

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
 Data File : BF083537.D
 Acq On : 7 Dec 2015 1:47
 Operator : UM/IZ
 Sample : G4614-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S34-15.5

Quant Time: Dec 07 05:07:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	190569	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	728763	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	346712	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	581830	20.00	ng	-0.03
75) Chrysene-d12	17.03	240	372052	20.00	ng	-0.02
86) Perylene-d12	18.66	264	380648	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1691256	134.64	ng	-0.01
7) Phenol-d6	5.30	99	2213213	127.88	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1490528	95.61	ng	-0.03
41) 2,4,6-Tribromophenol	11.72	330	412814	129.07	ng	-0.03
44) 2-Fluorobiphenyl	9.38	172	2007350	78.53	ng	-0.05
78) Terphenyl-d14	15.47	244	1358305	81.24	ng	-0.01

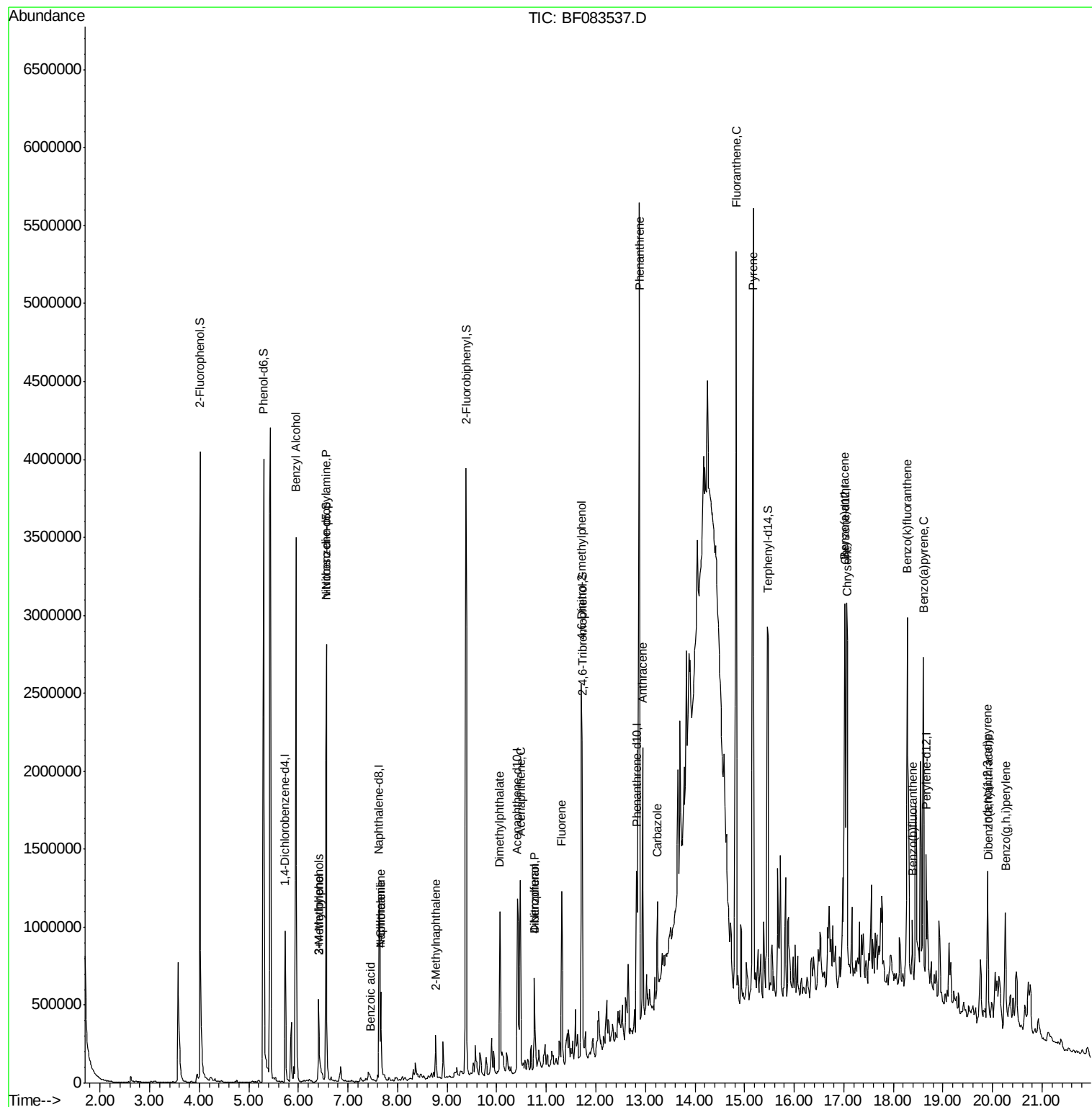
Target Compounds						Qvalue
15) Benzyl Alcohol	5.95	79	31631	2.63	ng	# 50
17) 2-Methylphenol	6.41	107	165002	14.31	ng	# 59
19) n-Nitroso-di-n-propylamine	6.57	70	199081	17.24	ng	# 78
20) 3+4-Methylphenols	6.41	107	262671	17.54	ng	94
31) Naphthalene	7.66	128	363766	9.38	ng	99
32) Benzoic acid	7.45	122	18888	5.42	ng	# 23
33) 4-Chloroaniline	7.66	127	46416	3.06	ng	# 31
37) 2-Methylnaphthalene	8.77	142	108776	4.53	ng	98
49) Dimethylphthalate	10.06	163	512418	18.78	ng	98
51) Acenaphthene	10.48	154	363344	16.61	ng	99
54) Dibenzofuran	10.76	168	308635	10.18	ng	97
55) 4-Nitrophenol	10.76	139	114192	32.73	ng	# 7
57) Fluorene	11.31	166	416562	15.80	ng	97
64) 4,6-Dinitro-2-methylphenol	11.71	198	1253	3.78	ng	# 1
70) Phenanthrene	12.88	178	3561632	105.17	ng	96
71) Anthracene	12.95	178	984227	28.50	ng	98
72) Carbazole	13.24	167	376555	12.70	ng	98
74) Fluoranthene	14.83	202	3571034	106.39	ng	95
77) Pyrene	15.17	202	3084397	110.82	ng	# 89
80) Benzo(a)anthracene	17.01	228	1425552	65.49	ng	# 96
82) Chrysene	17.07	228	1337701	61.69	ng	96
85) Indeno(1,2,3-cd)pyrene	19.89	276	637388	34.29	ng	# 100
87) Benzo(b)fluoranthene	18.39	252	203729	9.53	ng	97
88) Benzo(k)fluoranthene	18.28	252	1810969	82.70	ng	98
89) Benzo(a)pyrene	18.60	252	1015287	48.83	ng	98
90) Dibenzo(a,h)anthracene	19.91	278	175394	8.77	ng	98
91) Benzo(g,h,i)perylene	20.26	276	613461	30.43	ng	96

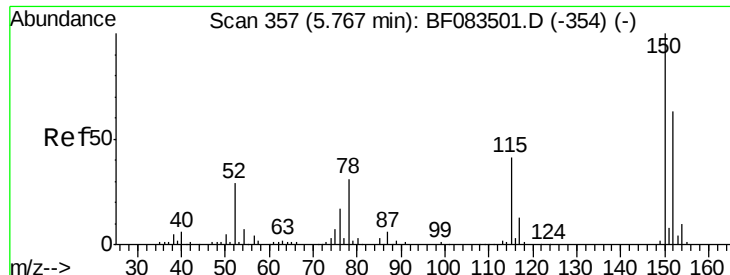
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.73 min Scan# 354

Delta R.T. -0.03 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampleId :

S34-15.5

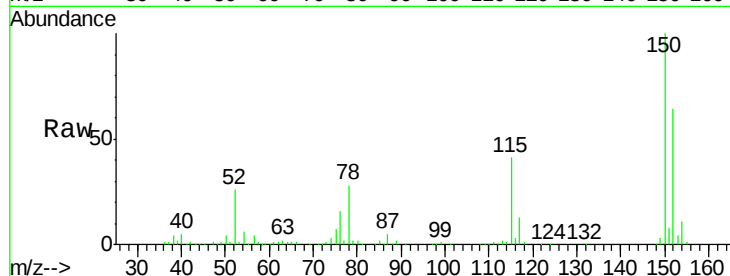
Tgt Ion:152 Resp: 190569

Ion Ratio Lower Upper

152 100

150 155.9 126.5 189.7

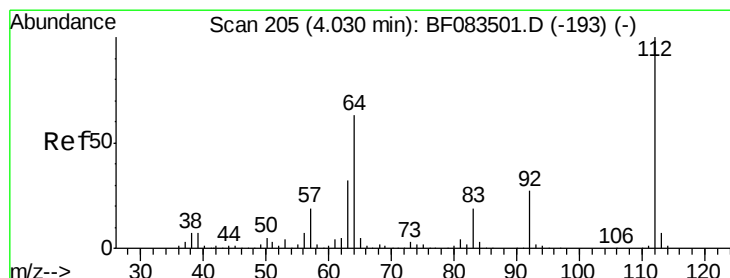
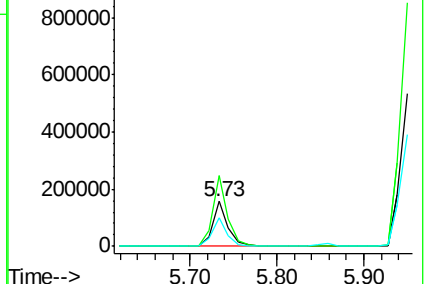
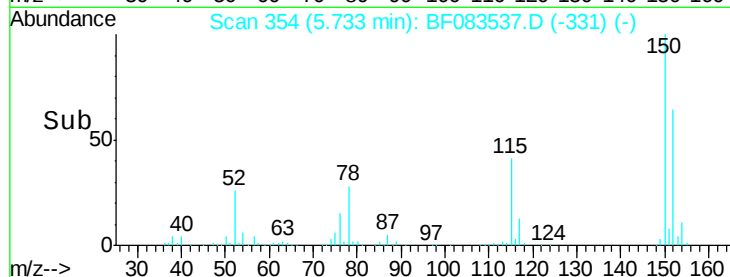
115 64.5 52.3 78.5



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: 134.64 ng

RT: 4.02 min Scan# 204

Delta R.T. -0.01 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

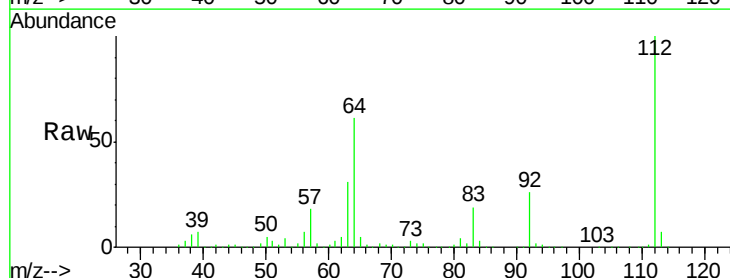
Tgt Ion:112 Resp: 1691256

Ion Ratio Lower Upper

112 100

64 61.2 50.5 75.7

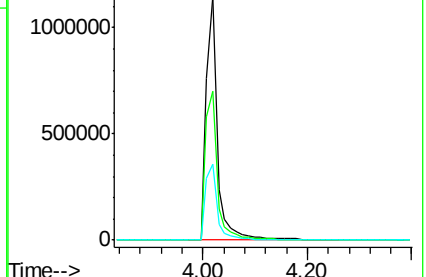
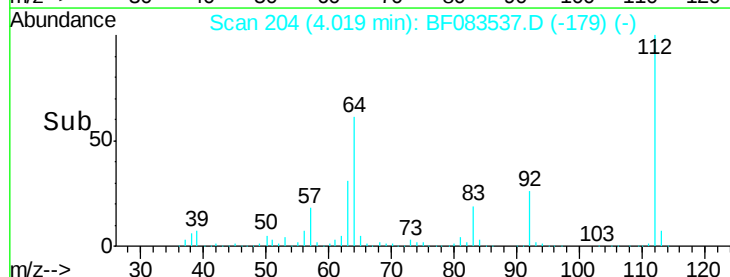
63 31.2 25.8 38.6

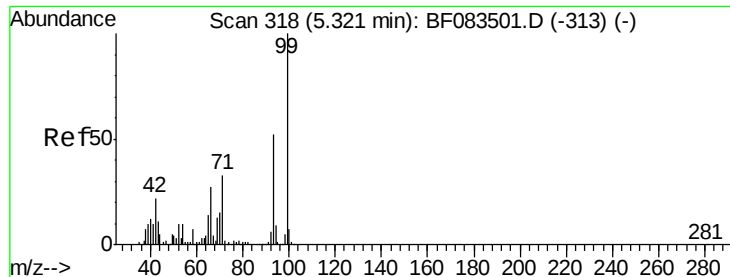


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 127.88 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampleId :

S34-15.5

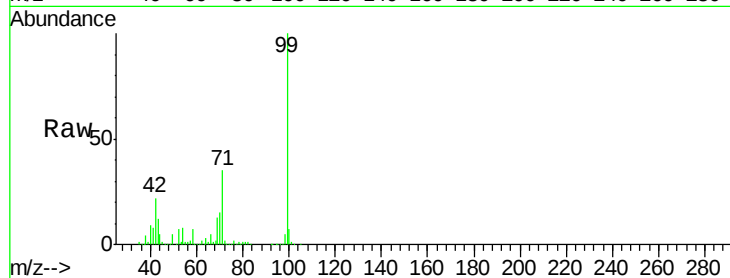
Tgt Ion: 99 Resp: 2213213

Ion Ratio Lower Upper

99 100

42 21.8 17.3 25.9

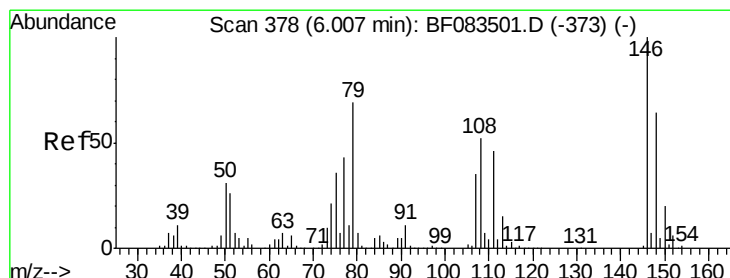
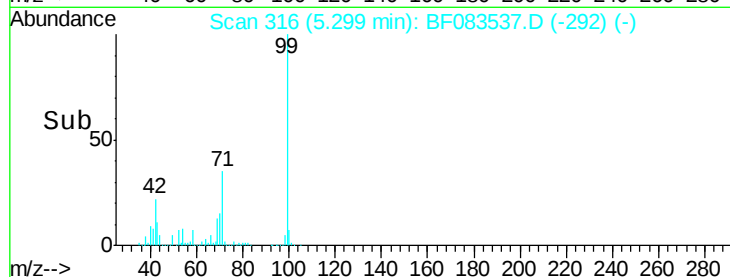
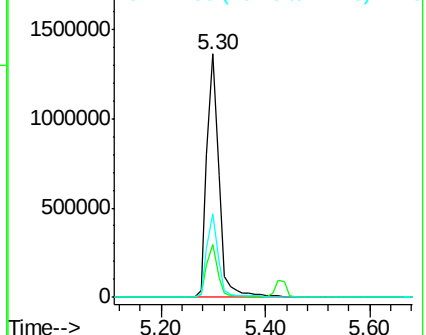
71 34.5 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.63 ng

