

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081615.D
 Acq On : 14 Sep 2015 19:27
 Operator : UM/IZ
 Sample : G3597-09 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-9(0-5)

Quant Time: Sep 15 01:33:28 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 14 13:51:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	64796	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	251274	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	112385	20.00	ng	0.00
63) Phenanthrene-d10	18.78	188	194745	20.00	ng	0.01
75) Chrysene-d12	23.40	240	124757	20.00	ng	0.00
86) Perylene-d12	24.84	264	98400	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	110736	26.52	ng	0.00
7) Phenol-d6	7.65	99	157121	28.42	ng	-0.01
23) Nitrobenzene-d5	9.52	82	100790	19.35	ng	-0.02
41) 2,4,6-Tribromophenol	17.17	330	23687	23.67	ng	-0.01
44) 2-Fluorobiphenyl	13.77	172	168310	19.19	ng	-0.01
78) Terphenyl-d14	22.12	244	99217	18.51	ng	0.00

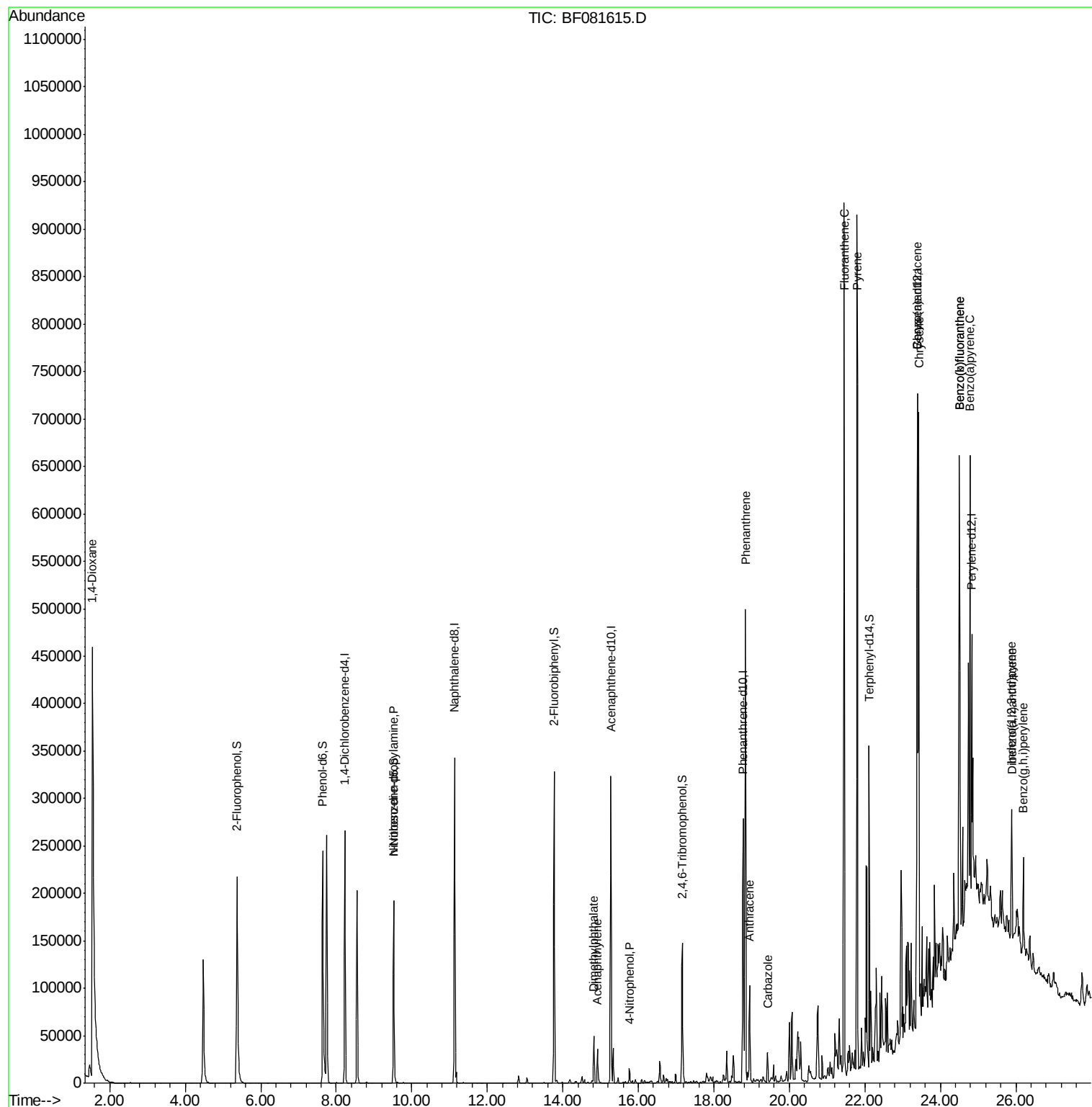
Target Compounds						Qvalue
2) 1,4-Dioxane	1.54	88	25790	13.75	ng	# 11
19) n-Nitroso-di-n-propylamine	9.52	70	13208	3.51	ng	# 64
48) Acenaphthylene	14.92	152	29111	2.20	ng	96
49) Dimethylphthalate	14.82	163	33958	3.89	ng	# 96
55) 4-Nitrophenol	15.76	139	5303	3.74	ng	# 25
70) Phenanthrene	18.84	178	333301	30.78	ng	97
71) Anthracene	18.95	178	69099	6.21	ng	99
72) Carbazole	19.43	167	27690	2.65	ng	97
74) Fluoranthene	21.45	202	546739	46.65	ng	89
77) Pyrene	21.80	202	545258	59.00	ng	95
80) Benzo(a)anthracene	23.40	228	259958	32.72	ng	98
82) Chrysene	23.43	228	227336	31.92	ng	95
85) Indeno(1,2,3-cd)pyrene	25.89	276	80271	15.36	ng	# 81
87) Benzo(b)fluoranthene	24.50	252	358041	50.97	ng	# 86
88) Benzo(k)fluoranthene	24.50	252	358041	61.42	ng	# 86
89) Benzo(a)pyrene	24.79	252	174399	29.30	ng	# 82
90) Dibenzo(a,h)anthracene	25.90	278	25263	5.49	ng	# 82
91) Benzo(g,h,i)perylene	26.20	276	68981	15.71	ng	# 73

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.23 min Scan# 603

Delta R.T. -0.00 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

GP-9(0-5)

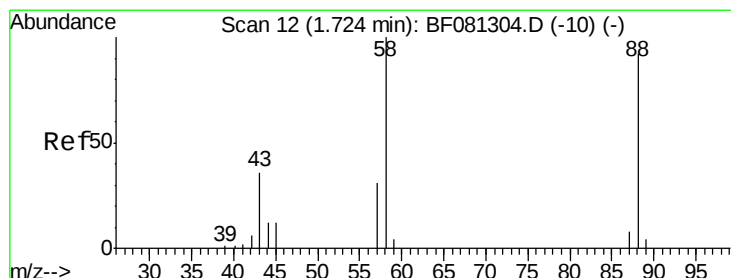
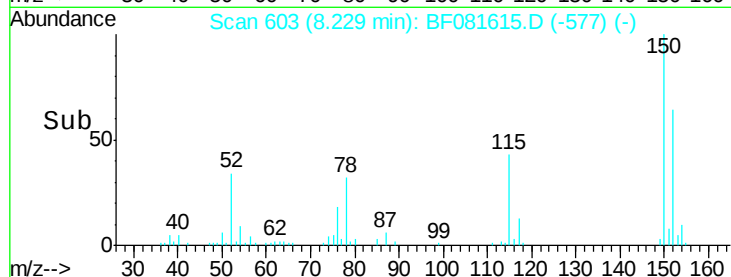
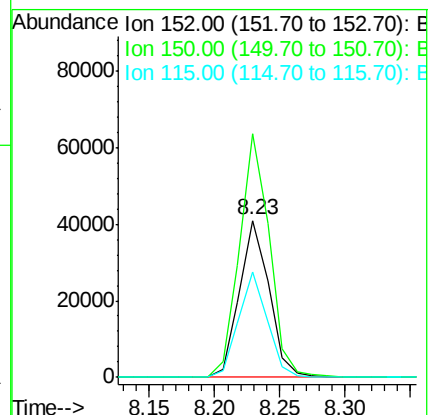
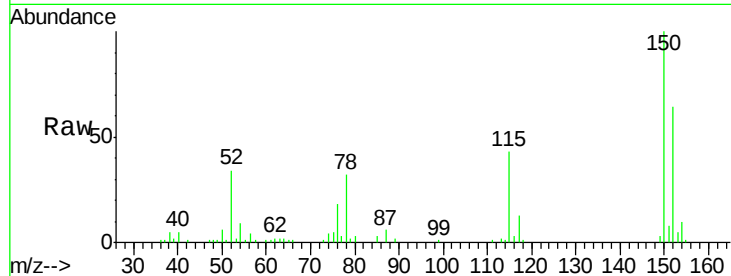
Tgt Ion:152 Resp: 64796

Ion Ratio Lower Upper

152 100

150 155.1 124.7 187.1

115 67.2 39.0 58.4#



#2

1,4-Dioxane

Concen: 13.75 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

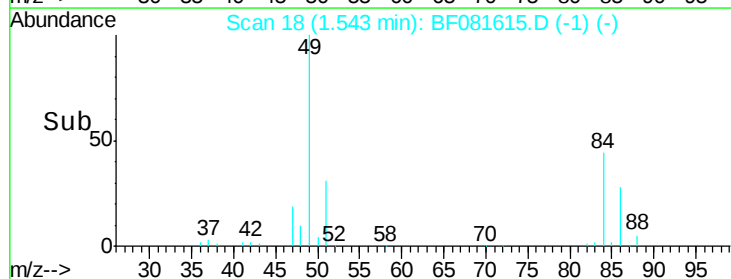
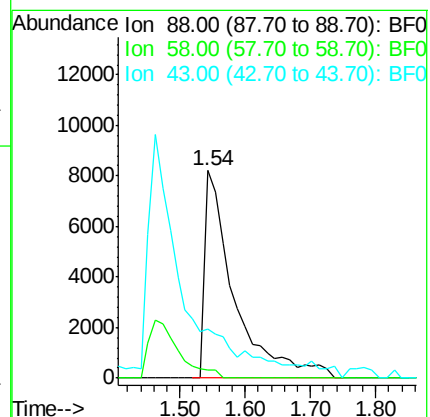
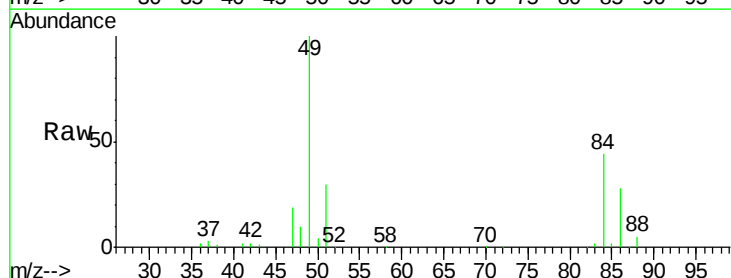
Tgt Ion: 88 Resp: 25790

