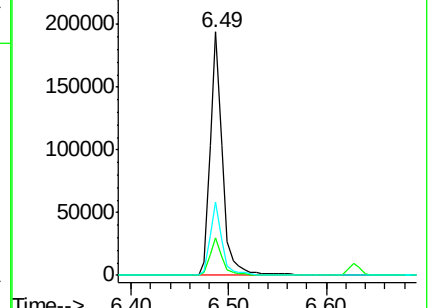
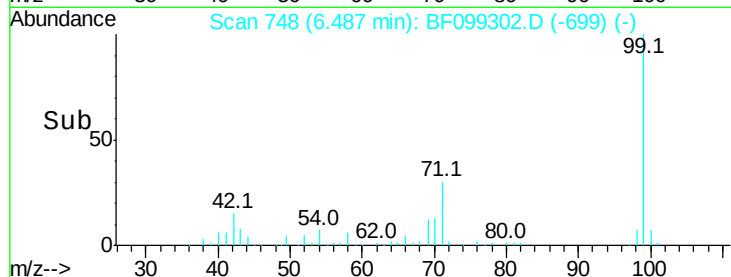
71 30.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.108 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Tgt Ion: 70 Resp: 11218

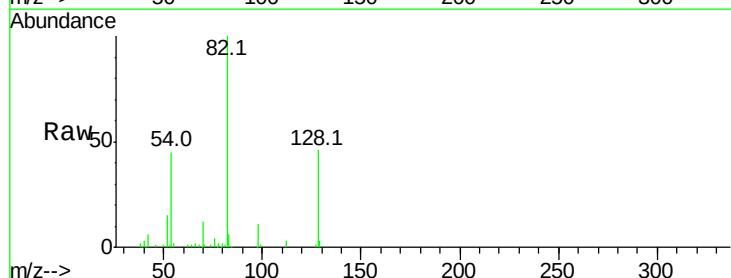
Ion Ratio Lower Upper

70 100

42 45.8 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

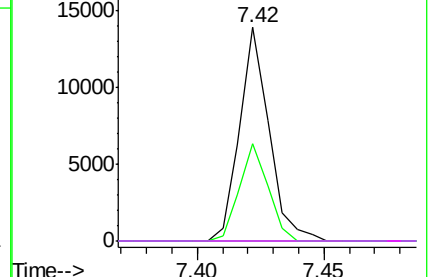
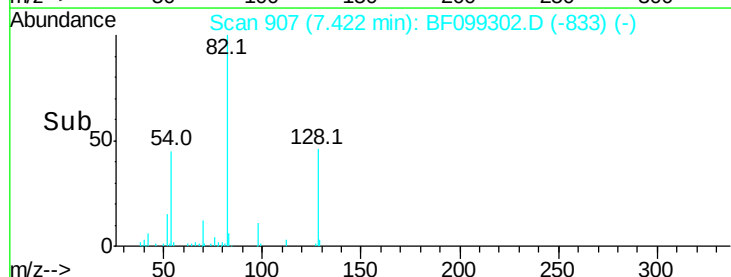


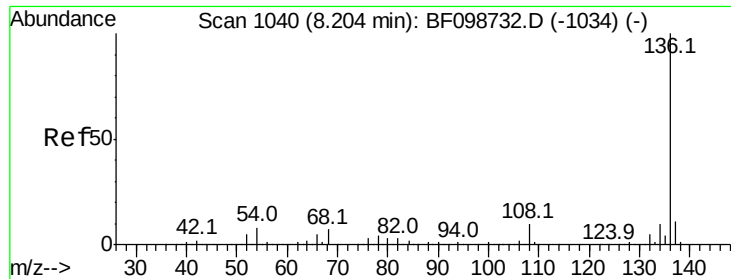
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

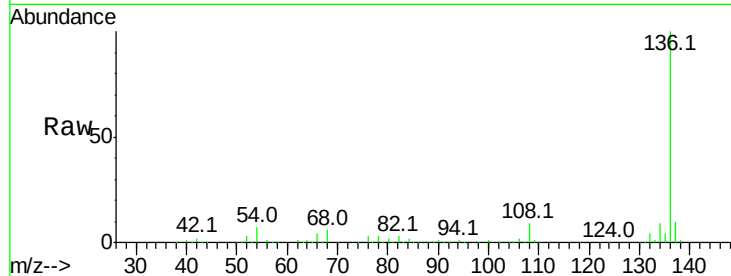




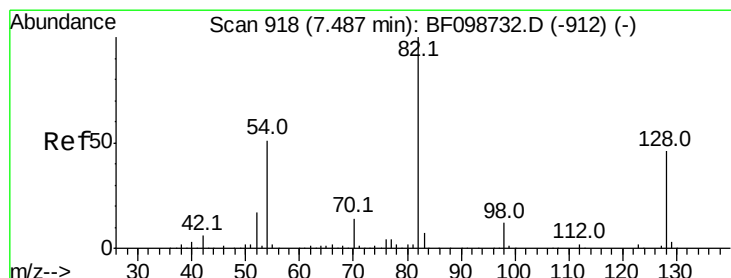
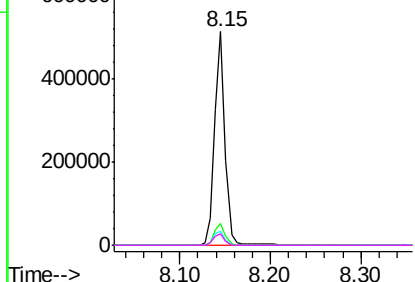
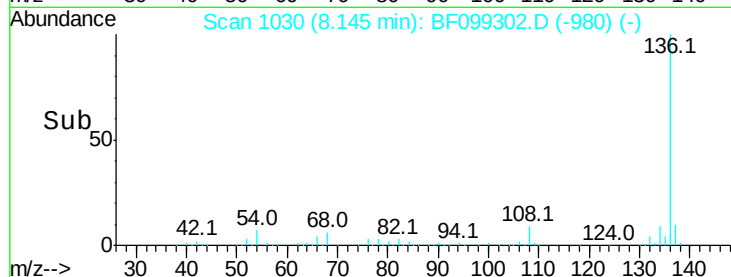
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	413379
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	6.8	6.6	9.8
68	5.5	5.0	7.4

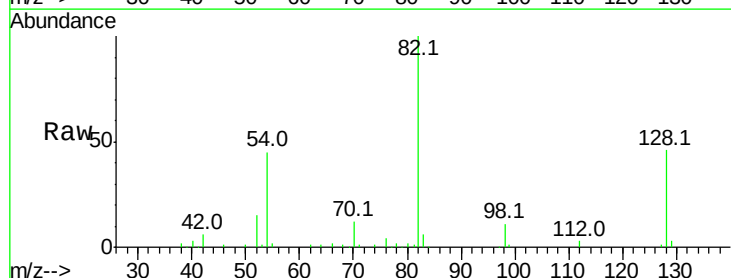


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
600000
Ion 54.00 (53.70 to 54.70): BF0
400000
Ion 68.00 (67.70 to 68.70): BF0
200000
0

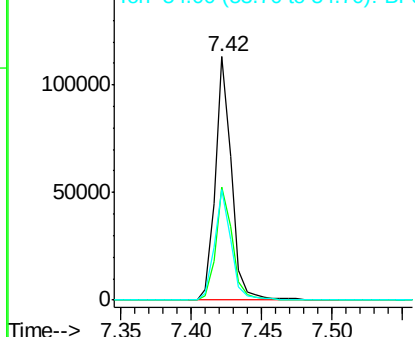
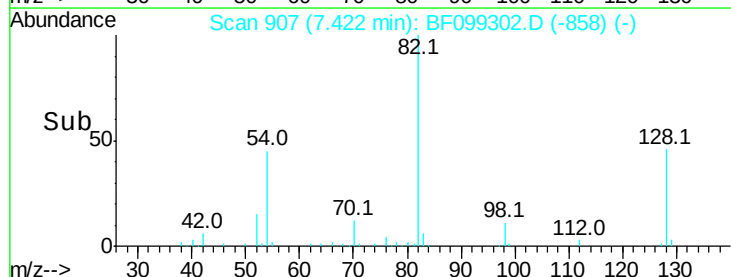


