

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110415\
 Data File : BF082681.D
 Acq On : 4 Nov 2015 3:40
 Operator : UM/IZ
 Sample : G4235-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20151026MGP207BRV40

Quant Time: Nov 04 06:04:11 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	202562	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	747223	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	357182	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	699376	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	490386	20.00	ng	-0.01
86) Perylene-d12	15.48	264	423945	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	867797	64.52	ng	0.01
7) Phenol-d6	6.50	99	650872	36.43	ng	-0.01
23) Nitrobenzene-d5	7.44	82	1437471	78.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	589243	150.74	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	2328641	92.56	ng	-0.01
78) Terphenyl-d14	12.99	244	2019465	90.12	ng	-0.01

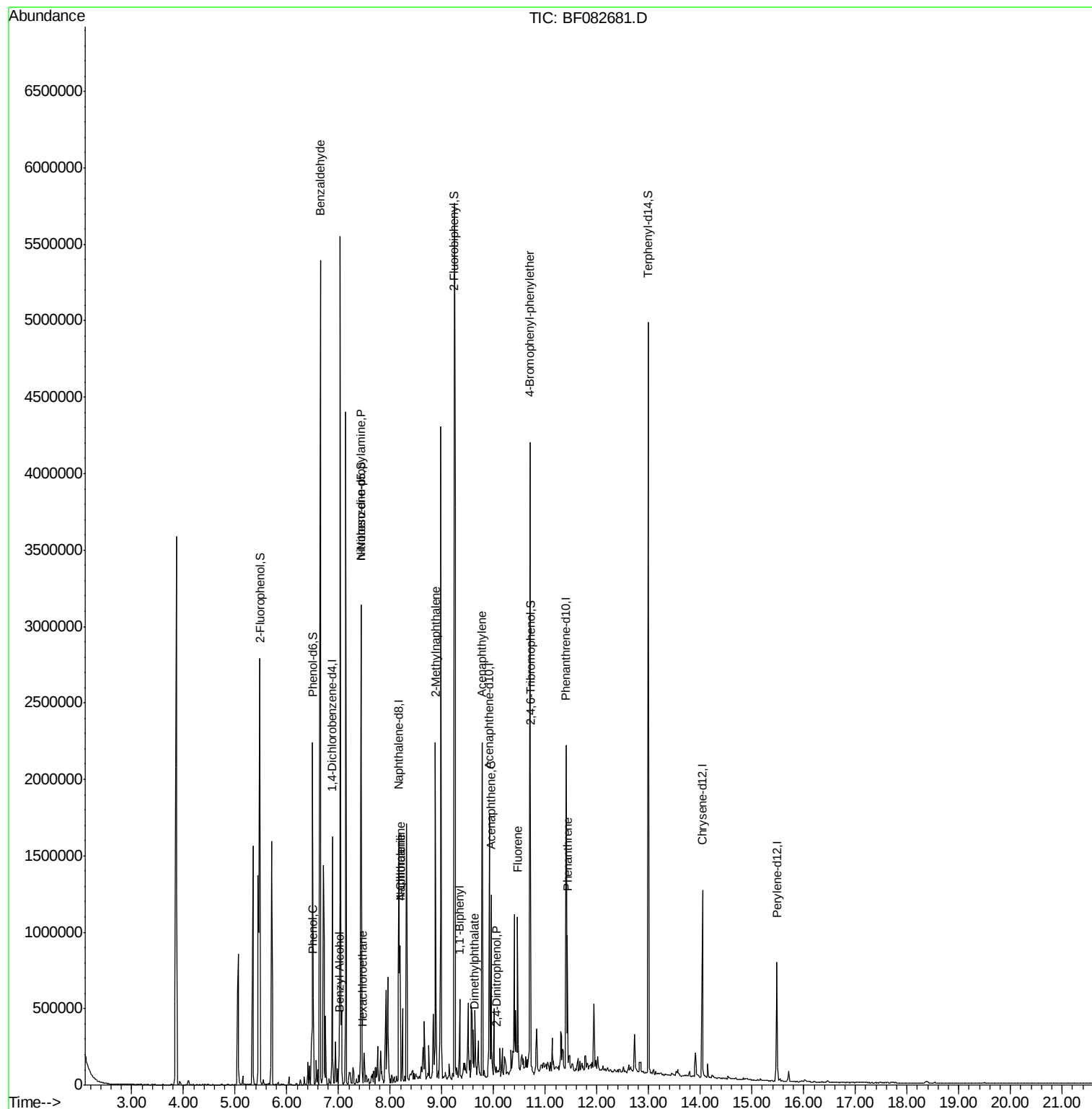
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	44655	3.66	ng	89
10) Phenol	6.51	94	62678	3.10	ng	99
15) Benzyl Alcohol	7.01	79	57534	3.45	ng	96
18) Hexachloroethane	7.46	117	45272	7.05	ng	# 12
19) n-Nitroso-di-n-propylamine	7.44	70	193515	14.29	ng	# 74
31) Naphthalene	8.19	128	501430	12.40	ng	97
33) 4-Chloroaniline	8.19	127	68337	3.96	ng	# 31
37) 2-Methylnaphthalene	8.88	142	518728	19.80	ng	98
45) 1,1'-Biphenyl	9.34	154	153092	5.07	ng	95
48) Acenaphthylene	9.78	152	740847	19.66	ng	99
49) Dimethylphthalate	9.63	163	58950	2.02	ng	99
51) Acenaphthene	9.95	154	222209	9.29	ng	97
53) 2,4-Dinitrophenol	10.06	184	820	6.92	ng	# 9
57) Fluorene	10.46	166	282376	10.78	ng	100
66) 4-Bromophenyl-phenylether	10.70	248	36637	4.62	ng	# 1
70) Phenanthrene	11.42	178	294582	7.47	ng	95

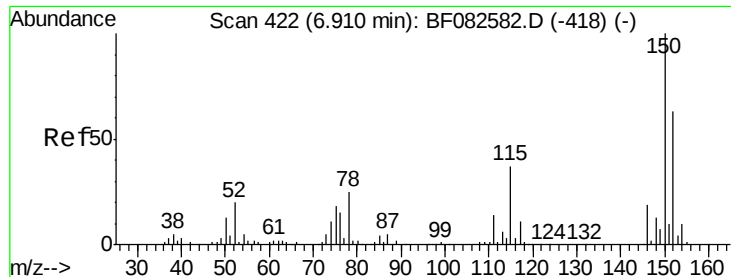
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

Instrument :

BNA_F

ClientSampleId :

20151026MGP207BRV40

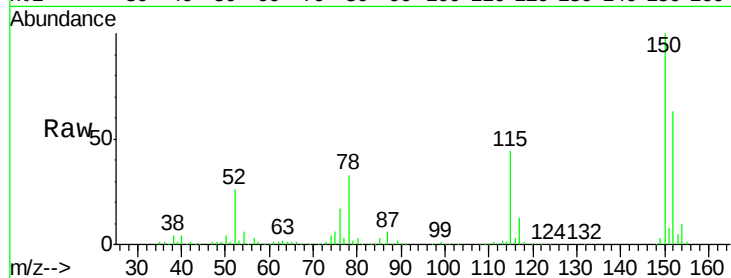
Tgt Ion:152 Resp: 202562

Ion Ratio Lower Upper

152 100

150 158.3 127.0 190.4

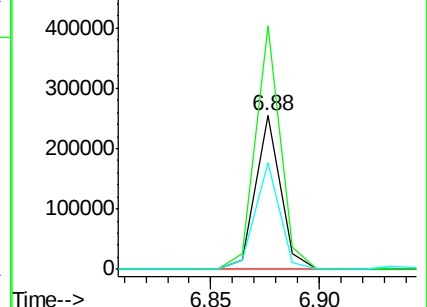
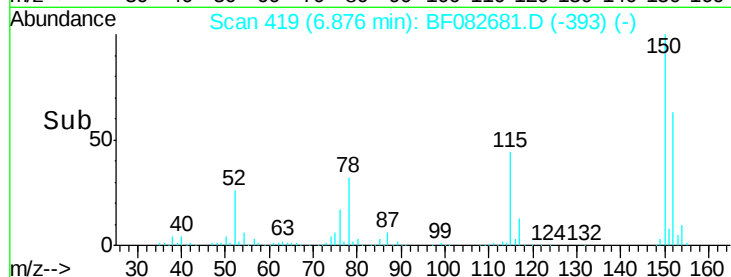
115 69.8 47.0 70.6



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: 64.52 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.01 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

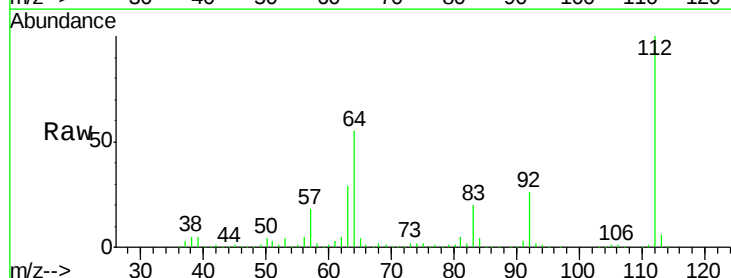
Tgt Ion:112 Resp: 867797

Ion Ratio Lower Upper

112 100

64 55.0 48.9 73.3

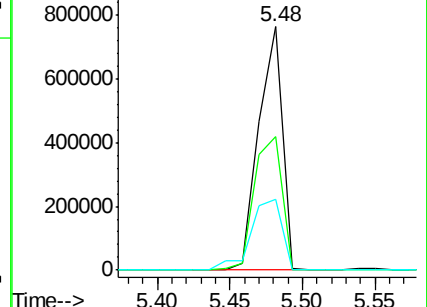
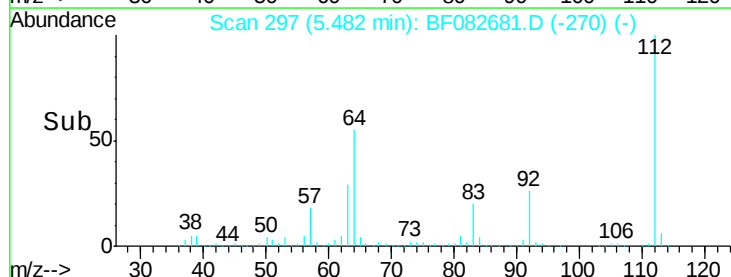
63 29.1 28.1 42.1