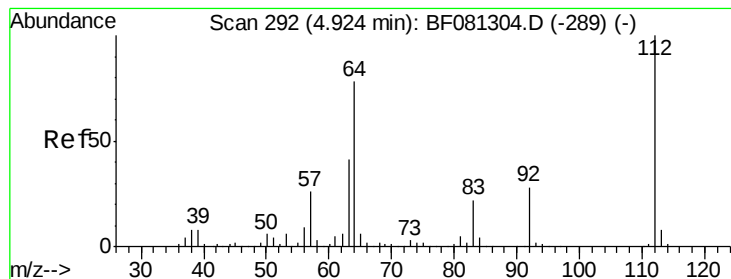
Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

43 0.0 26.6 40.0#





#5

2-Fluorophenol

Concen: 26.52 ng

RT: 5.37 min Scan# 353

Delta R.T. -0.00 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

GP-9(0-5)

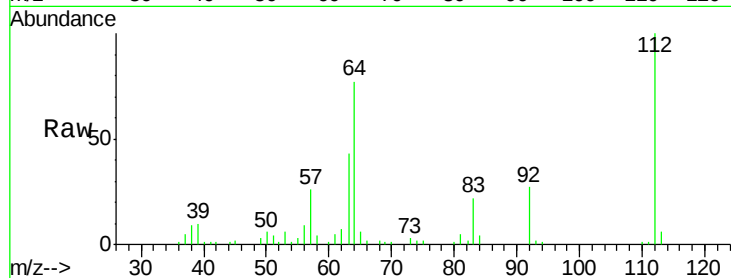
Tgt Ion: 112 Resp: 110736

Ion Ratio Lower Upper

112 100

64 77.5 39.7 59.5#

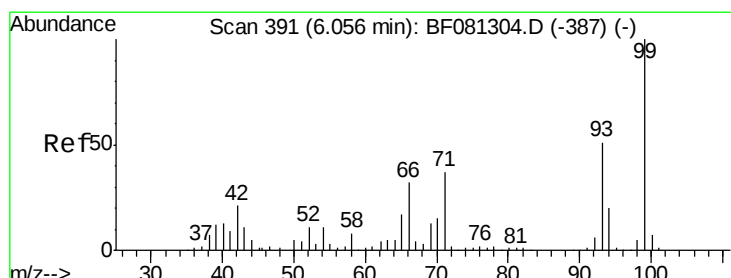
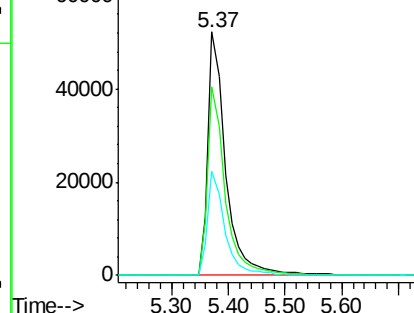
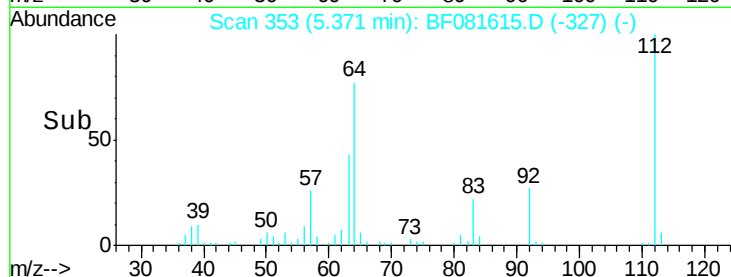
63 42.9 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 28.42 ng

RT: 7.65 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

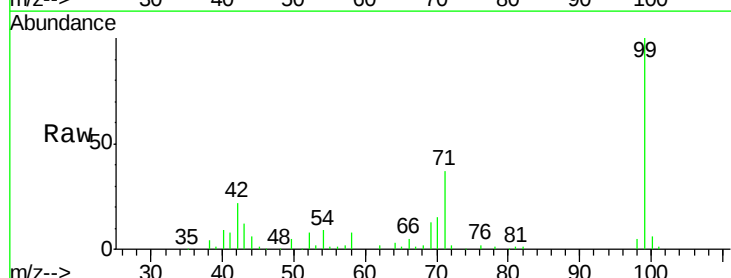
Tgt Ion: 99 Resp: 157121

Ion Ratio Lower Upper

99 100

42 22.3 13.7 20.5#

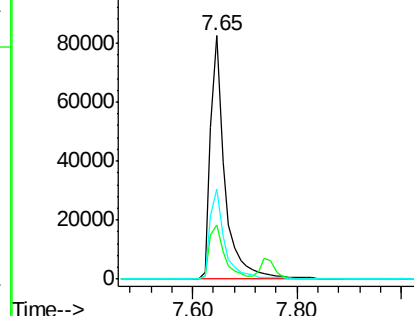
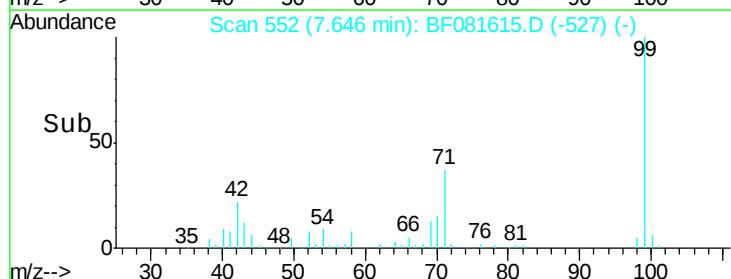
71 37.0 14.2 21.2#

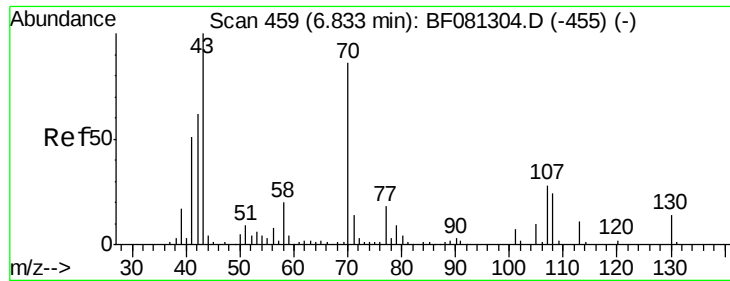


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

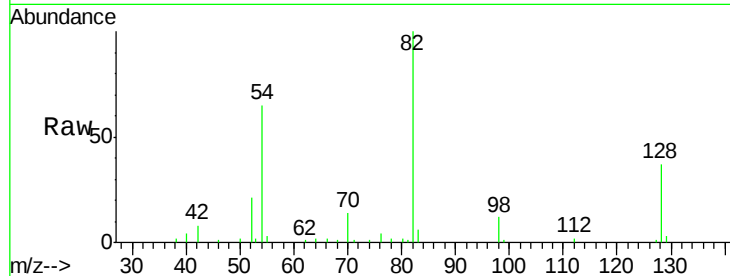




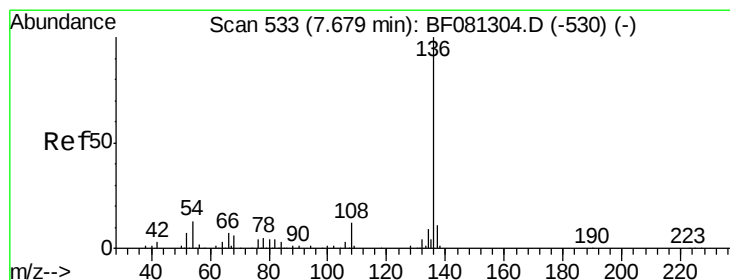
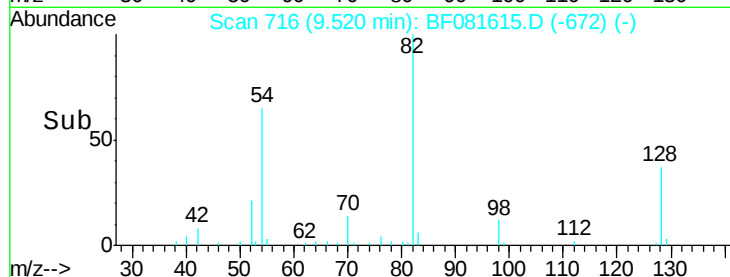
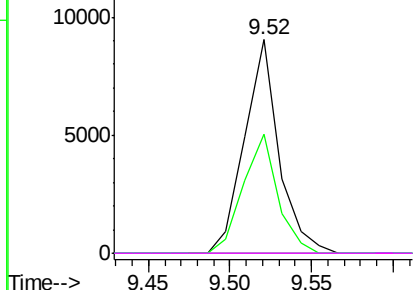
#19
n-Nitroso-di-n-propylamine
Concen: 3.51 ng
RT: 9.52 min Scan# 716
Delta R.T. 0.21 min
Lab File: BF081615.D
Acq: 14 Sep 2015 19:27

Instrument :
BNA_F
ClientSampleId :
GP-9(0-5)

Tgt Ion: 70 Resp: 13208
Ion Ratio Lower Upper
70 100
42 55.7 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



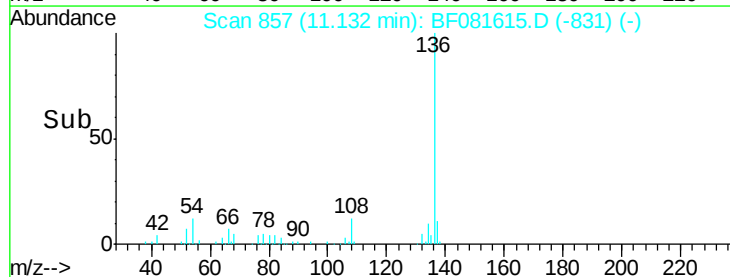
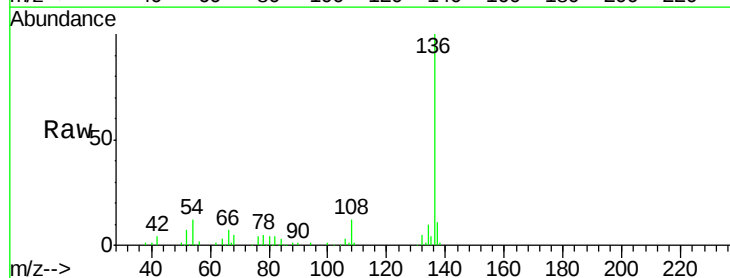
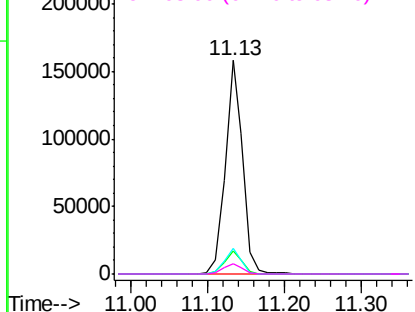
Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

