

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
 Data File : BF081795.D
 Acq On : 25 Sep 2015 8:39
 Operator : UM/IZ
 Sample : G3753-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Quant Time: Sep 25 11:22:22 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	146203	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	591114	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	254026	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	413238	20.00	ng	0.00
75) Chrysene-d12	14.12	240	322570	20.00	ng	0.00
86) Perylene-d12	15.59	264	309950	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	936490	108.36	ng	0.01
7) Phenol-d6	6.57	99	1113420	101.86	ng	0.00
23) Nitrobenzene-d5	7.52	82	820824	91.62	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	263727	119.58	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1262565	81.59	ng	0.00
78) Terphenyl-d14	13.06	244	985888	69.82	ng	0.00

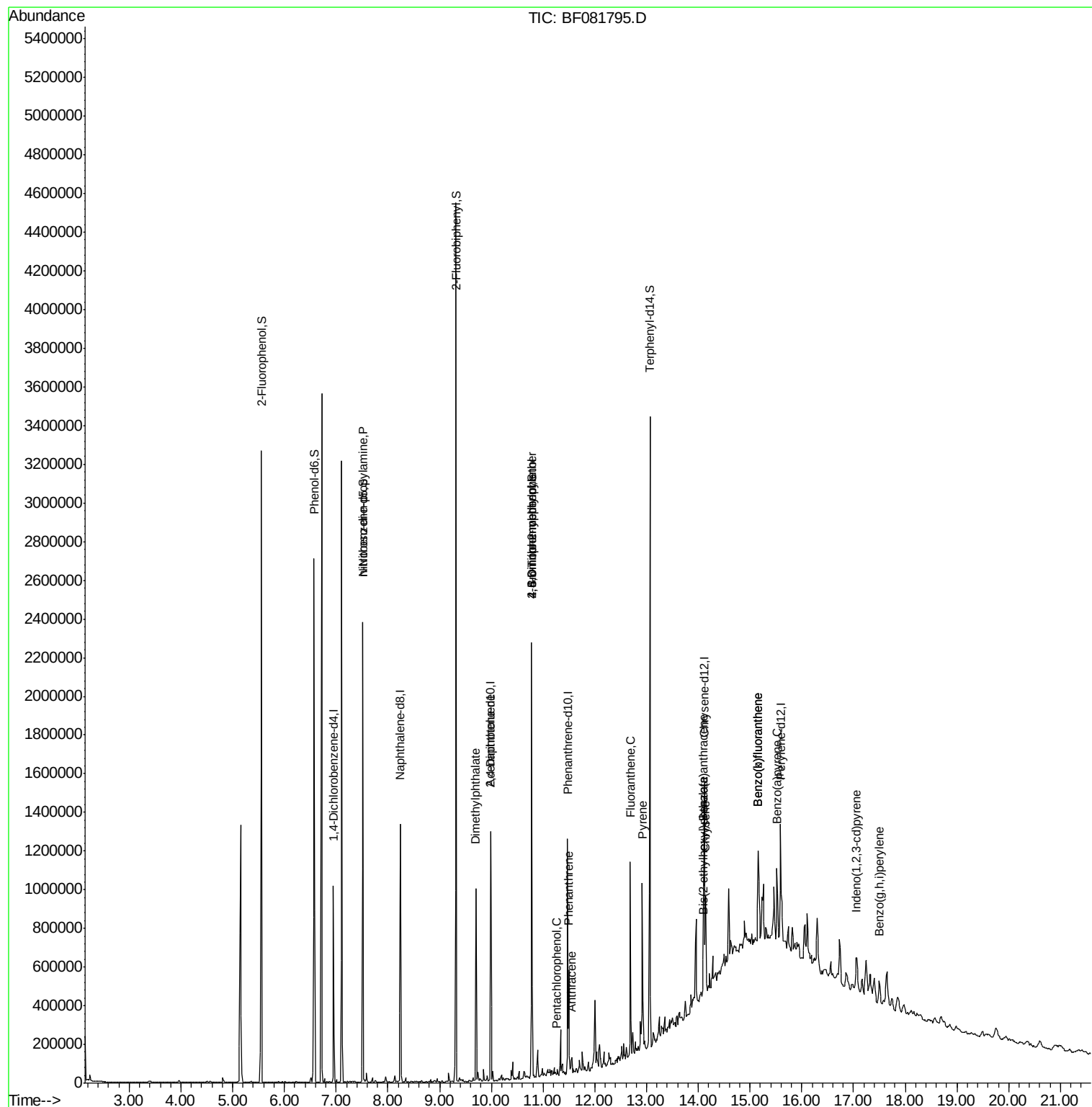
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	114058	15.65	ng	# 59
49) Dimethylphthalate	9.70	163	375781	19.44	ng	# 97
56) 2,4-Dinitrotoluene	9.99	165	33319	7.46	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.78	198	469	8.19	ng	# 1
66) 4-Bromophenyl-phenylether	10.78	248	17442	3.79	ng	# 1
69) Pentachlorophenol	11.27	266	599	5.85	ng	# 85
70) Phenanthrene	11.50	178	187361	7.93	ng	98
71) Anthracene	11.55	178	47769	2.10	ng	98
74) Fluoranthene	12.69	202	380873	16.00	ng	93
77) Pyrene	12.91	202	358157	14.73	ng	96
80) Benzo(a)anthracene	14.10	228	241545	12.35	ng	# 91
82) Chrysene	14.14	228	171067	9.12	ng	92
83) Bis(2-ethylhexyl)phthalate	14.09	149	33407	2.84	ng	94
85) Indeno(1,2,3-cd)pyrene	17.05	276	106498	6.20	ng	# 82
87) Benzo(b)fluoranthene	15.16	252	348585	18.97	ng	# 87
88) Benzo(k)fluoranthene	15.16	252	348585	19.69	ng	# 88
89) Benzo(a)pyrene	15.52	252	184382	11.11	ng	# 88
91) Benzo(g,h,i)perylene	17.50	276	100977	5.66	ng	# 78

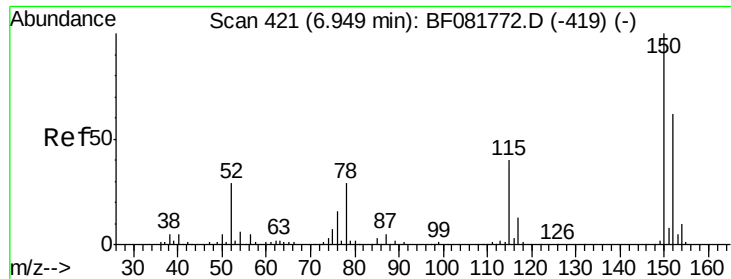
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

ClientSampleId :

SP-2

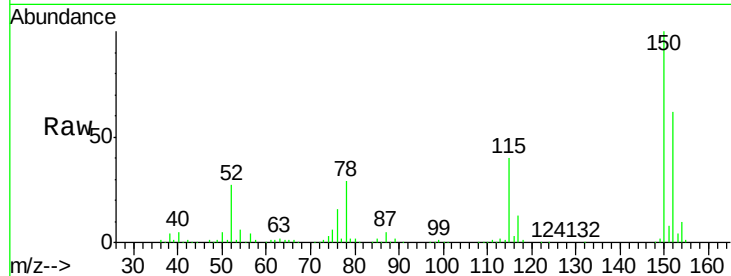
Tgt Ion:152 Resp: 146203

Ion Ratio Lower Upper

152 100

150 161.3 124.7 187.1

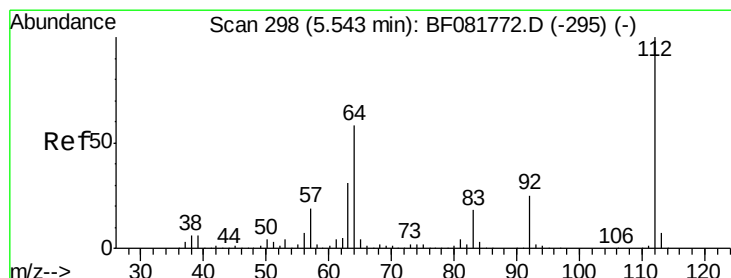
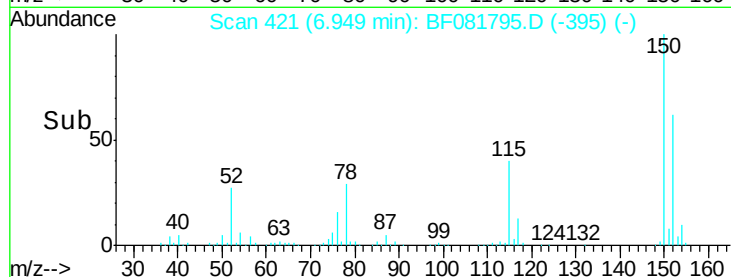
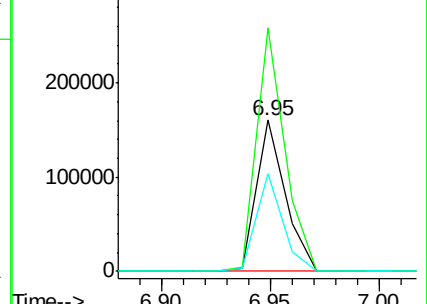
115 64.6 39.0 58.4#



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: 108.36 ng

RT: 5.55 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

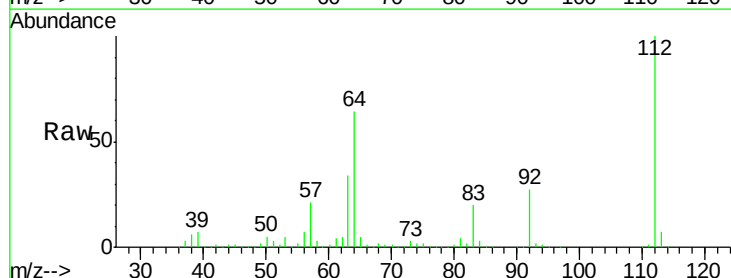
Tgt Ion:112 Resp: 936490

Ion Ratio Lower Upper

112 100

64 63.9 39.7 59.5#

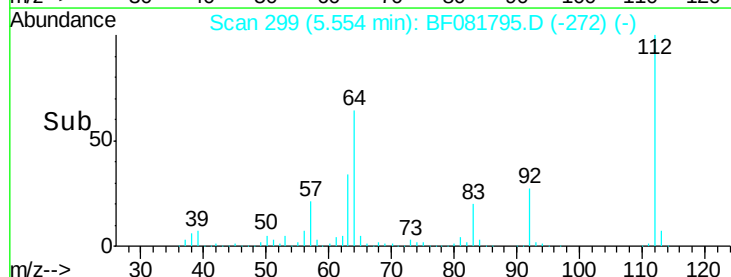
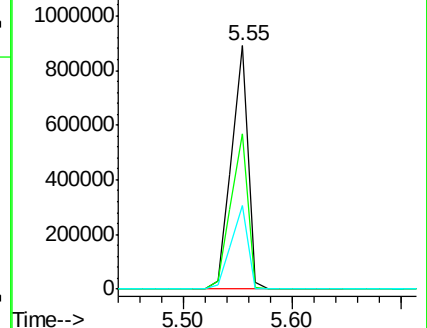
63 34.4 17.4 26.0#

