

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121815\
 Data File : BF083906.D
 Acq On : 18 Dec 2015 9:27
 Operator : UM/SJ
 Sample : G4759-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 11:39:04 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 01:01:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	125371	20.00	ng	0.01
21) Naphthalene-d8	8.17	136	475157	20.00	ng	0.01
38) Acenaphthene-d10	9.93	164	171272	20.00	ng	0.01
63) Phenanthrene-d10	11.42	188	244164	20.00	ng	0.03
75) Chrysene-d12	14.05	240	235043	20.00	ng	0.02
86) Perylene-d12	15.51	264	180635	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	503629	62.87	ng	0.02
7) Phenol-d6	6.53	99	631867	64.44	ng	0.02
23) Nitrobenzene-d5	7.45	82	368740	44.29	ng	0.01
41) 2,4,6-Tribromophenol	10.73	330	114820	60.85	ng	0.02
44) 2-Fluorobiphenyl	9.25	172	679809	52.43	ng	0.01
78) Terphenyl-d14	13.00	244	396119	35.77	ng	0.02

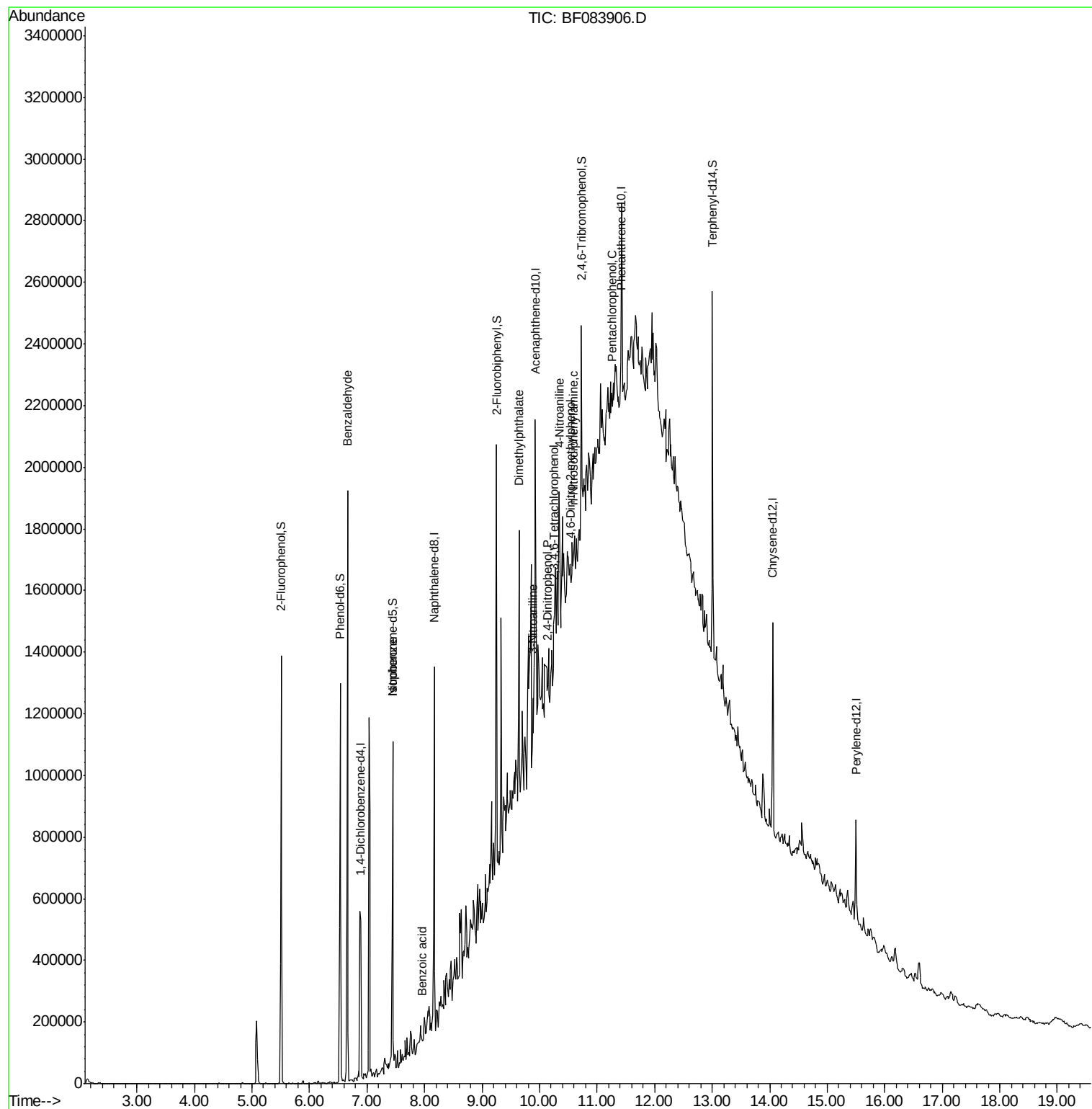
Target Compounds						Qvalue
9) Benzaldehyde	6.66	77	13322	2.25	ng	87
25) Isophorone	7.45	82	265179	16.93	ng	# 67
31) Naphthalene	8.19	128	3732	Below	Cal	# 93
32) Benzoic acid	7.96	122	4030	3.41	ng	# 25
36) 4-Chloro-3-methylphenol	8.69	107	10018	Below	Cal	# 20
45) 1,1'-Biphenyl	9.34	154	1680	Below	Cal	# 13
46) 2-Chloronaphthalene	9.33	162	288	Below	Cal	# 1
49) Dimethylphthalate	9.64	163	147683	10.28	ng	# 91
52) 3-Nitroaniline	9.88	138	17400	5.27	ng	# 9
53) 2,4-Dinitrophenol	10.14	184	854	10.96	ng	# 1
57) Fluorene	10.42	166	4126	Below	Cal	# 1
58) 2,3,4,6-Tetrachlorophenol	10.25	232	7890	3.02	ng	# 57
61) 4-Nitroaniline	10.34	138	8686	2.54	ng	# 78
64) 4,6-Dinitro-2-methylphenol	10.54	198	1945	5.12	ng	# 1
65) n-Nitrosodiphenylamine	10.59	169	38508	4.33	ng	# 46
69) Pentachlorophenol	11.26	266	1437	5.73	ng	# 1
77) Pyrene	12.87	202	21337	Below	Cal	# 75

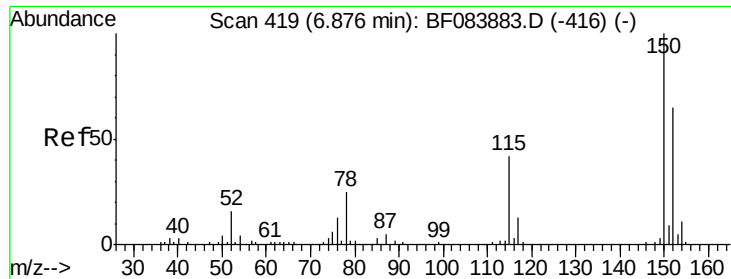
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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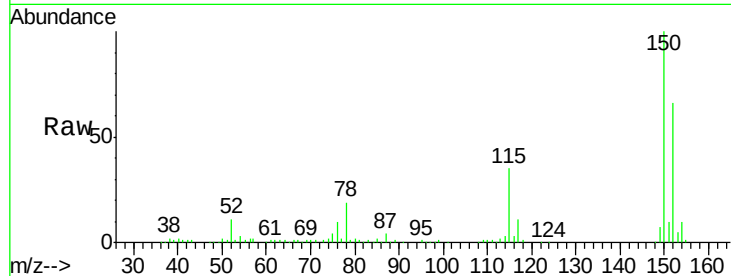


#1

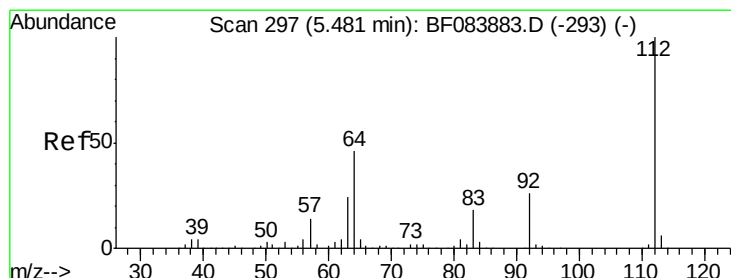
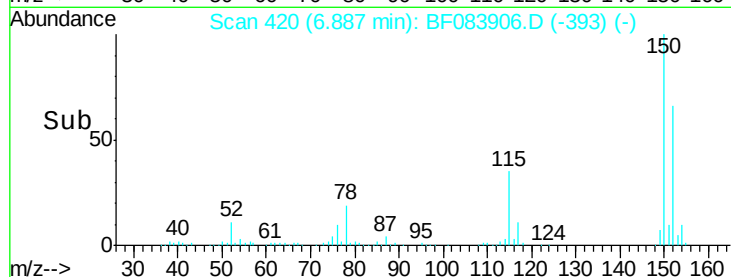
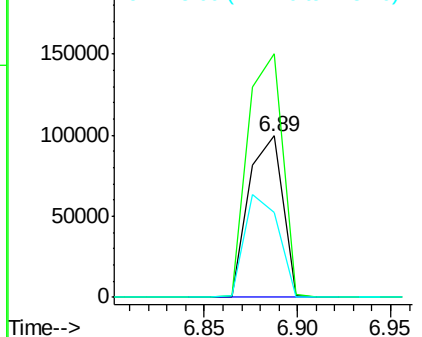
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. 0.01 min
Lab File: BF083906.D
Acq: 18 Dec 2015 9:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	123.0	184.4
115	52.7	51.4	77.2



