

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\
 Data File : BF081531.D
 Acq On : 8 Sep 2015 19:49
 Operator : UM/IZ
 Sample : G3419-02RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 08 23:52:09 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 08 23:43:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	56355	20.00	ng	0.00
21) Naphthalene-d8	7.64	136	206282	20.00	ng	0.00
38) Acenaphthene-d10	9.38	164	87025	20.00	ng	0.00
63) Phenanthrene-d10	10.86	188	153346	20.00	ng	0.01
75) Chrysene-d12	13.45	240	112520	20.00	ng	0.00
86) Perylene-d12	14.75	264	109293	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.90	112	504345	138.85	ng	0.02
7) Phenol-d6	6.02	99	589715	122.65	ng	0.00
23) Nitrobenzene-d5	6.92	82	394888	92.36	ng	0.00
41) 2,4,6-Tribromophenol	10.17	330	94644	122.14	ng	0.01
44) 2-Fluorobiphenyl	8.73	172	644308	94.88	ng	0.01
78) Terphenyl-d14	12.43	244	403591	83.50	ng	0.01

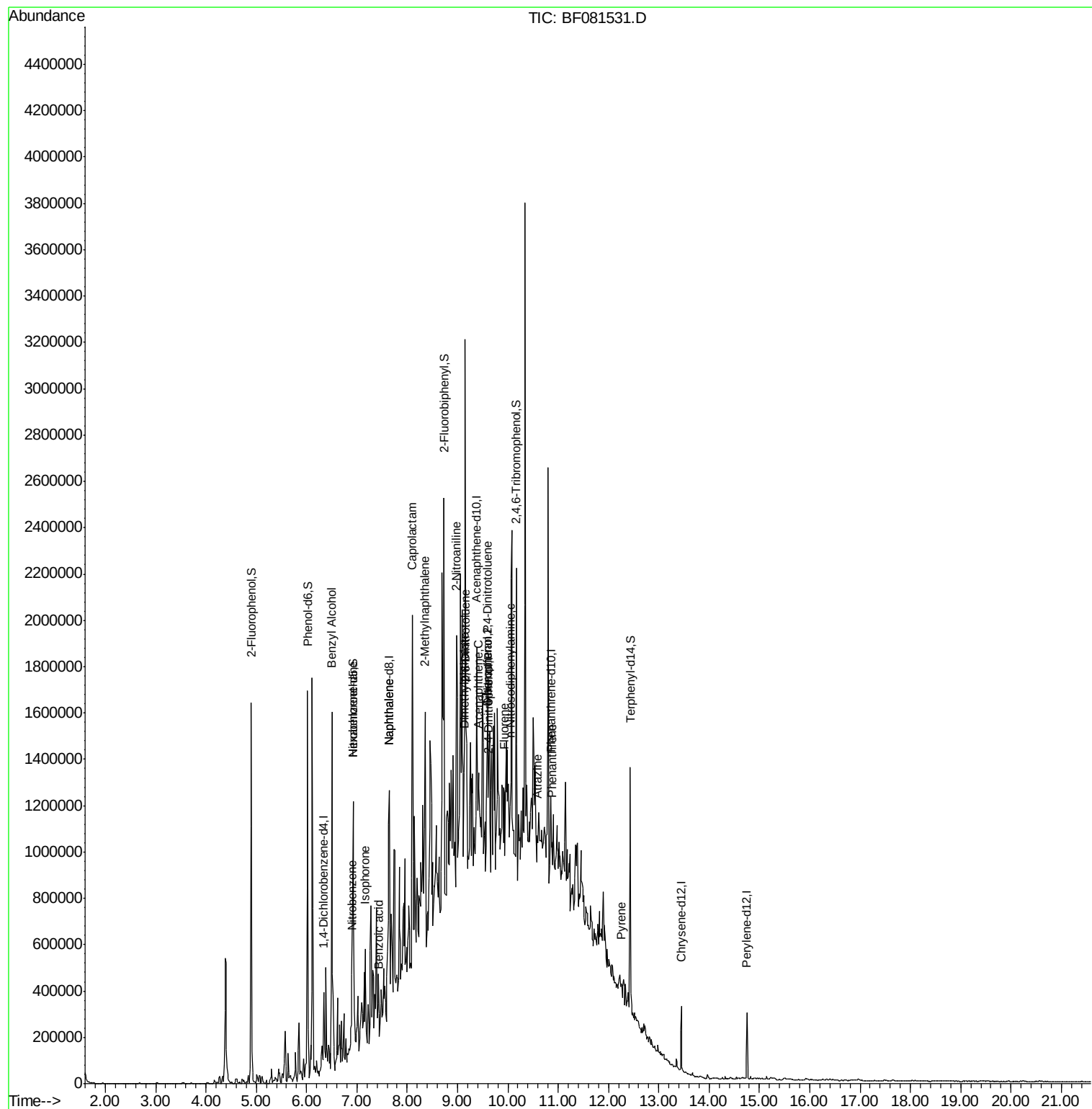
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.50	79	9254	2.35	ng	# 31
18) Hexachloroethane	6.92	117	83701	49.41	ng	# 6
24) Nitrobenzene	6.90	77	18348	4.13	ng	# 11
25) Isophorone	7.16	82	16692	2.10	ng	# 1
31) Naphthalene	7.64	128	34156	3.10	ng	# 1
32) Benzoic acid	7.44	122	3207	3.81	ng	# 1
35) Caprolactam	8.10	113	25209	28.36	ng	# 1
37) 2-Methylnaphthalene	8.35	142	271874	37.98	ng	# 86
47) 2-Nitroaniline	8.98	65	8987	3.81	ng	# 29
49) Dimethylphthalate	9.13	163	85030	12.58	ng	# 97
50) 2,6-Dinitrotoluene	9.16	165	3792	2.47	ng	# 1
51) Acenaphthene	9.42	154	26609	4.56	ng	# 79
53) 2,4-Dinitrophenol	9.61	184	1625	2.51	ng	# 1
54) Dibenzofuran	9.59	168	18018	2.11	ng	# 1
55) 4-Nitrophenol	9.59	139	20028	18.25	ng	# 49
56) 2,4-Dinitrotoluene	9.60	165	11513	5.89	ng	# 53
57) Fluorene	9.93	166	53330	8.25	ng	# 72
65) n-Nitrosodiphenylamine	10.06	169	77859	13.95	ng	# 75
68) Atrazine	10.59	200	4955	3.07	ng	# 60
70) Phenanthrene	10.88	178	102628	12.04	ng	# 88
77) Pyrene	12.26	202	27623	3.31	ng	# 89

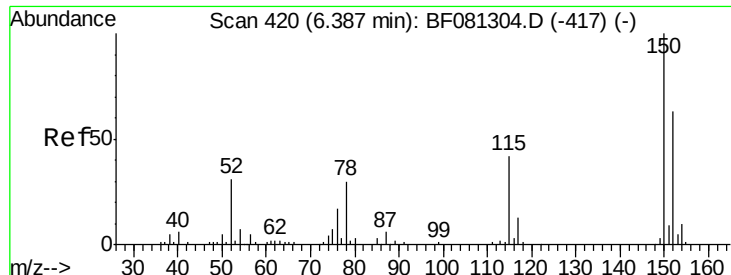
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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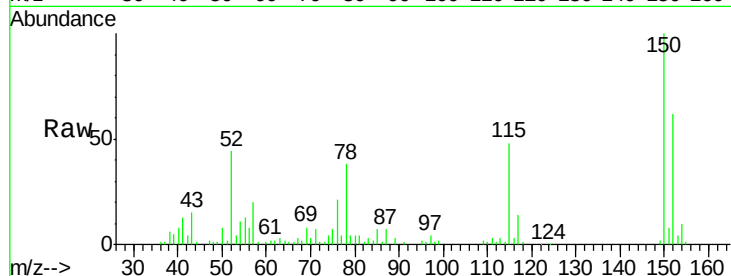


#1

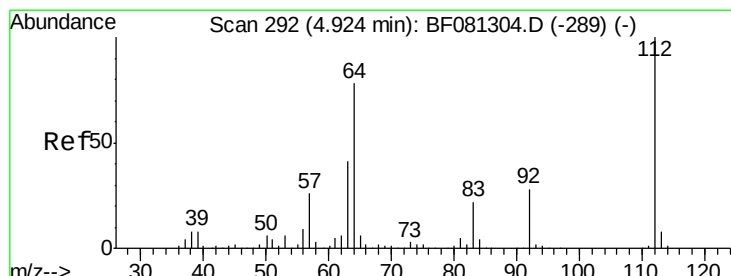
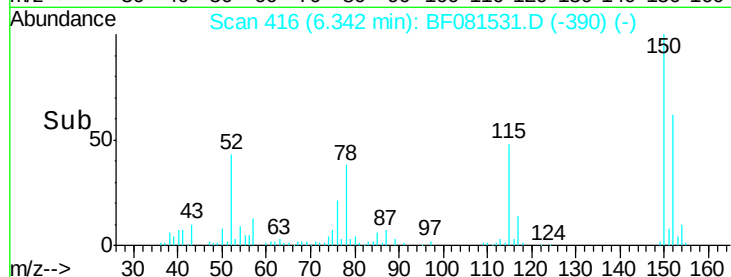
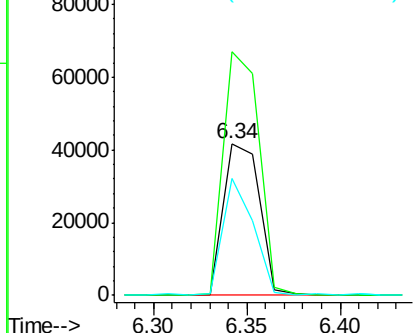
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.34 min Scan# 416
Delta R.T. 0.00 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 56355
Ion Ratio Lower Upper
152 100
150 160.8 124.7 187.1
115 77.4 39.0 58.4#



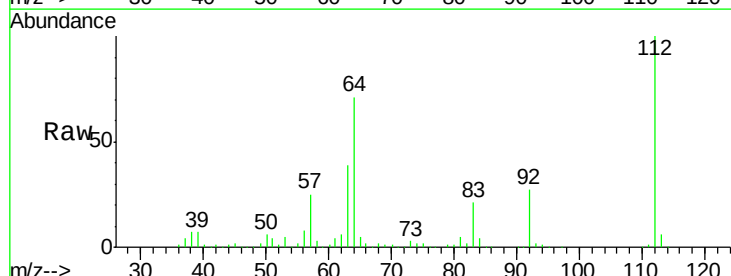
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



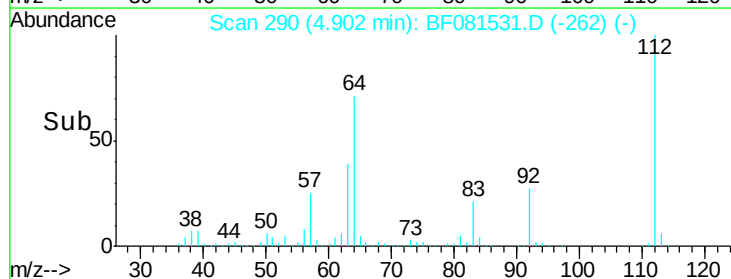
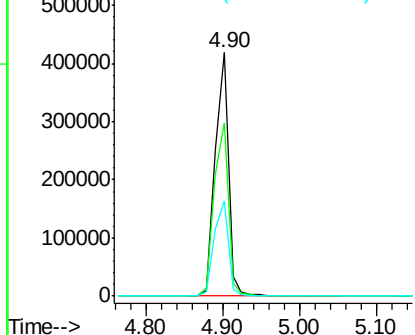
#5

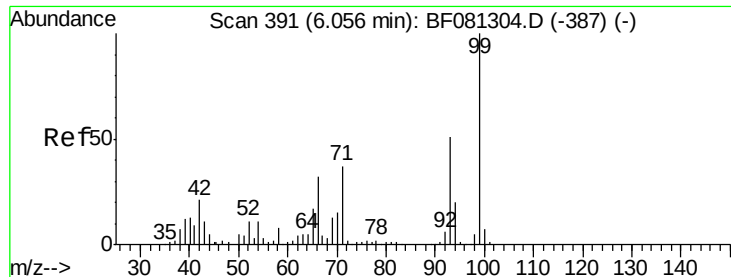
2-Fluorophenol
Concen: 138.85 ng
RT: 4.90 min Scan# 290
Delta R.T. 0.02 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

