

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\
 Data File : BF082309.D
 Acq On : 15 Oct 2015 15:10
 Operator : UM/IZ
 Sample : G4015-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-3

Quant Time: Oct 16 01:10:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 01:04:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	73814	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	288263	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	121821	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	194158	20.00	ng	0.01
75) Chrysene-d12	14.12	240	134029	20.00	ng	0.02
86) Perylene-d12	15.70	264	123470	20.00	ng	0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	266546	72.88	ng	0.00
7) Phenol-d6	6.47	99	430227	90.39	ng	0.00
23) Nitrobenzene-d5	7.39	82	278574	64.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	51987	45.50	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	630569	85.84	ng	0.00
78) Terphenyl-d14	13.00	244	386236	76.36	ng	0.02

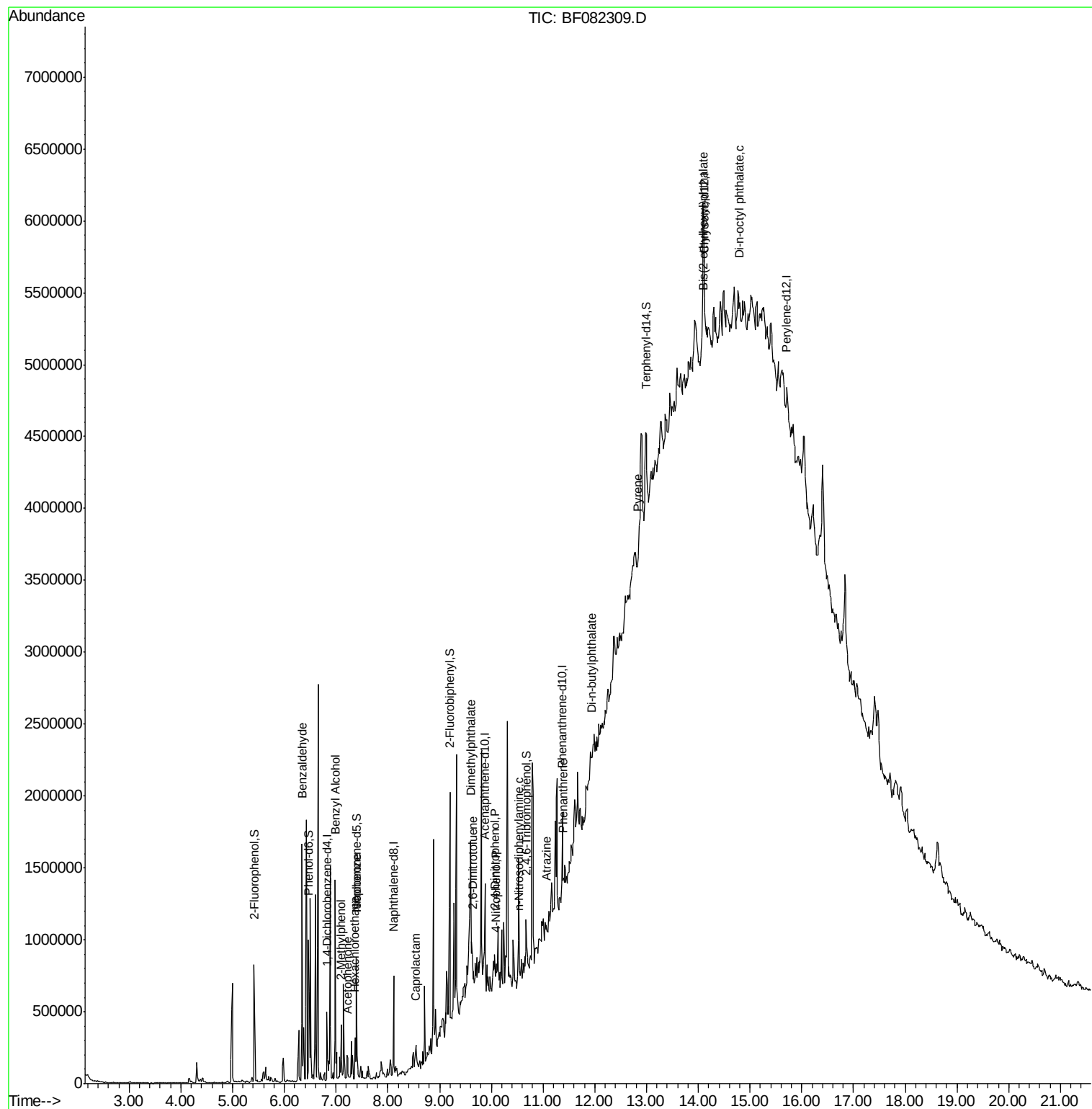
Target Compounds						Qvalue
9) Benzaldehyde	6.34	77	90502	37.24	ng	# 1
15) Benzyl Alcohol	6.98	79	7240	2.20	ng	# 49
17) 2-Methylphenol	7.10	107	39340	11.14	ng	# 71
18) Hexachloroethane	7.36	117	9555	5.14	ng	# 1
22) Acetophenone	7.22	105	43653	7.66	ng	# 53
25) Isophorone	7.39	82	242491	27.99	ng	# 66
35) Caprolactam	8.54	113	4704	4.34	ng	# 1
49) Dimethylphthalate	9.60	163	76777	8.95	ng	# 97
50) 2,6-Dinitrotoluene	9.63	165	29438	16.26	ng	# 36
53) 2,4-Dinitrophenol	10.07	184	510	6.86	ng	# 1
55) 4-Nitrophenol	10.08	139	2958	2.02	ng	# 1
65) n-Nitrosodiphenylamine	10.54	169	13311	2.29	ng	# 62
68) Atrazine	11.06	200	6897	3.74	ng	# 1
70) Phenanthrene	11.40	178	28585	3.00	ng	# 86
73) Di-n-butylphthalate	11.94	149	29849	2.70	ng	# 64
77) Pyrene	12.84	202	22912	2.88	ng	# 7
83) Bis(2-ethylhexyl)phthalate	14.09	149	943721	182.23	ng	# 98
84) Di-n-octyl phthalate	14.80	149	25618	2.88	ng	# 78

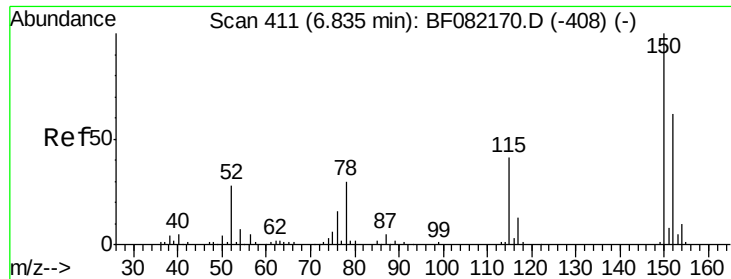
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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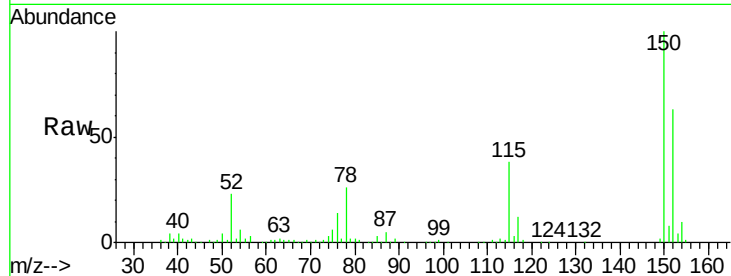


#1

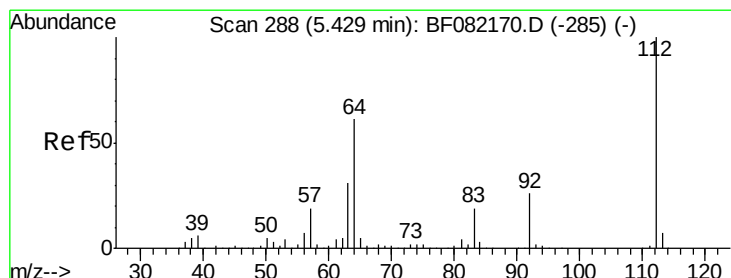
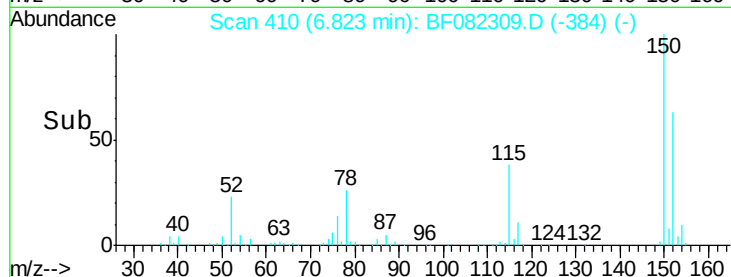
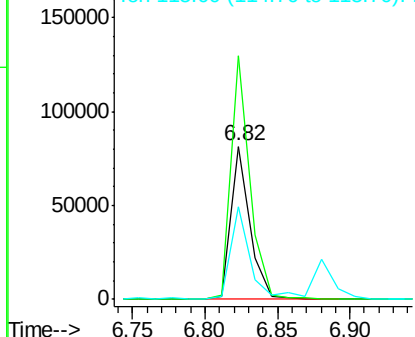
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

Instrument :
BNA_F
ClientSampleId :
CF-3

Tot Ion:152 Resp: 73814
Ion Ratio Lower Upper
152 100
150 159.4 129.0 193.4
115 60.9 52.1 78.1



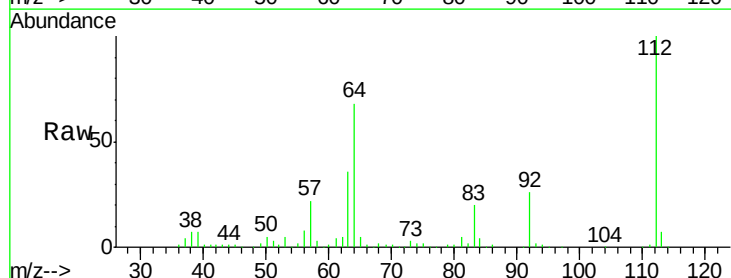
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



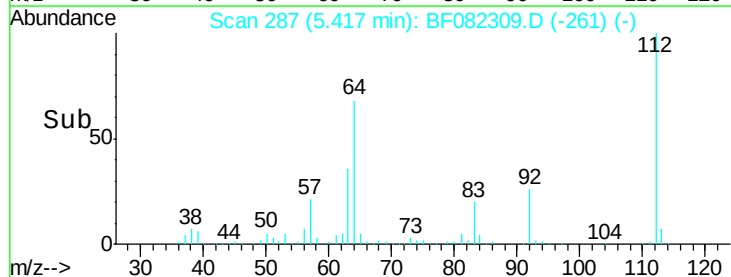
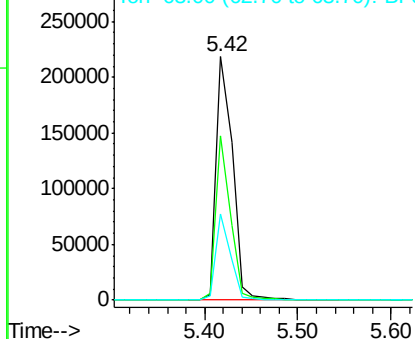
#5