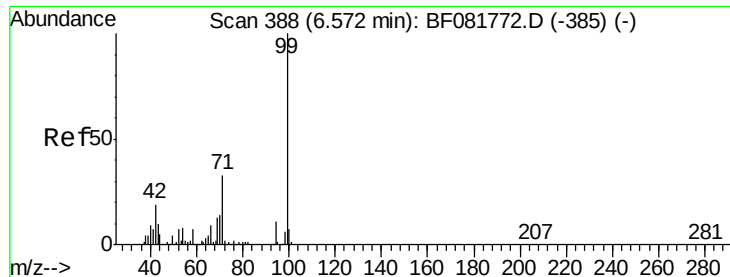


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.86 ng

RT: 6.57 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

ClientSampleId :

SP-2

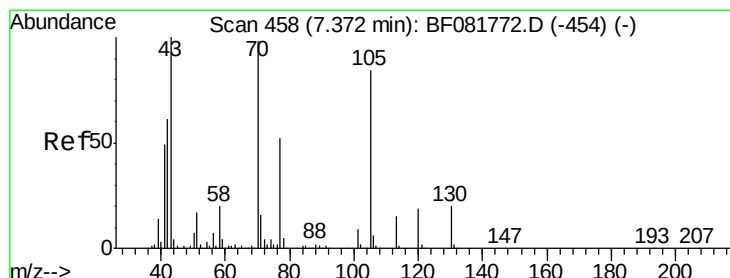
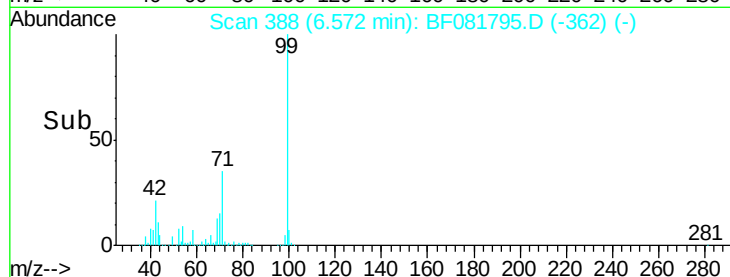
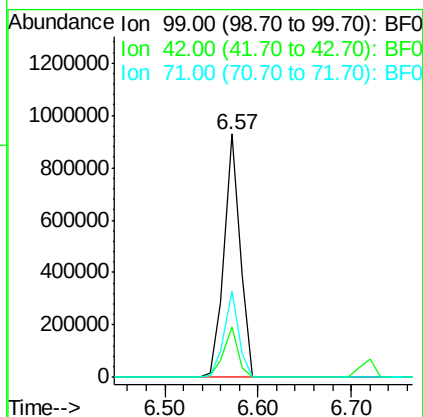
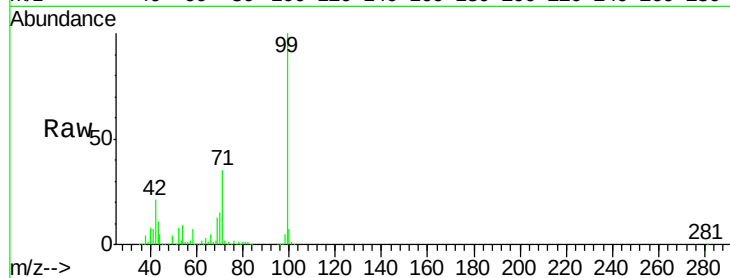
Tgt Ion: 99 Resp: 1113420

Ion Ratio Lower Upper

99 100

42 20.7 13.7 20.5#

71 35.3 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 15.65 ng

RT: 7.52 min Scan# 471

Delta R.T. 0.15 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Tgt Ion: 70 Resp: 114058

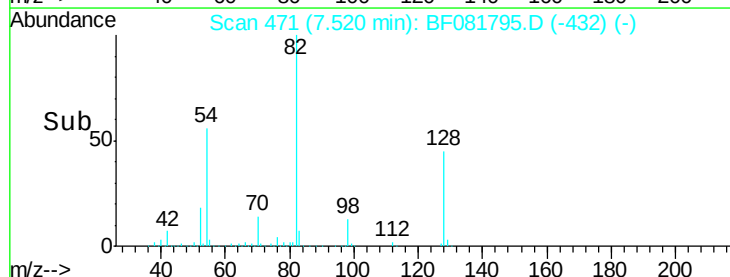
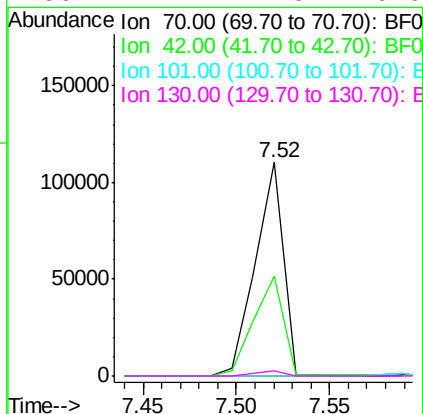
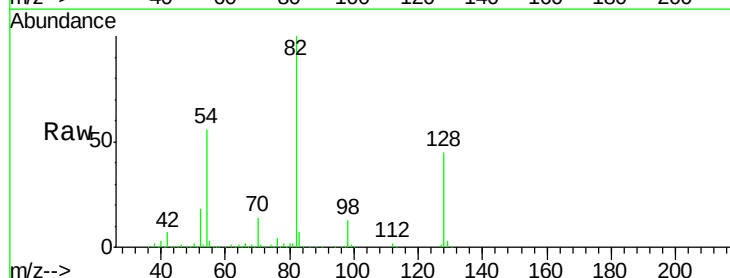
Ion Ratio Lower Upper

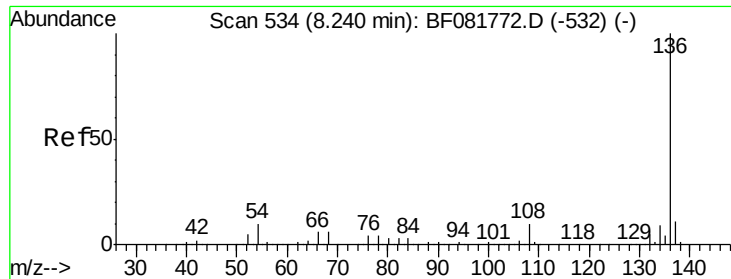
70 100

42 47.0 63.8 95.6#

101 0.0 9.2 13.8#

130 2.4 27.3 40.9#

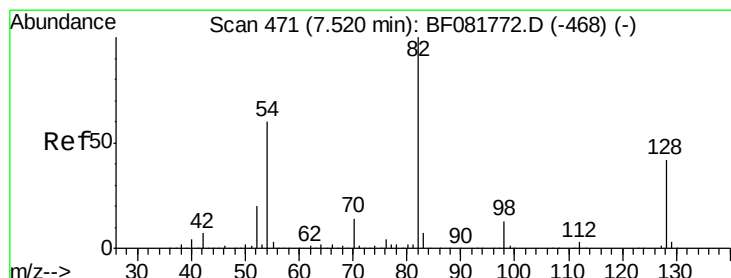
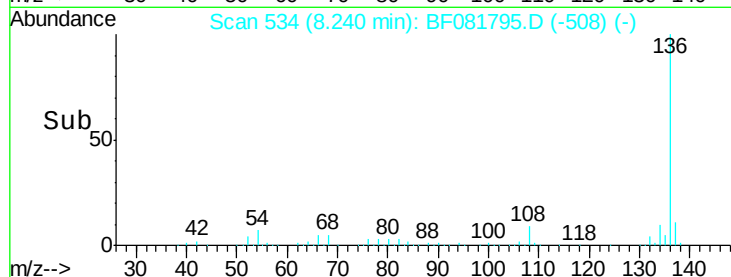
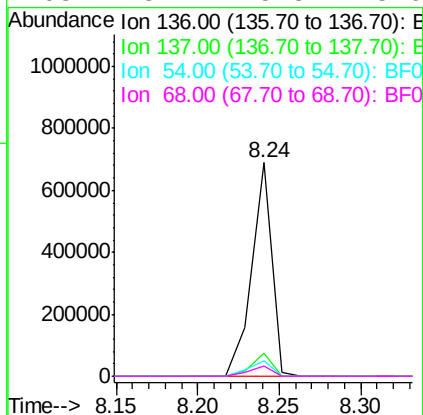
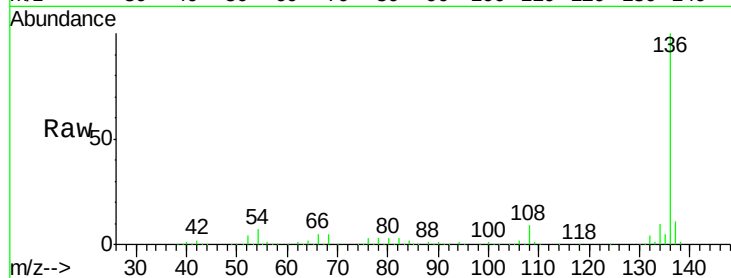




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

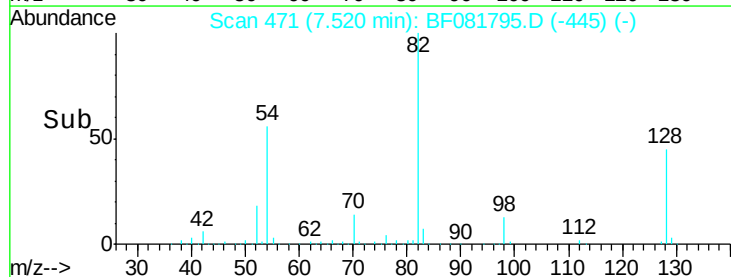
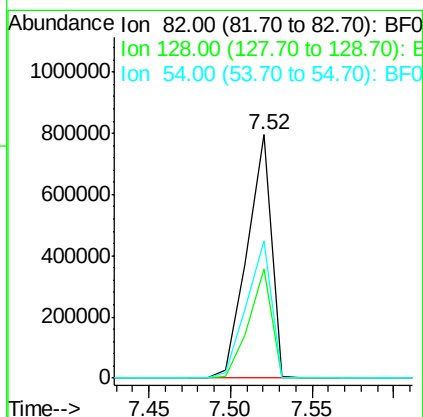
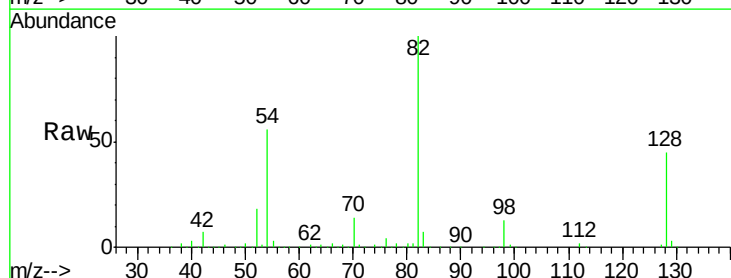
Instrument :
BNA_F
ClientSampleId :
SP-2