Tgt Ion:112 Resp: 504345
Ion Ratio Lower Upper
112 100
64 71.2 39.7 59.5#
63 39.0 17.4 26.0#



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: 122.65 ng

RT: 6.02 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

Instrument :

BNA_F

ClientSampleId :

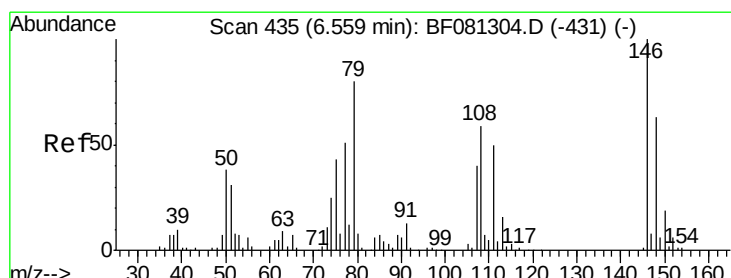
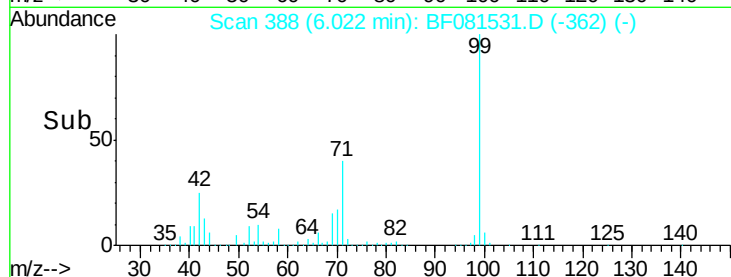
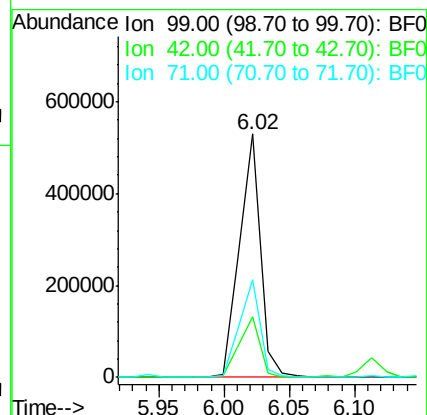
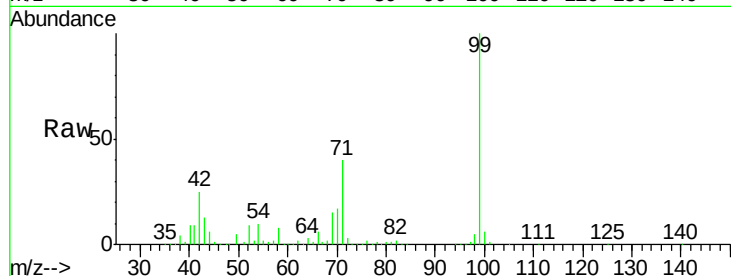
Tot Ion: 99 Resp: 589715

Ion Ratio Lower Upper

99 100

42 24.7 13.7 20.5#

71 40.1 14.2 21.2#



#15

Benzyl Alcohol

Concen: 2.35 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.01 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

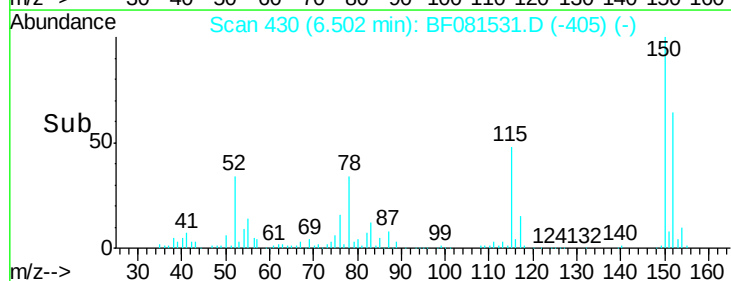
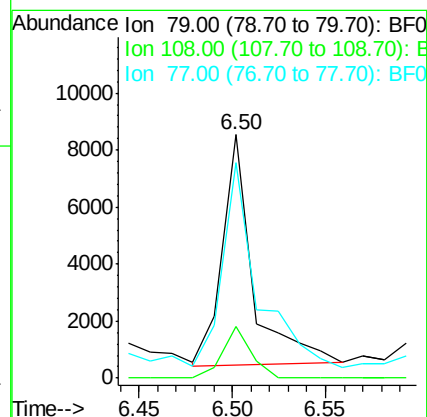
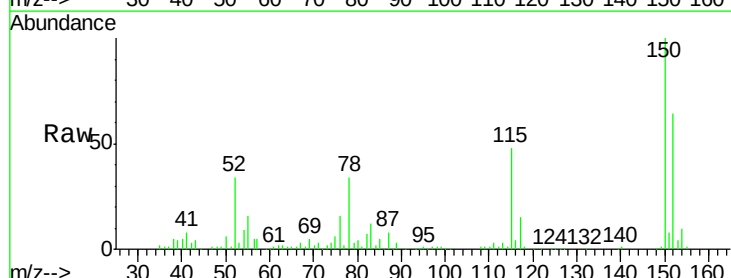
Tgt Ion: 79 Resp: 9254

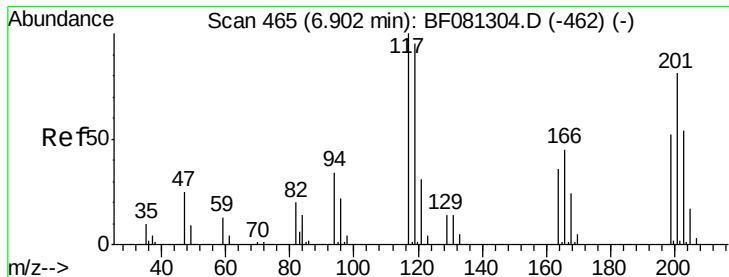
Ion Ratio Lower Upper

79 100

108 21.4 88.6 132.8#

77 88.3 47.0 70.4#

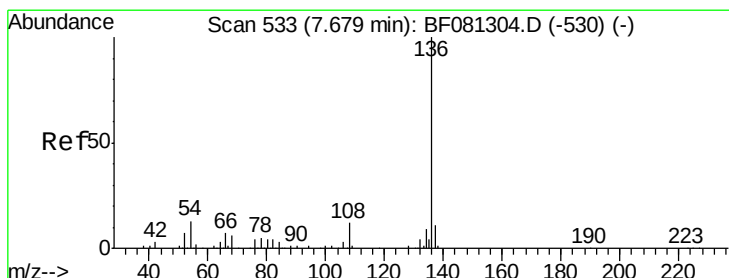
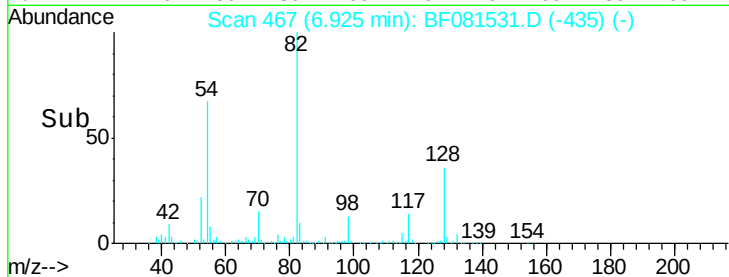
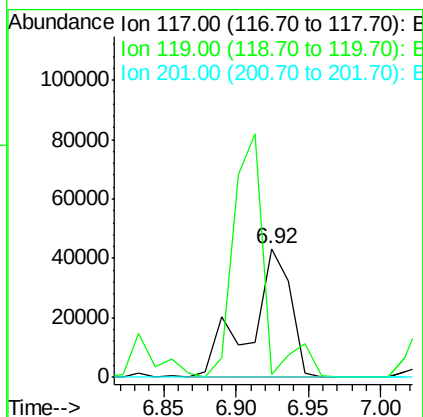
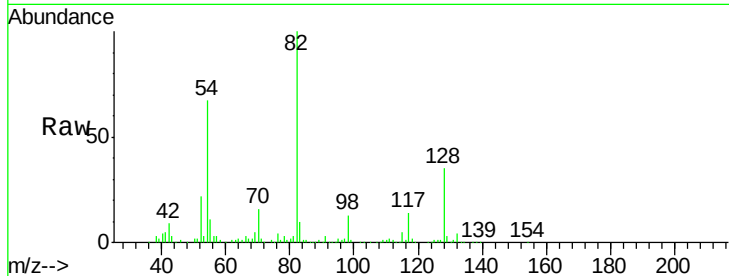




#18
Hexachloroethane
Concen: 49.41 ng
RT: 6.92 min Scan# 467
Delta R.T. 0.07 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

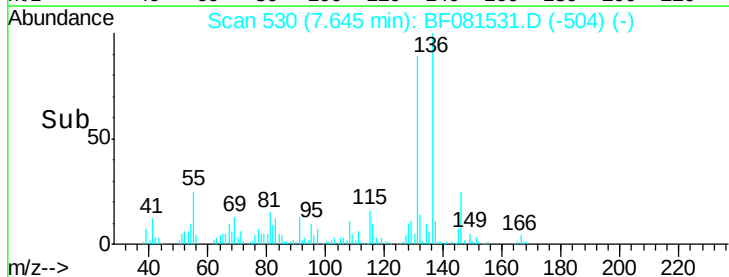
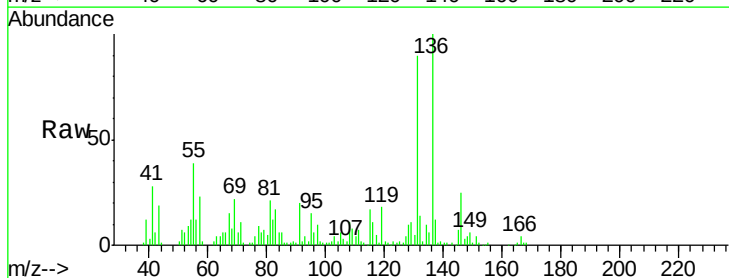
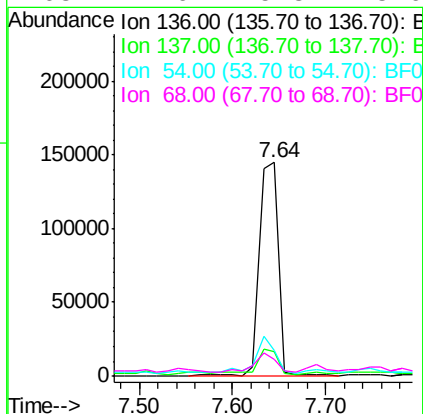
Instrument :
BNA_F
ClientSampleId :

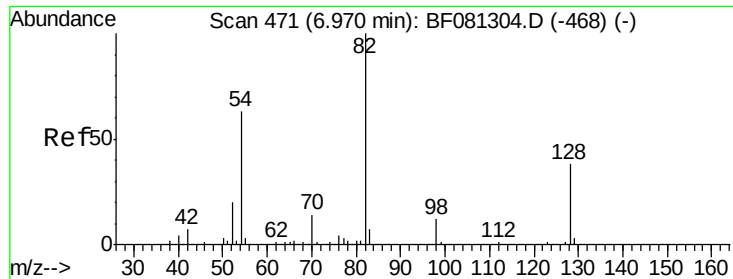
Tot Ion:117 Resp: 83701
Ion Ratio Lower Upper
117 100
119 2.2 83.8 125.6#
201 0.0 55.1 82.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

Tgt Ion:136 Resp: 206282
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 11.8 8.2 12.2
68 7.6 5.8 8.6