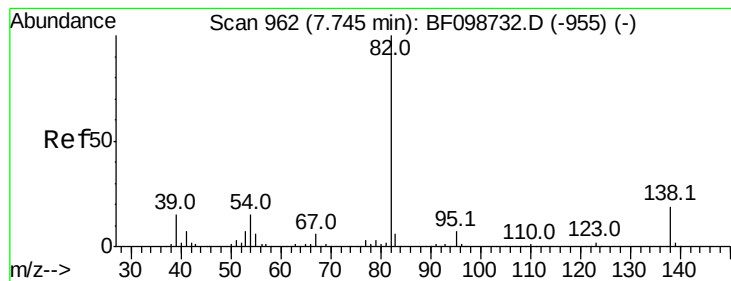
#23
Nitrobenzene-d5
Concen: 14.008 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Tgt Ion:	82	Resp:	90296
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	45.2	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
150000
Ion 128.00 (127.70 to 128.70): E
100000
Ion 54.00 (53.70 to 54.70): BF0
50000
0





#25

Isophorone

Concen: 6.775 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.27 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

ClientSampled :

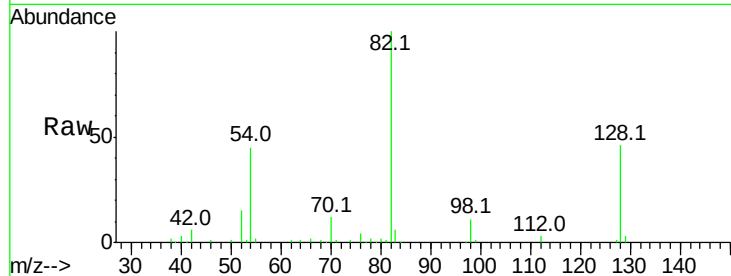
Tot Ion: 82 Resp: 90295

Ion Ratio Lower Upper

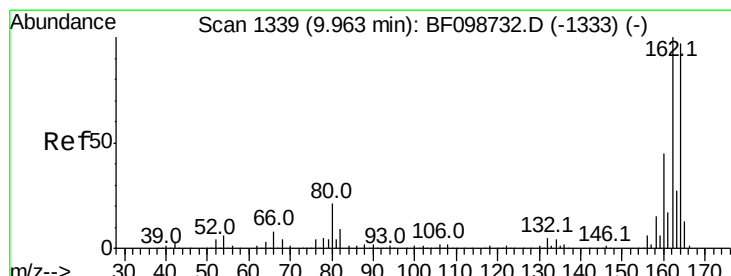
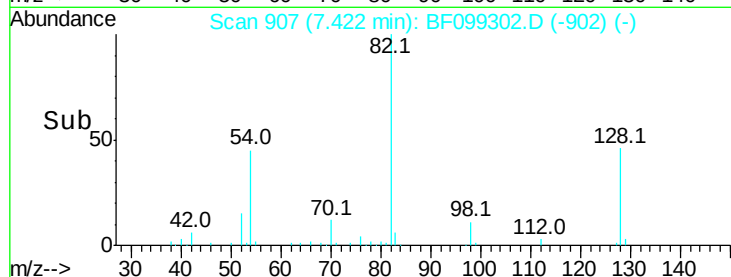
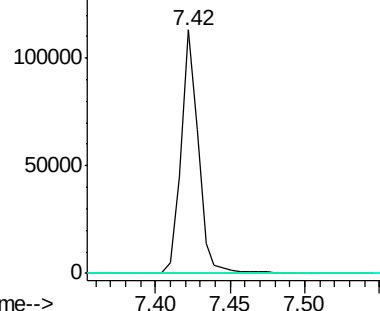
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

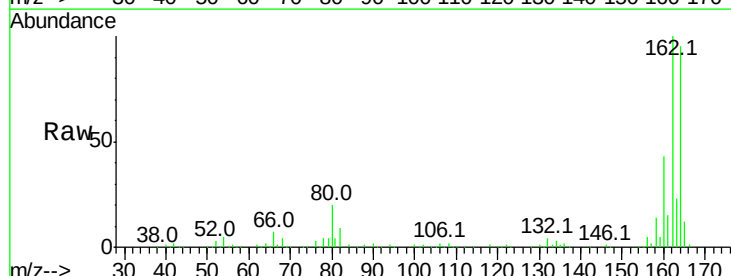
Tgt Ion:164 Resp: 162034

Ion Ratio Lower Upper

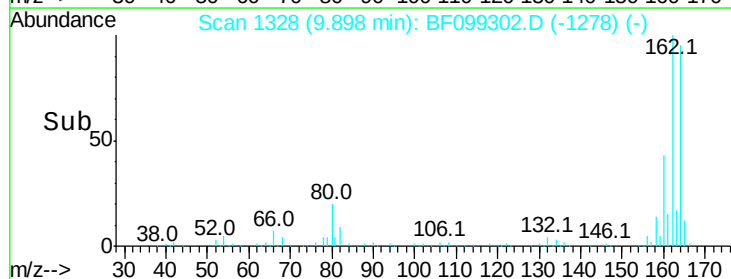
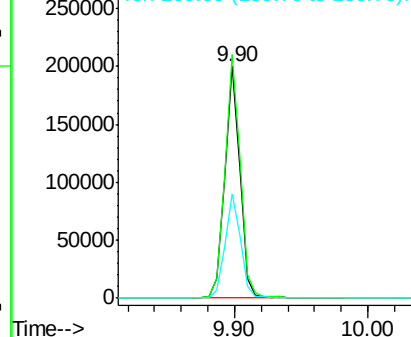
164 100

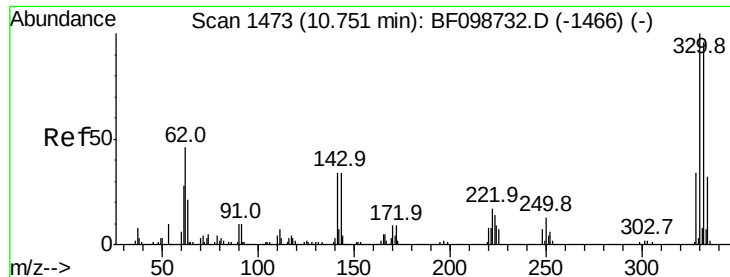
162 105.1 86.1 129.1

160 45.1 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: 15.975 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

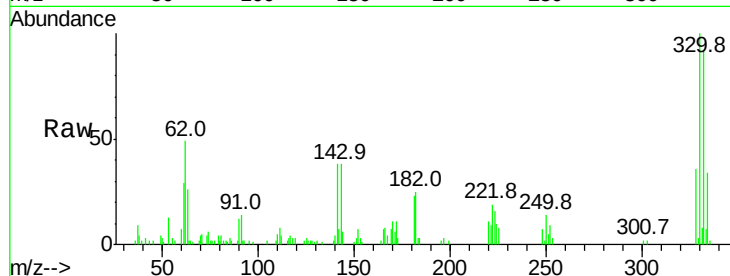
Tot Ion:330 Resp: 21181

Ion Ratio Lower Upper

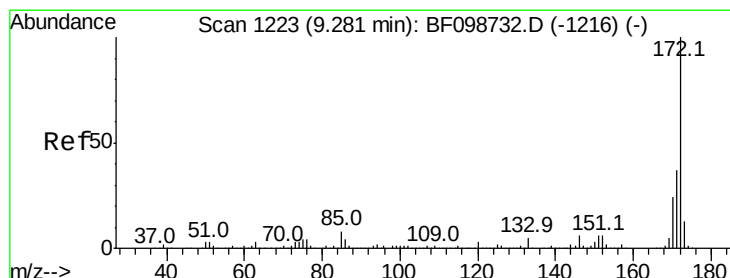
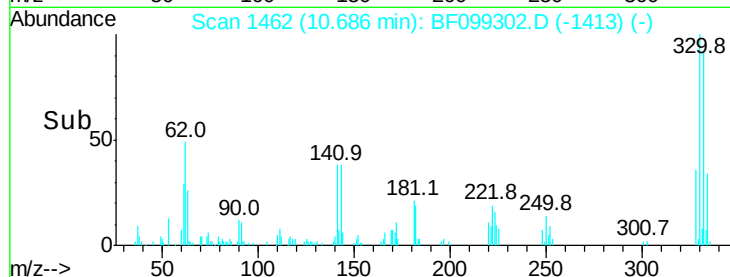
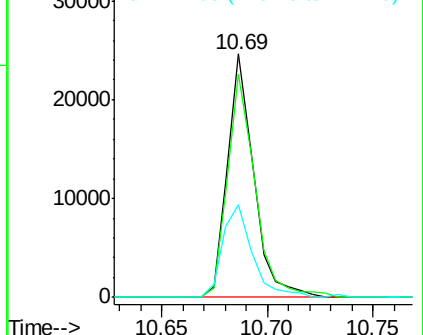
330 100

332 95.6 77.0 115.6

141 43.1 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: 19.295 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