RT: 5.95 min Scan# 373

Delta R.T. -0.06 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

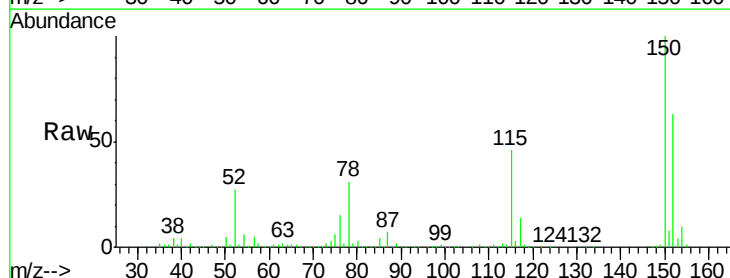
Tgt Ion: 79 Resp: 31631

Ion Ratio Lower Upper

79 100

108 26.5 59.6 89.4#

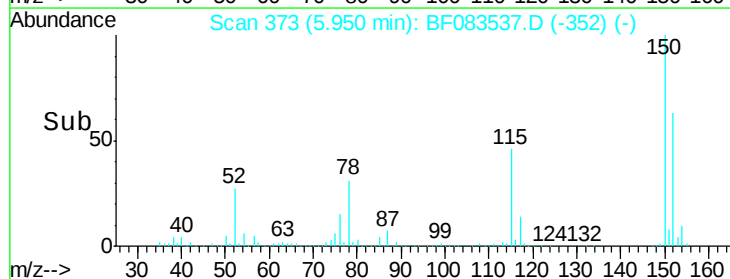
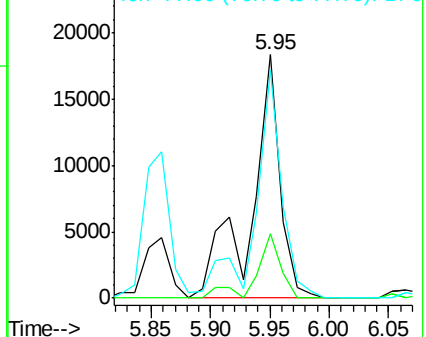
77 94.0 49.8 74.6#

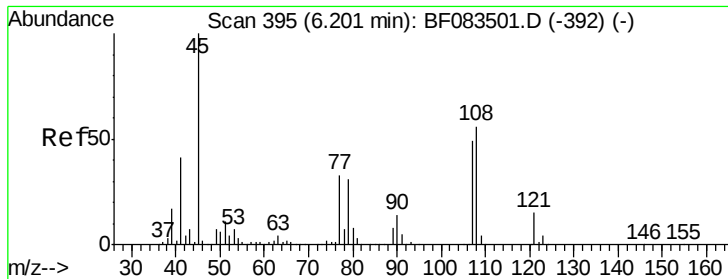


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

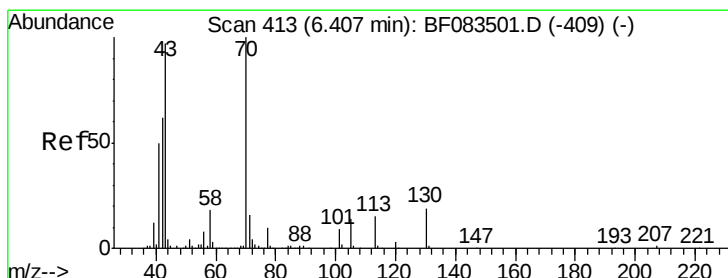
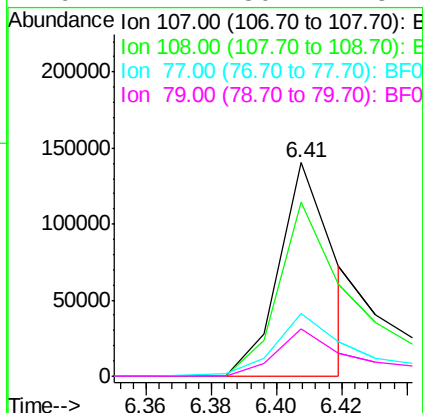
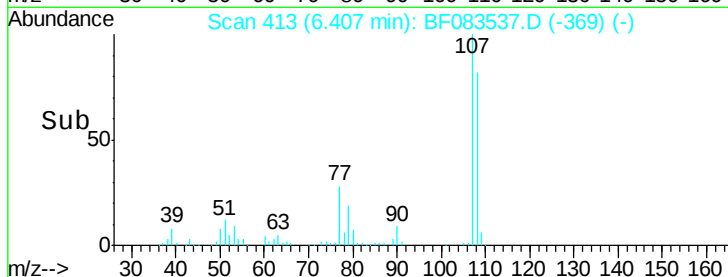
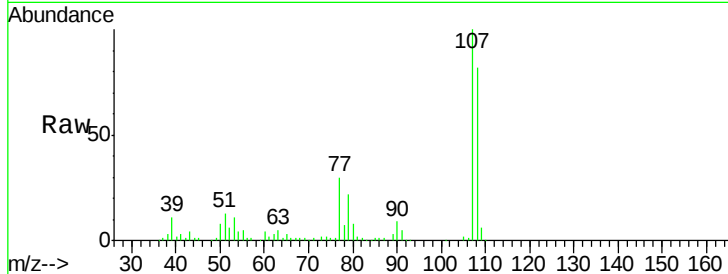




#17
2-Methylphenol
Concen: 14.31 ng
RT: 6.41 min Scan# 413
Delta R.T. 0.21 min
Lab File: BF083537.D
Acq: 7 Dec 2015 1:47

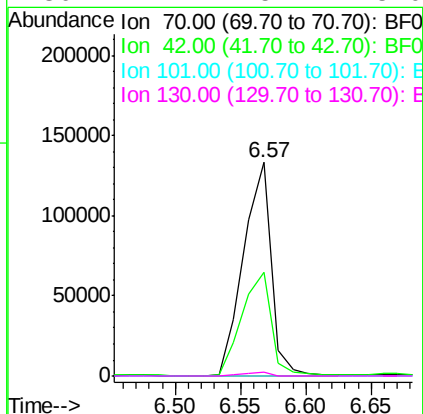
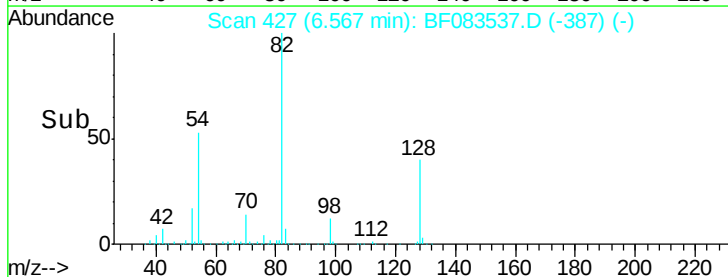
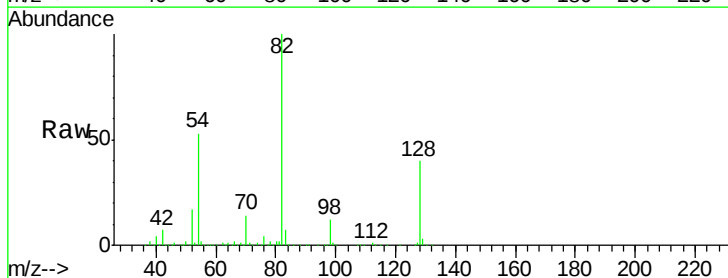
Instrument :
BNA_G
ClientSampleId :
S34-15.5

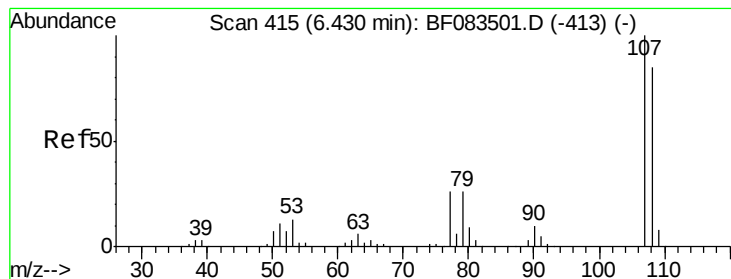
Tgt Ion:107 Resp: 165002
Ion Ratio Lower Upper
107 100
108 81.6 91.6 137.4#
77 29.7 53.7 80.5#
79 22.1 50.2 75.4#



#19
n-Nitroso-di-n-propylamine
Concen: 17.24 ng
RT: 6.57 min Scan# 427
Delta R.T. 0.16 min
Lab File: BF083537.D
Acq: 7 Dec 2015 1:47

Tgt Ion: 70 Resp: 199081
Ion Ratio Lower Upper
70 100
42 48.6 49.2 73.8#
101 0.0 7.1 10.7#
130 1.7 15.4 23.0#





#20

3+4-Methylphenols

Concen: 17.54 ng

RT: 6.41 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampleId :

S34-15.5

Tgt Ion:107 Resp: 262671

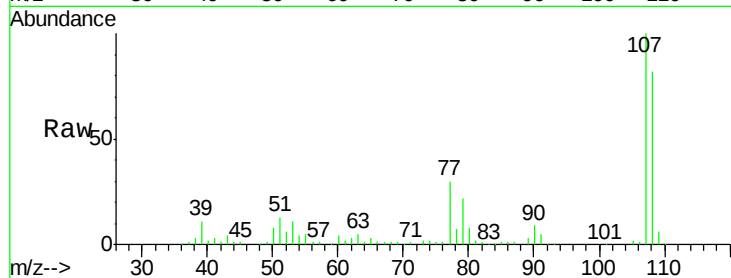
Ion Ratio Lower Upper

107 100

108 81.6 65.2 105.2

77 29.7 15.2 55.2

79 22.1 6.0 46.0

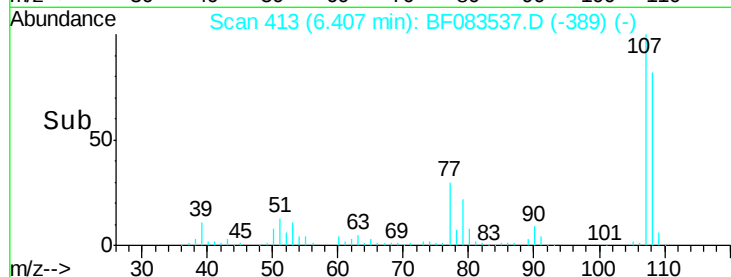


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->

6.41

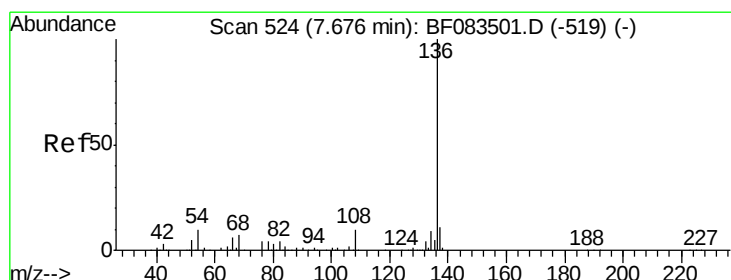
150000

100000

50000

0

6.40 6.60



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 520

Delta R.T. -0.05 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Tgt Ion:136 Resp: 728763

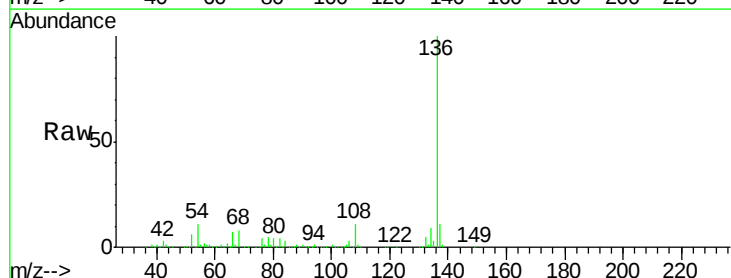
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.3 7.8 11.6