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: 36.43 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

Instrument :

BNA_F

ClientSampleId :

20151026MGP207BRV40

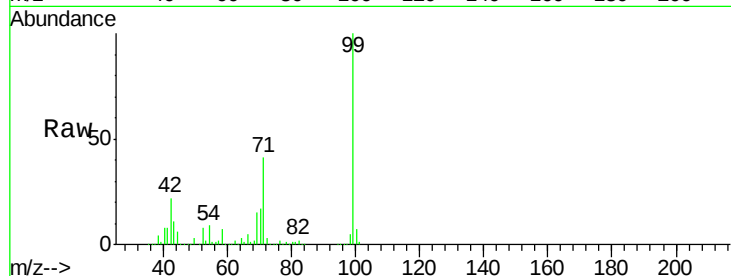
Tgt Ion: 99 Resp: 650872

Ion Ratio Lower Upper

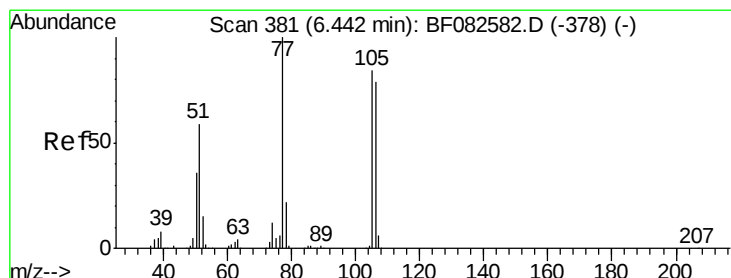
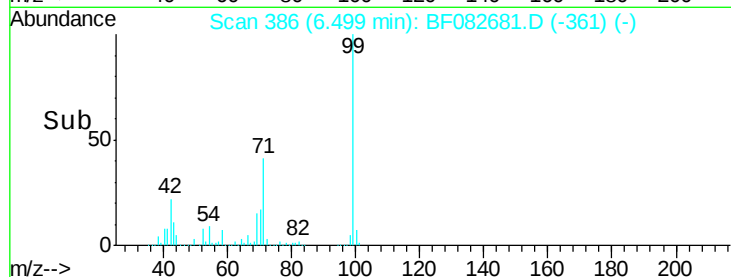
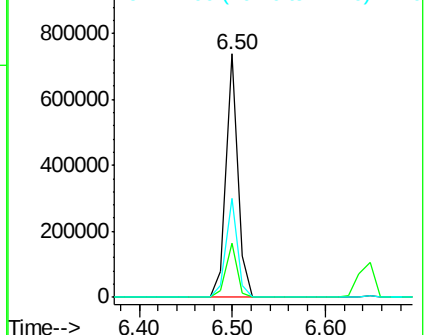
99 100

42 22.4 19.2 28.8

71 40.9 35.0 52.4



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



#9

Benzaldehyde

Concen: 3.66 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

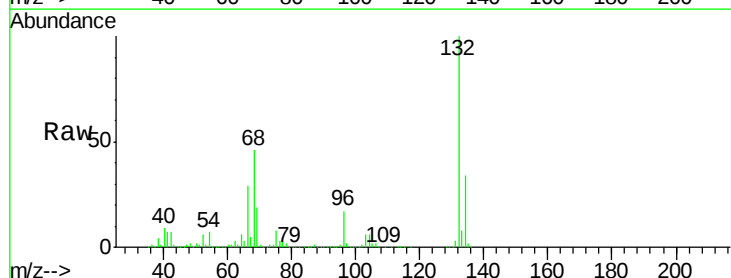
Tgt Ion: 77 Resp: 44655

Ion Ratio Lower Upper

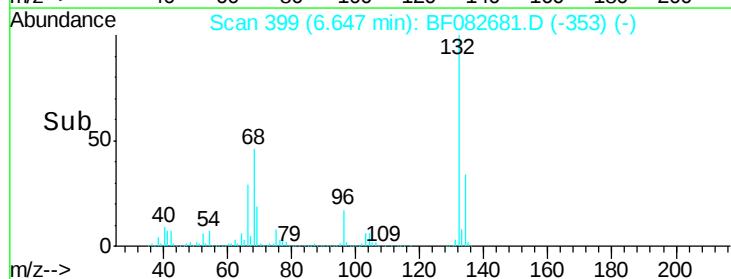
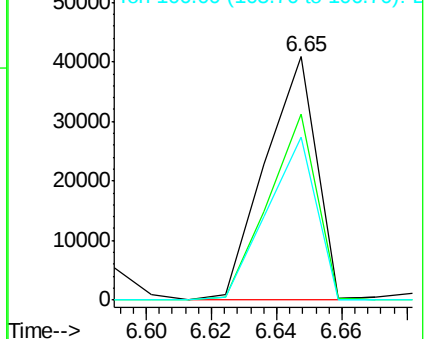
77 100

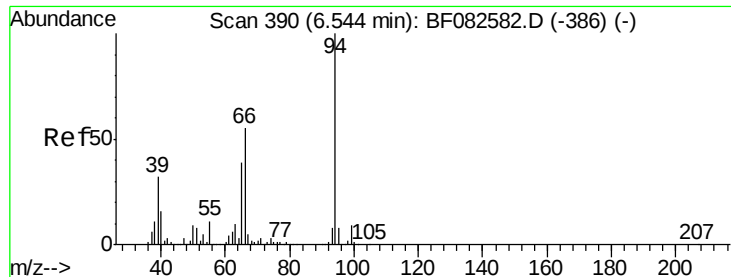
105 76.7 63.5 103.5

106 66.9 59.3 99.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 3.10 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

Instrument :

BNA_F

ClientSampleId :

20151026MGP207BRV40

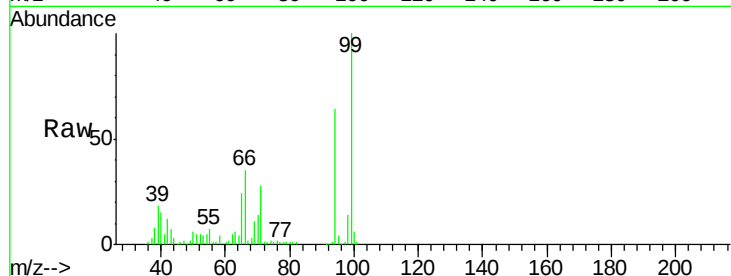
Tgt Ion: 94 Resp: 62678

Ion Ratio Lower Upper

94 100

65 37.2 18.9 58.9

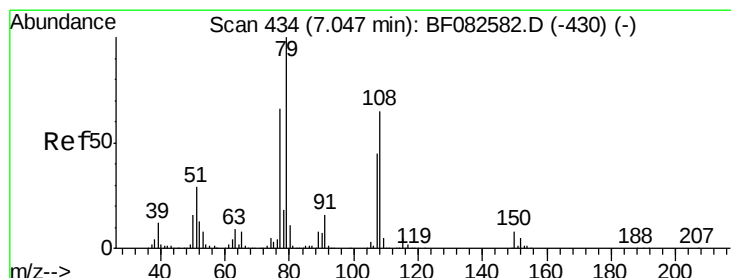
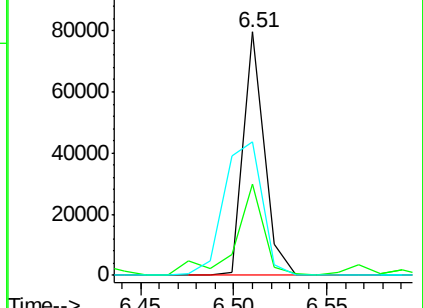
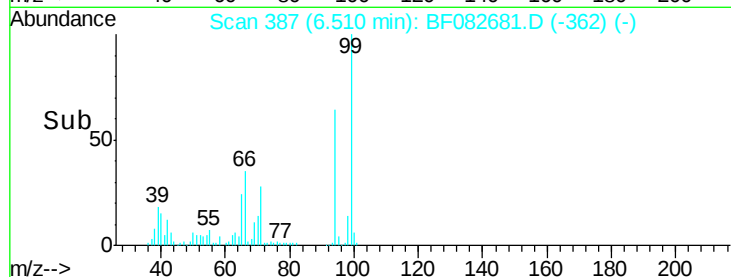
66 54.7 34.9 74.9



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#15

Benzyl Alcohol

Concen: 3.45 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

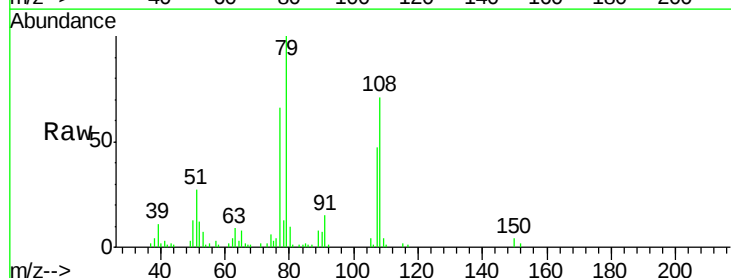
Tgt Ion: 79 Resp: 57534

Ion Ratio Lower Upper

79 100

108 70.8 52.2 78.4

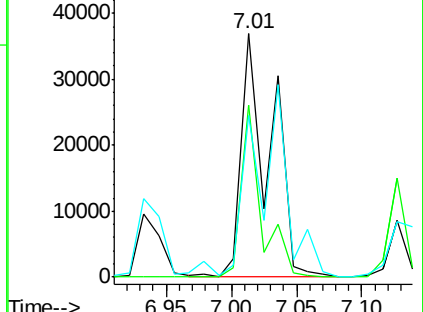
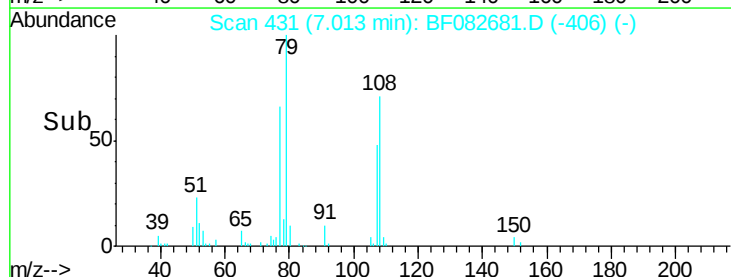
77 66.4 52.7 79.1

