

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082915\
 Data File : BF081293.D
 Acq On : 30 Aug 2015 2:33
 Operator : UM/IZ
 Sample : G3474-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 01:12:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

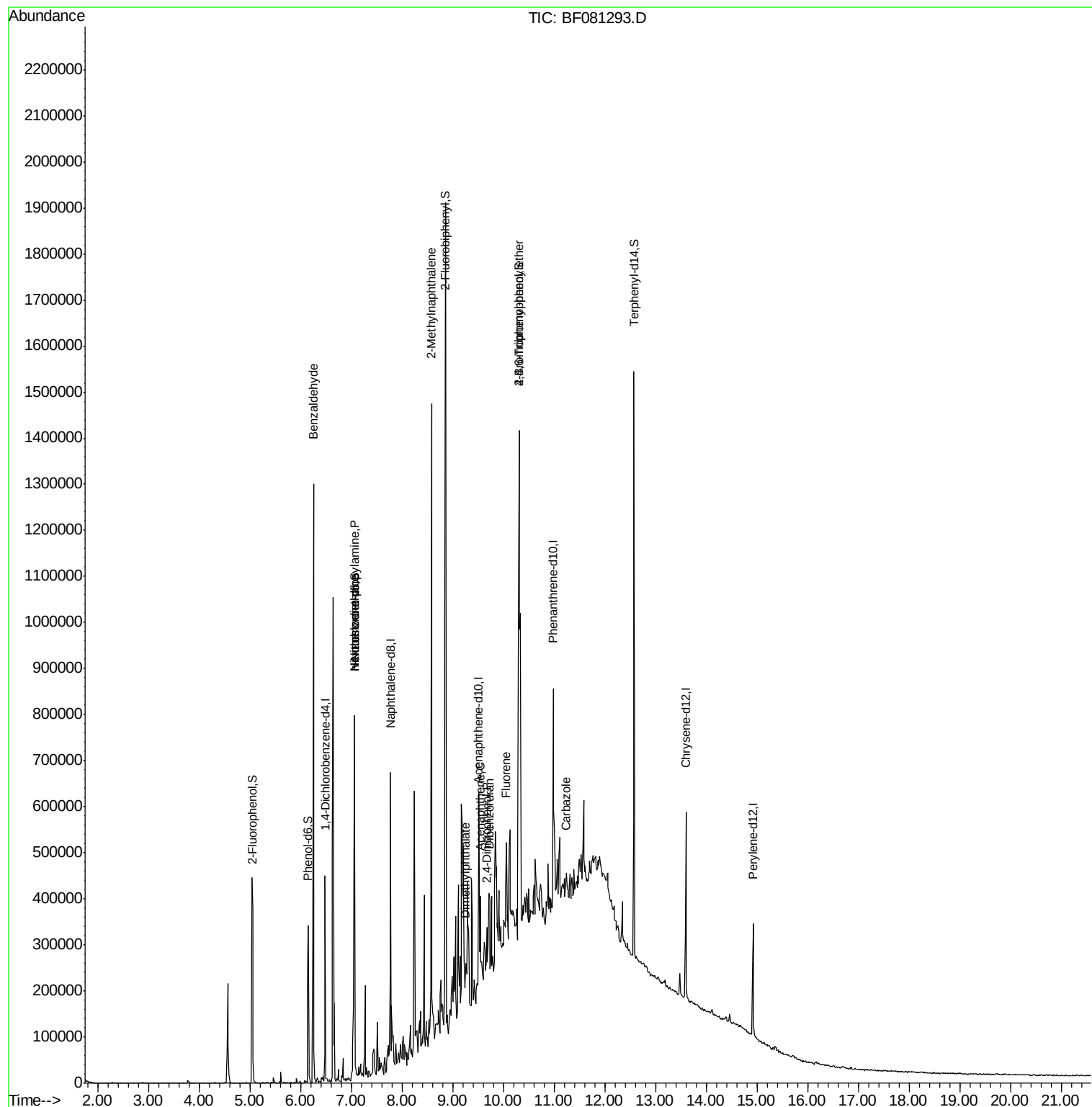
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	58344	20.00	ng	-0.06
21) Naphthalene-d8	7.77	136	236459	20.00	ng	-0.06
38) Acenaphthene-d10	9.51	164	98122	20.00	ng	-0.07
63) Phenanthrene-d10	10.98	188	175916	20.00	ng	-0.06
75) Chrysene-d12	13.60	240	139944	20.00	ng	-0.06
86) Perylene-d12	14.93	264	105982	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	160932	41.49	ng	-0.05
7) Phenol-d6	6.15	99	143177	28.29	ng	-0.05
23) Nitrobenzene-d5	7.06	82	346063	66.86	ng	-0.06
41) 2,4,6-Tribromophenol	10.31	330	99212	116.64	ng	-0.05
44) 2-Fluorobiphenyl	8.86	172	618082	82.54	ng	-0.05
78) Terphenyl-d14	12.57	244	432675	66.28	ng	-0.06
Target Compounds						Qvalue
9) Benzaldehyde	6.25	77	8463	2.59	ng	79
18) Hexachloroethane	7.06	117	31256	17.12	ng	# 9
19) n-Nitroso-di-n-propylamine	7.06	70	46675	13.31	ng	# 63
37) 2-Methylnaphthalene	8.58	142	326390	39.20	ng	99
49) Dimethylphthalate	9.26	163	21135	2.62	ng	# 94
51) Acenaphthene	9.54	154	39264	5.28	ng	98
53) 2,4-Dinitrophenol	9.67	184	1100	4.01	ng	# 1
54) Dibenzofuran	9.71	168	33181	3.33	ng	# 78
57) Fluorene	10.06	166	37283	4.86	ng	# 96
66) 4-Bromophenyl-phenylether	10.31	248	7376	4.27	ng	# 1
72) Carbazole	11.23	167	23936	2.45	ng	# 92

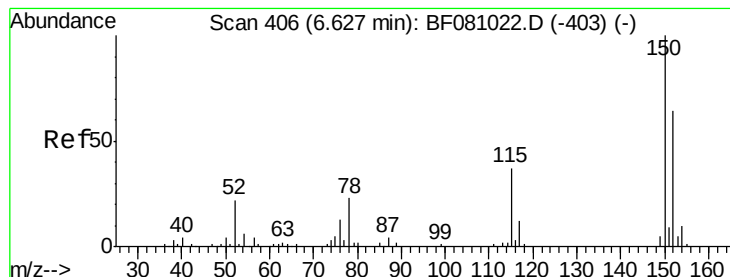
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 24 13:58:19 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.48 min Scan# 415

Delta R.T. -0.06 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

Instrument :

BNA_F

ClientSampled :

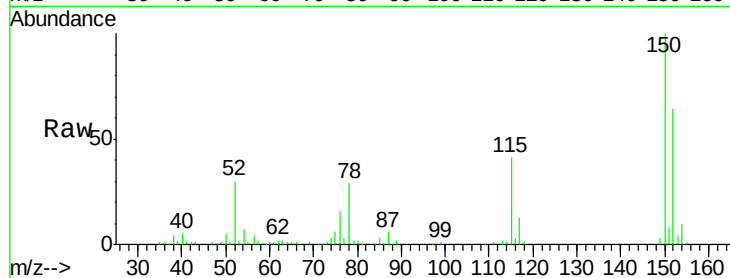
Tot Ion:152 Resp: 58344

Ion Ratio Lower Upper

152 100

150 157.4 123.8 185.6

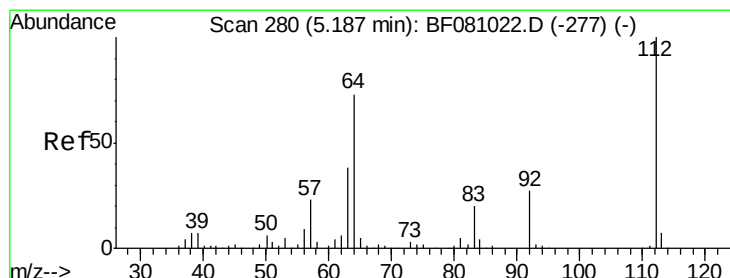
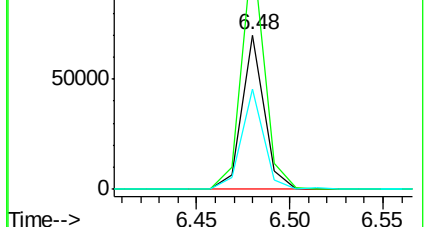
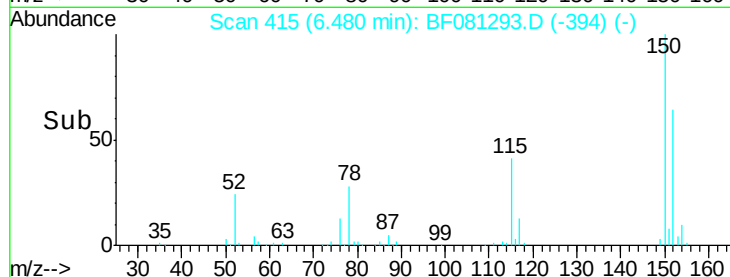
115 64.9 52.1 78.1