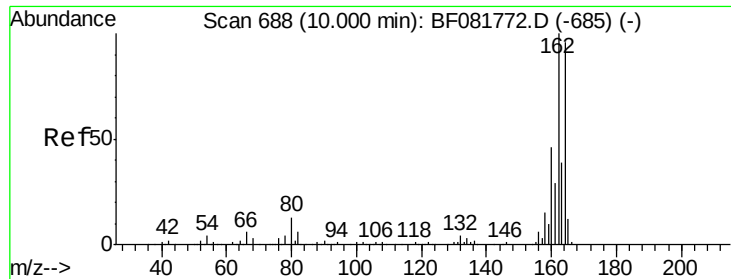
Tgt Ion:	136	Resp:	591114
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.4	8.2	12.2#
68	5.1	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 91.62 ng
RT: 7.52 min Scan# 471
Delta R.T. -0.00 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

Tgt Ion:	82	Resp:	820824
Ion	Ratio	Lower	Upper
82	100		
128	45.1	51.0	76.6#
54	56.3	47.5	71.3

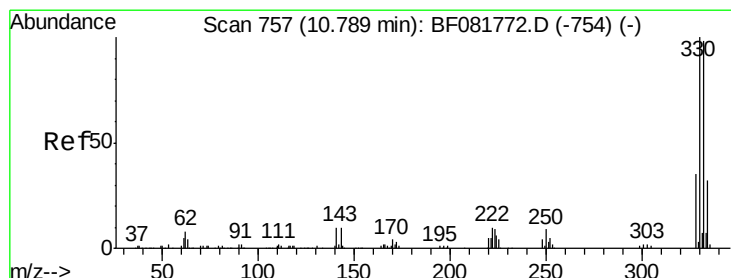
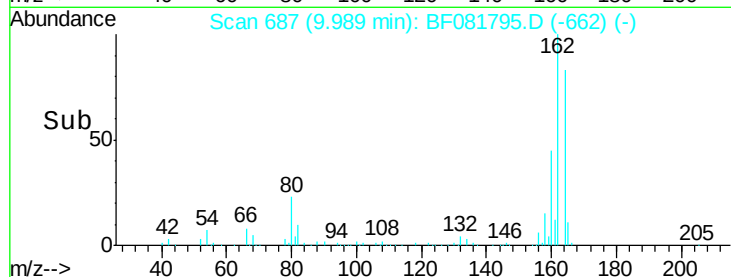
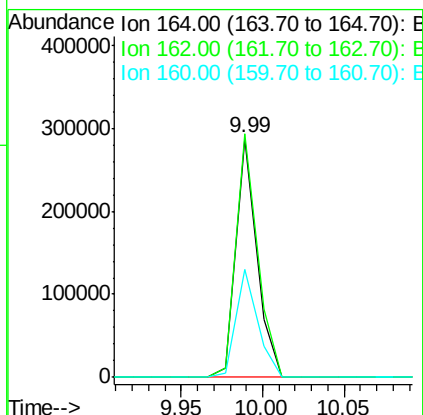
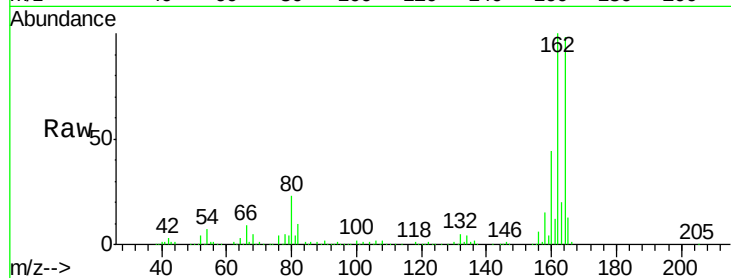




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.99 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

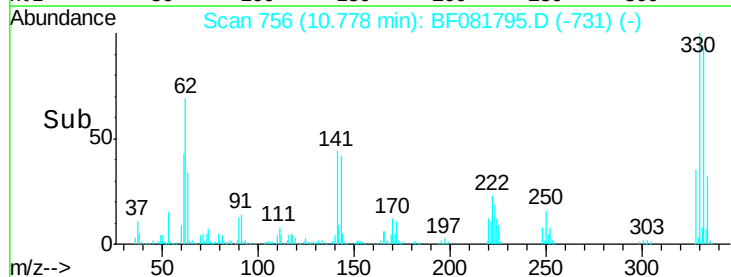
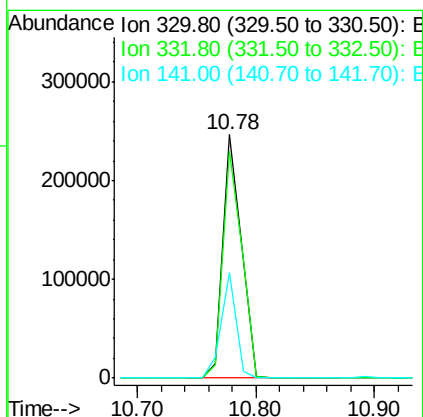
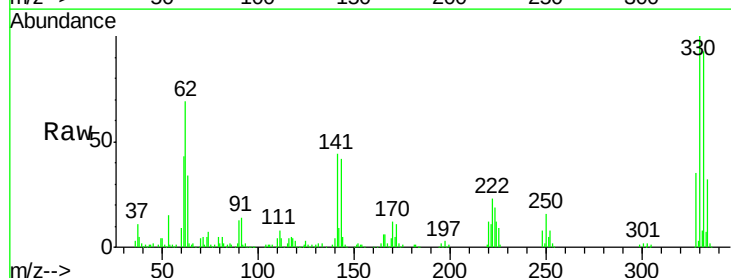
Instrument :
 BNA_F
 ClientSampleId :
 SP-2

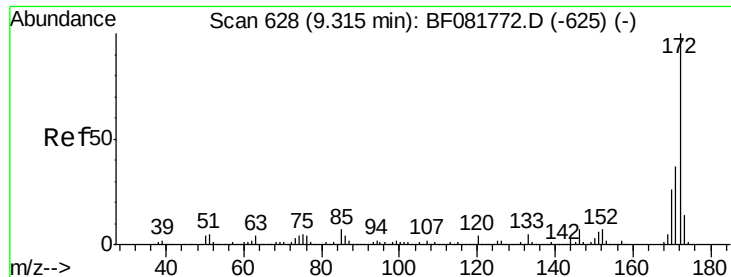
Tgt Ion:164 Resp: 254026
 Ion Ratio Lower Upper
 164 100
 162 101.9 75.2 112.8
 160 45.1 31.5 47.3



#41
 2,4,6-Tribromophenol
 Concen: 119.58 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

Tgt Ion:330 Resp: 263727
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 114.8
 141 35.6 29.7 44.5

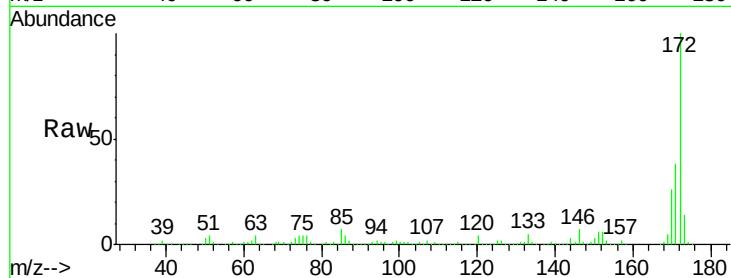




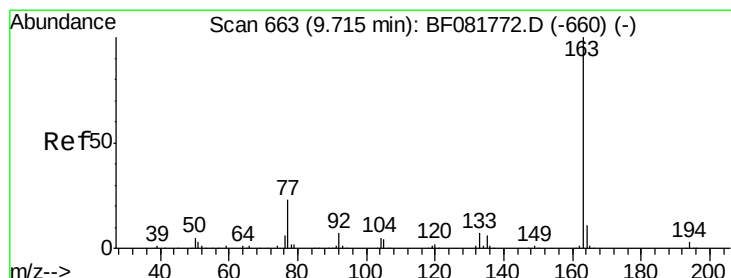
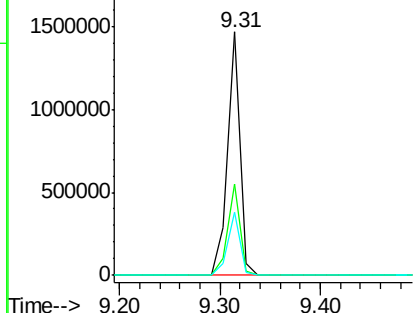
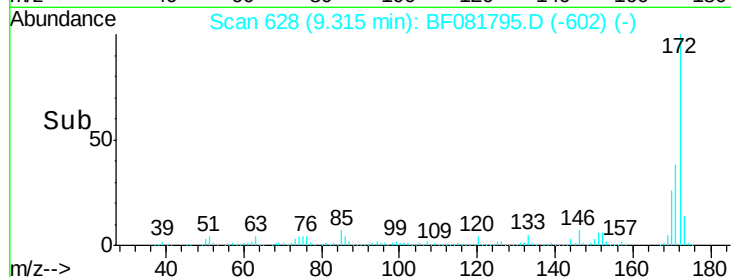
#44
 2-Fluorobiphenyl
 Concen: 81.59 ng
 RT: 9.31 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion:172 Resp: 1262565
 Ion Ratio Lower Upper
 172 100
 171 37.6 26.1 39.1
 170 26.0 17.4 26.2

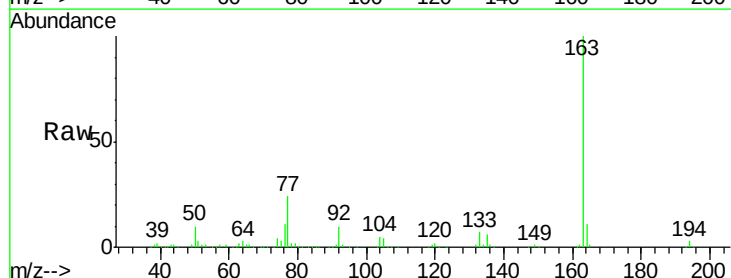


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

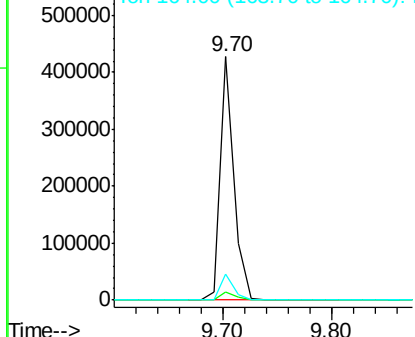
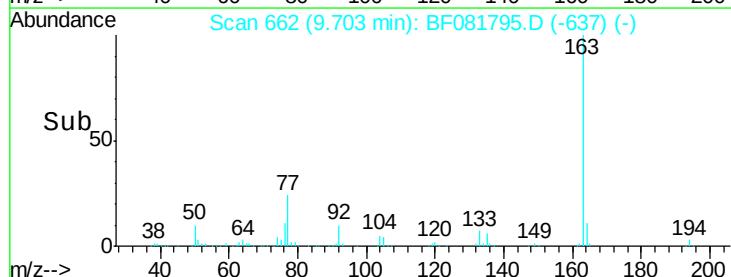