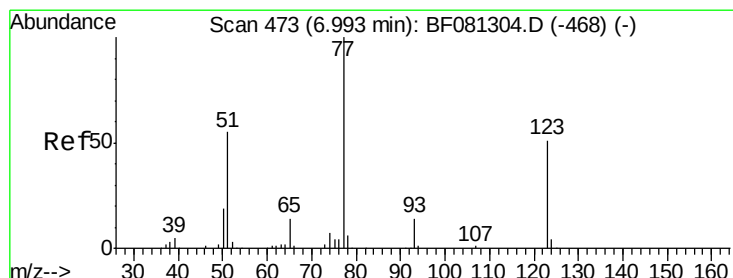
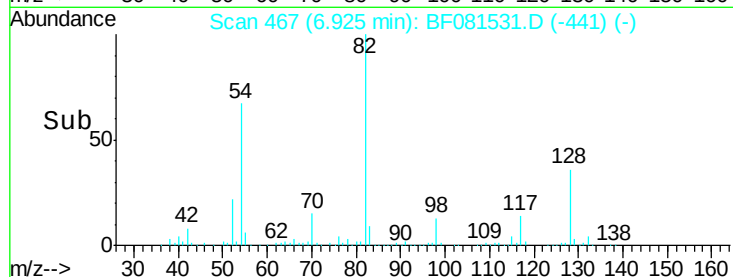
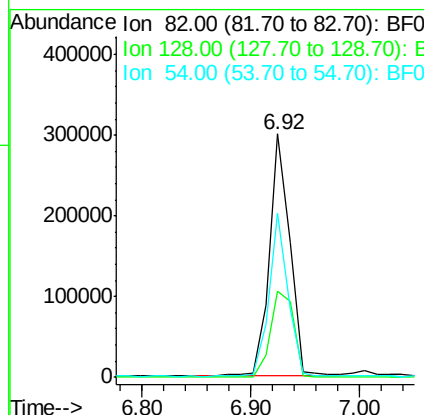
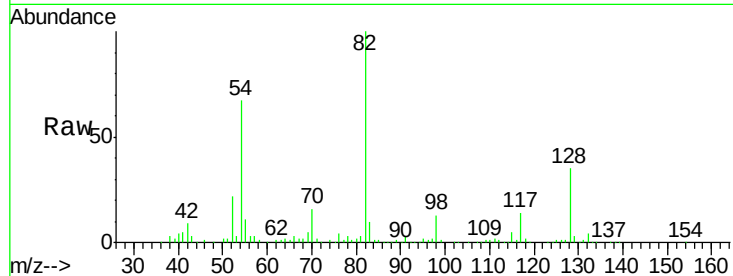




#23
 Nitrobenzene-d5
 Concen: 92.36 ng
 RT: 6.92 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: BF081531.D
 Acq: 8 Sep 2015 19:49

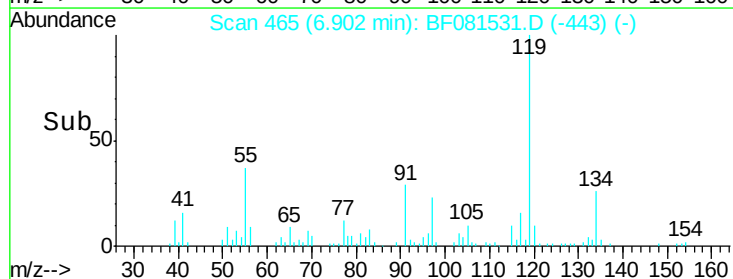
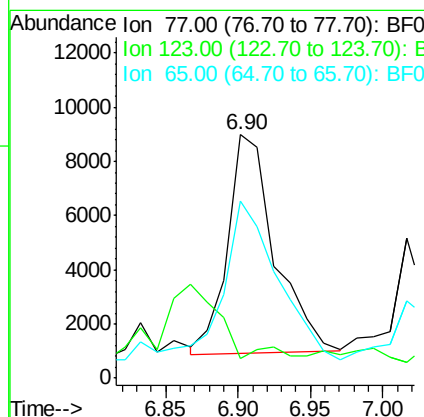
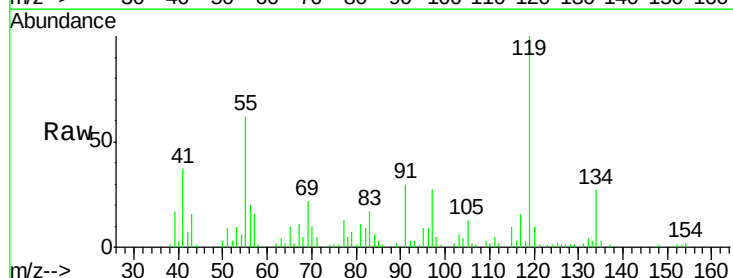
Instrument :
 BNA_F
 ClientSampled :

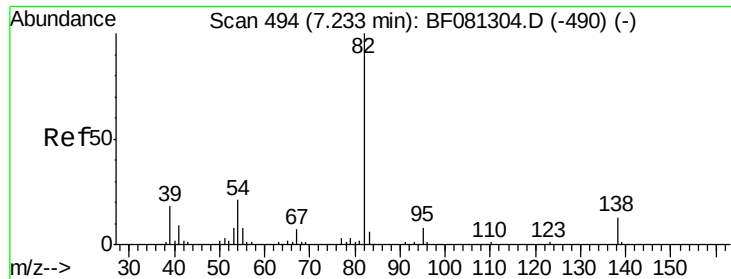
Tot Ion	82	Resp	394888
Ion Ratio	Lower	Upper	
82	100		
128	35.5	51.0	76.6#
54	67.3	47.5	71.3



#24
 Nitrobenzene
 Concen: 4.13 ng
 RT: 6.90 min Scan# 465
 Delta R.T. -0.05 min
 Lab File: BF081531.D
 Acq: 8 Sep 2015 19:49

Tgt Ion	77	Resp	18348
Ion Ratio	Lower	Upper	
77	100		
123	7.9	59.8	89.8#
65	72.9	10.2	15.4#





#25

Isophorone

Concen: 2.10 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.03 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

Instrument :

BNA_F

ClientSampleId :

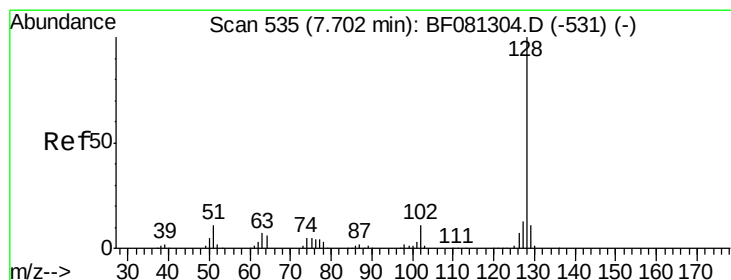
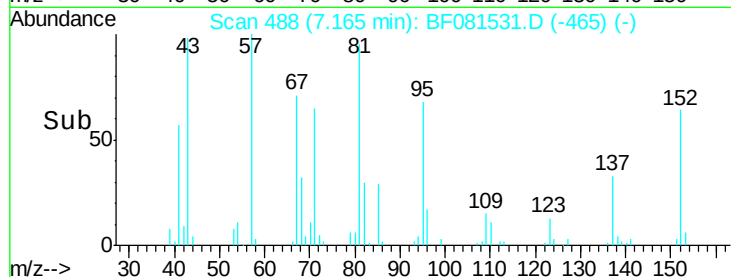
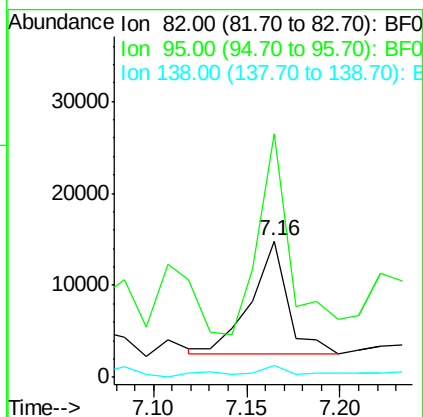
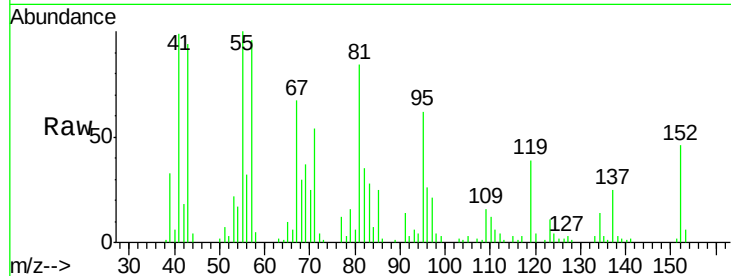
Tot Ion: 82 Resp: 16692

Ion Ratio Lower Upper

82 100

95 178.6 4.0 6.0#

138 9.0 18.3 27.5#



#31

Naphthalene

Concen: 3.10 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

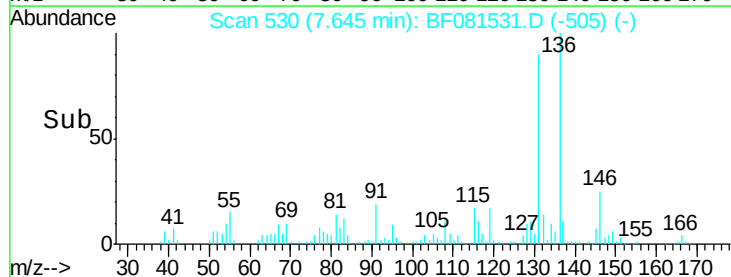
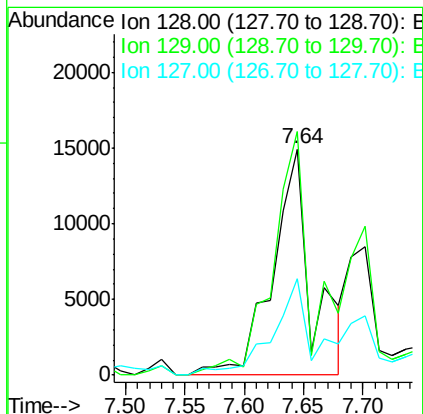
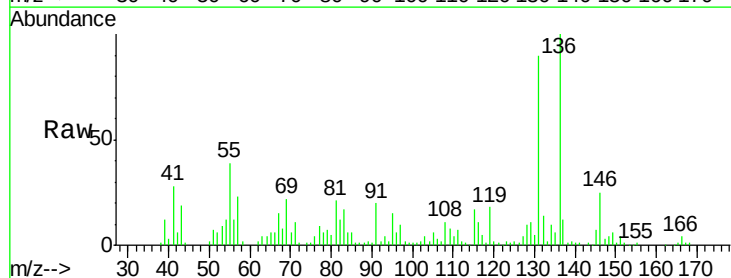
Tgt Ion: 128 Resp: 34156

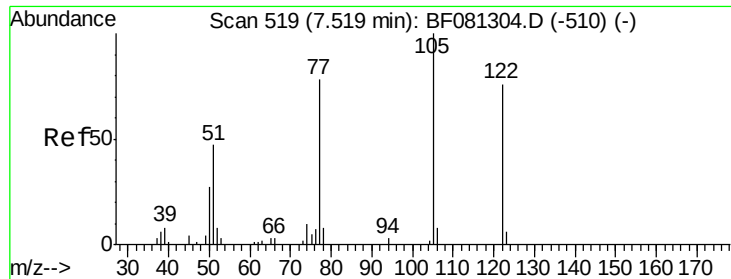
Ion Ratio Lower Upper

128 100

129 107.7 8.4 12.6#

127 42.8 9.9 14.9#

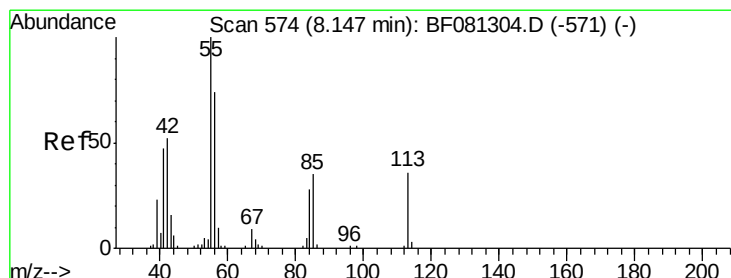
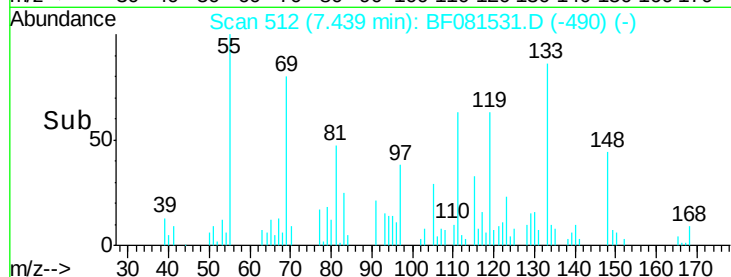
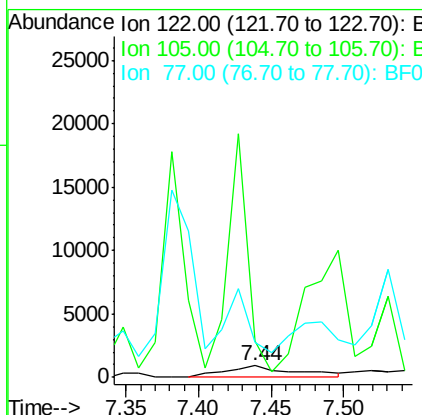
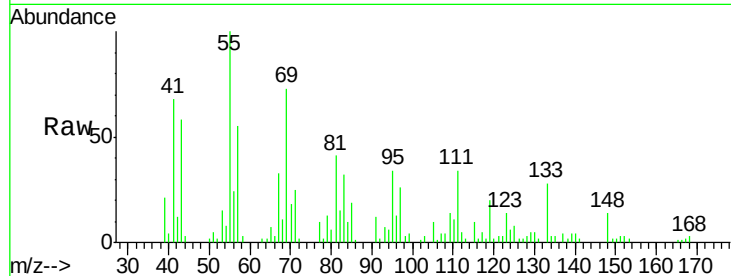