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: 41.49 ng

RT: 5.05 min Scan# 290

Delta R.T. -0.05 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

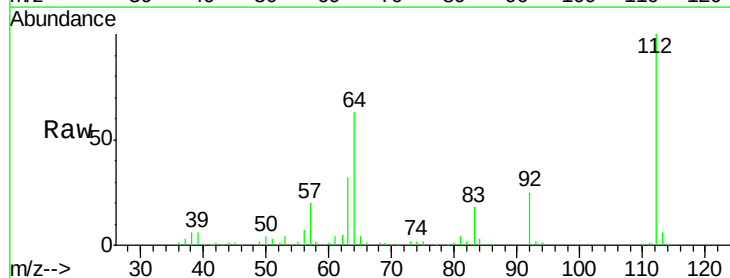
Tgt Ion:112 Resp: 160932

Ion Ratio Lower Upper

112 100

64 62.5 66.9 100.3#

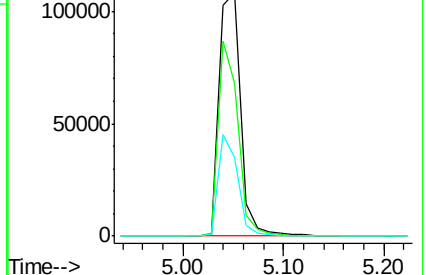
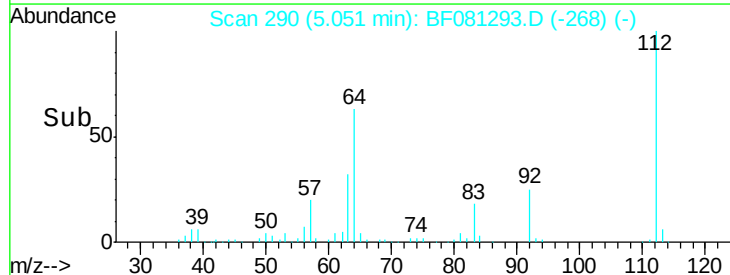
63 32.2 38.1 57.1#

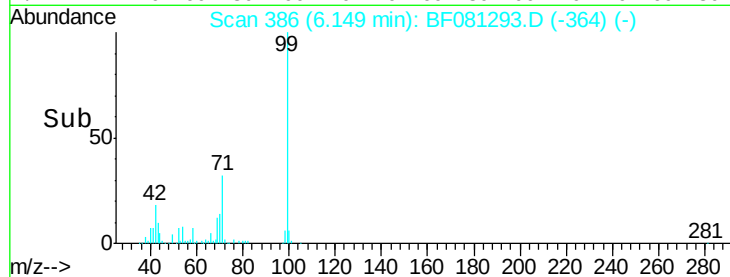
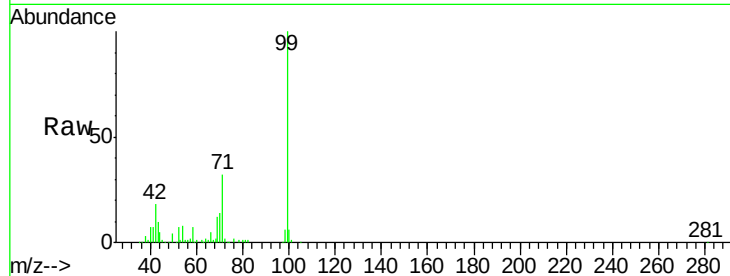
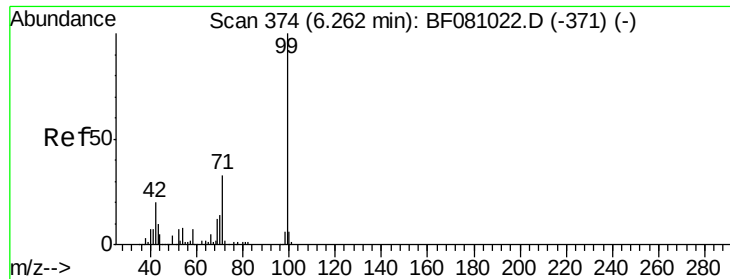


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.29 ng

RT: 6.15 min Scan# 386

Delta R.T. -0.05 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

Instrument :

BNA_F

ClientSampleId :

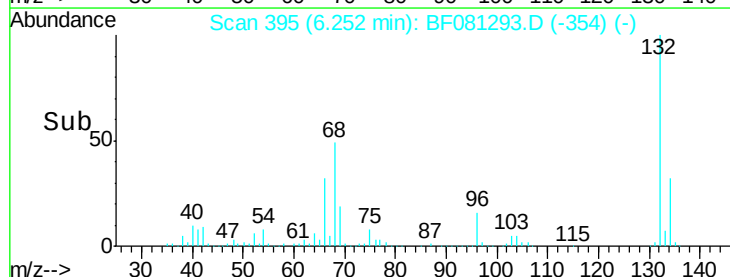
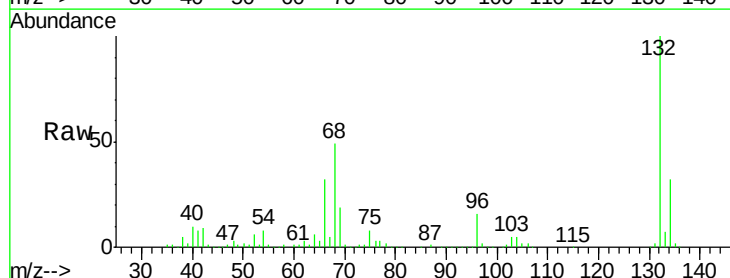
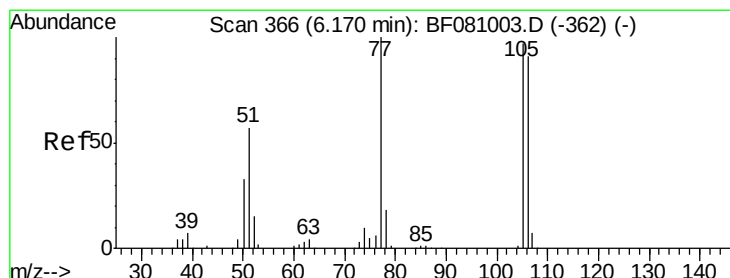
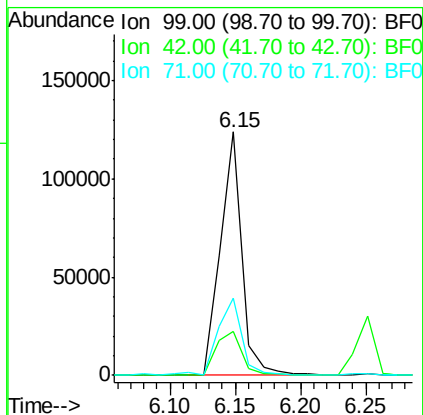
Tot Ion: 99 Resp: 143177

Ion Ratio Lower Upper

99 100

42 18.1 19.6 29.4#

71 31.5 31.2 46.8



#9

Benzaldehyde

Concen: 2.59 ng

RT: 6.25 min Scan# 395

Delta R.T. 0.17 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

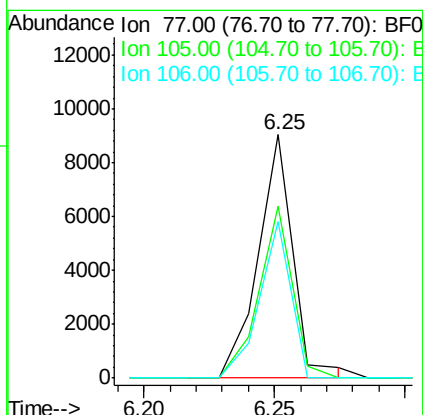
Tgt Ion: 77 Resp: 8463

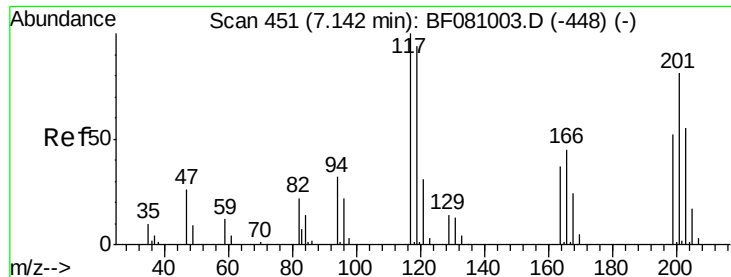
Ion Ratio Lower Upper

77 100

105 70.4 69.6 109.6

106 64.3 64.0 104.0





#18

Hexachloroethane

Concen: 17.12 ng

RT: 7.06 min Scan# 466

Delta R.T. 0.01 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

Instrument :