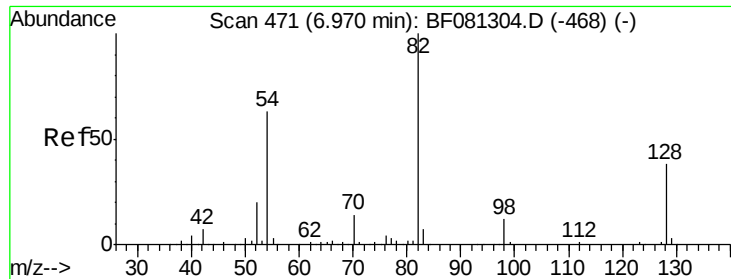


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF081615.D
Acq: 14 Sep 2015 19:27

Tgt Ion: 136 Resp: 251274
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 12.1 8.2 12.2
68 4.9 5.8 8.6#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

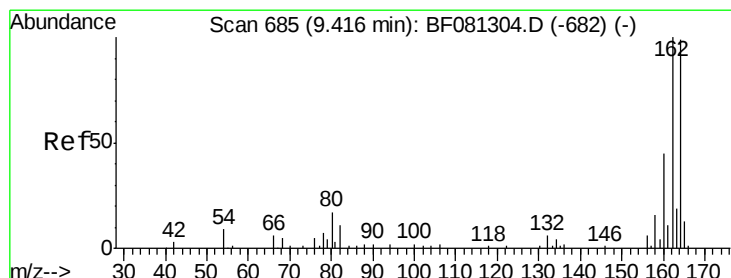
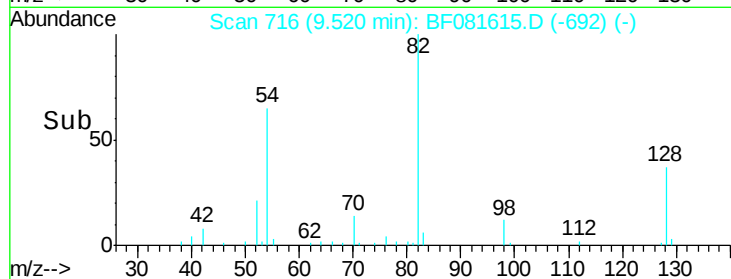
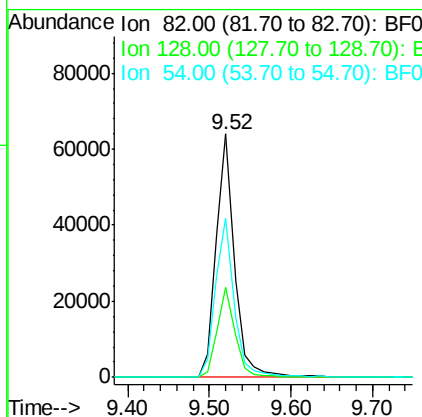
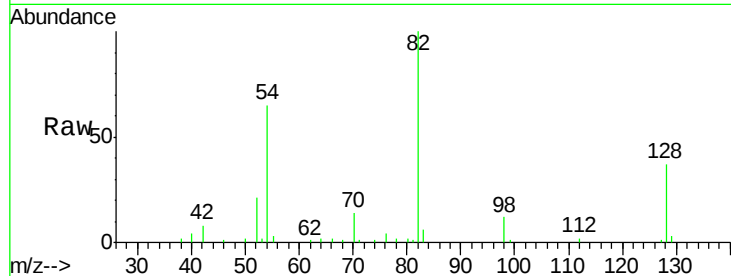




#23
 Nitrobenzene-d5
 Concen: 19.35 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: BF081615.D
 Acq: 14 Sep 2015 19:27

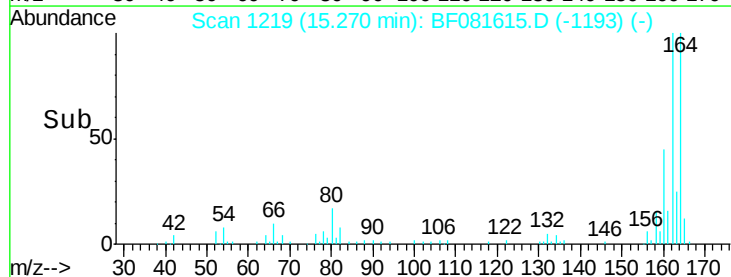
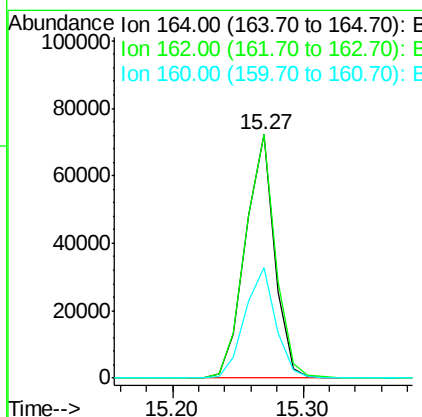
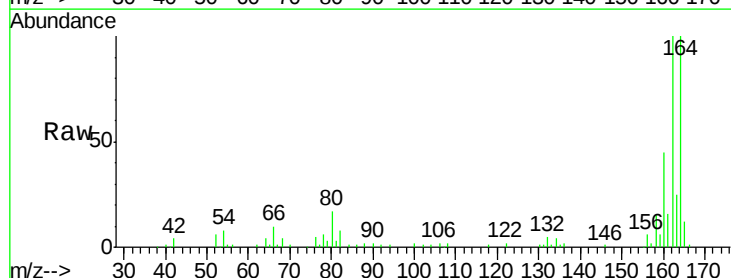
Instrument :
 BNA_F
 ClientSampleId :
 GP-9(0-5)

Tgt Ion: 82 Resp: 100790
 Ion Ratio Lower Upper
 82 100
 128 36.9 51.0 76.6#
 54 65.4 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF081615.D
 Acq: 14 Sep 2015 19:27

Tgt Ion: 164 Resp: 112385
 Ion Ratio Lower Upper
 164 100
 162 100.2 75.2 112.8
 160 45.3 31.5 47.3

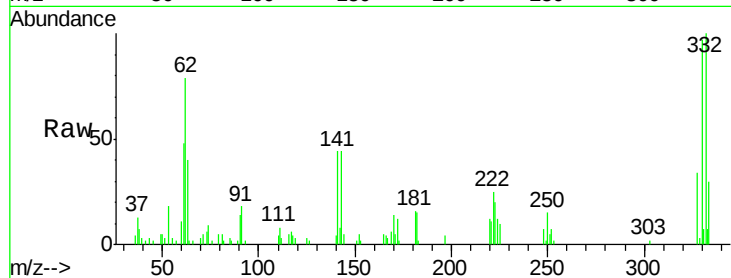




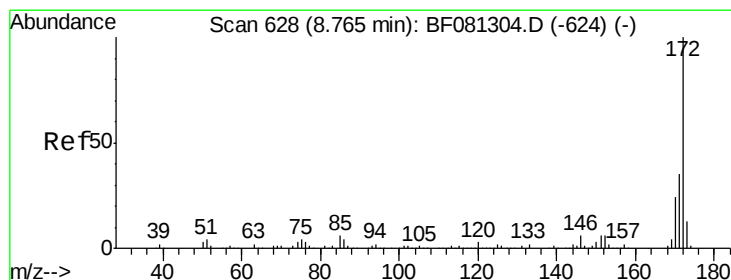
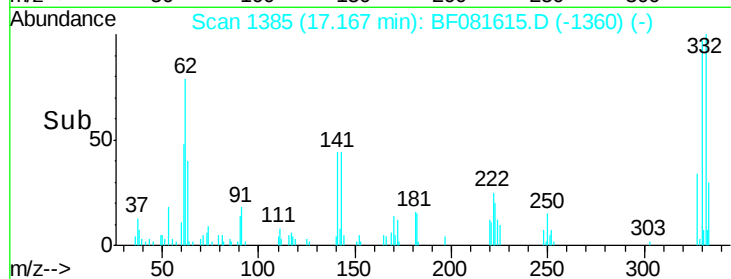
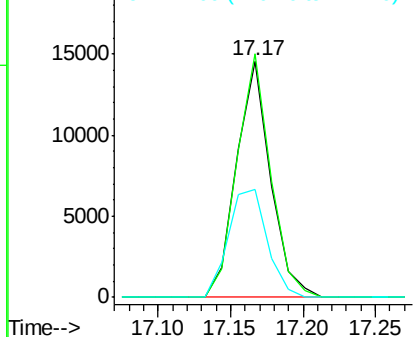
#41
 2,4,6-Tribromophenol
 Concen: 23.67 ng
 RT: 17.17 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF081615.D
 Acq: 14 Sep 2015 19:27

Instrument :
 BNA_F
 ClientSampleId :
 GP-9(0-5)

Tgt Ion:330 Resp: 23687
 Ion Ratio Lower Upper
 330 100
 332 101.4 76.6 114.8
 141 52.1 29.7 44.5#

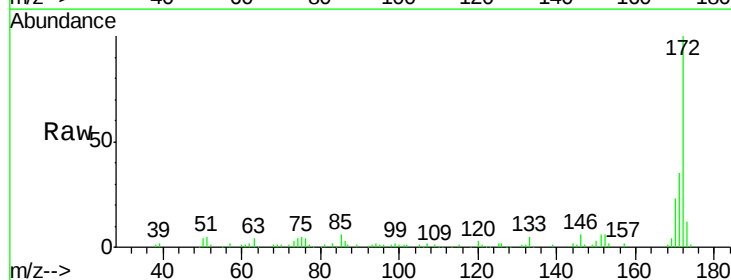


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

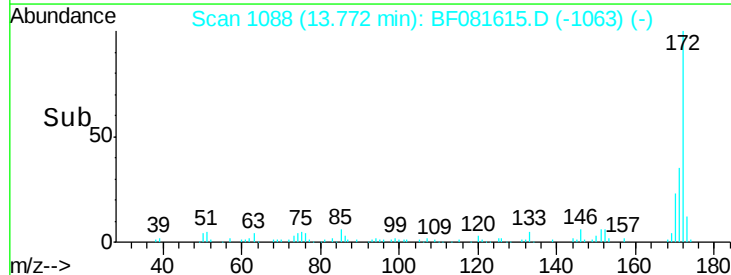
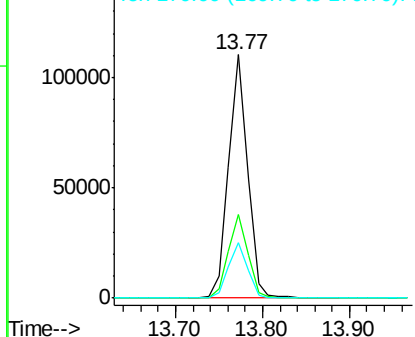