68 8.0 5.7 8.5

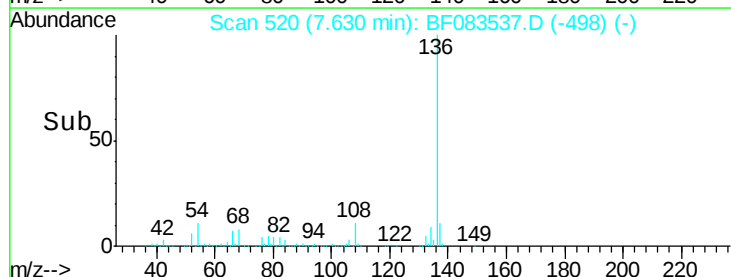


Abundance Ion 136.00 (135.70 to 136.70): E

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



Time-->

7.63

800000

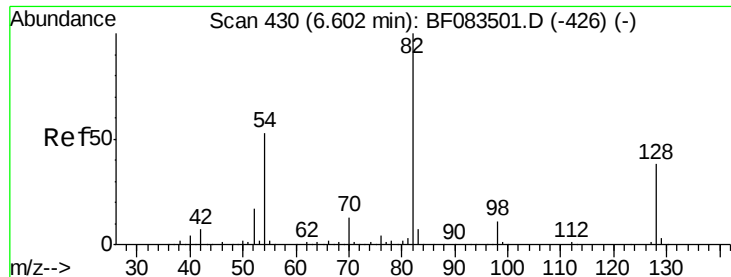
600000

400000

200000

0

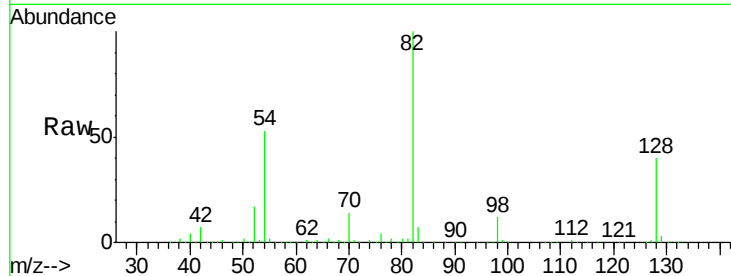
7.55 7.60 7.65 7.70 7.75



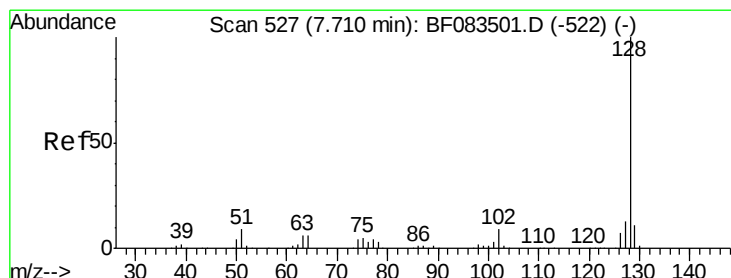
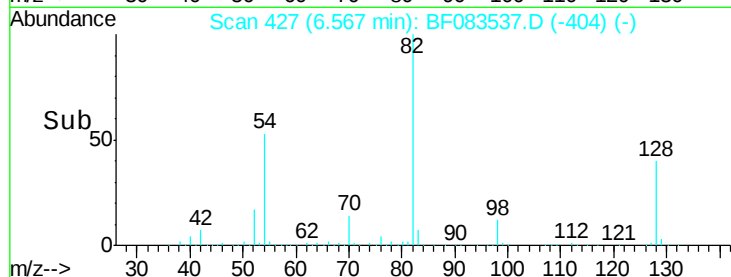
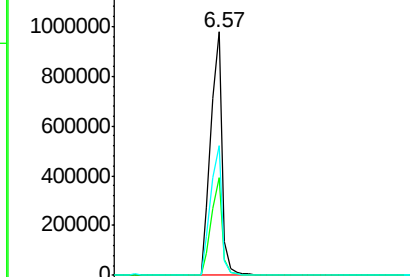
#23
Nitrobenzene-d5
Concen: 95.61 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF083537.D
Acq: 7 Dec 2015 1:47

Instrument :
BNA_G
ClientSampleId :
S34-15.5

Tgt Ion: 82 Resp: 1490528
Ion Ratio Lower Upper
82 100
128 40.1 30.7 46.1
54 53.2 42.5 63.7

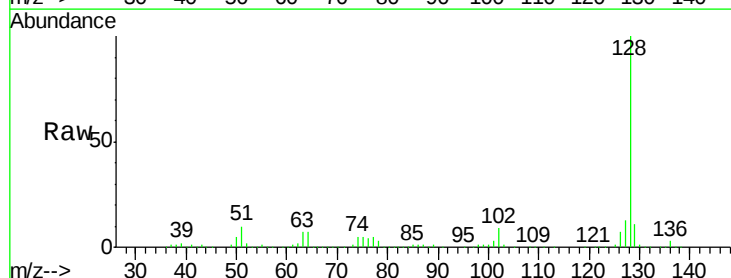


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

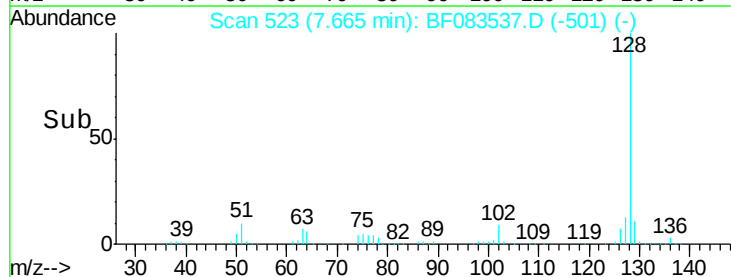
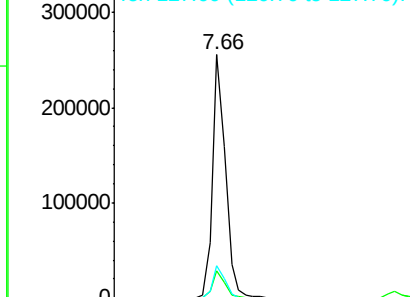


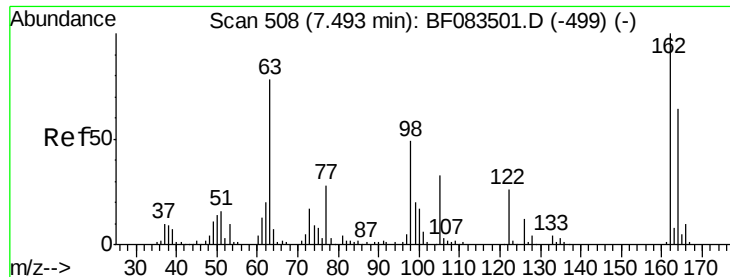
#31
Naphthalene
Concen: 9.38 ng
RT: 7.66 min Scan# 523
Delta R.T. -0.05 min
Lab File: BF083537.D
Acq: 7 Dec 2015 1:47

Tgt Ion: 128 Resp: 363766
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.2 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

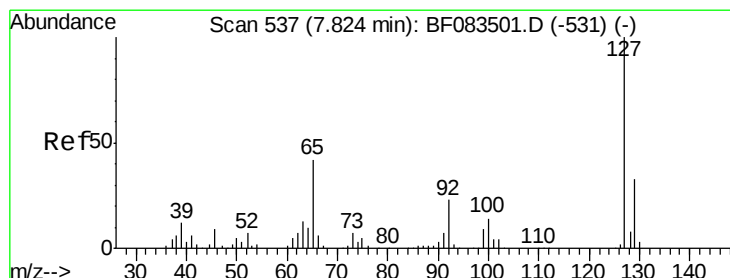
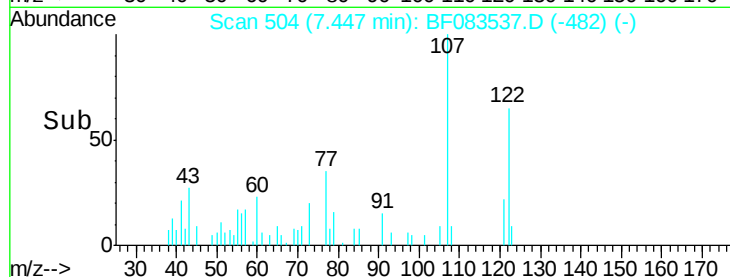
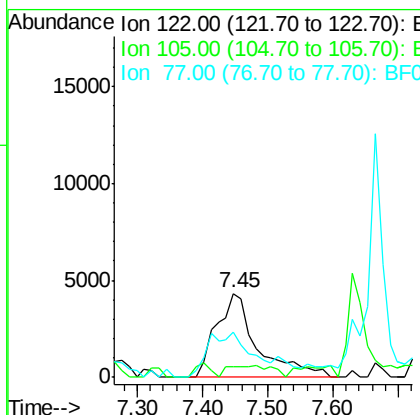
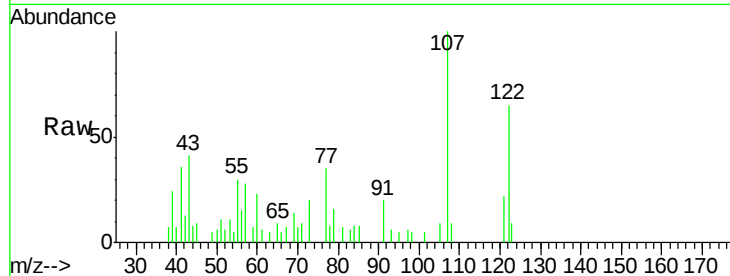




#32
Benzoic acid
Concen: 5.42 ng
RT: 7.45 min Scan# 504
Delta R.T. -0.05 min
Lab File: BF083537.D
Acq: 7 Dec 2015 1:47

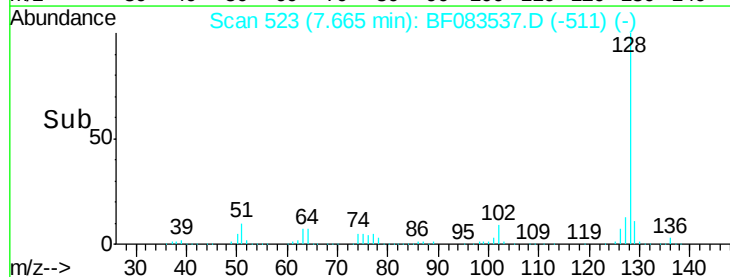
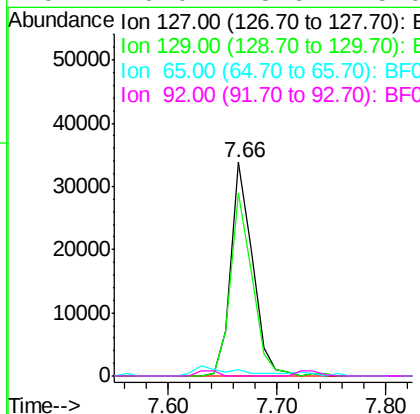
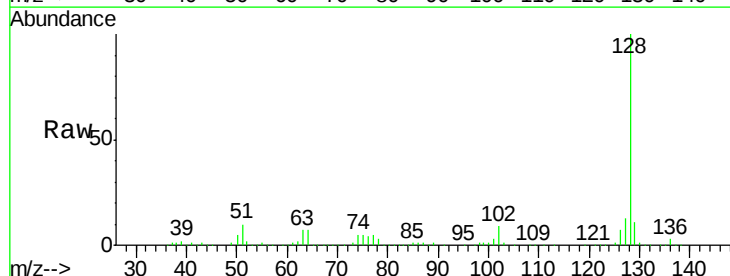
Instrument :
BNA_G
ClientSampleId :
S34-15.5

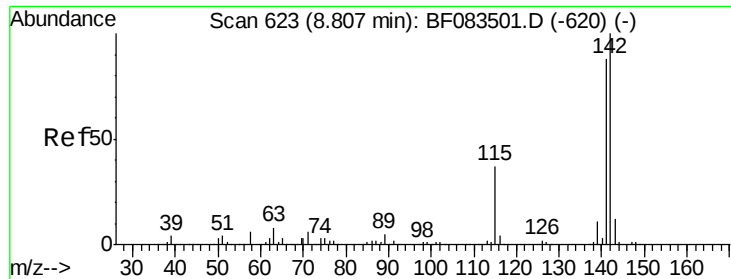
Tgt Ion:122 Resp: 18888
Ion Ratio Lower Upper
122 100
105 13.2 105.6 145.6#
77 53.6 86.8 126.8#



#33
4-Chloroaniline
Concen: 3.06 ng
RT: 7.66 min Scan# 523
Delta R.T. -0.16 min
Lab File: BF083537.D
Acq: 7 Dec 2015 1:47

Tgt Ion:127 Resp: 46416
Ion Ratio Lower Upper
127 100
129 85.6 26.1 39.1#
65 2.8 33.5 50.3#
92 0.0 18.6 28.0#

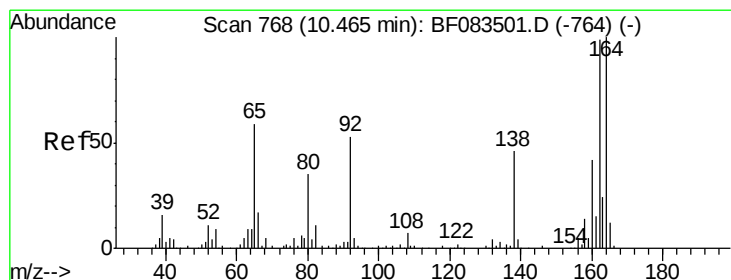
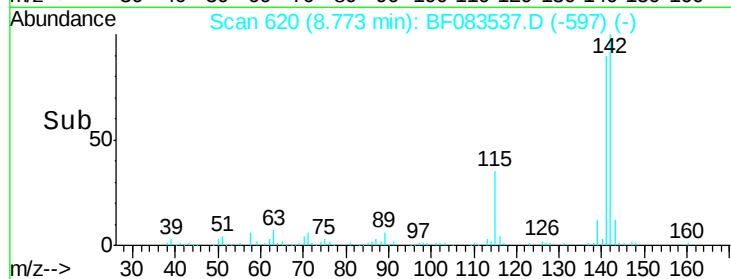
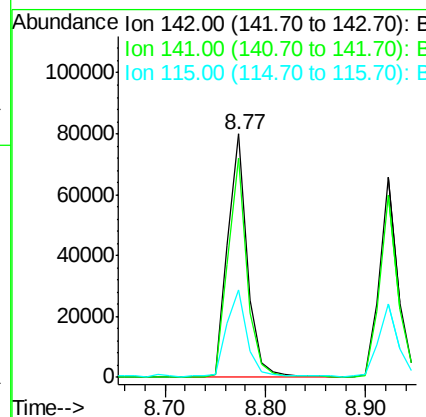
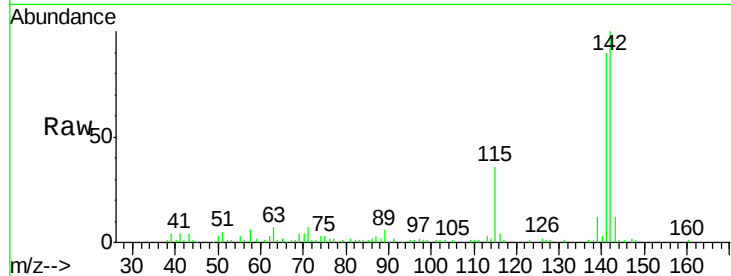