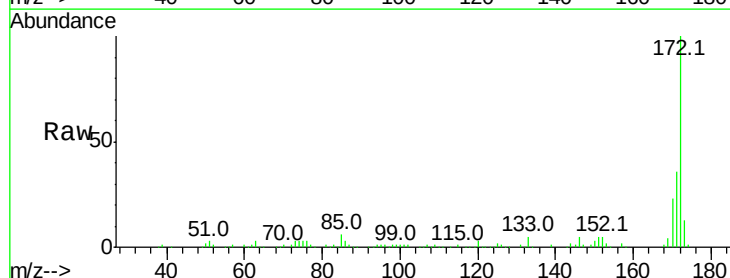
Tgt Ion:172 Resp: 187282

Ion Ratio Lower Upper

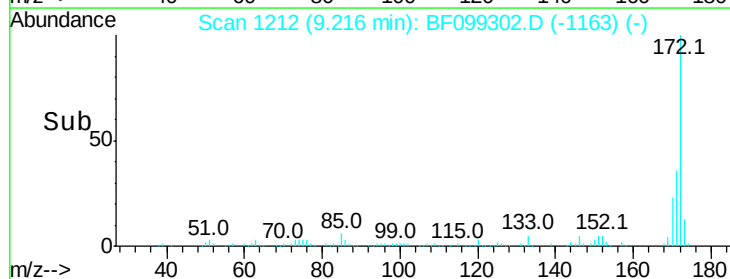
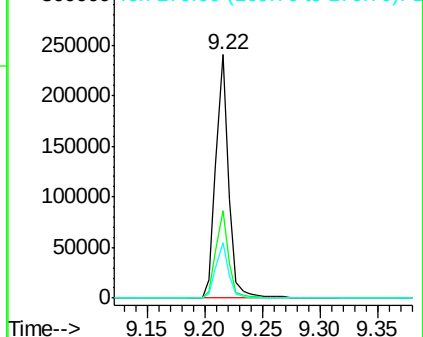
172 100

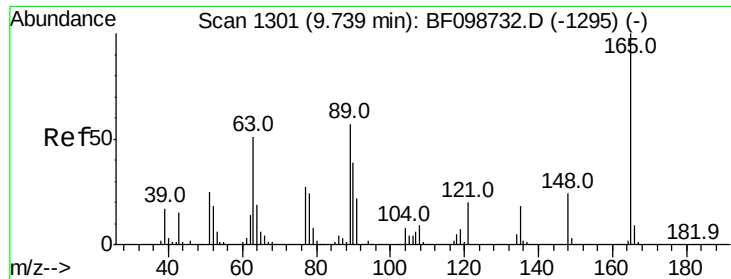
171 35.7 29.7 44.5

170 22.5 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

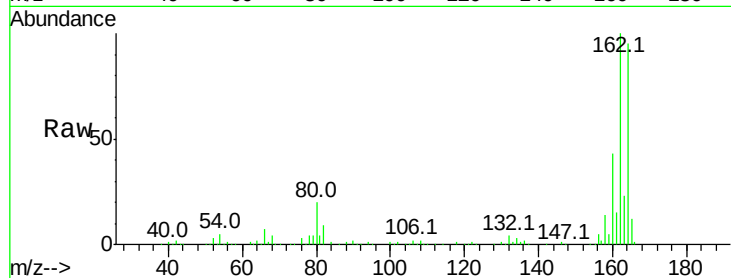




#50
2,6-Dinitrotoluene
Concen: 7.814 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :

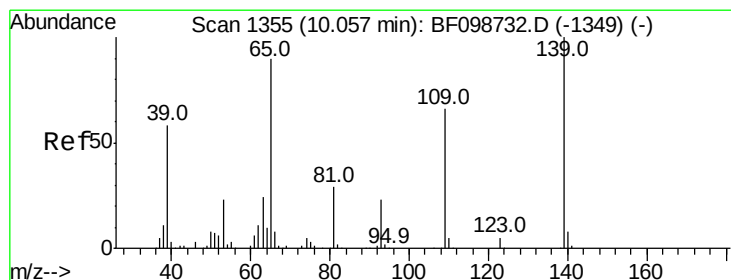
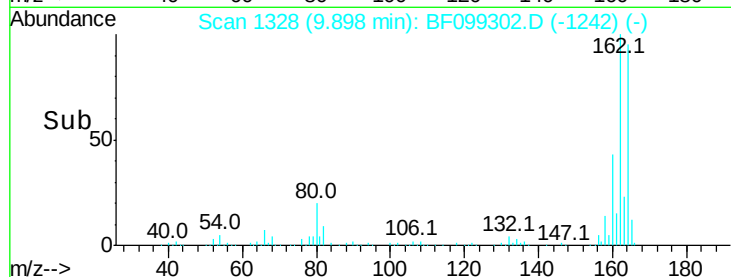
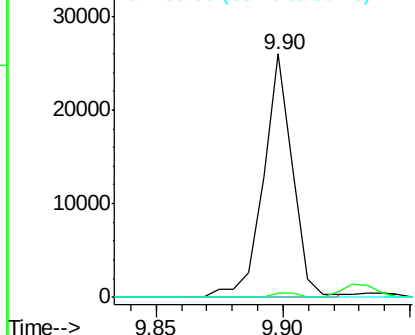
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

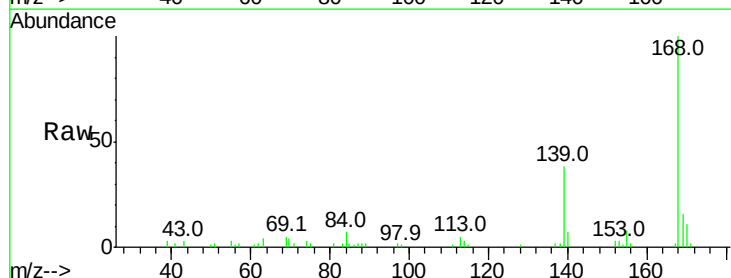
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#55
4-Nitrophenol
Concen: 3.108 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

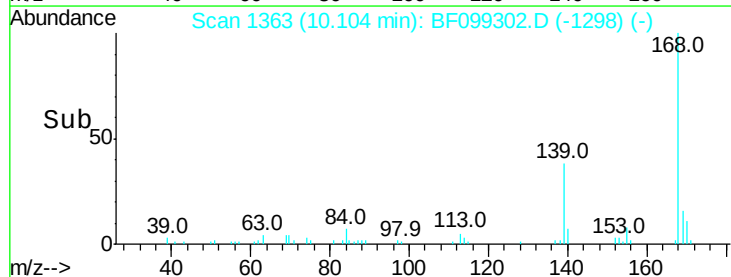
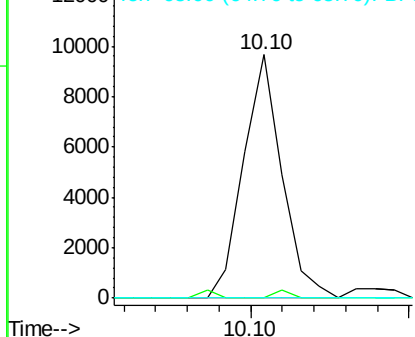
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

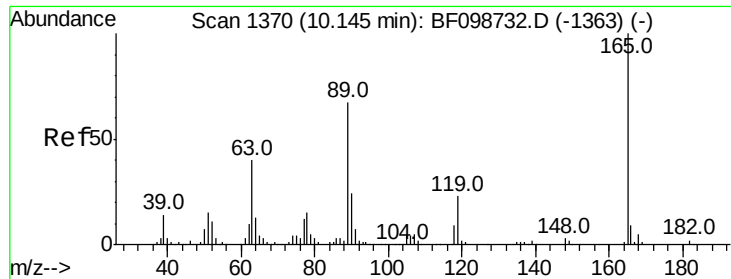


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

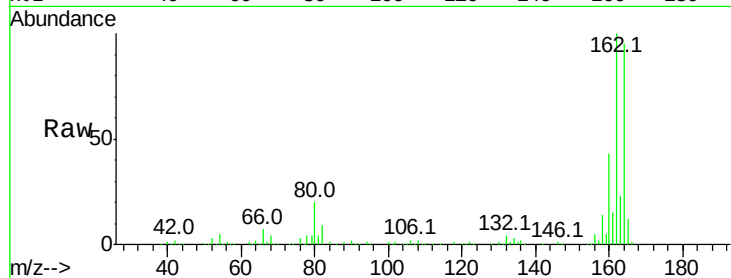




#56
2,4-Dinitrotoluene
Concen: 6.021 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	20804
Ion Ratio	Lower	Upper
165	100	
63	1.6	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#

