

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084487.D
 Acq On : 15 Jan 2016 11:36
 Operator : SJ/UM
 Sample : H1058-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 01:30:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 01:26:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	240292	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	935394	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	336362	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	507705	20.00	ng	0.01
75) Chrysene-d12	14.03	240	198769	20.00	ng	0.05
86) Perylene-d12	15.52	264	179245	20.00	ng	0.11

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	208657	14.05	ng	0.00
7) Phenol-d6	6.46	99	1306048	70.00	ng	0.00
23) Nitrobenzene-d5	7.39	82	1488785	88.58	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	21832	6.43	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1835025	96.85	ng	-0.01
78) Terphenyl-d14	12.96	244	1022316	114.81	ng	0.02

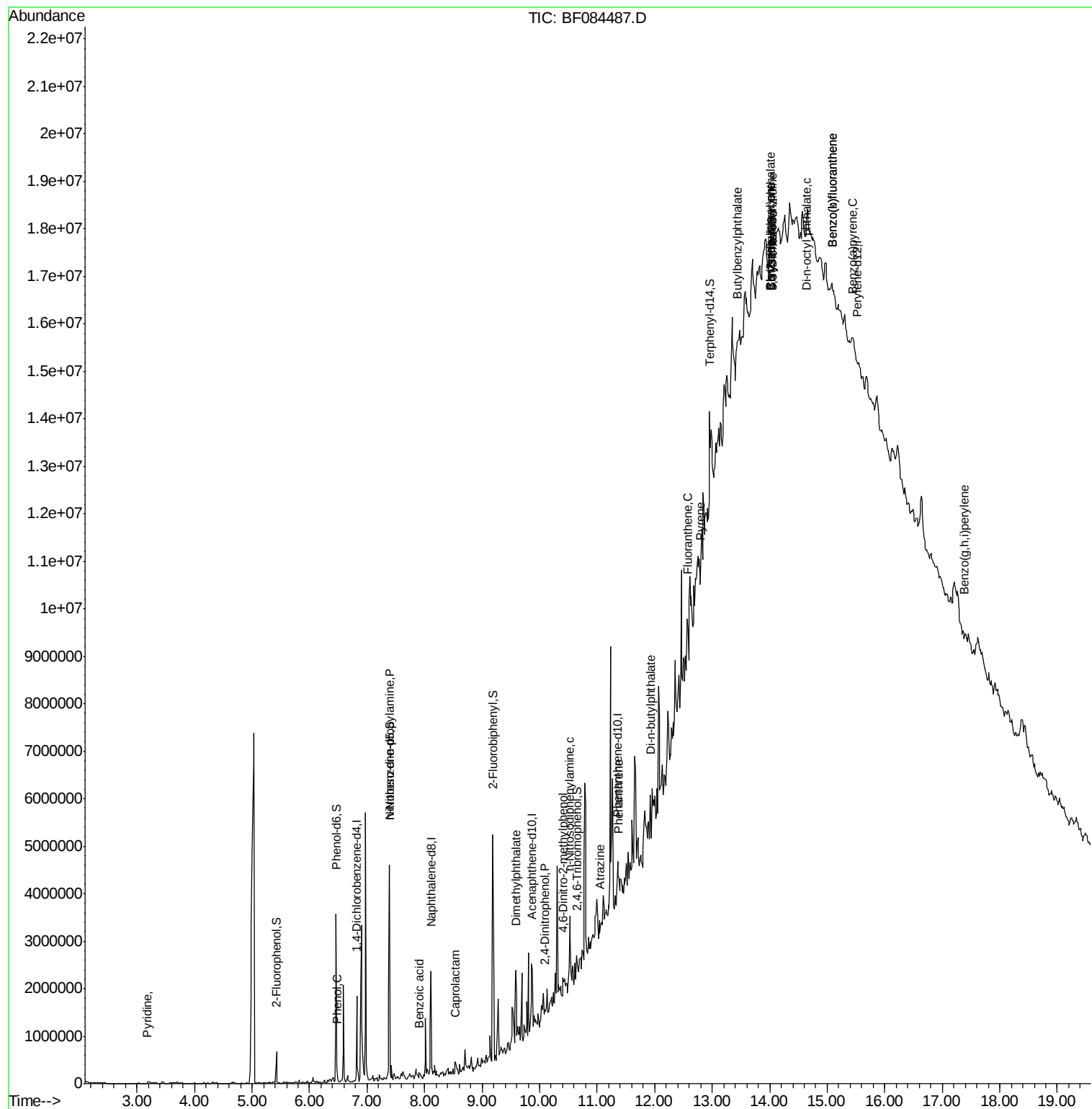
Target Compounds						Qvalue
3) Pyridine	3.18	79	53937	2.75	ng	# 74
10) Phenol	6.48	94	73570	3.47	ng	# 77
19) n-Nitroso-di-n-propylamine	7.39	70	214950	17.02	ng	# 74
32) Benzoic acid	7.90	122	3232	6.53	ng	# 38
35) Caprolactam	8.53	113	9401	2.13	ng	# 1
49) Dimethylphthalate	9.58	163	437948	18.21	ng	# 90
53) 2,4-Dinitrophenol	10.09	184	1270	4.10	ng	# 1
54) Dibenzofuran	9.90	168	11376	Below	Cal	# 97
57) Fluorene	10.41	166	31868	Below	Cal	# 59
60) 4-Chlorophenyl-phenylether	10.43	204	2084	Below	Cal	# 1
64) 4,6-Dinitro-2-methylphenol	10.41	198	3295	7.20	ng	# 1
65) n-Nitrosodiphenylamine	10.52	169	55025	3.39	ng	# 75
68) Atrazine	11.05	200	15231	2.87	ng	# 1
70) Phenanthrene	11.38	178	131278	4.94	ng	# 85
73) Di-n-butylphthalate	11.93	149	459181	12.73	ng	# 94
74) Fluoranthene	12.57	202	110271	3.97	ng	# 88
77) Pyrene	12.80	202	127833	8.20	ng	# 84
79) Butylbenzylphthalate	13.44	149	22524	3.34	ng	# 57
80) Benzo(a)anthracene	14.02	228	38034	3.26	ng	# 40
81) 3,3'-Dichlorobenzidine	14.04	252	17523	4.30	ng	# 1
82) Chrysene	14.02	228	38034	3.39	ng	# 47
83) Bis(2-ethylhexyl)phthalate	14.02	149	221967	26.03	ng	# 77
84) Di-n-octyl phthalate	14.65	149	43095	2.99	ng	# 1
87) Benzo(b)fluoranthene	15.09	252	38676	3.30	ng	# 1
88) Benzo(k)fluoranthene	15.09	252	39372	4.11	ng	# 1
89) Benzo(a)pyrene	15.45	252	22309	2.24	ng	# 1
91) Benzo(g,h,i)perylene	17.38	276	29252	3.30	ng	# 1

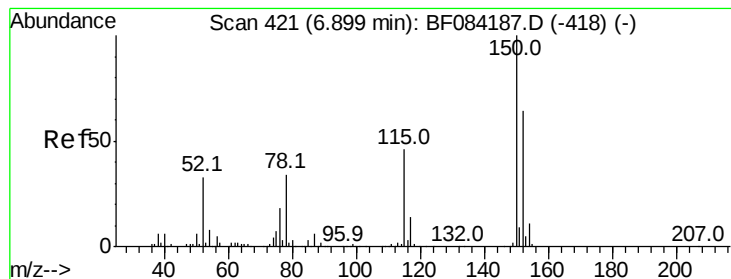
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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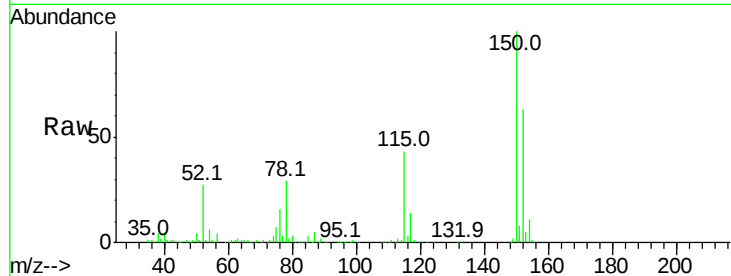


#1

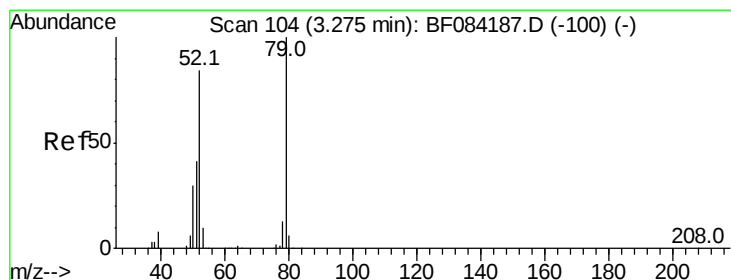
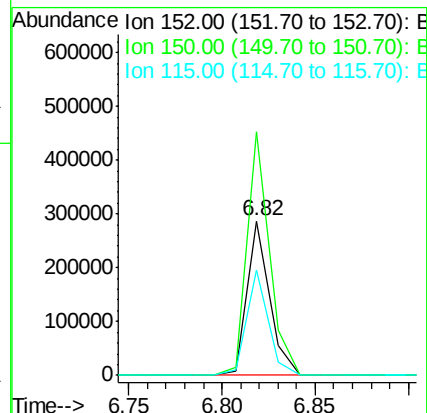
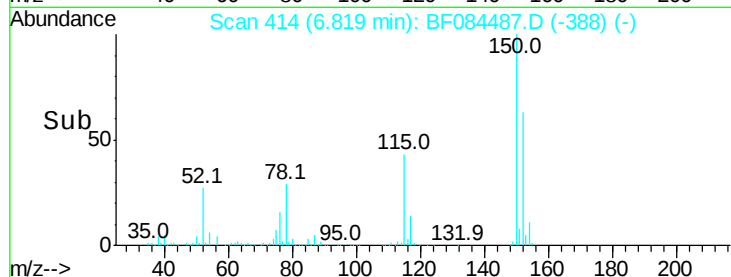
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF084487.D
Acq: 15 Jan 2016 11:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 240292
Ion Ratio Lower Upper
152 100
150 157.9 123.0 184.4
115 68.6 51.4 77.2



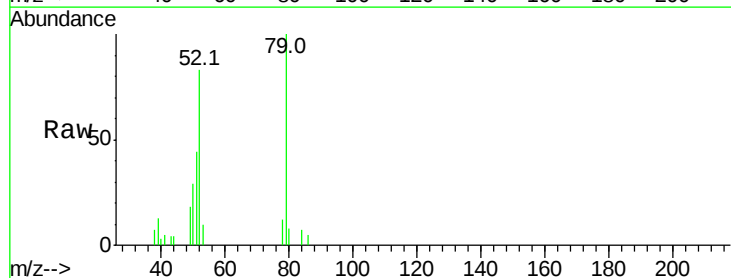
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



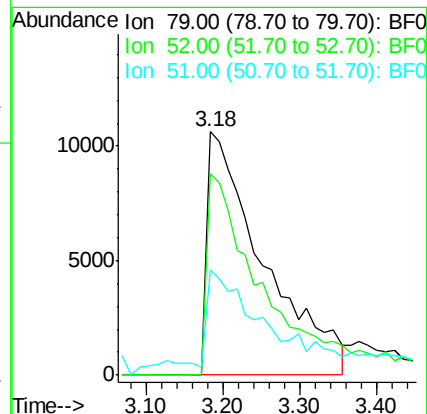
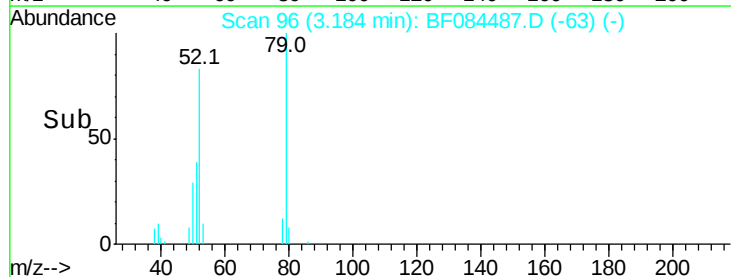
#3

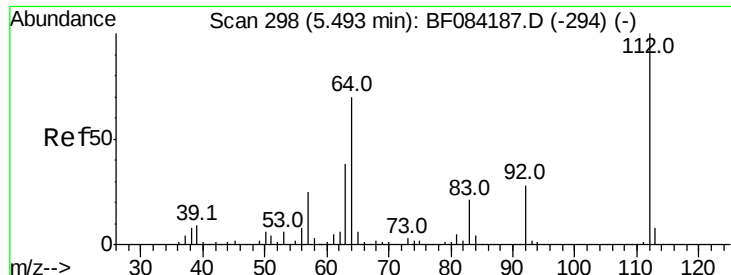
Pyridine
Concen: 2.75 ng
RT: 3.18 min Scan# 96
Delta R.T. 0.08 min
Lab File: BF084487.D
Acq: 15 Jan 2016 11:36

Tgt Ion: 79 Resp: 53937
Ion Ratio Lower Upper
79 100
52 82.5 49.0 73.4#
51 43.5 25.2 37.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 14.05 ng