#37
2-Methylnaphthalene
Concen: 4.53 ng
RT: 8.77 min Scan# 620
Delta R.T. -0.03 min
Lab File: BF083537.D
Acq: 7 Dec 2015 1:47

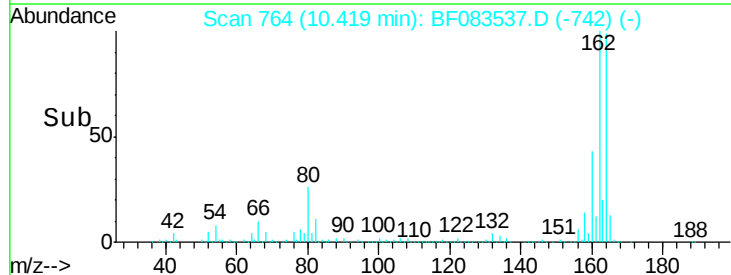
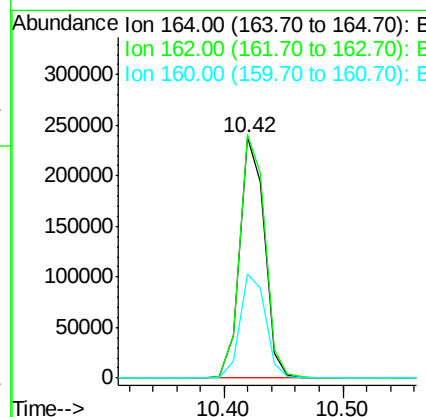
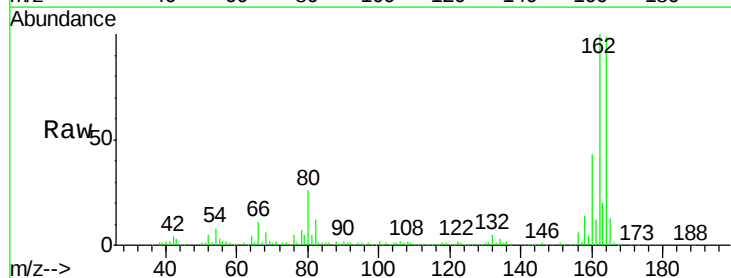
Instrument :
BNA_G
ClientSampleId :
S34-15.5

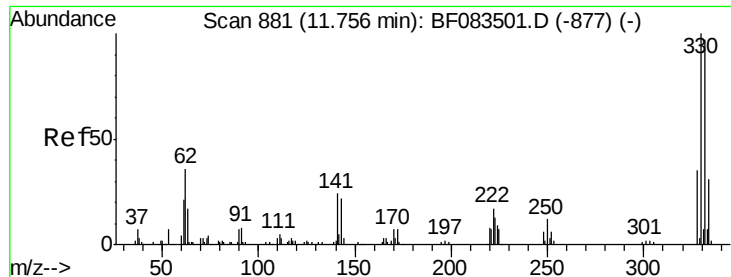
Tgt Ion:142 Resp: 108776
Ion Ratio Lower Upper
142 100
141 90.2 70.3 105.5
115 35.8 29.2 43.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.05 min
Lab File: BF083537.D
Acq: 7 Dec 2015 1:47

Tgt Ion:164 Resp: 346712
Ion Ratio Lower Upper
164 100
162 101.0 78.8 118.2
160 43.2 33.4 50.2

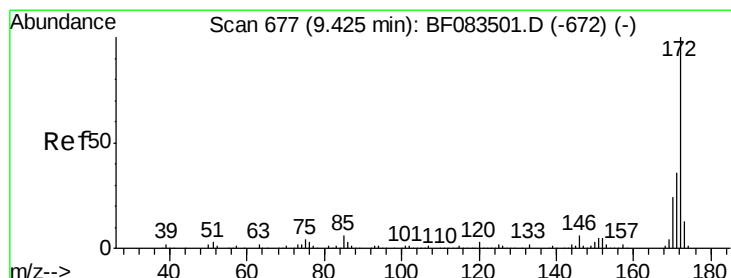
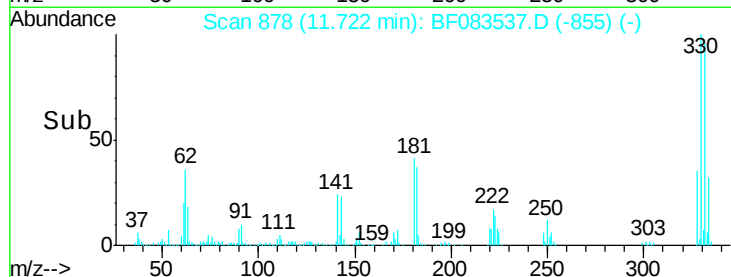
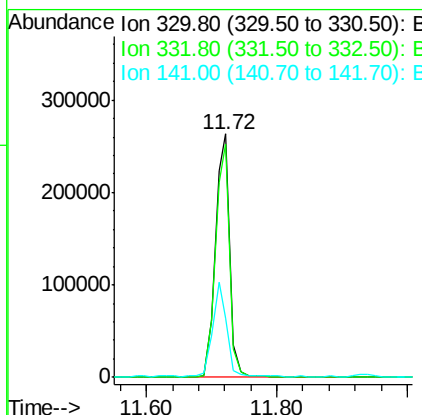
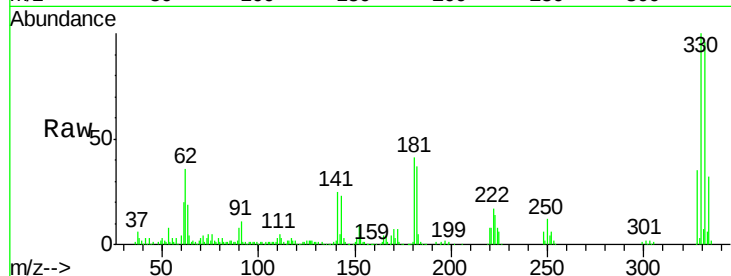




#41
 2,4,6-Tribromophenol
 Concen: 129.07 ng
 RT: 11.72 min Scan# 878
 Delta R.T. -0.03 min
 Lab File: BF083537.D
 Acq: 7 Dec 2015 1:47

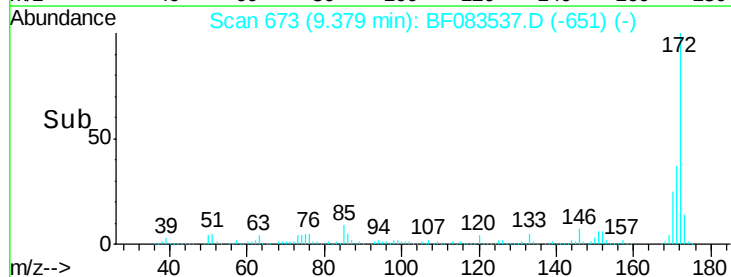
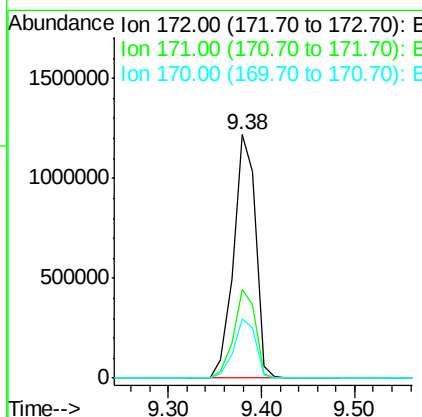
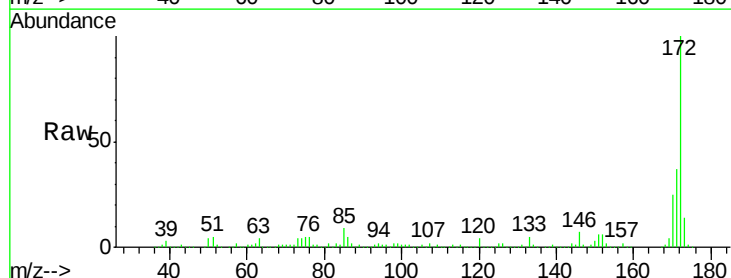
Instrument :
 BNA_G
 ClientSampleId :
 S34-15.5

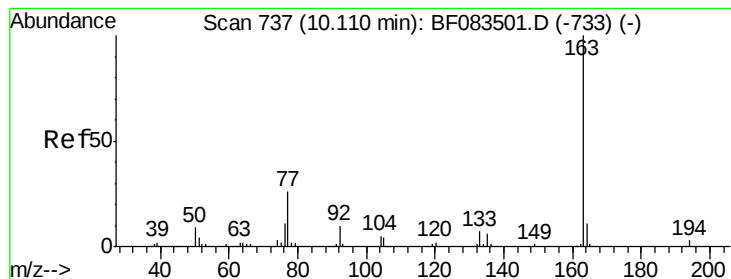
Tgt Ion:330 Resp: 412814
 Ion Ratio Lower Upper
 330 100
 332 95.1 0.0 0.0#
 141 38.7 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 78.53 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083537.D
 Acq: 7 Dec 2015 1:47

Tgt Ion:172 Resp: 2007350
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.6 42.8
 170 24.6 19.4 29.0





#49

Dimethylphthalate

Concen: 18.78 ng

RT: 10.06 min Scan# 733

Delta R.T. -0.05 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampleId :

S34-15.5

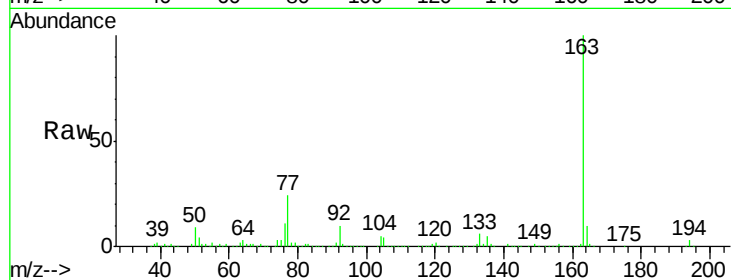
Tgt Ion:163 Resp: 512418

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

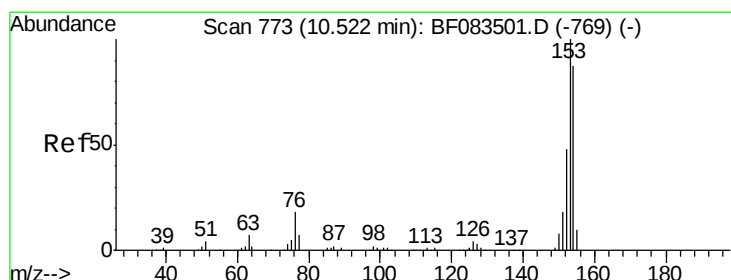
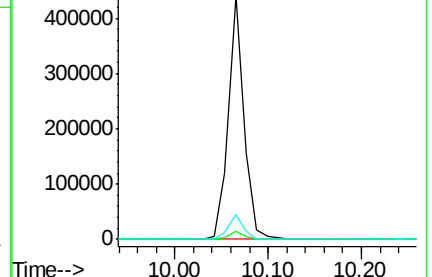
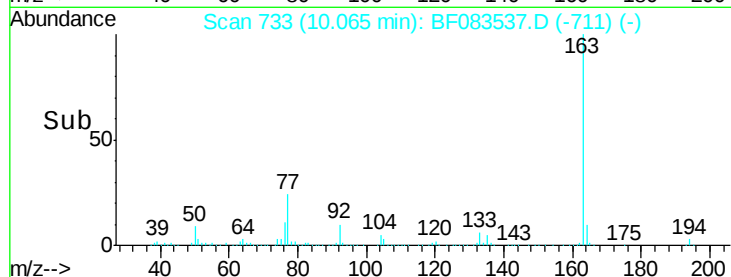
164 10.1 8.6 13.0



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



#51

Acenaphthene

Concen: 16.61 ng

RT: 10.48 min Scan# 769

Delta R.T. -0.05 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

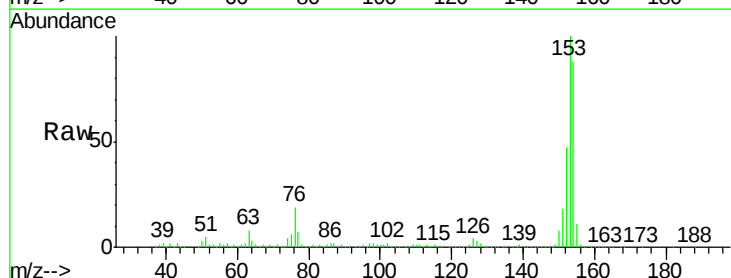
Tgt Ion:154 Resp: 363344

Ion Ratio Lower Upper

154 100

153 114.1 91.4 137.0

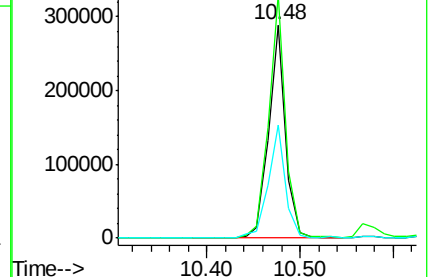
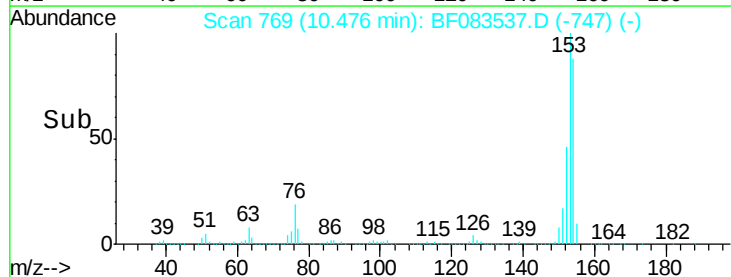
152 53.2 43.4 65.2