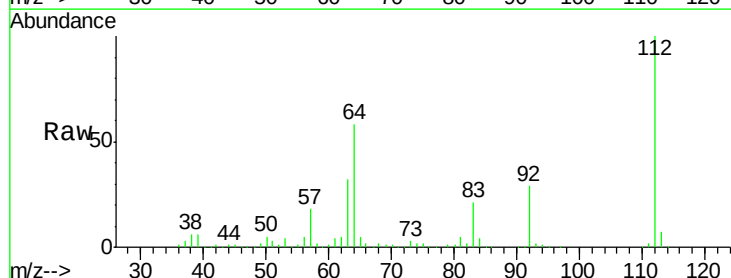
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



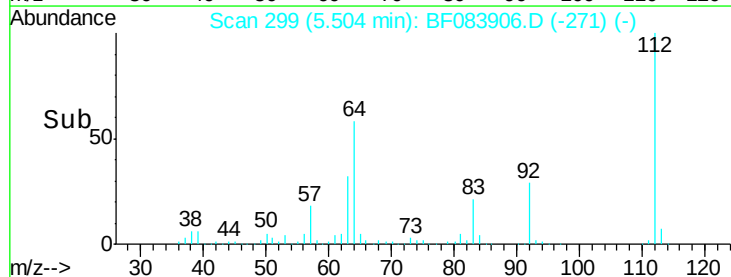
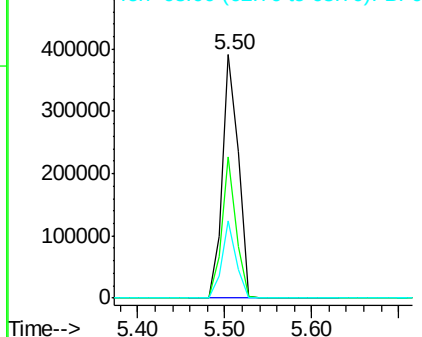
#5

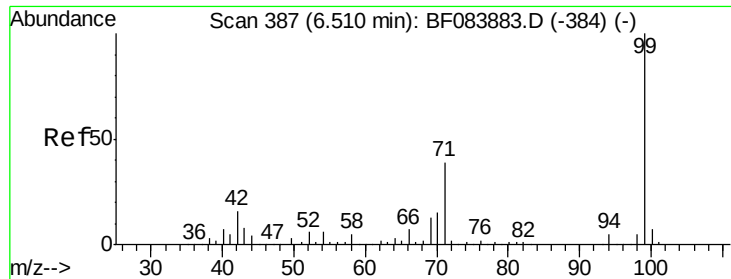
2-Fluorophenol
Concen: 62.87 ng
RT: 5.50 min Scan# 299
Delta R.T. 0.02 min
Lab File: BF083906.D
Acq: 18 Dec 2015 9:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	36.6	55.0#
63	31.9	19.4	29.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 64.44 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.02 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

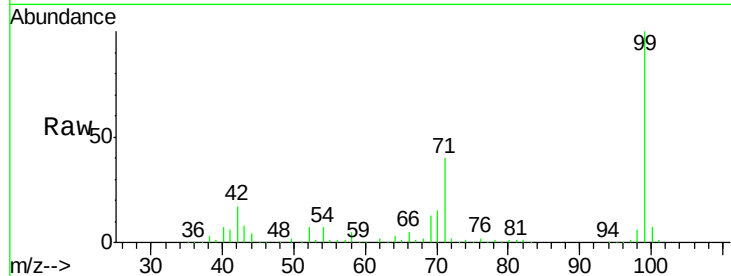
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 631867

Ion	Ratio	Lower	Upper
99	100		
42	17.2	12.8	19.2
71	40.4	30.9	46.3

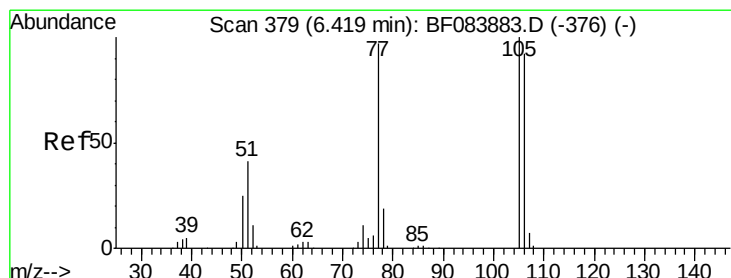
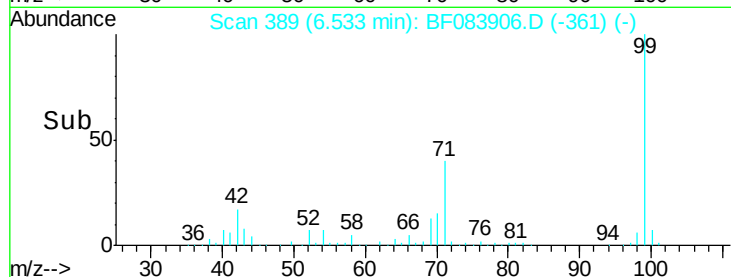
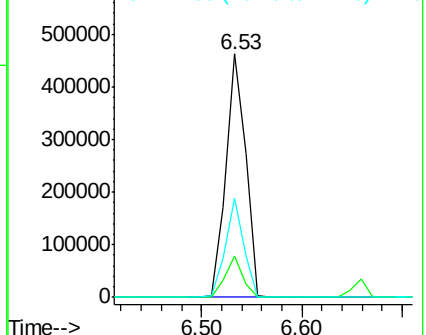


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.25 ng

RT: 6.66 min Scan# 400

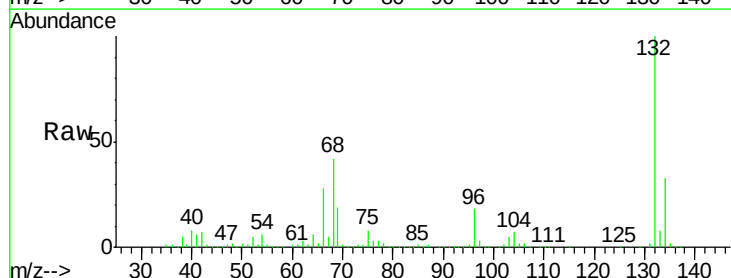
Delta R.T. 0.24 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

Tgt Ion: 77 Resp: 13322

Ion	Ratio	Lower	Upper
77	100		
105	85.4	83.0	123.0
106	85.7	74.6	114.6

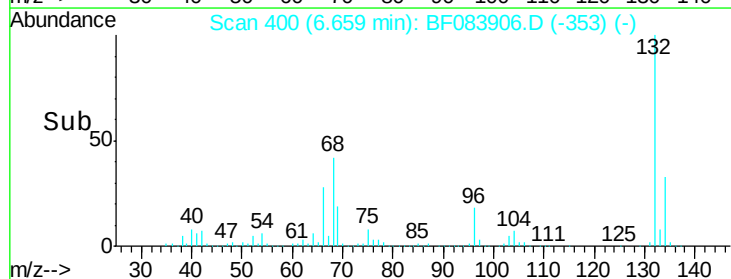
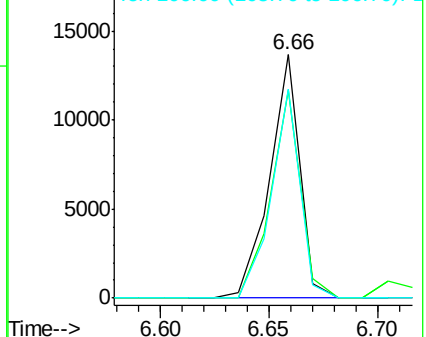