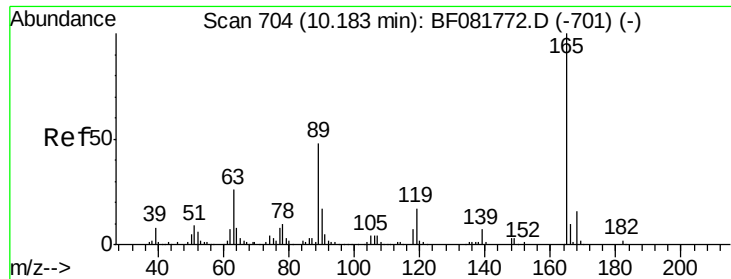
#49
 Dimethylphthalate
 Concen: 19.44 ng
 RT: 9.70 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

Tgt Ion:163 Resp: 375781
 Ion Ratio Lower Upper
 163 100
 194 3.1 4.4 6.6#
 164 10.7 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
 500000
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

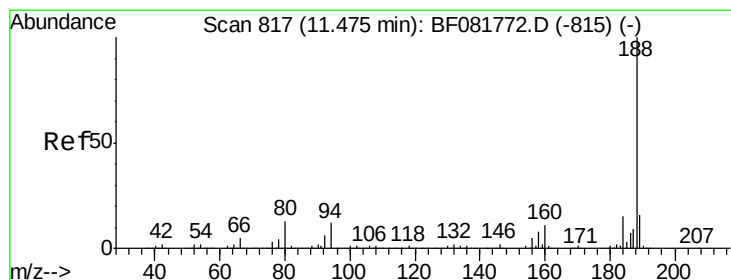
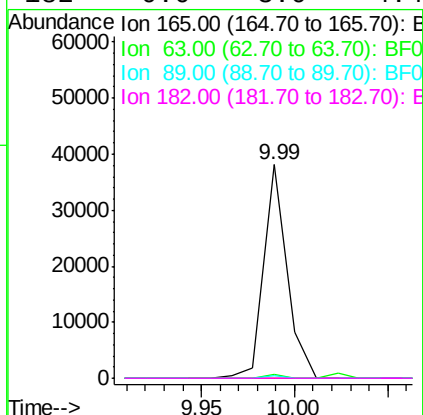
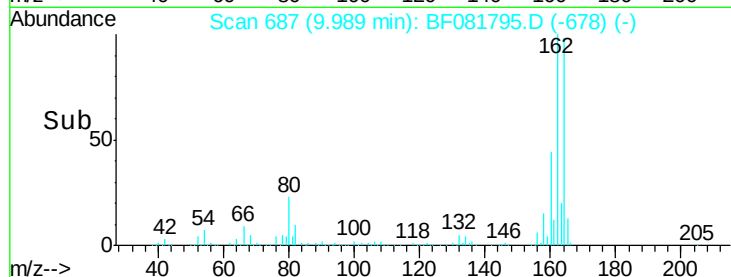
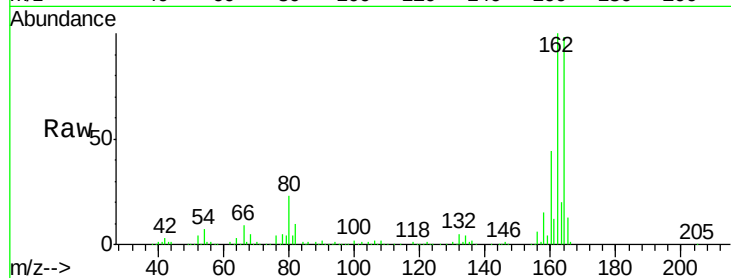




#56
 2,4-Dinitrotoluene
 Concen: 7.46 ng
 RT: 9.99 min Scan# 687
 Delta R.T. -0.19 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

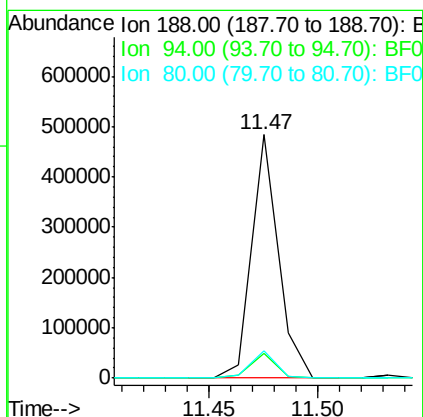
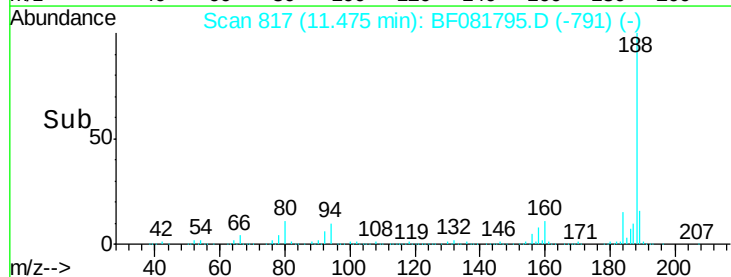
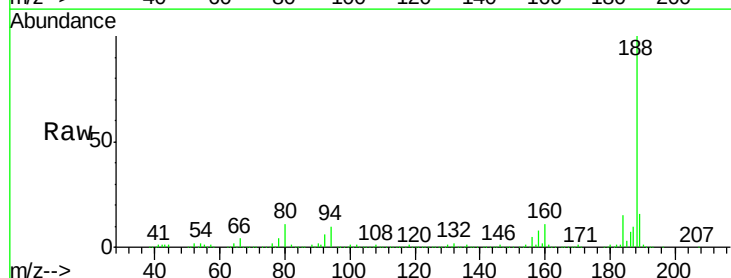
Instrument :
 BNA_F
 ClientSampleId :
 SP-2

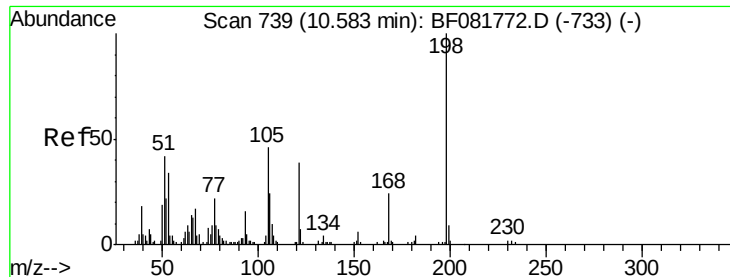
Tgt Ion:	165	Resp:	33319
Ion	Ratio	Lower	Upper
165	100		
63	1.6	29.8	44.6#
89	1.2	44.5	66.7#
182	0.0	3.0	4.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.47 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

Tgt Ion:	188	Resp:	413238
Ion	Ratio	Lower	Upper
188	100		
94	10.2	11.1	16.7#
80	11.0	11.0	16.4





#64

4,6-Dinitro-2-methylphenol

Concen: 8.19 ng

RT: 10.78 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

ClientSampled :

SP-2

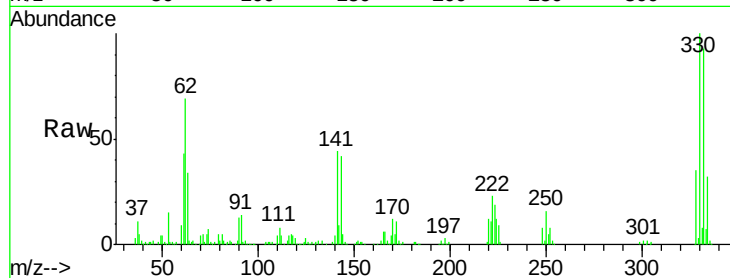
Tgt Ion:198 Resp: 469

Ion Ratio Lower Upper

198 100

51 238.2 39.6 79.6#

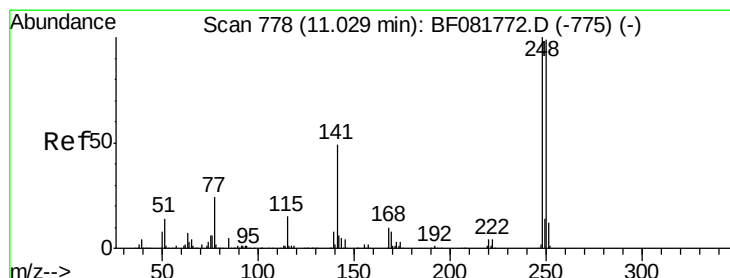
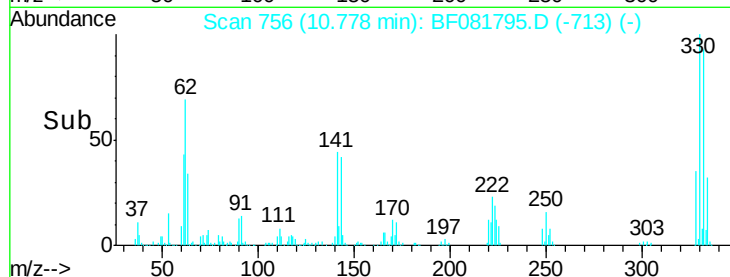
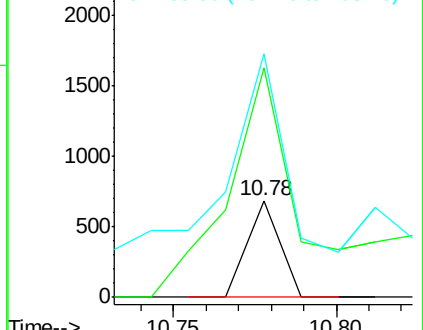
105 252.0 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.79 ng