BNA_F

ClientSampleId :

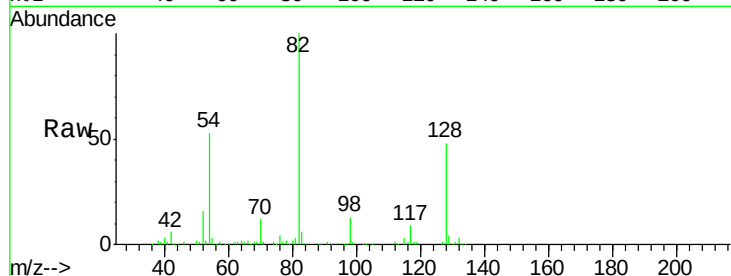
Tot Ion:117 Resp: 31256

Ion Ratio Lower Upper

117 100

119 6.5 77.9 116.9#

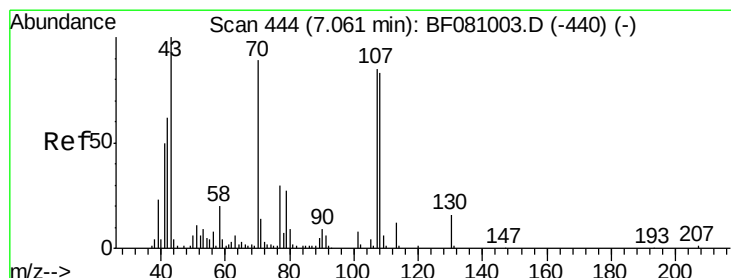
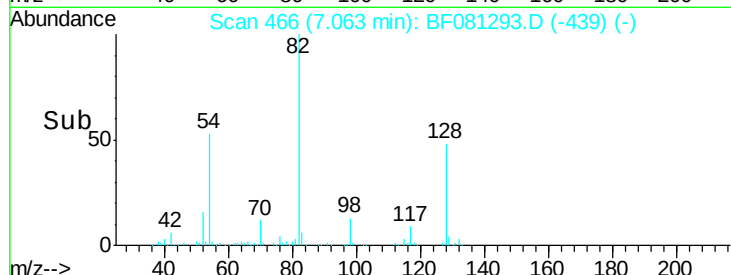
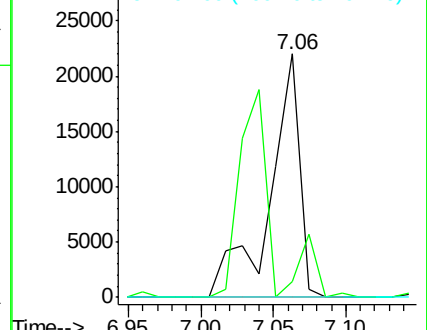
201 0.0 61.3 91.9#



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: 13.31 ng

RT: 7.06 min Scan# 466

Delta R.T. 0.08 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

Tgt Ion: 70 Resp: 46675

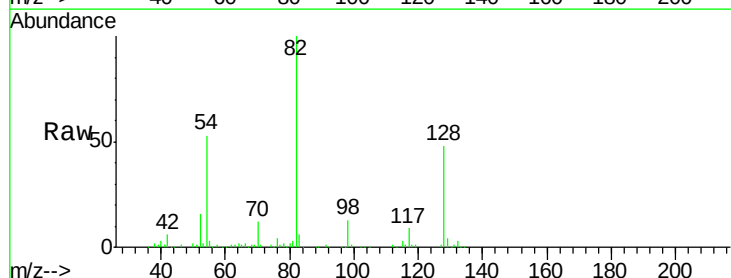
Ion Ratio Lower Upper

70 100

42 46.3 65.0 97.4#

101 0.0 7.4 11.2#

130 2.8 13.0 19.4#

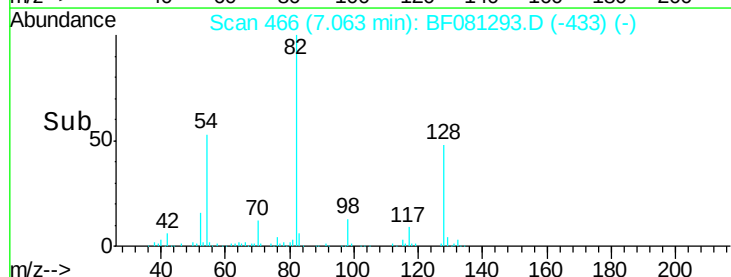
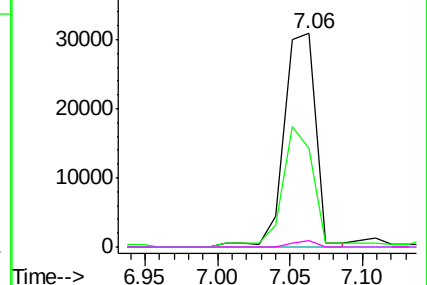


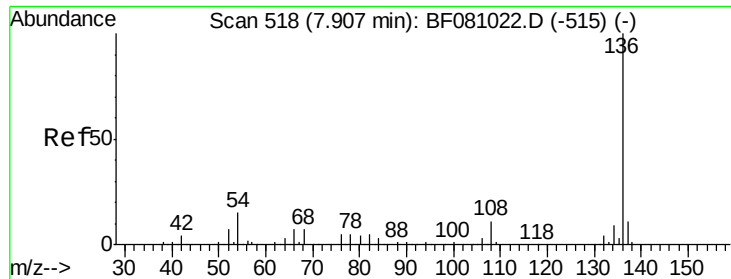
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.77 min Scan# 528

Delta R.T. -0.06 min

Lab File: BF081293.D

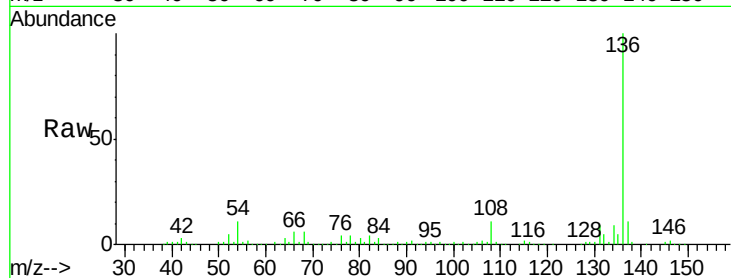
Acq: 30 Aug 2015 2:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	236459
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.2	12.2
54 10.5	7.7	11.5
68 5.6	3.4	5.2#

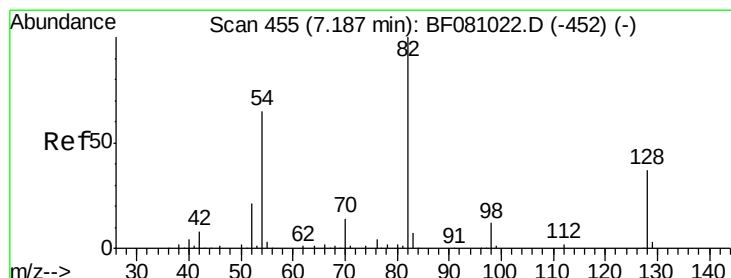
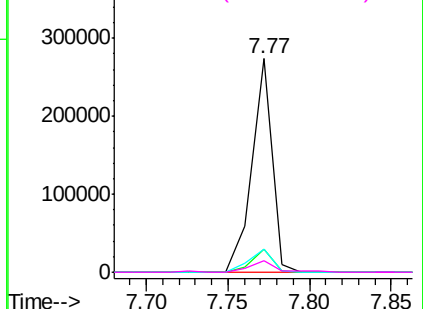
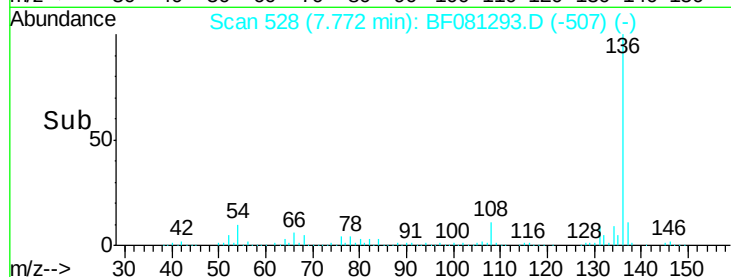