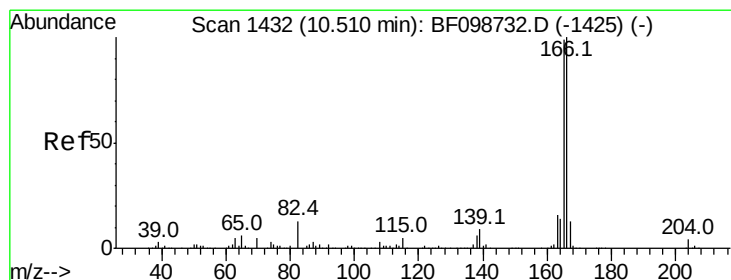
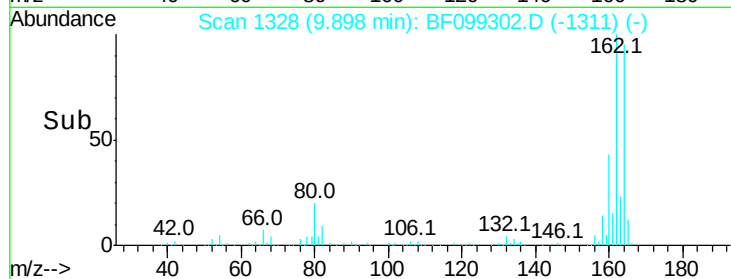
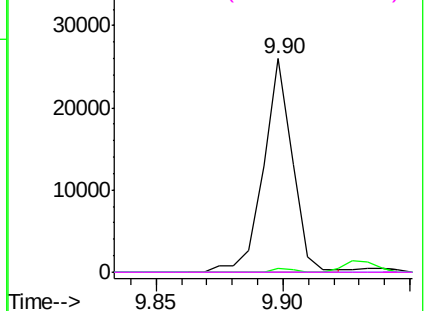


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

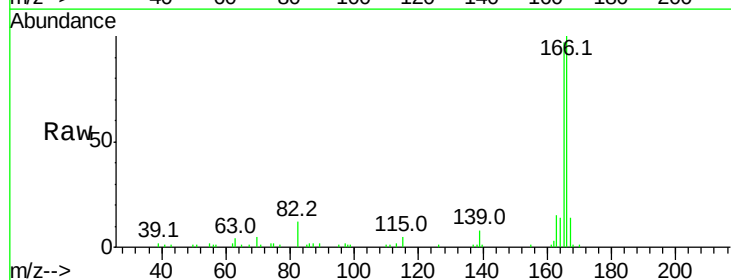
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 3.279 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

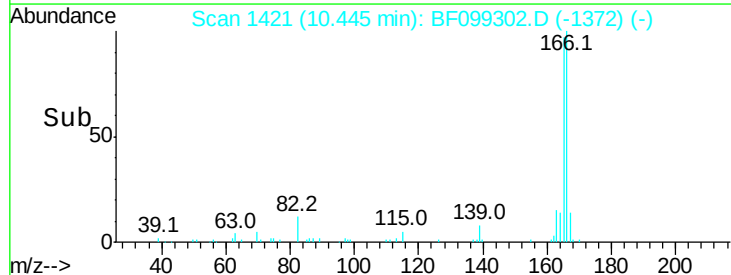
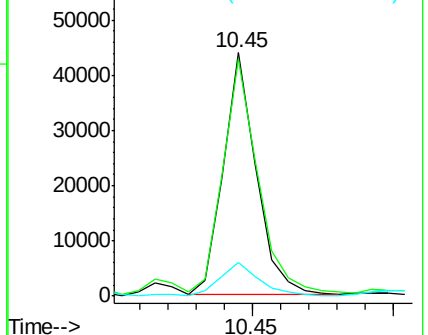
Tgt Ion:166	Resp:	35575
Ion Ratio	Lower	Upper
166	100	
165	97.2	79.8 119.8
167	13.6	10.6 16.0

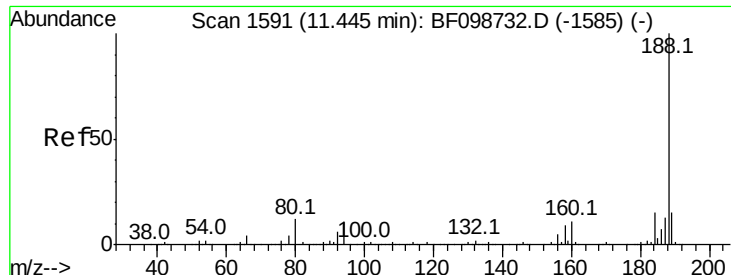


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

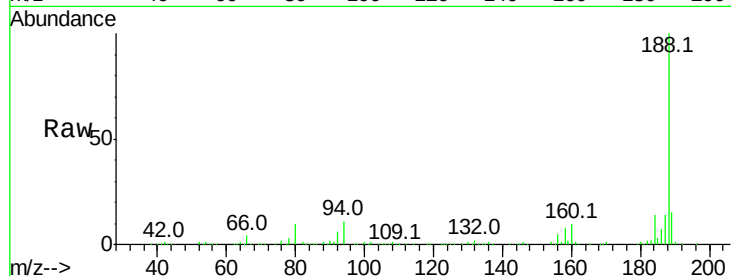




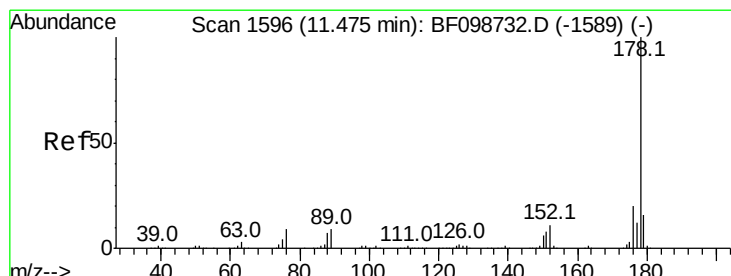
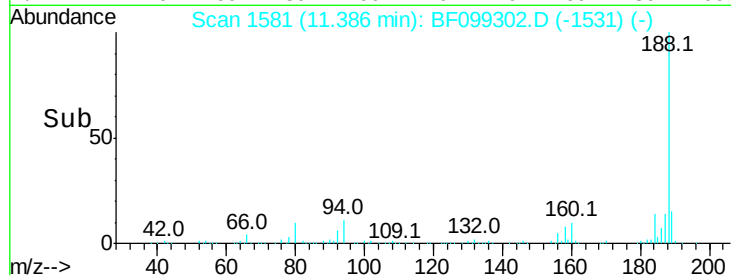
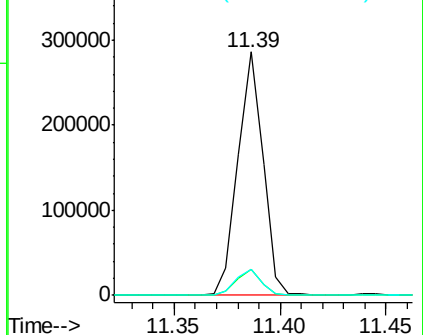
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099302.D
 Acq: 10 Oct 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	10.5	9.2	13.8

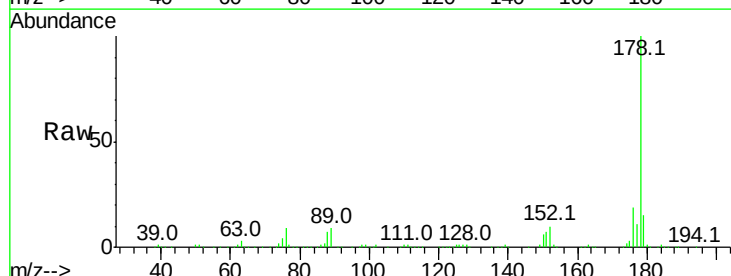


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

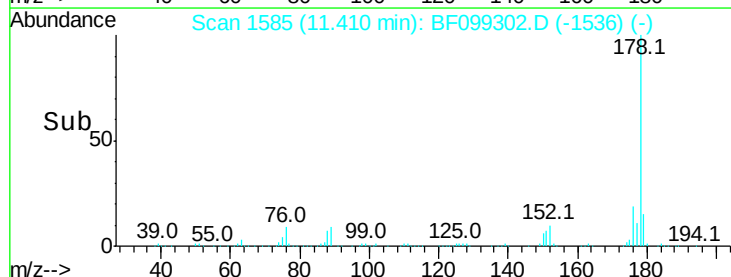
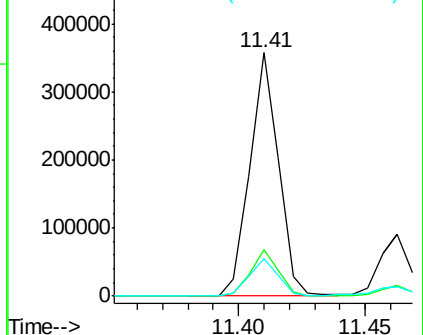