RT: 5.42 min Scan# 292

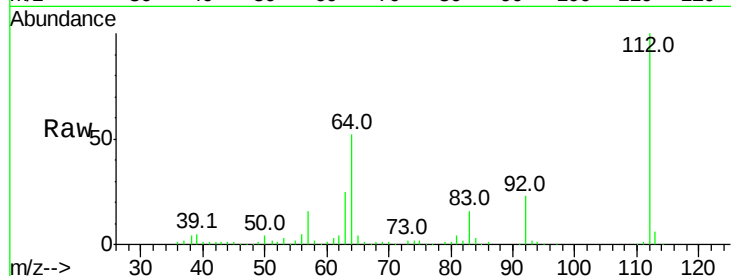
Delta R.T. -0.00 min

Lab File: BF084487.D

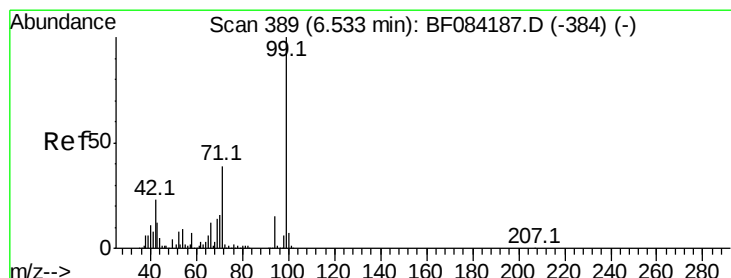
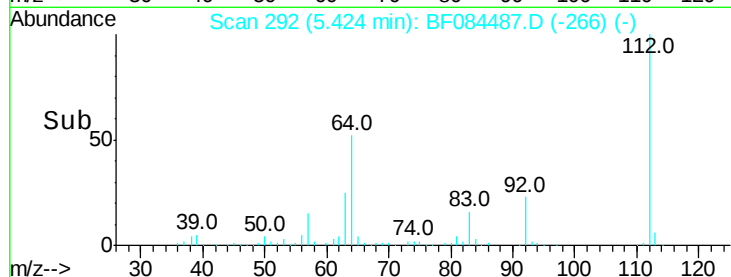
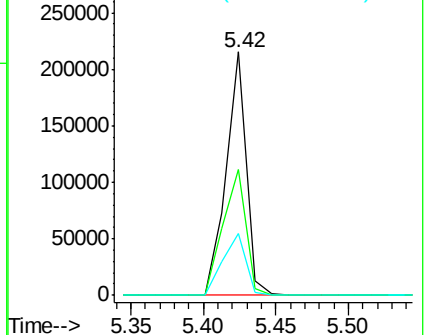
Acq: 15 Jan 2016 11:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:	112	Resp:	208657
Ion	Ratio	Lower	Upper
112	100		
64	51.9	36.6	55.0
63	25.3	19.4	29.0



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: 70.00 ng

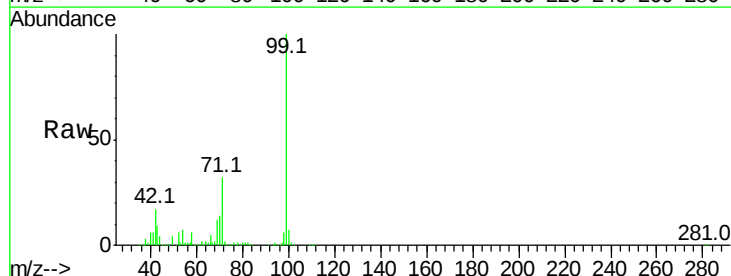
RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

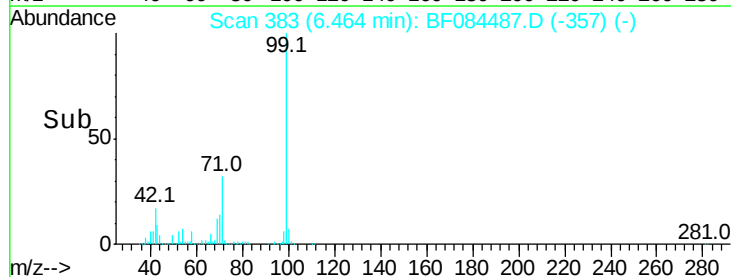
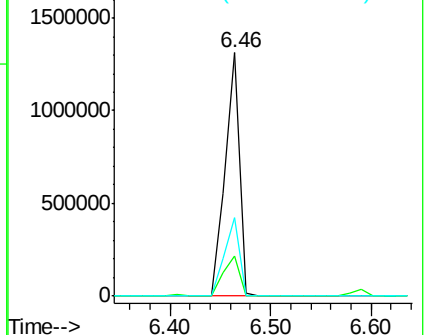
Lab File: BF084487.D

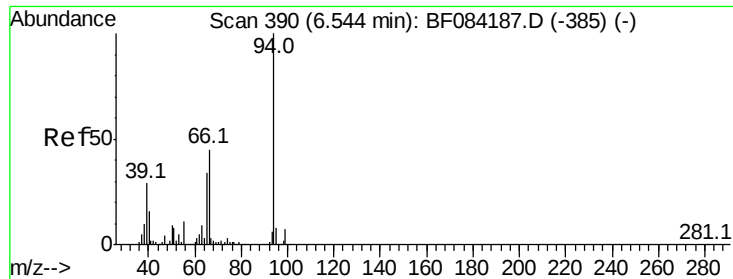
Acq: 15 Jan 2016 11:36

Tgt Ion:	99	Resp:	1306048
Ion	Ratio	Lower	Upper
99	100		
42	16.7	12.8	19.2
71	32.0	30.9	46.3



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





#10

Phenol

Concen: 3.47 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampleId :

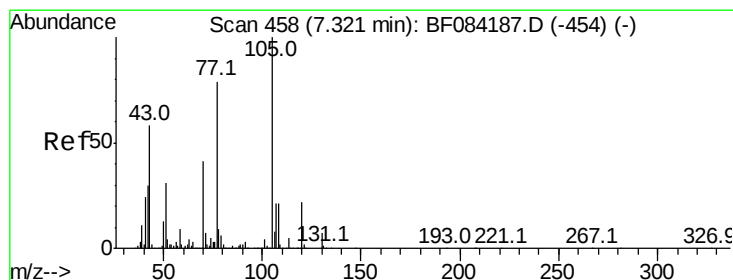
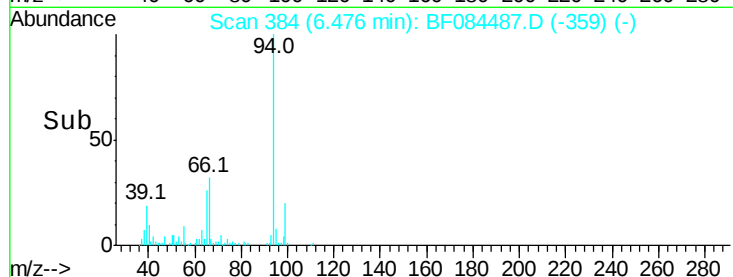
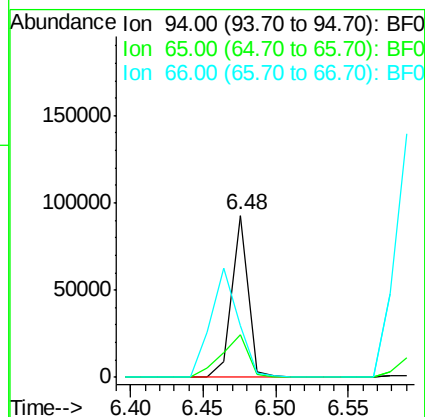
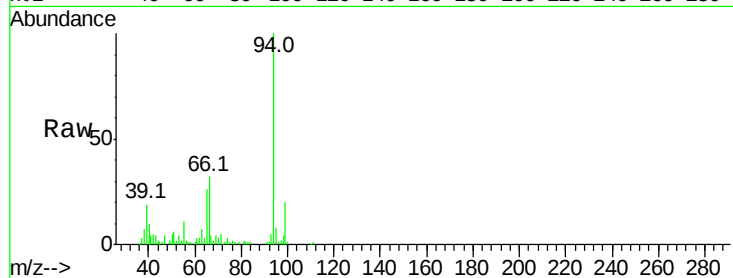
Tot Ion: 94 Resp: 73570

Ion Ratio Lower Upper

94 100

65 26.4 12.9 52.9

66 31.8 32.7 72.7#



#19

n-Nitroso-di-n-propylamine

Concen: 17.02 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Tgt Ion: 70 Resp: 214950

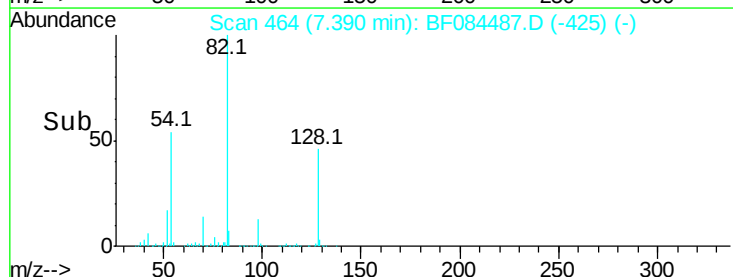
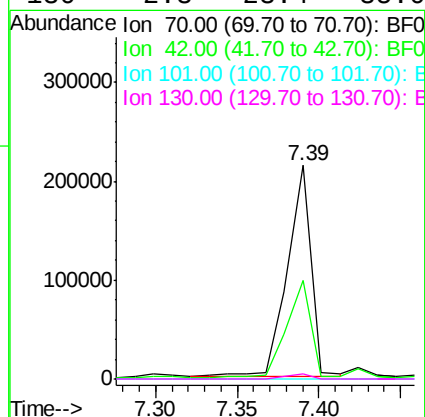
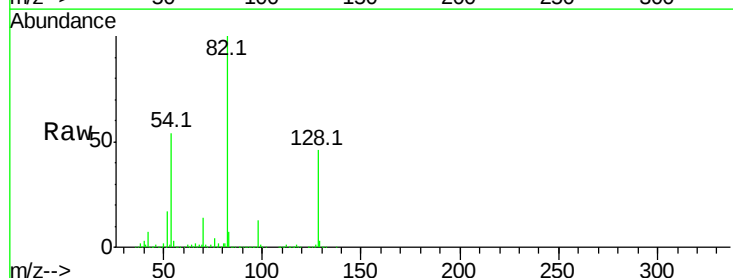
Ion Ratio Lower Upper

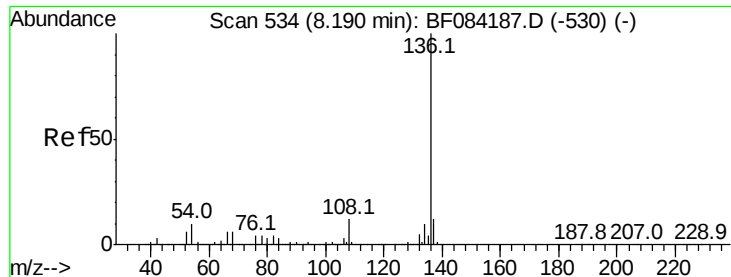
70 100

42 46.1 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 935394

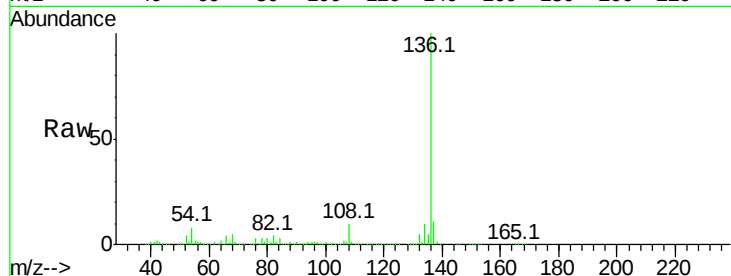
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 7.7 5.8 8.8

68 5.2 4.2 6.2

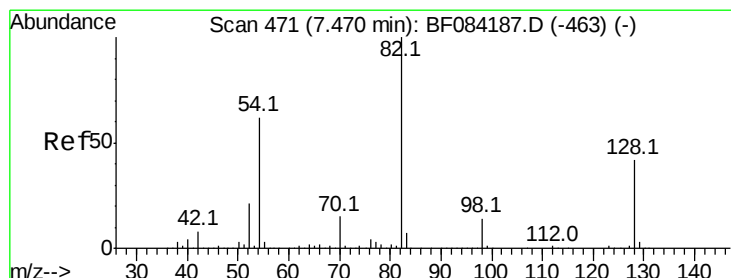
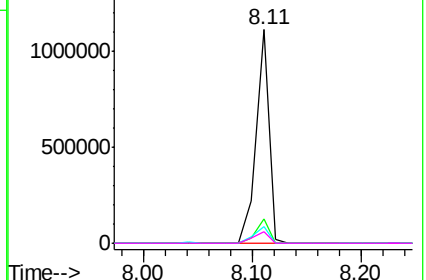
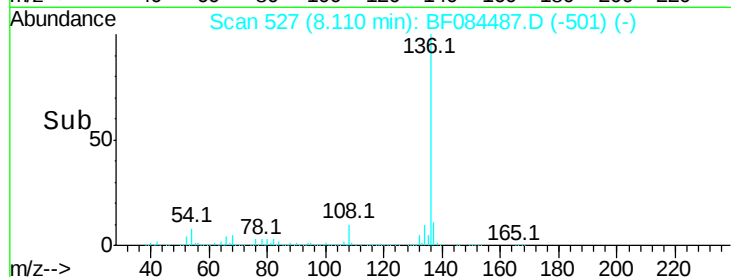


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.58 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