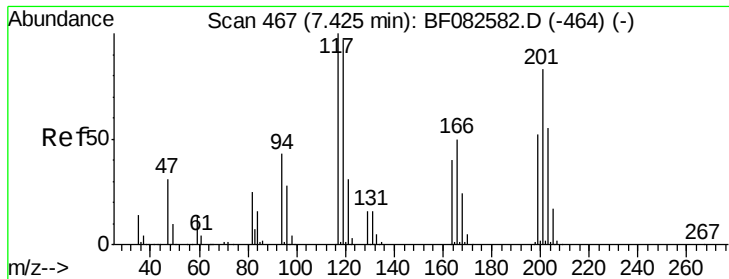


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 7.05 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.06 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

Instrument :

BNA_F

ClientSampleId :

20151026MGP207BRV40

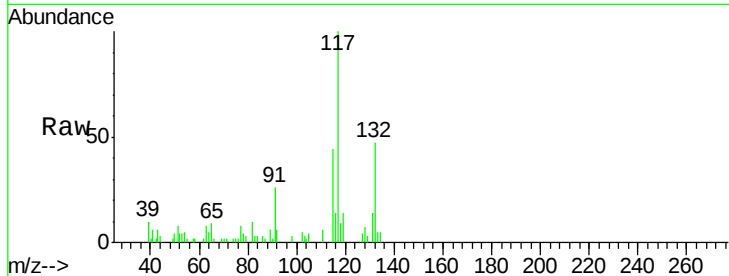
Tgt Ion:117 Resp: 45272

Ion Ratio Lower Upper

117 100

119 13.9 77.7 116.5#

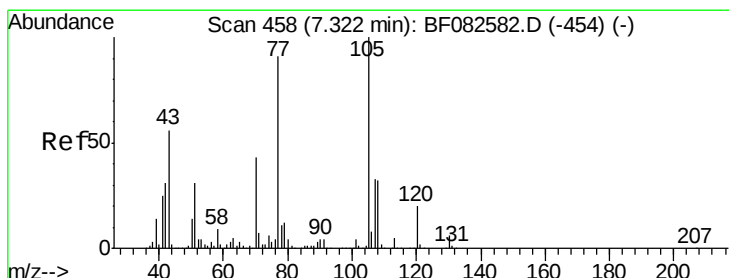
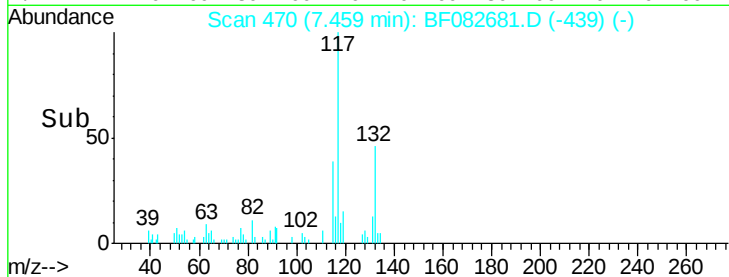
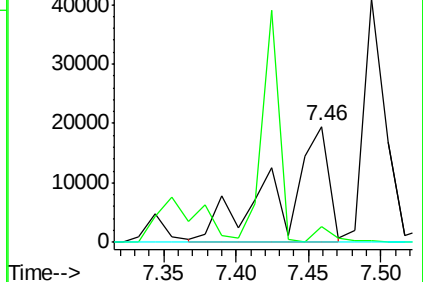
201 0.0 66.7 100.1#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 14.29 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

Tgt Ion: 70 Resp: 193515

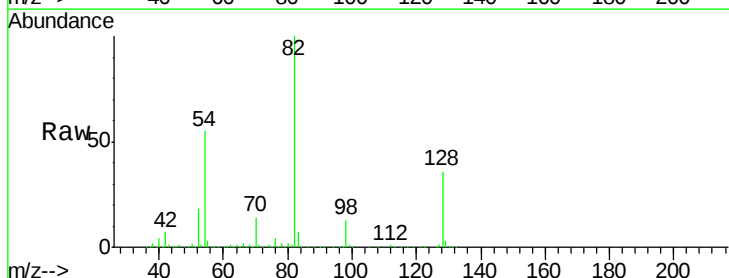
Ion Ratio Lower Upper

70 100

42 50.6 57.7 86.5#

101 0.0 7.0 10.6#

130 1.9 11.8 17.6#

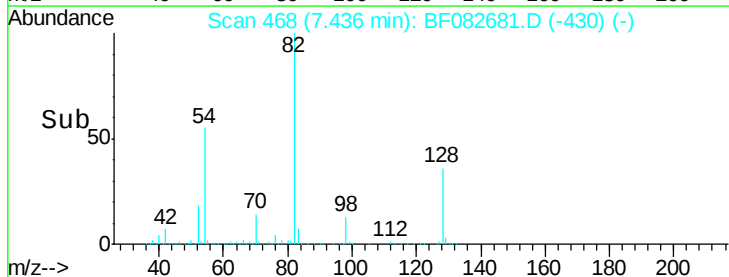
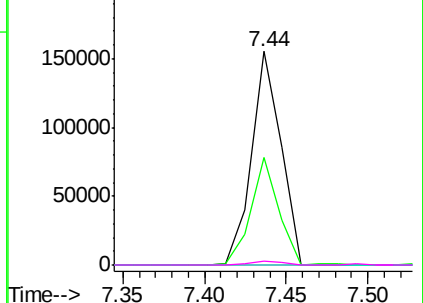


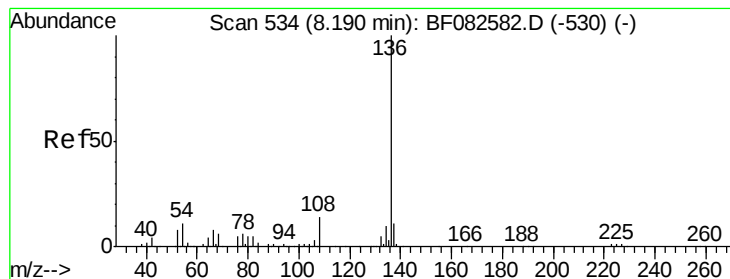
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

Instrument :

BNA_F

ClientSampleId :

20151026MGP207BRV40

Tgt Ion: 136 Resp: 747223

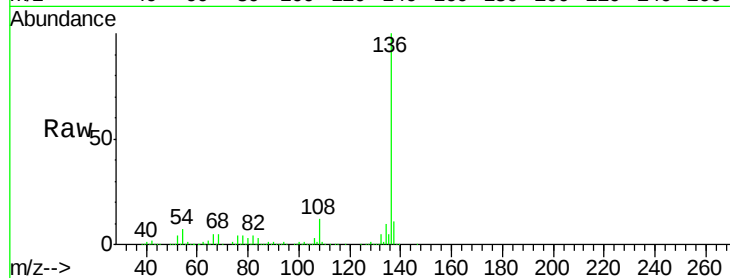
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.0 9.1 13.7#

68 4.5 4.8 7.2#

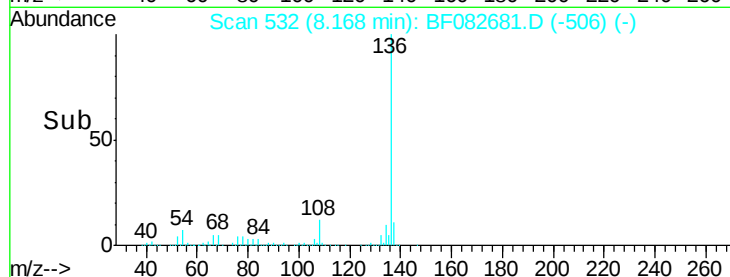


Abundance Ion 136.00 (135.70 to 136.70): E

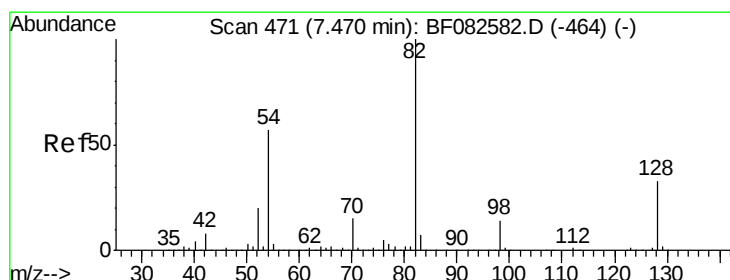
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.05 8.10 8.15 8.20



#23

Nitrobenzene-d5

Concen: 78.56 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.01 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