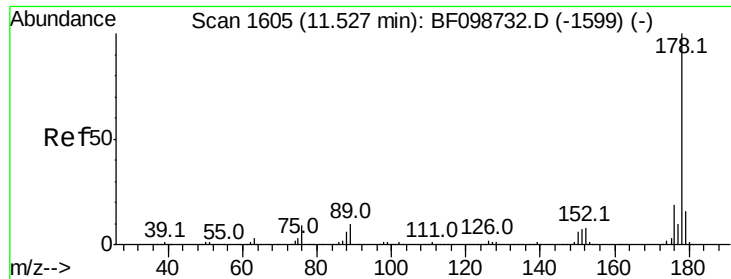
#70
 Phenanthrene
 Concen: 22.325 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF099302.D
 Acq: 10 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6



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





#71

Anthracene

Concen: 5.454 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

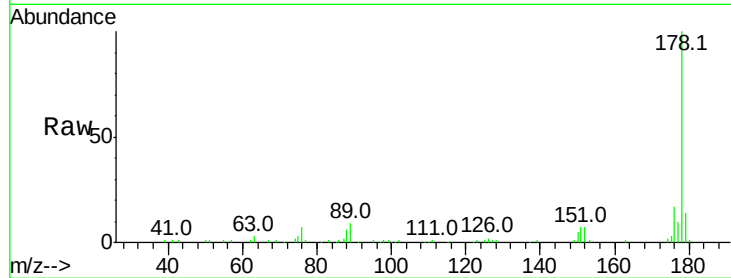
Tot Ion:178 Resp: 70611

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

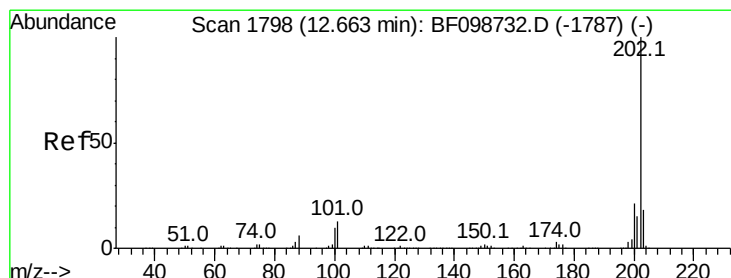
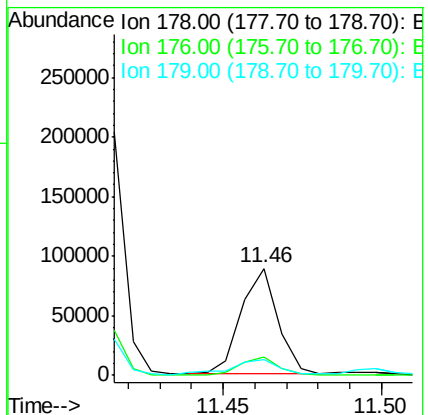
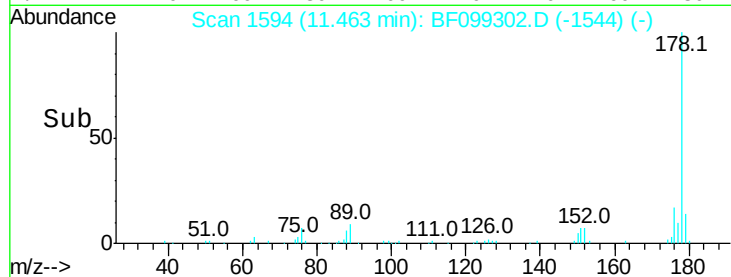
179 14.4 12.6 19.0



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



#74

Fluoranthene

Concen: 27.425 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

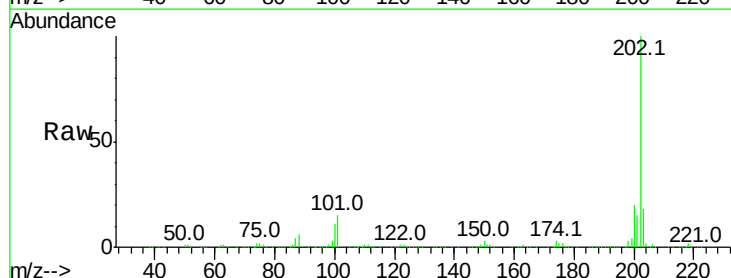
Tgt Ion:202 Resp: 351383

Ion Ratio Lower Upper

202 100

101 14.5 0.0 34.1

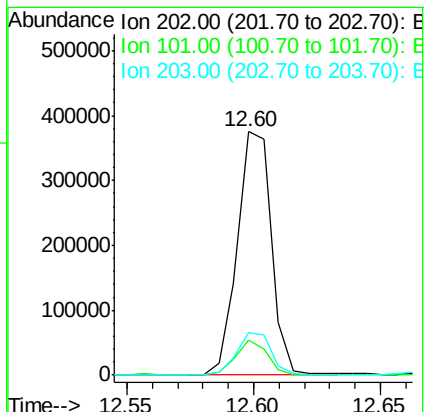
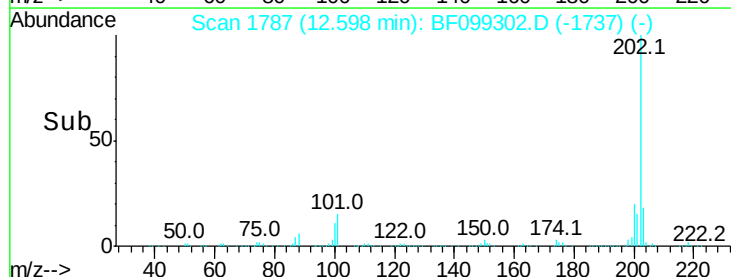
203 17.8 0.0 38.1

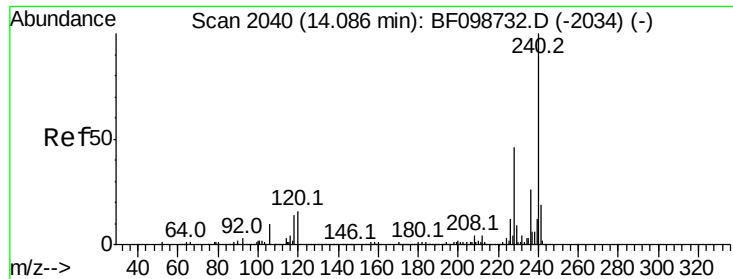


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

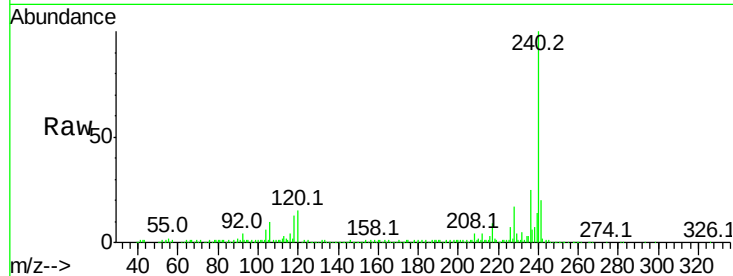
Tot Ion:240 Resp: 197079

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

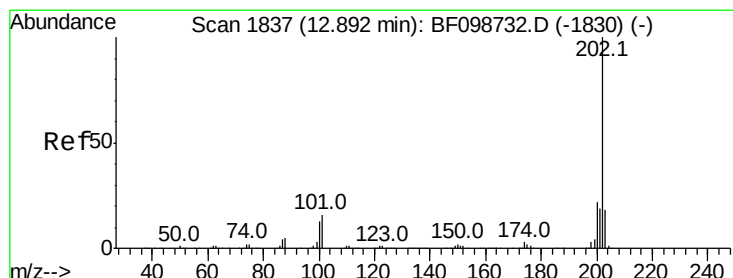
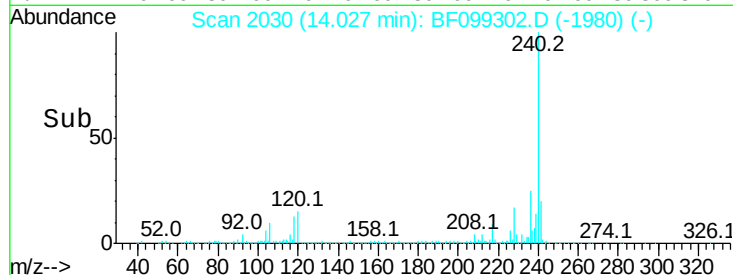
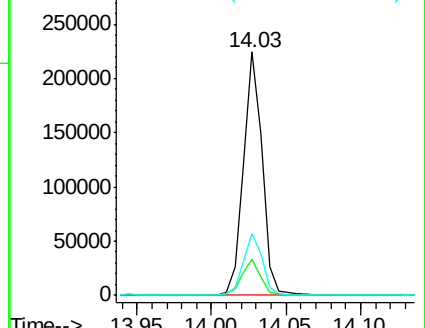
236 25.4 20.7 31.1