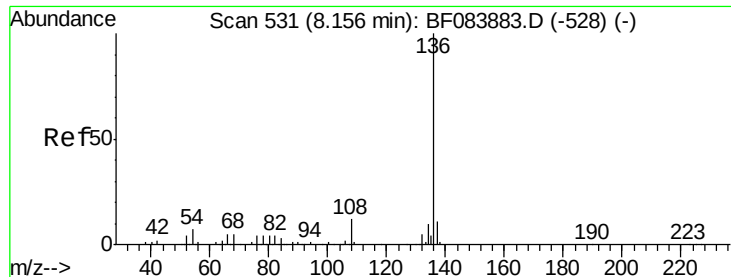
Abundance

Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

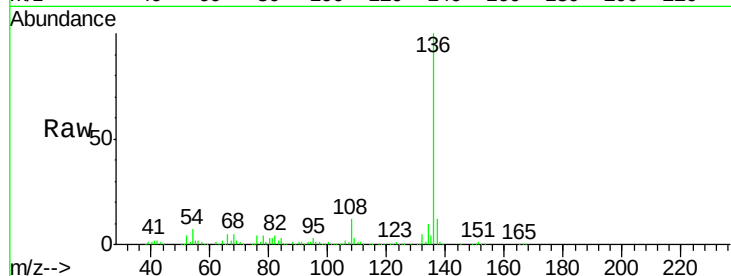




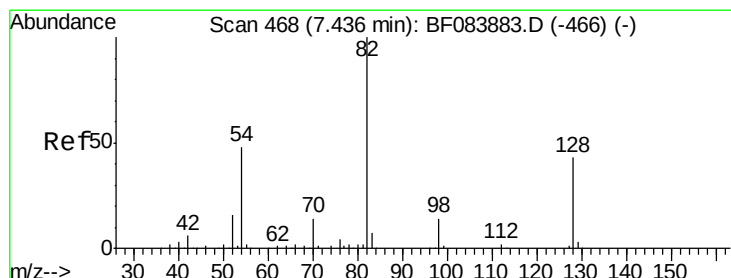
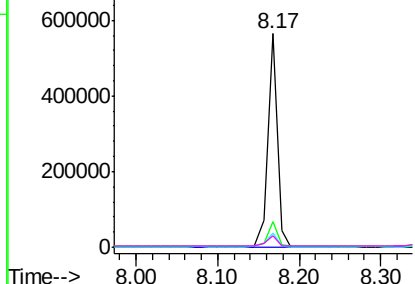
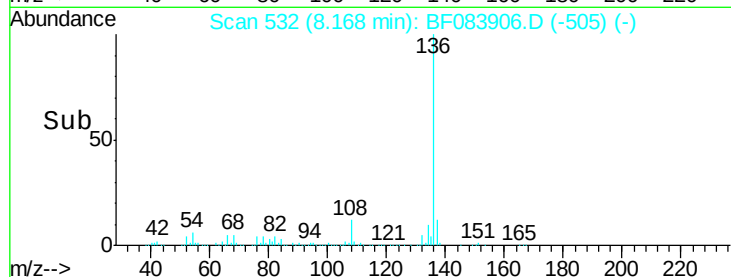
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.01 min
Lab File: BF083906.D
Acq: 18 Dec 2015 9:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	475157
Ion Ratio	Lower	Upper
136	100	
137	11.8	8.7 13.1
54	6.5	5.8 8.8
68	5.1	4.2 6.2

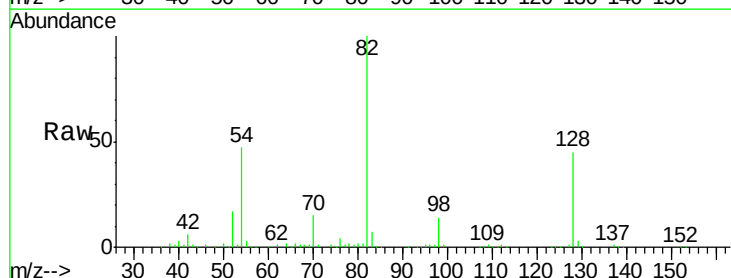


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

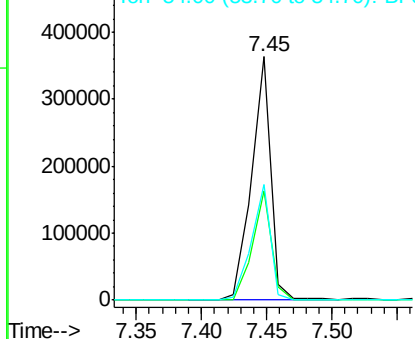
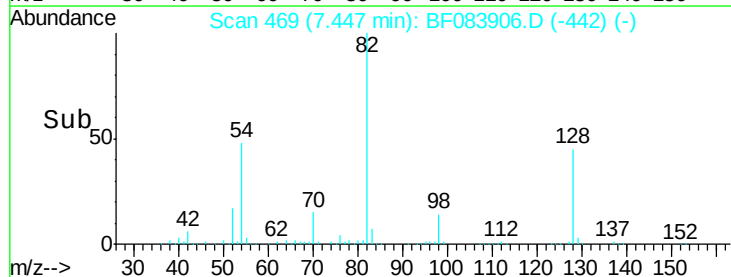


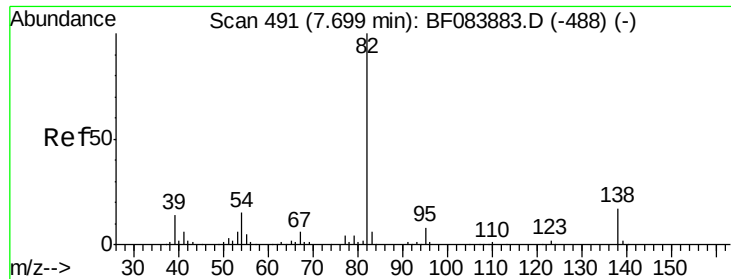
#23
Nitrobenzene-d5
Concen: 44.29 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.01 min
Lab File: BF083906.D
Acq: 18 Dec 2015 9:27

Tgt Ion: 82	Resp:	368740
Ion Ratio	Lower	Upper
82	100	
128	44.9	34.6 51.8
54	47.4	38.4 57.6



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





#25

Isophorone

Concen: 16.93 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.25 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

Instrument :

BNA_F

ClientSampled :

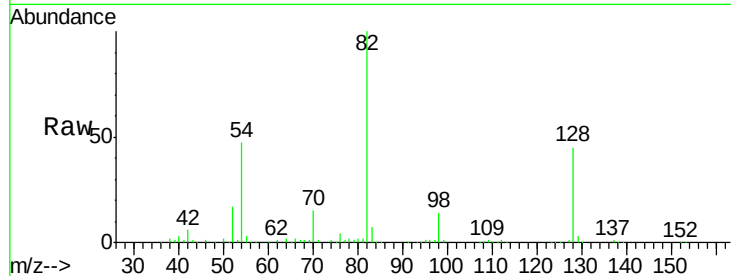
Tot Ion: 82 Resp: 265179

Ion Ratio Lower Upper

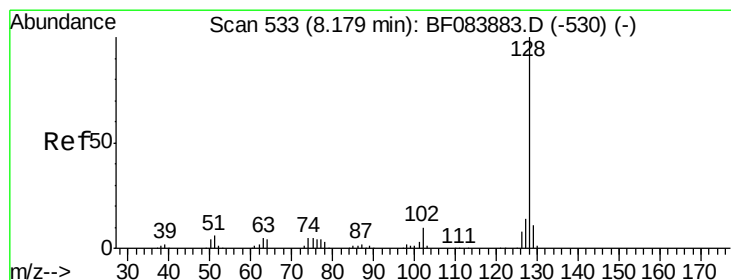
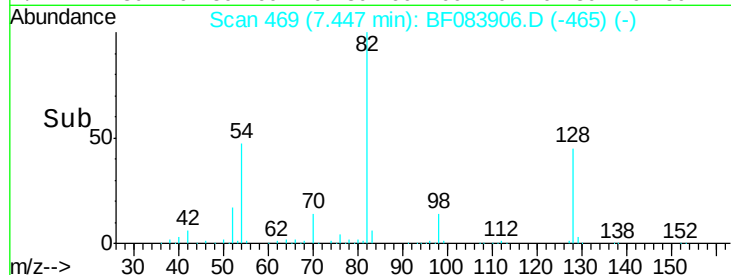
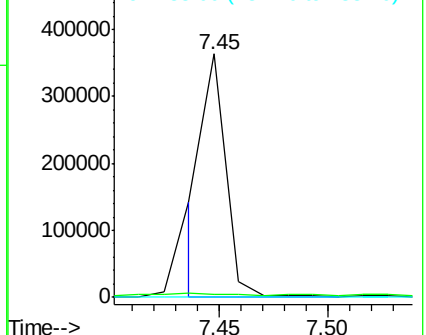
82 100

95 1.3 6.6 10.0#

138 0.1 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: Below Cal

RT: 8.19 min Scan# 534

Delta R.T. 0.01 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

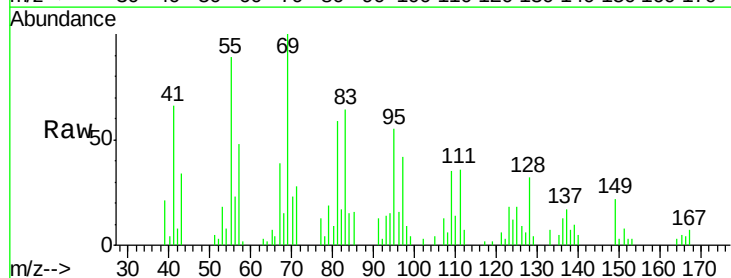
Tgt Ion: 128 Resp: 3732

Ion Ratio Lower Upper

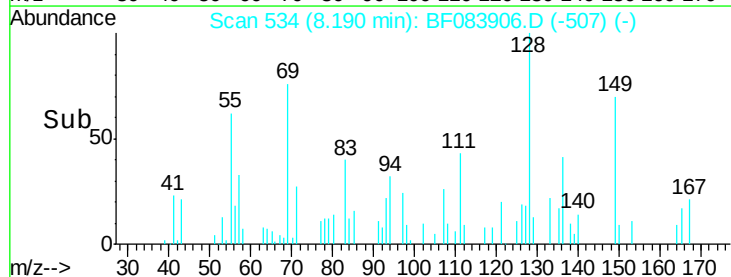
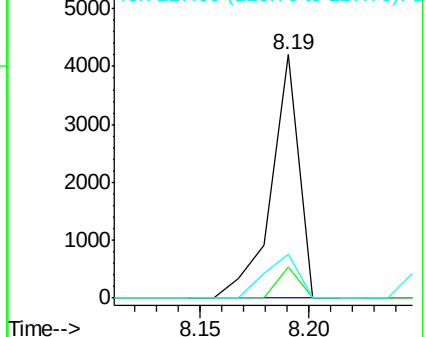
128 100