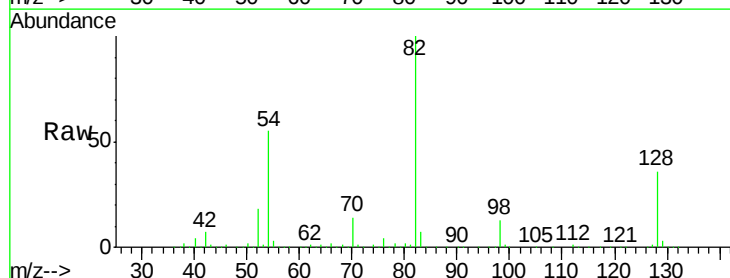
Tgt Ion: 82 Resp: 1437471

Ion Ratio Lower Upper

82 100

128 35.6 26.8 40.2

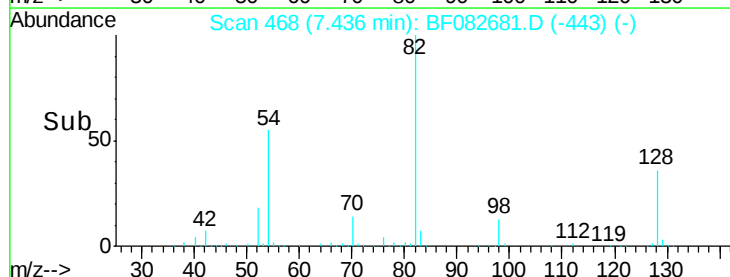
54 54.5 45.7 68.5



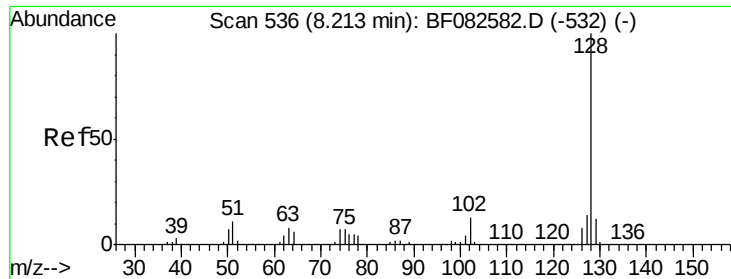
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



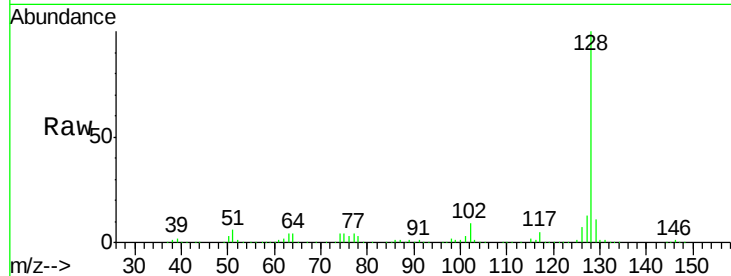
Time--> 7.40 7.50



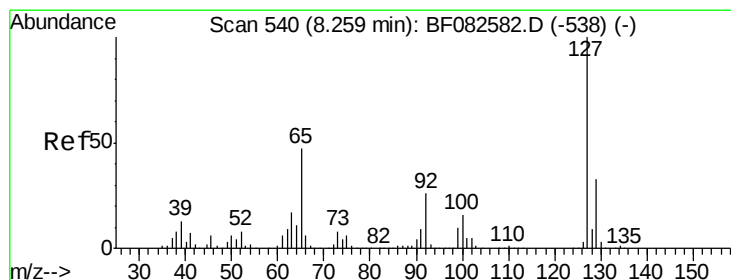
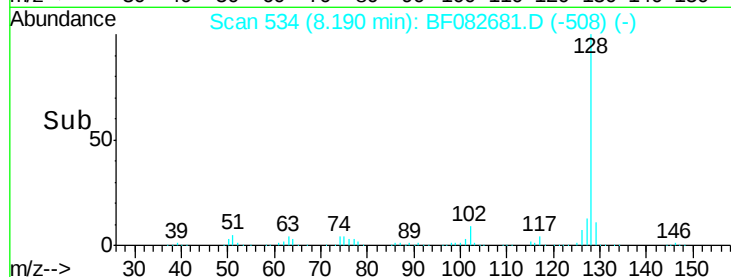
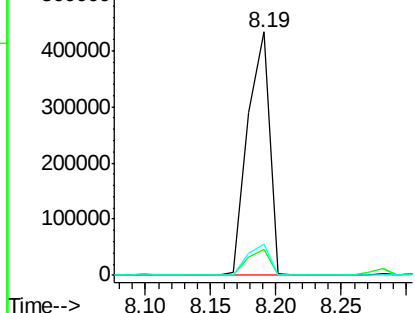
#31
Naphthalene
Concen: 12.40 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF082681.D
Acq: 4 Nov 2015 3:40

Instrument :
BNA_F
ClientSampleId :
20151026MGP207BRV40

Tgt Ion:128 Resp: 501430
Ion Ratio Lower Upper
128 100
129 10.9 9.5 14.3
127 12.9 11.4 17.0

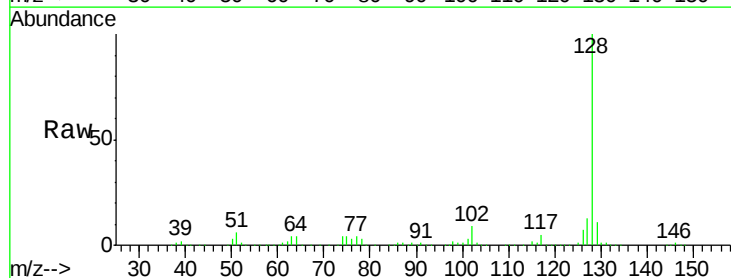


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

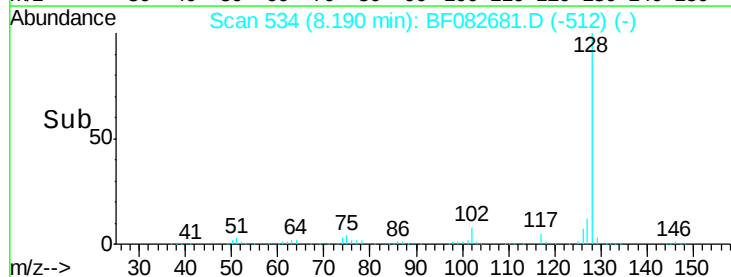
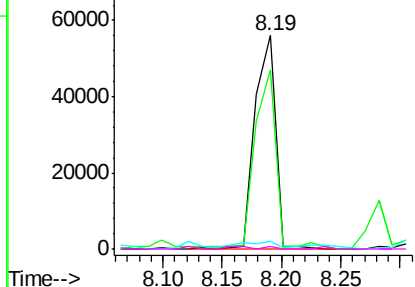


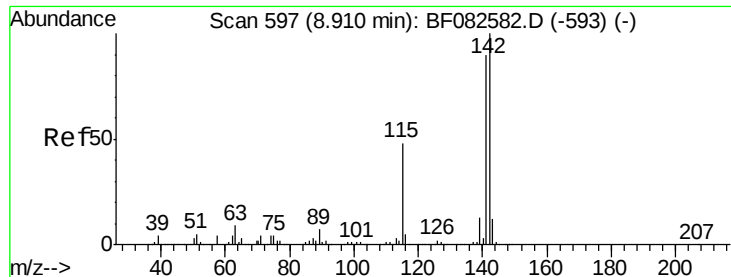
#33
4-Chloroaniline
Concen: 3.96 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.05 min
Lab File: BF082681.D
Acq: 4 Nov 2015 3:40

Tgt Ion:127 Resp: 68337
Ion Ratio Lower Upper
127 100
129 84.1 26.3 39.5#
65 3.5 37.8 56.8#
92 1.0 20.6 31.0#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

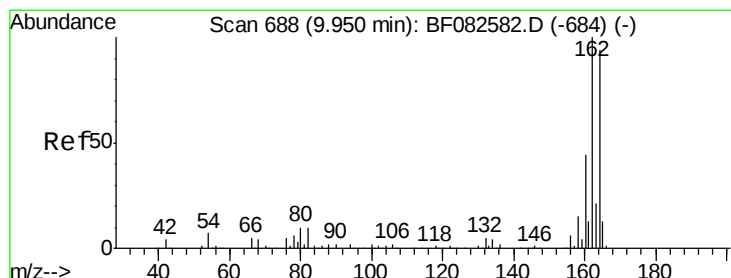
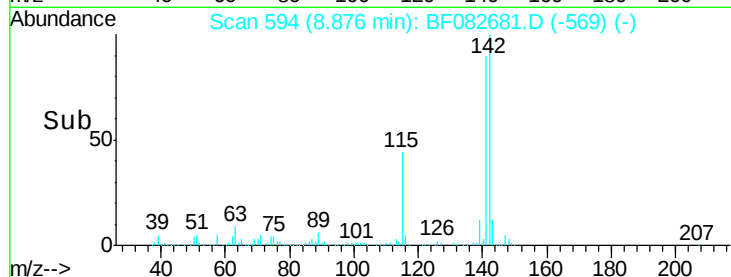
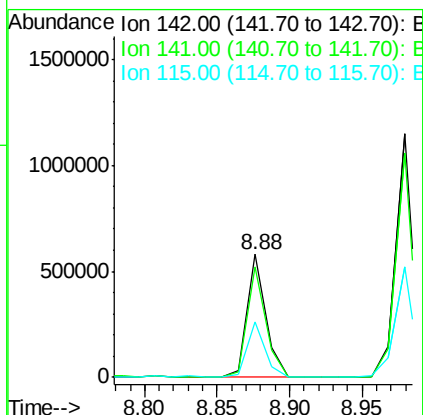
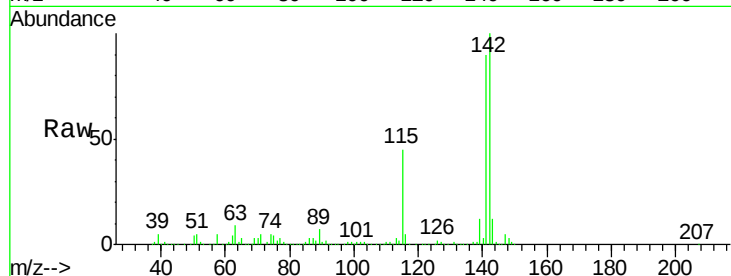




#37
2-Methylnaphthalene
Concen: 19.80 ng
RT: 8.88 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF082681.D
Acq: 4 Nov 2015 3:40