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: 21.920 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

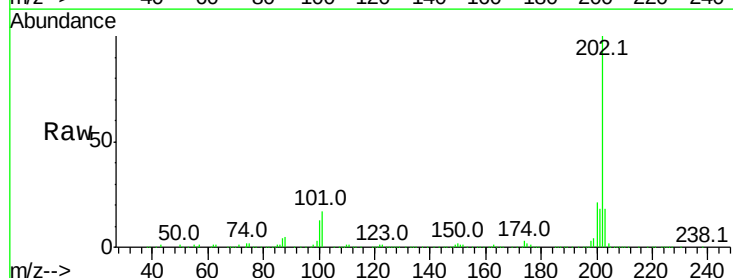
Tgt Ion:202 Resp: 329420

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

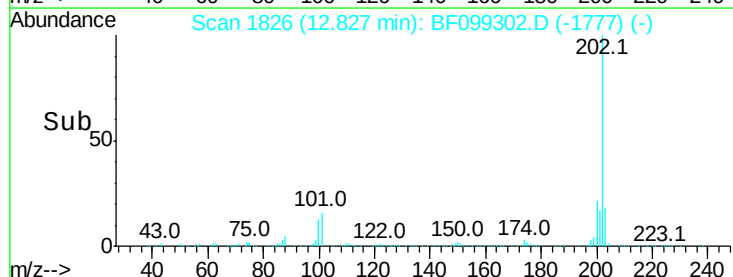
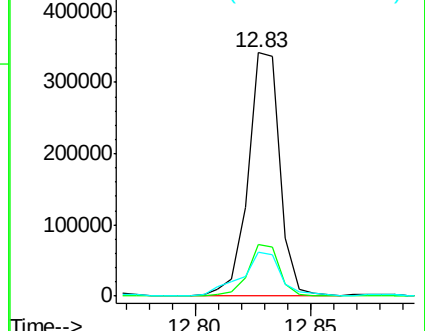
203 18.1 14.3 21.5

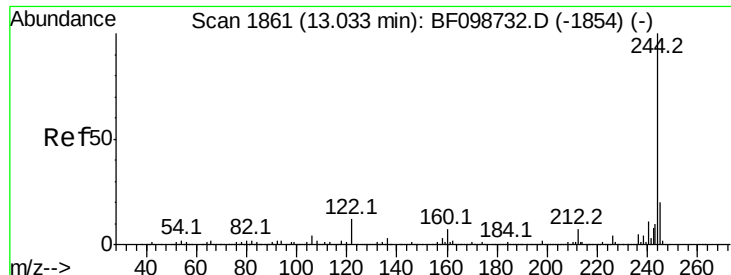


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.283 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

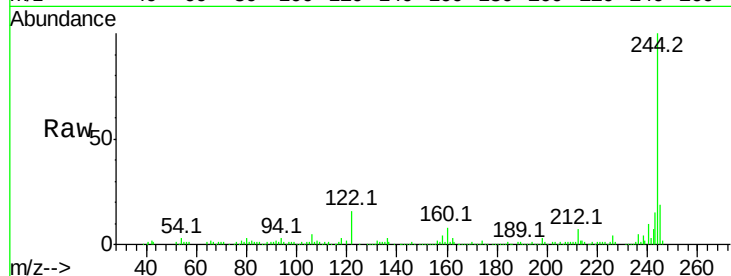
Tot Ion:244 Resp: 123771

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

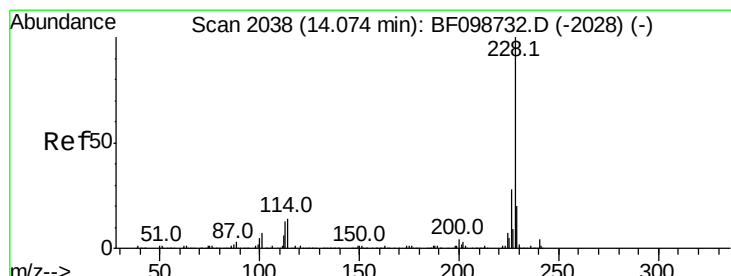
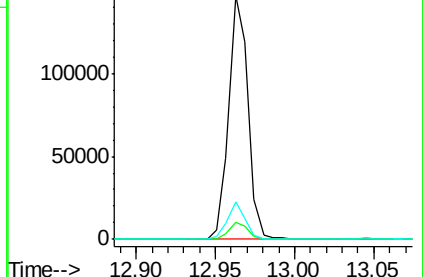
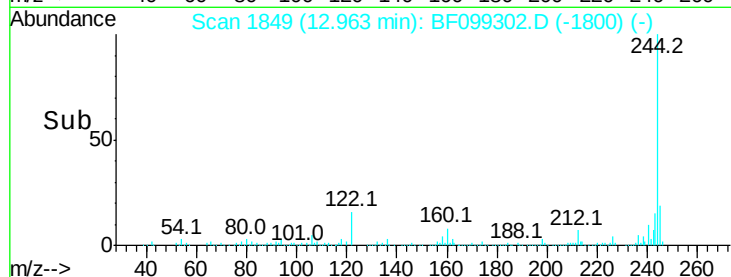
122 15.5 11.0 16.4



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: 13.178 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

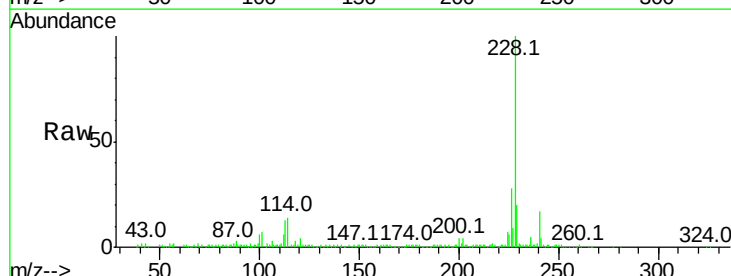
Tgt Ion:228 Resp: 157258

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

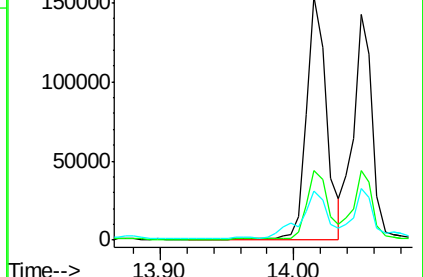
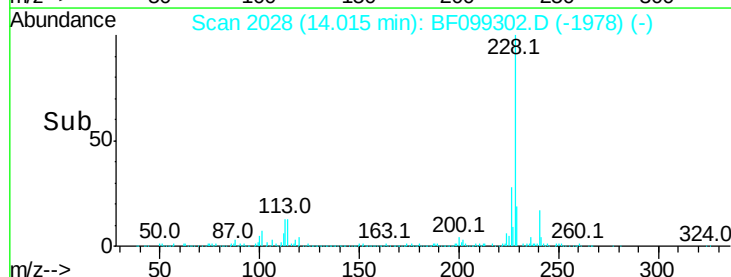
229 20.4 15.8 23.6

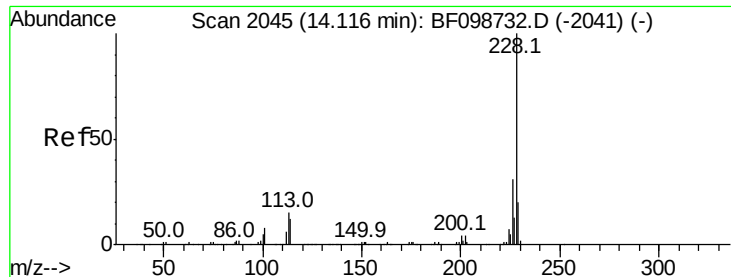


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.434 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