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 66.86 ng

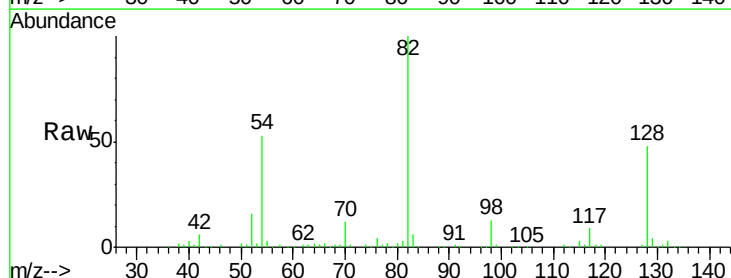
RT: 7.06 min Scan# 466

Delta R.T. -0.06 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

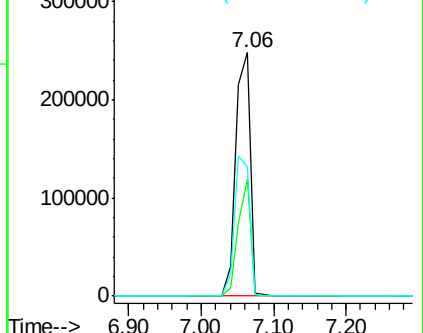
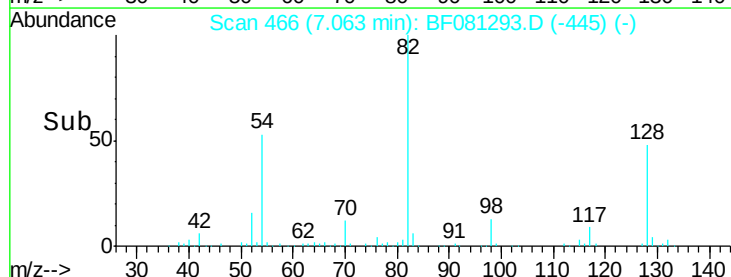
Tgt Ion: 82	Resp:	346063
Ion Ratio	Lower	Upper
82 100		
128 47.8	28.6	42.8#
54 53.4	55.1	82.7#

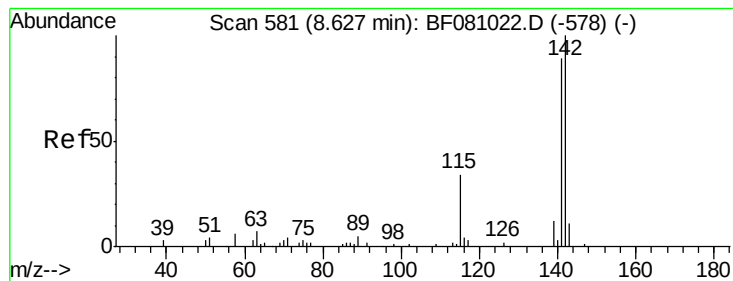


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#37

2-Methylnaphthalene

Concen: 39.20 ng

RT: 8.58 min Scan# 599

Delta R.T. 0.04 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

Instrument :

BNA_F

ClientSampled :

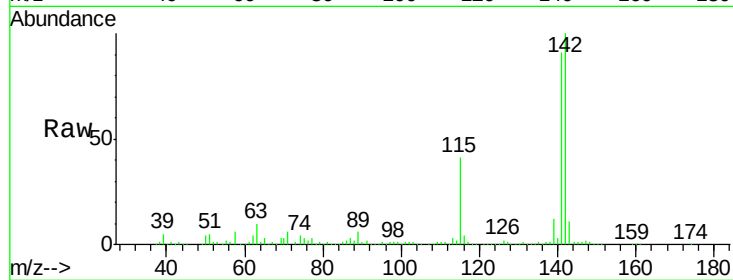
Tot Ion:142 Resp: 326390

Ion Ratio Lower Upper

142 100

141 90.7 71.4 107.2

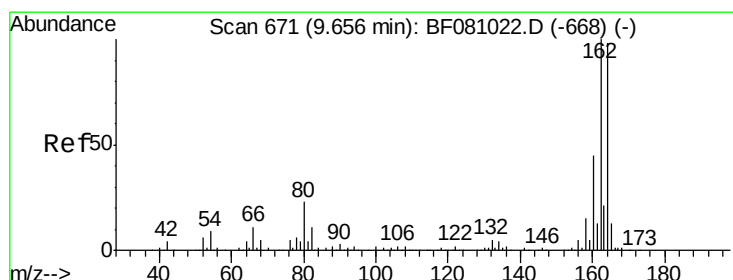
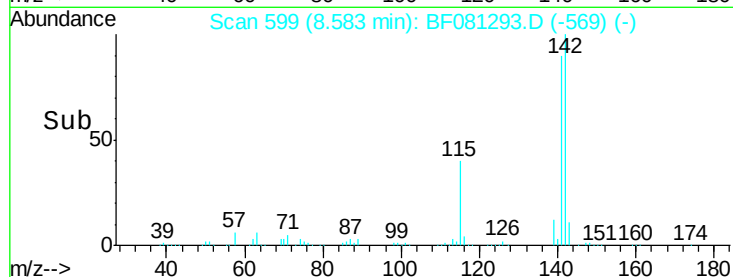
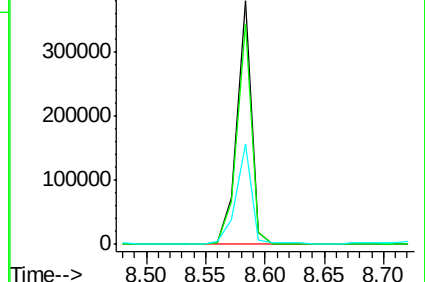
115 41.1 33.4 50.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.51 min Scan# 680

Delta R.T. -0.07 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

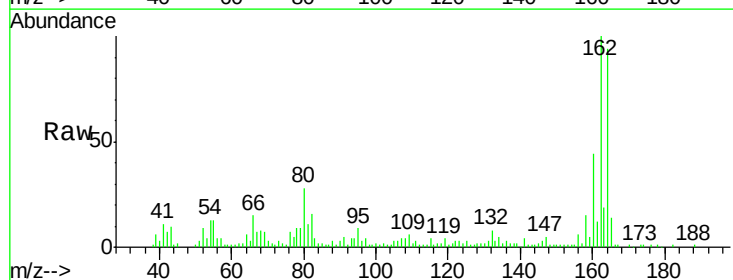
Tgt Ion:164 Resp: 98122

Ion Ratio Lower Upper

164 100

162 106.0 83.8 125.8

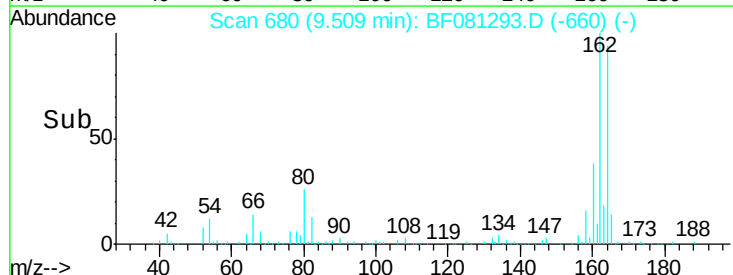
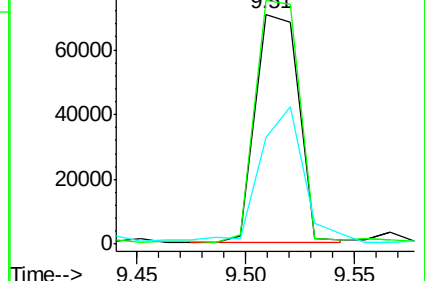
160 46.6 39.8 59.8