#32
Benzoic acid
Concen: 3.81 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.05 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

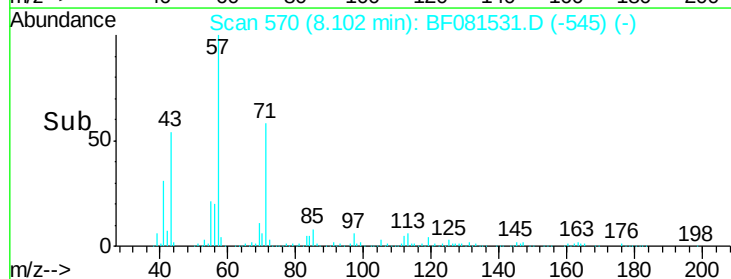
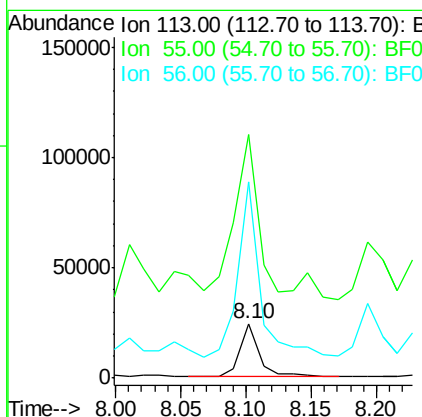
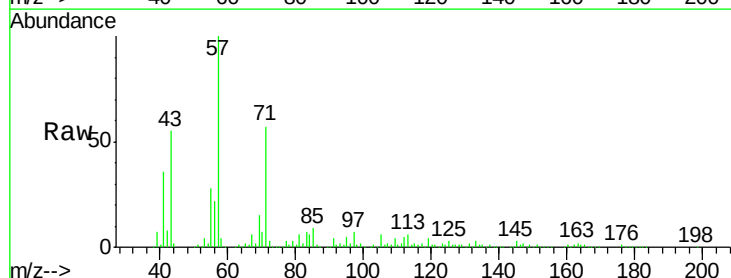
Instrument :
BNA_F
ClientSampleId :

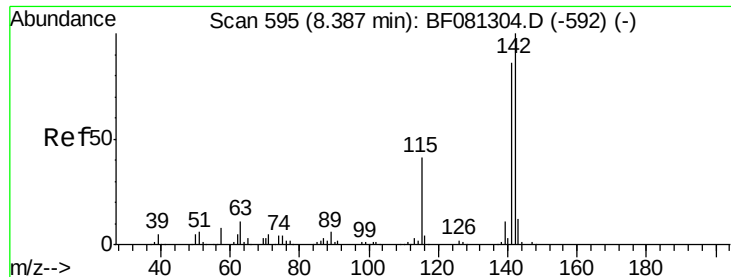
Tot Ion:122 Resp: 3207
Ion Ratio Lower Upper
122 100
105 309.3 76.1 116.1#
77 306.4 40.5 80.5#



#35
Caprolactam
Concen: 28.36 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

Tgt Ion:113 Resp: 25209
Ion Ratio Lower Upper
113 100
55 445.7 152.4 192.4#
56 358.7 104.6 144.6#

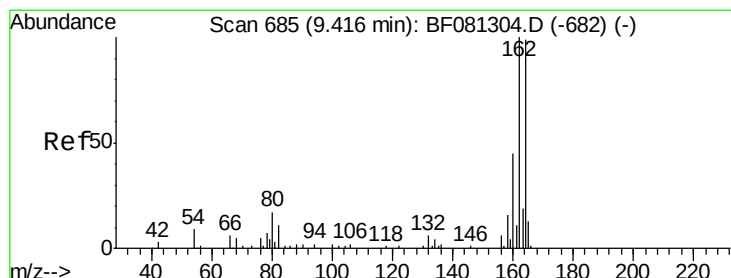
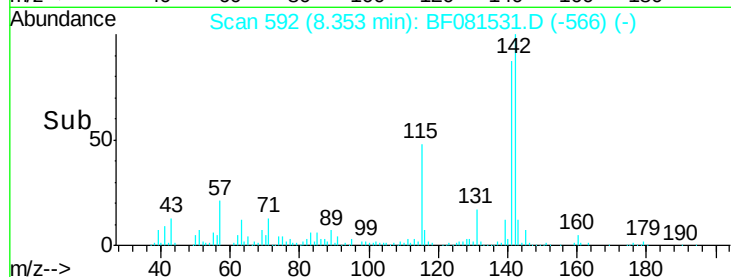
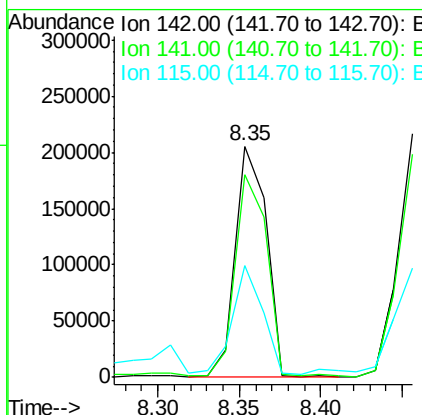
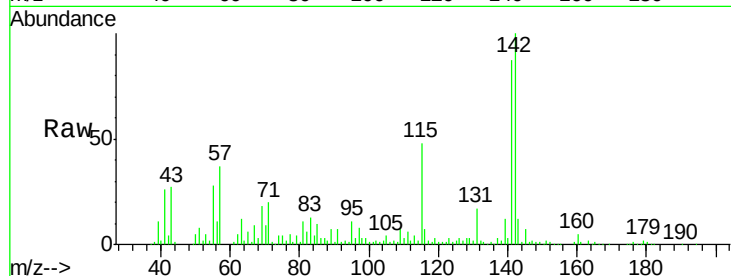




#37
2-Methylnaphthalene
Concen: 37.98 ng
RT: 8.35 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

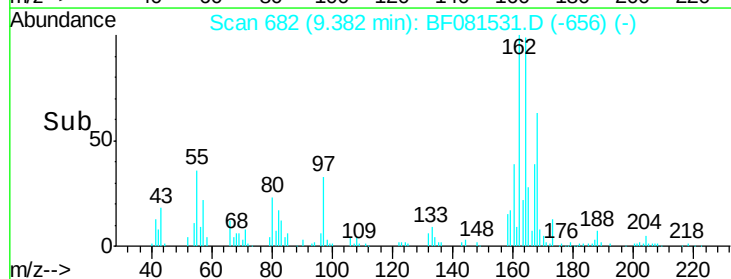
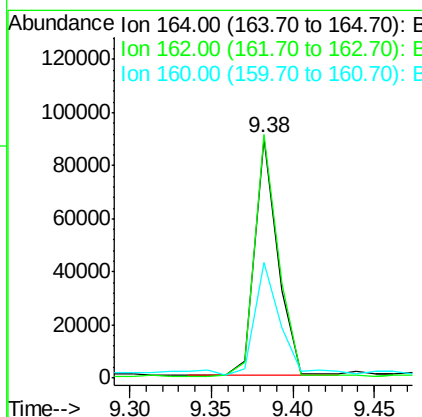
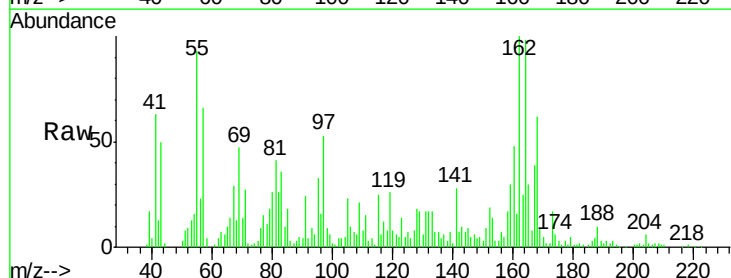
Instrument :
BNA_F
ClientSampleId :

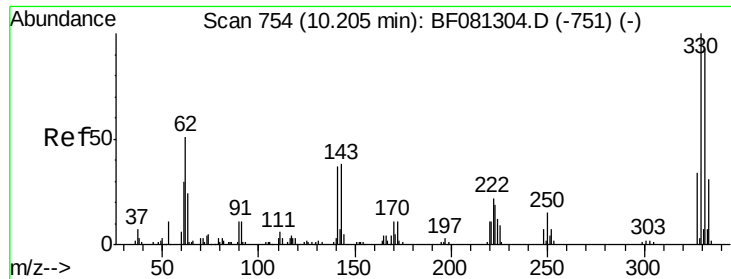
Tot Ion:142 Resp: 271874
Ion Ratio Lower Upper
142 100
141 87.4 67.5 101.3
115 48.3 18.2 27.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

Tgt Ion:164 Resp: 87025
Ion Ratio Lower Upper
164 100
162 101.5 75.2 112.8
160 48.3 31.5 47.3#

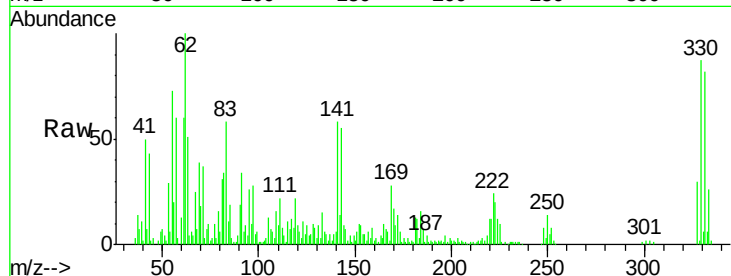




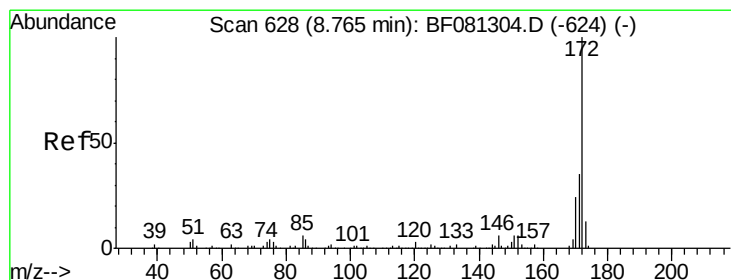
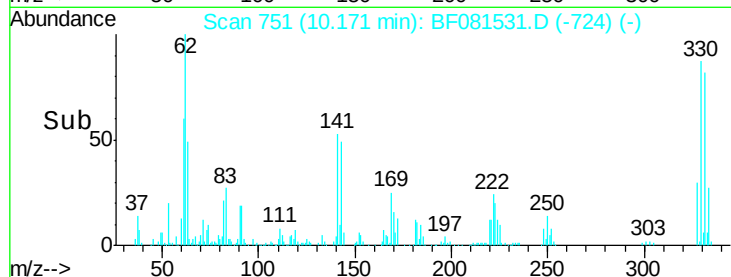
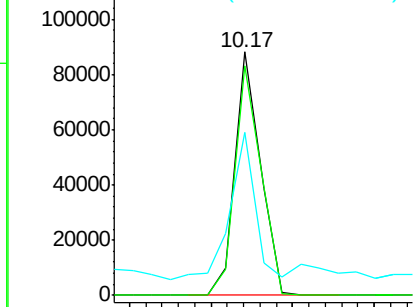
#41
 2,4,6-Tribromophenol
 Concen: 122.14 ng
 RT: 10.17 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: BF081531.D
 Acq: 8 Sep 2015 19:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 94644
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 114.8
 141 58.1 29.7 44.5#