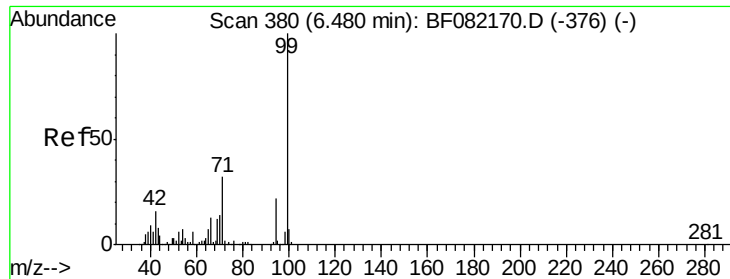
2-Fluorophenol
Concen: 72.88 ng
RT: 5.42 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

Tgt Ion:112 Resp: 266546
Ion Ratio Lower Upper
112 100
64 67.6 48.6 73.0
63 35.6 25.1 37.7



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: 90.39 ng

RT: 6.47 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

Instrument :

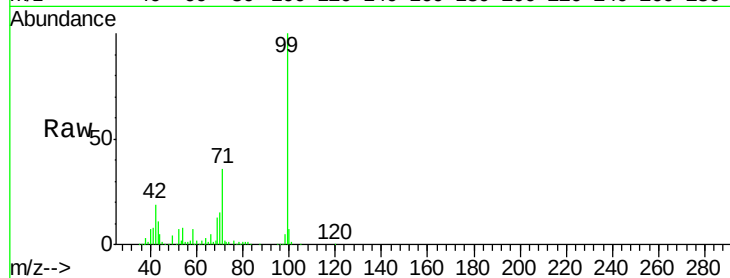
BNA_F

ClientSampleId :

CF-3

Tot Ion: 99 Resp: 430227

Ion	Ratio	Lower	Upper
99	100		
42	19.3	13.2	19.8
71	36.4	25.6	38.4



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

6.47

400000

300000

200000

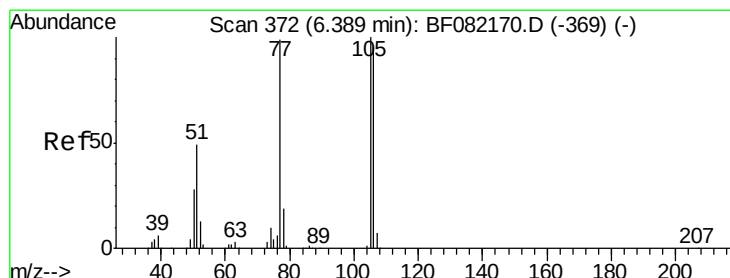
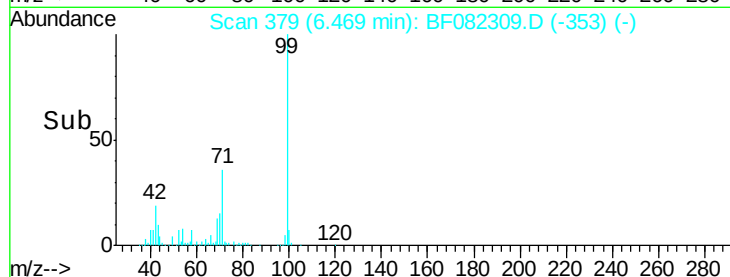
100000

0

6.40

6.50

Time-->



#9

Benzaldehyde

Concen: 37.24 ng

RT: 6.34 min Scan# 368

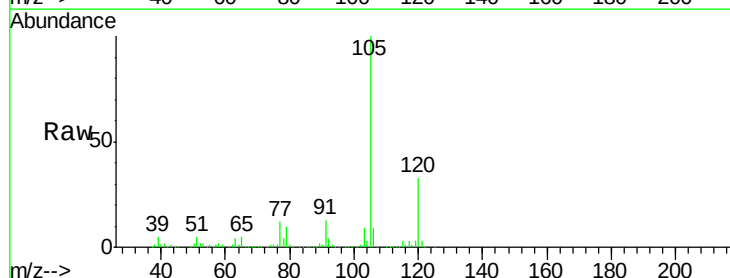
Delta R.T. -0.03 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

Tgt Ion: 77 Resp: 90502

Ion	Ratio	Lower	Upper
77	100		
105	834.2	80.6	120.6#
106	72.9	75.5	115.5#



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

800000

600000

400000

200000

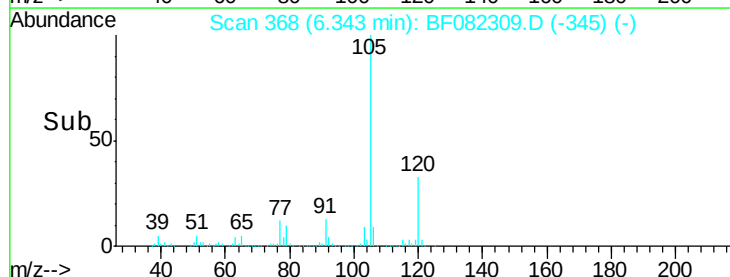
0

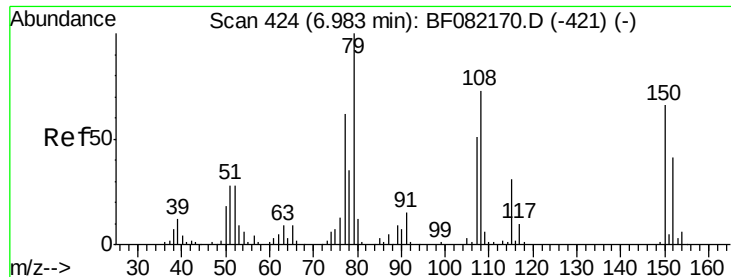
6.30

6.35

6.40

Time-->

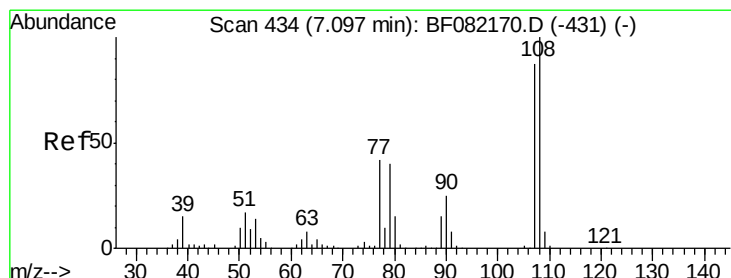
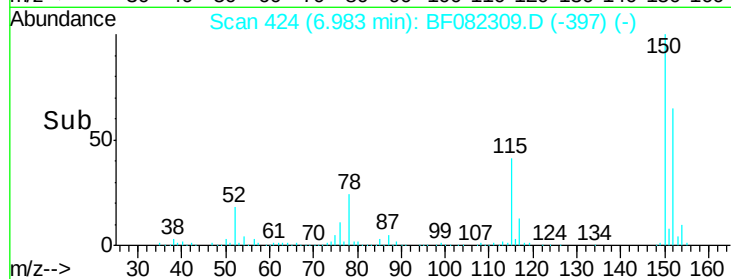
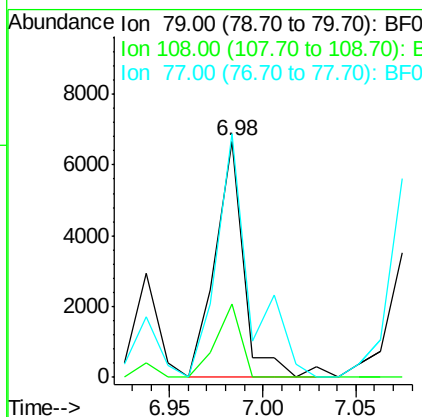
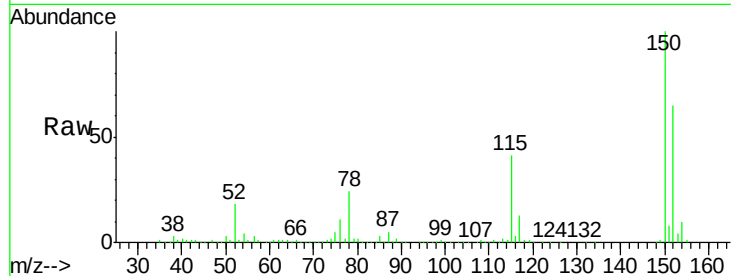




#15
Benzyl Alcohol
Concen: 2.20 ng
RT: 6.98 min Scan# 424
Delta R.T. 0.01 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

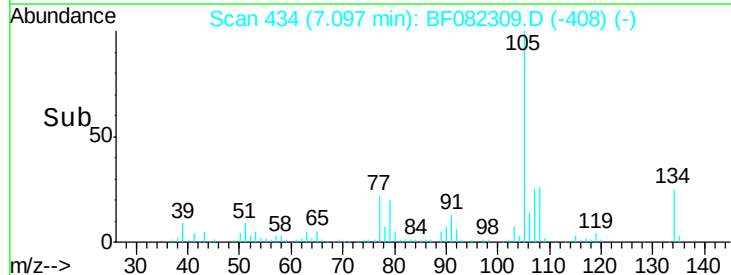
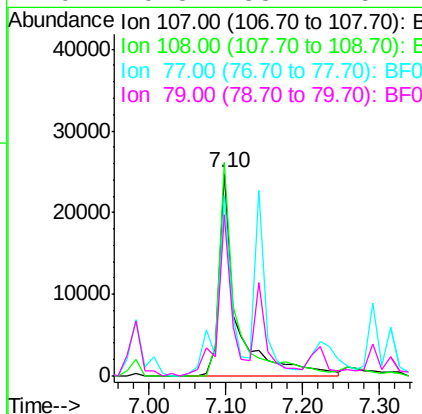
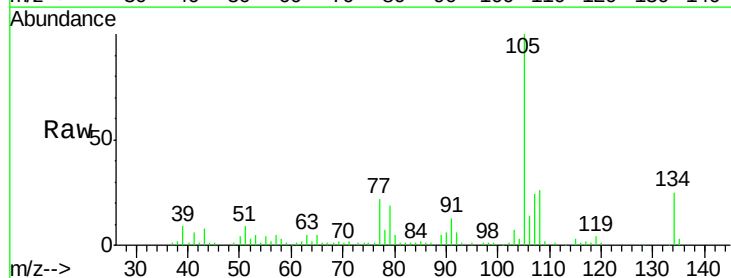
Instrument :
BNA_F
ClientSampled :
CF-3