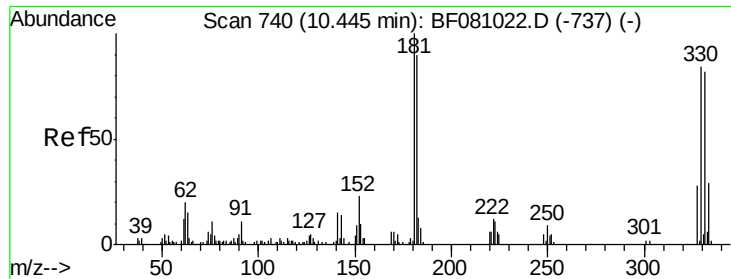


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 116.64 ng

RT: 10.31 min Scan# 750

Delta R.T. -0.05 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

Instrument :

BNA_F

ClientSampleId :

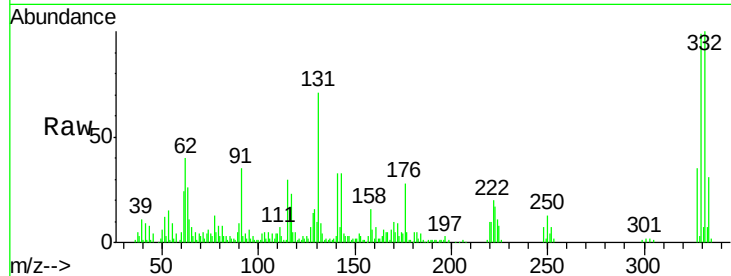
Tot Ion:330 Resp: 99212

Ion Ratio Lower Upper

330 100

332 98.5 77.3 115.9

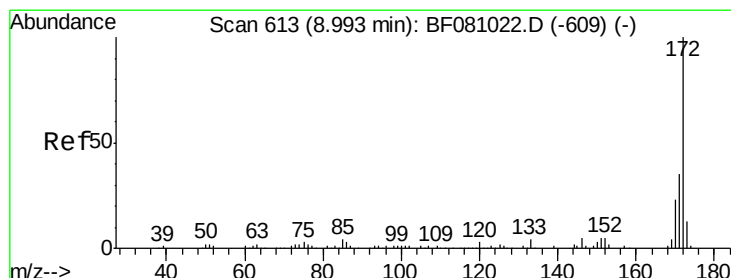
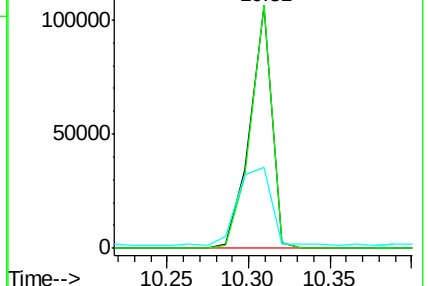
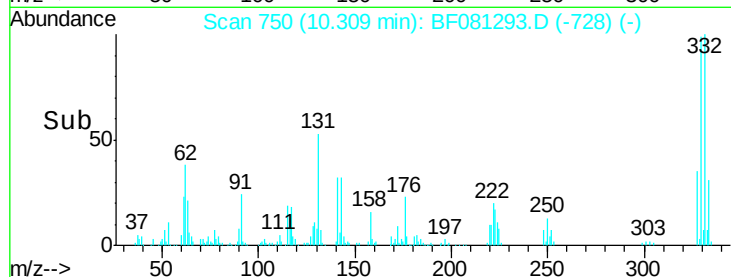
141 49.6 44.9 67.3



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: 82.54 ng

RT: 8.86 min Scan# 623

Delta R.T. -0.05 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

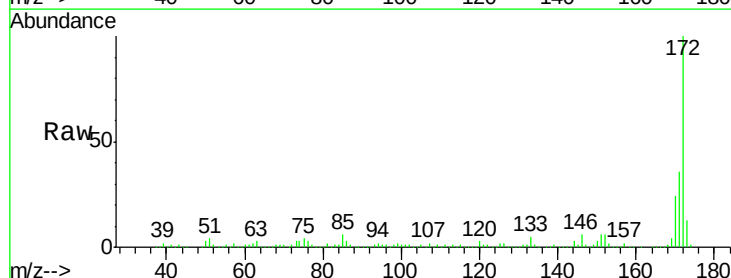
Tgt Ion:172 Resp: 618082

Ion Ratio Lower Upper

172 100

171 35.7 28.9 43.3

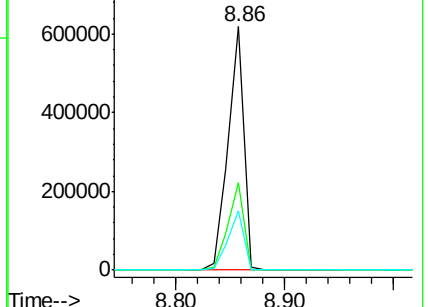
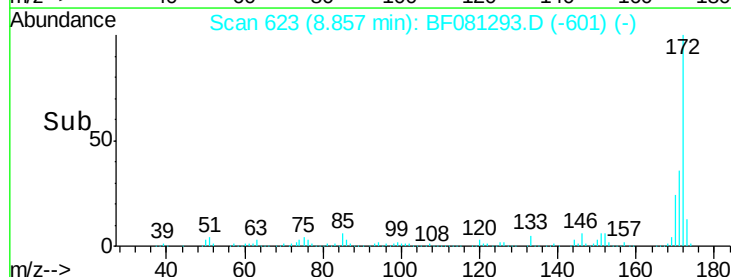
170 24.4 19.4 29.2

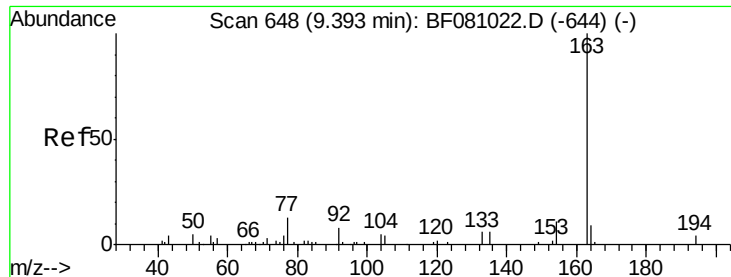


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

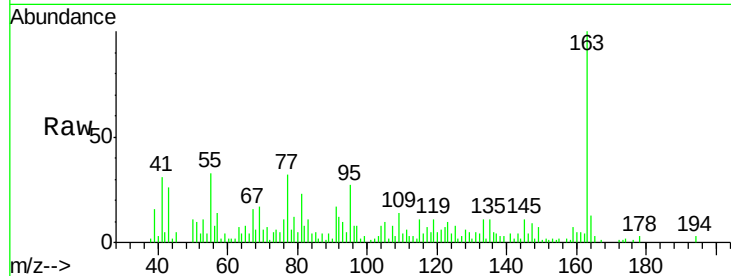




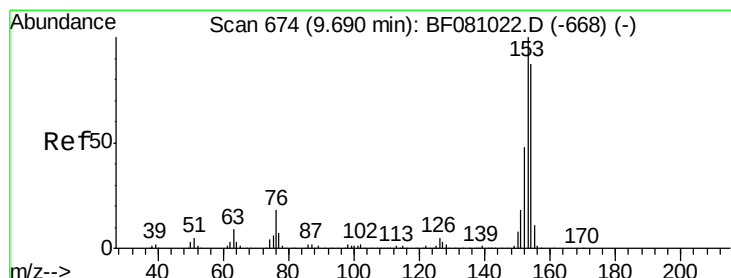
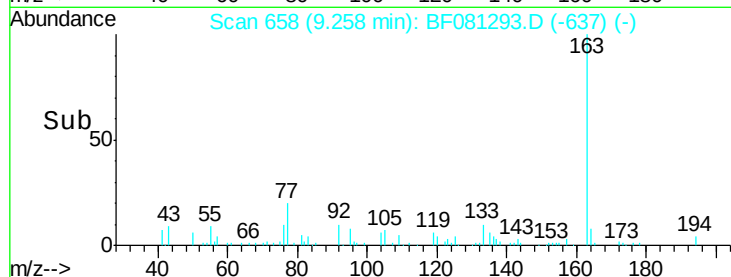
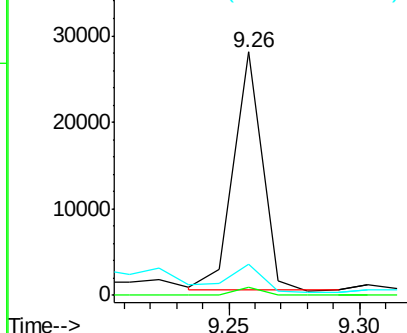
#49
Dimethylphthalate
Concen: 2.62 ng
RT: 9.26 min Scan# 658
Delta R.T. -0.06 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.5	3.7
164	13.0	8.1	12.1