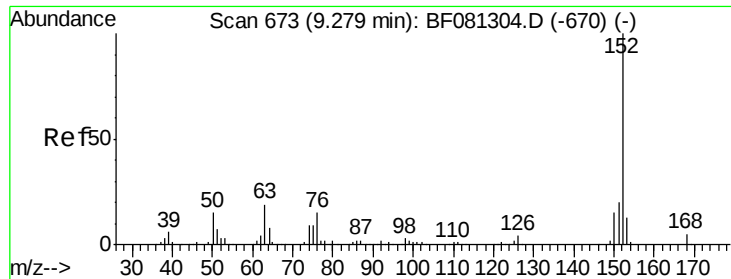
#44
 2-Fluorobiphenyl
 Concen: 19.19 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF081615.D
 Acq: 14 Sep 2015 19:27

Tgt Ion:172 Resp: 168310
 Ion Ratio Lower Upper
 172 100
 171 34.5 26.1 39.1
 170 22.8 17.4 26.2



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





#48

Acenaphthylene

Concen: 2.20 ng

RT: 14.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

GP-9(0-5)

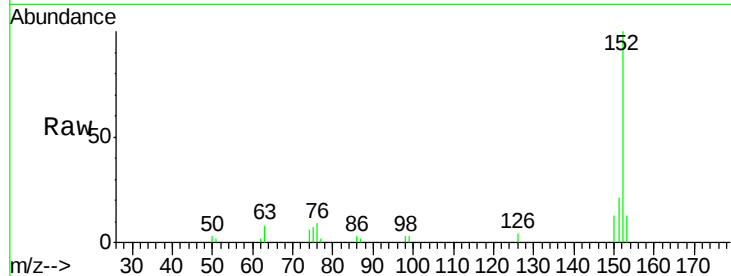
Tgt Ion:152 Resp: 29111

Ion Ratio Lower Upper

152 100

151 21.2 14.6 22.0

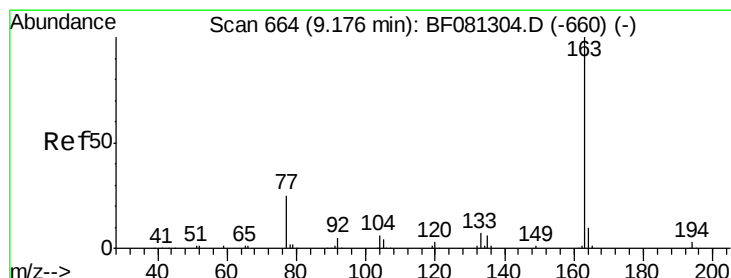
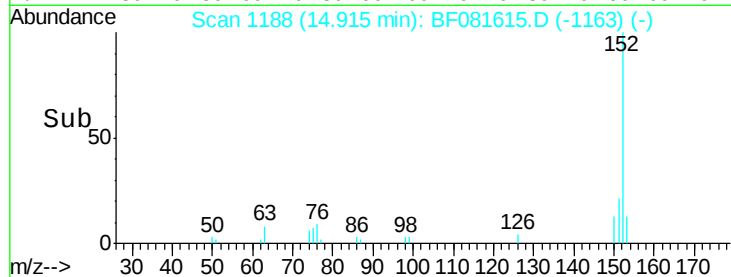
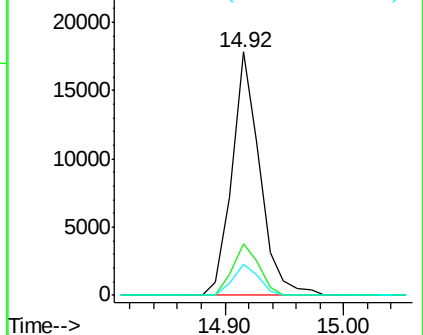
153 12.5 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.89 ng

RT: 14.82 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

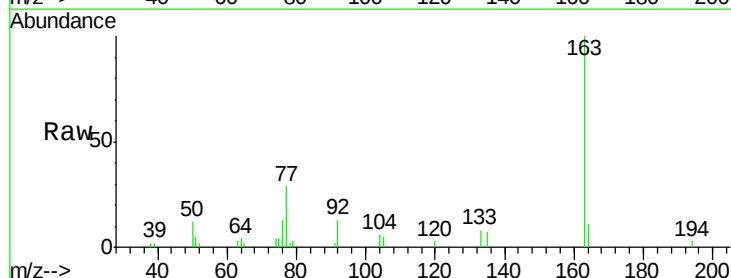
Tgt Ion:163 Resp: 33958

Ion Ratio Lower Upper

163 100

194 2.8 4.4 6.6#

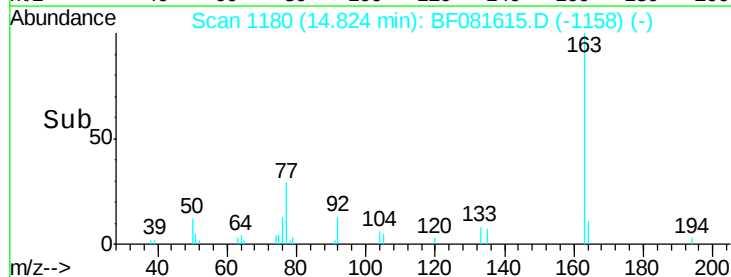
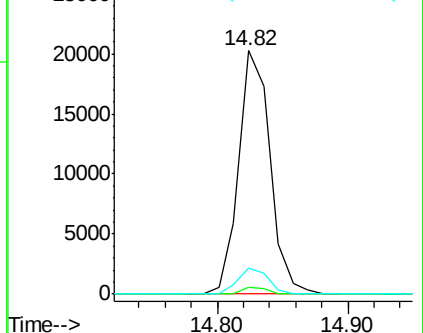
164 10.9 8.3 12.5

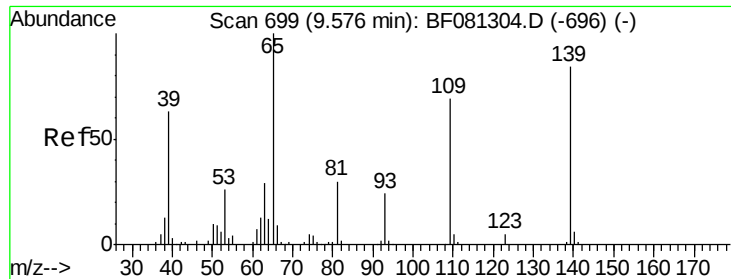


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 3.74 ng

RT: 15.76 min Scan# 1262

Delta R.T. -0.17 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

Instrument :

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GP-9(0-5)

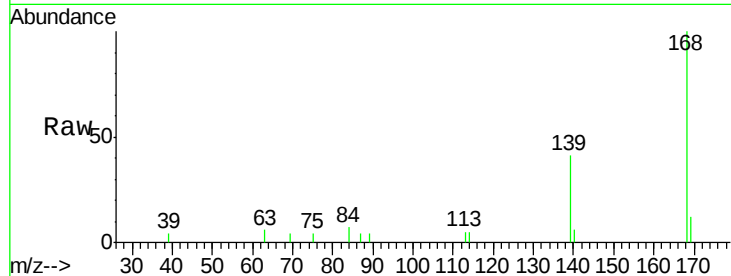
Tgt Ion:139 Resp: 5303

Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

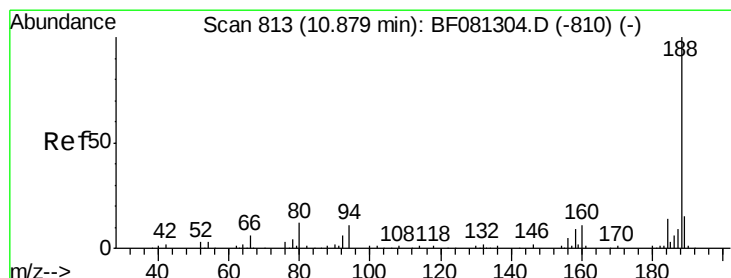
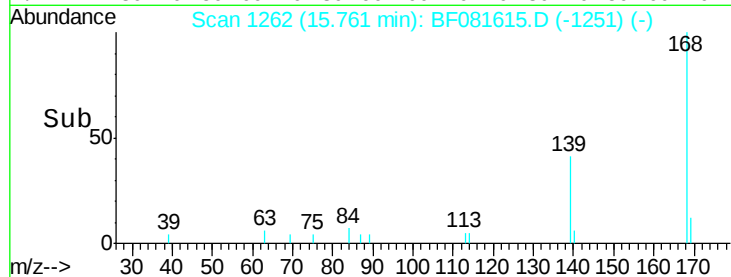
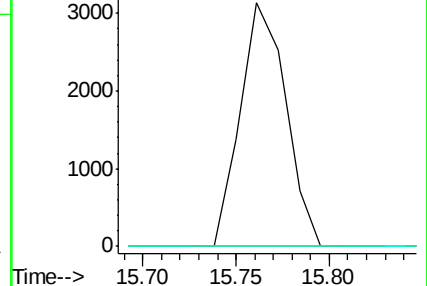
65 0.0 45.9 85.9#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.78 min Scan# 1526

Delta R.T. 0.01 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

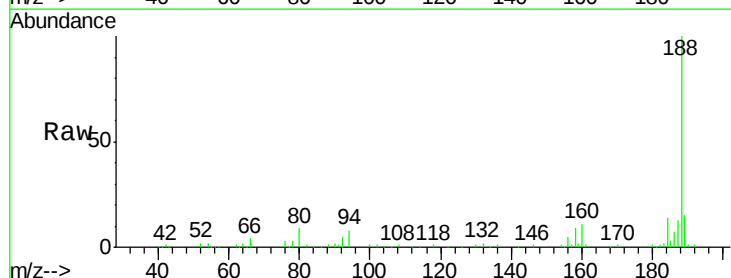
Tgt Ion:188 Resp: 194745

Ion Ratio Lower Upper

188 100

94 7.6 11.1 16.7#

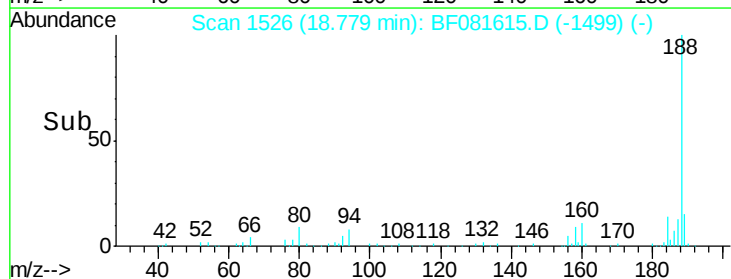
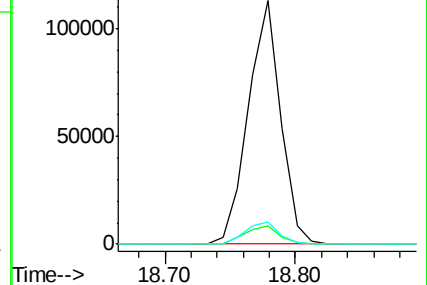
80 8.9 11.0 16.4#