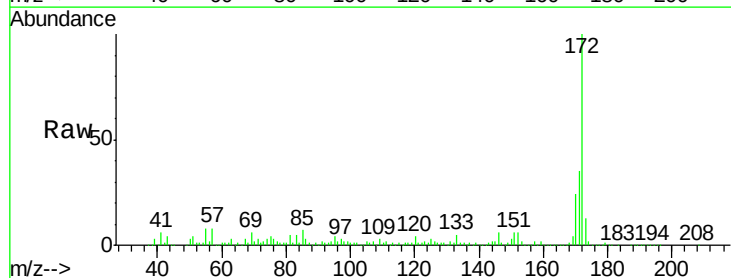


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

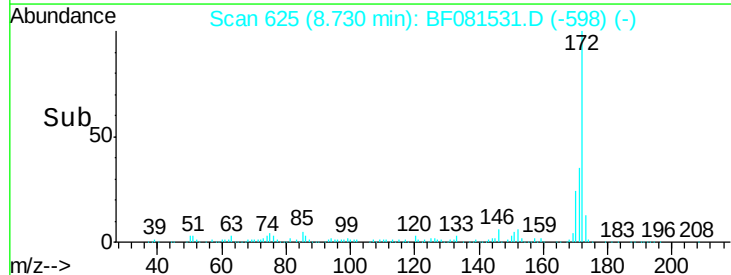
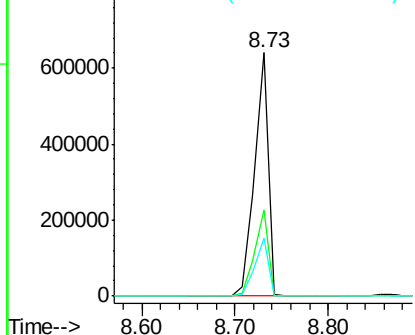


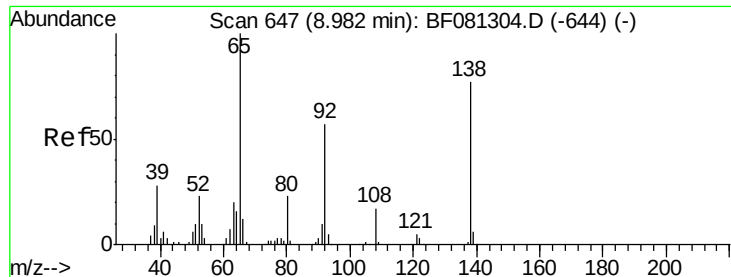
#44
 2-Fluorobiphenyl
 Concen: 94.88 ng
 RT: 8.73 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: BF081531.D
 Acq: 8 Sep 2015 19:49

Tgt Ion:172 Resp: 644308
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 24.0 17.4 26.2



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





#47

2-Nitroaniline

Concen: 3.81 ng

RT: 8.98 min Scan# 647

Delta R.T. 0.03 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

Instrument :

BNA_F

ClientSampled :

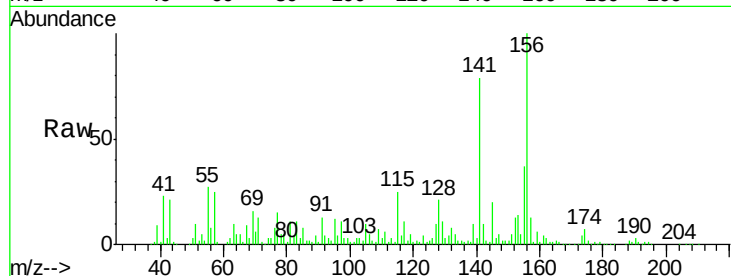
Tot Ion: 65 Resp: 8987

Ion Ratio Lower Upper

65 100

92 81.6 55.4 83.0

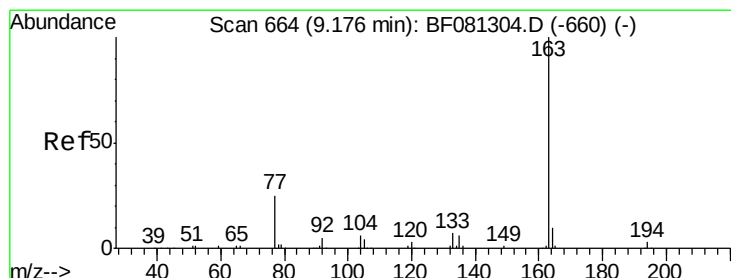
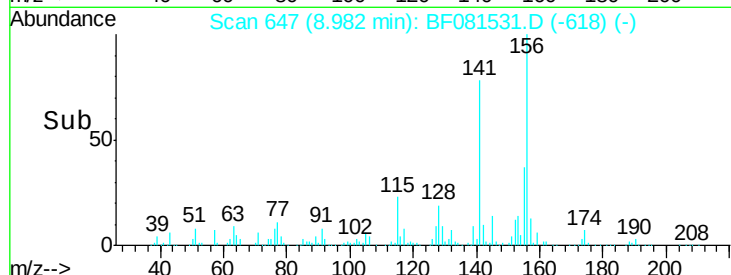
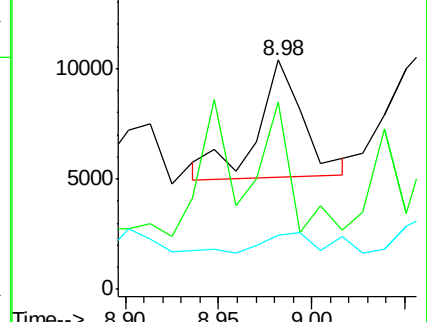
138 23.7 115.5 173.3#



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#49

Dimethylphthalate

Concen: 12.58 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

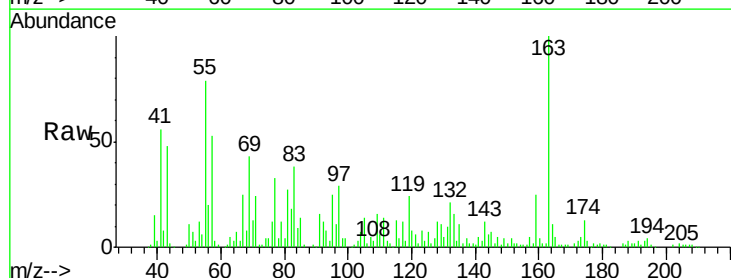
Tgt Ion: 163 Resp: 85030

Ion Ratio Lower Upper

163 100

194 3.9 4.4 6.6#

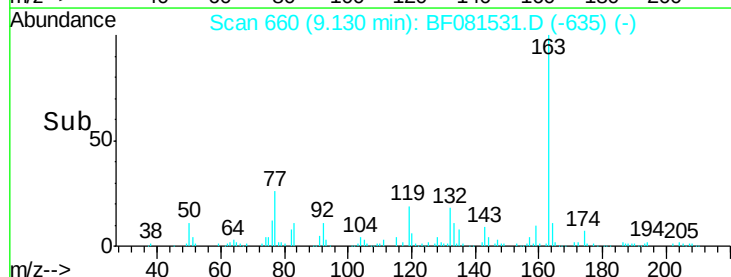
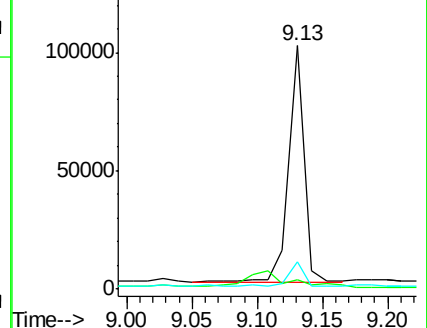
164 11.3 8.3 12.5

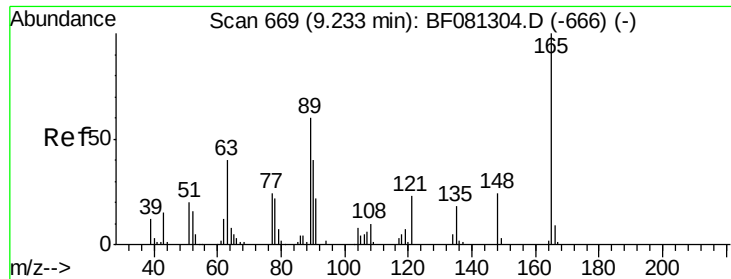


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

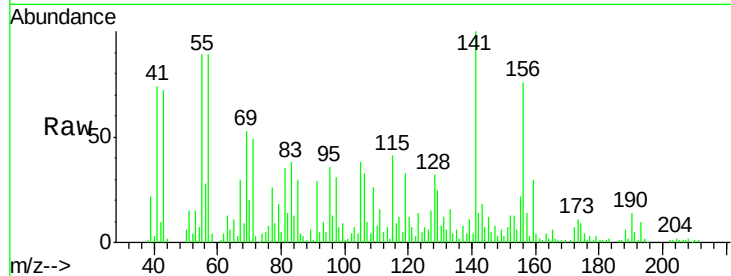




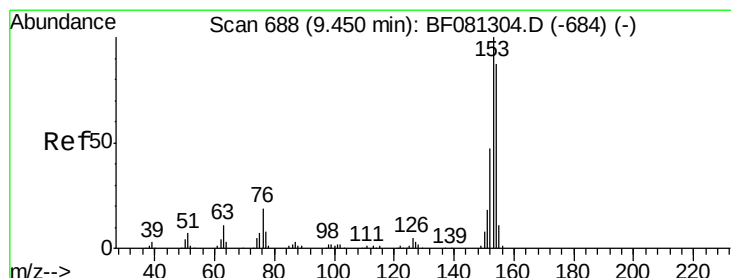
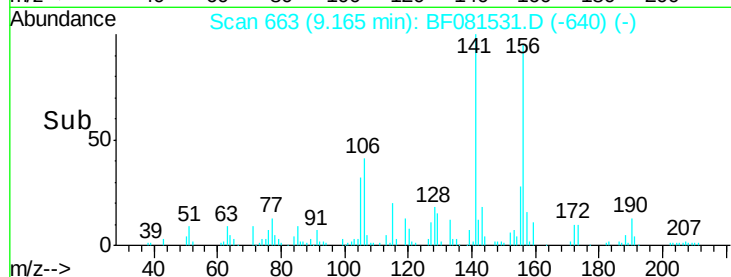
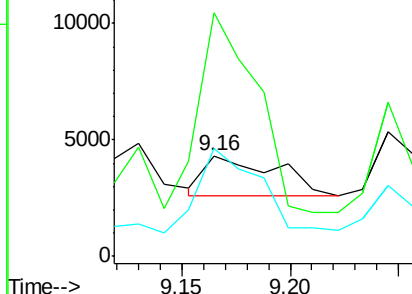
#50
2,6-Dinitrotoluene
Concen: 2.47 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.03 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 3792
Ion Ratio Lower Upper
165 100
63 241.8 32.3 48.5#
89 107.3 28.6 43.0#