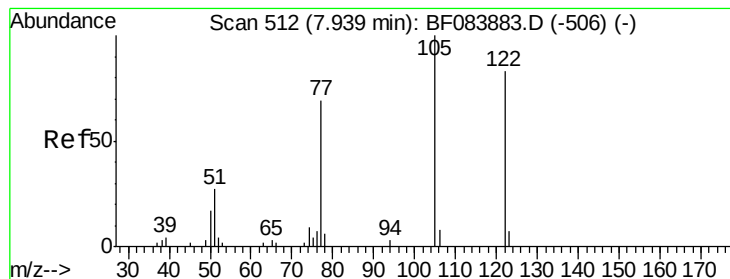
129 12.6 9.1 13.7

127 17.8 11.1 16.7#



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: 3.41 ng

RT: 7.96 min Scan# 514

Delta R.T. 0.02 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

Instrument :

BNA_F

ClientSampleId :

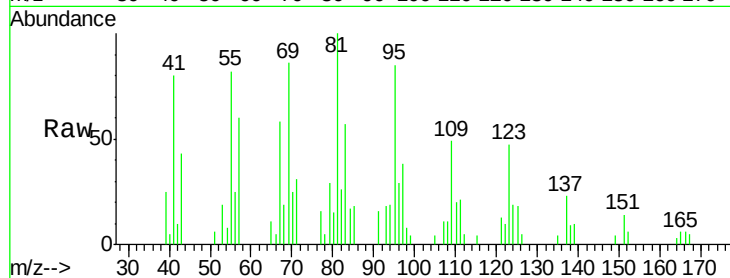
Tot Ion:122 Resp: 4030

Ion Ratio Lower Upper

122 100

105 35.3 100.3 140.3#

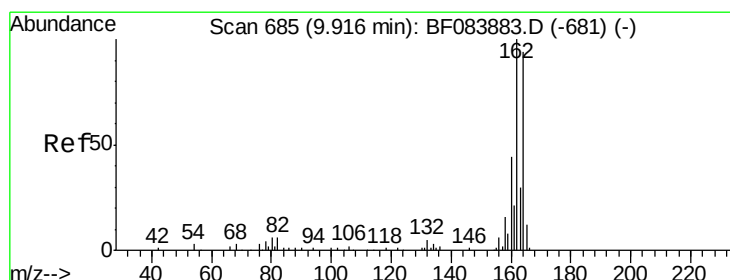
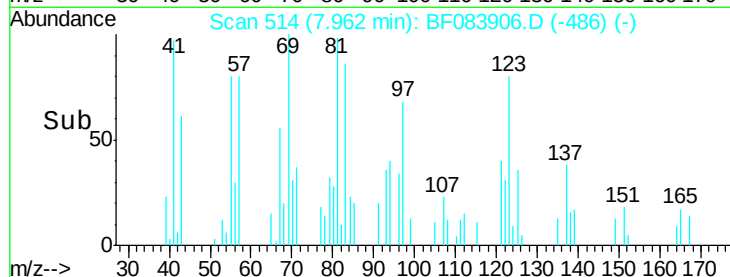
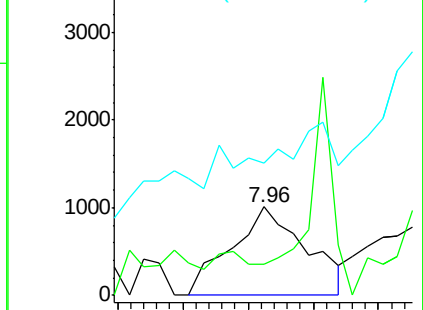
77 150.4 63.5 103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

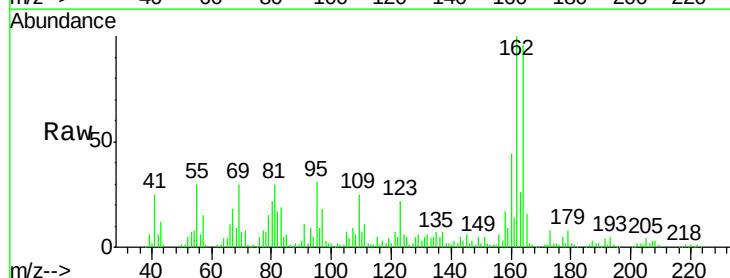
Tgt Ion:164 Resp: 171272

Ion Ratio Lower Upper

164 100

162 104.5 85.1 127.7

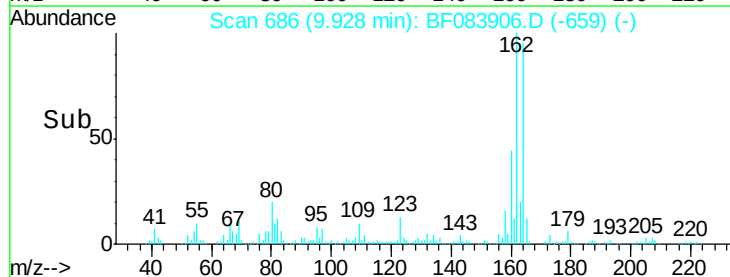
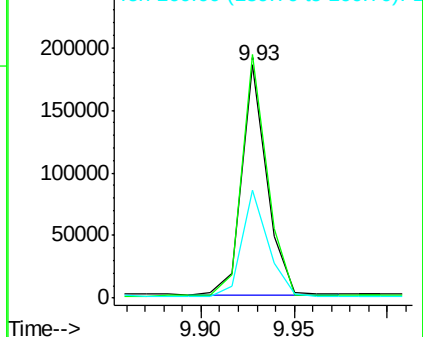
160 46.5 37.5 56.3

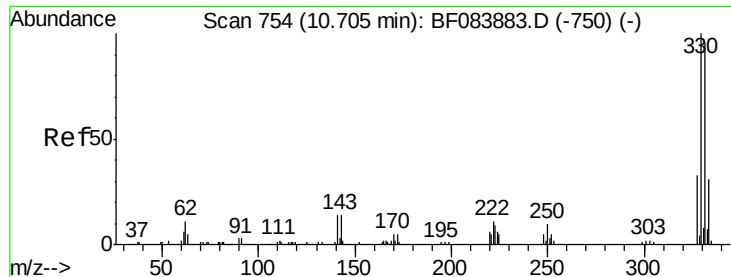


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

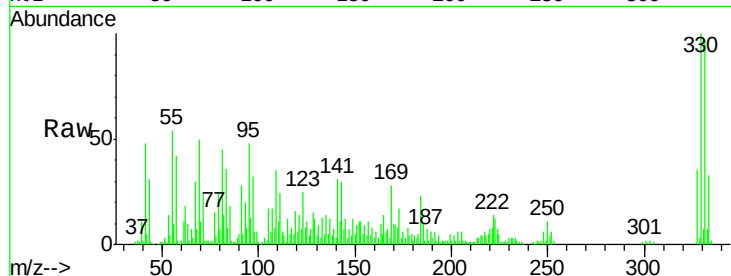




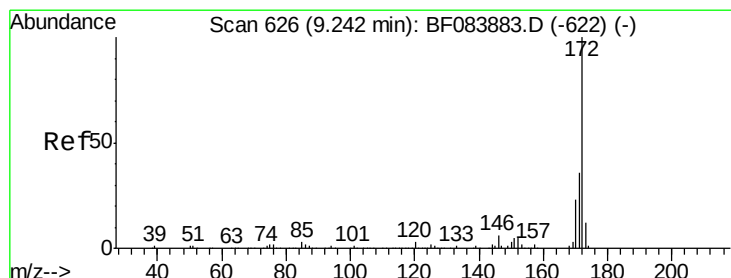
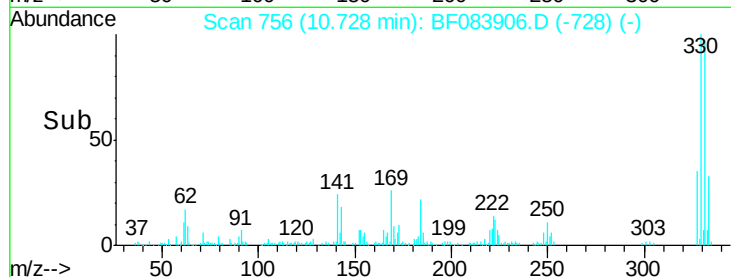
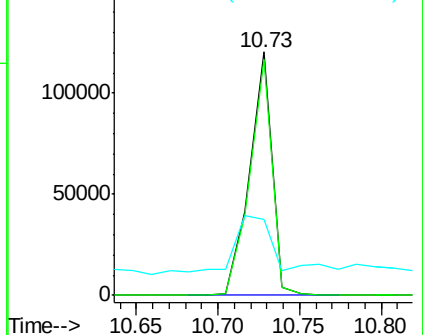
#41
 2,4,6-Tribromophenol
 Concen: 60.85 ng
 RT: 10.73 min Scan# 756
 Delta R.T. 0.02 min
 Lab File: BF083906.D
 Acq: 18 Dec 2015 9:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 114820
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 114.8
 141 43.2 27.8 41.6#