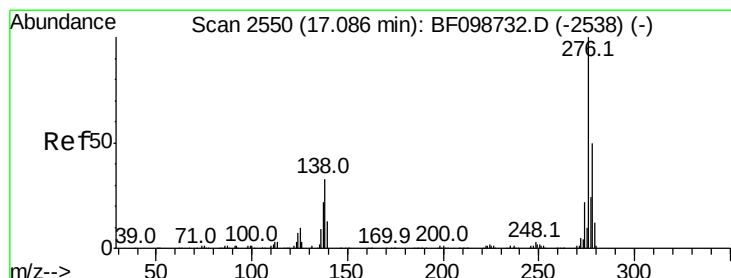
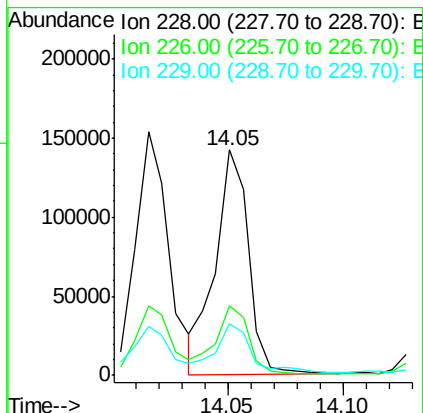
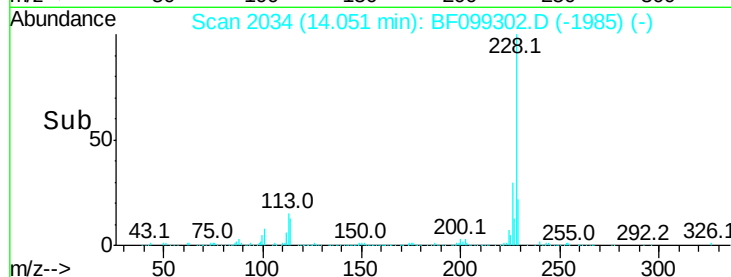
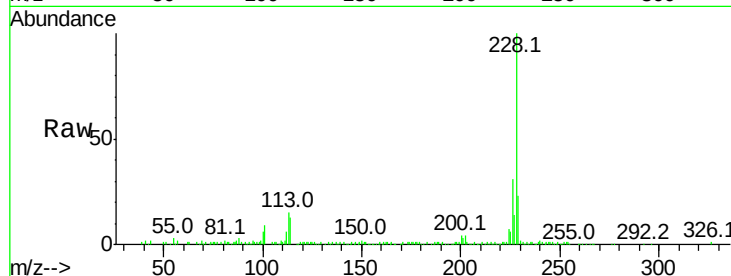
Tot Ion:228 Resp: 141262

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

229 22.8 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.770 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.00 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

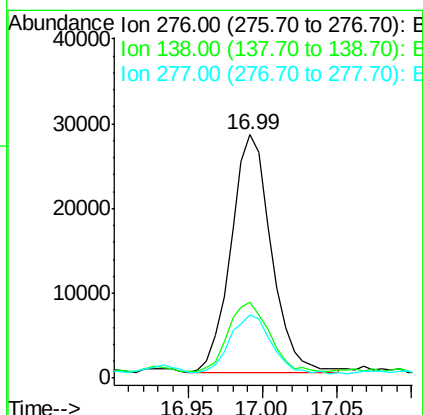
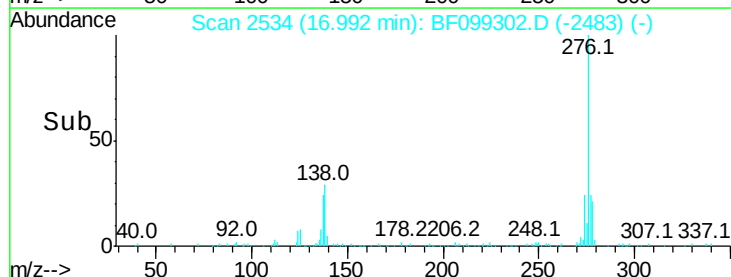
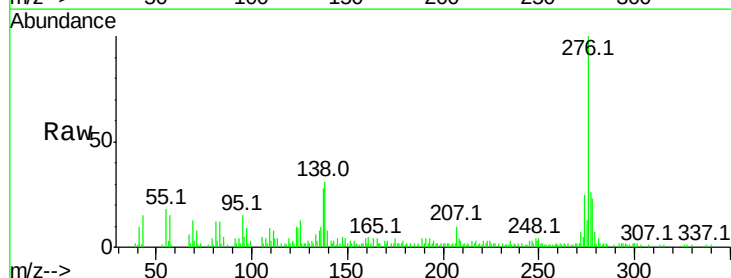
Tgt Ion:276 Resp: 52439

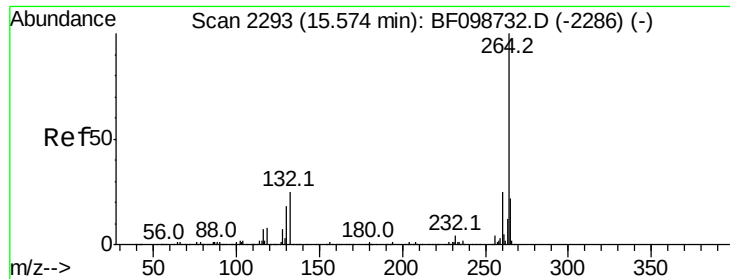
Ion Ratio Lower Upper

276 100

138 30.2 25.0 37.6

277 25.6 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

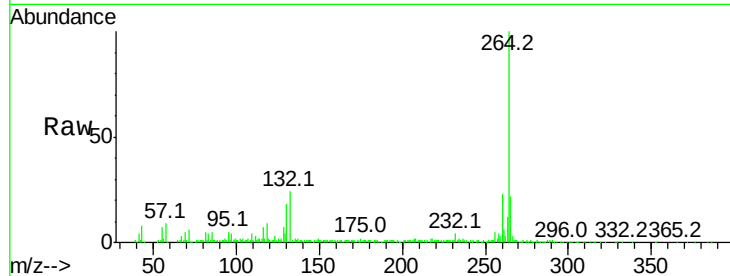
Tot Ion:264 Resp: 161435

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

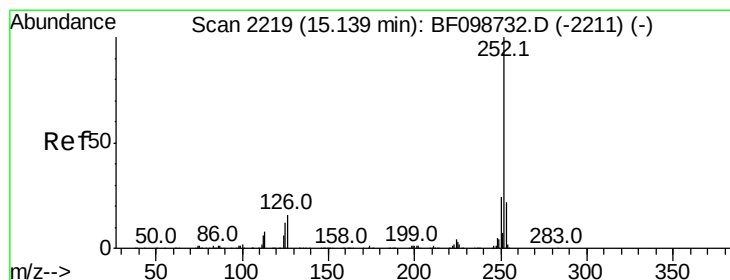
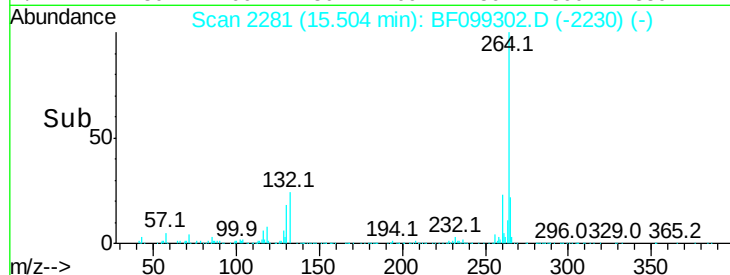
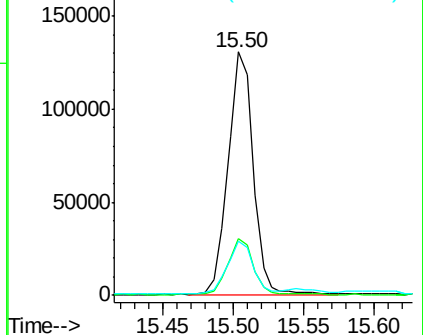
265 22.1 17.5 26.3