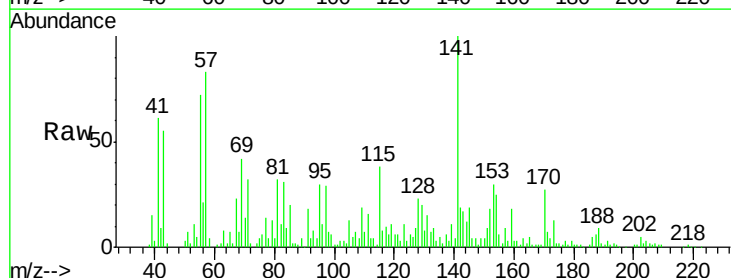


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

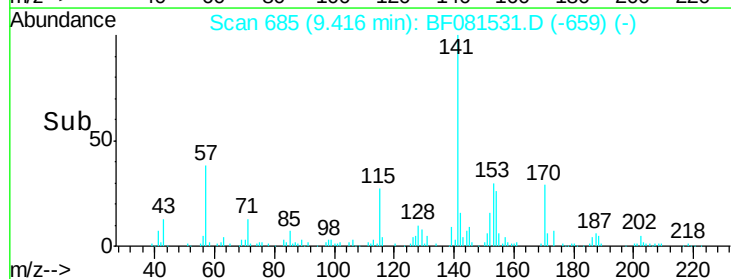
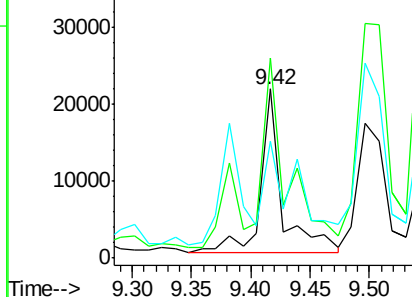


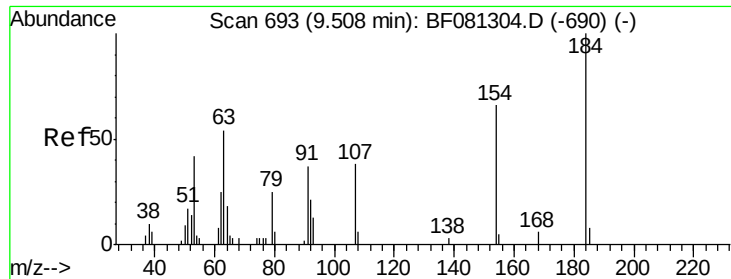
#51
Acenaphthene
Concen: 4.56 ng
RT: 9.42 min Scan# 685
Delta R.T. 0.00 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

Tgt Ion:154 Resp: 26609
Ion Ratio Lower Upper
154 100
153 118.2 82.1 123.1
152 69.0 37.9 56.9#



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

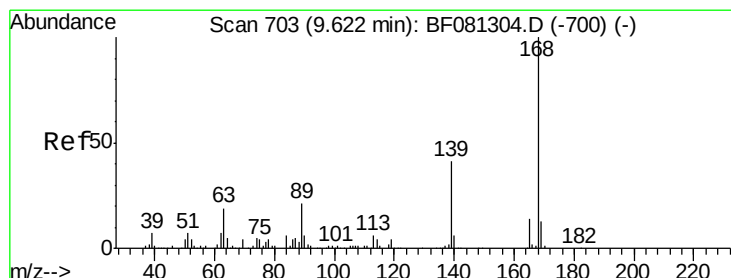
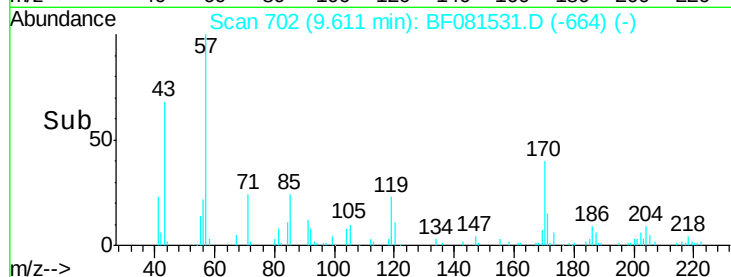
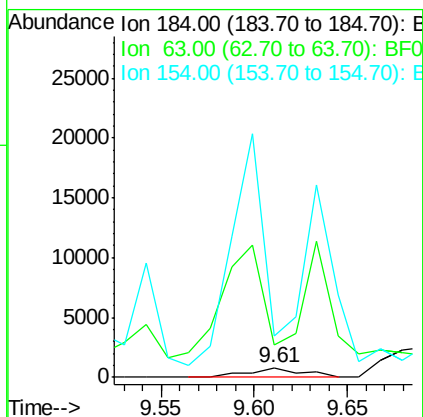
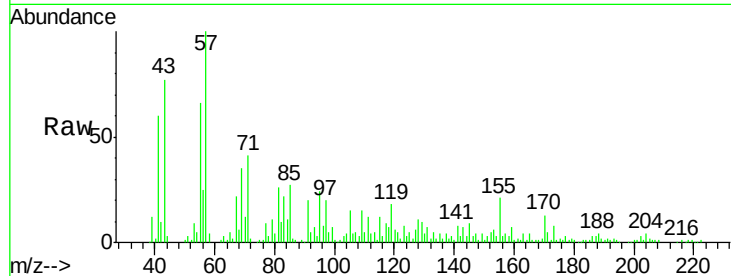




#53
 2,4-Dinitrophenol
 Concen: 2.51 na
 RT: 9.61 min Scan# 702
 Delta R.T. 0.14 min
 Lab File: BF081531.D
 Acq: 8 Sep 2015 19:49

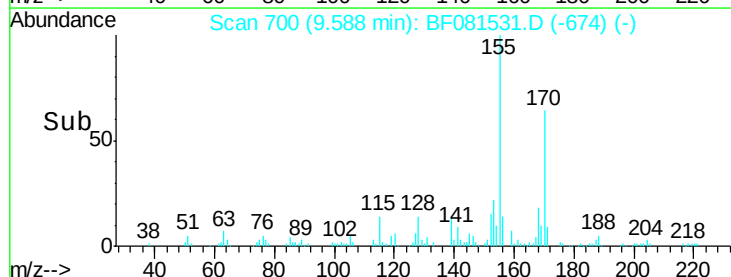
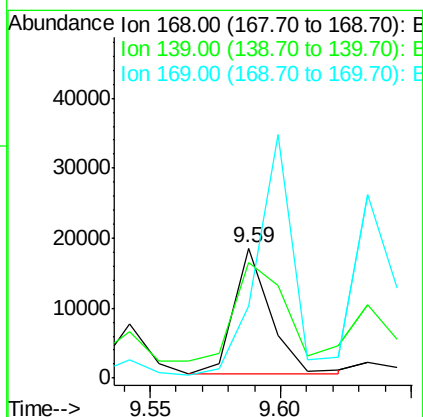
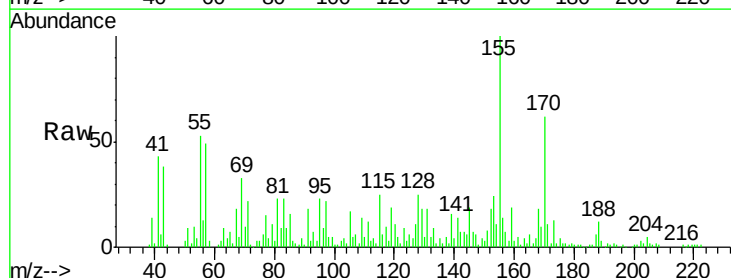
Instrument :
 BNA_F
 ClientSampled :

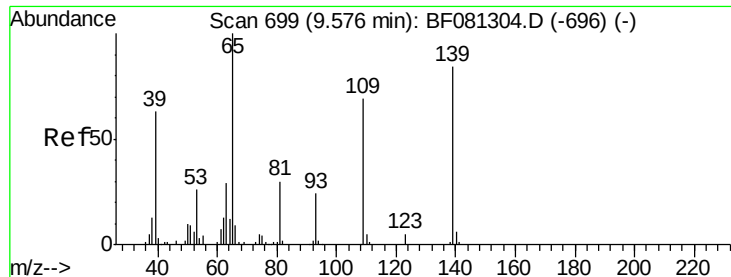
Tot Ion:184 Resp: 1625
 Ion Ratio Lower Upper
 184 100
 63 337.4 35.4 53.2#
 154 418.7 32.2 48.4#



#54
 Dibenzofuran
 Concen: 2.11 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: BF081531.D
 Acq: 8 Sep 2015 19:49

Tgt Ion:168 Resp: 18018
 Ion Ratio Lower Upper
 168 100
 139 88.9 24.2 36.2#
 169 55.8 10.6 15.8#

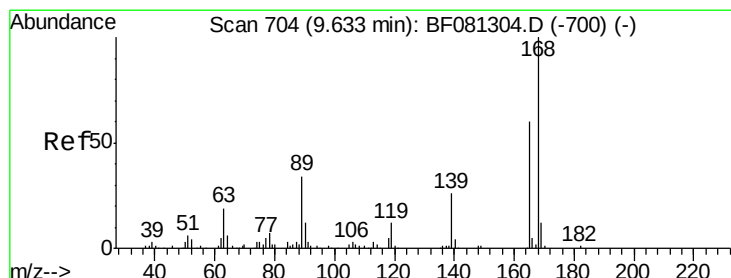
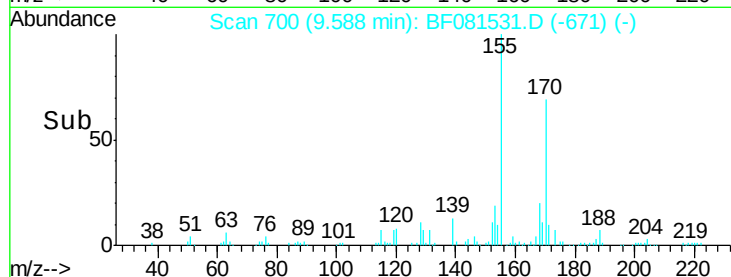
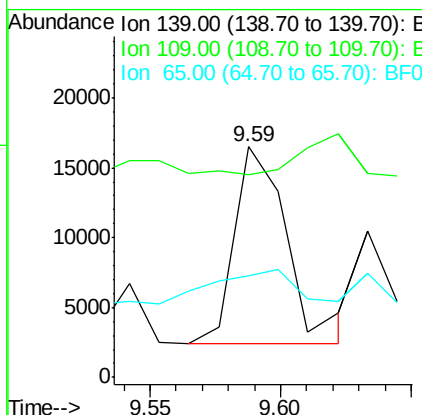
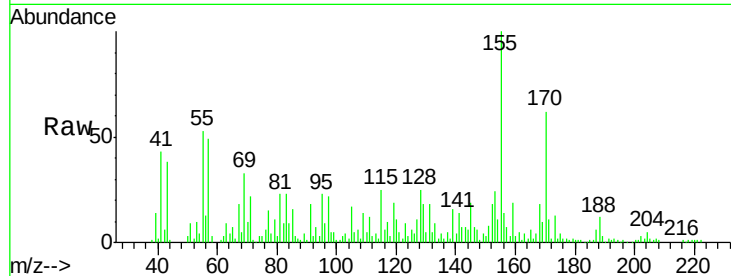




#55
4-Nitrophenol
Concen: 18.25 na
RT: 9.59 min Scan# 700
Delta R.T. 0.03 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

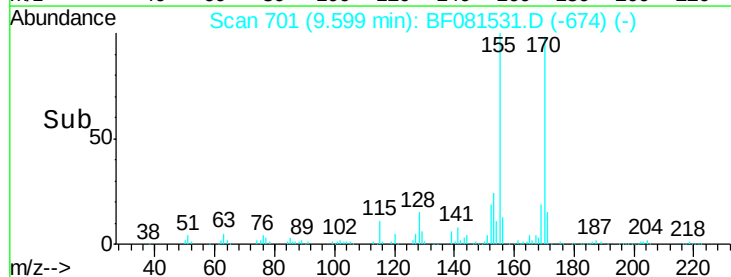
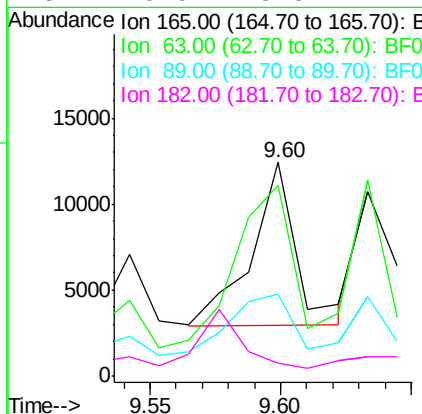
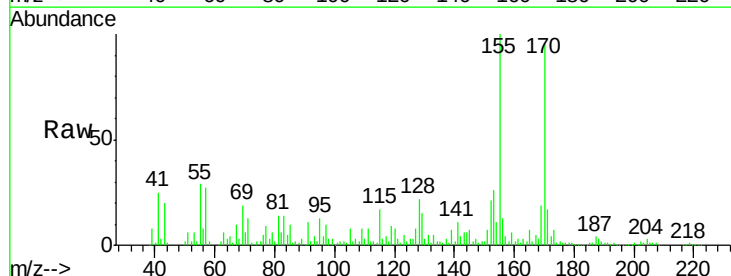
Instrument :
BNA_F
ClientSampleId :