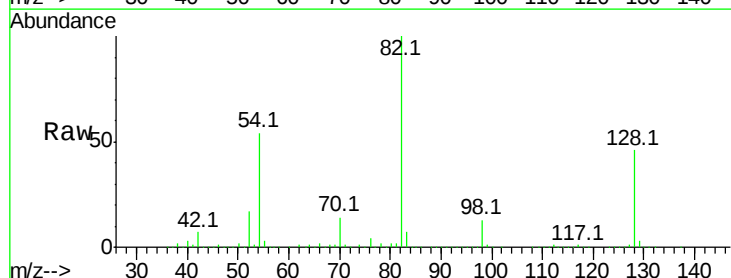
Tgt Ion: 82 Resp: 1488785

Ion Ratio Lower Upper

82 100

128 45.8 34.6 51.8

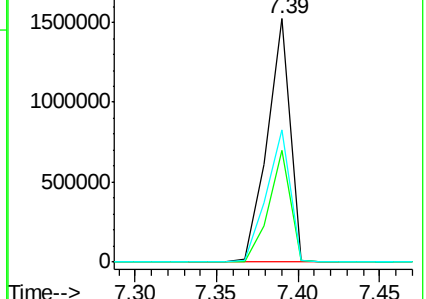
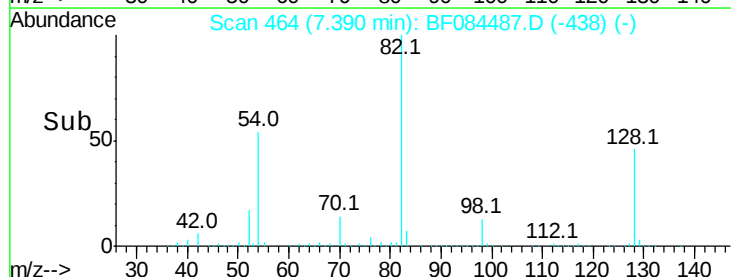
54 54.4 38.4 57.6

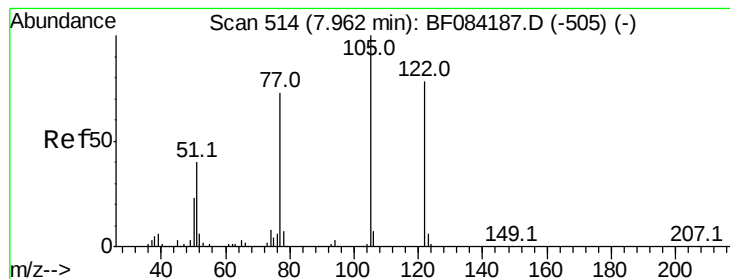


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.53 ng

RT: 7.90 min Scan# 509

Delta R.T. 0.01 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampleId :

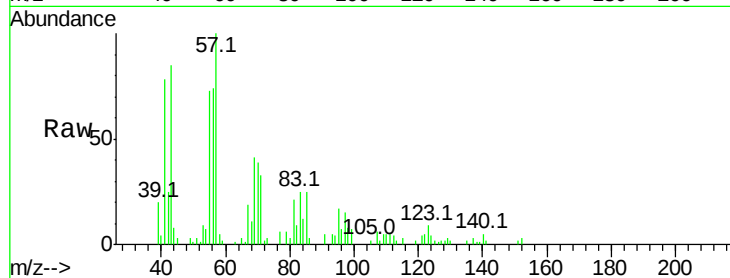
Tot Ion:122 Resp: 3232

Ion Ratio Lower Upper

122 100

105 35.6 100.3 140.3#

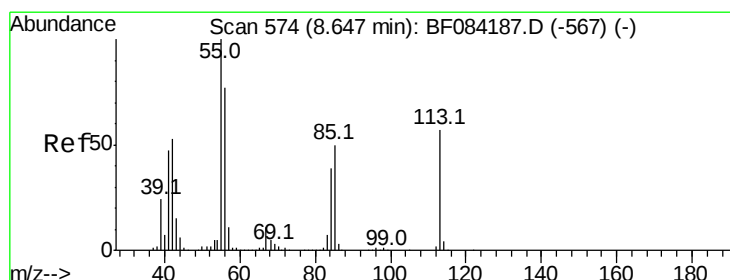
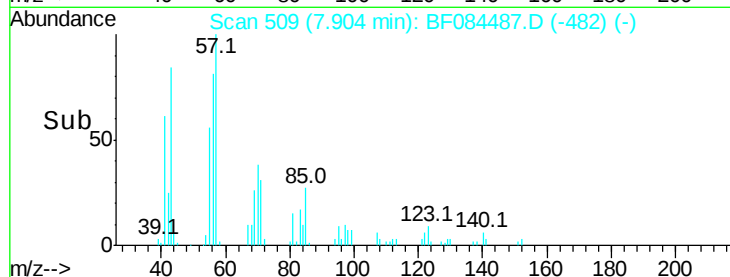
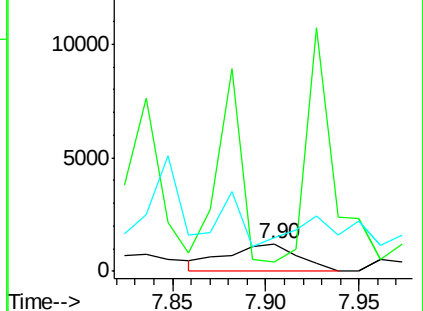
77 120.6 63.5 103.5#



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): BF0



#35

Caprolactam

Concen: 2.13 ng

RT: 8.53 min Scan# 564

Delta R.T. -0.03 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

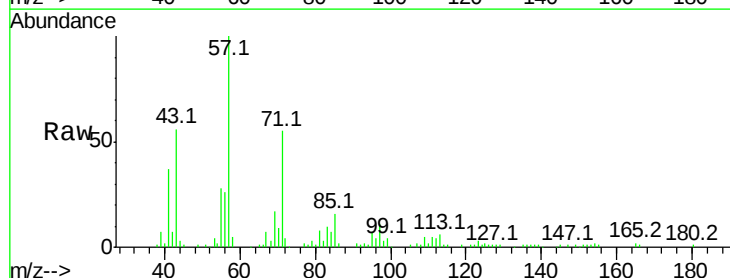
Tgt Ion:113 Resp: 9401

Ion Ratio Lower Upper

113 100

55 473.4 116.9 156.9#

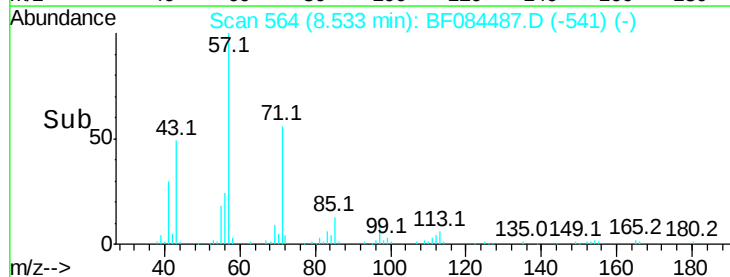
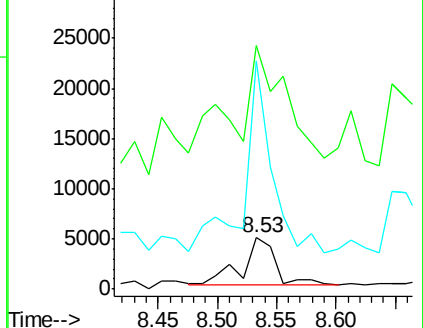
56 443.0 93.8 133.8#

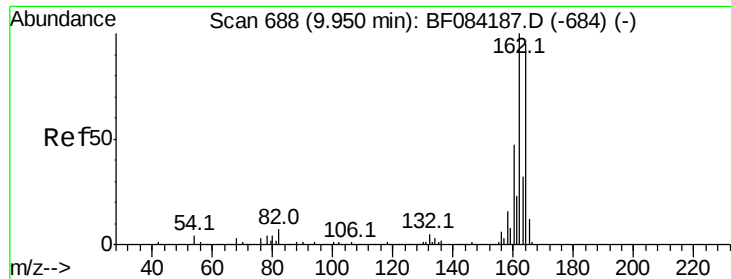


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

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ClientSampleId :

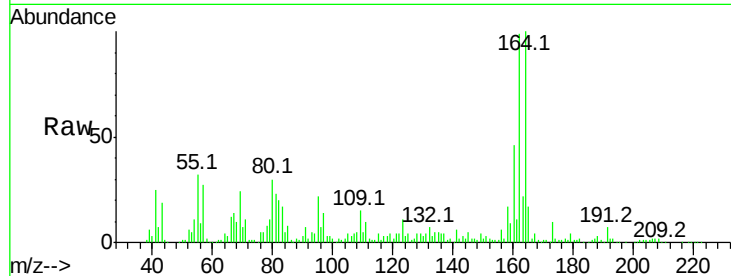
Tot Ion:164 Resp: 336362

Ion Ratio Lower Upper

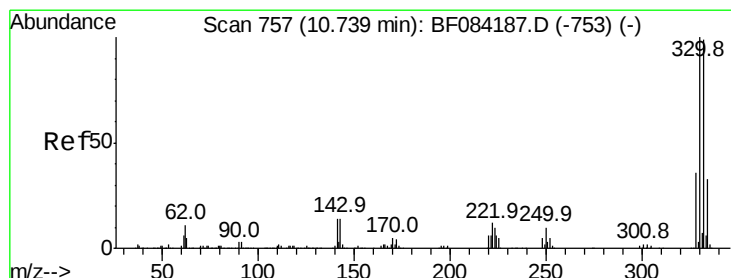
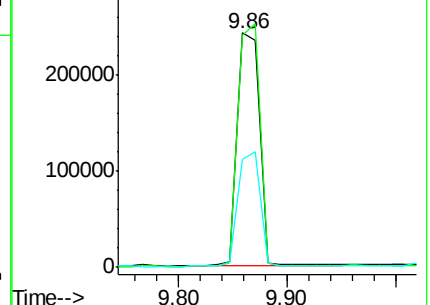
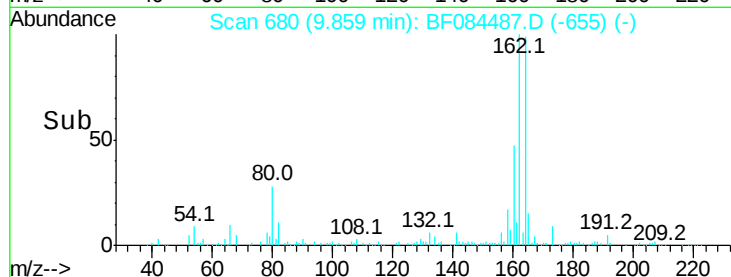
164 100

162 99.2 85.1 127.7

160 46.3 37.5 56.3



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: 6.43 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

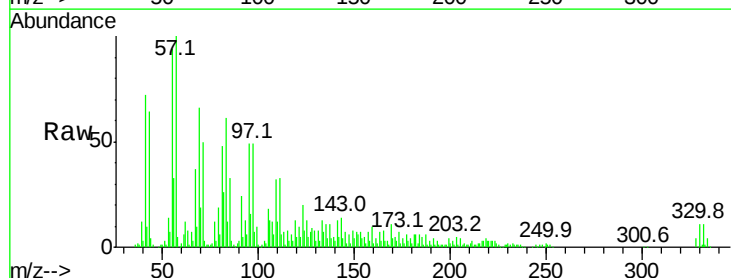
Tgt Ion:330 Resp: 21832

Ion Ratio Lower Upper

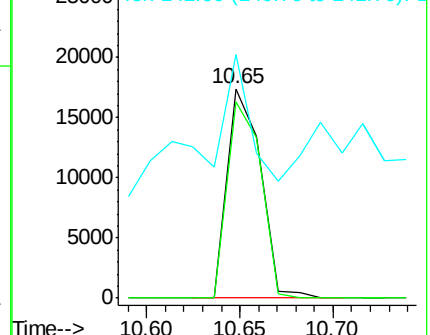
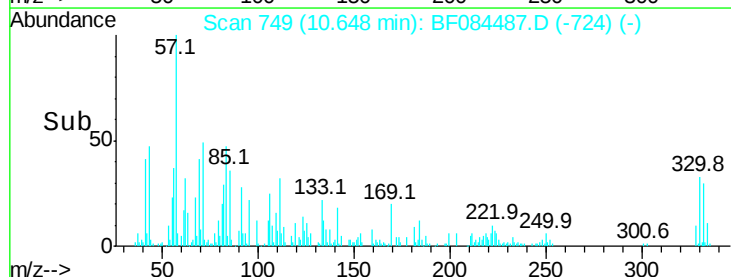
330 100

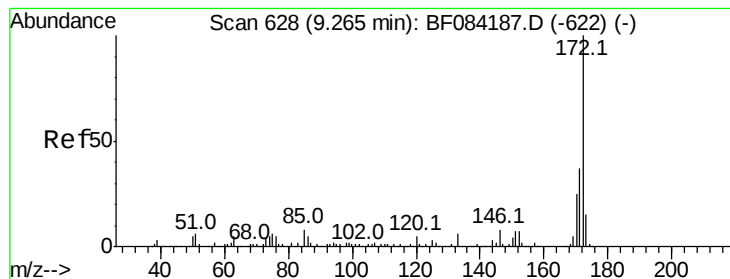
332 94.4 76.6 114.8

141 96.1 27.8 41.6#



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: 96.85 ng

RT: 9.18 min Scan# 621

Delta R.T. -0.01 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampleId :