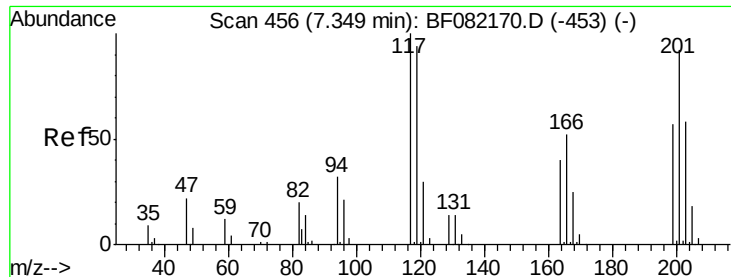
Tot Ion: 79 Resp: 7240
Ion Ratio Lower Upper
79 100
108 31.0 58.4 87.6#
77 103.1 49.8 74.6#



#17
2-Methylphenol
Concen: 11.14 ng
RT: 7.10 min Scan# 434
Delta R.T. 0.00 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

Tgt Ion: 107 Resp: 39340
Ion Ratio Lower Upper
107 100
108 105.6 92.2 138.2
77 89.4 39.6 59.4#
79 79.8 38.2 57.4#

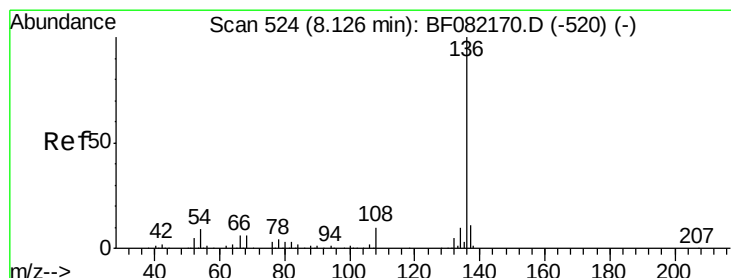
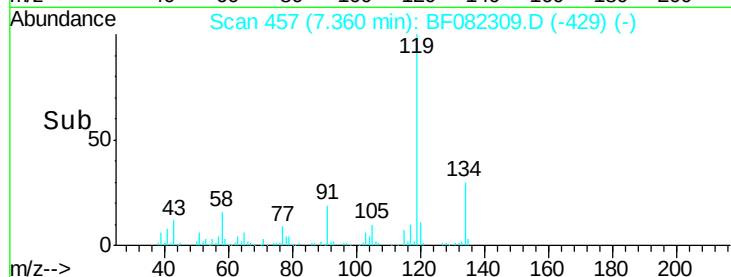
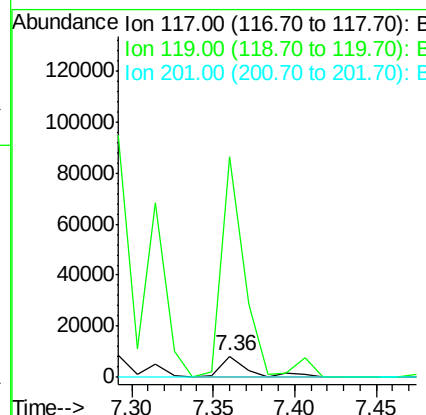
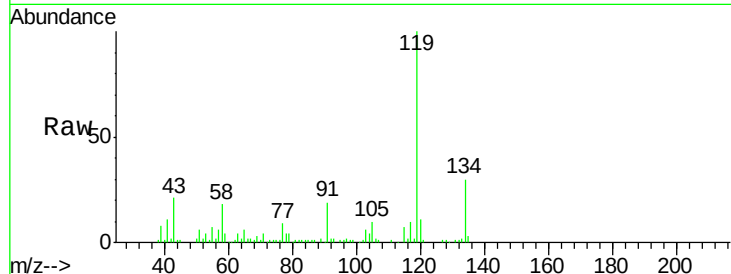




#18
Hexachloroethane
Concen: 5.14 ng
RT: 7.36 min Scan# 457
Delta R.T. 0.02 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

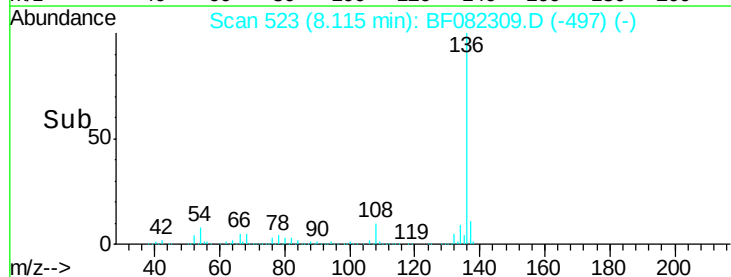
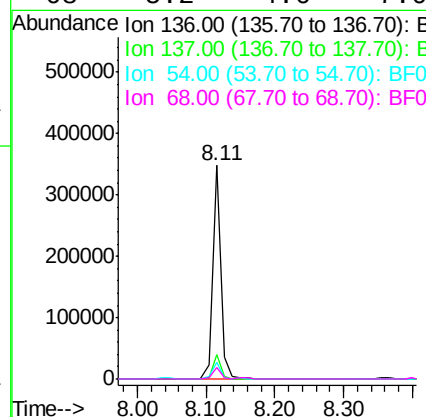
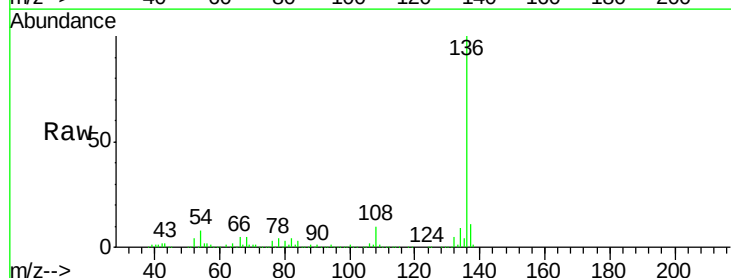
Instrument :
BNA_F
ClientSampleId :
CF-3

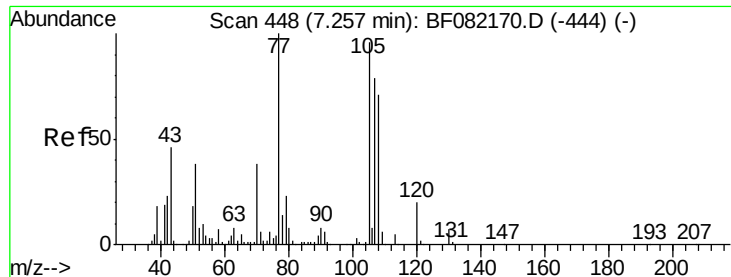
Tot Ion:117 Resp: 9555
Ion Ratio Lower Upper
117 100
119 1029.1 75.4 113.2#
201 0.0 73.4 110.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

Tgt Ion:136 Resp: 288263
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 7.9 7.5 11.3
68 5.2 4.6 7.0

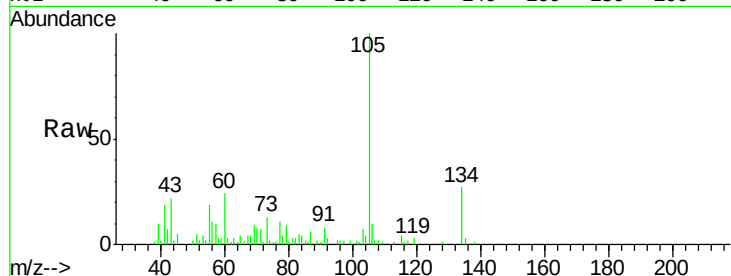




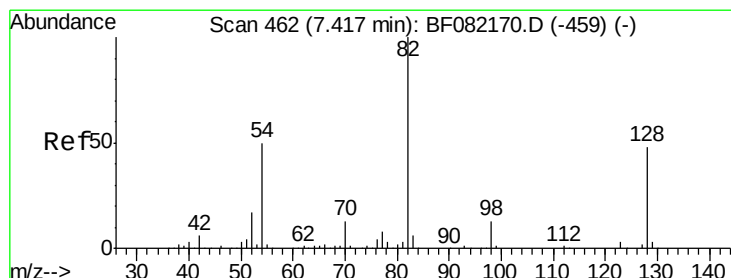
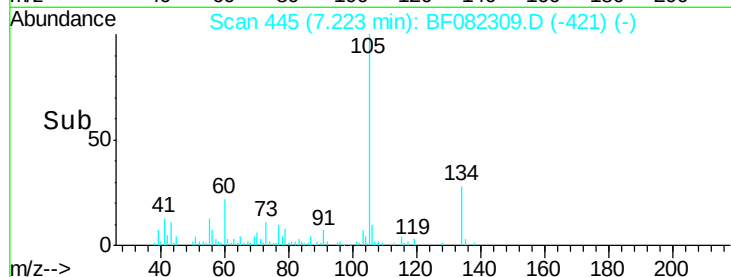
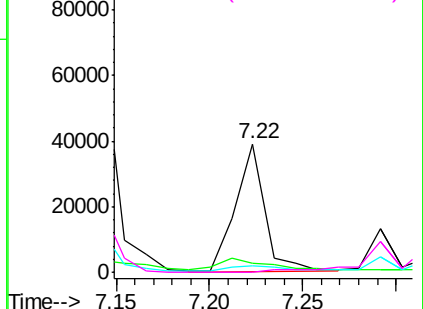
#22
Acetophenone
Concen: 7.66 ng
RT: 7.22 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

Instrument :
BNA_F
ClientSampled :
CF-3

Tot Ion:105 Resp: 43653
Ion Ratio Lower Upper
105 100
71 6.7 5.4 8.0
51 4.7 31.8 47.6#
120 0.0 16.3 24.5#

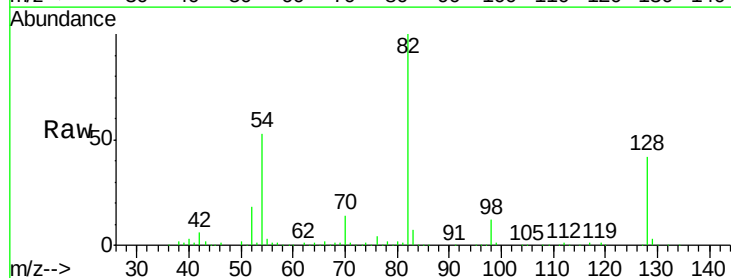


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

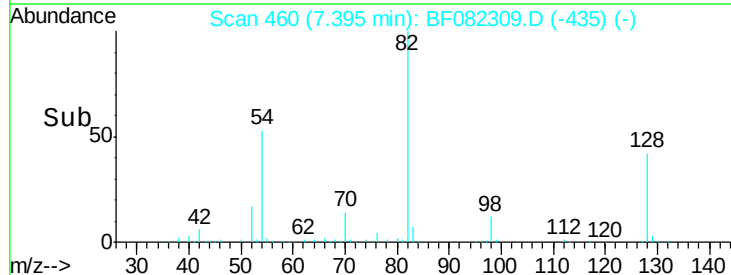
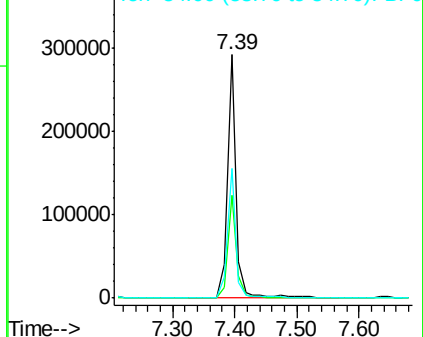