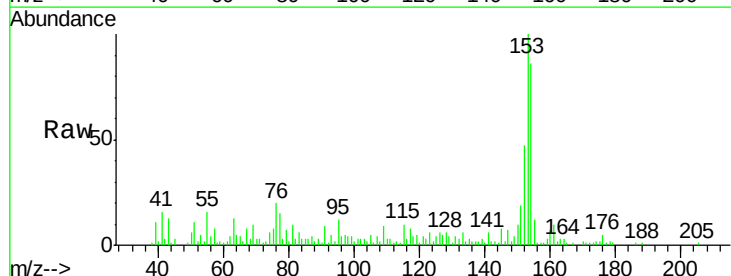


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

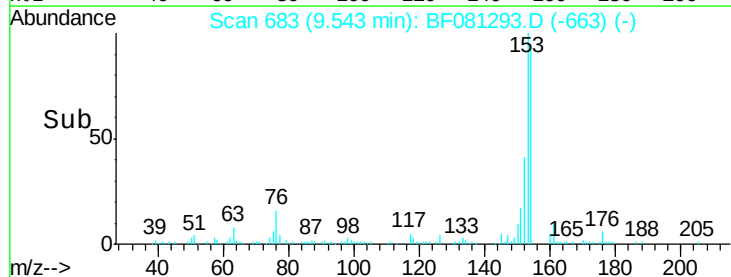
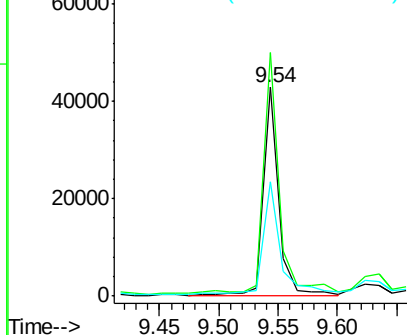


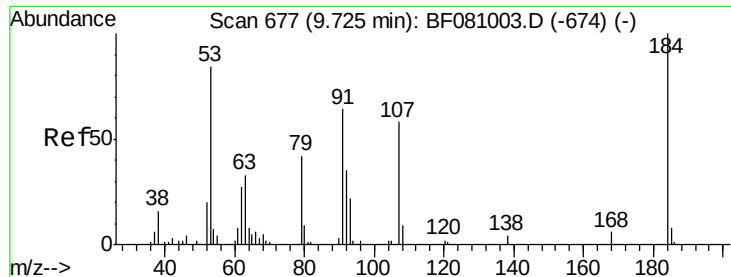
#51
Acenaphthene
Concen: 5.28 ng
RT: 9.54 min Scan# 683
Delta R.T. -0.07 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.6	91.4	137.2
152	55.0	43.7	65.5



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

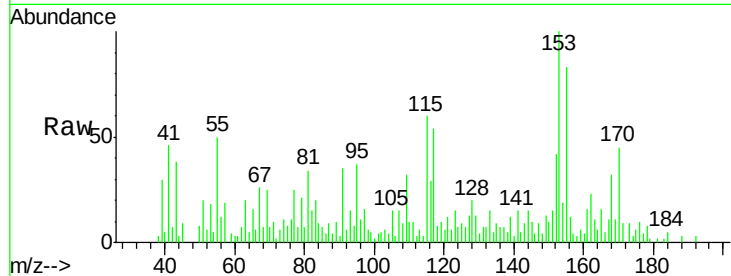




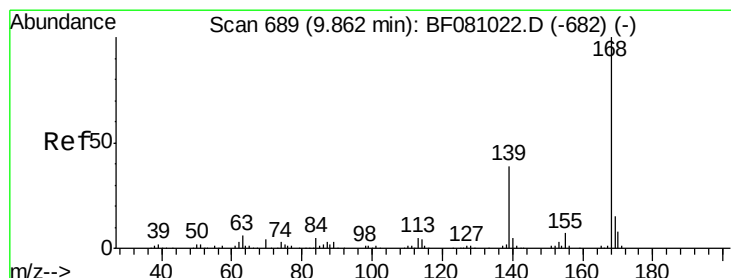
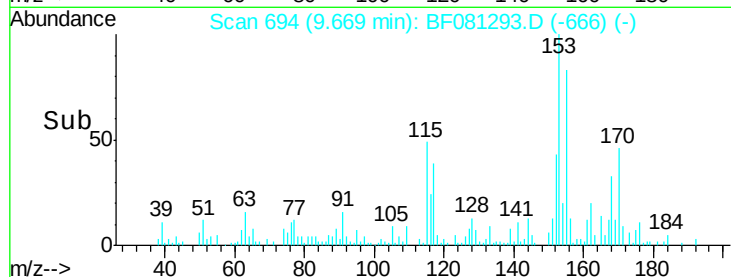
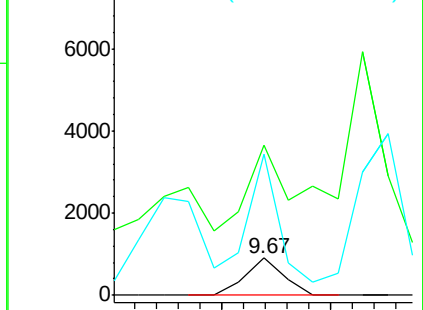
#53
2,4-Dinitrophenol
Concen: 4.01 ng
RT: 9.67 min Scan# 694
Delta R.T. 0.02 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 1100
Ion Ratio Lower Upper
184 100
63 404.4 101.7 152.5#
154 381.8 67.4 101.0#

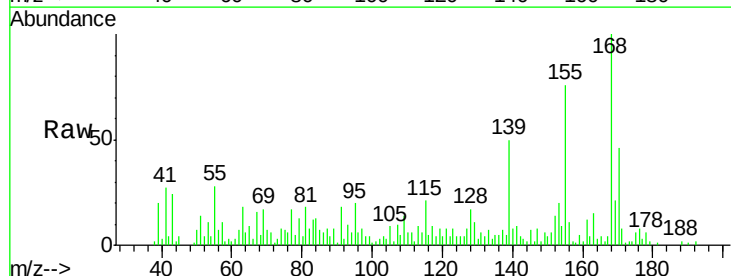


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

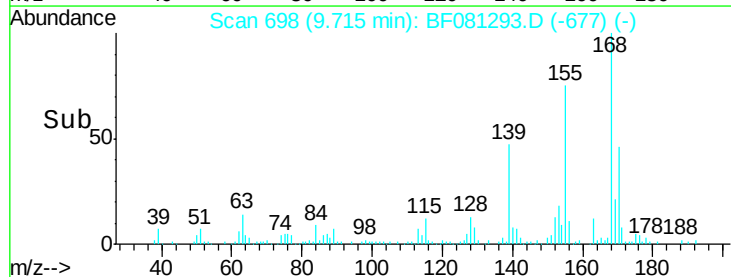
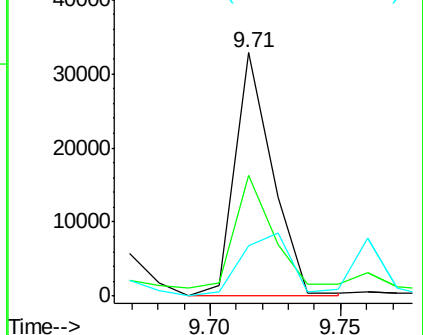


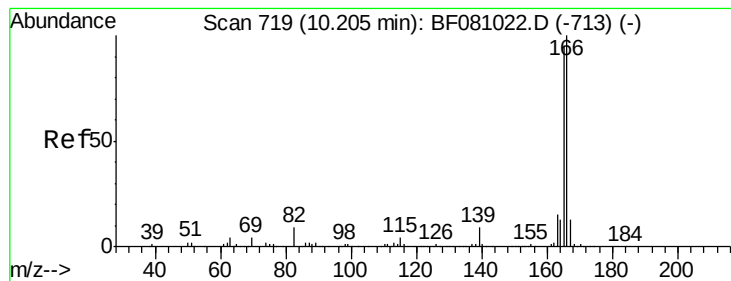
#54
Dibenzofuran
Concen: 3.33 ng
RT: 9.71 min Scan# 698
Delta R.T. -0.06 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Tgt Ion:168 Resp: 33181
Ion Ratio Lower Upper
168 100
139 49.8 29.3 43.9#
169 20.6 10.3 15.5#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 4.86 ng

RT: 10.06 min Scan# 728

Delta R.T. -0.06 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

Instrument :