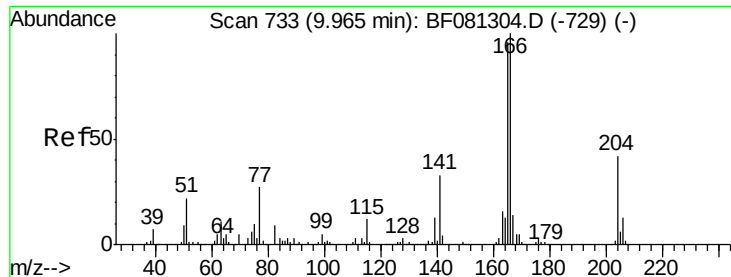
Tot Ion:139 Resp: 20028
Ion Ratio Lower Upper
139 100
109 87.6 12.7 52.7#
65 44.0 45.9 85.9#



#56
2,4-Dinitrotoluene
Concen: 5.89 ng
RT: 9.60 min Scan# 701
Delta R.T. 0.01 min
Lab File: BF081531.D
Acq: 8 Sep 2015 19:49

Tgt Ion:165 Resp: 11513
Ion Ratio Lower Upper
165 100
63 89.2 29.8 44.6#
89 38.5 44.5 66.7#
182 6.0 3.0 4.4#

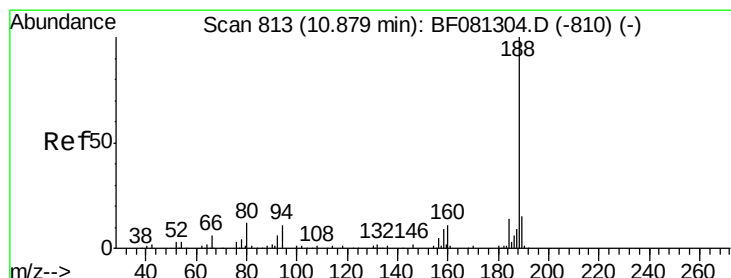
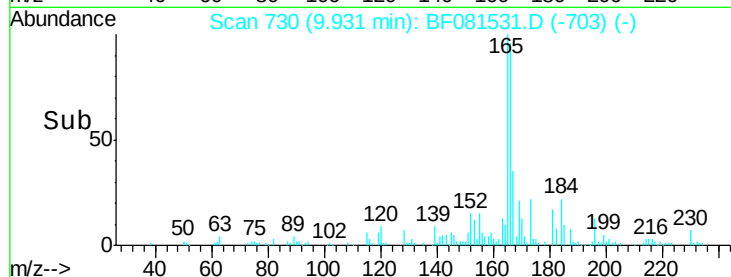
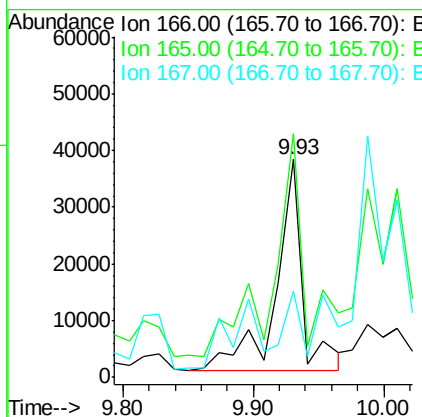
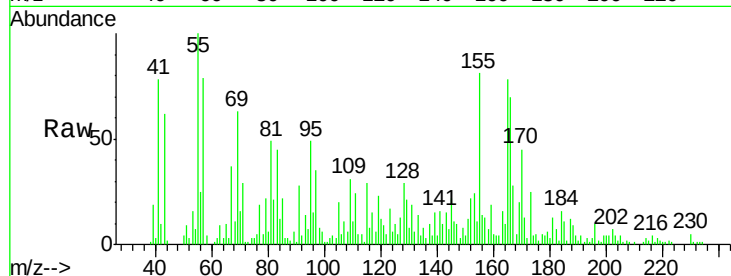




#57
 Fluorene
 Concen: 8.25 ng
 RT: 9.93 min Scan# 730
 Delta R.T. 0.01 min
 Lab File: BF081531.D
 Acq: 8 Sep 2015 19:49

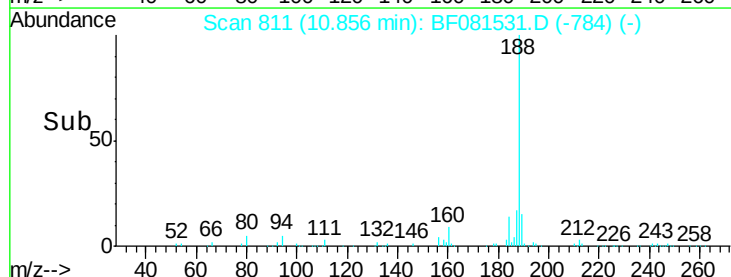
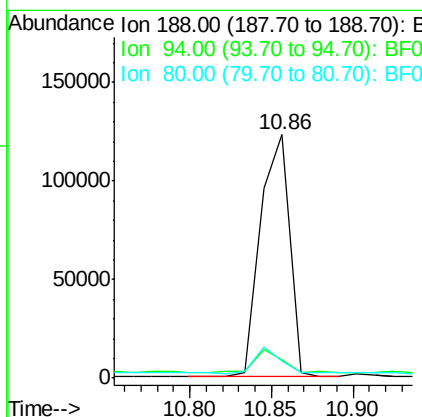
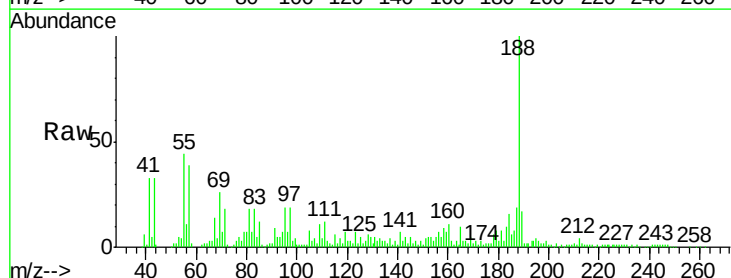
Instrument :
 BNA_F
 ClientSampled :

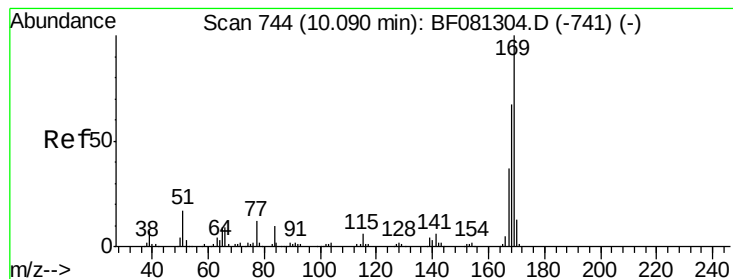
Tot Ion:166 Resp: 53330
 Ion Ratio Lower Upper
 166 100
 165 111.7 72.6 109.0#
 167 39.3 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.86 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: BF081531.D
 Acq: 8 Sep 2015 19:49

Tgt Ion:188 Resp: 153346
 Ion Ratio Lower Upper
 188 100
 94 7.3 11.1 16.7#
 80 7.2 11.0 16.4#





#65

n-Nitrosodiphenylamine

Concen: 13.95 ng

RT: 10.06 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

Instrument :

BNA_F

ClientSampleId :

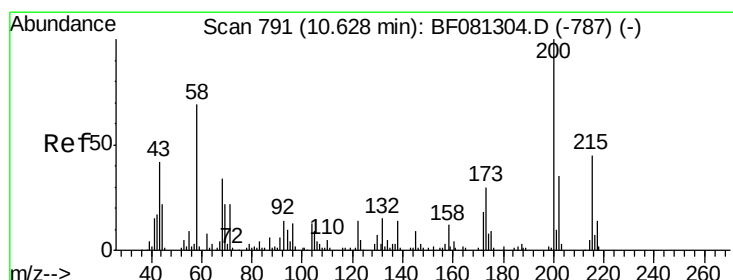
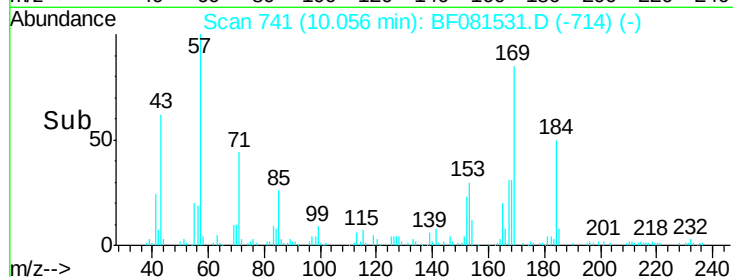
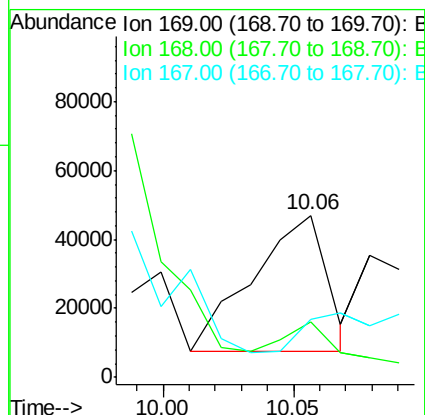
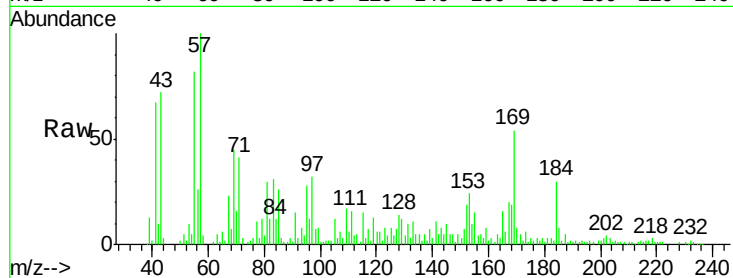
Tot Ion:169 Resp: 77859

Ion Ratio Lower Upper

169 100

168 34.4 48.9 73.3#

167 36.0 26.2 39.4



#68

Atrazine

Concen: 3.07 ng

RT: 10.59 min Scan# 788

Delta R.T. 0.01 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

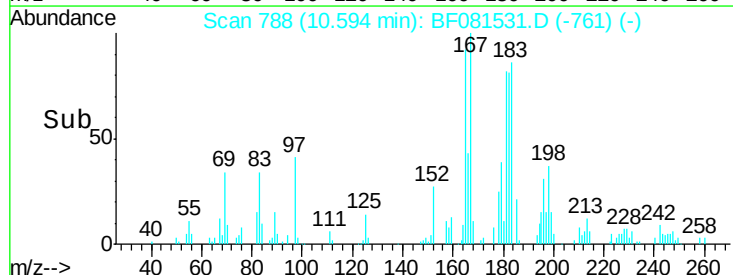
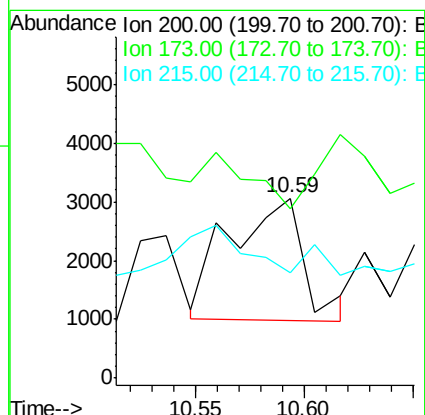
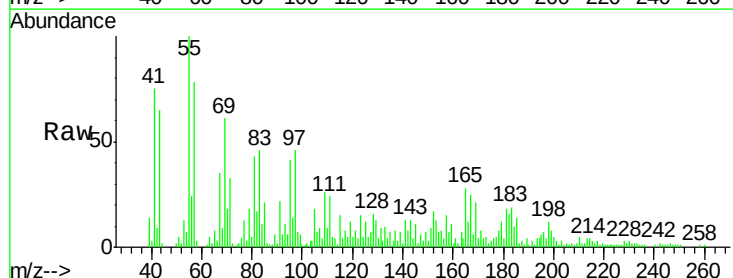
Tgt Ion:200 Resp: 4955