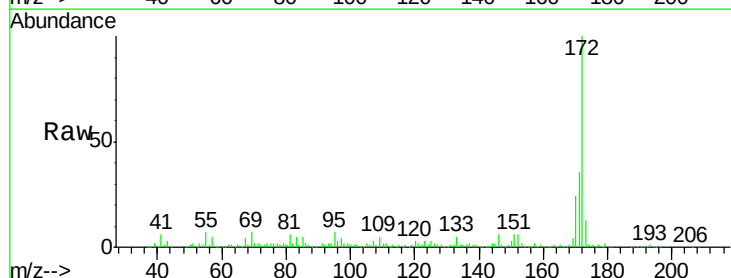


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

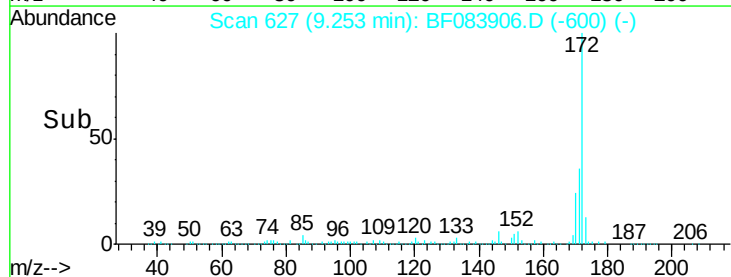
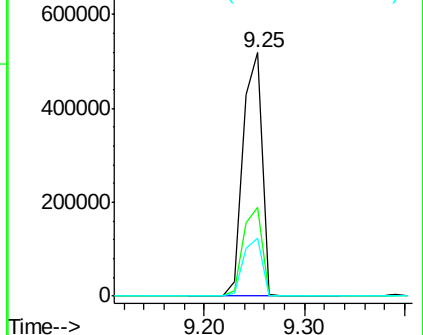


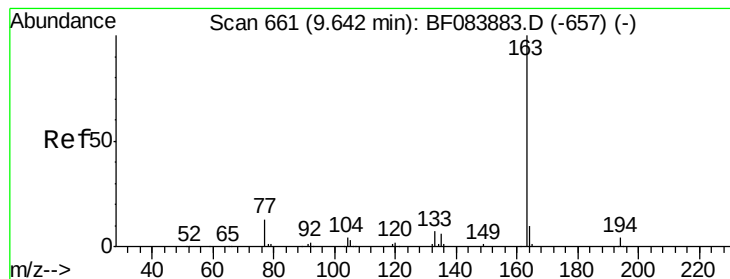
#44
 2-Fluorobiphenyl
 Concen: 52.43 ng
 RT: 9.25 min Scan# 627
 Delta R.T. 0.01 min
 Lab File: BF083906.D
 Acq: 18 Dec 2015 9:27

Tgt Ion:172 Resp: 679809
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.9 43.3
 170 23.6 18.6 27.8



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





#49

Dimethylphthalate

Concen: 10.28 ng

RT: 9.64 min Scan# 661

Delta R.T. 0.00 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

Instrument :

BNA_F

ClientSampleId :

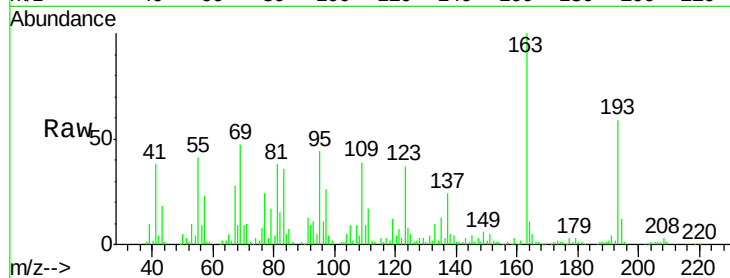
Tot Ion:163 Resp: 147683

Ion Ratio Lower Upper

163 100

194 12.5 3.0 4.6#

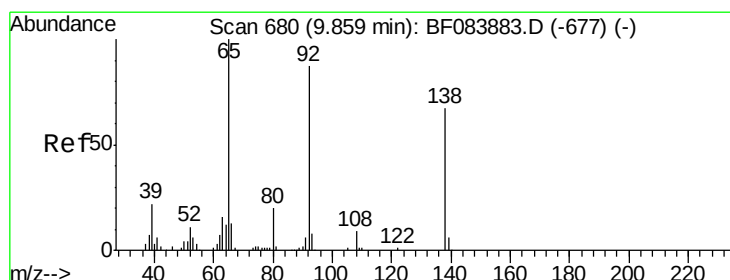
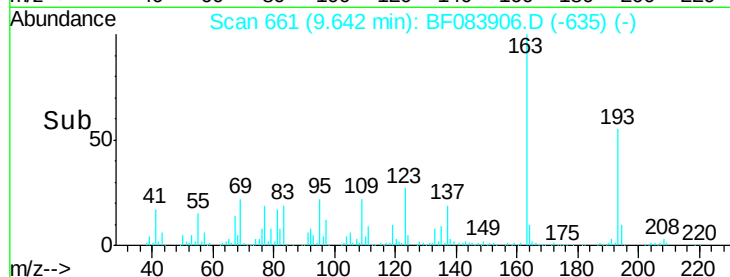
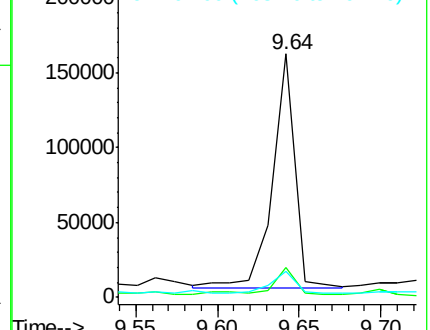
164 10.8 7.9 11.9



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



#52

3-Nitroaniline

Concen: 5.27 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.02 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

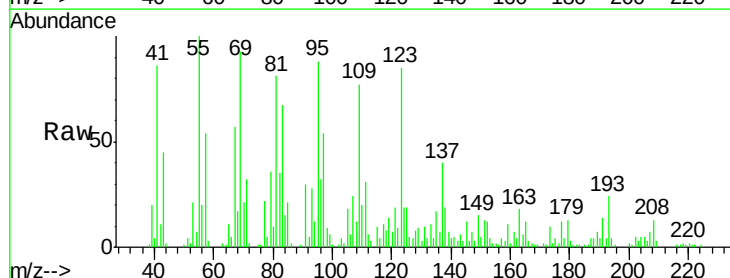
Tgt Ion:138 Resp: 17400

Ion Ratio Lower Upper

138 100

108 65.6 10.5 15.7#

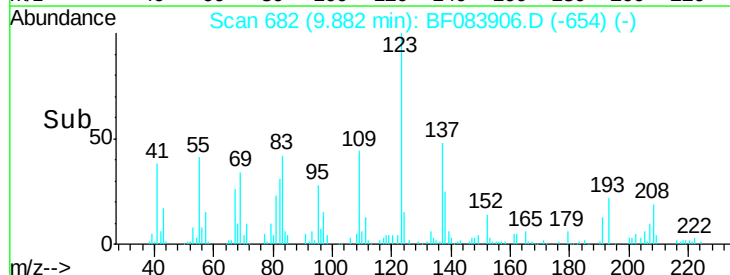
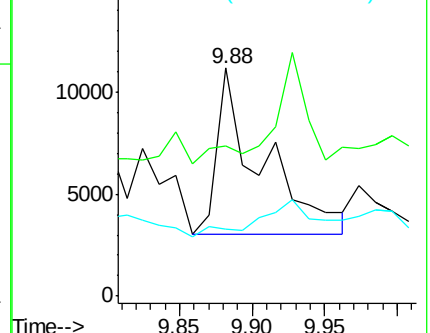
92 29.3 103.9 155.9#