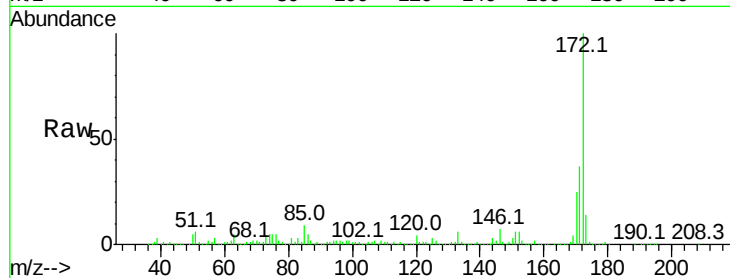
Tot Ion:172 Resp: 1835025

Ion Ratio Lower Upper

172 100

171 36.9 28.9 43.3

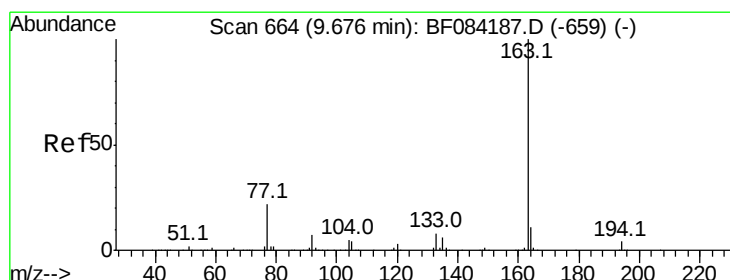
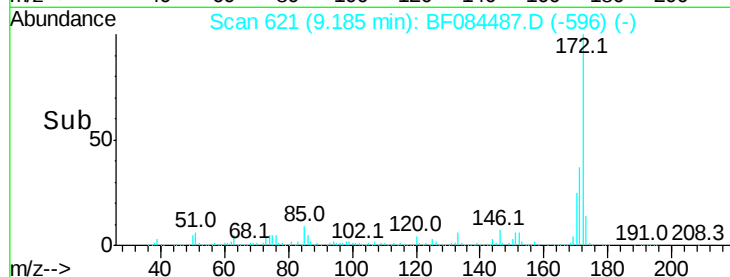
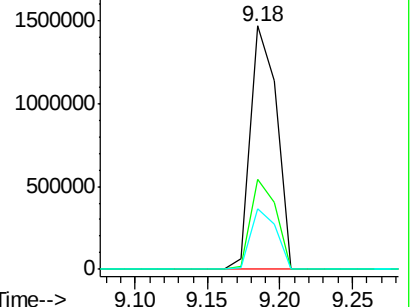
170 24.8 18.6 27.8



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: 18.21 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

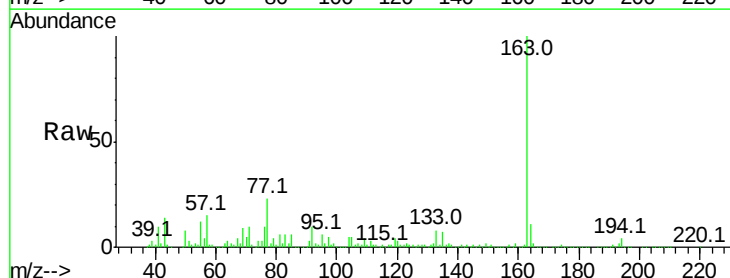
Tgt Ion:163 Resp: 437948

Ion Ratio Lower Upper

163 100

194 3.6 8.0 12.0#

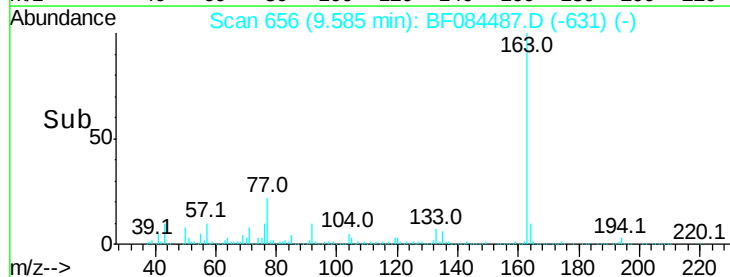
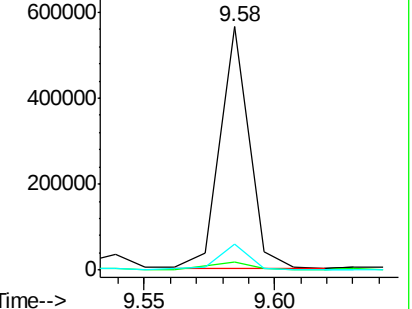
164 10.6 8.0 12.0

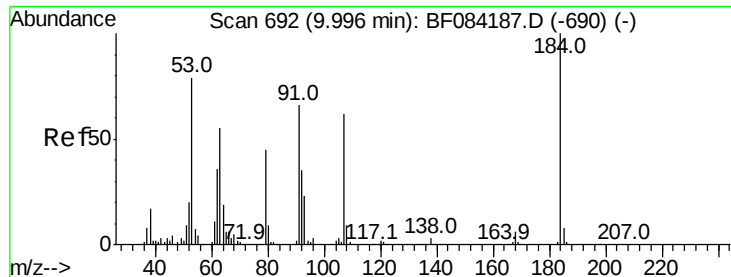


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

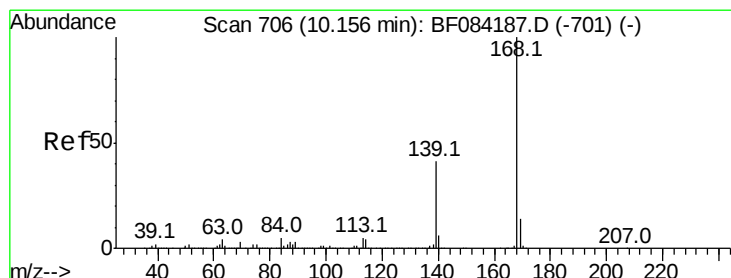
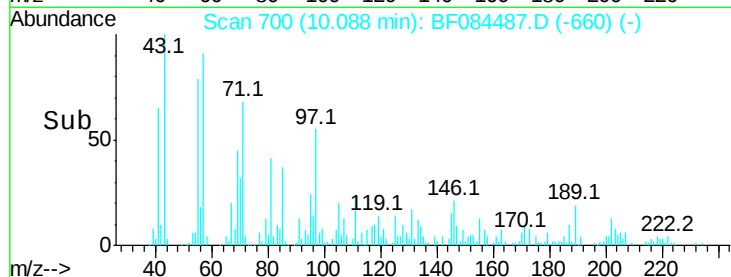
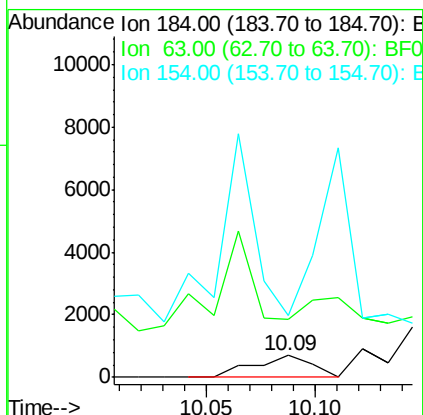
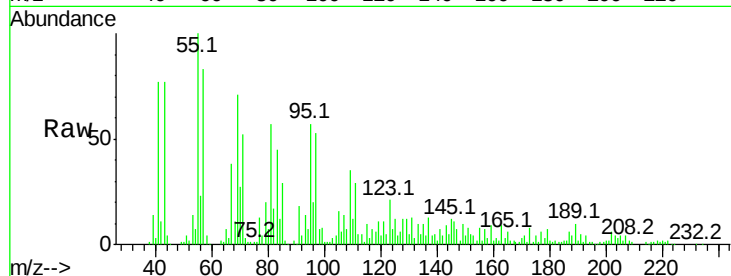




#53
2,4-Dinitrophenol
Concen: 4.10 na
RT: 10.09 min Scan# 700
Delta R.T. 0.16 min
Lab File: BF084487.D
Acq: 15 Jan 2016 11:36

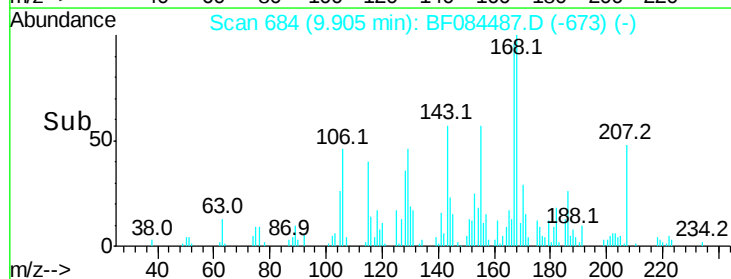
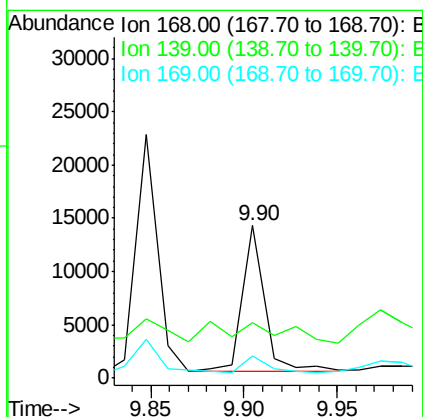
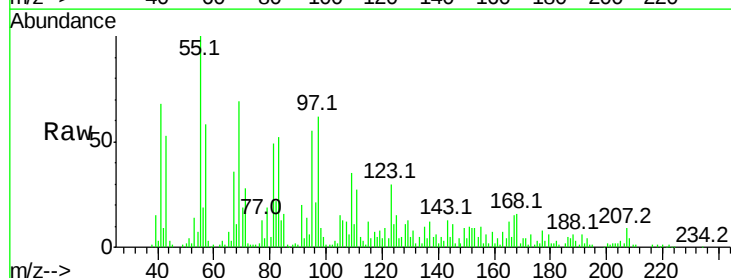
Instrument :
BNA_F
ClientSampled :

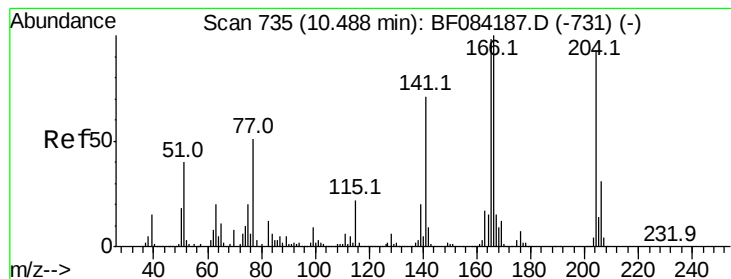
Tot Ion:184 Resp: 1270
Ion Ratio Lower Upper
184 100
63 267.9 43.1 64.7#
154 284.5 60.5 90.7#



#54
Dibenzofuran
Concen: Below Cal
RT: 9.90 min Scan# 684
Delta R.T. -0.17 min
Lab File: BF084487.D
Acq: 15 Jan 2016 11:36

Tgt Ion:168 Resp: 11376
Ion Ratio Lower Upper
168 100
139 36.7 30.5 45.7
169 14.6 10.4 15.6





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.43 min Scan# 730

Delta R.T. 0.02 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampled :

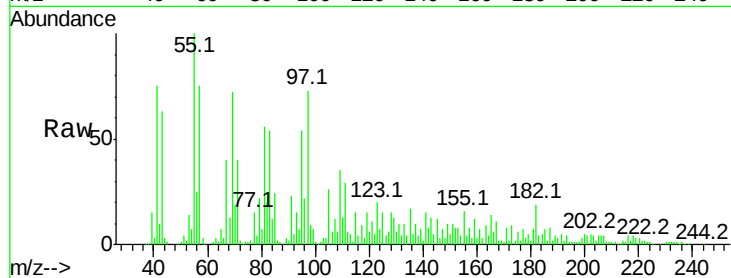
Tot Ion:204 Resp: 2084

Ion Ratio Lower Upper

204 100

206 175.0 25.7 38.5#

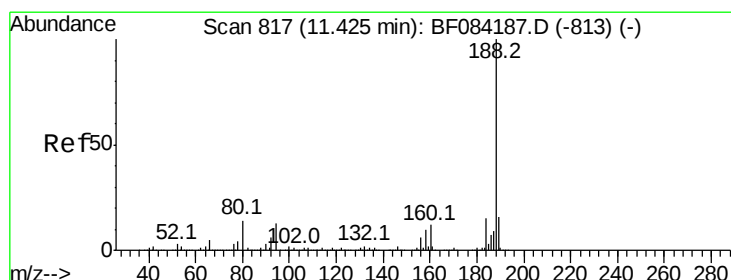
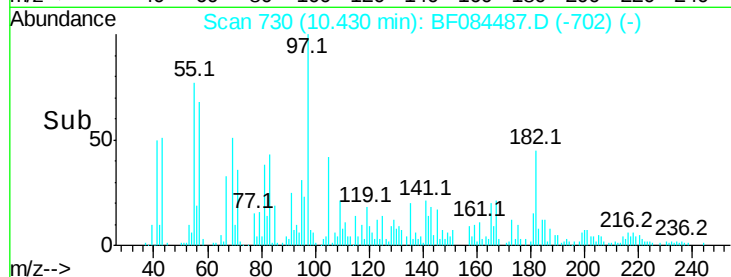
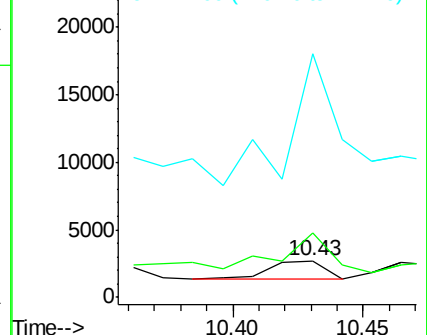
141 667.1 55.1 82.7#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. 0.01 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