RT: 10.78 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

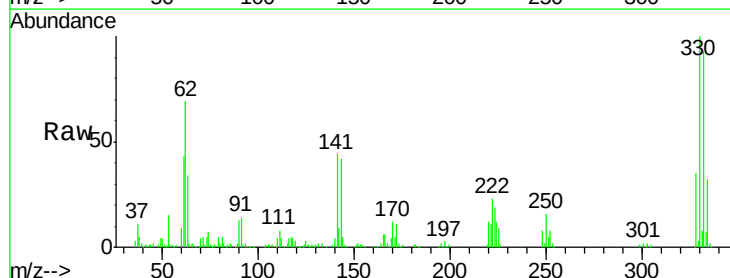
Tgt Ion:248 Resp: 17442

Ion Ratio Lower Upper

248 100

250 199.7 78.5 117.7#

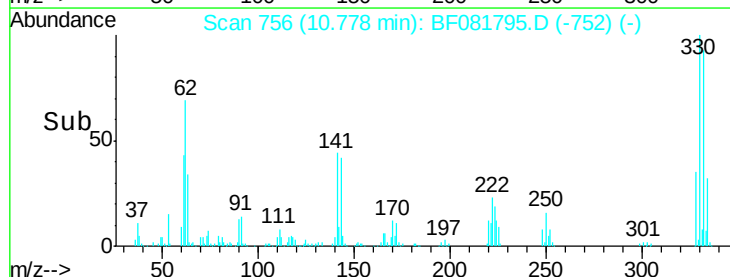
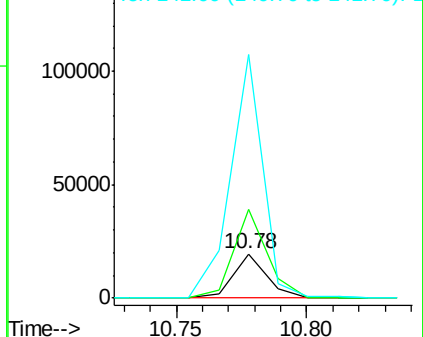
141 550.3 59.0 88.6#

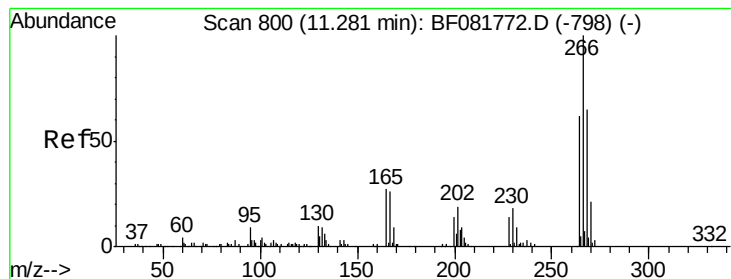


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Pentachlorophenol

Concen: 5.85 ng

RT: 11.27 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

ClientSampleId :

SP-2

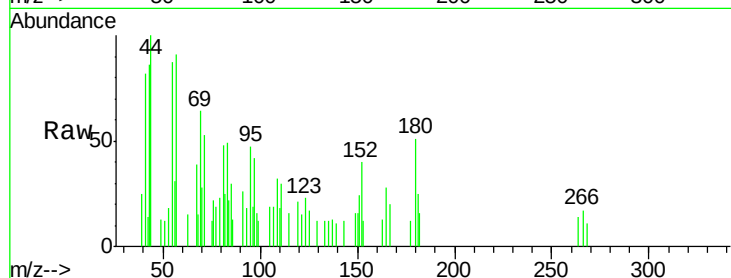
Tgt Ion:266 Resp: 599

Ion Ratio Lower Upper

266 100

268 66.8 49.8 74.6

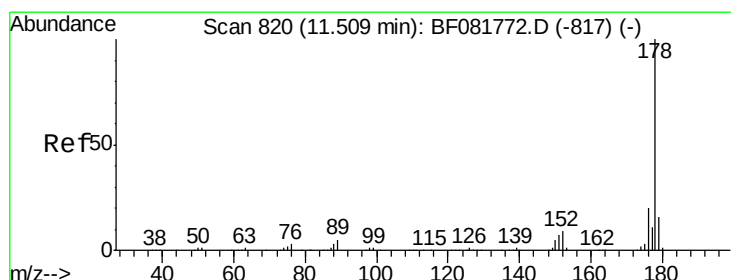
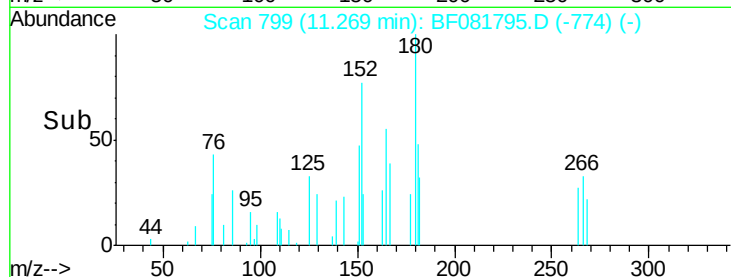
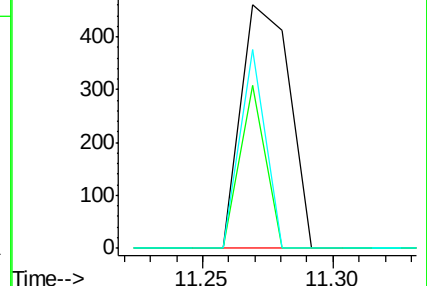
264 81.8 50.2 75.2#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 7.93 ng

RT: 11.50 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

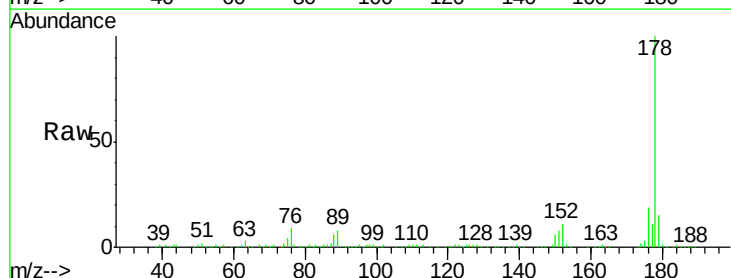
Tgt Ion:178 Resp: 187361

Ion Ratio Lower Upper

178 100

176 19.1 13.8 20.8

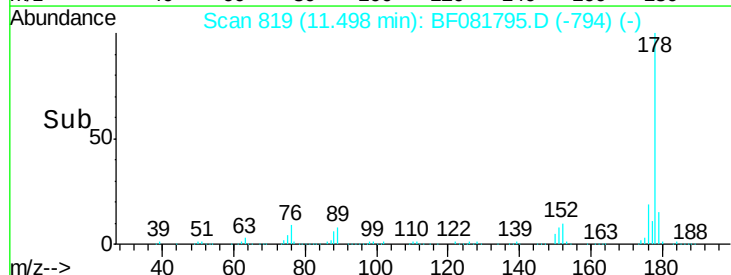
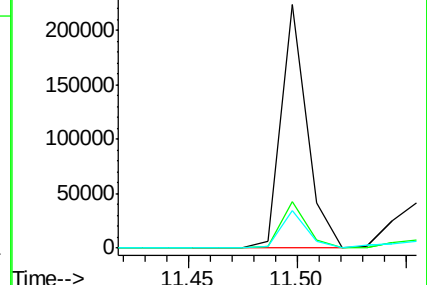
179 15.4 12.2 18.2

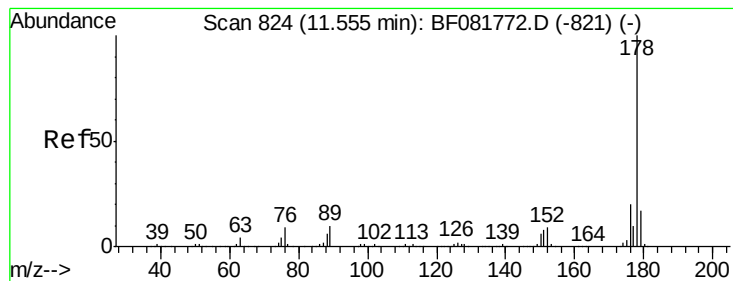


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.10 ng

RT: 11.55 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

ClientSampleId :

SP-2

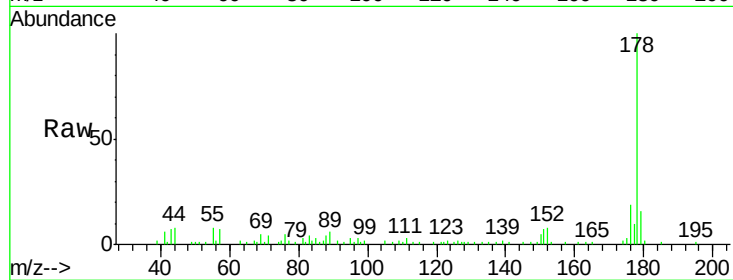
Tgt Ion:178 Resp: 47769

Ion Ratio Lower Upper

178 100

176 18.5 14.1 21.1

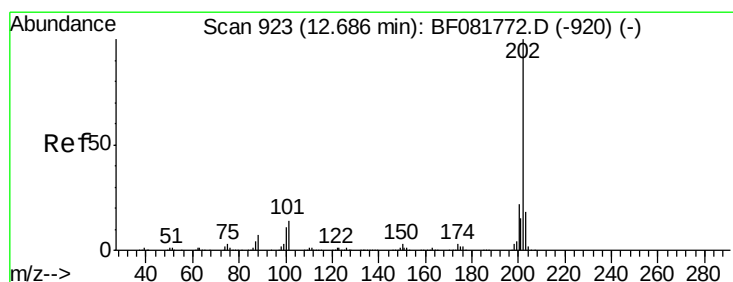
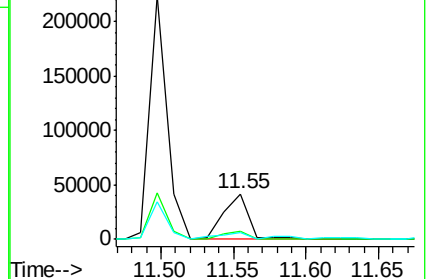
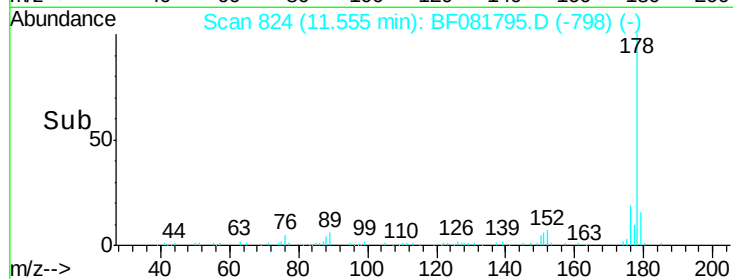
179 15.8 12.2 18.2