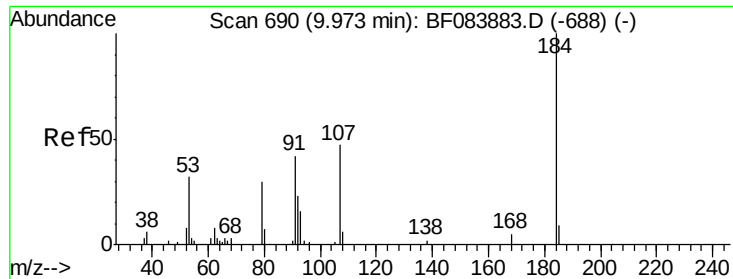


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

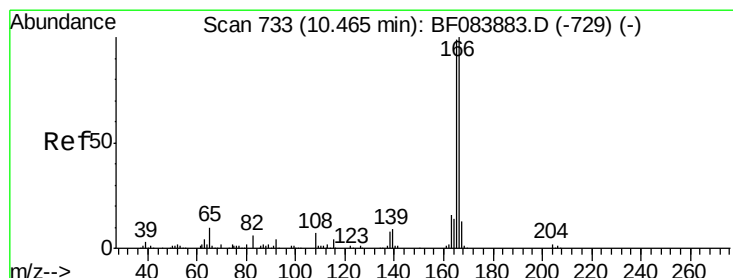
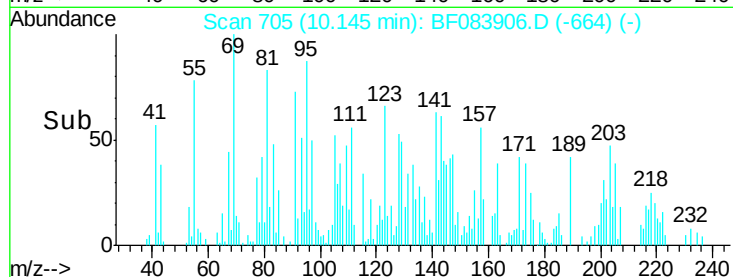
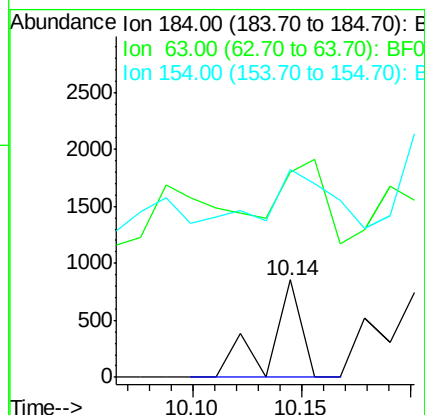
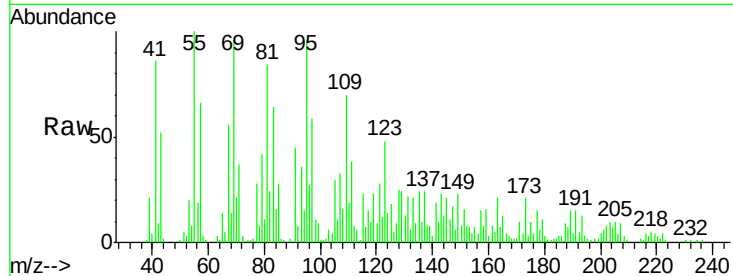




#53
2,4-Dinitrophenol
Concen: 10.96 na
RT: 10.14 min Scan# 705
Delta R.T. 0.17 min
Lab File: BF083906.D
Acq: 18 Dec 2015 9:27

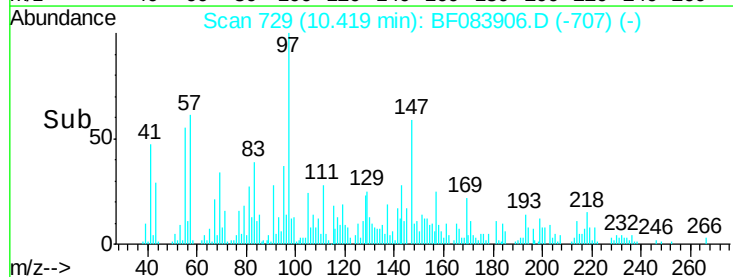
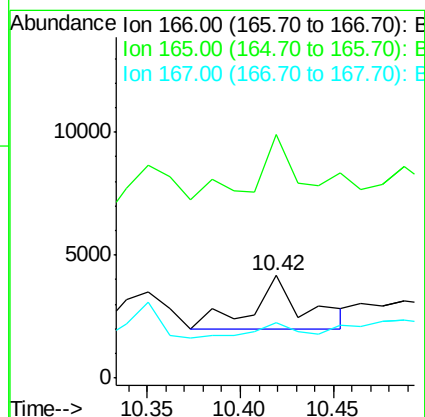
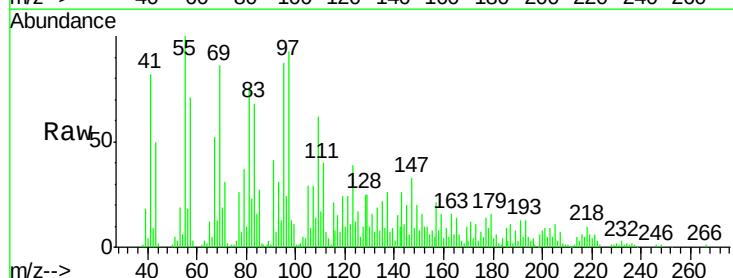
Instrument :
BNA_F
ClientSampled :

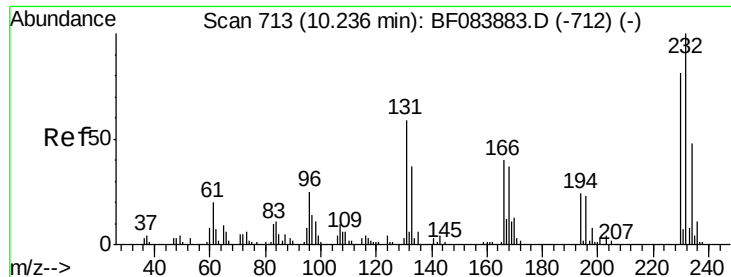
Tot Ion:184 Resp: 854
Ion Ratio Lower Upper
184 100
63 210.4 43.1 64.7#
154 213.3 60.5 90.7#



#57
Fluorene
Concen: Below Cal
RT: 10.42 min Scan# 729
Delta R.T. -0.04 min
Lab File: BF083906.D
Acq: 18 Dec 2015 9:27

Tgt Ion:166 Resp: 4126
Ion Ratio Lower Upper
166 100
165 237.6 79.1 118.7#
167 53.9 10.4 15.6#

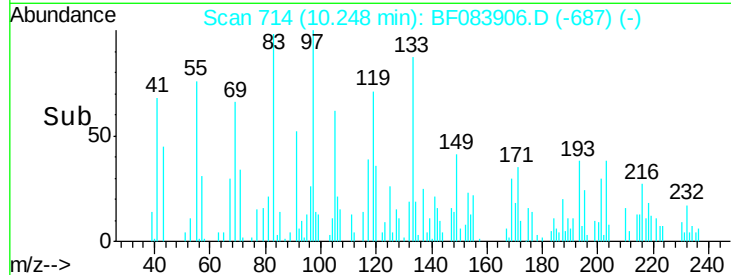
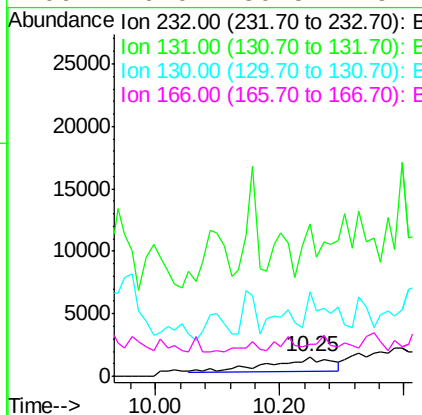
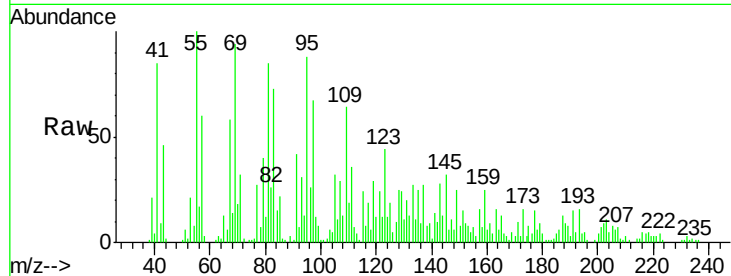




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 3.02 ng
 RT: 10.25 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: BF083906.D
 Acq: 18 Dec 2015 9:27

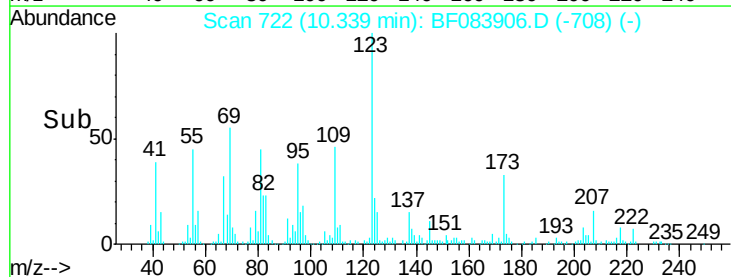
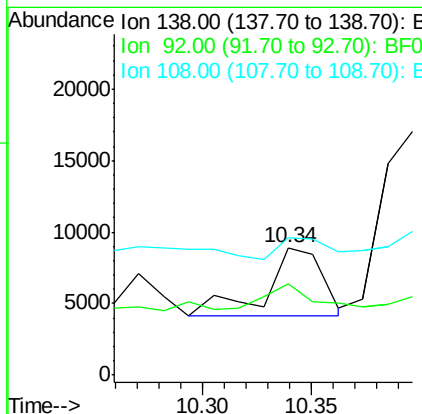
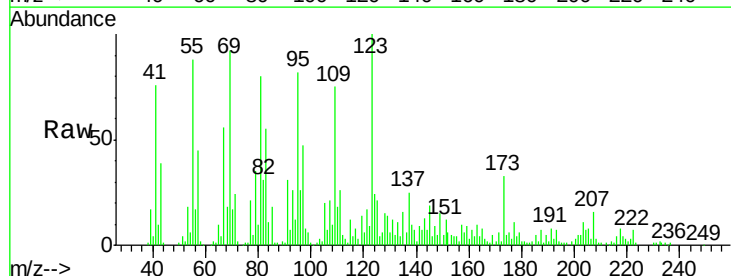
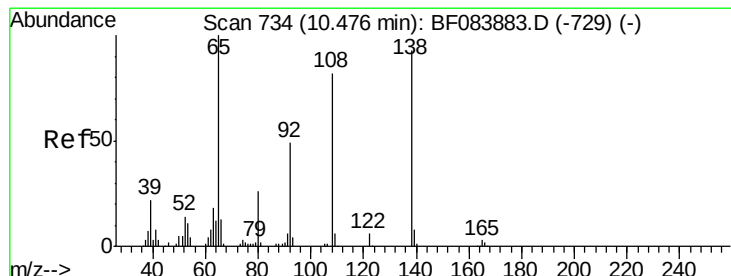
Instrument :
 BNA_F
 ClientSampleId :