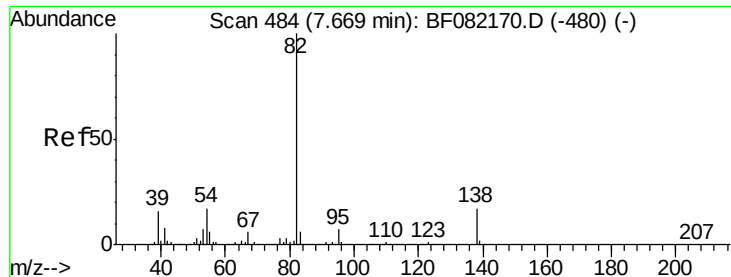
#23
Nitrobenzene-d5
Concen: 64.90 ng
RT: 7.39 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

Tgt Ion: 82 Resp: 278574
Ion Ratio Lower Upper
82 100
128 42.0 38.7 58.1
54 53.2 40.1 60.1



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: 27.99 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.26 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

Instrument :

BNA_F

ClientSampled :

CF-3

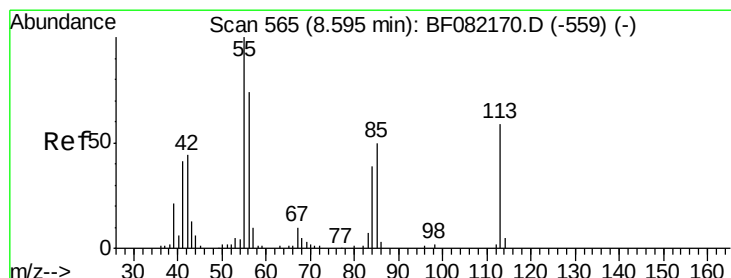
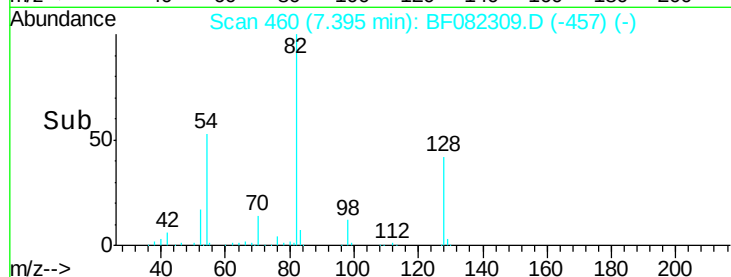
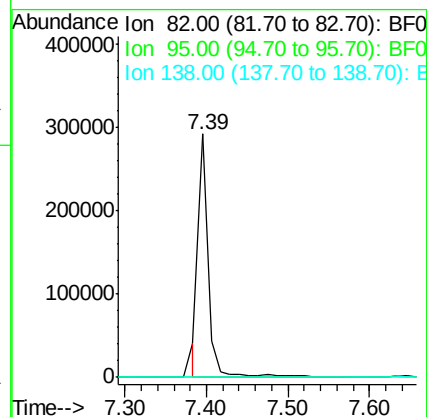
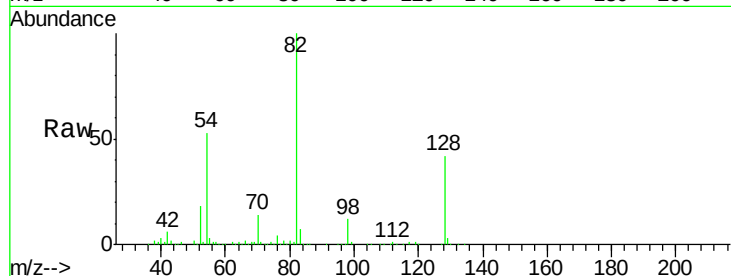
Tot Ion: 82 Resp: 242491

Ion Ratio Lower Upper

82 100

95 0.2 5.6 8.4#

138 0.0 13.6 20.4#



#35

Caprolactam

Concen: 4.34 ng

RT: 8.54 min Scan# 560

Delta R.T. -0.05 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

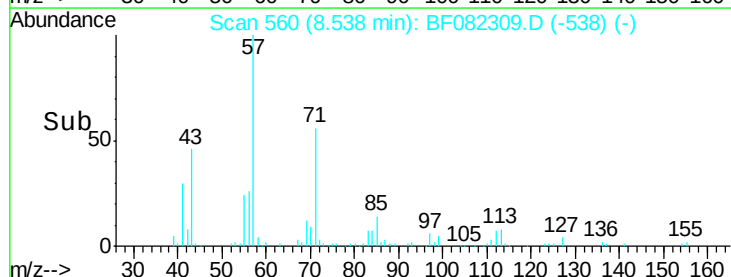
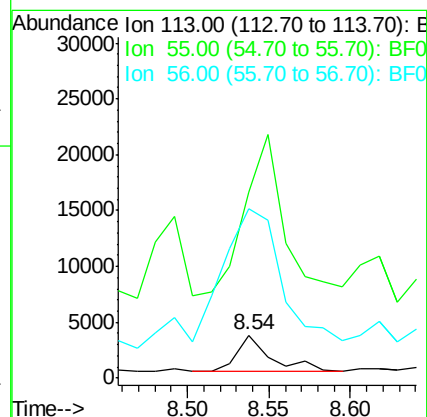
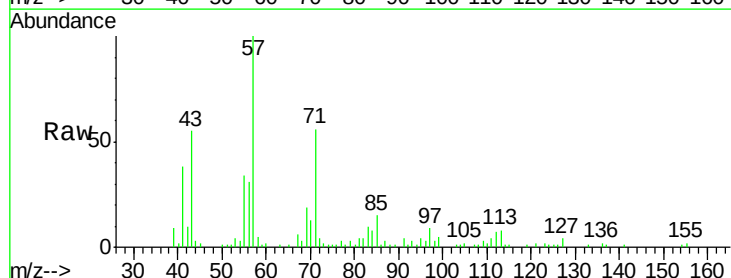
Tgt Ion: 113 Resp: 4704

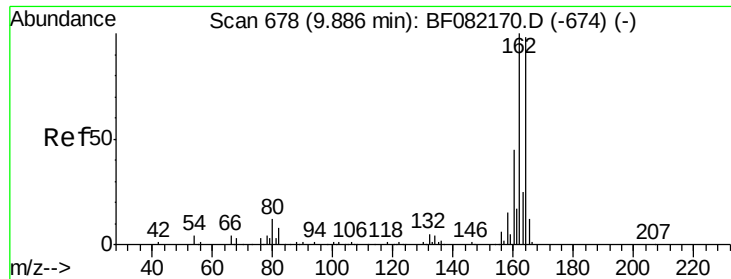
Ion Ratio Lower Upper

113 100

55 435.5 149.7 189.7#

56 396.6 105.4 145.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

Instrument :

BNA_F

ClientSampleId :

CF-3

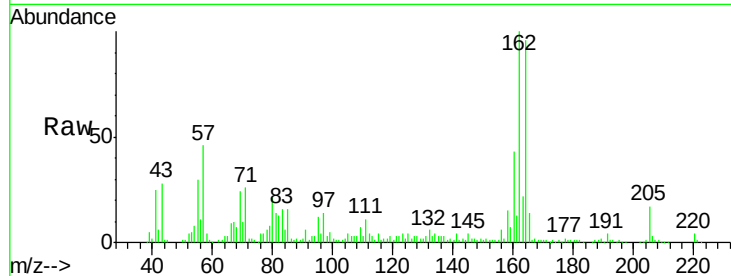
Tot Ion:164 Resp: 121821

Ion Ratio Lower Upper

164 100

162 103.6 81.6 122.4

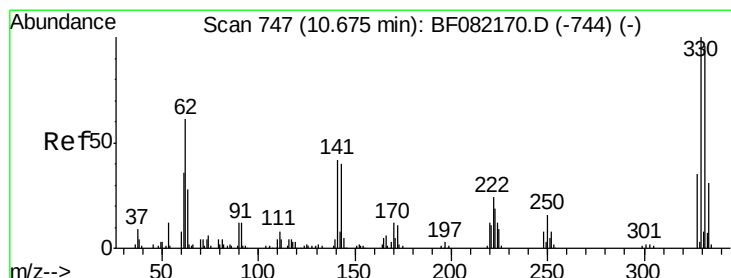
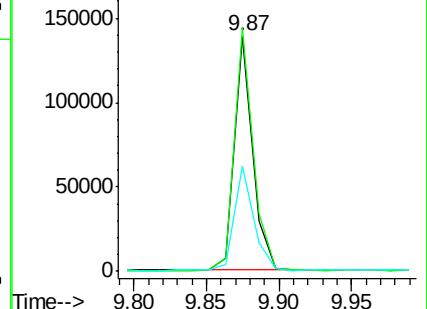
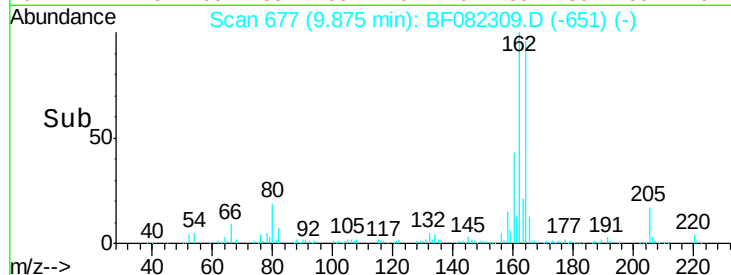
160 44.7 36.4 54.6



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: 45.50 ng

RT: 10.67 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

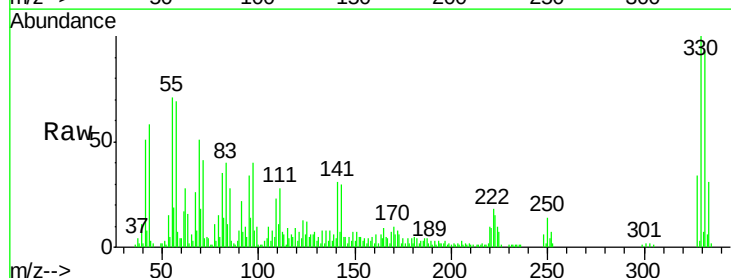
Tgt Ion:330 Resp: 51987

Ion Ratio Lower Upper

330 100

332 94.0 77.1 115.7

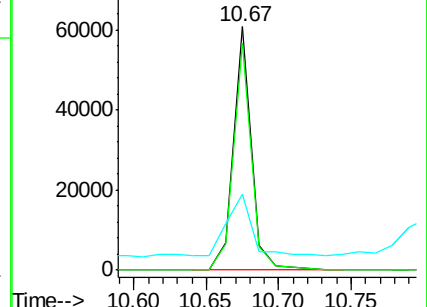
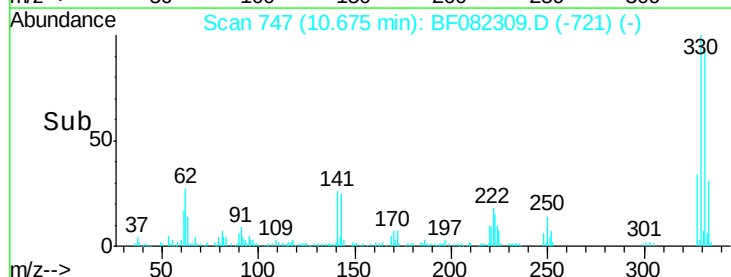
141 34.9 29.8 44.8