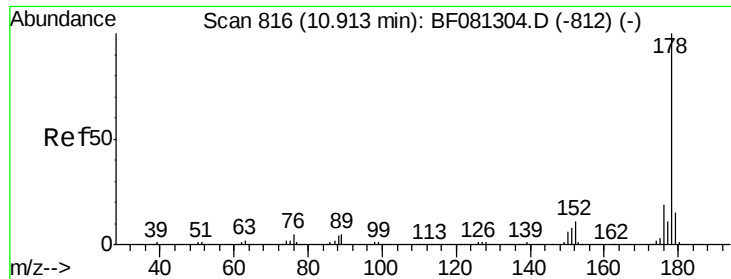


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

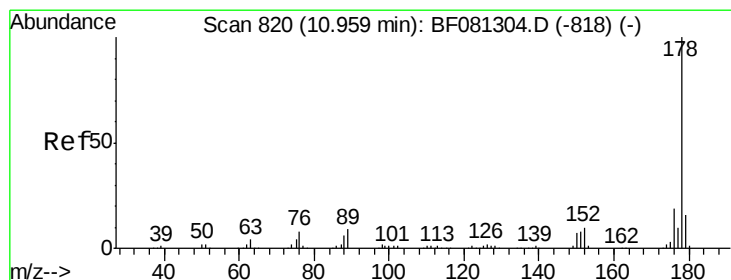
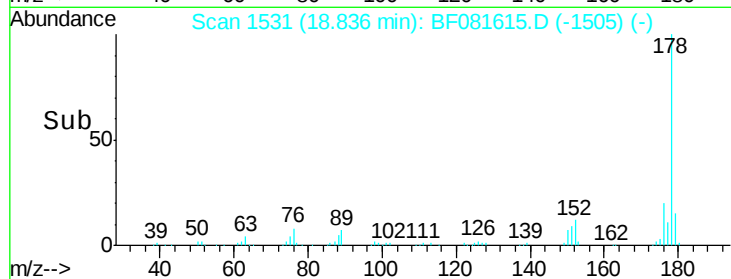
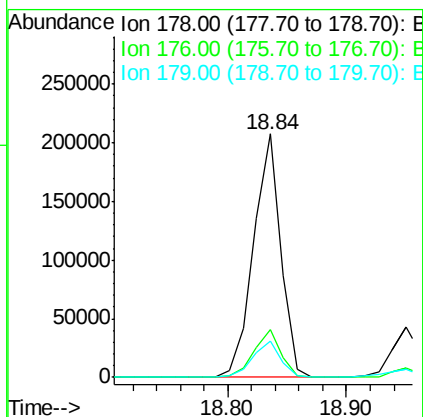
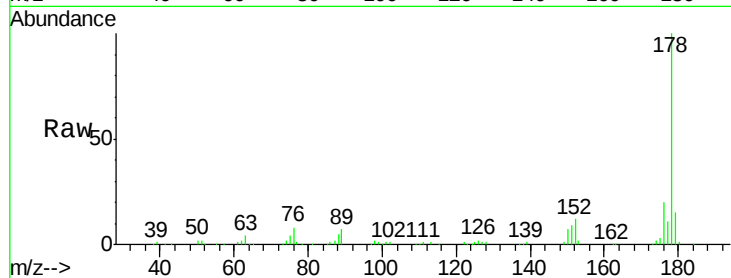




#70
Phenanthrene
Concen: 30.78 ng
RT: 18.84 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BF081615.D
Acq: 14 Sep 2015 19:27

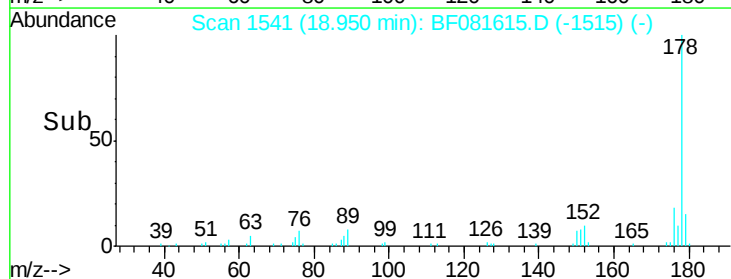
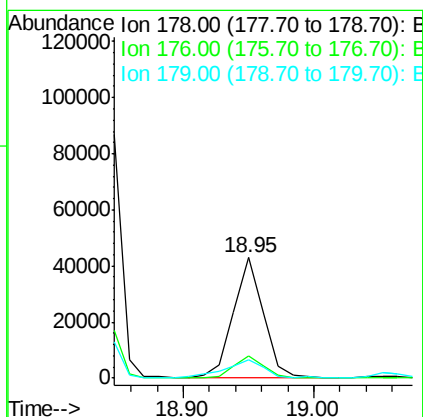
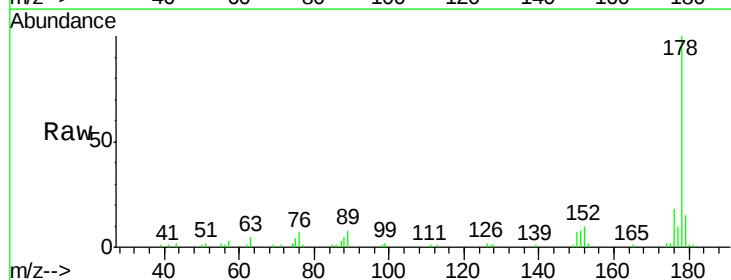
Instrument :
BNA_F
ClientSampled :
GP-9(0-5)

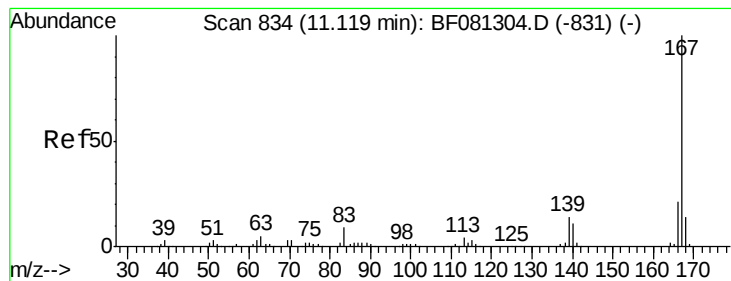
Tgt Ion:178 Resp: 333301
Ion Ratio Lower Upper
178 100
176 19.9 13.8 20.8
179 15.0 12.2 18.2



#71
Anthracene
Concen: 6.21 ng
RT: 18.95 min Scan# 1541
Delta R.T. -0.00 min
Lab File: BF081615.D
Acq: 14 Sep 2015 19:27

Tgt Ion:178 Resp: 69099
Ion Ratio Lower Upper
178 100
176 18.4 14.1 21.1
179 15.4 12.2 18.2





#72

Carbazole

Concen: 2.65 ng

RT: 19.43 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

GP-9(0-5)

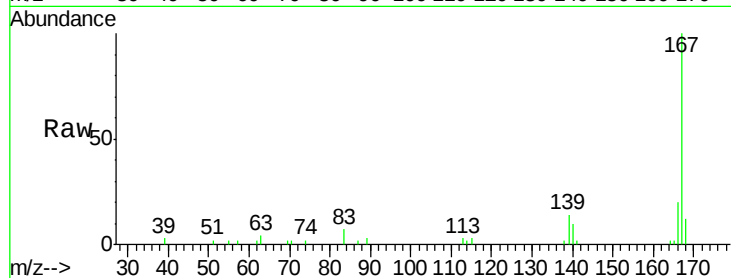
Tgt Ion:167 Resp: 27690

Ion Ratio Lower Upper

167 100

166 20.4 15.7 23.5

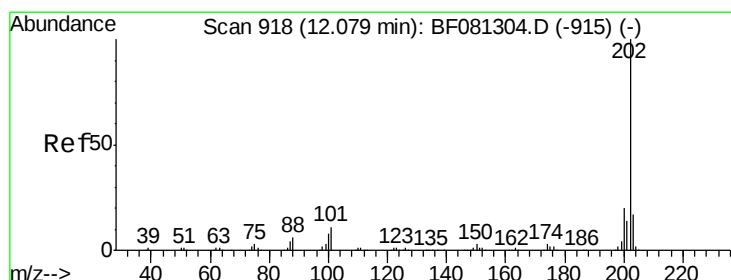
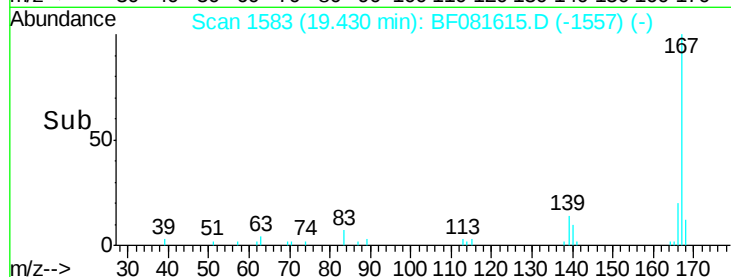
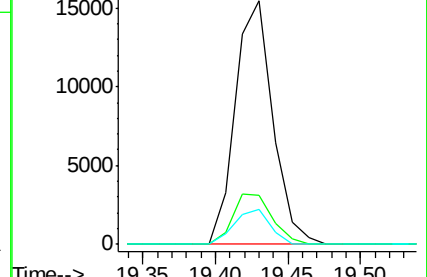
139 14.1 9.5 14.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 46.65 ng

RT: 21.45 min Scan# 1760

Delta R.T. 0.01 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

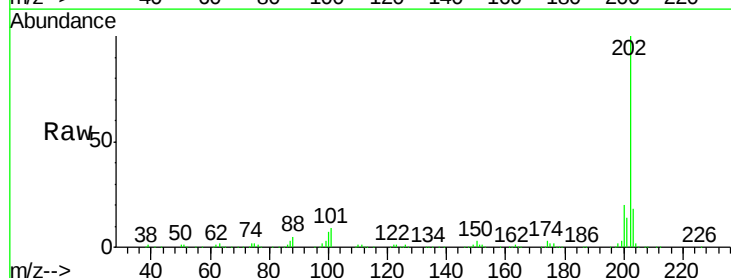
Tgt Ion:202 Resp: 546739

Ion Ratio Lower Upper

202 100

101 9.5 0.0 38.3

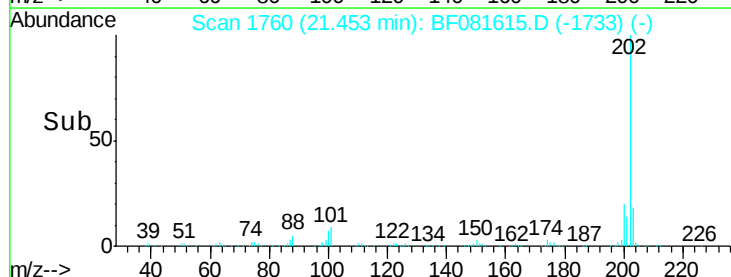
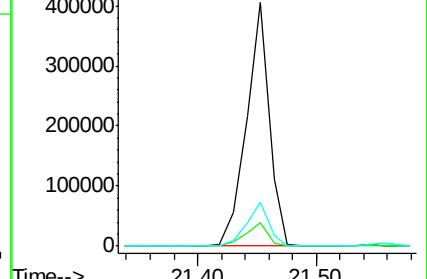
203 17.9 0.0 37.3