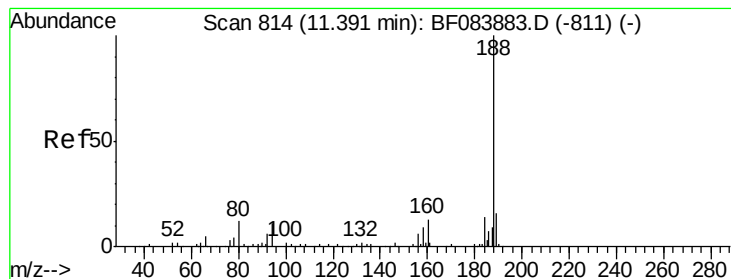
Tot Ion:232 Resp: 7890
 Ion Ratio Lower Upper
 232 100
 131 75.6 47.0 70.6#
 130 74.2 2.0 3.0#
 166 0.0 30.5 45.7#



#61
 4-Nitroaniline
 Concen: 2.54 ng
 RT: 10.34 min Scan# 722
 Delta R.T. -0.14 min
 Lab File: BF083906.D
 Acq: 18 Dec 2015 9:27

Tgt Ion:138 Resp: 8686
 Ion Ratio Lower Upper
 138 100
 92 71.2 32.6 72.6
 108 107.5 68.6 108.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.03 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

Instrument :

BNA_F

ClientSampleId :

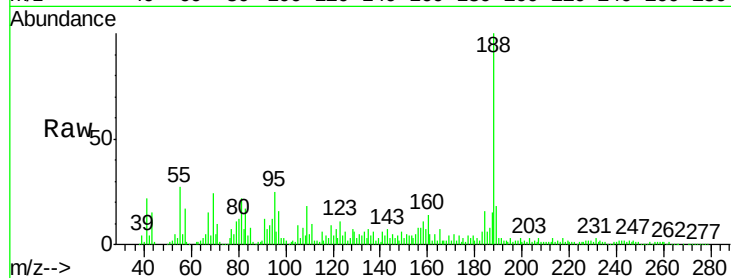
Tot Ion:188 Resp: 244164

Ion Ratio Lower Upper

188 100

94 12.2 9.0 13.4

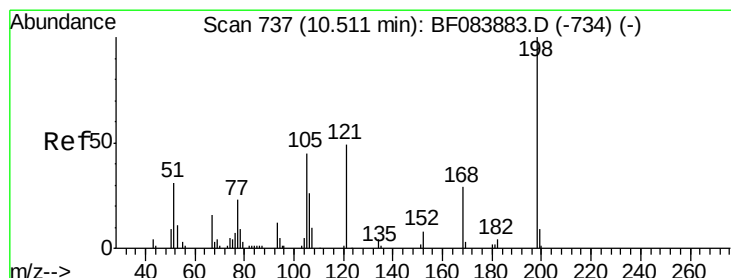
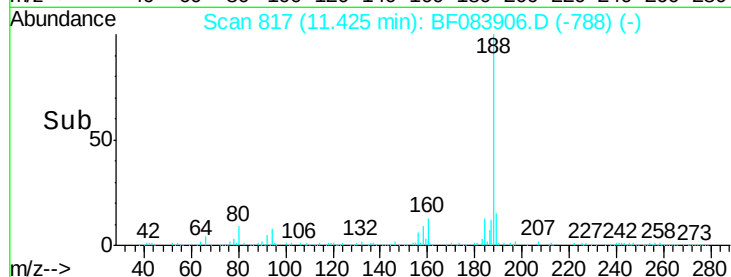
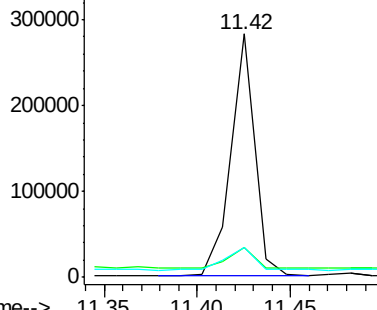
80 12.2 9.6 14.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 5.12 ng

RT: 10.54 min Scan# 740

Delta R.T. 0.03 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

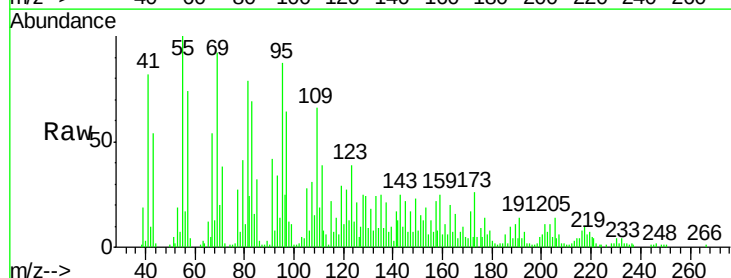
Tgt Ion:198 Resp: 1945

Ion Ratio Lower Upper

198 100

51 257.5 18.9 58.9#

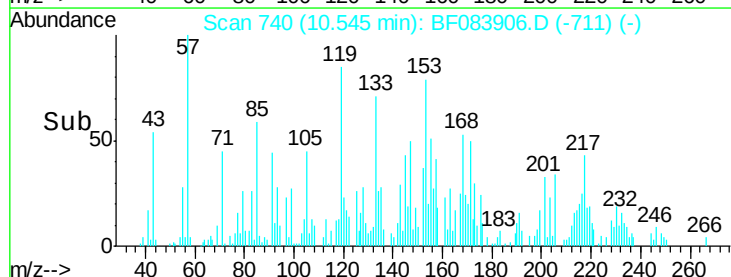
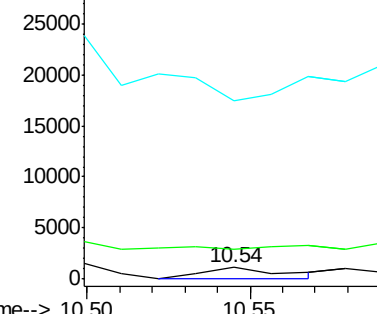
105 1568.4 26.4 66.4#

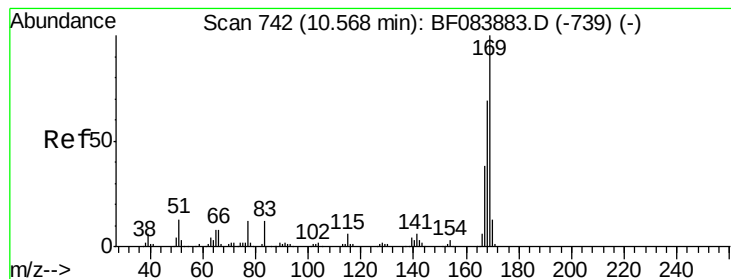


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 4.33 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.02 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

Instrument :

BNA_F

ClientSampleId :

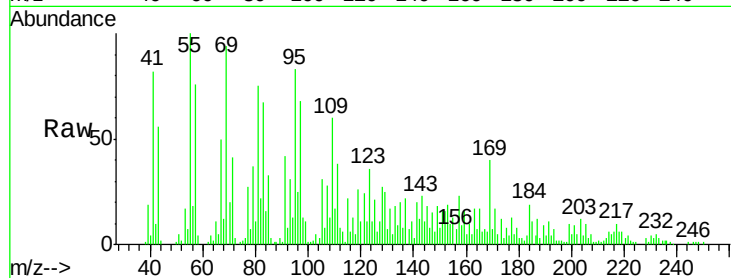
Tot Ion:169 Resp: 38508

Ion Ratio Lower Upper

169 100

168 15.4 55.1 82.7#

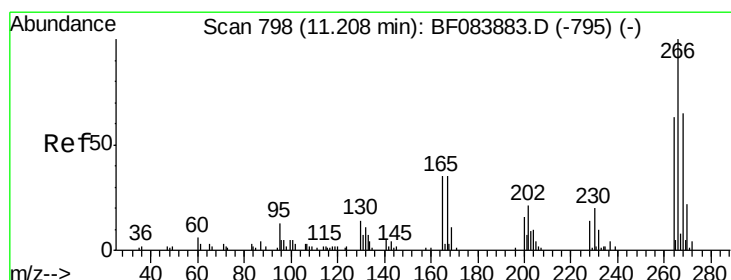
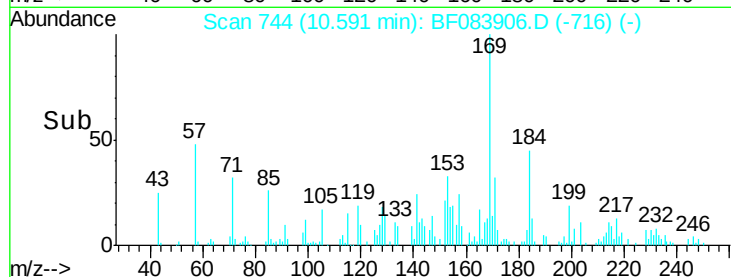
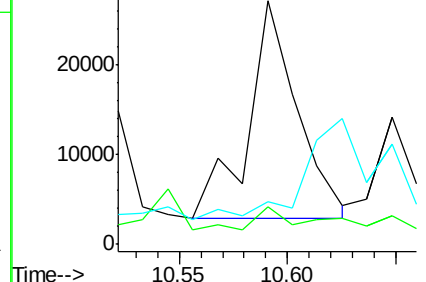
167 17.5 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Pentachlorophenol