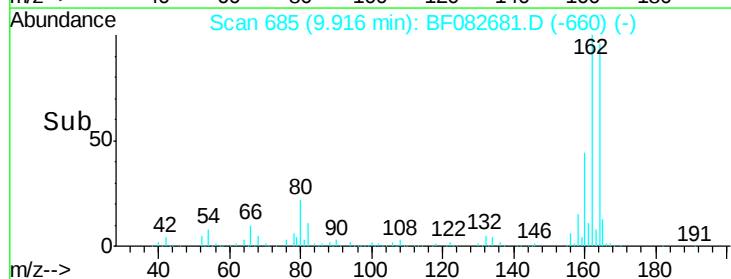
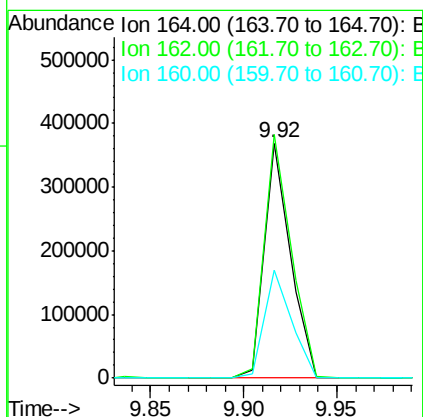
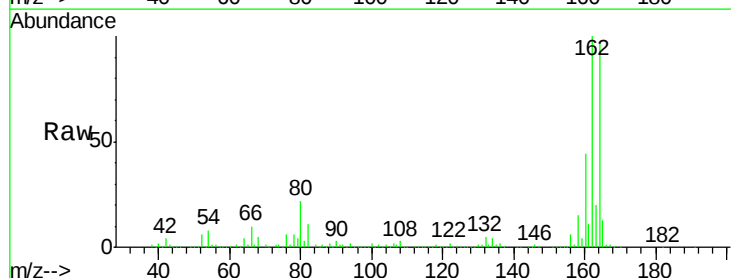
Instrument :
BNA_F
ClientSampleId :
20151026MGP207BRV40

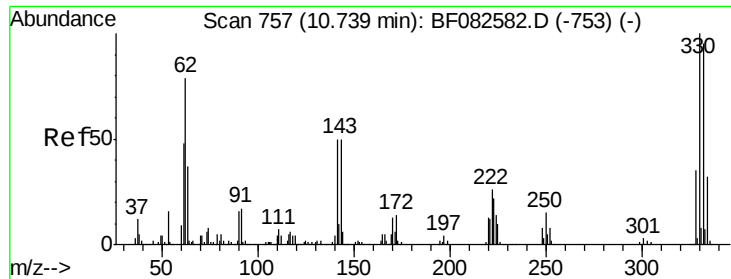
Tgt Ion:142 Resp: 518728
Ion Ratio Lower Upper
142 100
141 89.8 72.3 108.5
115 44.6 38.1 57.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF082681.D
Acq: 4 Nov 2015 3:40

Tgt Ion:164 Resp: 357182
Ion Ratio Lower Upper
164 100
162 103.5 84.9 127.3
160 45.9 37.5 56.3

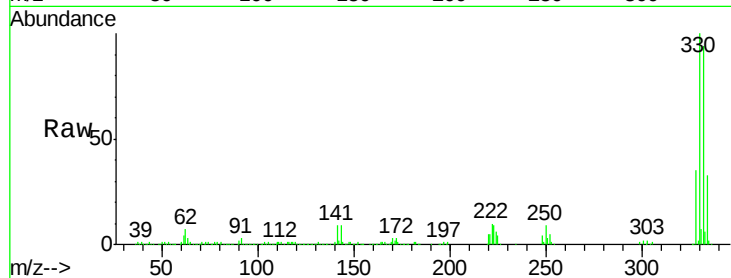




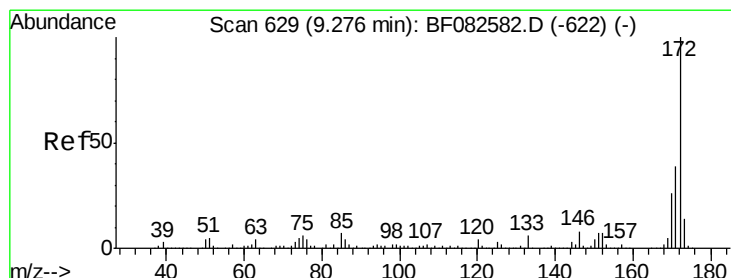
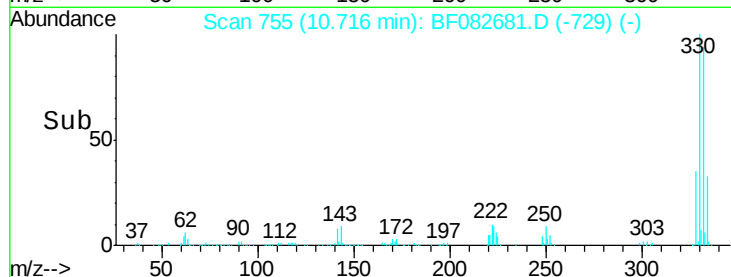
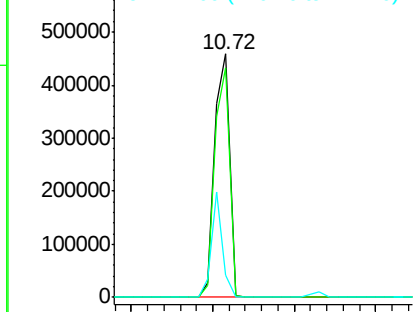
#41
 2,4,6-Tribromophenol
 Concen: 150.74 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: BF082681.D
 Acq: 4 Nov 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 20151026MGP207BRV40

Tgt Ion:330 Resp: 589243
 Ion Ratio Lower Upper
 330 100
 332 93.7 76.6 114.8
 141 32.1 41.2 61.8#

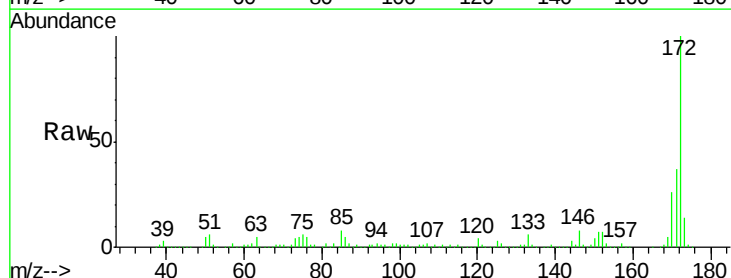


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

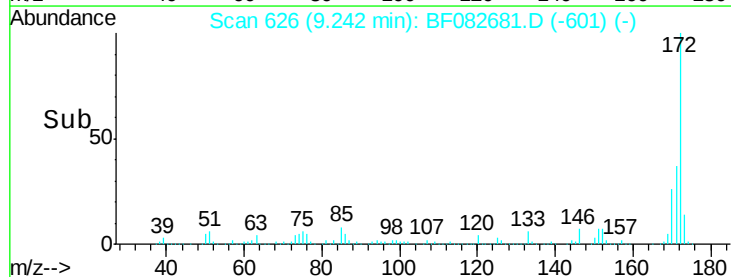
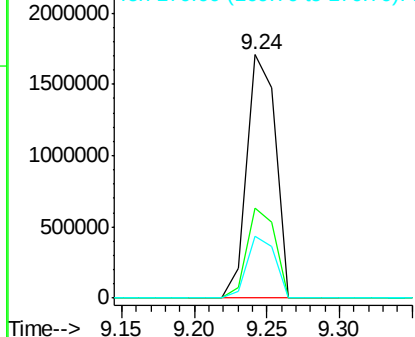


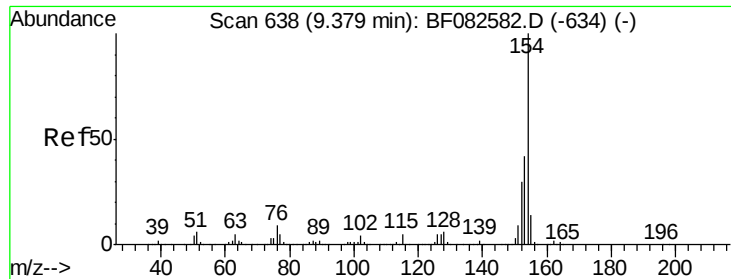
#44
 2-Fluorobiphenyl
 Concen: 92.56 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF082681.D
 Acq: 4 Nov 2015 3:40

Tgt Ion:172 Resp: 2328641
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.8 46.2
 170 25.6 21.2 31.8



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

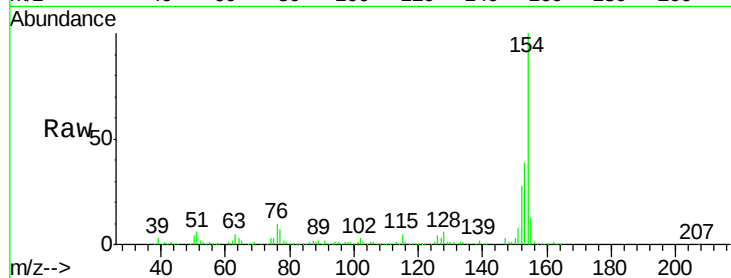




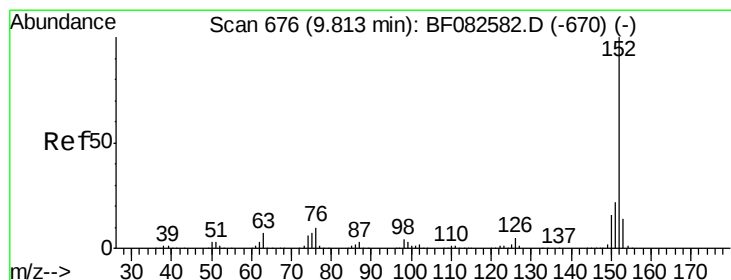
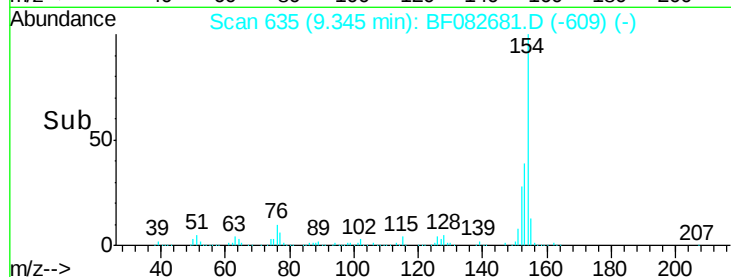
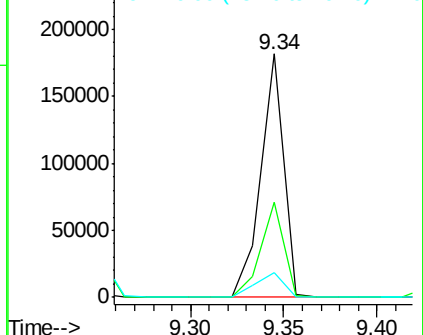
#45
1,1'-Biphenyl
Concen: 5.07 ng
RT: 9.34 min Scan# 635
Delta R.T. 0.00 min
Lab File: BF082681.D
Acq: 4 Nov 2015 3:40