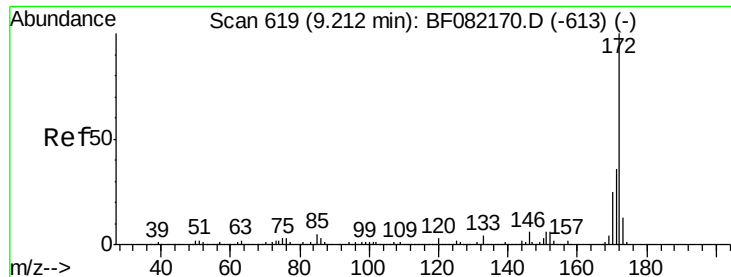


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

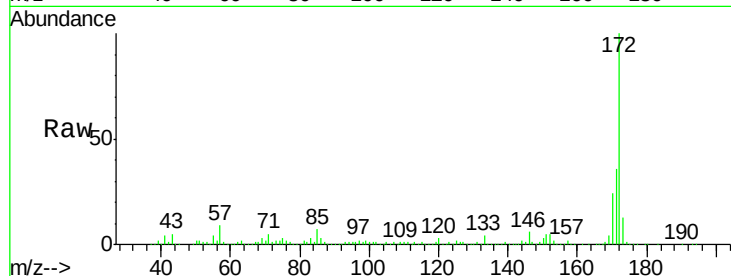




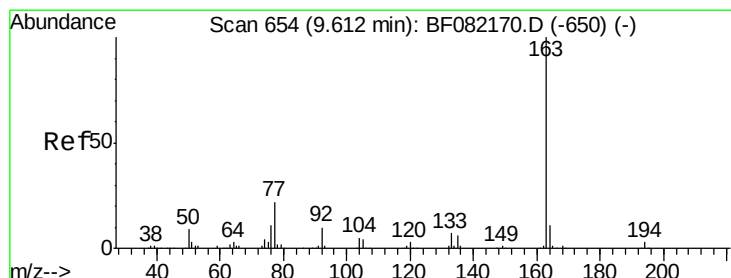
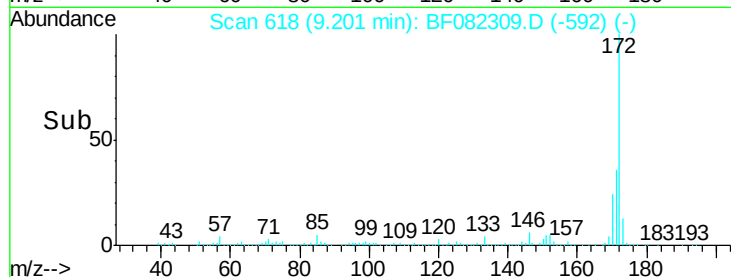
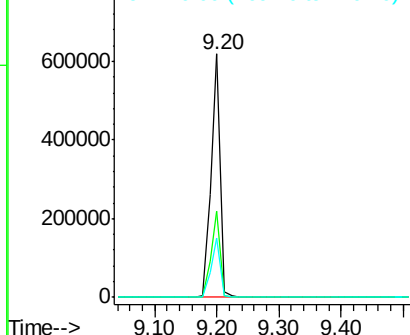
#44
2-Fluorobiphenyl
Concen: 85.84 ng
RT: 9.20 min Scan# 618
Delta R.T. 0.00 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

Instrument :
BNA_F
ClientSampleId :
CF-3

Tot Ion:172 Resp: 630569
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 24.3 19.7 29.5

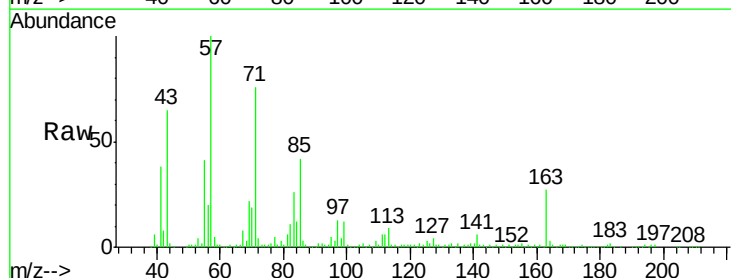


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

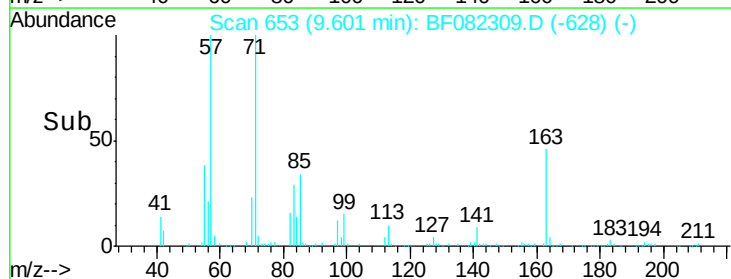
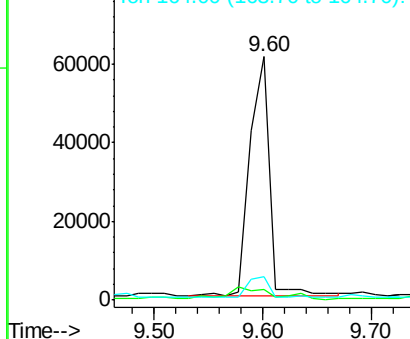


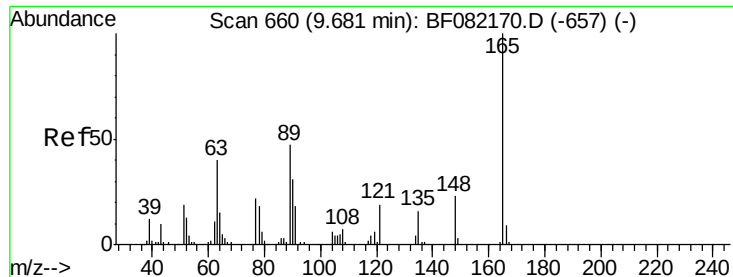
#49
Dimethylphthalate
Concen: 8.95 ng
RT: 9.60 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

Tgt Ion:163 Resp: 76777
Ion Ratio Lower Upper
163 100
194 4.6 2.6 4.0#
164 9.7 8.5 12.7



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

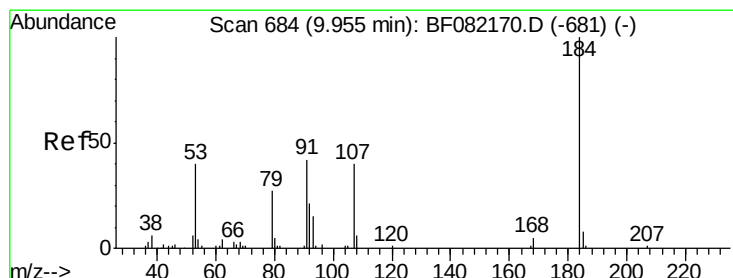
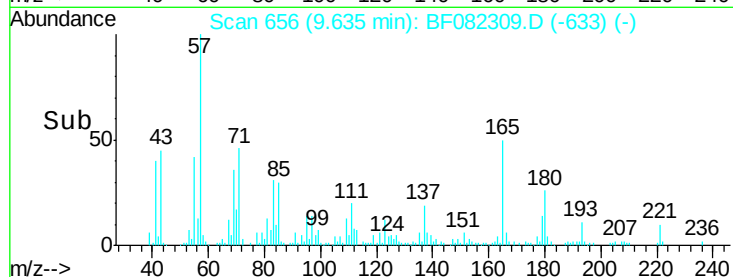
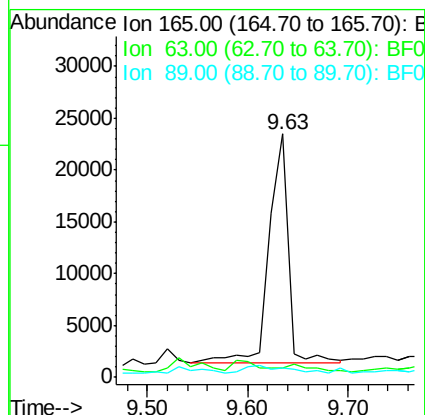
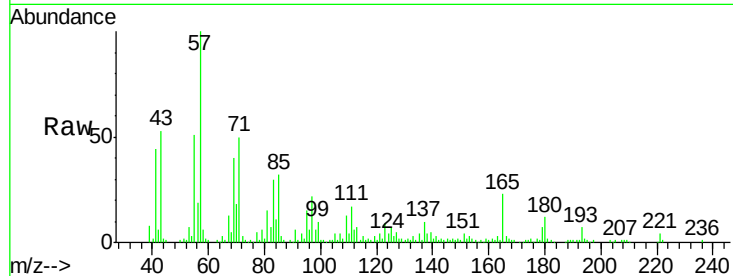




#50
 2,6-Dinitrotoluene
 Concen: 16.26 ng
 RT: 9.63 min Scan# 656
 Delta R.T. -0.03 min
 Lab File: BF082309.D
 Acq: 15 Oct 2015 15:10

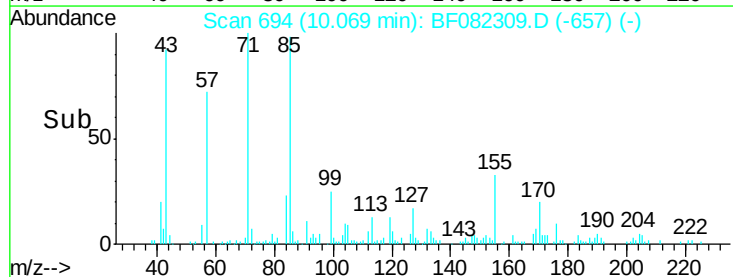
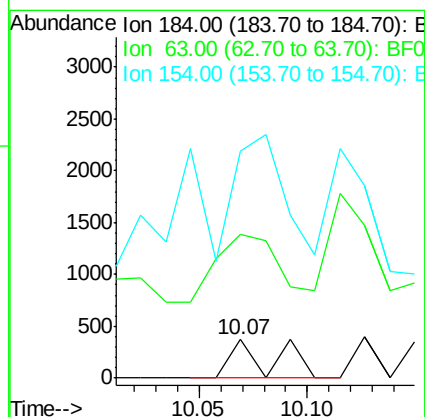
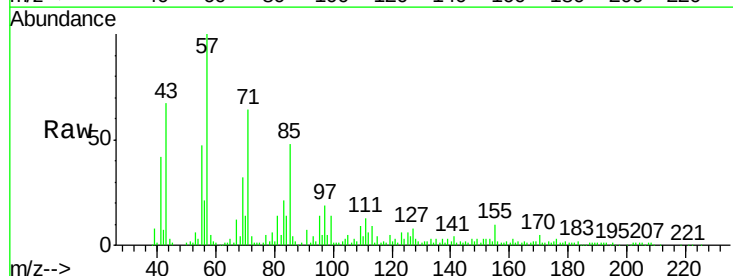
Instrument :
 BNA_F
 ClientSampleId :
 CF-3