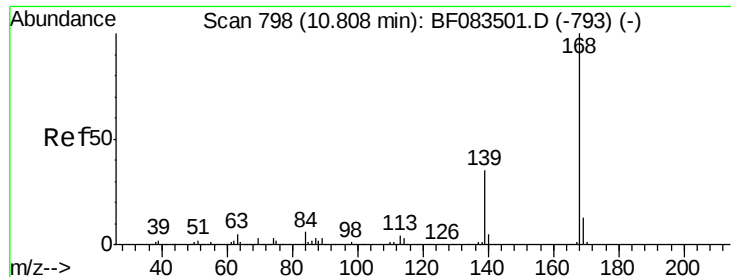


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

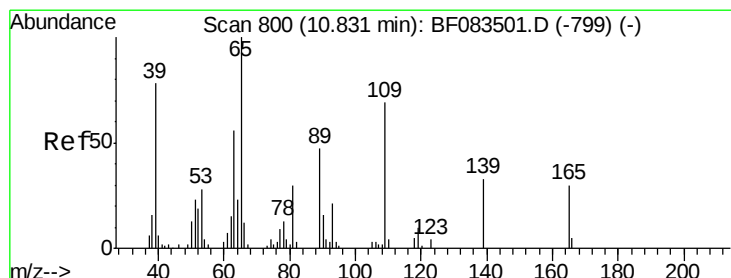
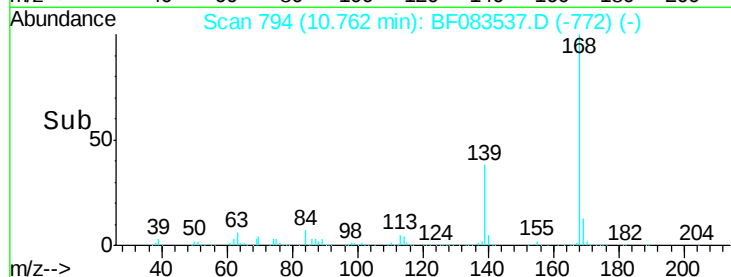
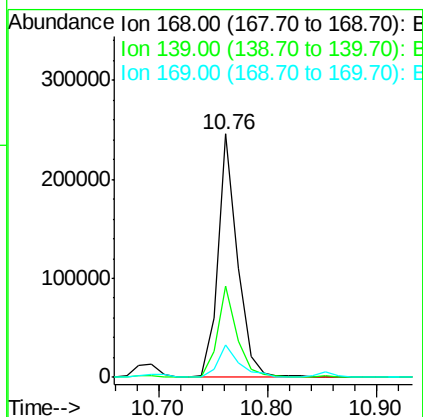
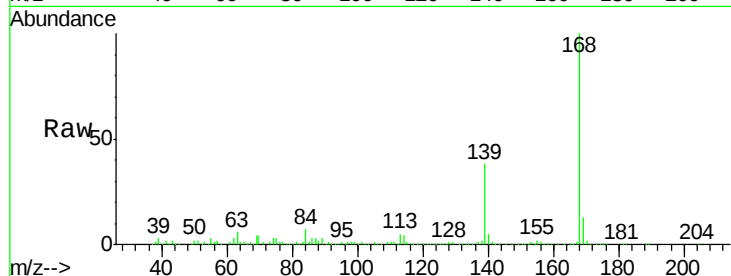




#54
Dibenzofuran
Concen: 10.18 ng
RT: 10.76 min Scan# 794
Delta R.T. -0.05 min
Lab File: BF083537.D
Acq: 7 Dec 2015 1:47

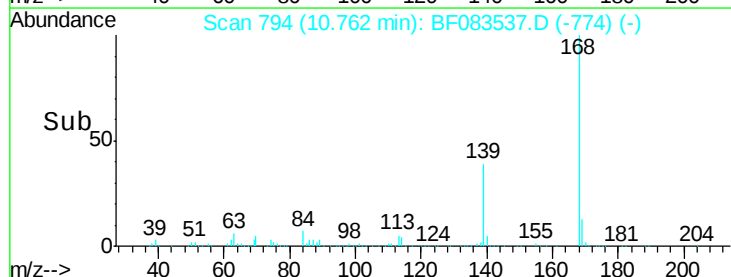
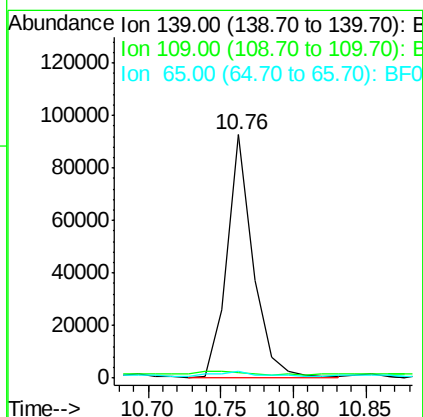
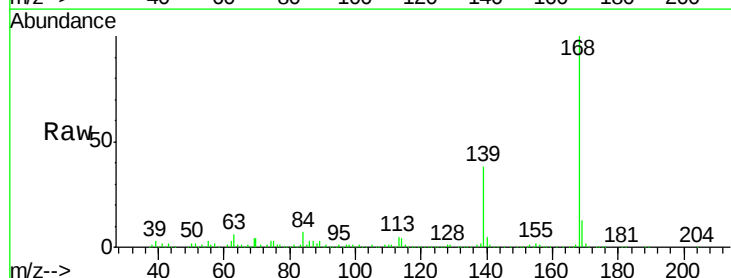
Instrument :
BNA_G
ClientSampleId :
S34-15.5

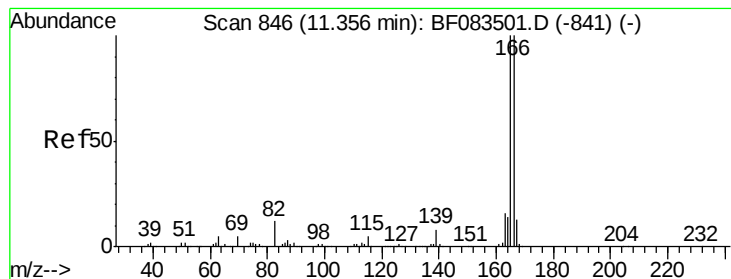
Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.7	28.0	42.0
169	13.3	10.8	16.2



#55
4-Nitrophenol
Concen: 32.73 ng
RT: 10.76 min Scan# 794
Delta R.T. -0.07 min
Lab File: BF083537.D
Acq: 7 Dec 2015 1:47

Tgt Ion	Ratio	Lower	Upper
139	100		
109	2.4	42.0	82.0#
65	2.8	89.2	129.2#





#57

Fluorene

Concen: 15.80 ng

RT: 11.31 min Scan# 842

Delta R.T. -0.05 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampleId :

S34-15.5

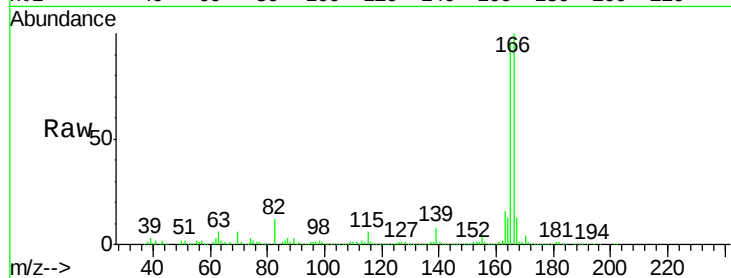
Tgt Ion:166 Resp: 416562

Ion Ratio Lower Upper

166 100

165 96.3 80.0 120.0

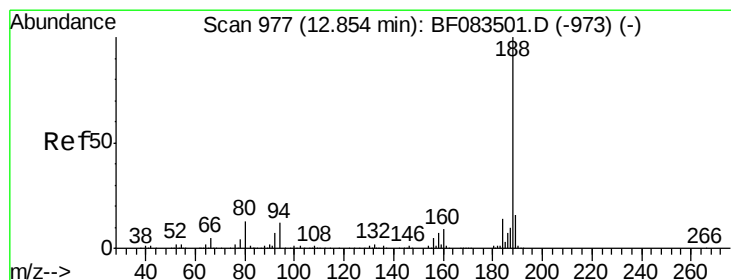
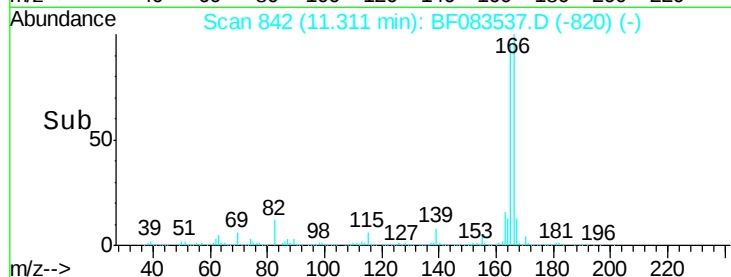
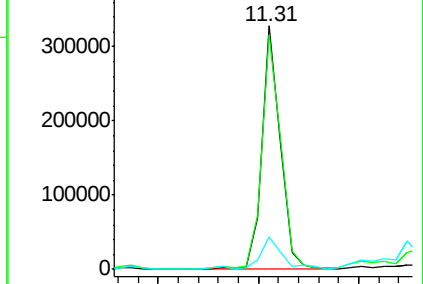
167 13.4 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.82 min Scan# 974

Delta R.T. -0.03 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

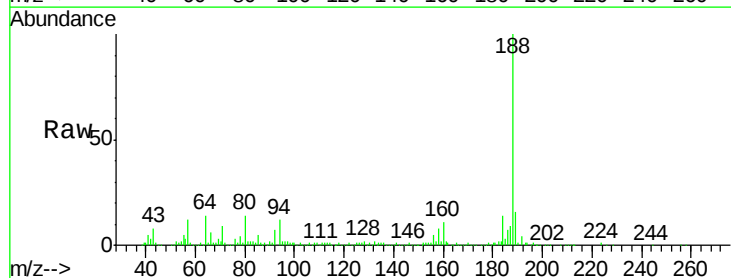
Tgt Ion:188 Resp: 581830

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

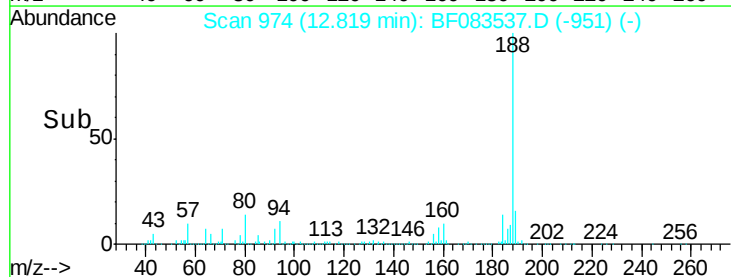
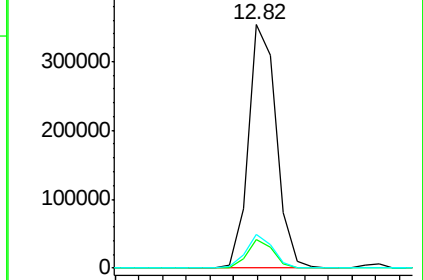
80 13.7 10.6 16.0

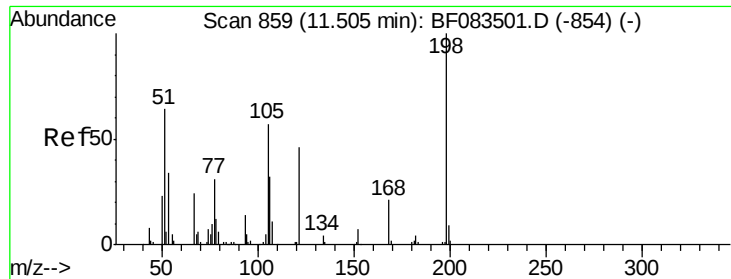


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

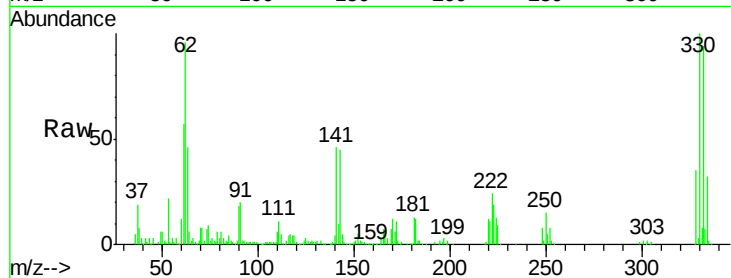




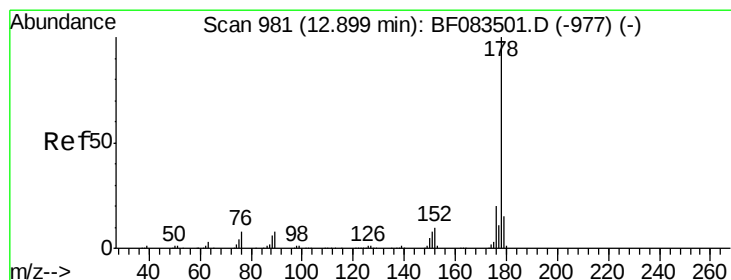
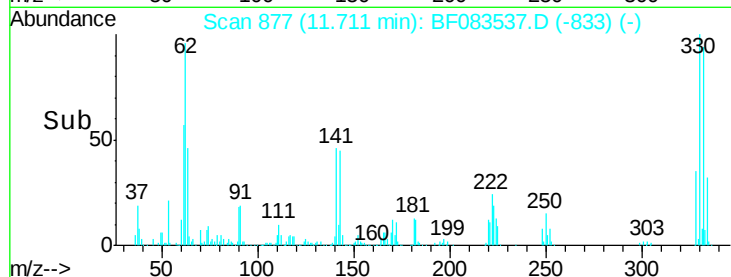
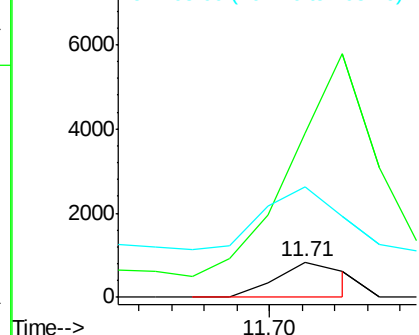
#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.78 ng
 RT: 11.71 min Scan# 877
 Delta R.T. 0.21 min
 Lab File: BF083537.D
 Acq: 7 Dec 2015 1:47