Instrument :
BNA_F
ClientSampleId :
20151026MGP207BRV40

Tgt Ion:154 Resp: 153092
Ion Ratio Lower Upper
154 100
153 38.9 22.0 62.0
76 10.1 0.0 29.0

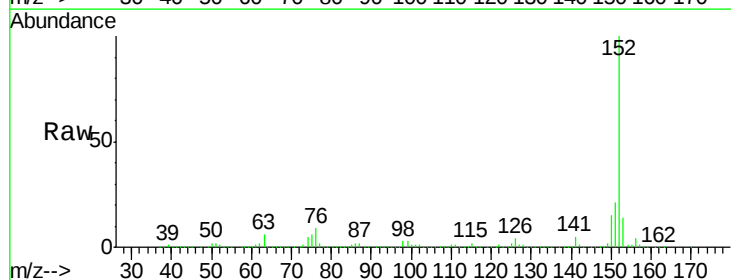


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

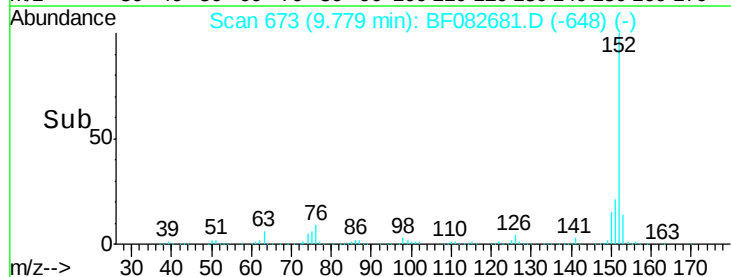
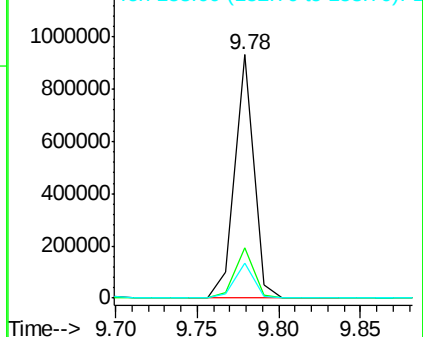


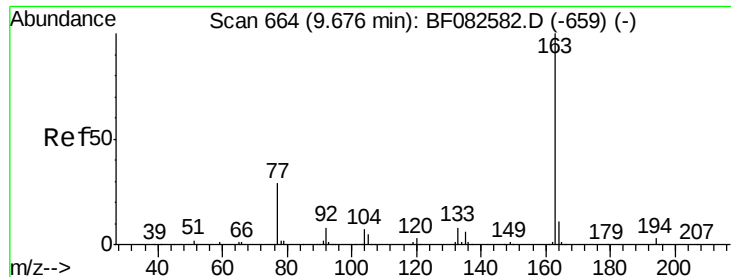
#48
Acenaphthylene
Concen: 19.66 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF082681.D
Acq: 4 Nov 2015 3:40

Tgt Ion:152 Resp: 740847
Ion Ratio Lower Upper
152 100
151 20.8 17.3 25.9
153 14.1 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

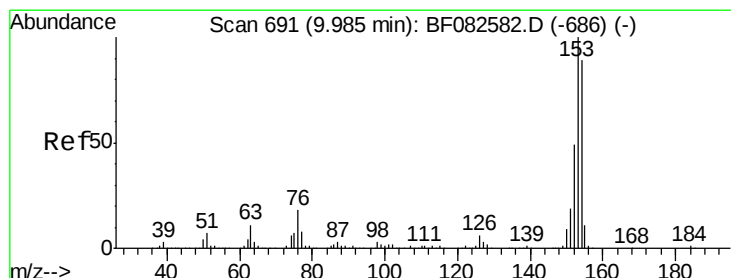
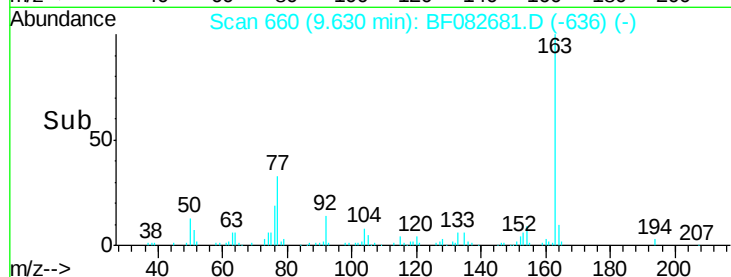
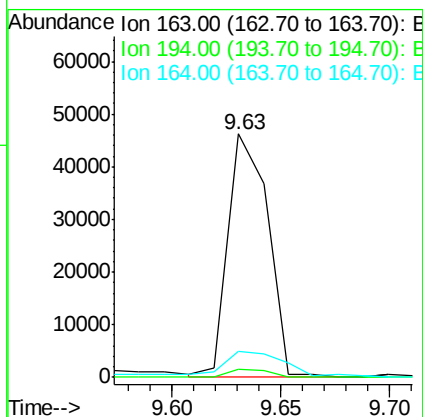
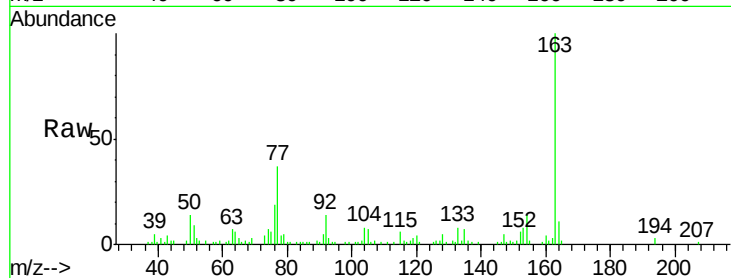




#49
Dimethylphthalate
Concen: 2.02 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF082681.D
Acq: 4 Nov 2015 3:40

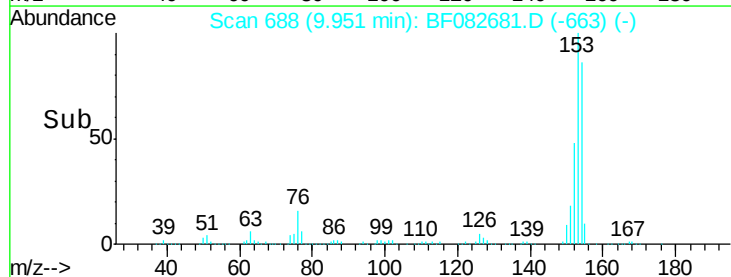
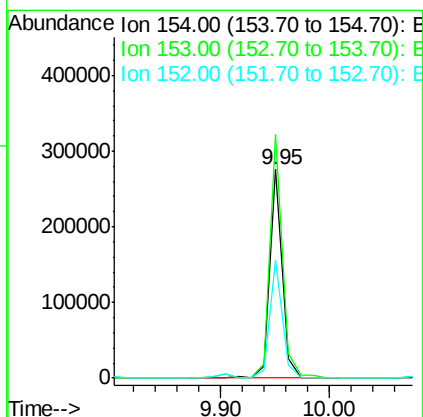
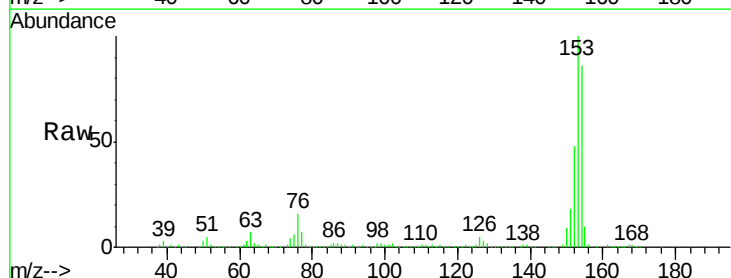
Instrument :
BNA_F
ClientSampleId :
20151026MGP207BRV40

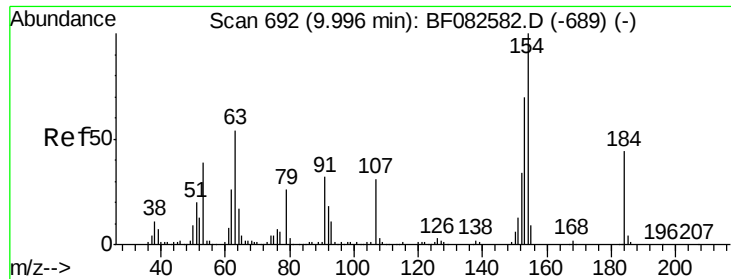
Tgt Ion:163 Resp: 58950
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.6 8.7 13.1



#51
Acenaphthene
Concen: 9.29 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF082681.D
Acq: 4 Nov 2015 3:40

Tgt Ion:154 Resp: 222209
Ion Ratio Lower Upper
154 100
153 116.8 90.1 135.1
152 56.5 44.3 66.5