BNA_F

ClientSampleId :

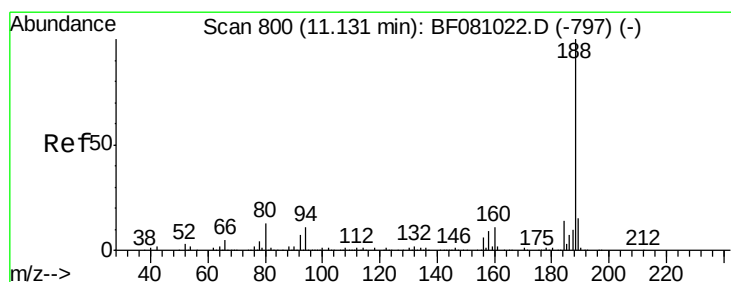
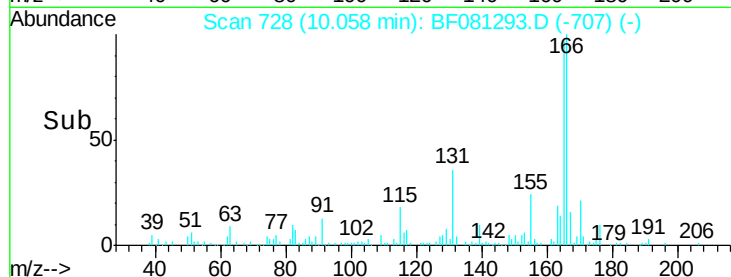
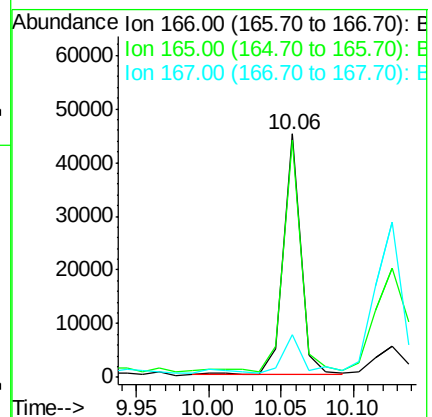
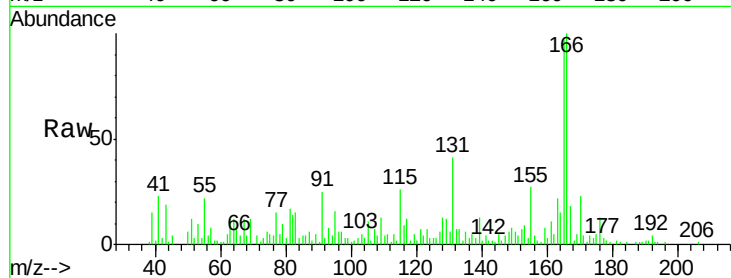
Tot Ion:166 Resp: 37283

Ion Ratio Lower Upper

166 100

165 97.5 75.8 113.8

167 17.5 11.3 16.9#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.98 min Scan# 809

Delta R.T. -0.06 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

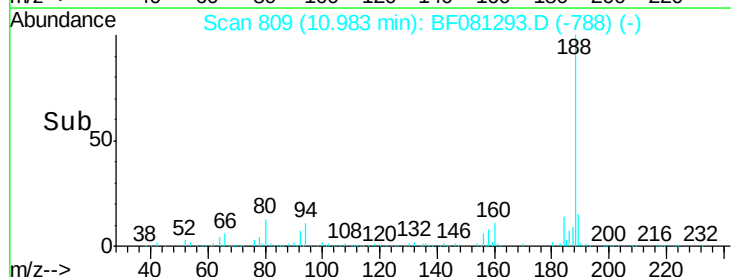
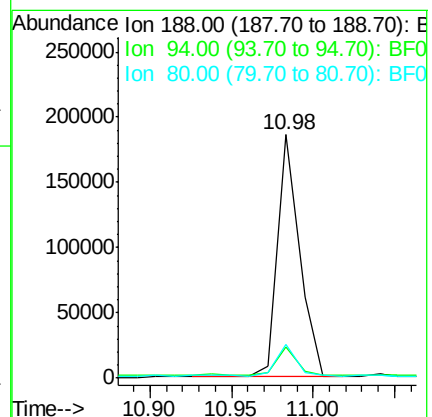
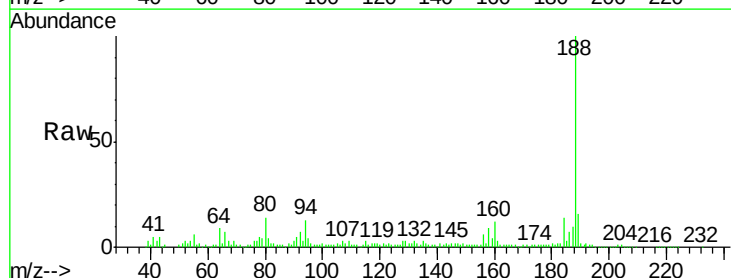
Tgt Ion:188 Resp: 175916

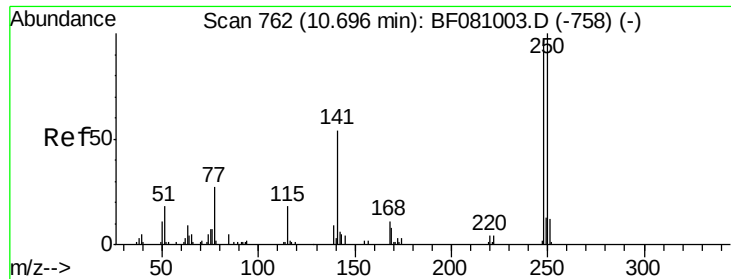
Ion Ratio Lower Upper

188 100

94 12.6 8.2 12.2#

80 13.8 9.5 14.3

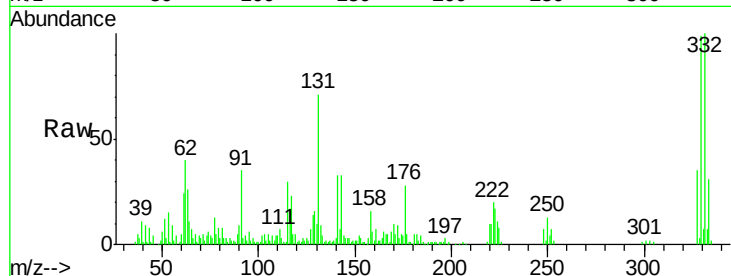




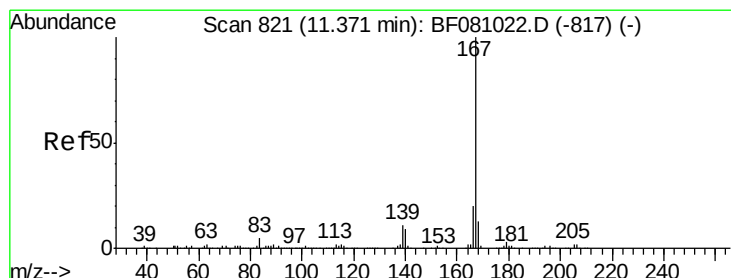
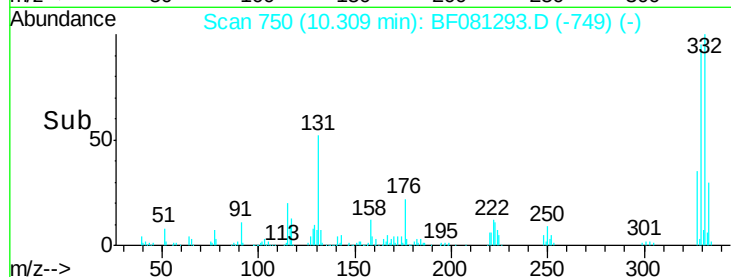
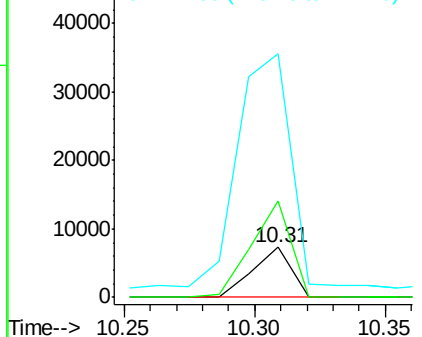
#66
4-Bromophenyl-phenylether
Concen: 4.27 ng
RT: 10.31 min Scan# 750
Delta R.T. -0.29 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 7376
Ion Ratio Lower Upper
248 100
250 192.8 77.8 116.6#
141 487.8 39.8 59.6#