Instrument :
 BNA_G
 ClientSampleId :
 S34-15.5

Tgt Ion:198 Resp: 1253
 Ion Ratio Lower Upper
 198 100
 51 464.9 53.8 93.8#
 105 311.9 38.6 78.6#

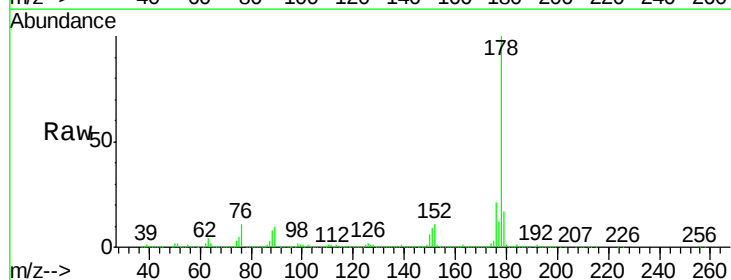


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

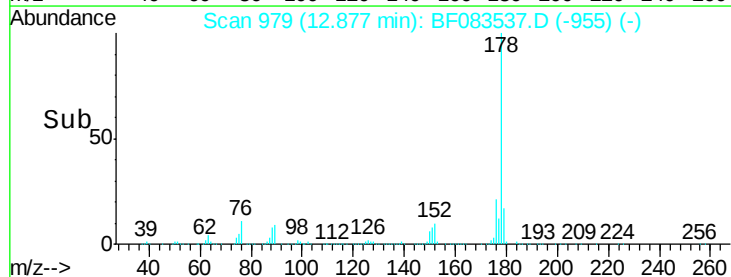
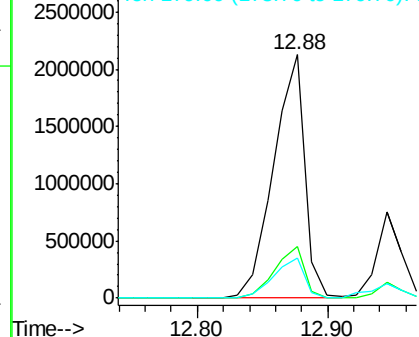


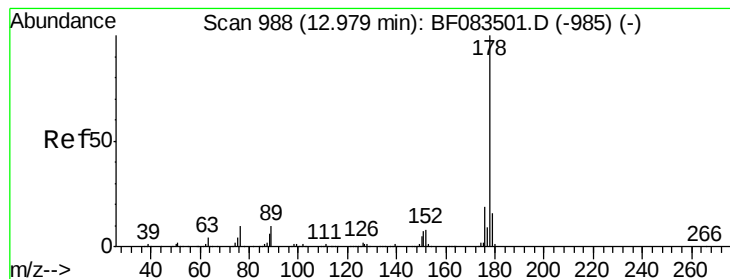
#70
 Phenanthrene
 Concen: 105.17 ng
 RT: 12.88 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF083537.D
 Acq: 7 Dec 2015 1:47

Tgt Ion:178 Resp: 3561632
 Ion Ratio Lower Upper
 178 100
 176 21.4 15.7 23.5
 179 16.7 12.2 18.4



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: 28.50 ng

RT: 12.95 min Scan# 985

Delta R.T. -0.03 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampled :

S34-15.5

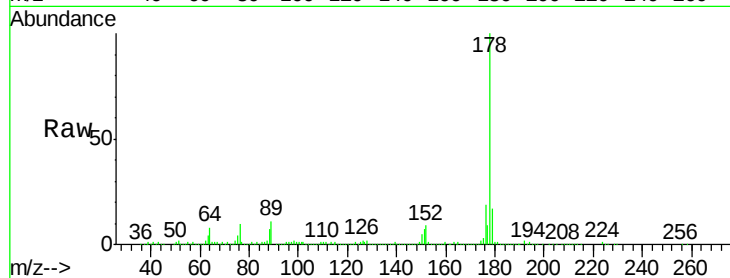
Tgt Ion:178 Resp: 984227

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

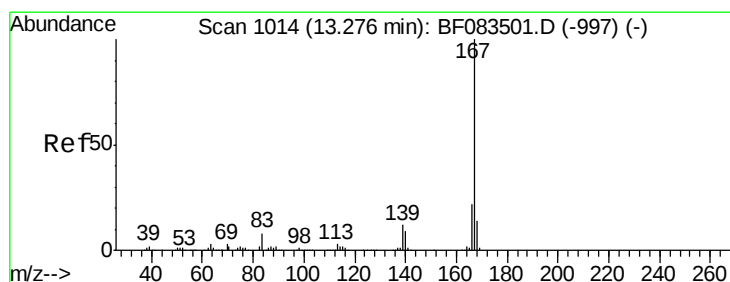
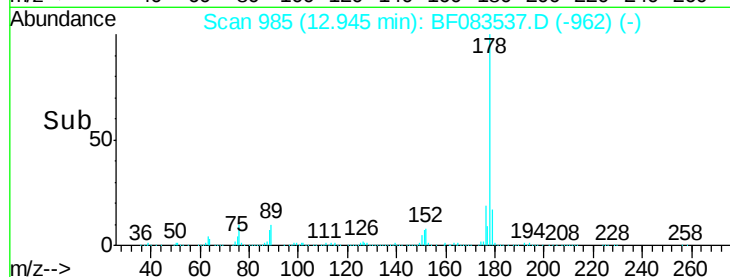
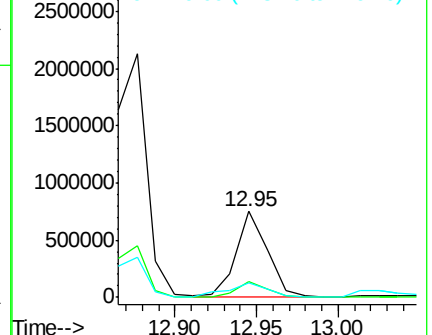
179 17.2 12.6 18.8



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



#72

Carbazole

Concen: 12.70 ng

RT: 13.24 min Scan# 1011

Delta R.T. -0.03 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

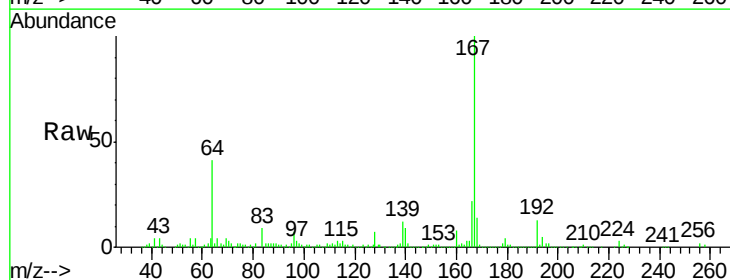
Tgt Ion:167 Resp: 376555

Ion Ratio Lower Upper

167 100

166 22.2 17.2 25.8

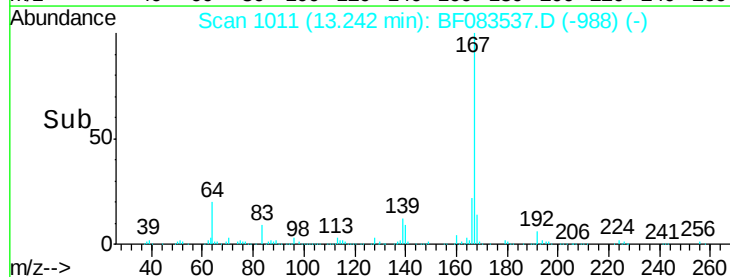
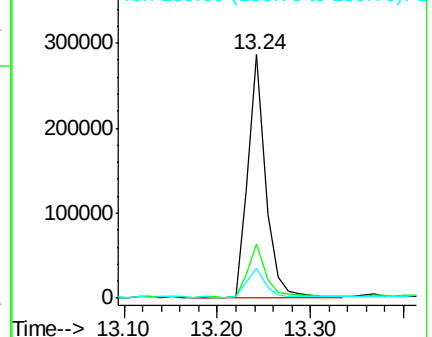
139 12.4 9.3 13.9

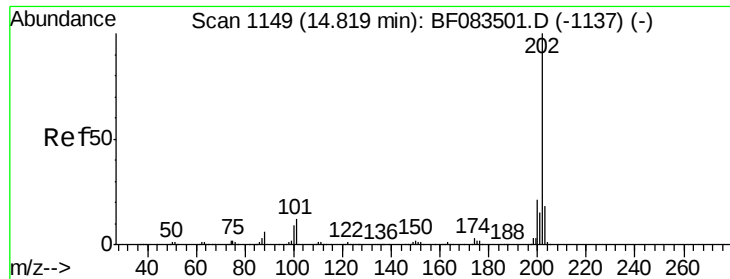


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 106.39 ng

RT: 14.83 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampleId :

S34-15.5

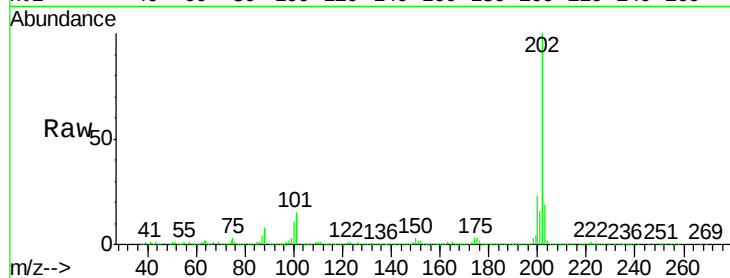
Tgt Ion:202 Resp: 3571034

Ion Ratio Lower Upper

202 100

101 14.6 0.0 31.5

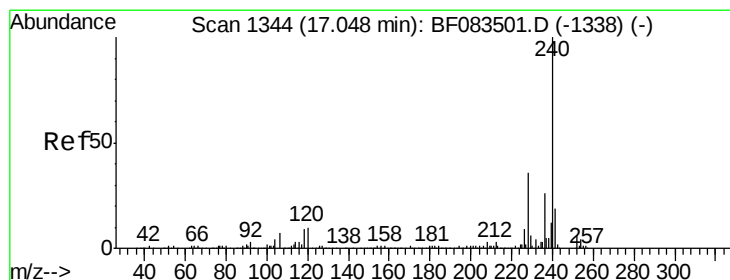
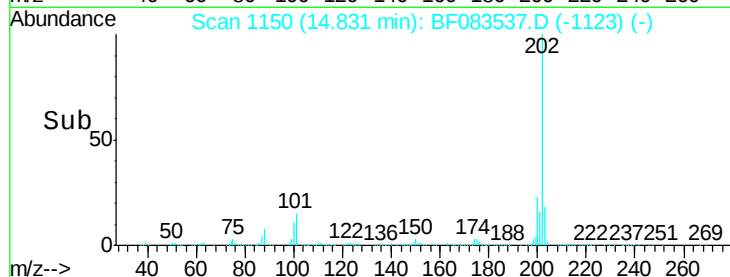
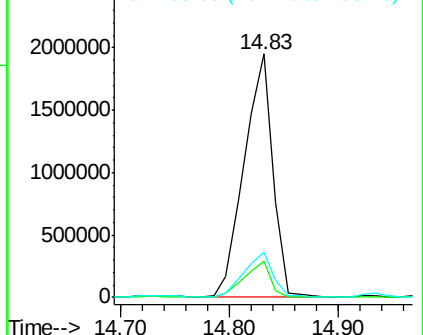
203 18.6 0.0 37.6



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: 17.03 min Scan# 1342

Delta R.T. -0.02 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

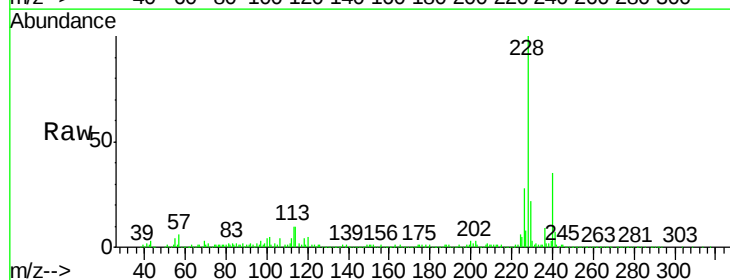
Tgt Ion:240 Resp: 372052

Ion Ratio Lower Upper

240 100

120 14.2 8.1 12.1#

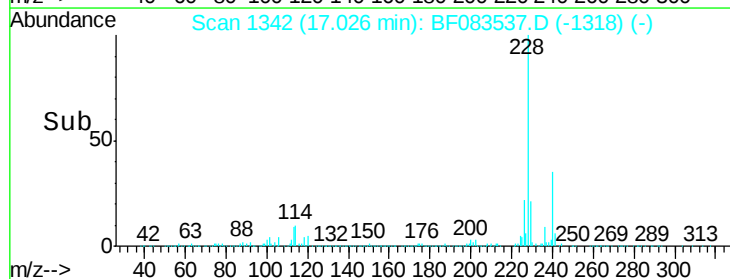
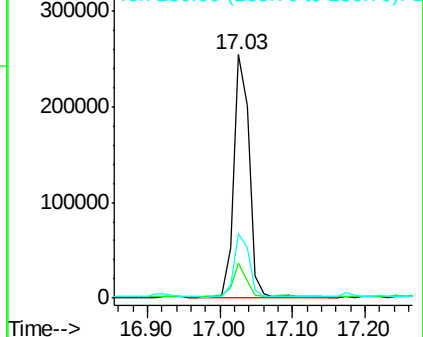
236 26.3 20.8 31.2

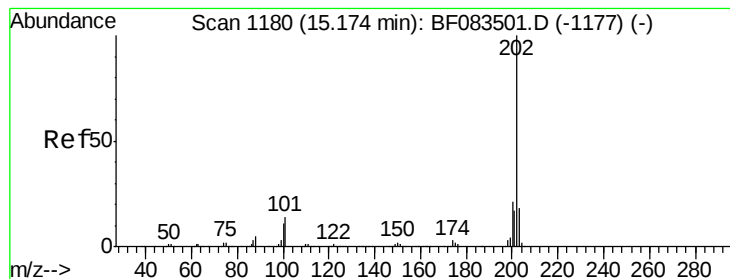


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 110.82 ng

RT: 15.17 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampleId :