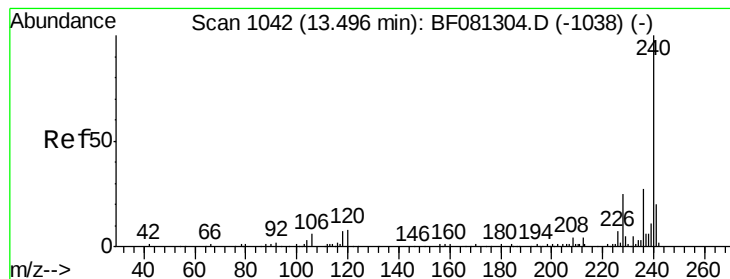


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.40 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

GP-9(0-5)

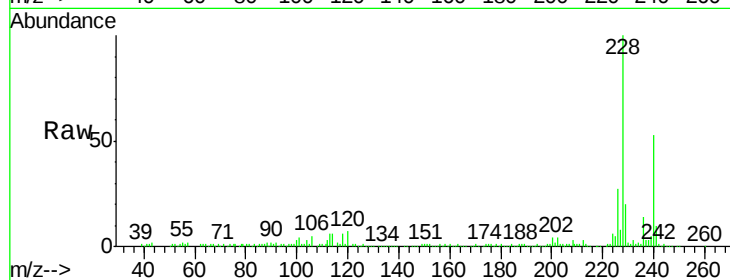
Tgt Ion:240 Resp: 124757

Ion Ratio Lower Upper

240 100

120 12.5 16.2 24.2#

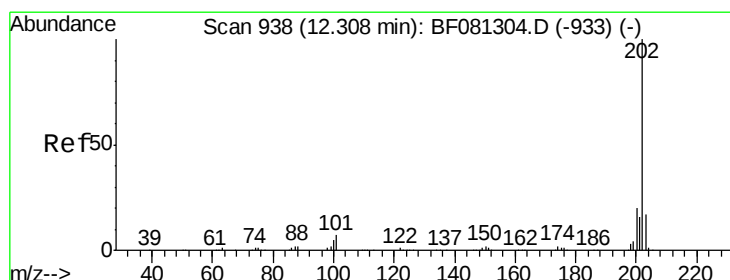
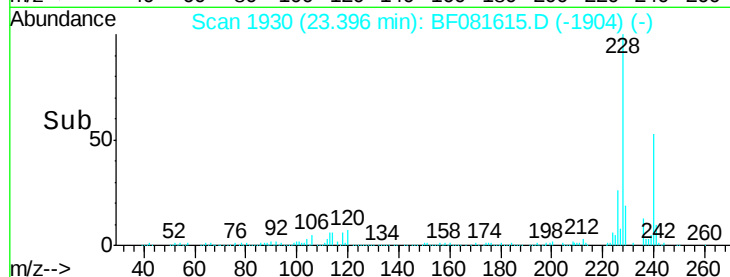
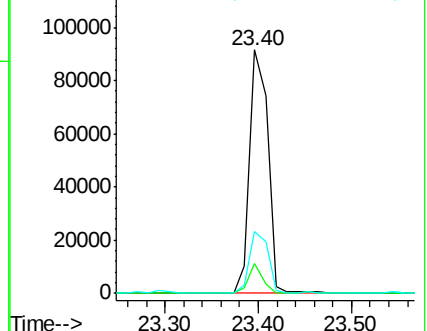
236 25.6 18.4 27.6



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: 59.00 ng

RT: 21.80 min Scan# 1790

Delta R.T. 0.01 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

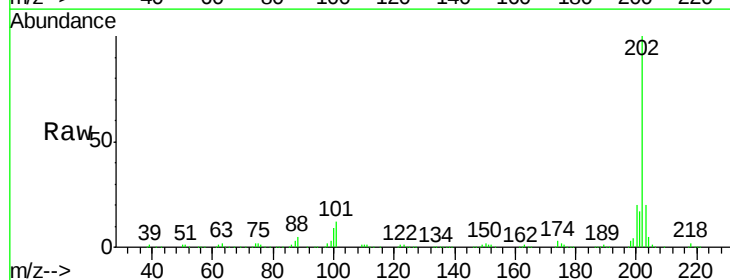
Tgt Ion:202 Resp: 545258

Ion Ratio Lower Upper

202 100

200 20.4 15.0 22.4

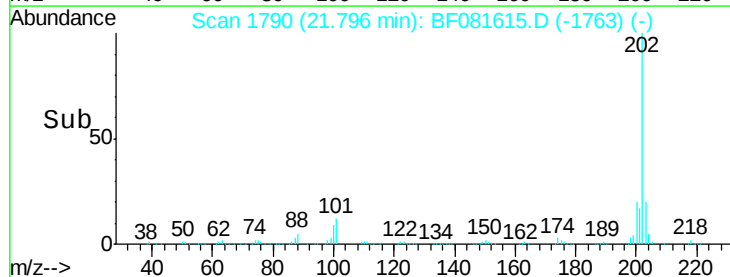
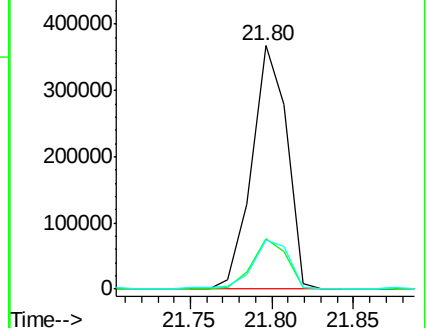
203 20.2 14.1 21.1

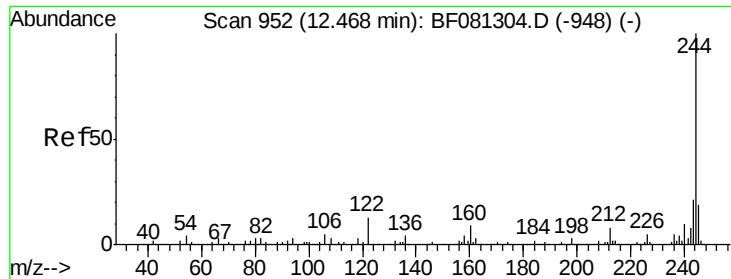


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

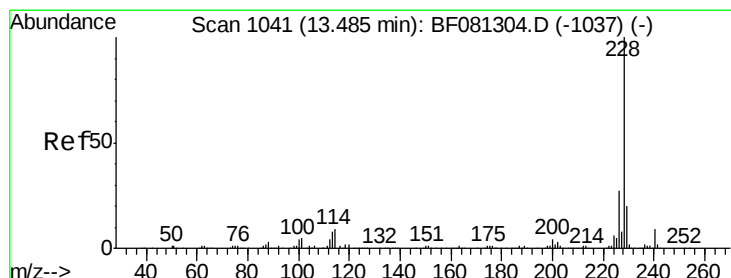
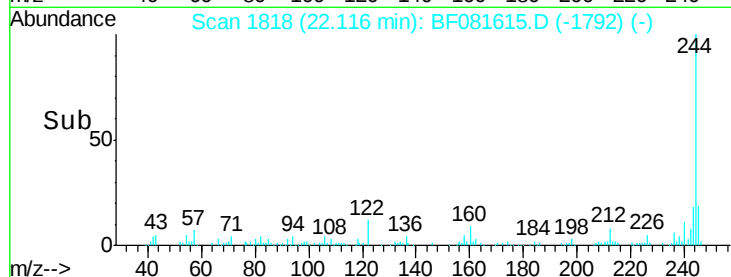
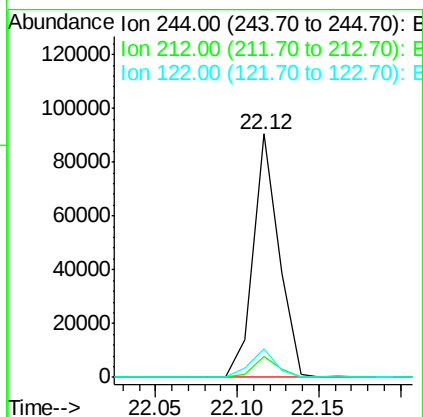
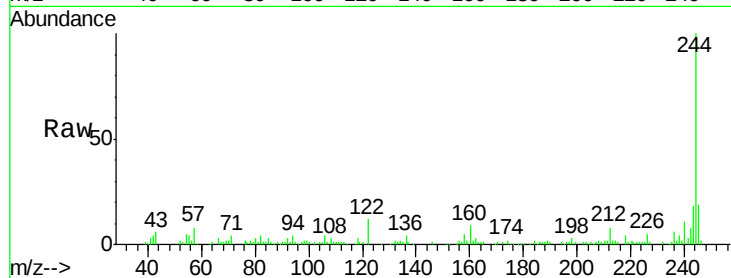




#78
 Terphenyl-d14
 Concen: 18.51 ng
 RT: 22.12 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF081615.D
 Acq: 14 Sep 2015 19:27

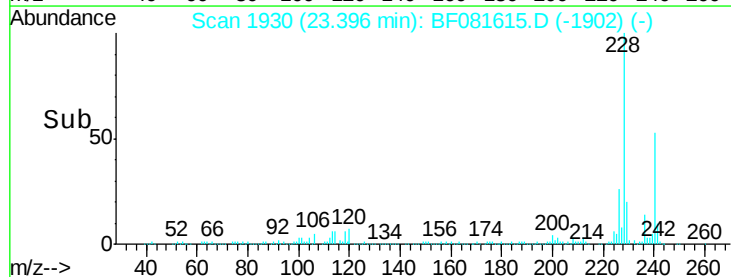
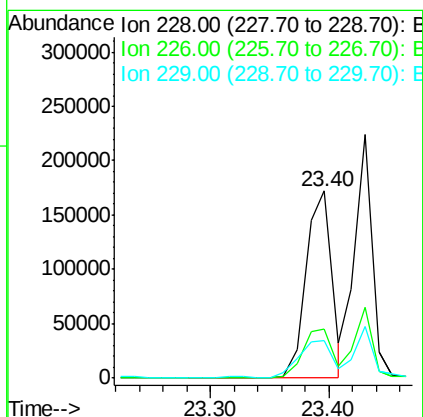
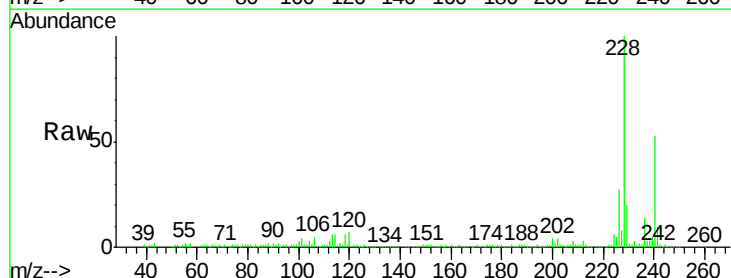
Instrument :
 BNA_F
 ClientSampleId :
 GP-9(0-5)