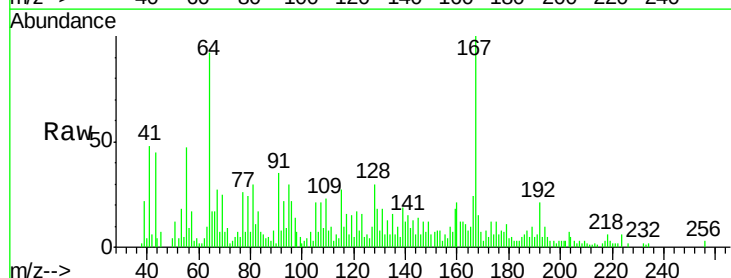


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

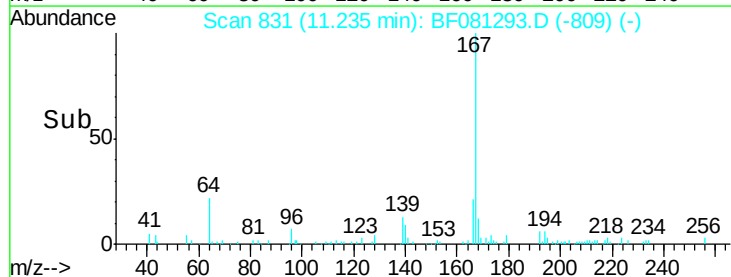
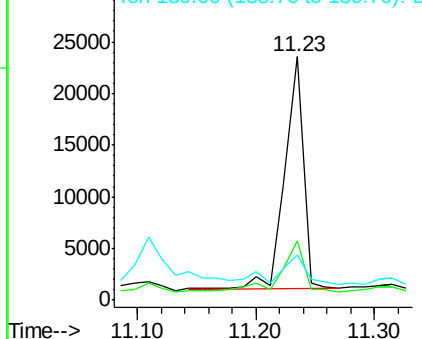


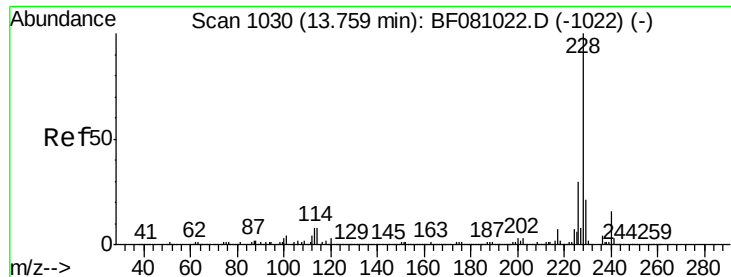
#72
Carbazole
Concen: 2.45 ng
RT: 11.23 min Scan# 831
Delta R.T. -0.05 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Tgt Ion:167 Resp: 23936
Ion Ratio Lower Upper
167 100
166 24.1 17.4 26.0
139 18.7 10.6 16.0#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.60 min Scan# 1038

Delta R.T. -0.06 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

Instrument :

BNA_F

ClientSampleId :

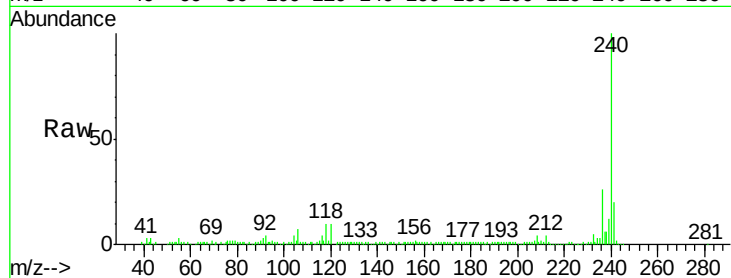
Tot Ion:240 Resp: 139944

Ion Ratio Lower Upper

240 100

120 10.1 5.6 8.4#

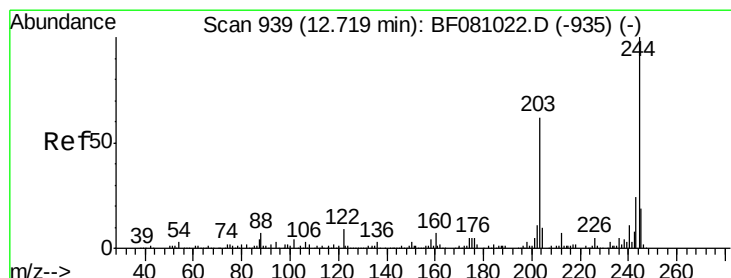
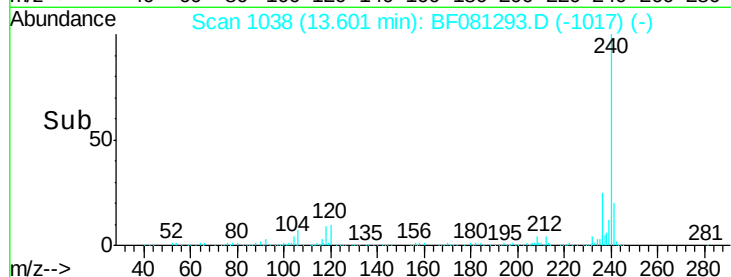
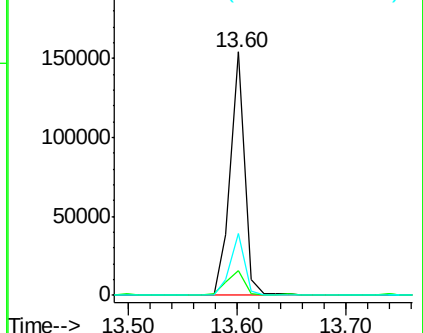
236 25.5 20.6 30.8



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: 66.28 ng

RT: 12.57 min Scan# 948

Delta R.T. -0.06 min

Lab File: BF081293.D

Acq: 30 Aug 2015 2:33

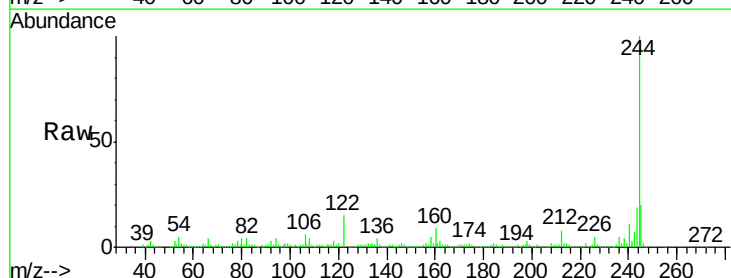
Tgt Ion:244 Resp: 432675

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

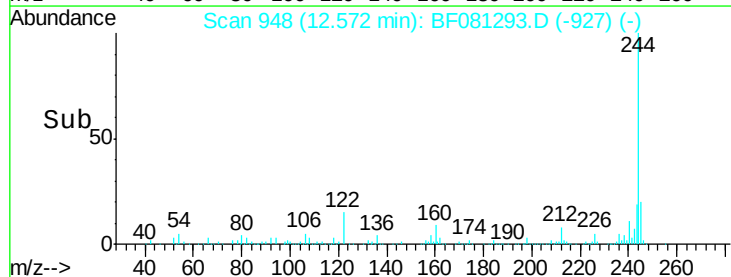
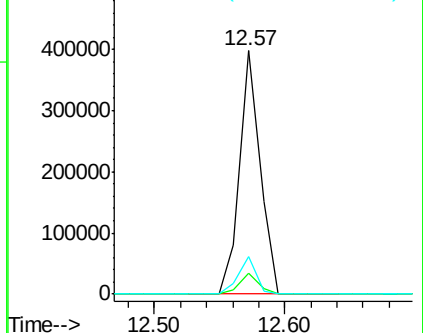
122 15.2 8.2 12.4#

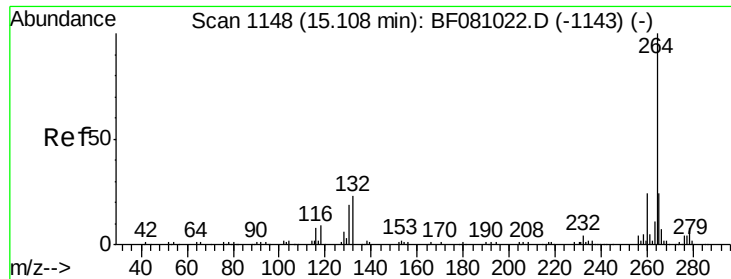


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF081293.D
Acq: 30 Aug 2015 2:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.5	17.5	26.3