S34-15.5

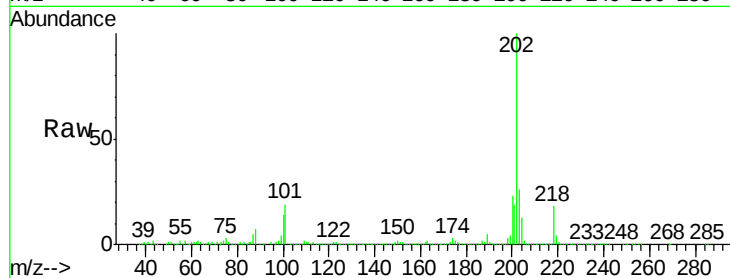
Tgt Ion:202 Resp: 3084397

Ion Ratio Lower Upper

202 100

200 22.6 16.7 25.1

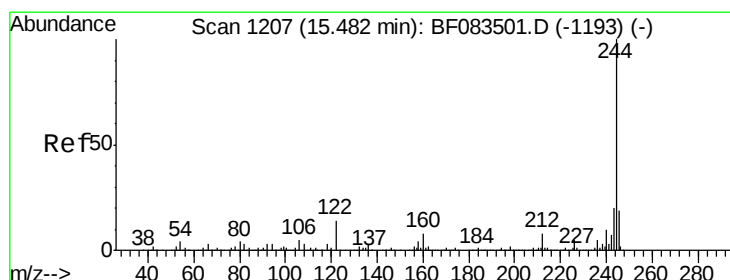
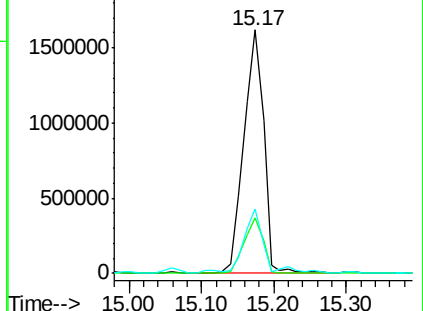
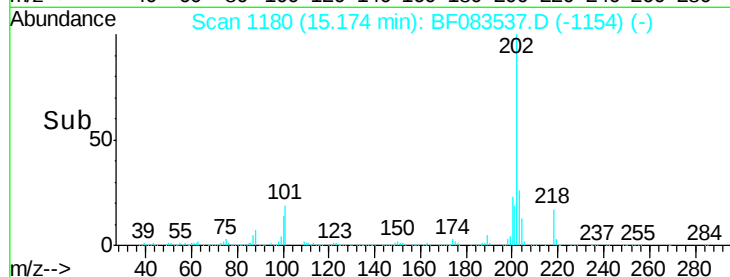
203 26.3 14.3 21.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 81.24 ng

RT: 15.47 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

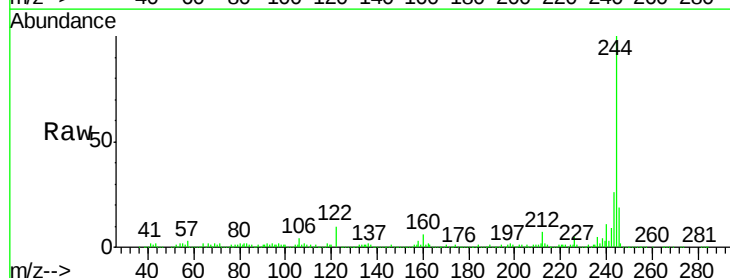
Tgt Ion:244 Resp: 1358305

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

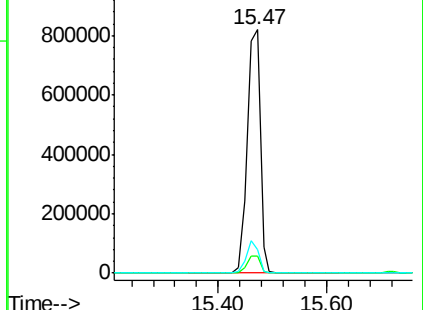
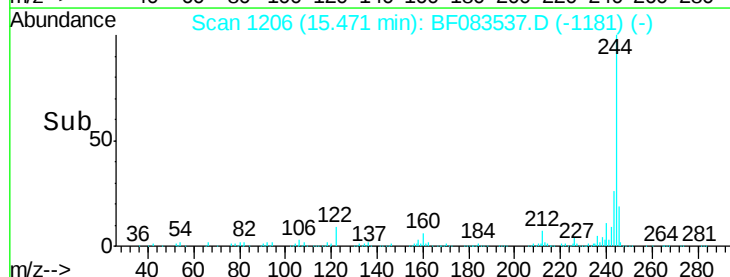
122 9.6 11.0 16.6#

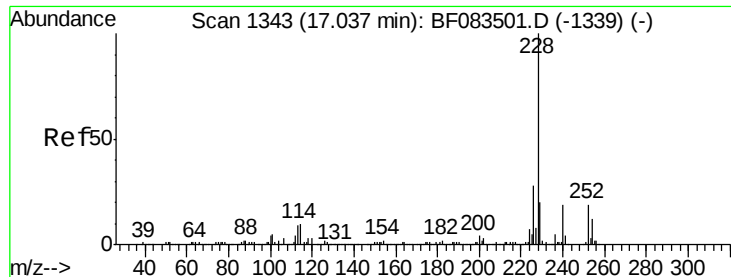


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 65.49 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampled :

S34-15.5

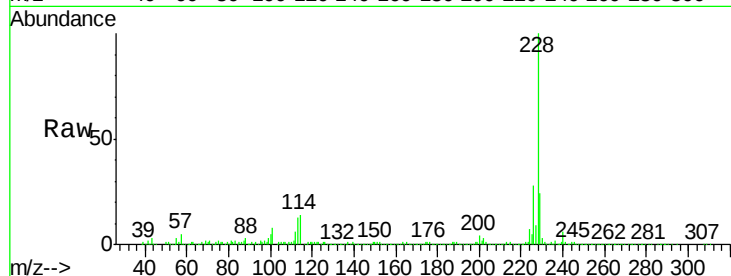
Tgt Ion:228 Resp: 1425552

Ion Ratio Lower Upper

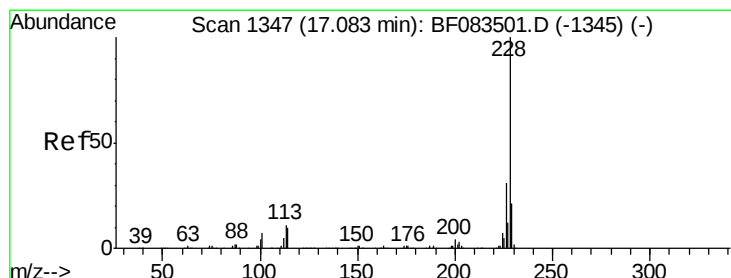
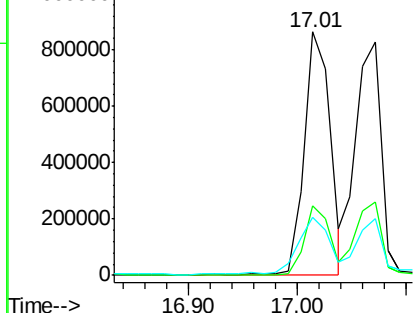
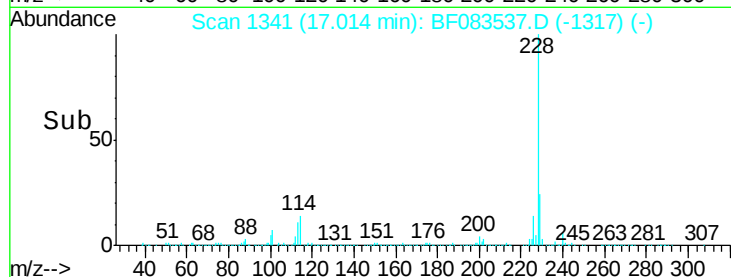
228 100

226 28.4 22.3 33.5

229 23.7 15.7 23.5#



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: 61.69 ng

RT: 17.07 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

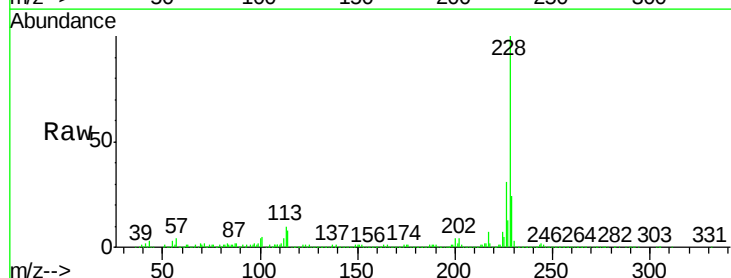
Tgt Ion:228 Resp: 1337701

Ion Ratio Lower Upper

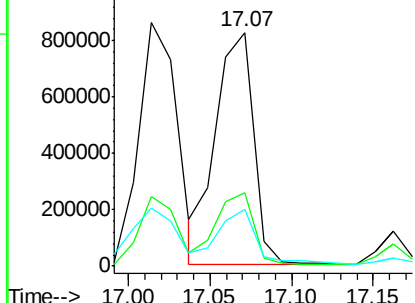
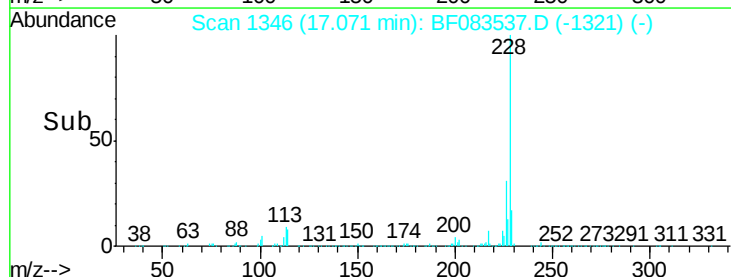
228 100

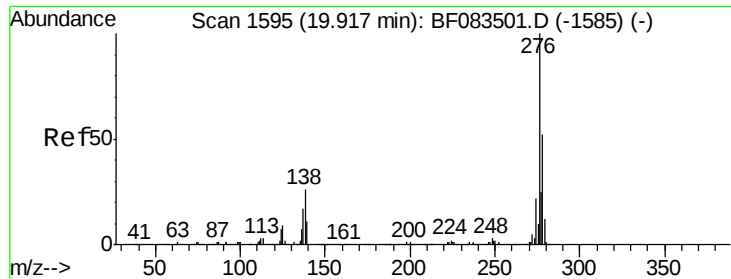
226 31.2 24.7 37.1

229 24.3 16.3 24.5



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: 34.29 ng

RT: 19.89 min Scan# 1593

Delta R.T. -0.02 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampleId :

S34-15.5

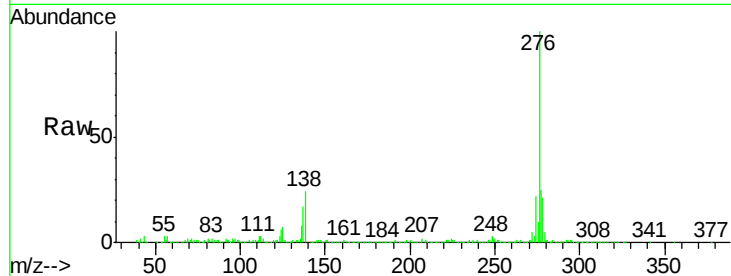
Tgt Ion:276 Resp: 637388

Ion Ratio Lower Upper

276 100

138 22.0 0.0 0.0#

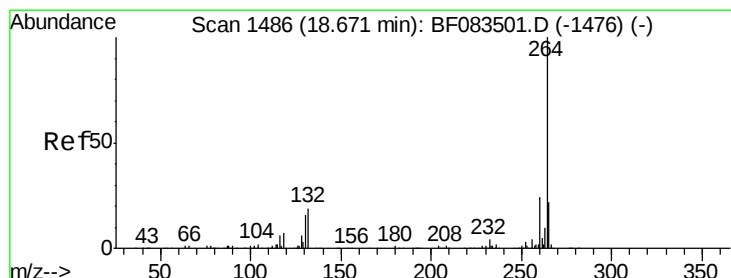
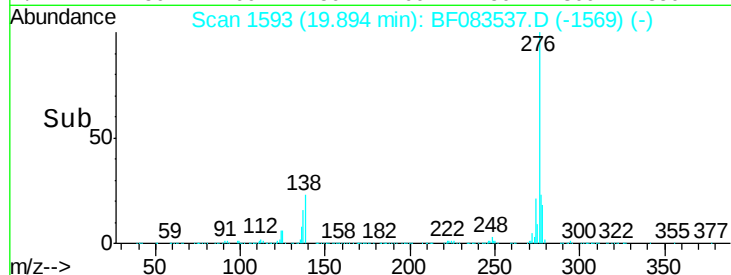
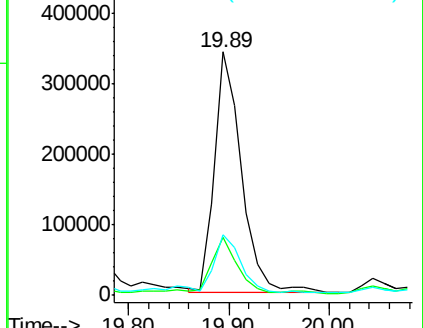
277 27.0 0.0 0.0#



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: 18.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

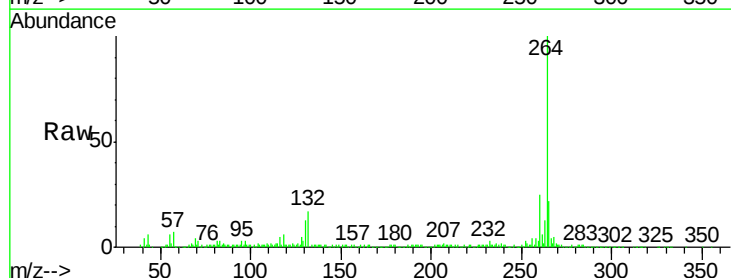
Tgt Ion:264 Resp: 380648

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.0

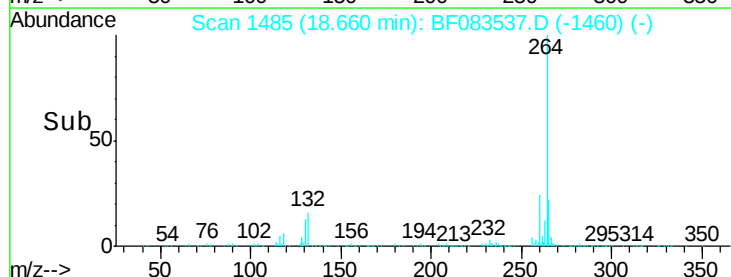
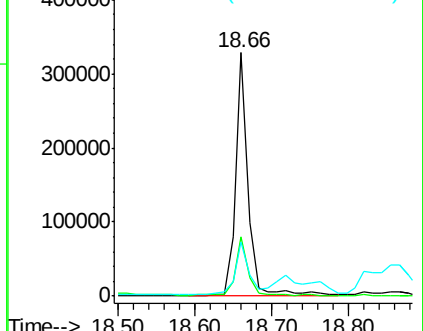
265 22.3 17.8 26.6