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: 16.00 ng

RT: 12.69 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

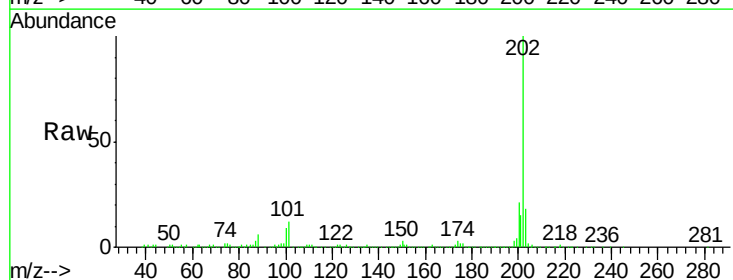
Tgt Ion:202 Resp: 380873

Ion Ratio Lower Upper

202 100

101 12.4 0.0 38.3

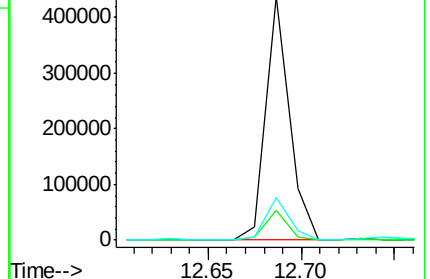
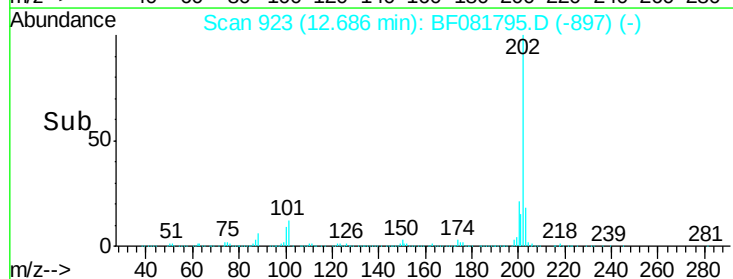
203 17.7 0.0 37.3

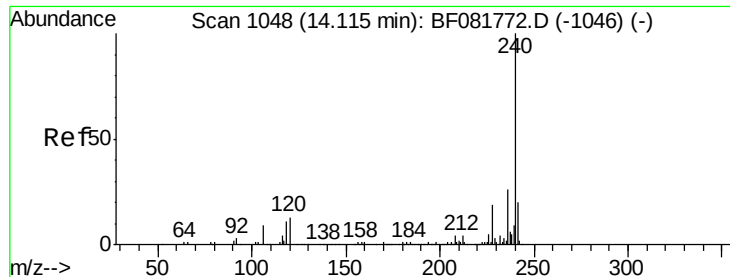


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.12 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

ClientSampled :

SP-2

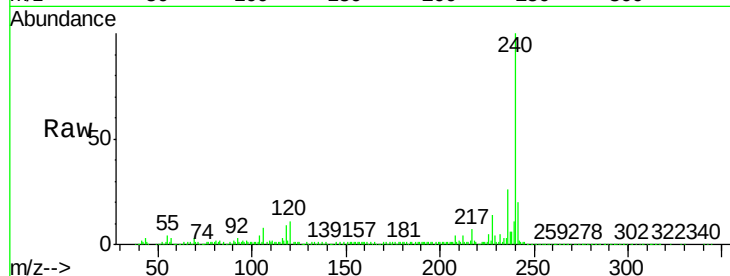
Tgt Ion:240 Resp: 322570

Ion Ratio Lower Upper

240 100

120 11.3 16.2 24.2#

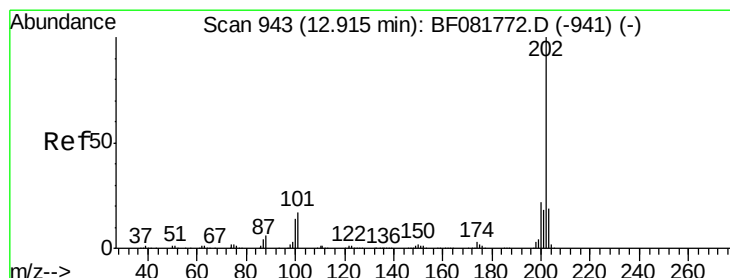
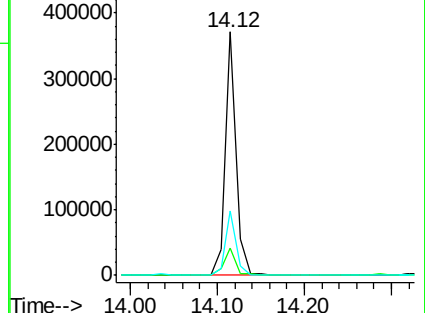
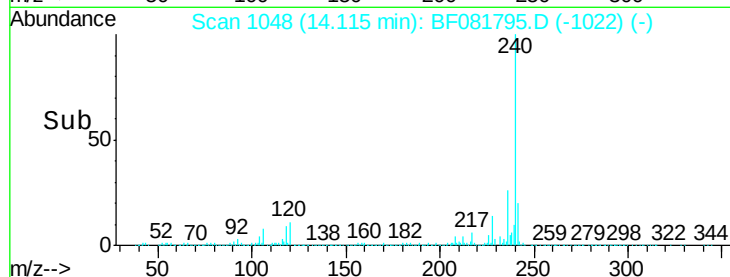
236 26.2 18.4 27.6



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: 14.73 ng

RT: 12.91 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

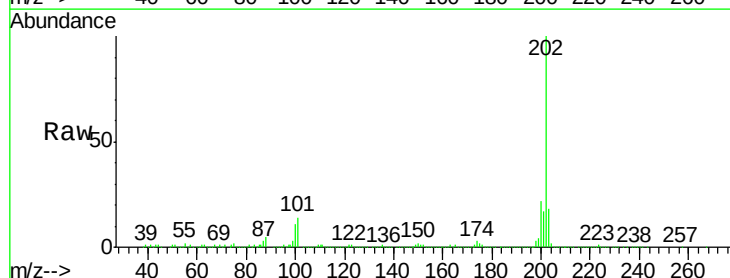
Tgt Ion:202 Resp: 358157

Ion Ratio Lower Upper

202 100

200 21.6 15.0 22.4

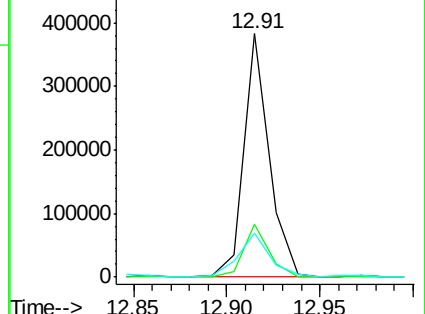
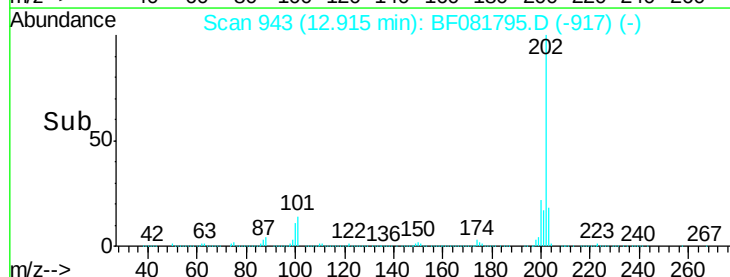
203 18.1 14.1 21.1

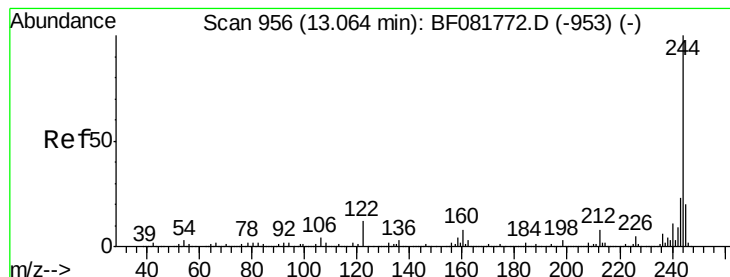


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.82 ng

RT: 13.06 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

ClientSampleId :

SP-2

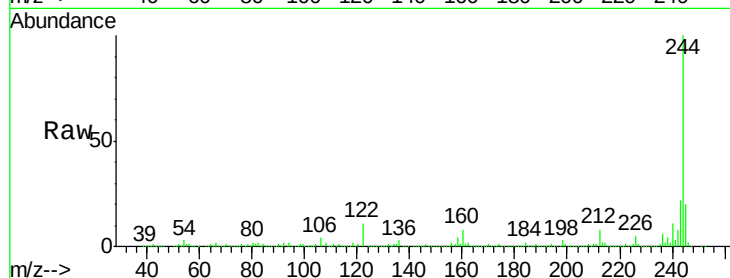
Tgt Ion:244 Resp: 985888

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

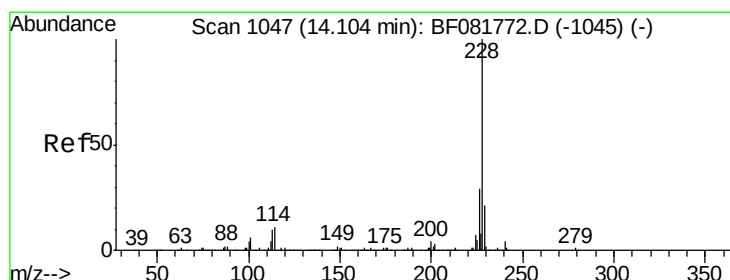
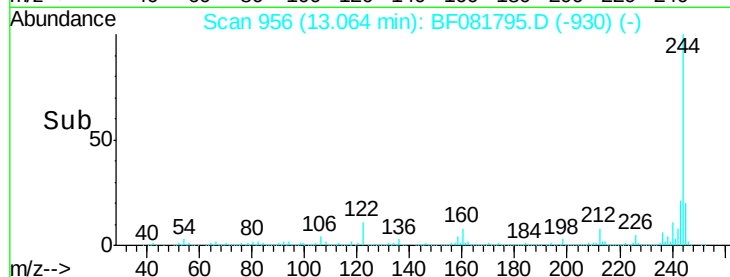
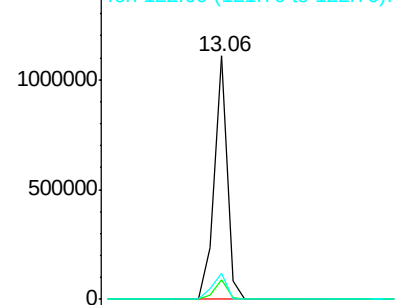
122 10.6 17.4 26.2#