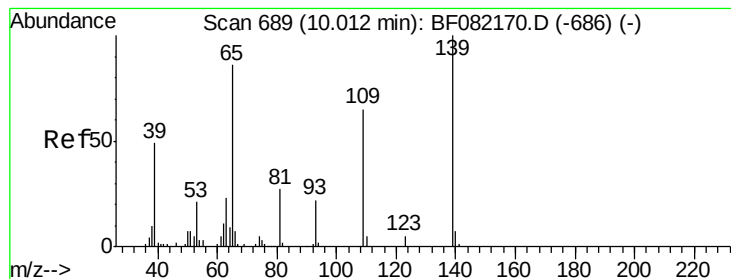
Tot Ion:165 Resp: 29438
 Ion Ratio Lower Upper
 165 100
 63 3.7 36.7 55.1#
 89 3.7 37.8 56.6#



#53
 2,4-Dinitrophenol
 Concen: 6.86 ng
 RT: 10.07 min Scan# 694
 Delta R.T. 0.13 min
 Lab File: BF082309.D
 Acq: 15 Oct 2015 15:10

Tgt Ion:184 Resp: 510
 Ion Ratio Lower Upper
 184 100
 63 373.2 45.1 67.7#
 154 588.7 51.2 76.8#





#55

4-Nitrophenol

Concen: 2.02 ng

RT: 10.08 min Scan# 695

Delta R.T. 0.07 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

Instrument :

BNA_F

ClientSampleId :

CF-3

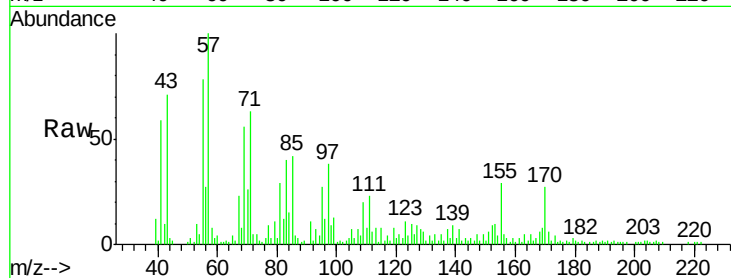
Tot Ion:139 Resp: 2958

Ion Ratio Lower Upper

139 100

109 228.3 44.8 84.8#

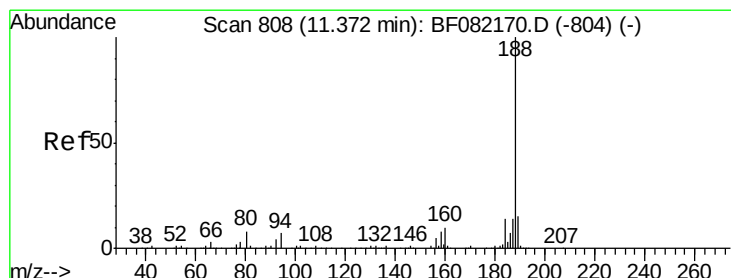
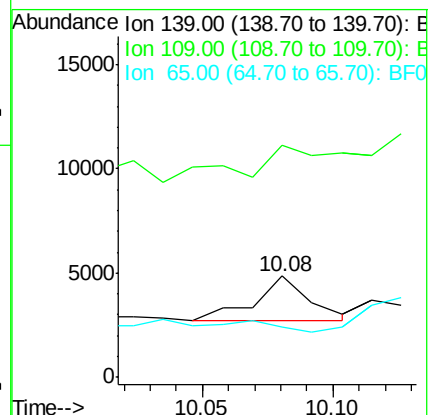
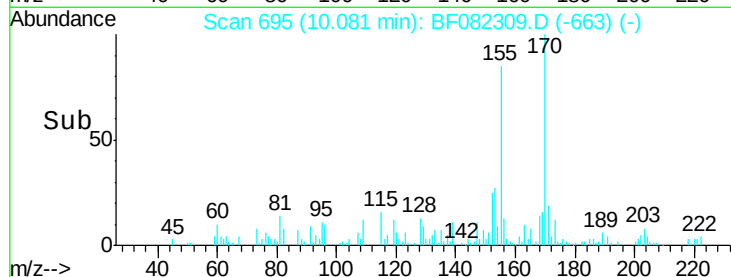
65 50.2 67.7 107.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 808

Delta R.T. 0.01 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

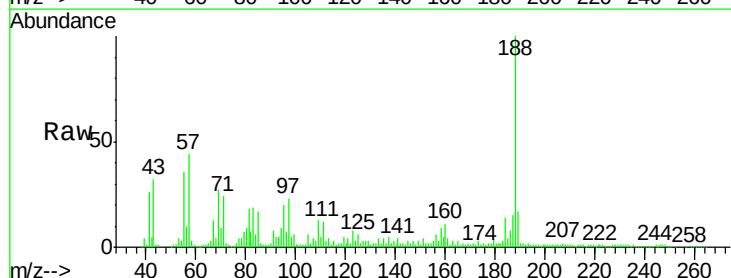
Tgt Ion:188 Resp: 194158

Ion Ratio Lower Upper

188 100

94 8.7 5.8 8.6#

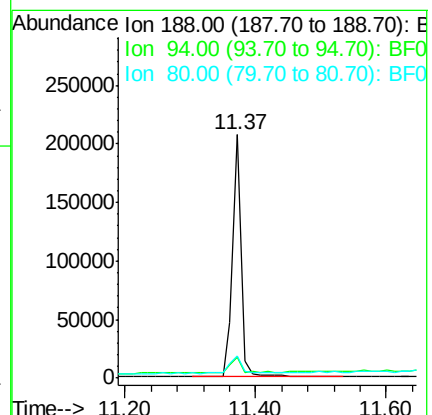
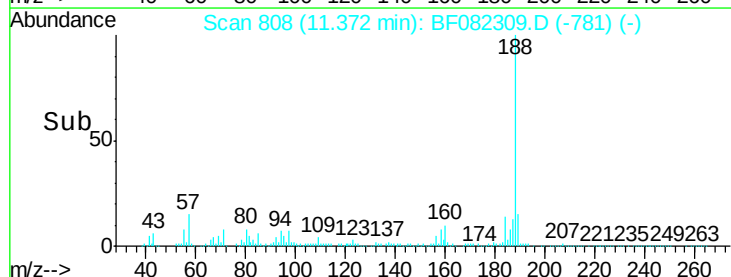
80 9.3 6.4 9.6

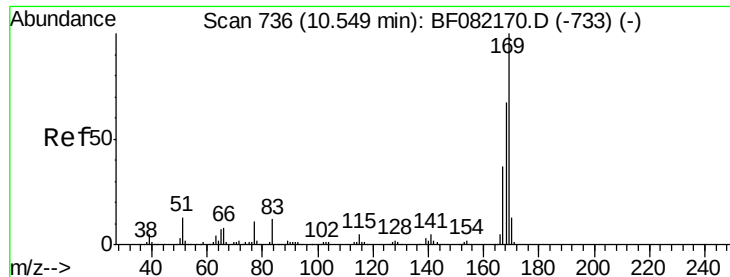


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.29 ng

RT: 10.54 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

Instrument :

BNA_F

ClientSampleId :

CF-3

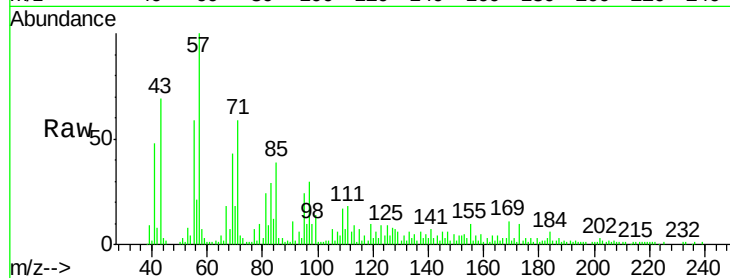
Tot Ion:169 Resp: 13311

Ion Ratio Lower Upper

169 100

168 29.4 54.0 81.0#

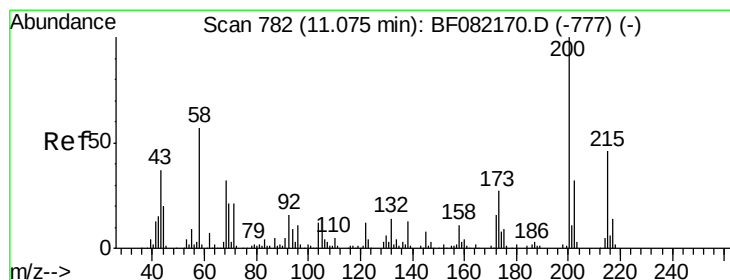
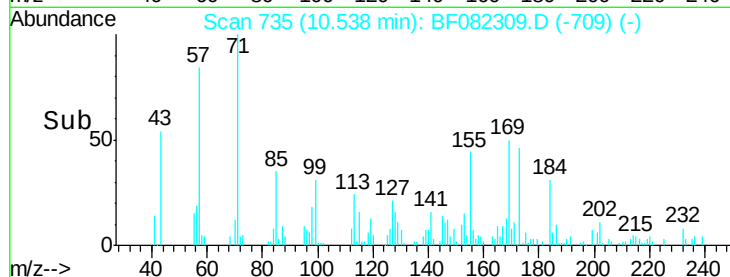
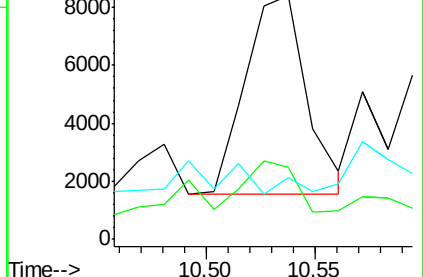
167 25.2 29.6 44.4#