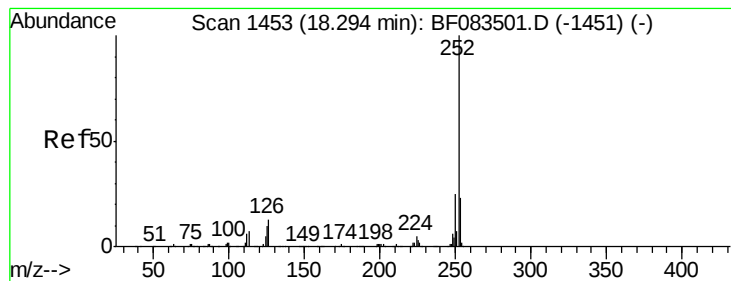


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.53 ng

RT: 18.39 min Scan# 1461

Delta R.T. 0.09 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampleId :

S34-15.5

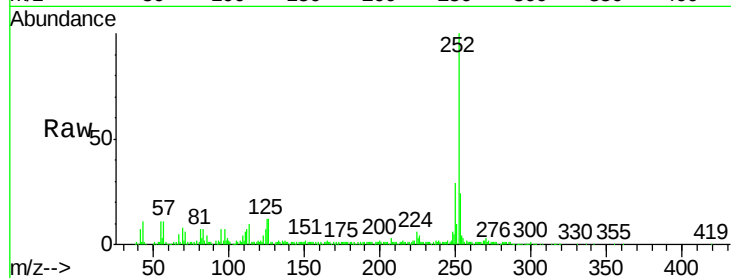
Tgt Ion:252 Resp: 203729

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.4

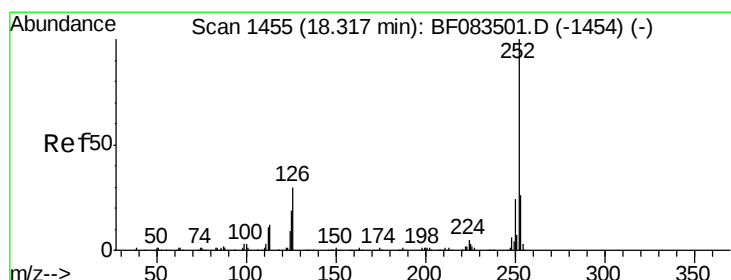
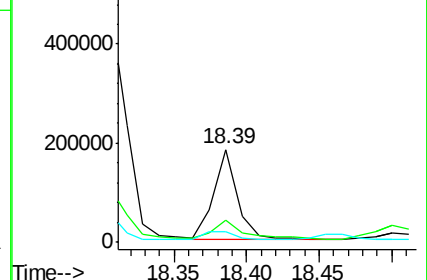
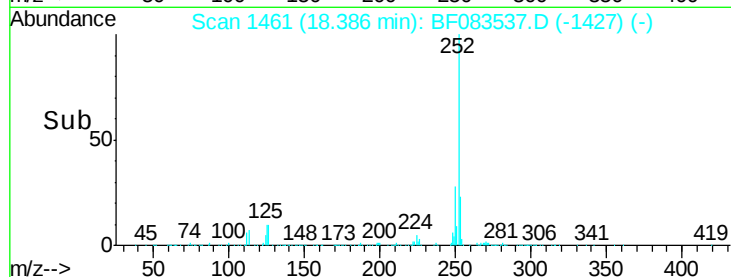
125 12.1 8.2 12.4



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



#88

Benzo(k)fluoranthene

Concen: 82.70 ng

RT: 18.28 min Scan# 1452

Delta R.T. -0.03 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

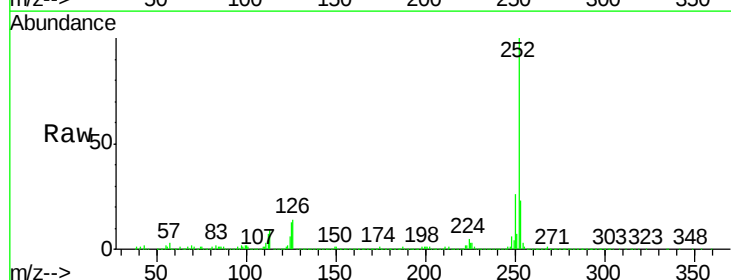
Tgt Ion:252 Resp: 1810969

Ion Ratio Lower Upper

252 100

253 22.7 18.6 27.8

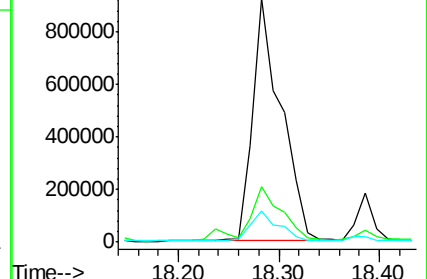
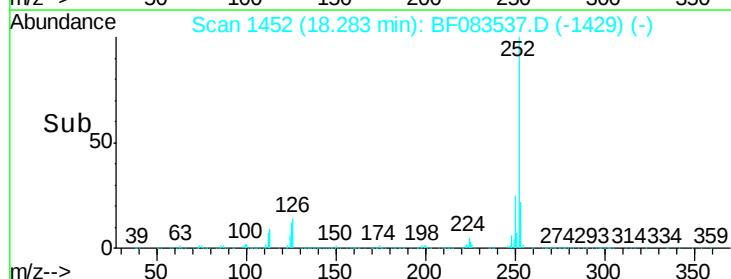
125 12.9 11.5 17.3

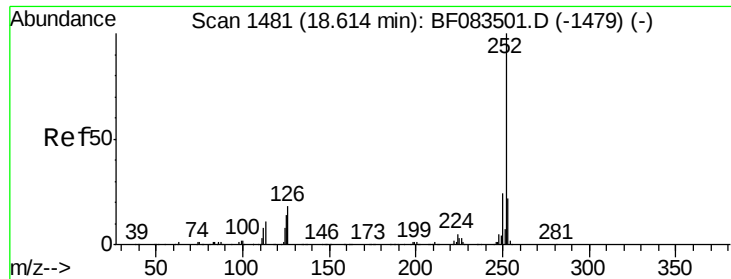


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 48.83 ng

RT: 18.60 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampled :

S34-15.5

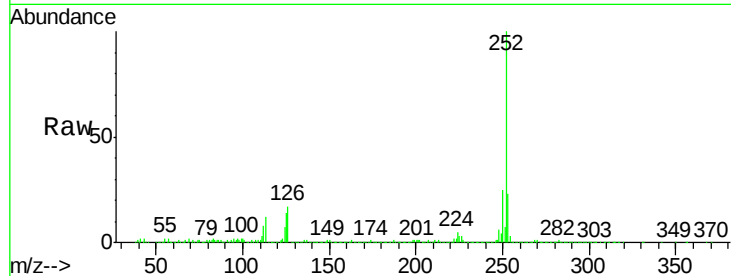
Tgt Ion:252 Resp: 1015287

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

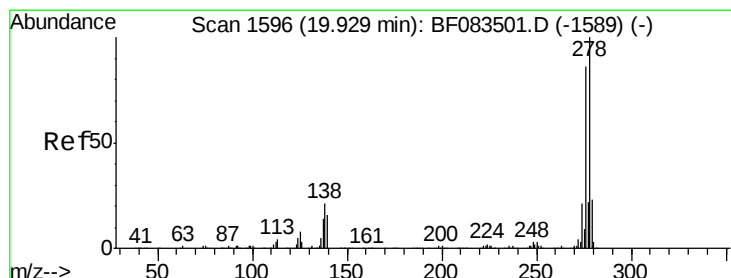
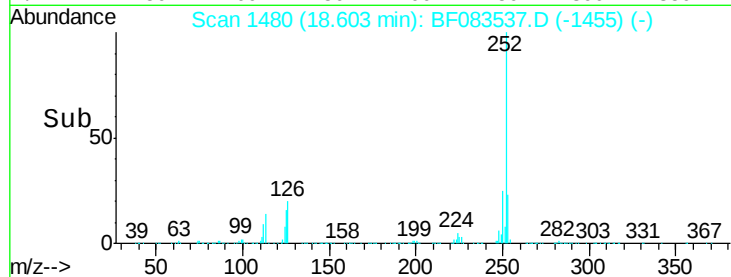
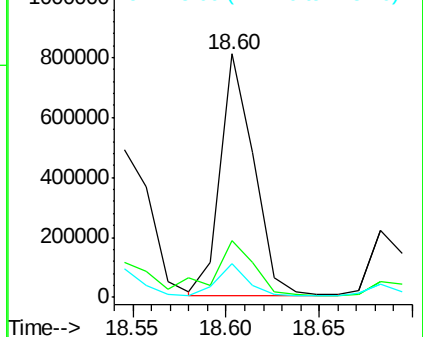
125 13.8 11.0 16.6



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



#90

Dibenzo(a,h)anthracene

Concen: 8.77 ng

RT: 19.91 min Scan# 1594

Delta R.T. -0.02 min

Lab File: BF083537.D

Acq: 7 Dec 2015 1:47

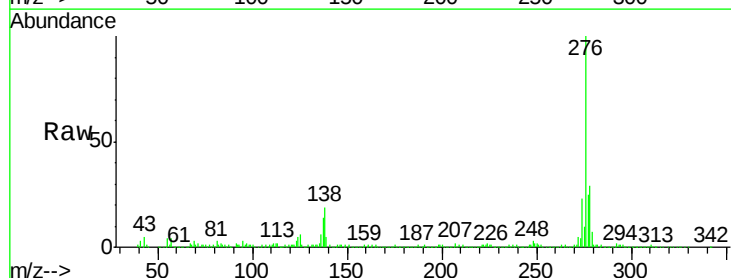
Tgt Ion:278 Resp: 175394

Ion Ratio Lower Upper

278 100

139 15.7 12.8 19.2

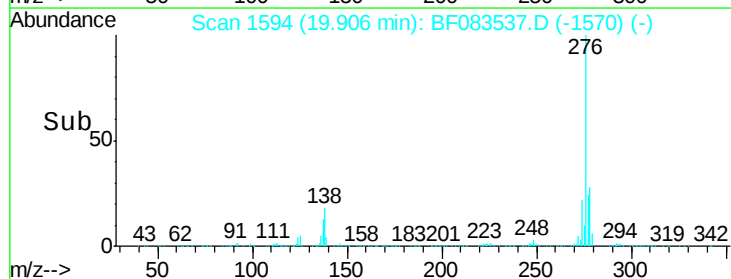
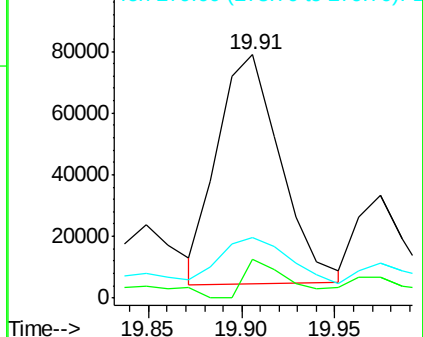
279 24.9 18.6 28.0

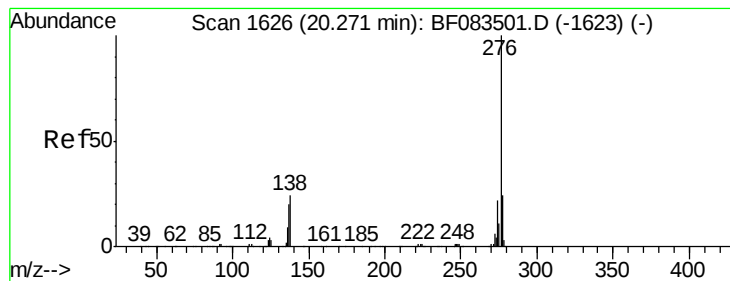


Abundance Ion 278.00 (277.70 to 278.70): E

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: 30.43 ng

RT: 20.26 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BF083537.D

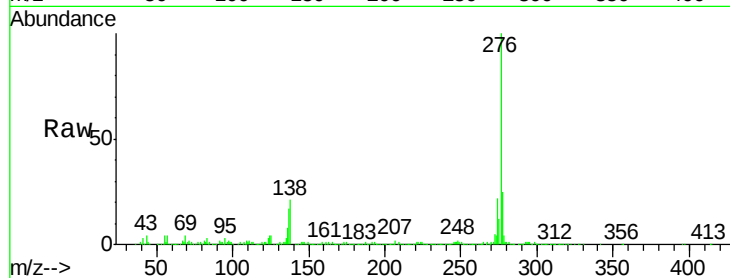
Acq: 7 Dec 2015 1:47

Instrument :

BNA_G

ClientSampleId :

S34-15.5



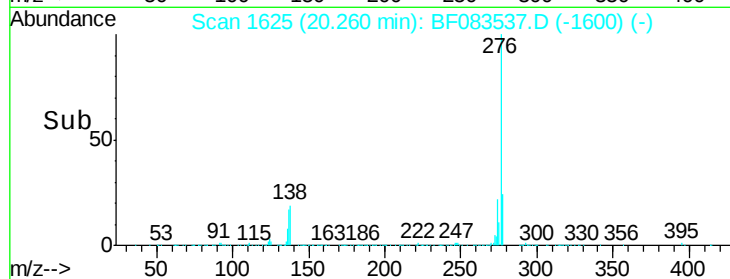
Tgt Ion: 276 Resp: 613461

Ion Ratio Lower Upper

276 100

277 24.8 19.2 28.8

138 20.9 19.5 29.3



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