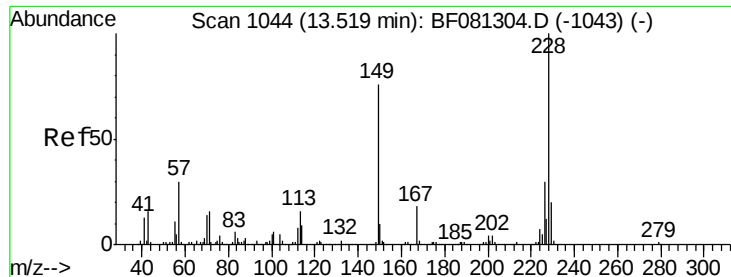
Tgt Ion:244 Resp: 99217
 Ion Ratio Lower Upper
 244 100
 212 8.4 4.3 6.5#
 122 11.7 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 32.72 ng
 RT: 23.40 min Scan# 1930
 Delta R.T. 0.02 min
 Lab File: BF081615.D
 Acq: 14 Sep 2015 19:27

Tgt Ion:228 Resp: 259958
 Ion Ratio Lower Upper
 228 100
 226 26.5 20.0 30.0
 229 20.0 15.4 23.2





#82

Chrysene

Concen: 31.92 ng

RT: 23.43 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

GP-9(0-5)

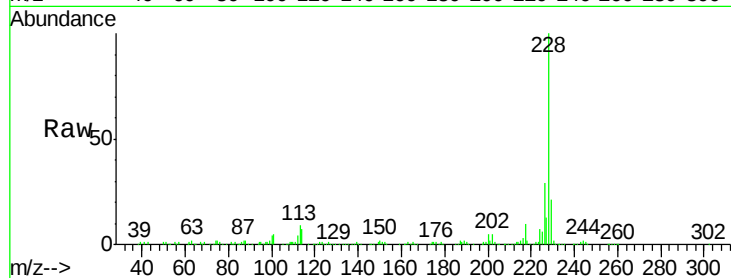
Tgt Ion:228 Resp: 227336

Ion Ratio Lower Upper

228 100

226 29.3 21.0 31.4

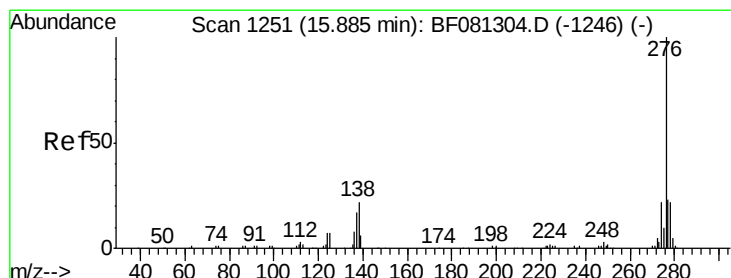
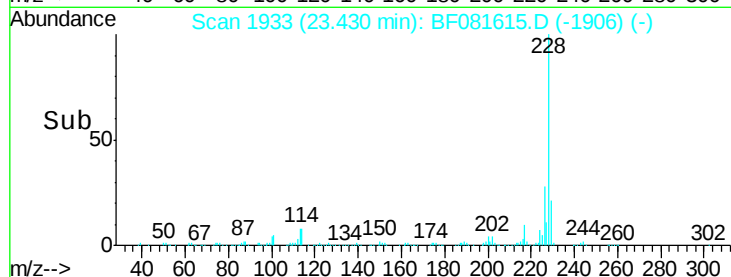
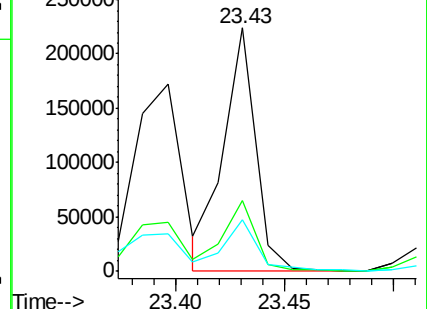
229 21.0 15.6 23.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.36 ng

RT: 25.89 min Scan# 2148

Delta R.T. 0.01 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

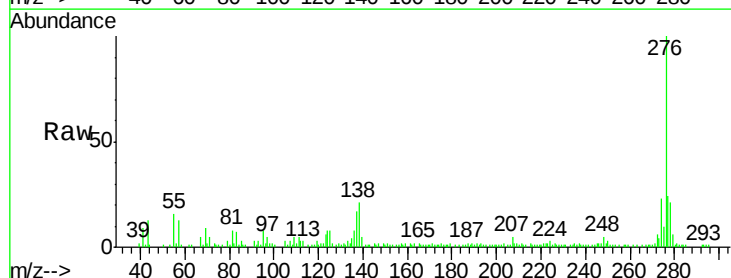
Tgt Ion:276 Resp: 80271

Ion Ratio Lower Upper

276 100

138 19.9 25.7 38.5#

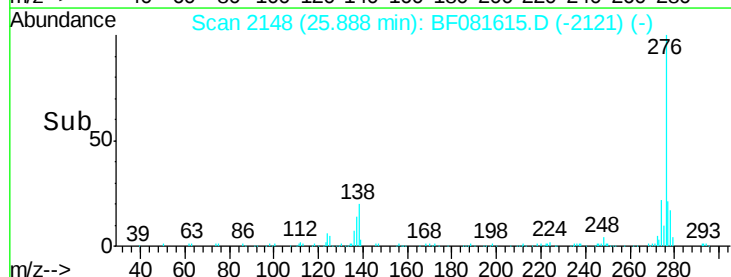
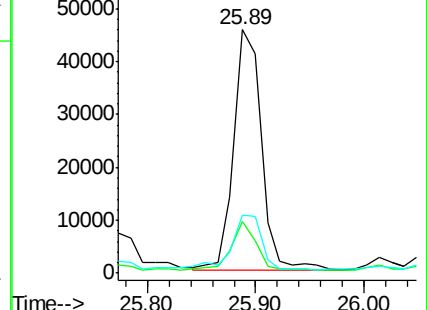
277 26.4 15.6 23.4#

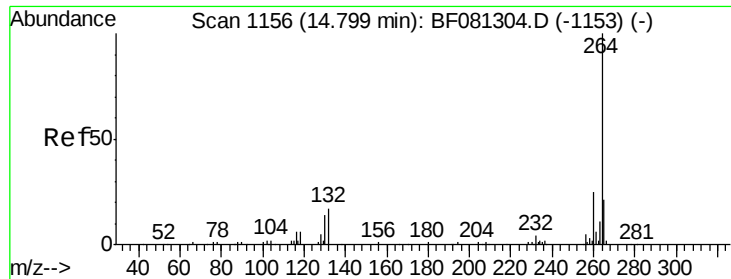


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 24.84 min Scan# 2056

Delta R.T. 0.01 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

GP-9(0-5)

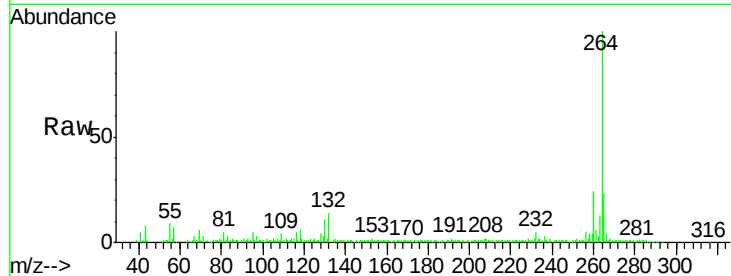
Tgt Ion:264 Resp: 98400

Ion Ratio Lower Upper

264 100

260 24.0 16.7 25.1

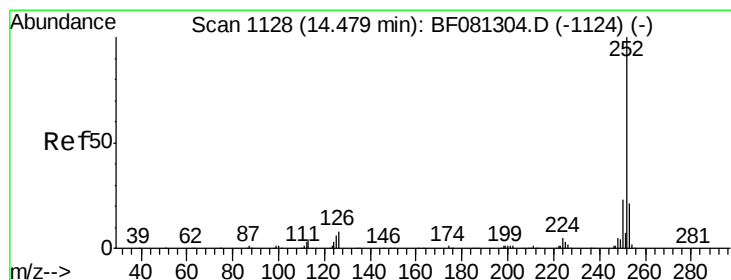
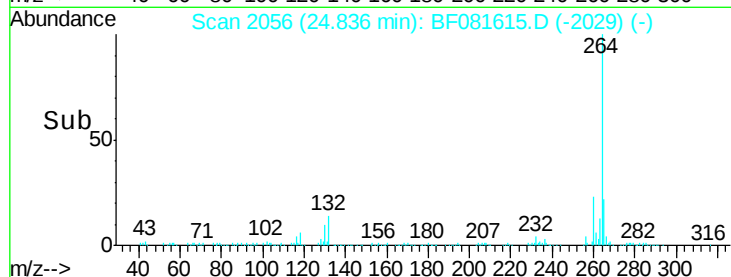
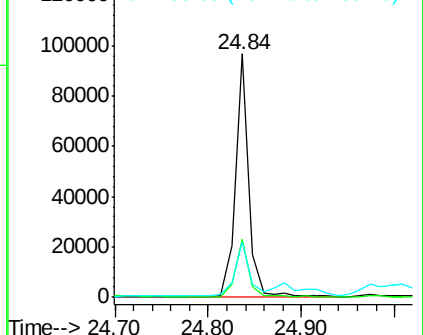
265 22.8 17.2 25.8



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: 50.97 ng

RT: 24.50 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

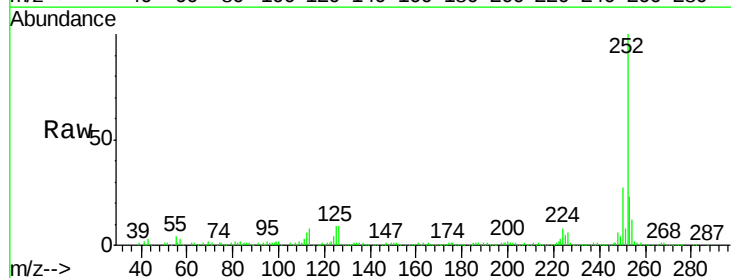
Tgt Ion:252 Resp: 358041

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

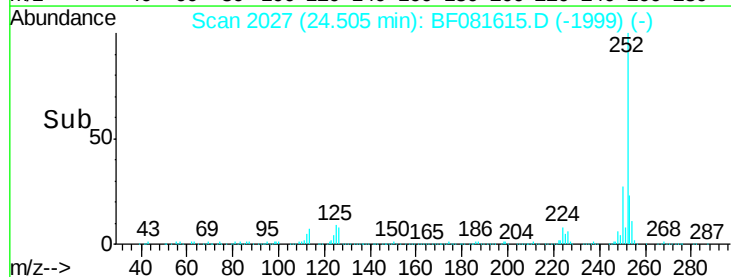
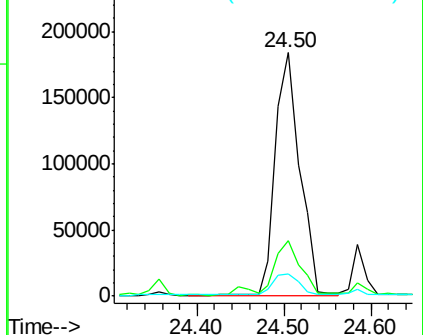
125 9.0 17.1 25.7#