Concen: 5.73 ng

RT: 11.26 min Scan# 803

Delta R.T. 0.06 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

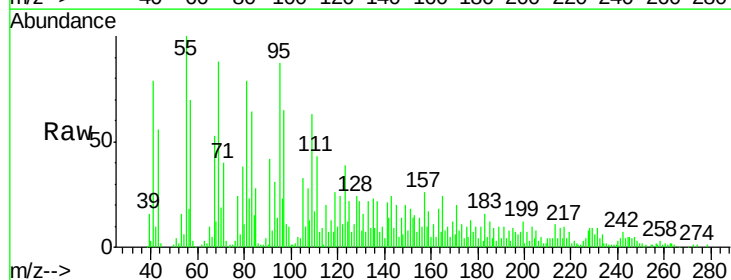
Tgt Ion:266 Resp: 1437

Ion Ratio Lower Upper

266 100

268 0.0 52.4 78.6#

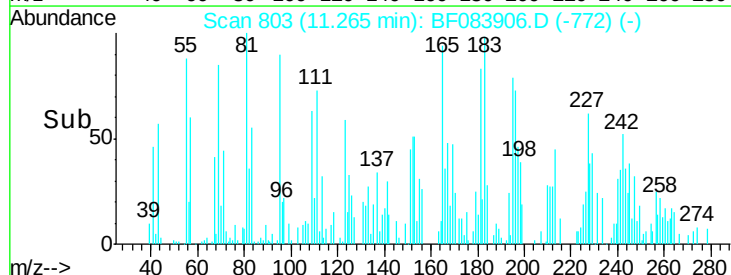
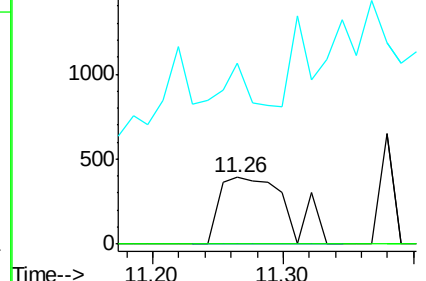
264 270.9 50.2 75.2#

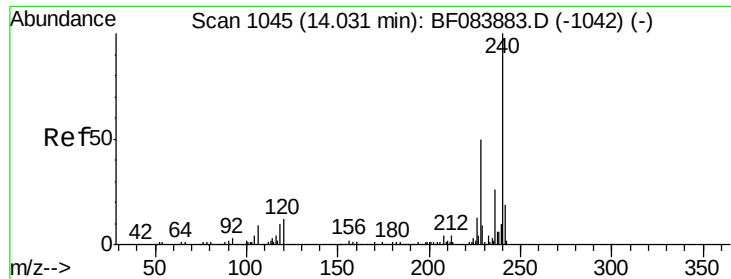


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. 0.02 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

Instrument :

BNA_F

ClientSampleId :

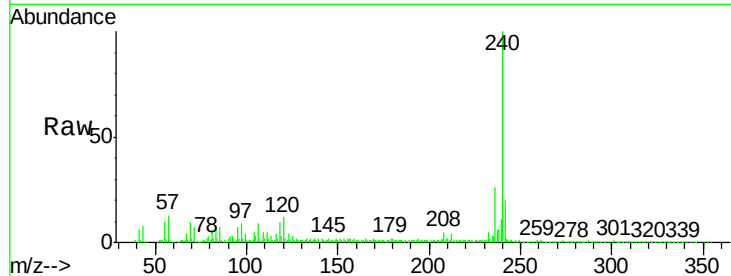
Tot Ion:240 Resp: 235043

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

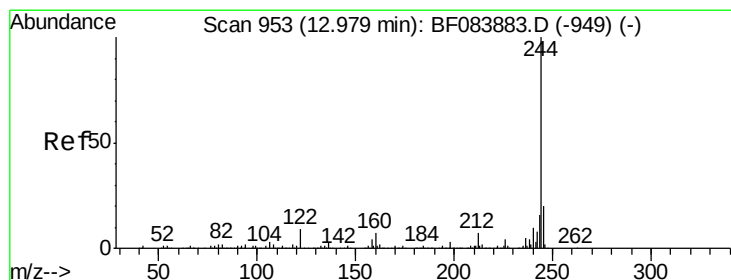
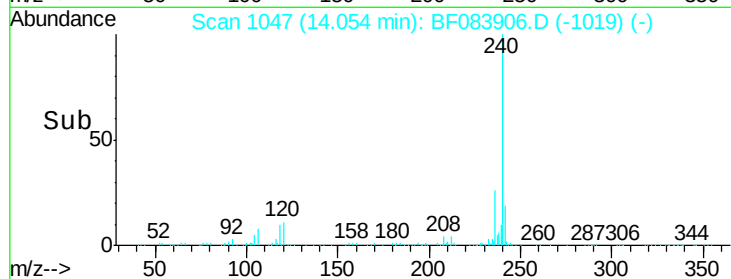
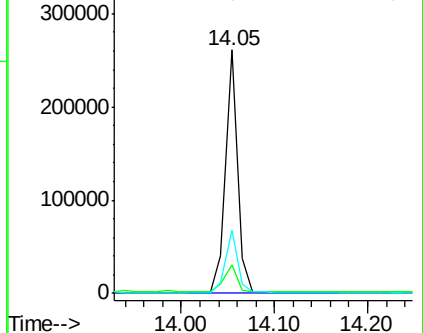
236 26.1 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 35.77 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.02 min

Lab File: BF083906.D

Acq: 18 Dec 2015 9:27

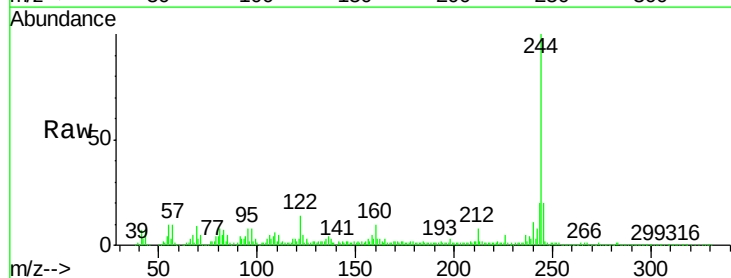
Tgt Ion:244 Resp: 396119

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

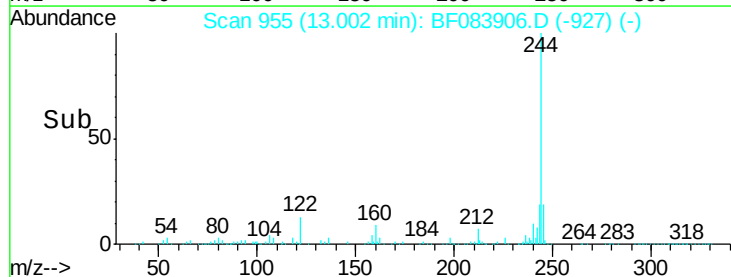
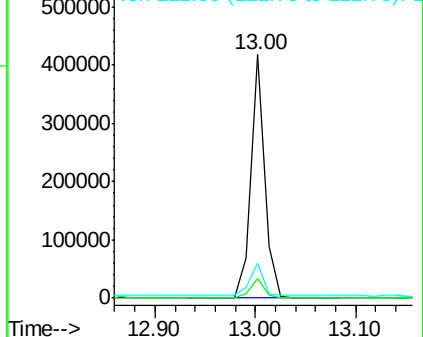
122 14.2 7.4 11.0#

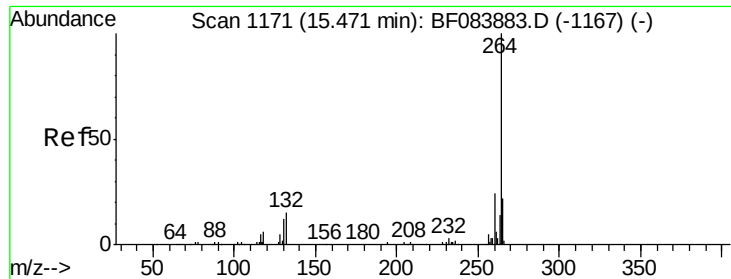


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

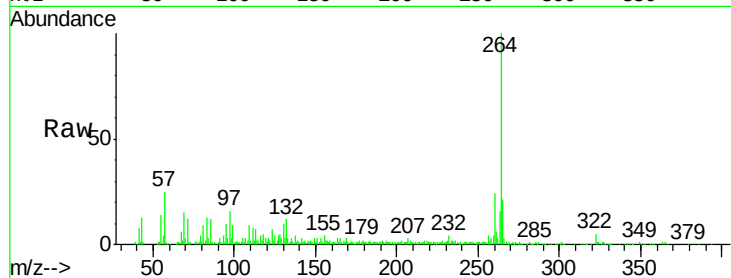




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.03 min
Lab File: BF083906.D
Acq: 18 Dec 2015 9:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.4	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