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: 12.35 ng

RT: 14.10 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

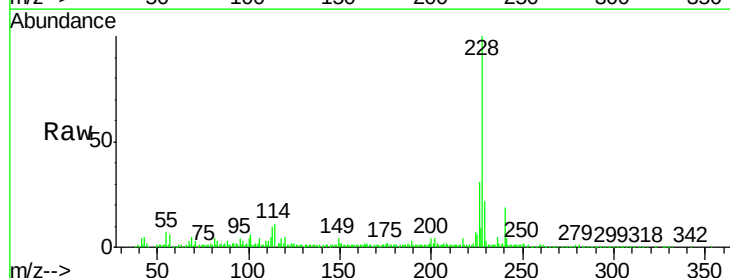
Tgt Ion:228 Resp: 241545

Ion Ratio Lower Upper

228 100

226 30.5 20.0 30.0#

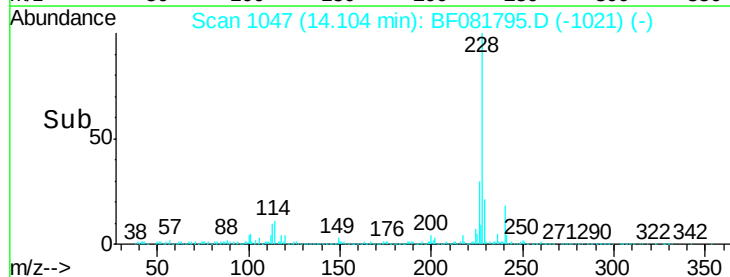
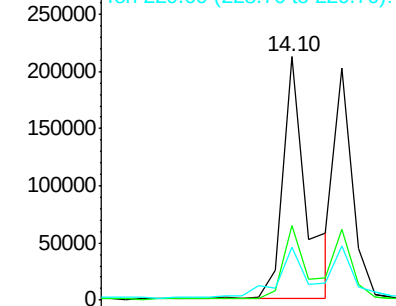
229 21.9 15.4 23.2

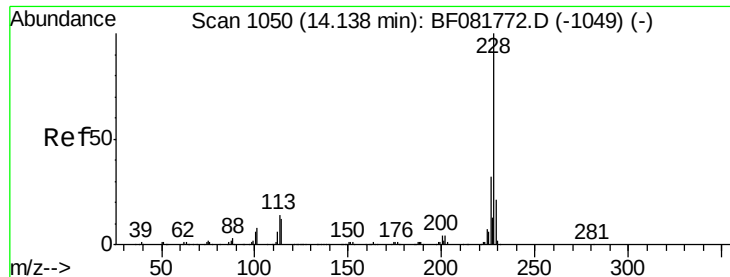


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.12 ng

RT: 14.14 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

ClientSampleId :

SP-2

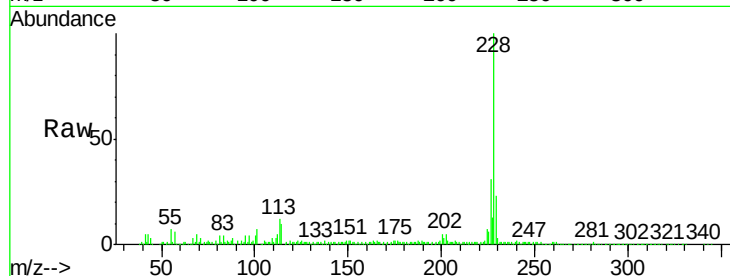
Tgt Ion: 228 Resp: 171067

Ion Ratio Lower Upper

228 100

226 30.5 21.0 31.4

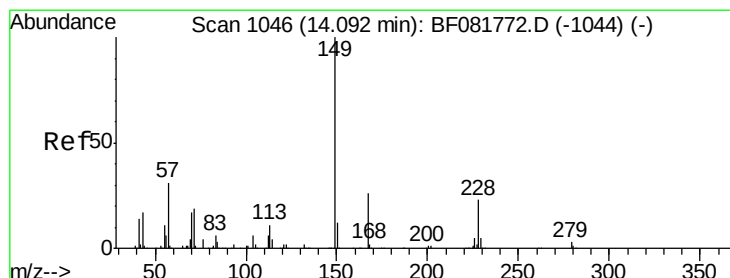
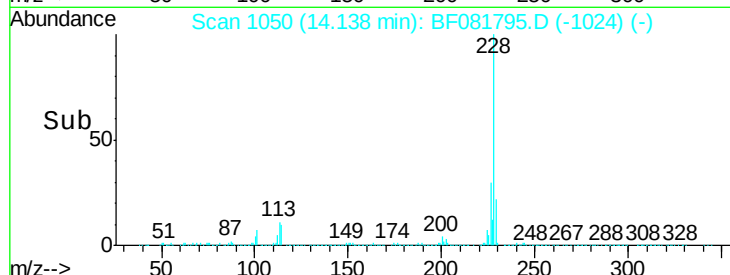
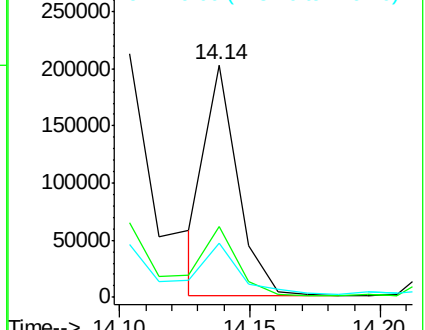
229 23.1 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.84 ng

RT: 14.09 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

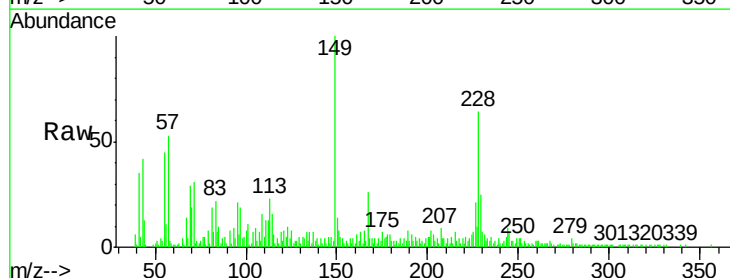
Tgt Ion: 149 Resp: 33407

Ion Ratio Lower Upper

149 100

167 26.4 24.2 36.2

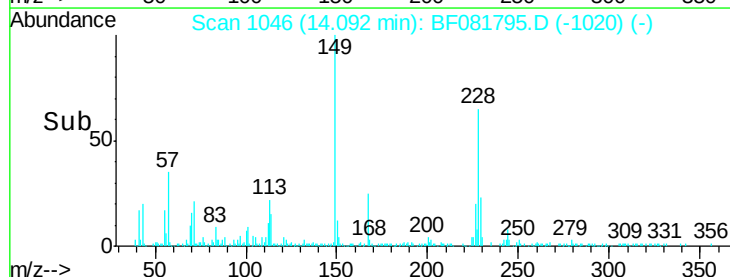
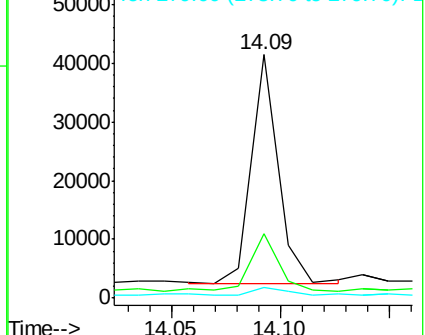
279 4.2 3.8 5.6

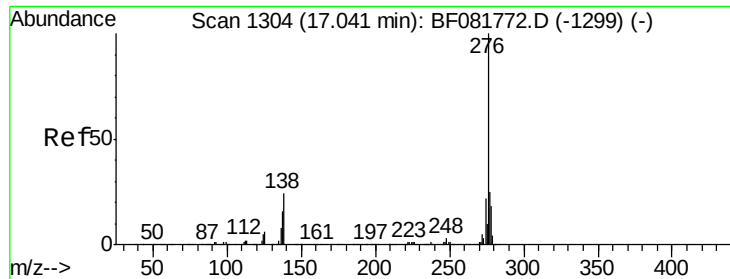


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.20 ng

RT: 17.05 min Scan# 1305

Delta R.T. 0.01 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

ClientSampleId :

SP-2

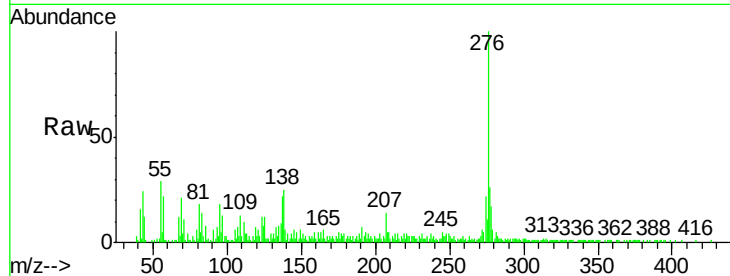
Tgt Ion: 276 Resp: 106498

Ion Ratio Lower Upper

276 100

138 22.5 25.7 38.5#

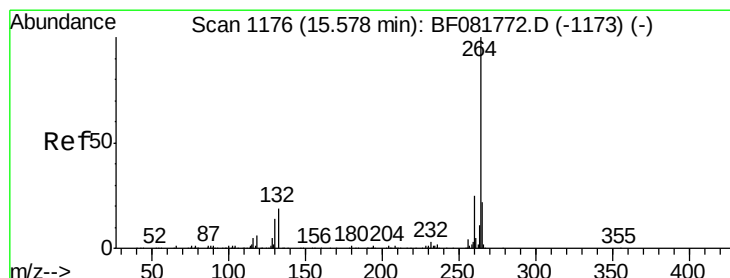
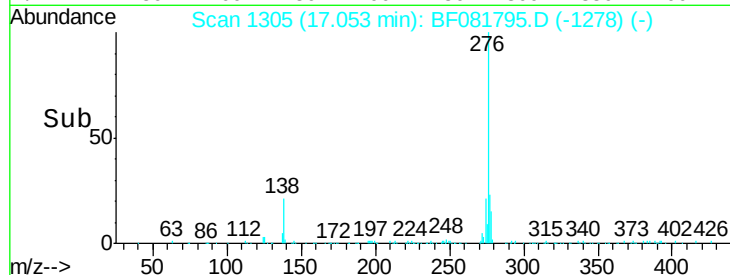
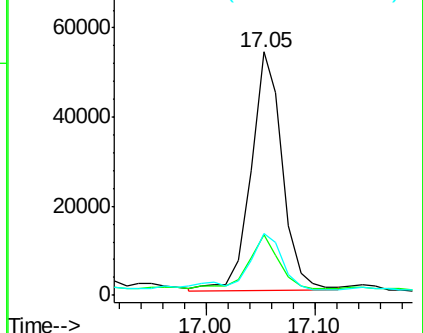
277 28.7 15.6 23.4#



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: 15.59 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

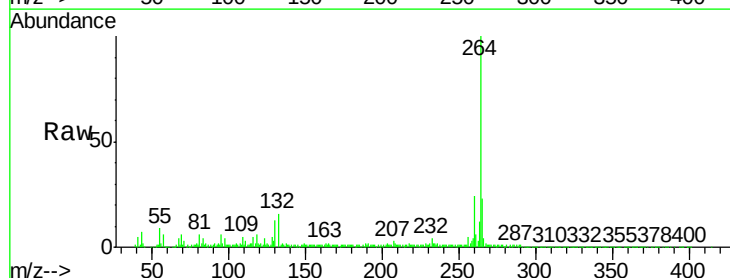
Tgt Ion: 264 Resp: 309950

Ion Ratio Lower Upper

264 100

260 24.3 16.7 25.1

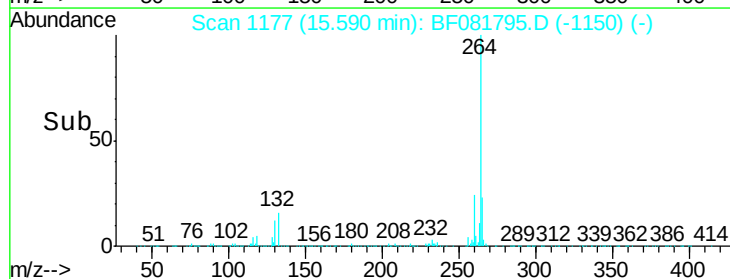
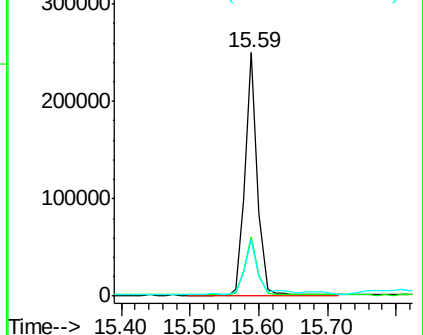
265 23.2 17.2 25.8