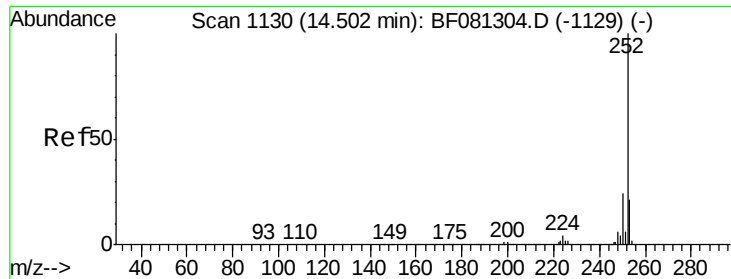


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 61.42 ng

RT: 24.50 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

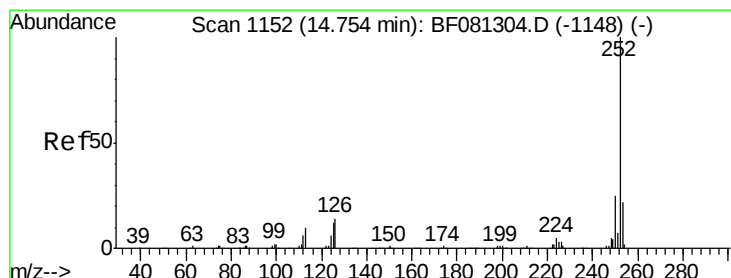
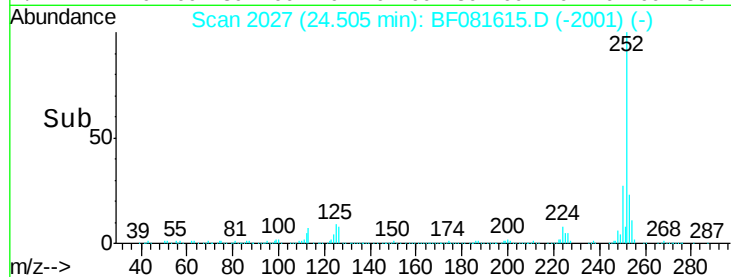
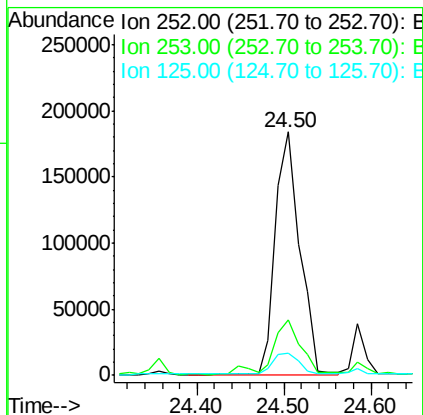
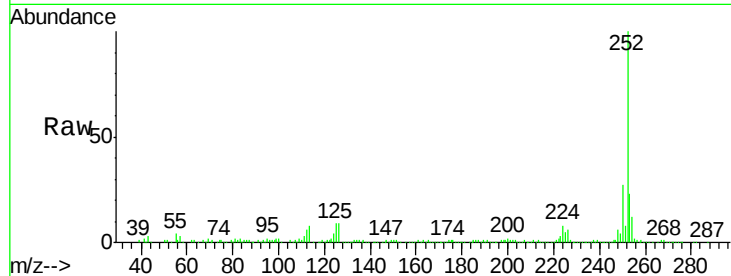
Instrument :

BNA_F

ClientSampleId :

GP-9(0-5)

Tgt Ion:	252	Resp:	358041
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.4
125	9.0	16.0	24.0#



#89

Benzo(a)pyrene

Concen: 29.30 ng

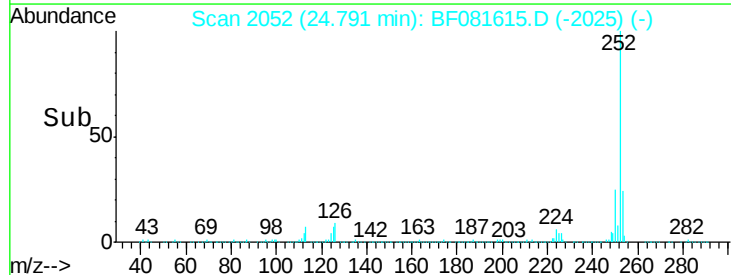
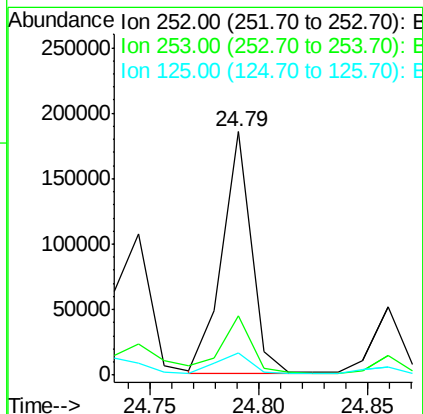
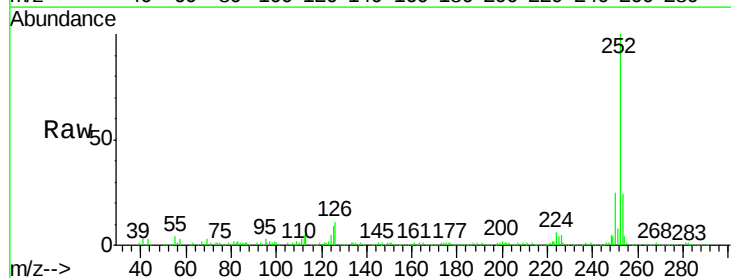
RT: 24.79 min Scan# 2052

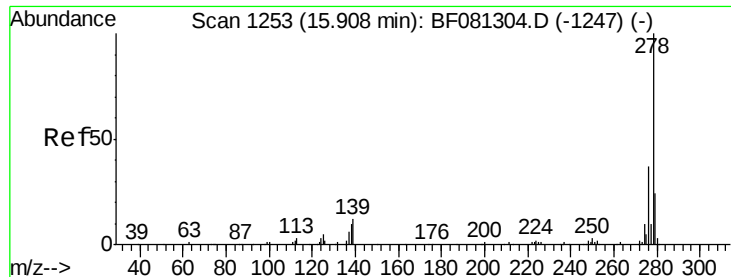
Delta R.T. 0.01 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

Tgt Ion:	252	Resp:	174399
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	8.9	18.0	27.0#





#90

Dibenzo(a,h)anthracene

Concen: 5.49 ng

RT: 25.90 min Scan# 2149

Delta R.T. 0.01 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

GP-9(0-5)

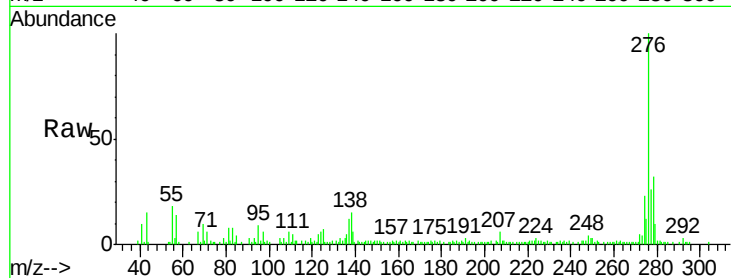
Tgt Ion:278 Resp: 25263

Ion Ratio Lower Upper

278 100

139 21.1 26.3 39.5#

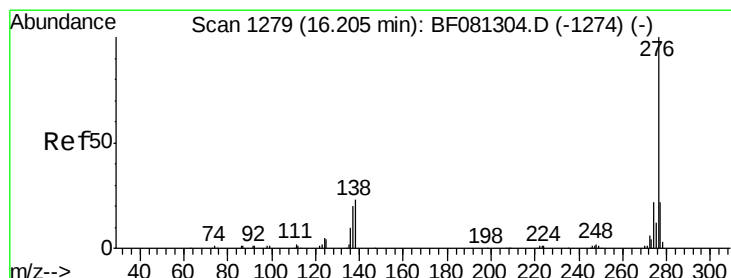
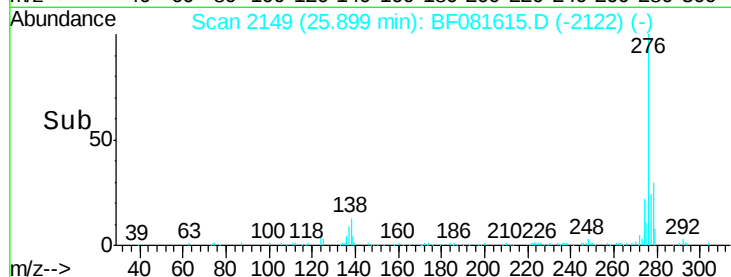
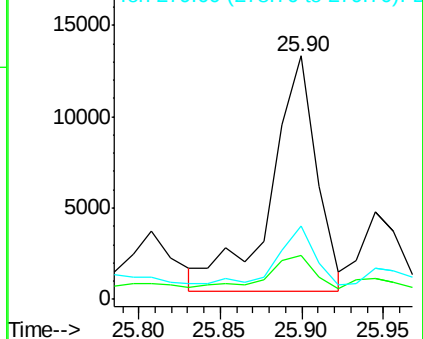
279 29.9 18.2 27.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 15.71 ng

RT: 26.20 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF081615.D

Acq: 14 Sep 2015 19:27

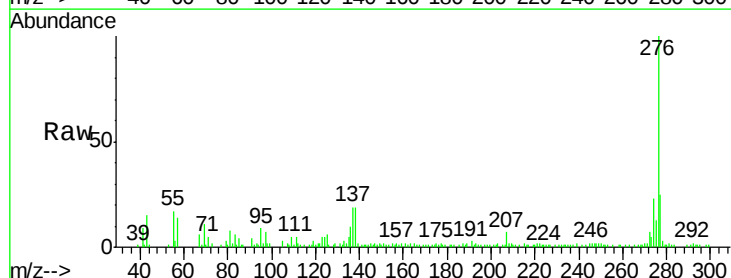
Tgt Ion:276 Resp: 68981

Ion Ratio Lower Upper

276 100

277 25.1 17.8 26.6

138 19.3 34.6 51.8#



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