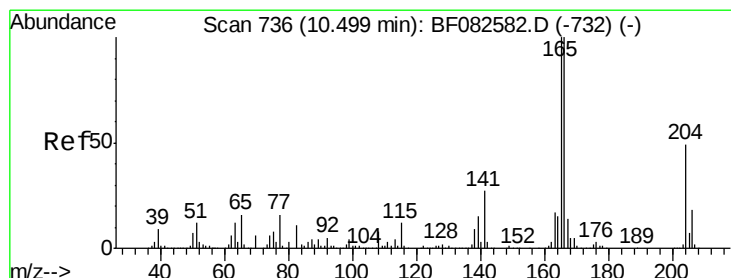
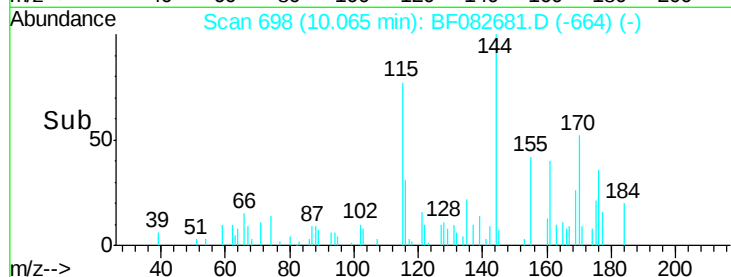
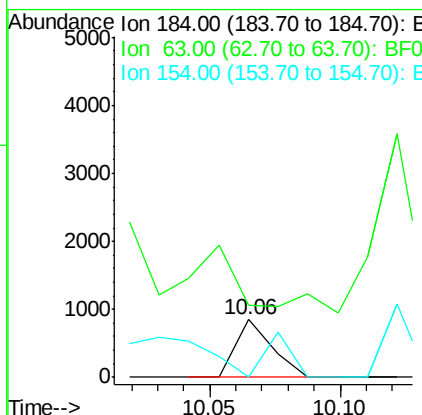
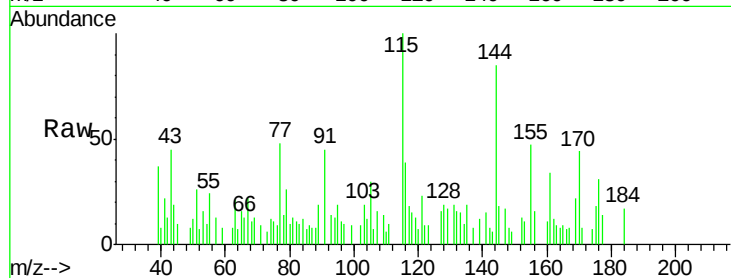




#53
2,4-Dinitrophenol
Concen: 6.92 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.09 min
Lab File: BF082681.D
Acq: 4 Nov 2015 3:40

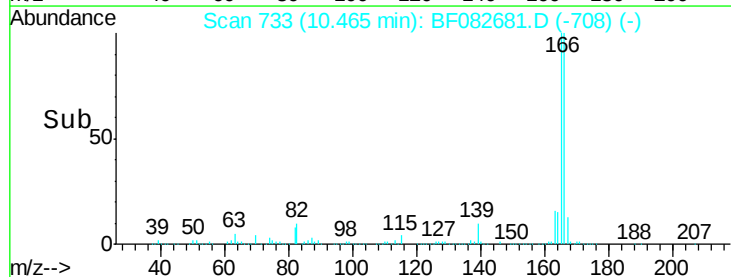
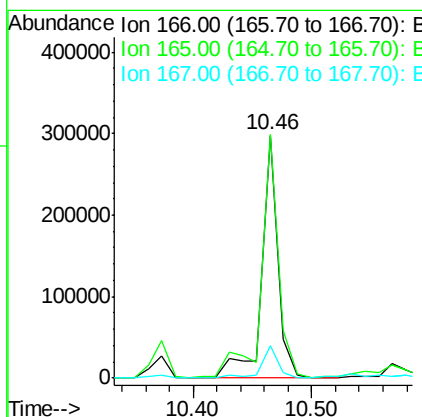
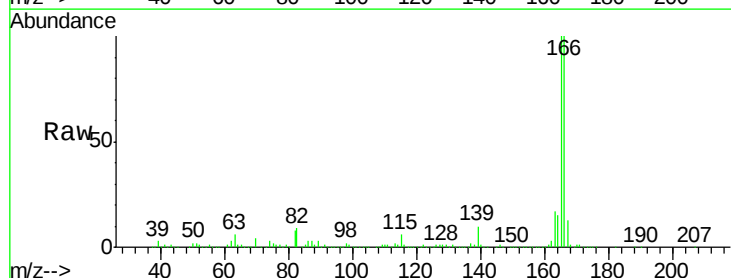
Instrument :
BNA_F
ClientSampleId :
20151026MGP207BRV40

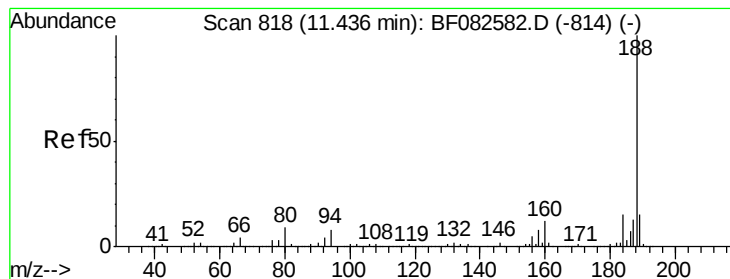
Tgt Ion:184 Resp: 820
Ion Ratio Lower Upper
184 100
63 123.8 98.6 148.0
154 0.0 183.9 275.9#



#57
Fluorene
Concen: 10.78 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF082681.D
Acq: 4 Nov 2015 3:40

Tgt Ion:166 Resp: 282376
Ion Ratio Lower Upper
166 100
165 100.3 80.2 120.4
167 13.1 11.2 16.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

Instrument :

BNA_F

ClientSampleId :

20151026MGP207BRV40

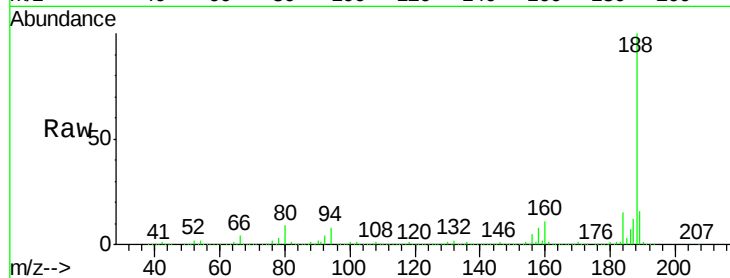
Tgt Ion:188 Resp: 699376

Ion Ratio Lower Upper

188 100

94 8.1 6.1 9.1

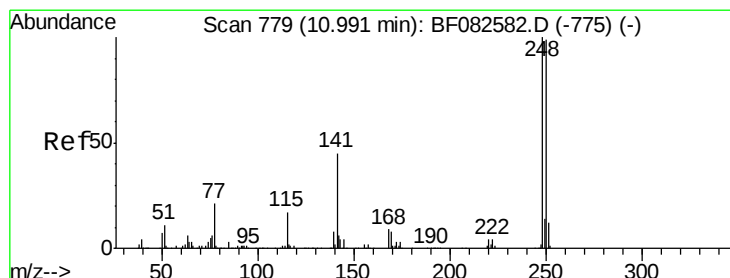
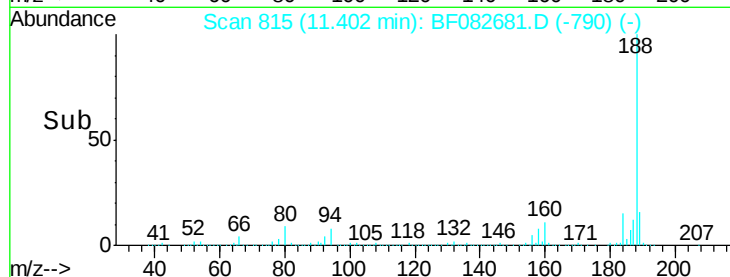
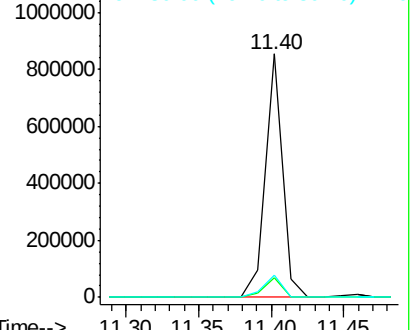
80 9.0 7.0 10.6



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



#66

4-Bromophenyl-phenylether

Concen: 4.62 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

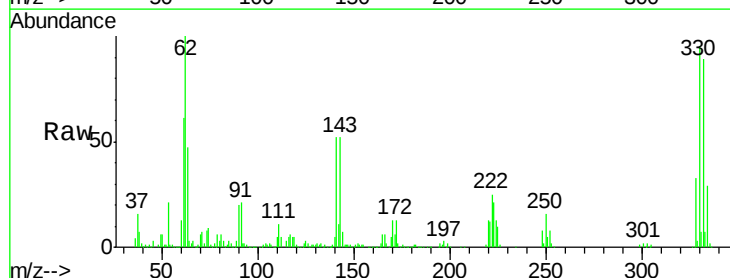
Tgt Ion:248 Resp: 36637

Ion Ratio Lower Upper

248 100

250 202.7 79.4 119.2#

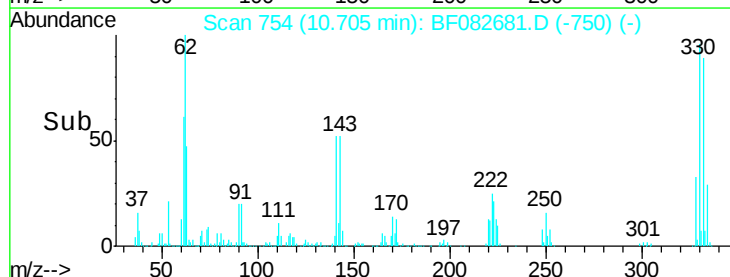
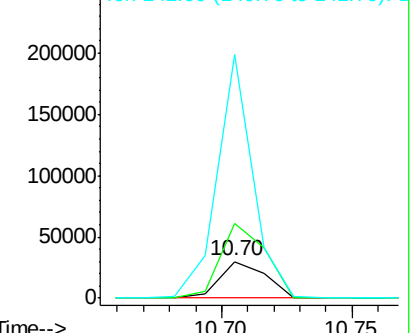
141 663.5 36.3 54.5#