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: 20.511 ng

RT: 15.07 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

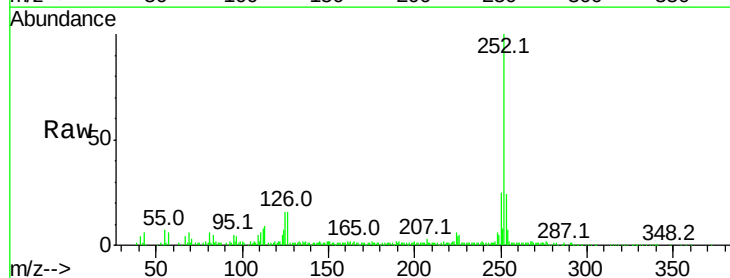
Tgt Ion:252 Resp: 203585

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

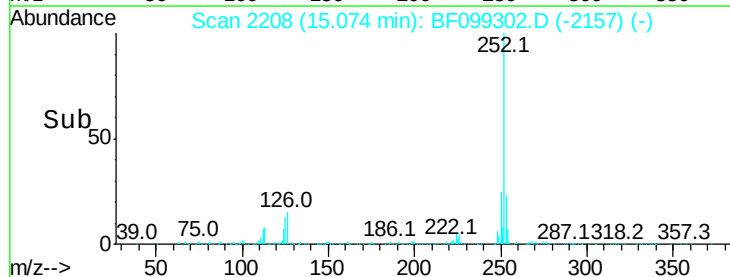
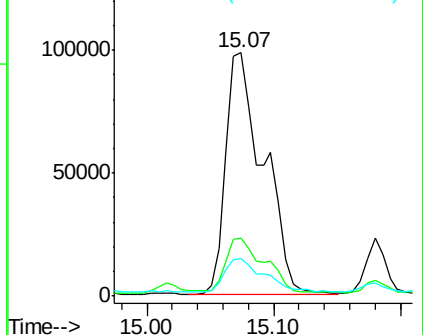
125 15.5 9.0 13.6#

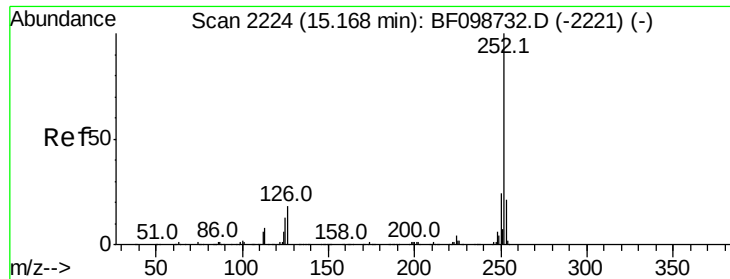


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

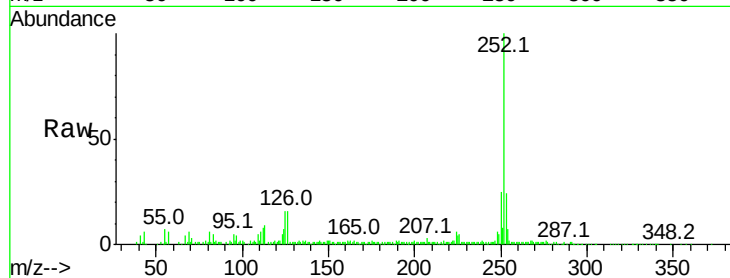




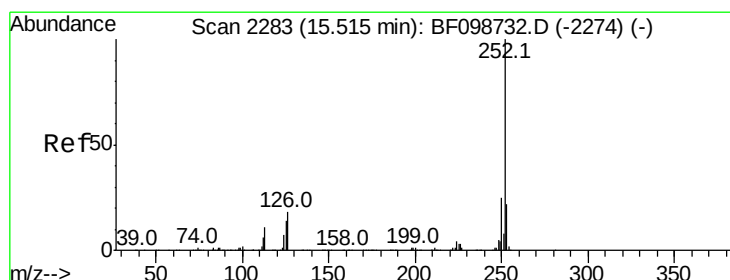
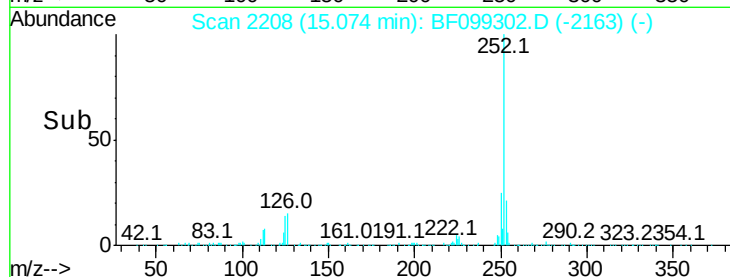
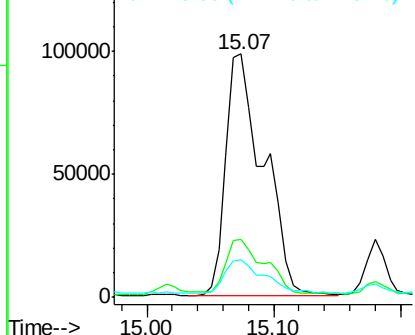
#88
 Benzo(k)fluoranthene
 Concen: 20.766 ng
 RT: 15.07 min Scan# 2208
 Delta R.T. -0.04 min
 Lab File: BF099302.D
 Acq: 10 Oct 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252	Resp:	203585
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.9 26.9
125	15.5	10.2 15.2#

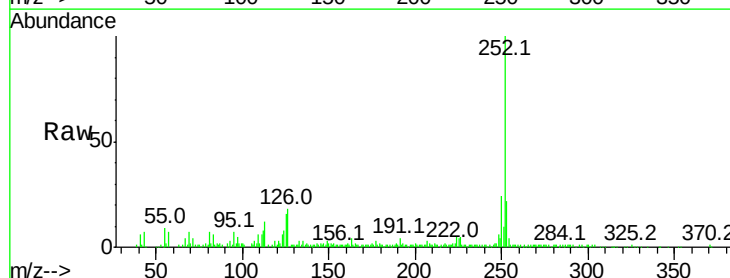


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

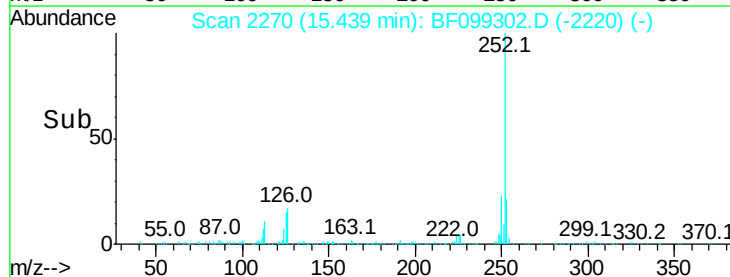
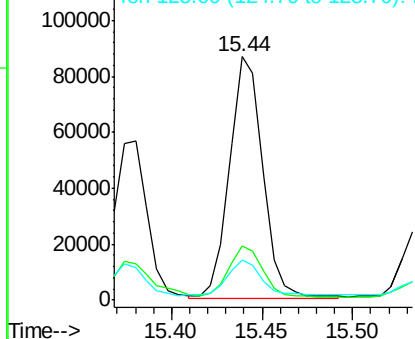


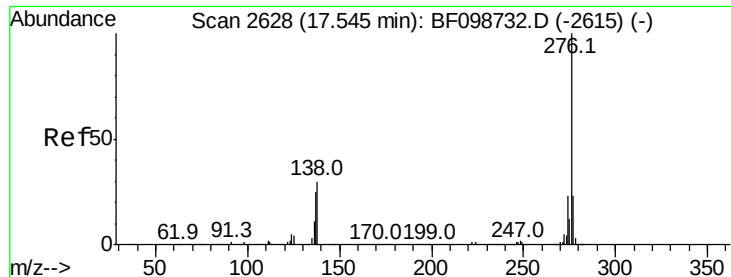
#89
 Benzo(a)pyrene
 Concen: 12.062 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF099302.D
 Acq: 10 Oct 2017 15:38

Tgt Ion:252	Resp:	109897
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.1 25.7
125	16.5	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

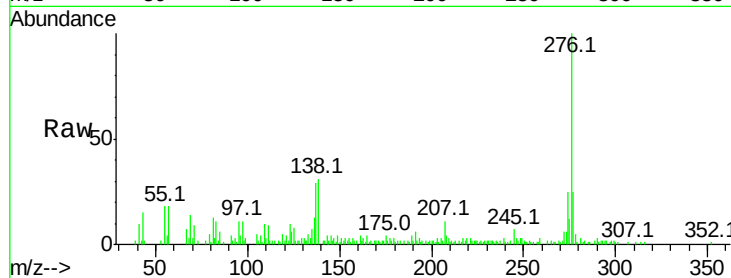




#91
 Benzo(a,h,i)perylene
 Concen: 7.734 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: BF099302.D
 Acq: 10 Oct 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 55746
 Ion Ratio Lower Upper
 276 100
 277 24.7 17.9 26.9
 138 30.8 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