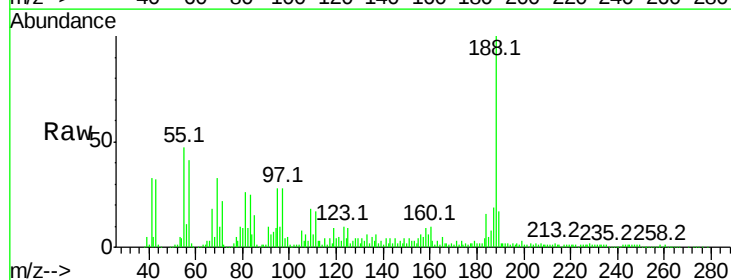
Tgt Ion:188 Resp: 507705

Ion Ratio Lower Upper

188 100

94 9.4 9.0 13.4

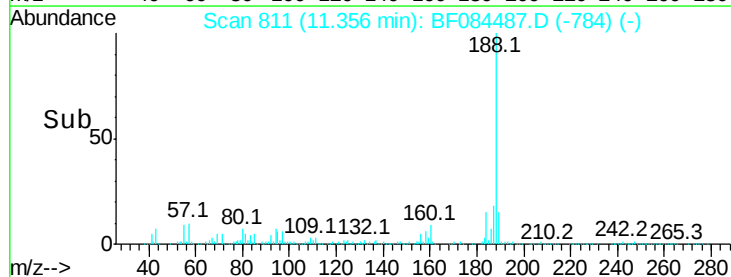
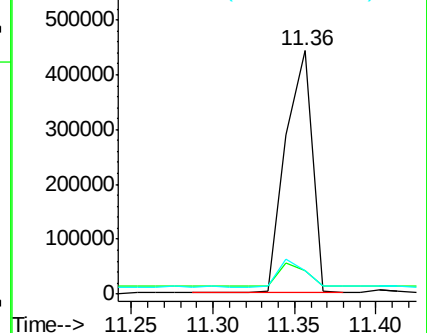
80 9.4 9.6 14.4#

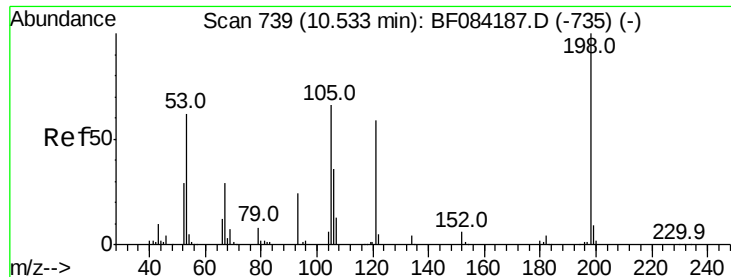


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

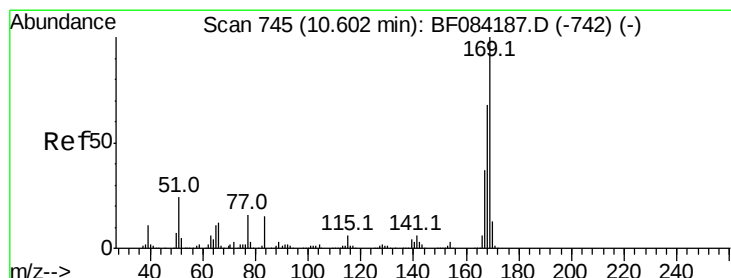
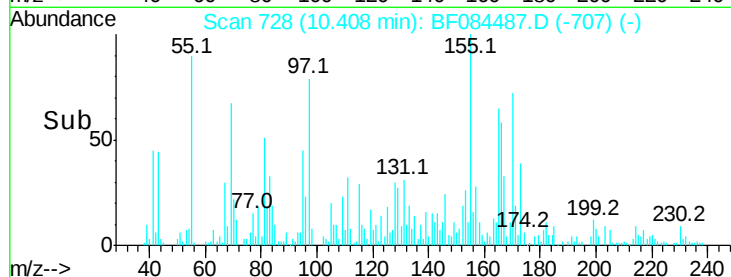
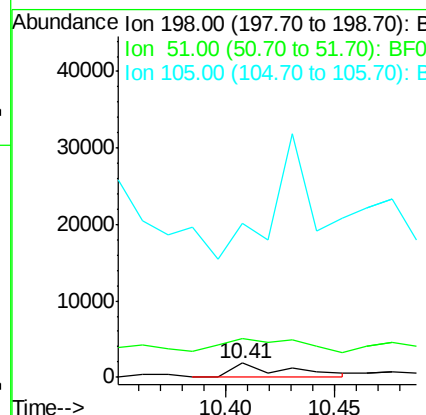
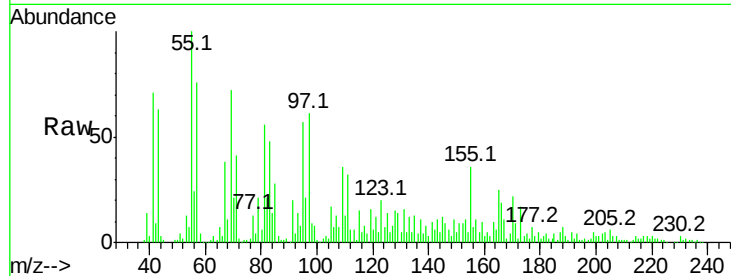




#64
4,6-Dinitro-2-methylphenol
Concen: 7.20 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.06 min
Lab File: BF084487.D
Acq: 15 Jan 2016 11:36

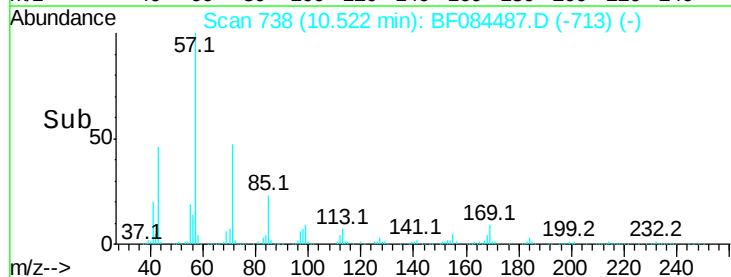
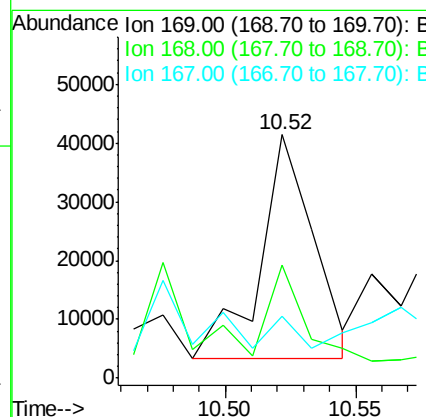
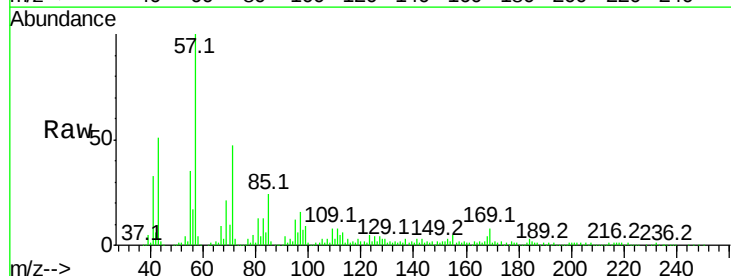
Instrument :
BNA_F
ClientSampleId :

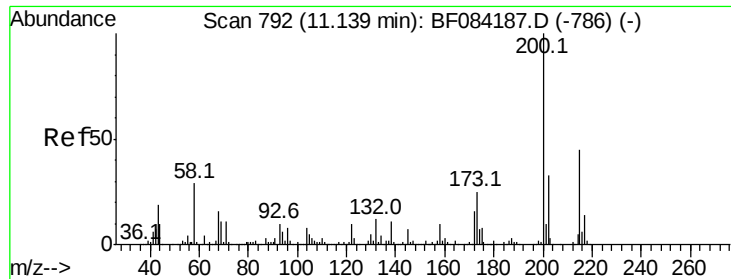
Tot Ion:198 Resp: 3295
Ion Ratio Lower Upper
198 100
51 275.6 18.9 58.9#
105 1095.3 26.4 66.4#



#65
n-Nitrosodiphenylamine
Concen: 3.39 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF084487.D
Acq: 15 Jan 2016 11:36

Tgt Ion:169 Resp: 55025
Ion Ratio Lower Upper
169 100
168 46.4 55.1 82.7#
167 25.5 30.0 45.0#





#68

Atrazine

Concen: 2.87 ng

RT: 11.05 min Scan# 784

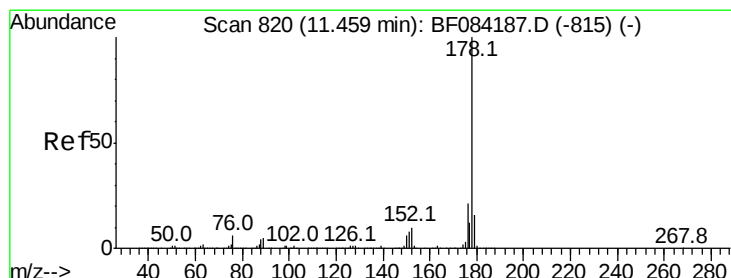
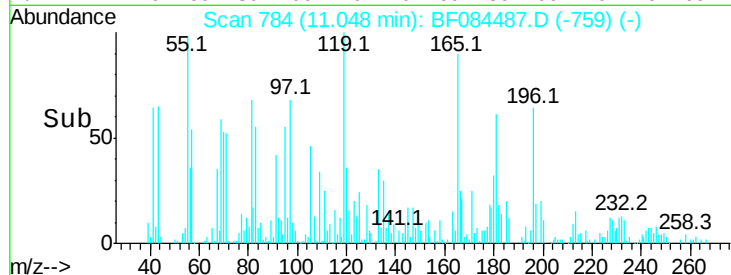
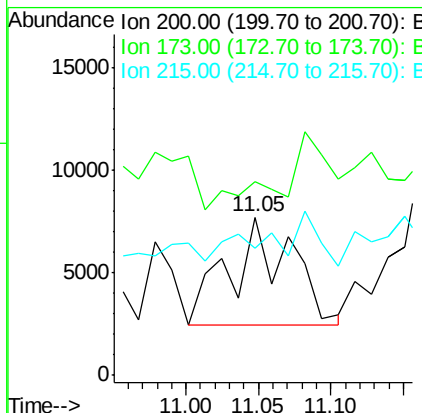
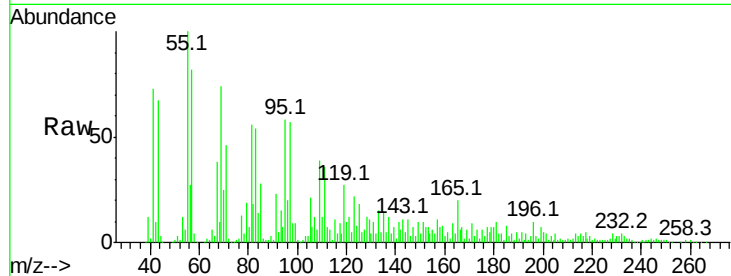
Delta R.T. -0.01 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:200 Resp: 15231
Ion Ratio Lower Upper
200 100
173 123.0 9.5 49.5#
215 80.1 23.8 63.8#



#70

Phenanthrene

Concen: 4.94 ng

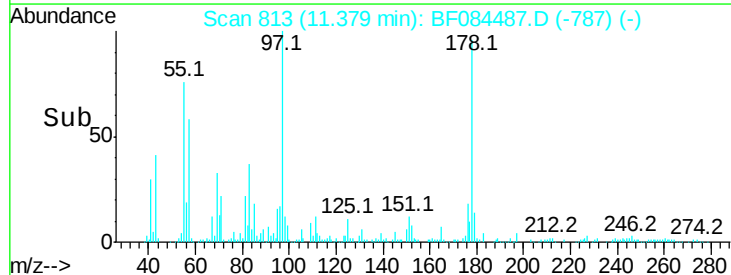
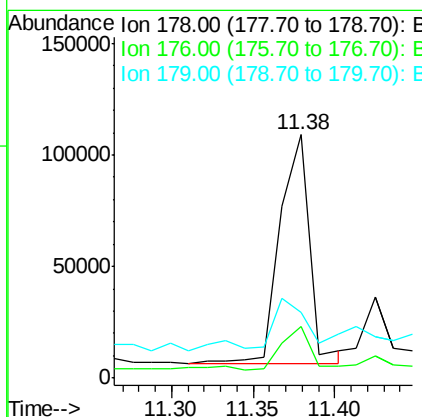
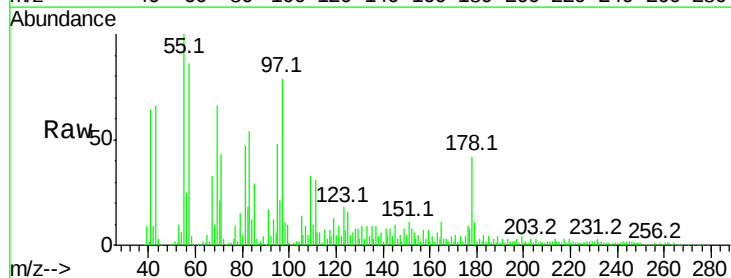
RT: 11.38 min Scan# 813

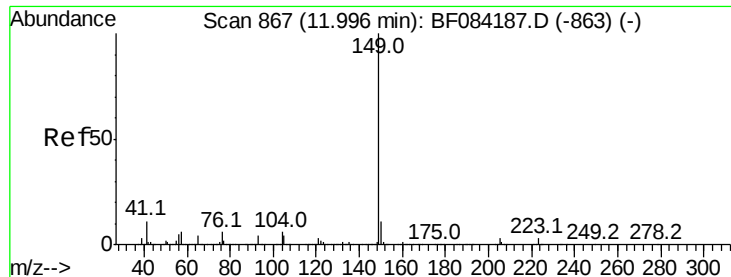
Delta R.T. -0.00 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Tgt Ion:178 Resp: 131278
Ion Ratio Lower Upper
178 100
176 21.3 15.3 22.9
179 26.8 12.0 18.0#





#73

Di-n-butylphthalate

Concen: 12.73 ng

RT: 11.93 min Scan# 861

Delta R.T. 0.01 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampleId :

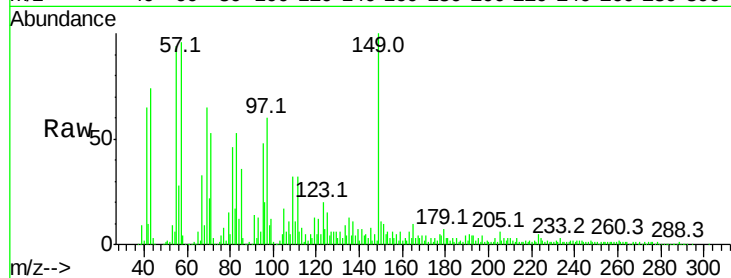
Tot Ion:149 Resp: 459181

Ion Ratio Lower Upper

149 100

150 11.4 7.1 10.7#

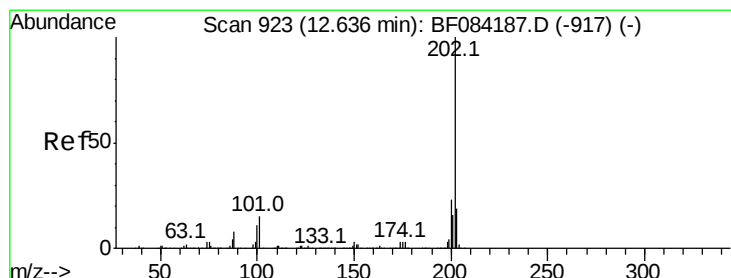
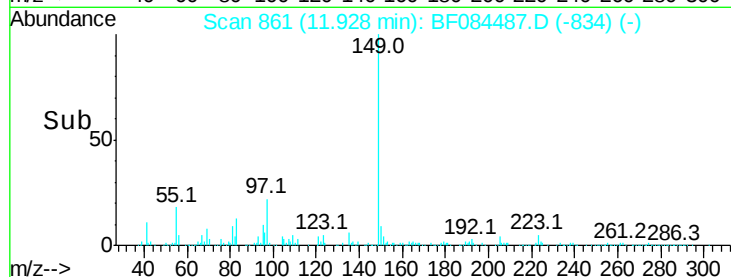
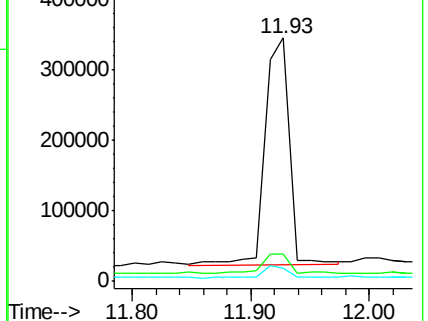
104 5.4 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 3.97 ng

RT: 12.57 min Scan# 917

Delta R.T. 0.01 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

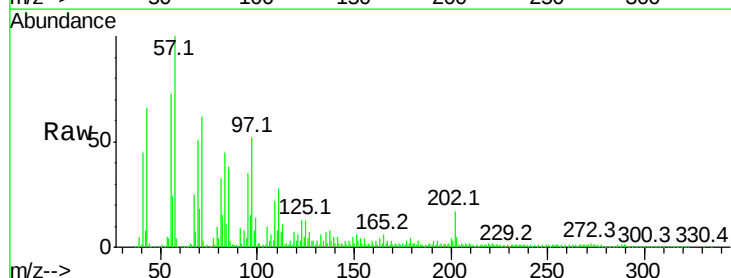
Tgt Ion:202 Resp: 110271

Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.8

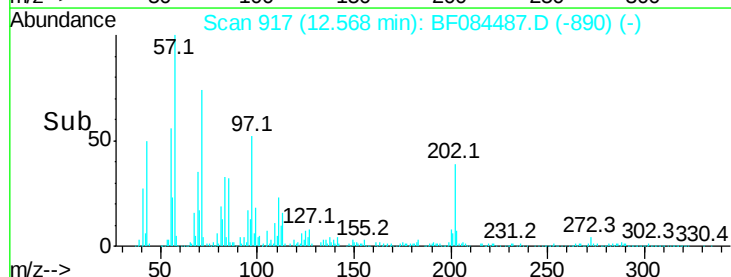
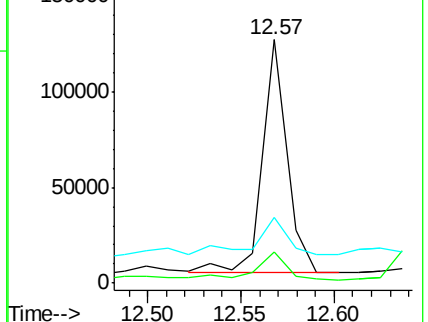
203 27.1 0.0 37.9

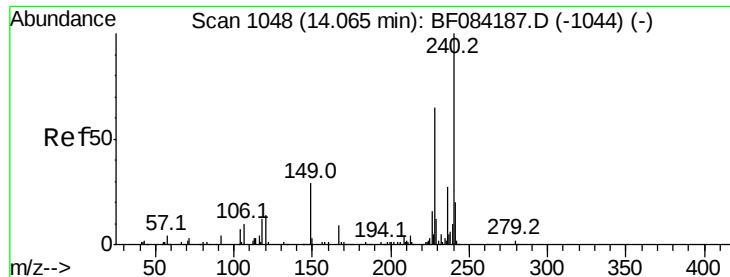


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.03 min Scan# 1045

Delta R.T. 0.05 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampleId :

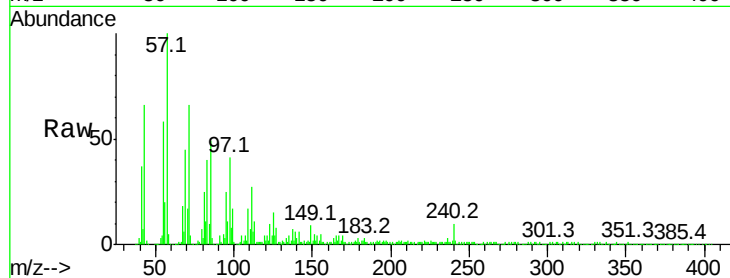
Tot Ion:240 Resp: 198769

Ion Ratio Lower Upper

240 100

120 21.6 9.5 14.3#

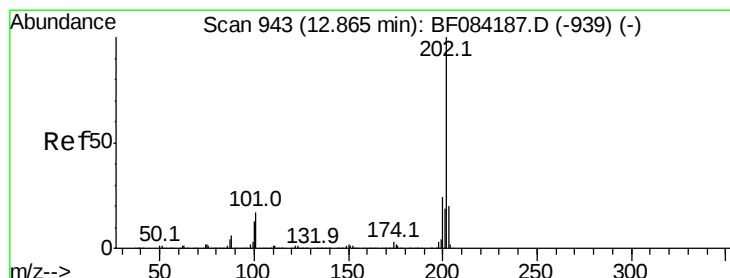
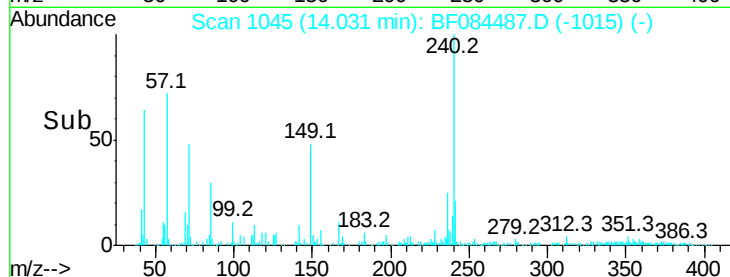
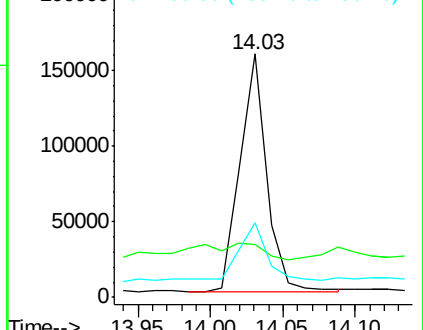
236 30.9 20.6 31.0



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: 8.20 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

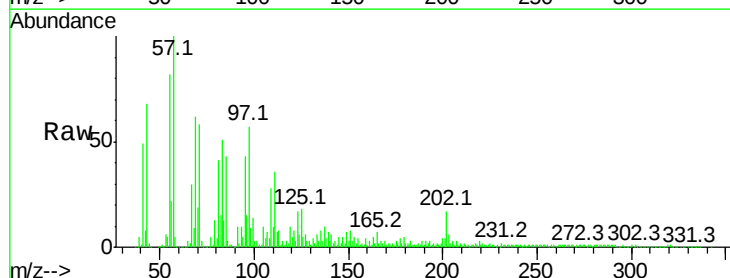
Tgt Ion:202 Resp: 127833

Ion Ratio Lower Upper

202 100

200 22.5 17.2 25.8

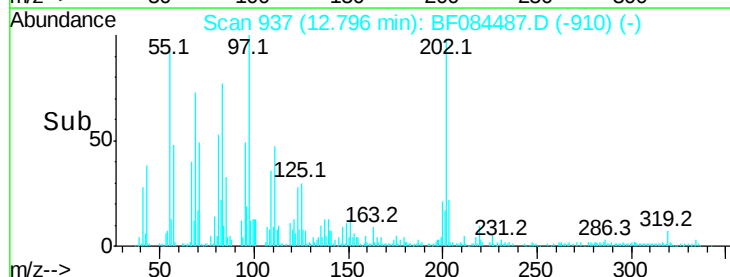
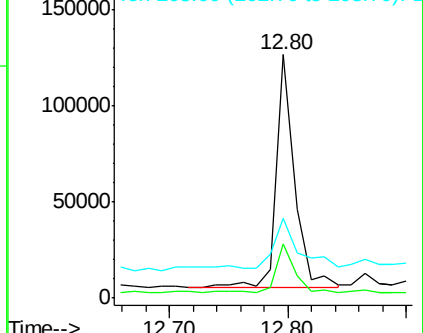
203 32.6 14.3 21.5#

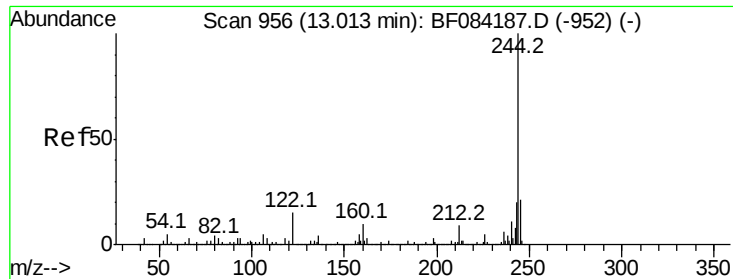


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 114.81 ng

RT: 12.96 min Scan# 951

Delta R.T. 0.02 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :
BNA_F
ClientSampleId :

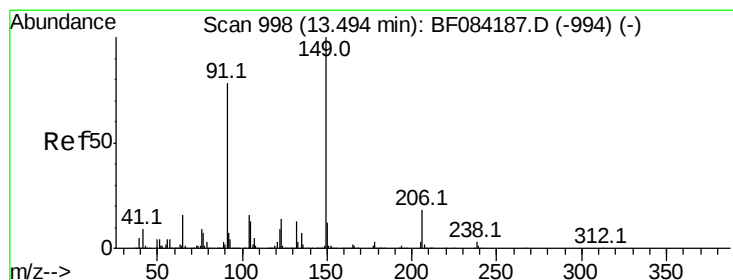
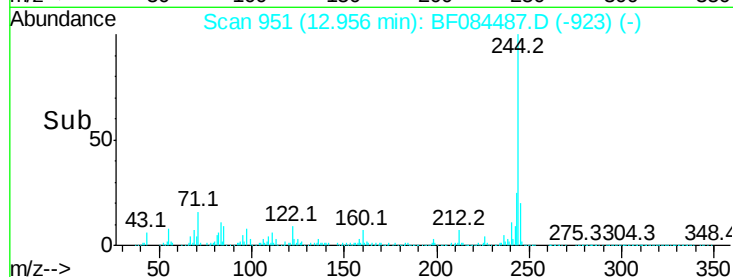
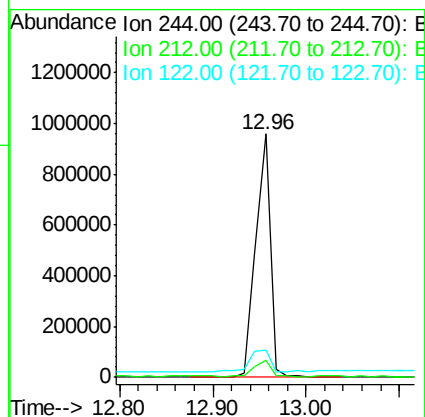
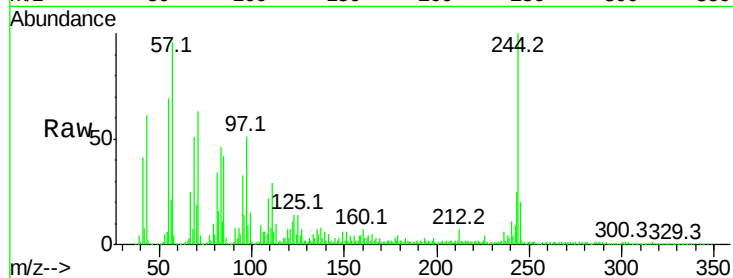
Tot Ion:244 Resp: 1022316