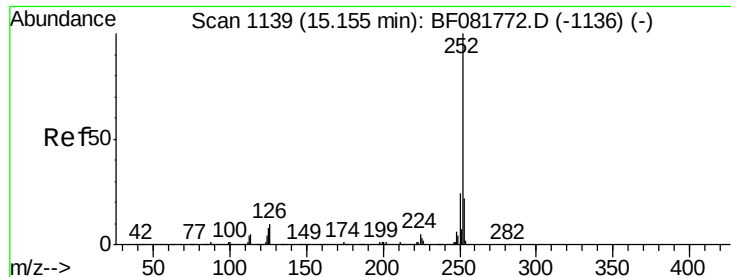


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.97 ng

RT: 15.16 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

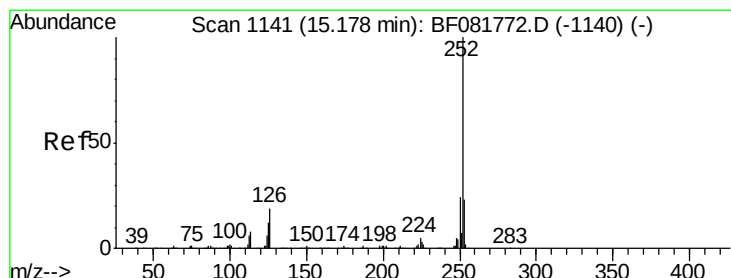
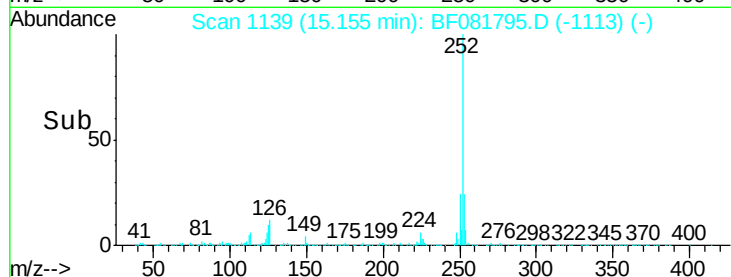
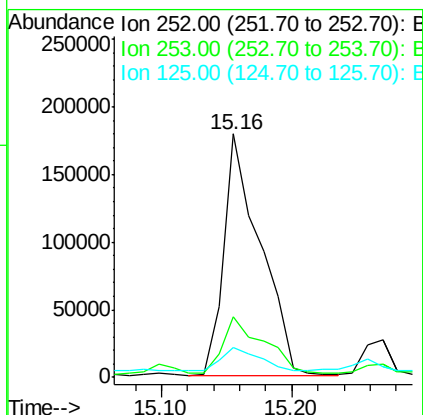
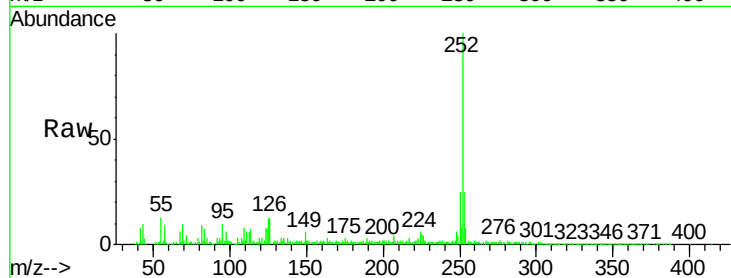
Instrument :

BNA_F

ClientSampled :

SP-2

Tgt Ion:	252	Resp:	348585
Ion Ratio		Lower	Upper
252	100		
253	25.0	17.5	26.3
125	12.4	17.1	25.7#



#88

Benzo(k)fluoranthene

Concen: 19.69 ng

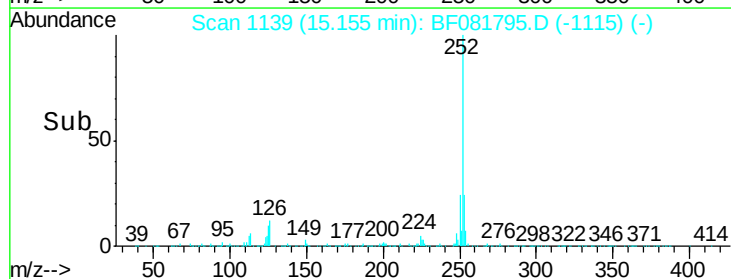
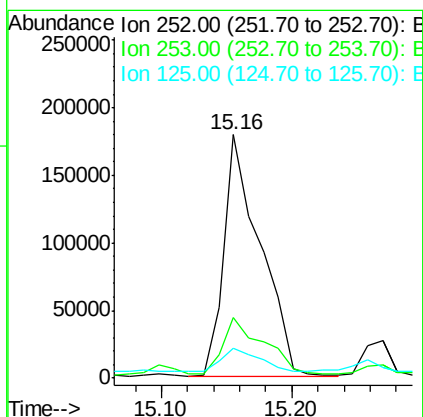
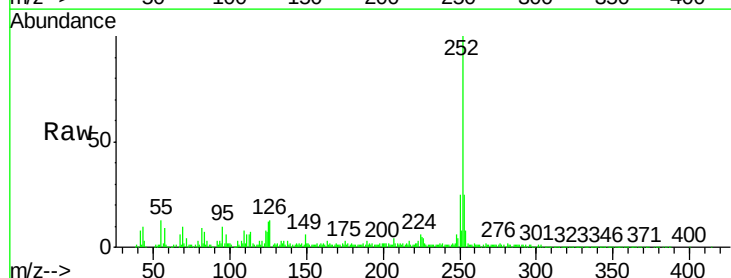
RT: 15.16 min Scan# 1139

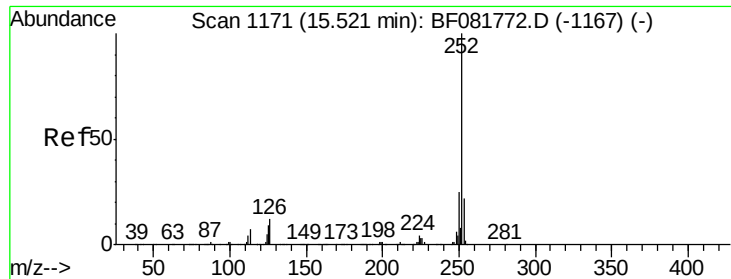
Delta R.T. -0.02 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Tgt Ion:	252	Resp:	348585
Ion Ratio		Lower	Upper
252	100		
253	25.0	17.0	25.4
125	12.4	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 11.11 ng

RT: 15.52 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

ClientSampleId :

SP-2

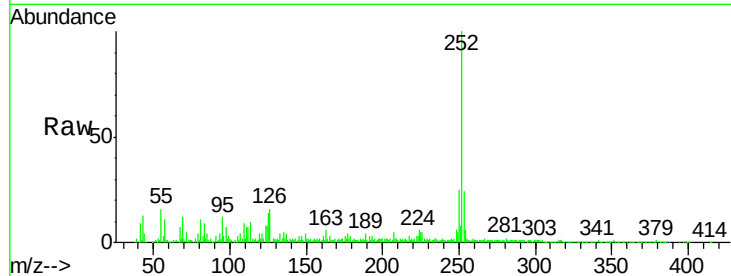
Tgt Ion: 252 Resp: 184382

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

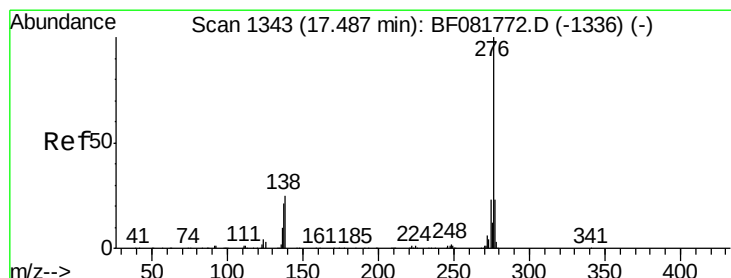
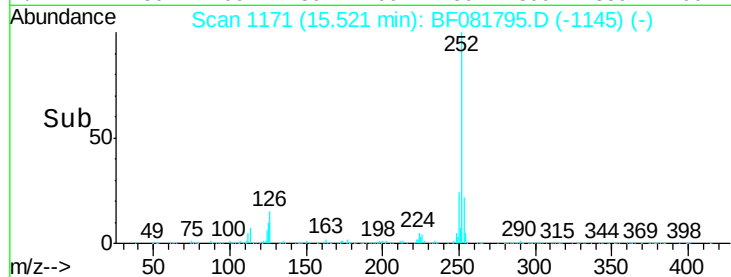
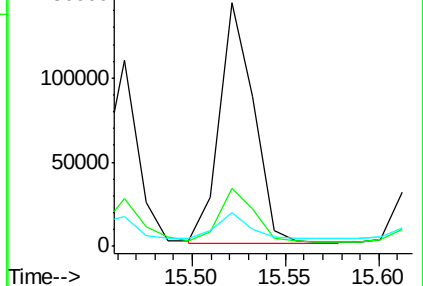
125 13.8 18.0 27.0#



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: 5.66 ng

RT: 17.50 min Scan# 1344

Delta R.T. 0.01 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

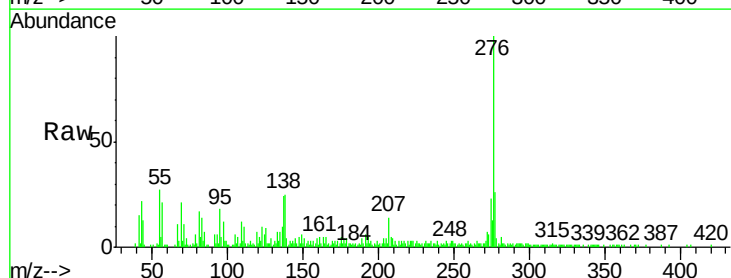
Tgt Ion: 276 Resp: 100977

Ion Ratio Lower Upper

276 100

277 25.8 17.8 26.6

138 24.7 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