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



#68

Atrazine

Concen: 3.74 ng

RT: 11.06 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

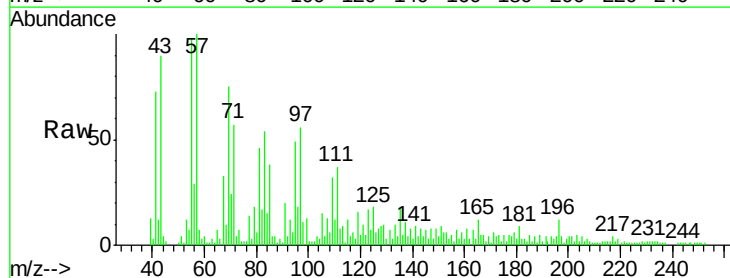
Tgt Ion:200 Resp: 6897

Ion Ratio Lower Upper

200 100

173 152.4 7.3 47.3#

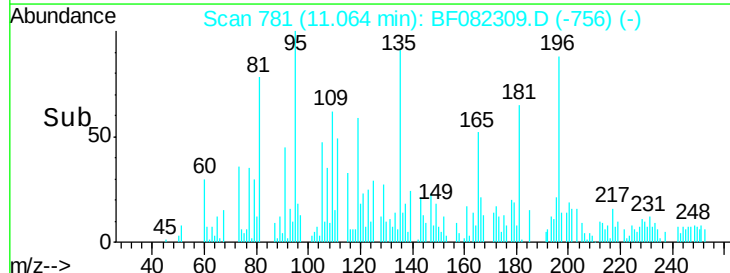
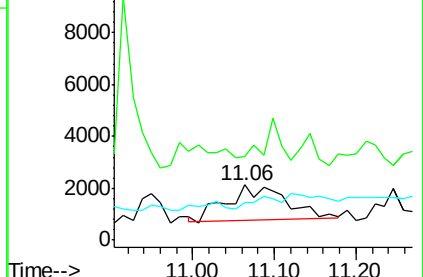
215 67.6 26.2 66.2#

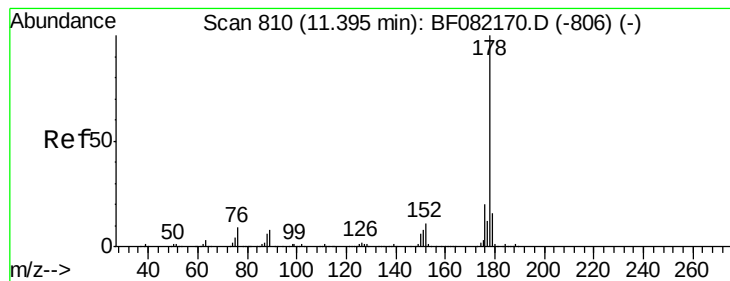


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 3.00 ng

RT: 11.40 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

Instrument :

BNA_F

ClientSampleId :

CF-3

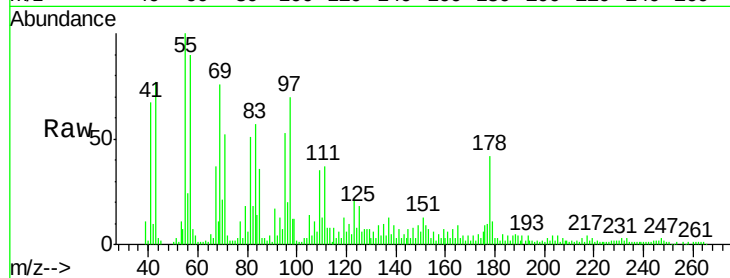
Tot Ion:178 Resp: 28585

Ion Ratio Lower Upper

178 100

176 22.3 16.0 24.0

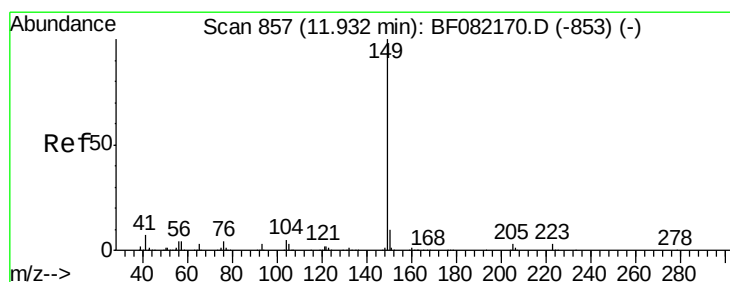
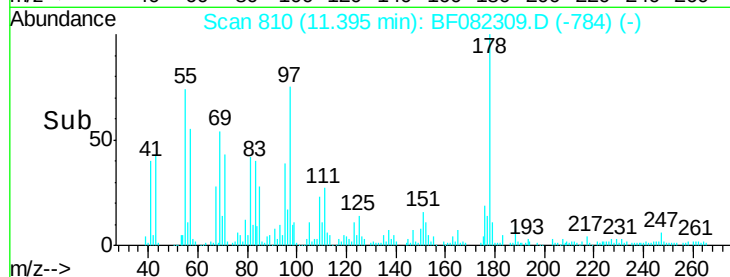
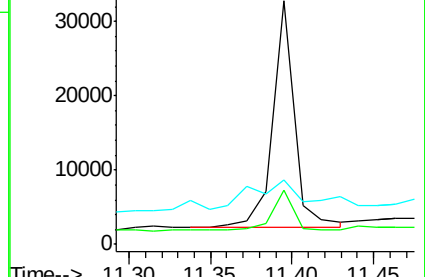
179 26.6 12.6 19.0#



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



#73

Di-n-butylphthalate

Concen: 2.70 ng

RT: 11.94 min Scan# 858

Delta R.T. 0.01 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

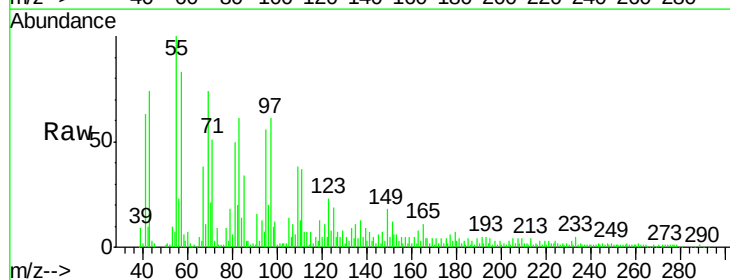
Tgt Ion:149 Resp: 29849

Ion Ratio Lower Upper

149 100

150 25.3 7.8 11.6#

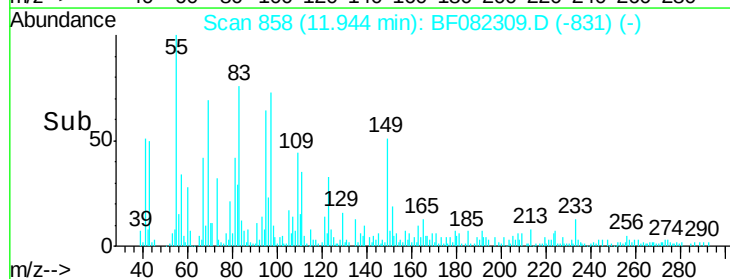
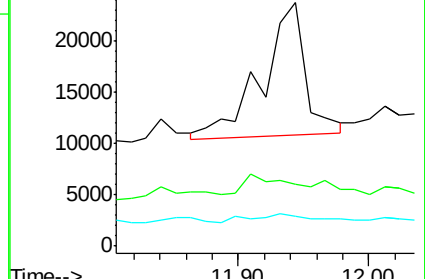
104 12.2 3.8 5.8#

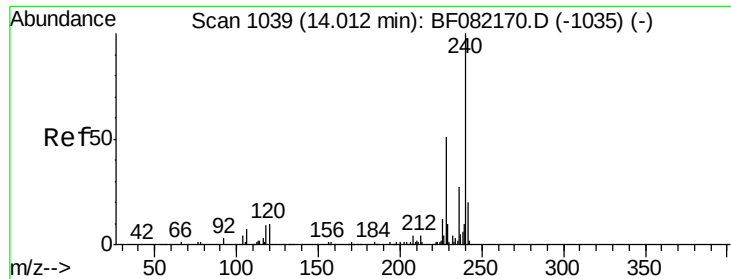


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.02 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

Instrument :

BNA_F

ClientSampleId :

CF-3

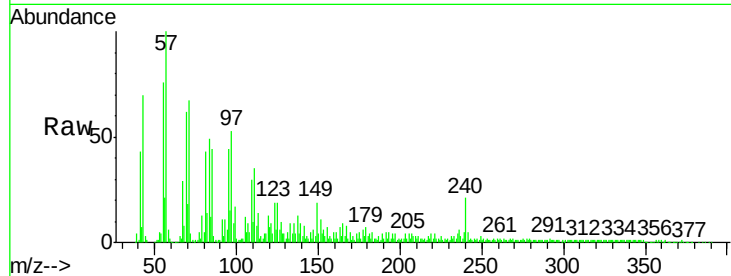
Tot Ion:240 Resp: 134029

Ion Ratio Lower Upper

240 100

120 32.4 8.1 12.1#

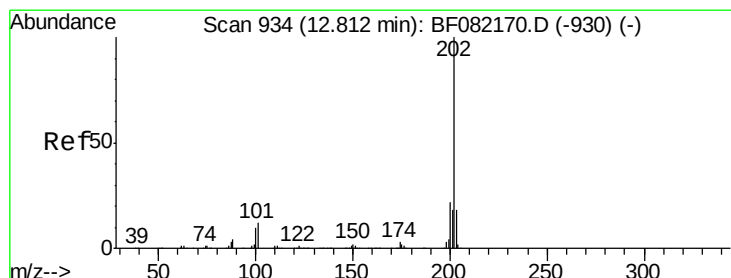
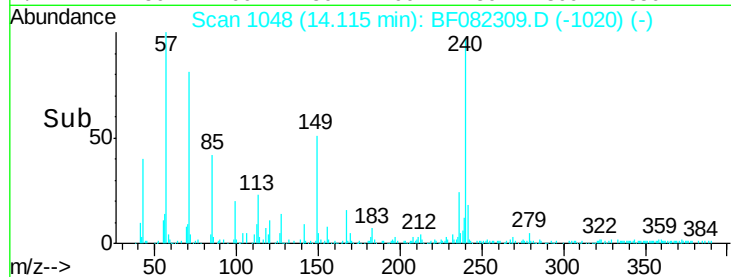
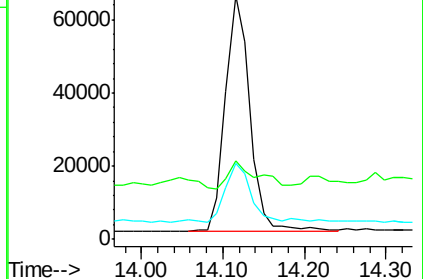
236 31.3 21.3 31.9