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 11.2 7.4 11.0#



#79

Butylbenzylphthalate

Concen: 3.34 ng

RT: 13.44 min Scan# 993

Delta R.T. 0.02 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

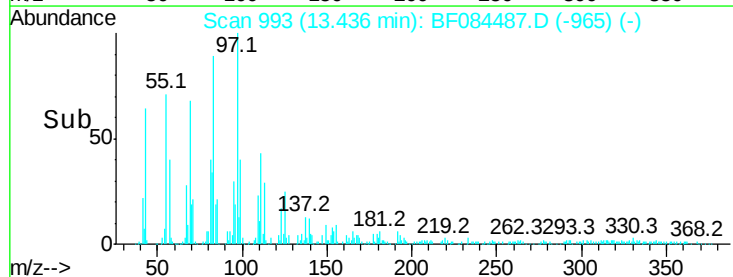
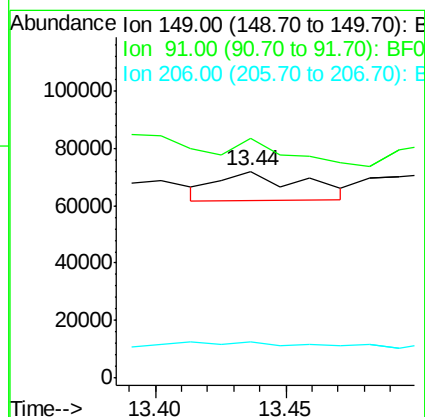
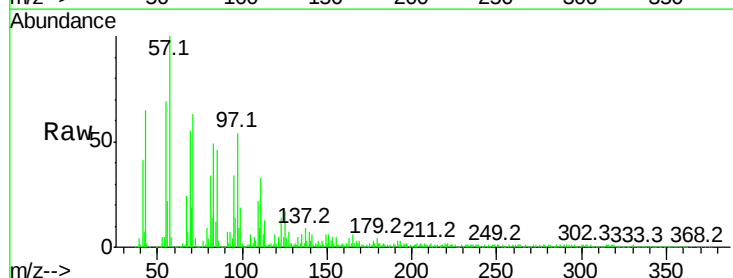
Tgt Ion:149 Resp: 22524

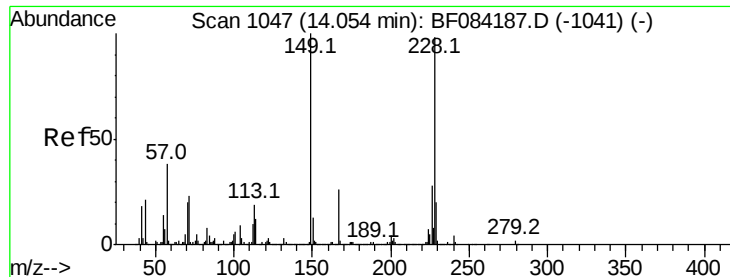
Ion Ratio Lower Upper

149 100

91 115.8 57.6 86.4#

206 17.5 13.2 19.8





#80

Benzo(a)anthracene

Concen: 3.26 ng

RT: 14.02 min Scan# 1044

Delta R.T. 0.05 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampleId :

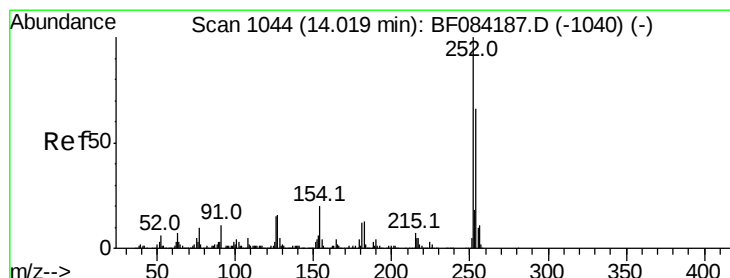
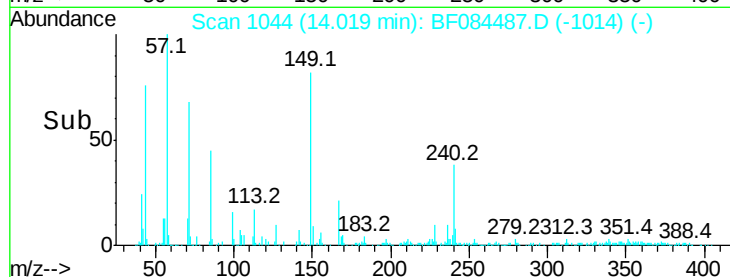
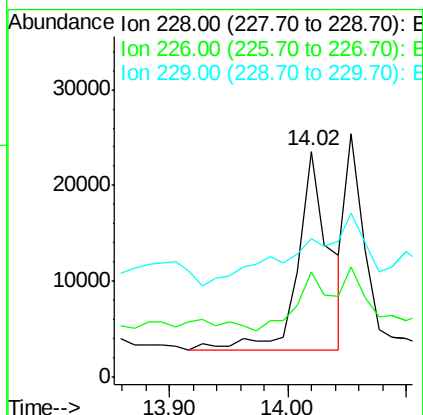
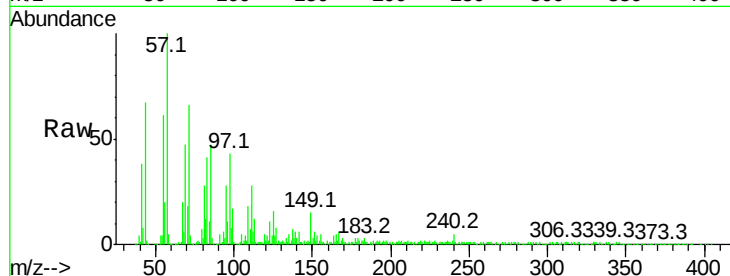
Tot Ion:228 Resp: 38034

Ion Ratio Lower Upper

228 100

226 46.4 21.8 32.6#

229 61.5 15.8 23.8#



#81

3,3'-Dichlorobenzidine

Concen: 4.30 ng

RT: 14.04 min Scan# 1046

Delta R.T. 0.09 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

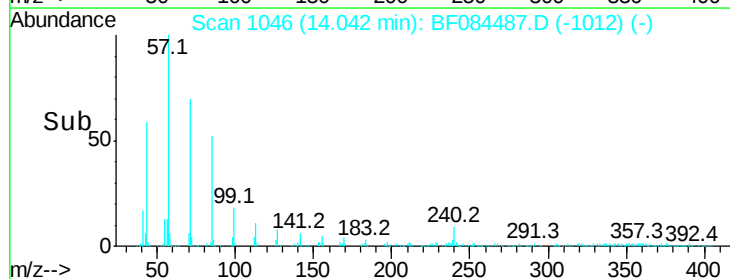
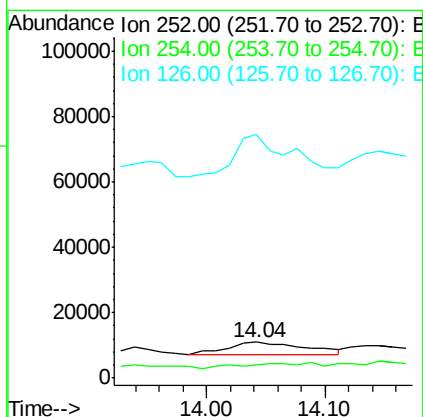
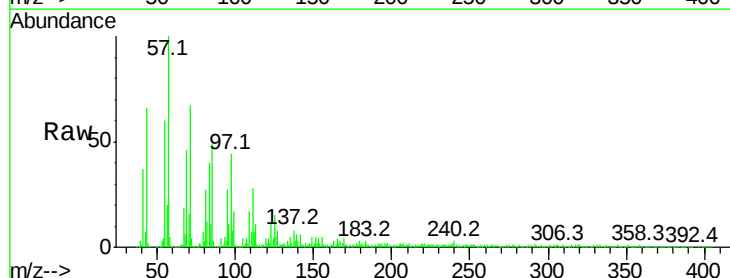
Tgt Ion:252 Resp: 17523

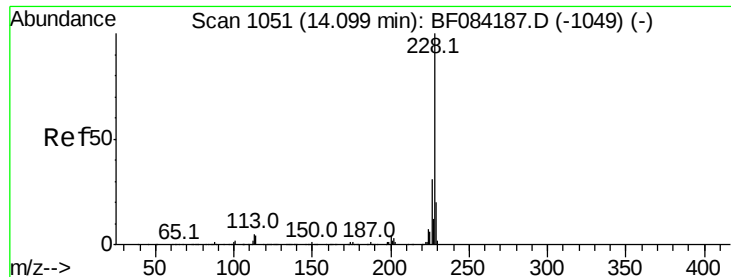
Ion Ratio Lower Upper

252 100

254 37.9 53.5 80.3#

126 675.9 4.9 7.3#





#82

Chrysene

Concen: 3.39 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampleId :

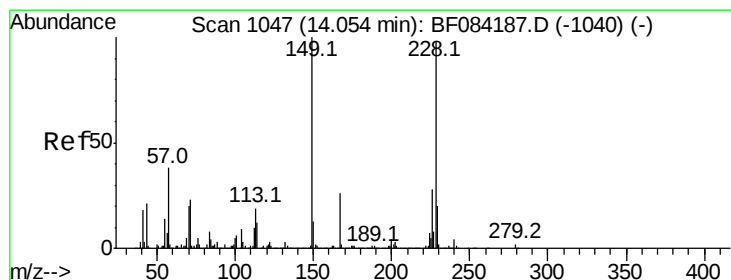
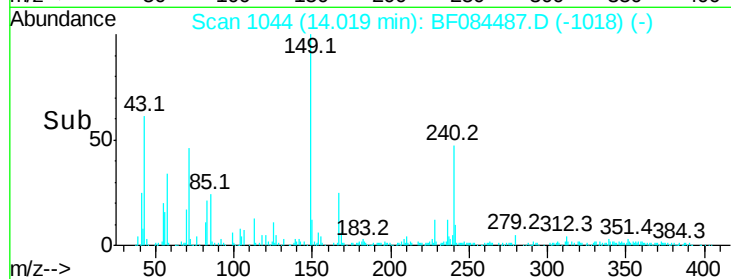
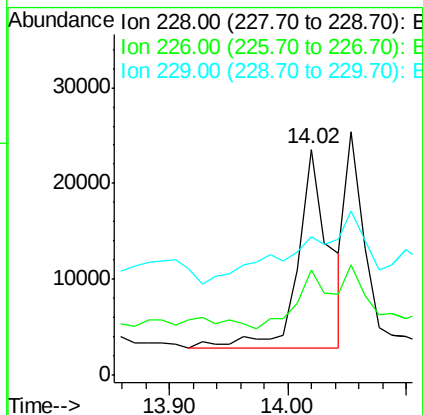
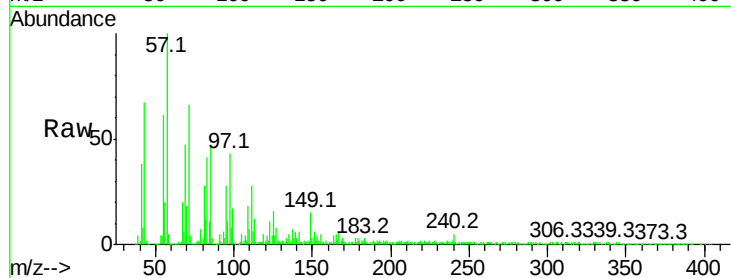
Tot Ion:228 Resp: 38034

Ion Ratio Lower Upper

228 100

226 46.4 24.3 36.5#

229 61.5 16.1 24.1#



#83

Bis(2-ethylhexyl)phthalate

Concen: 26.03 ng

RT: 14.02 min Scan# 1044

Delta R.T. 0.05 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

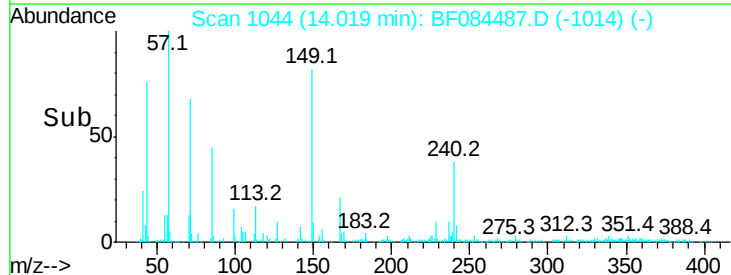
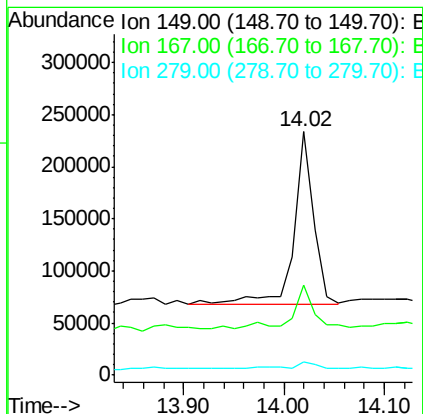
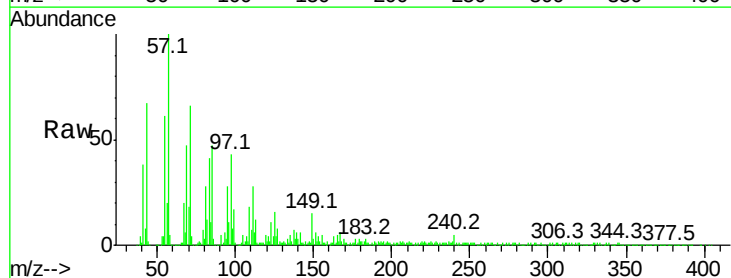
Tgt Ion:149 Resp: 221967

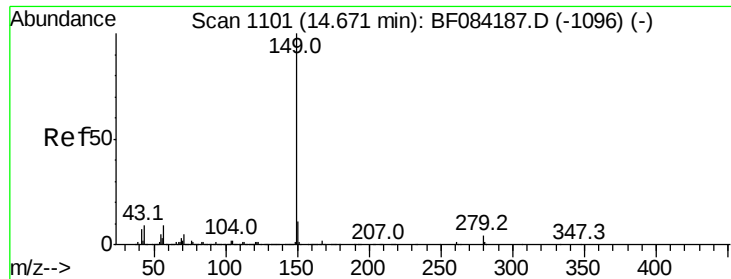
Ion Ratio Lower Upper

149 100

167 36.7 19.7 29.5#

279 5.5 1.8 2.6#





#84

Di-n-octyl phthalate

Concen: 2.99 ng

RT: 14.65 min Scan# 1099

Delta R.T. 0.06 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampleId :