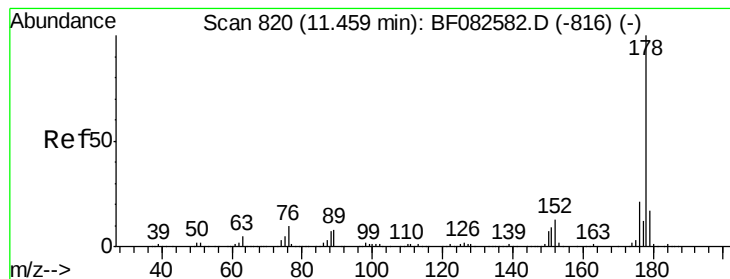


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 7.47 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

Instrument :

BNA_F

ClientSampleId :

20151026MGP207BRV40

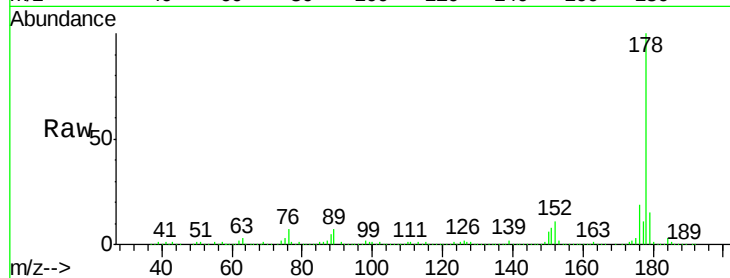
Tgt Ion:178 Resp: 294582

Ion Ratio Lower Upper

178 100

176 19.1 17.0 25.4

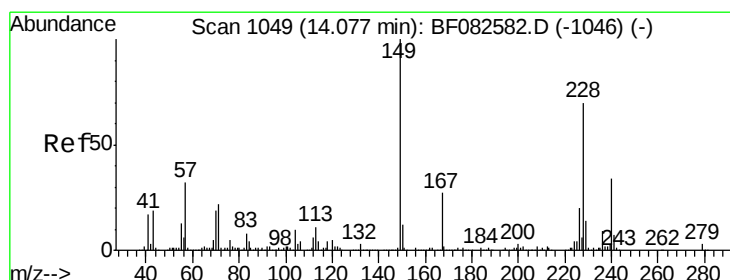
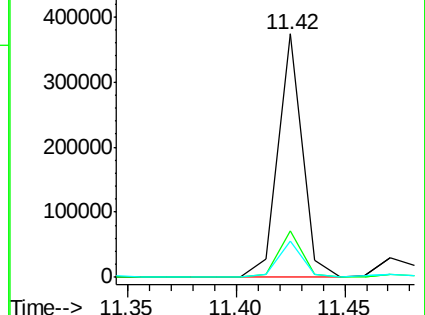
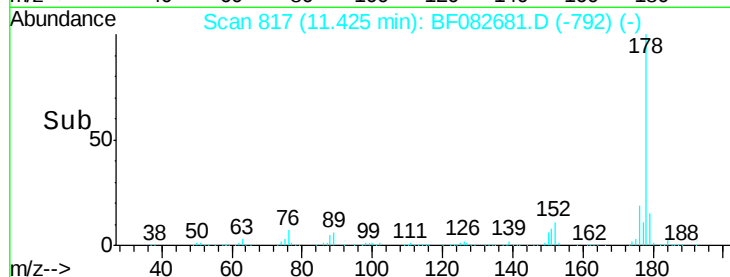
179 14.8 13.4 20.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

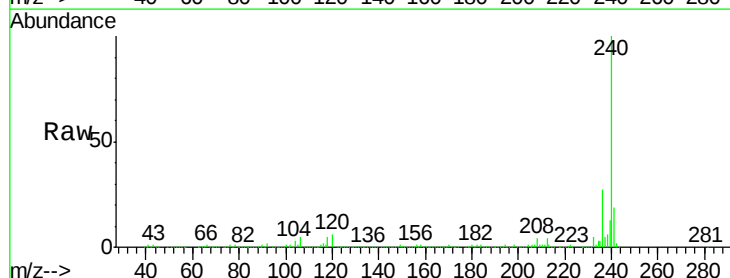
Tgt Ion:240 Resp: 490386

Ion Ratio Lower Upper

240 100

120 6.4 10.9 16.3#

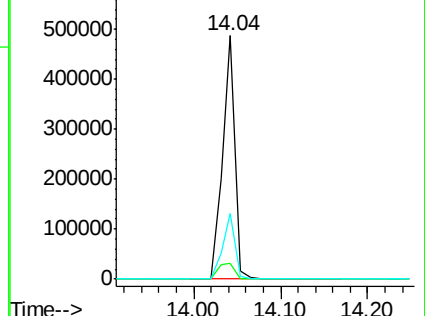
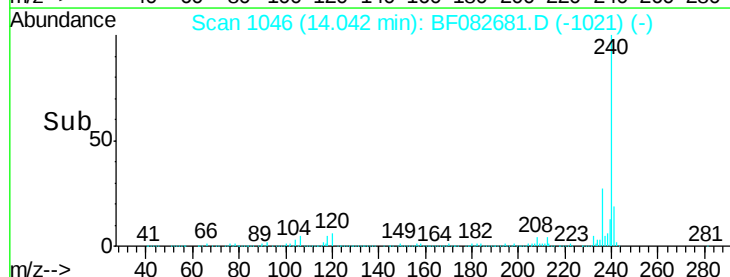
236 26.7 21.6 32.4

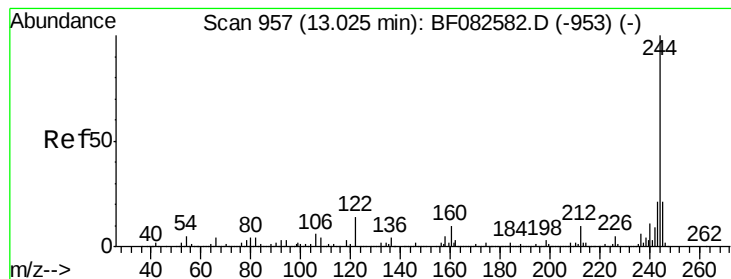


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 90.12 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

Instrument :

BNA_F

ClientSampleId :

20151026MGP207BRV40

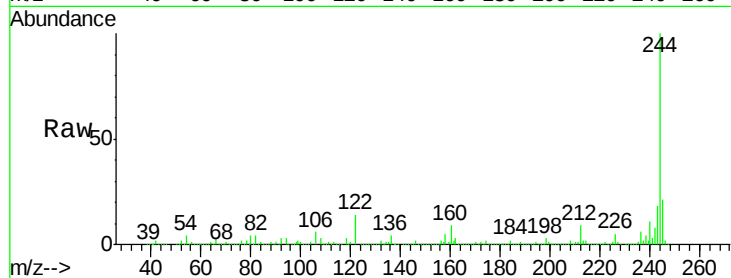
Tgt Ion:244 Resp: 2019465

Ion Ratio Lower Upper

244 100

212 8.9 7.6 11.4

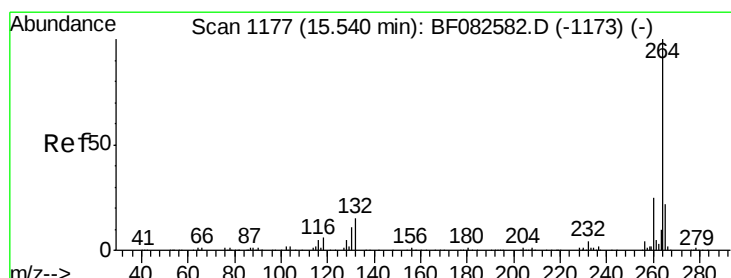
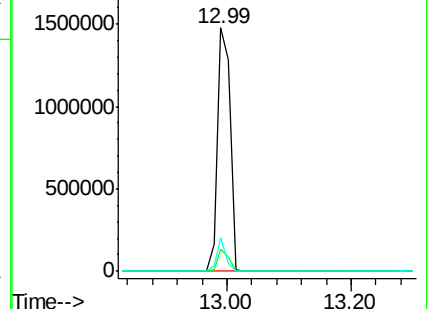
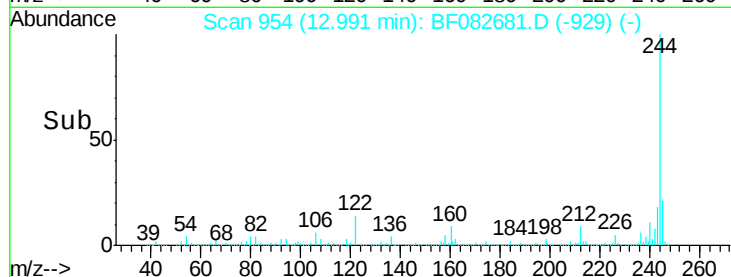
122 13.9 11.3 16.9



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF082681.D

Acq: 4 Nov 2015 3:40

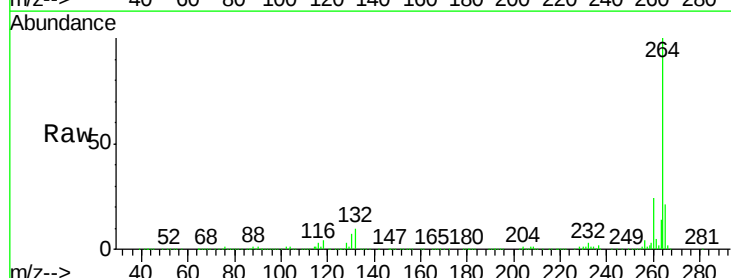
Tgt Ion:264 Resp: 423945

Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.6

265 21.4 17.4 26.0



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