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: 2.88 ng

RT: 12.84 min Scan# 936

Delta R.T. 0.02 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

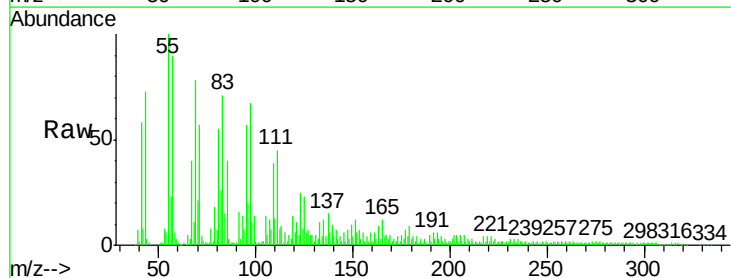
Tgt Ion:202 Resp: 22912

Ion Ratio Lower Upper

202 100

200 34.7 17.9 26.9#

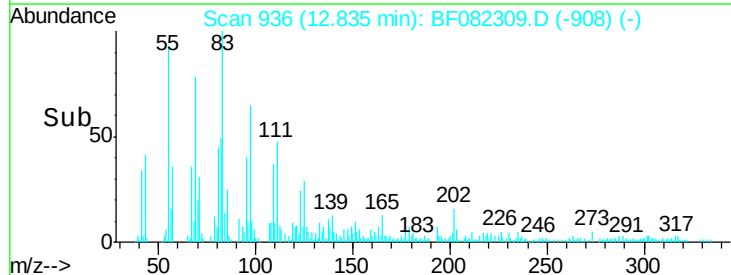
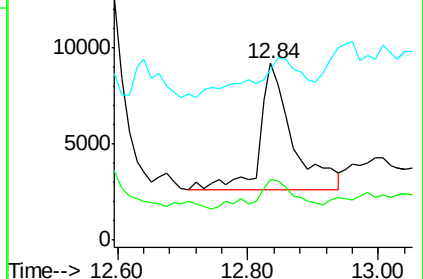
203 96.8 14.5 21.7#

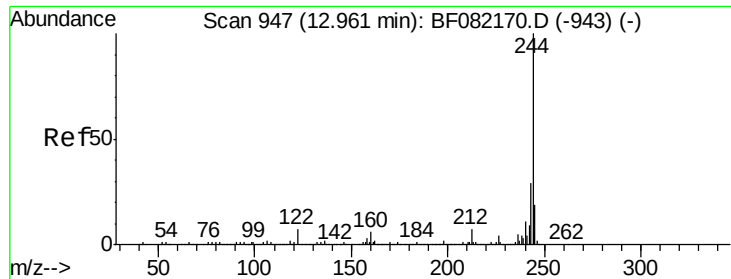


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.36 ng

RT: 13.00 min Scan# 950

Delta R.T. 0.02 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

Instrument :

BNA_F

ClientSampleId :

CF-3

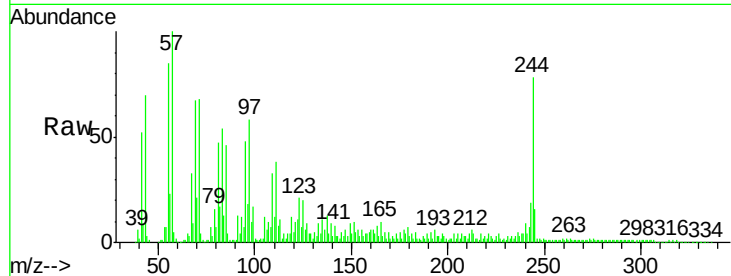
Tot Ion:244 Resp: 386236

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

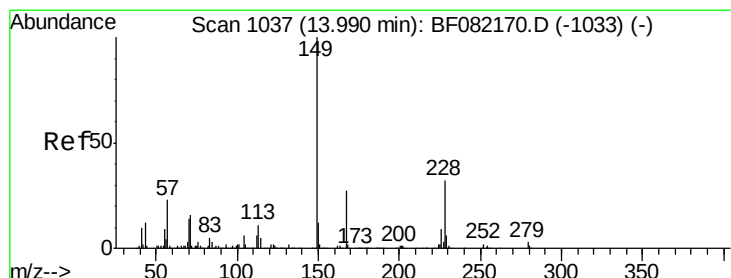
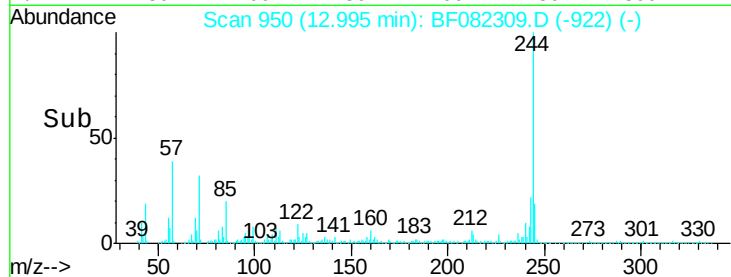
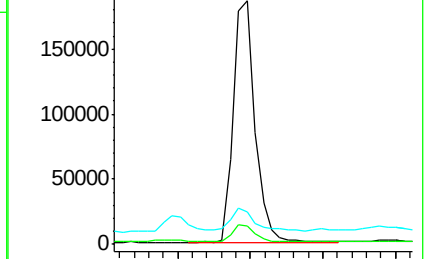
122 13.4 5.9 8.9#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 182.23 ng

RT: 14.09 min Scan# 1046

Delta R.T. 0.02 min

Lab File: BF082309.D

Acq: 15 Oct 2015 15:10

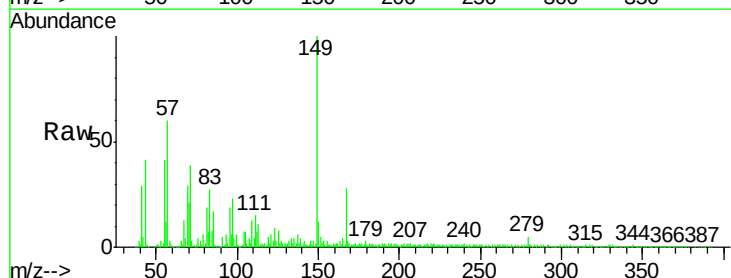
Tgt Ion:149 Resp: 943721

Ion Ratio Lower Upper

149 100

167 27.7 21.3 31.9

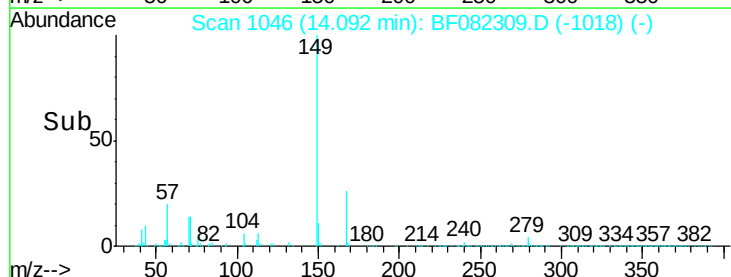
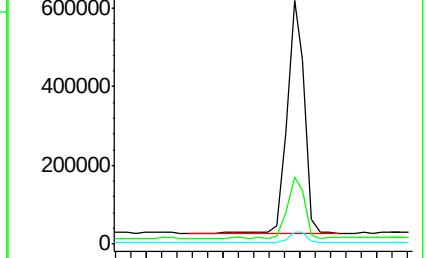
279 4.8 2.6 4.0#

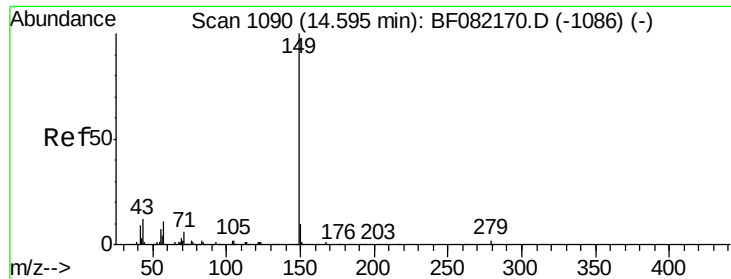


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

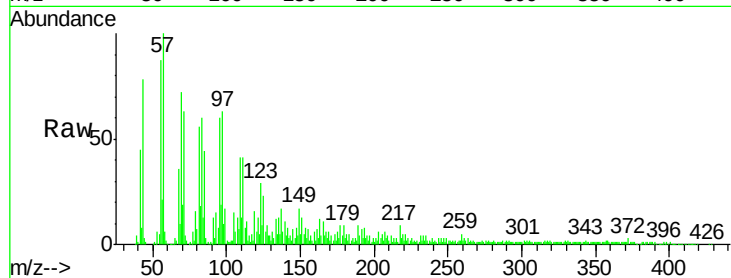




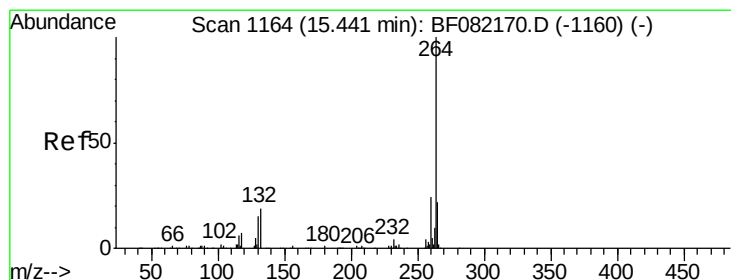
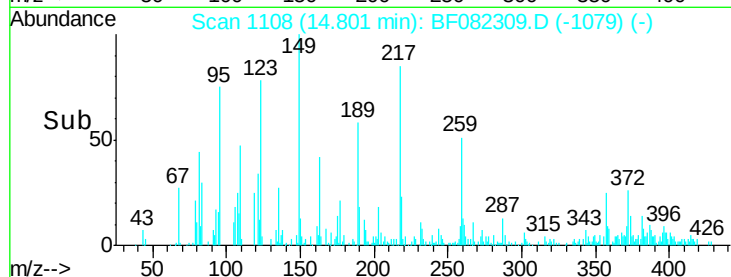
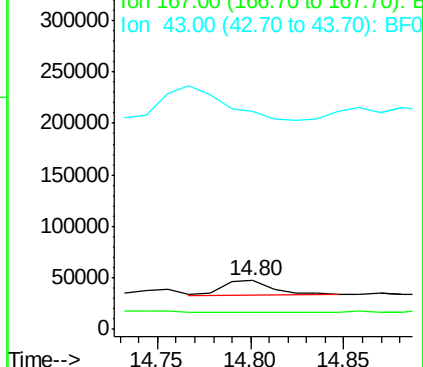
#84
Di-n-octyl phthalate
Concen: 2.88 ng
RT: 14.80 min Scan# 1108
Delta R.T. 0.03 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

Instrument :
BNA_F
ClientSampleId :
CF-3

Tot Ion:149 Resp: 25618
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 7.4 11.2#

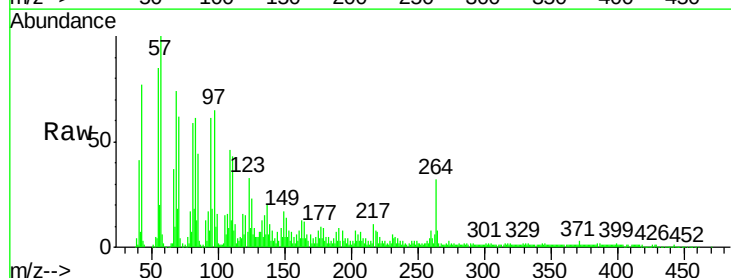


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.70 min Scan# 1187
Delta R.T. 0.05 min
Lab File: BF082309.D
Acq: 15 Oct 2015 15:10

Tgt Ion:264 Resp: 123470
Ion Ratio Lower Upper
264 100
260 26.8 19.0 28.6
265 25.8 17.3 25.9



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