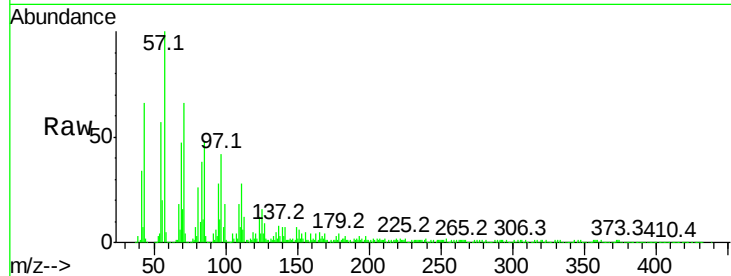
Tot Ion:149 Resp: 43095

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

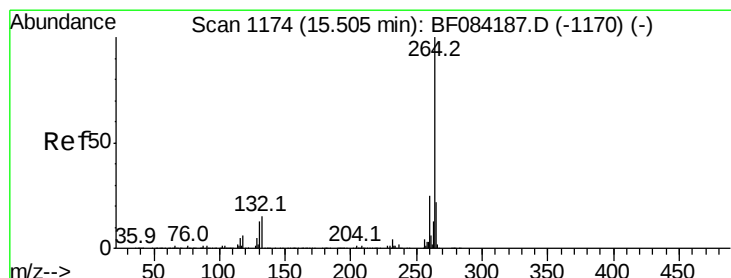
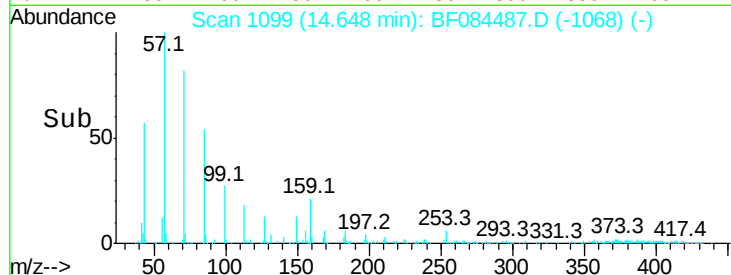
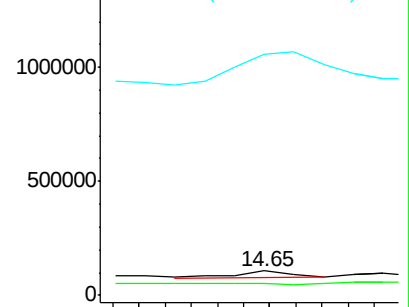
43 878.7 5.6 8.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.52 min Scan# 1175

Delta R.T. 0.11 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

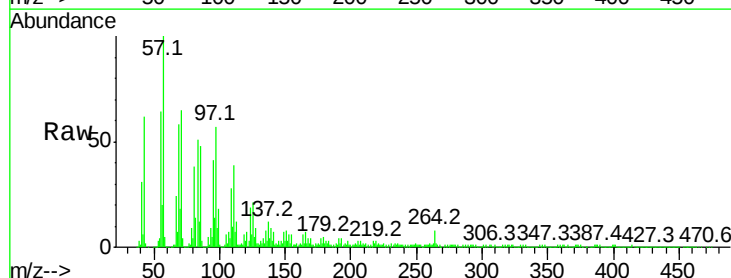
Tgt Ion:264 Resp: 179245

Ion Ratio Lower Upper

264 100

260 26.4 19.4 29.2

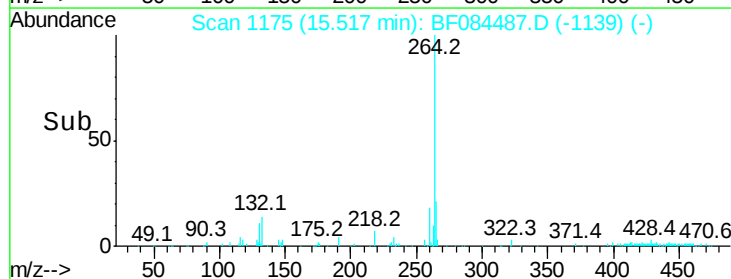
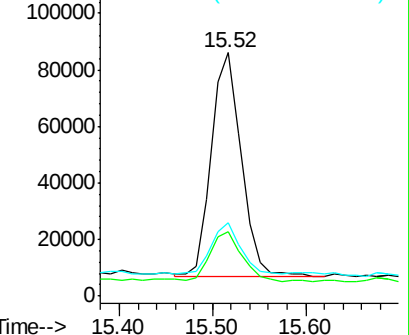
265 29.9 17.8 26.6#

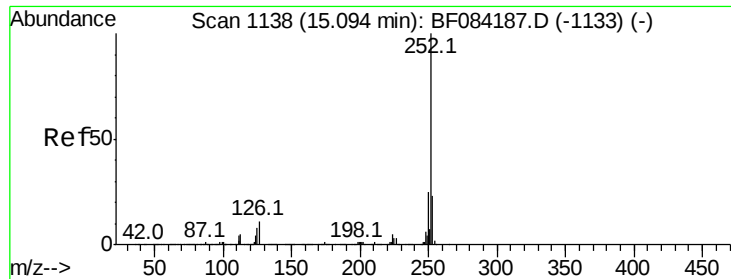


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.30 ng

RT: 15.09 min Scan# 1138

Delta R.T. 0.09 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampleId :

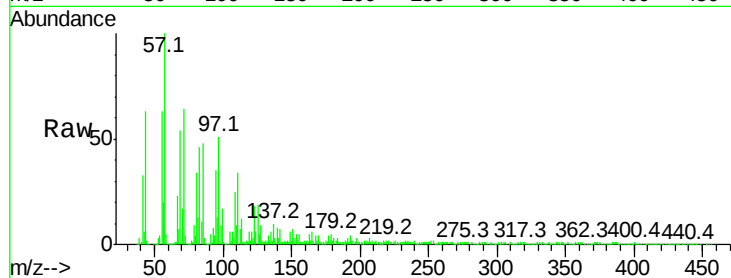
Tot Ion:252 Resp: 38676

Ion Ratio Lower Upper

252 100

253 109.4 17.3 25.9#

125 1116.7 6.5 9.7#



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

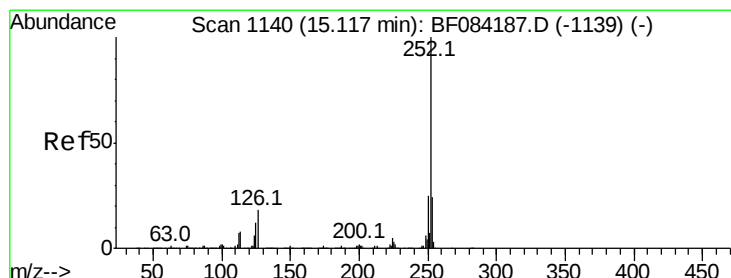
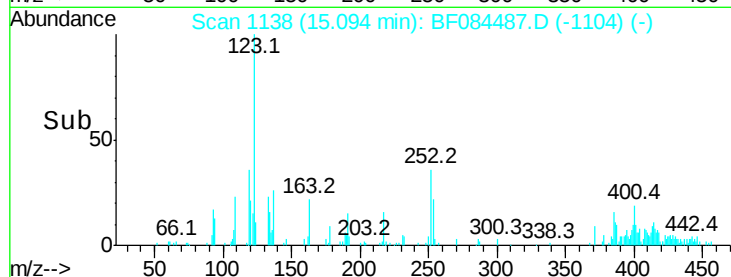
300000

200000

100000

0

Time-->



#88

Benzo(k)fluoranthene

Concen: 4.11 ng

RT: 15.09 min Scan# 1138

Delta R.T. 0.07 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

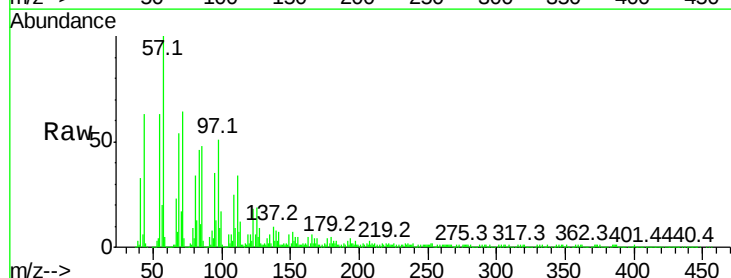
Tgt Ion:252 Resp: 39372

Ion Ratio Lower Upper

252 100

253 109.4 18.1 27.1#

125 1116.7 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

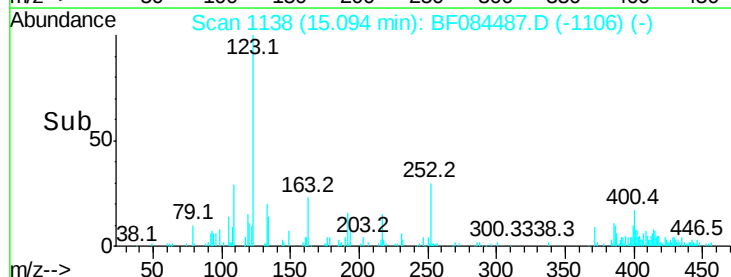
300000

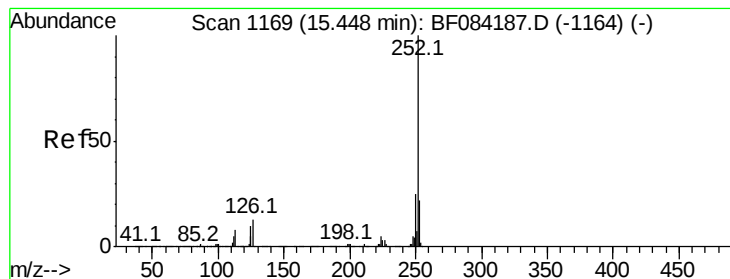
200000

100000

0

Time-->





#89

Benzo(a)pyrene

Concen: 2.24 ng

RT: 15.45 min Scan# 1169

Delta R.T. 0.10 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

Instrument :

BNA_F

ClientSampleId :

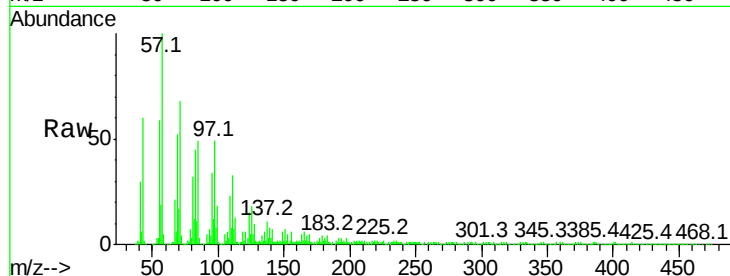
Tot Ion:252 Resp: 22309

Ion Ratio Lower Upper

252 100

253 109.4 17.3 25.9#

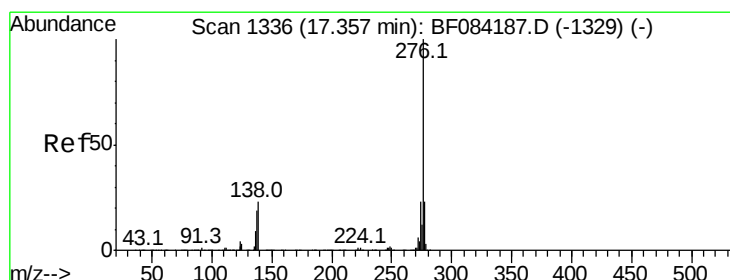
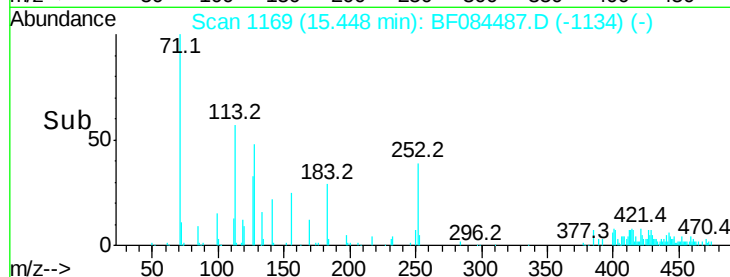
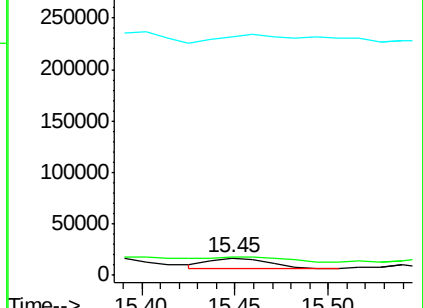
125 1402.1 7.0 10.4#



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: 3.30 ng

RT: 17.38 min Scan# 1338

Delta R.T. 0.17 min

Lab File: BF084487.D

Acq: 15 Jan 2016 11:36

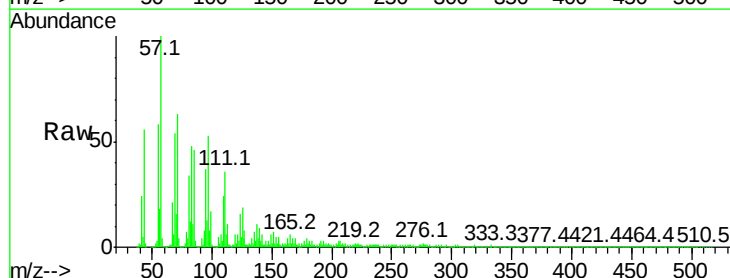
Tgt Ion:276 Resp: 29252

Ion Ratio Lower Upper

276 100

277 69.1 18.8 28.2#

138 215.5 17.8 26.6#



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