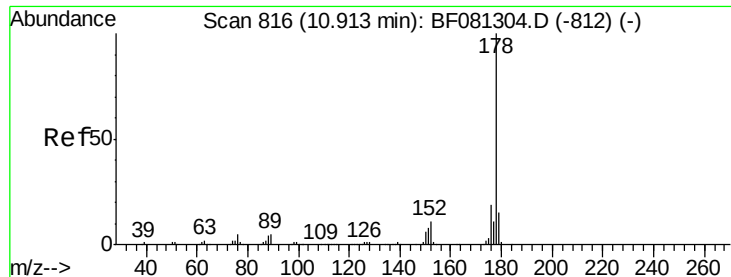
Ion Ratio Lower Upper

200 100

173 94.1 13.2 53.2#

215 58.8 41.8 81.8





#70

Phenanthrene

Concen: 12.04 ng

RT: 10.88 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

Instrument :

BNA_F

ClientSampleId :

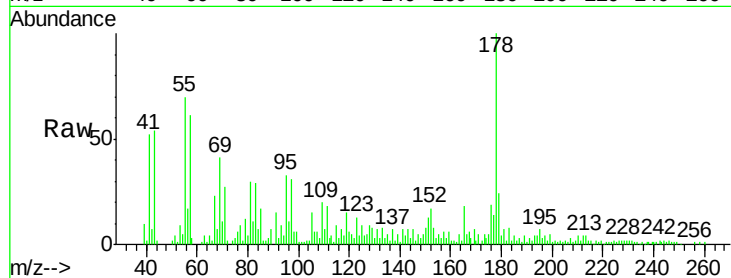
Tot Ion:178 Resp: 102628

Ion Ratio Lower Upper

178 100

176 19.3 13.8 20.8

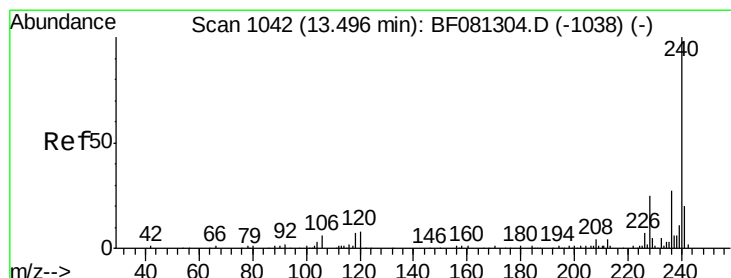
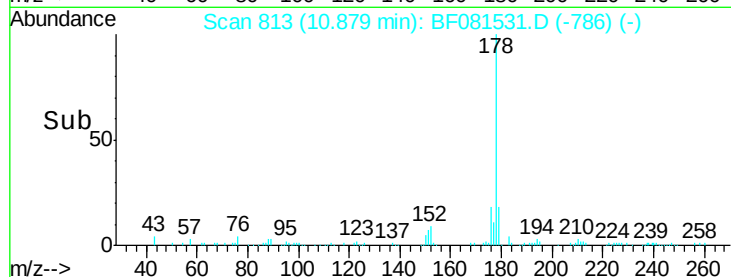
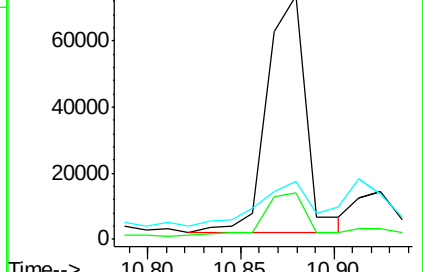
179 23.8 12.2 18.2#



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: 13.45 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

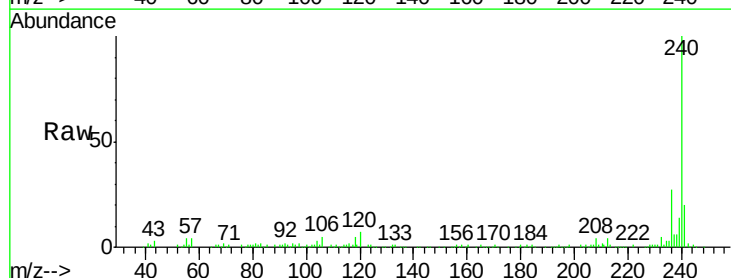
Tgt Ion:240 Resp: 112520

Ion Ratio Lower Upper

240 100

120 6.6 16.2 24.2#

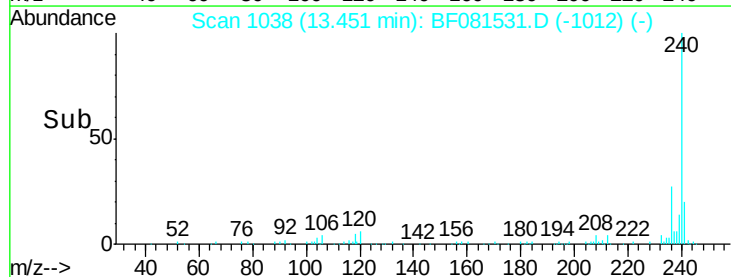
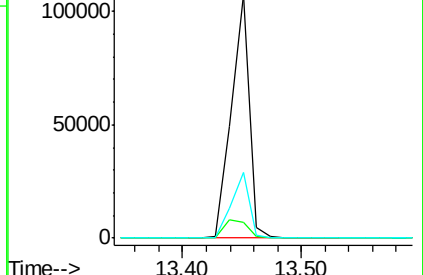
236 27.1 18.4 27.6

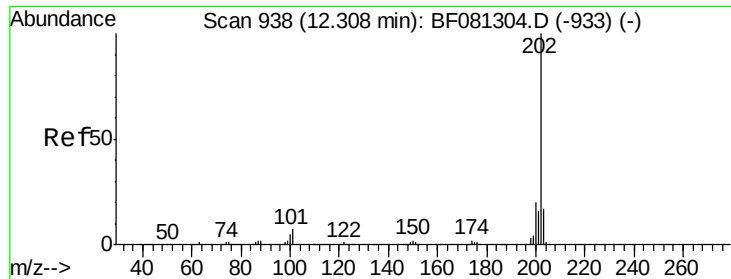


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.31 ng

RT: 12.26 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

Instrument :

BNA_F

ClientSampleId :

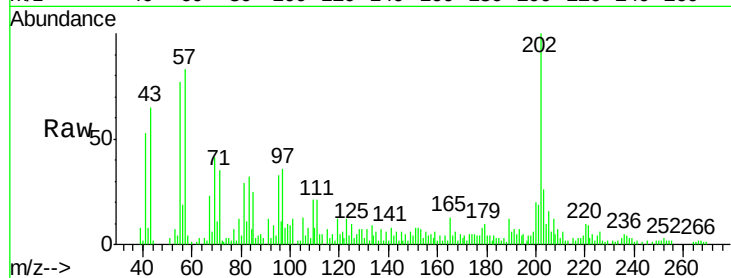
Tot Ion:202 Resp: 27623

Ion Ratio Lower Upper

202 100

200 20.0 15.0 22.4

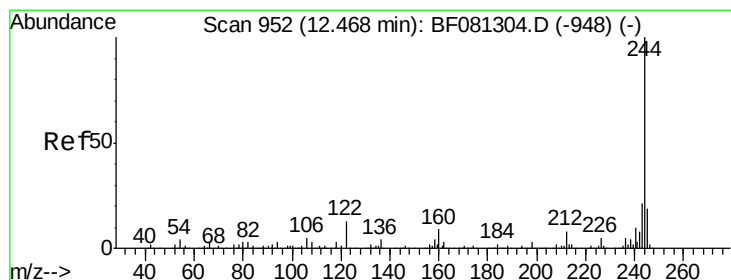
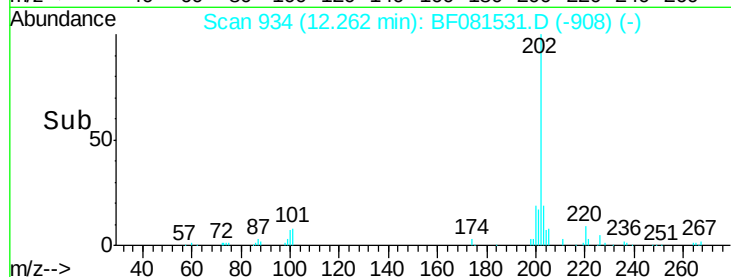
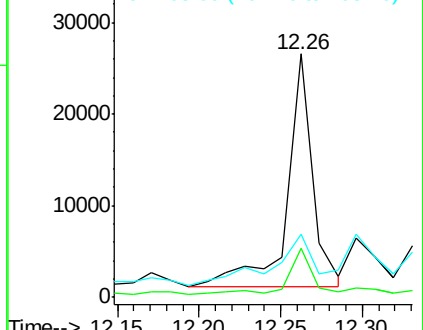
203 25.8 14.1 21.1#



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: 83.50 ng

RT: 12.43 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF081531.D

Acq: 8 Sep 2015 19:49

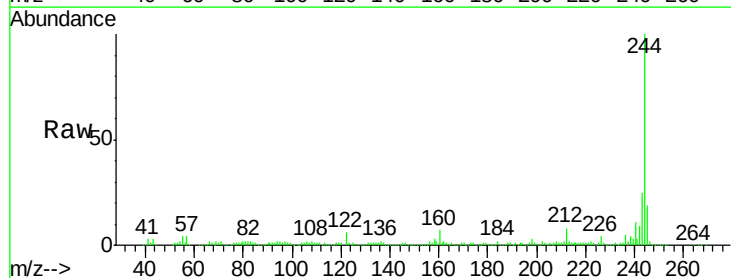
Tgt Ion:244 Resp: 403591

Ion Ratio Lower Upper

244 100

212 7.5 4.3 6.5#

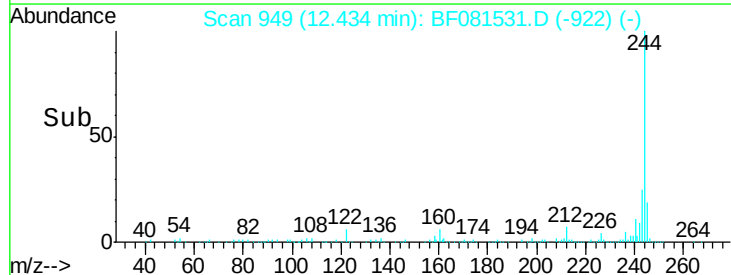
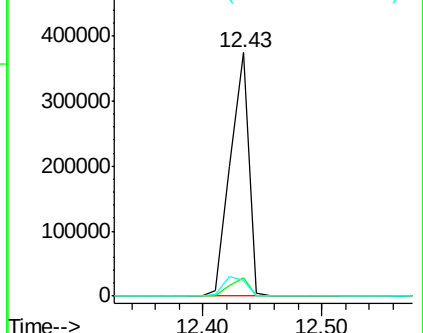
122 6.3 17.4 26.2#

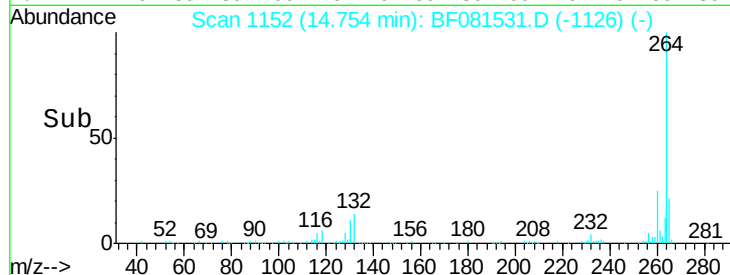
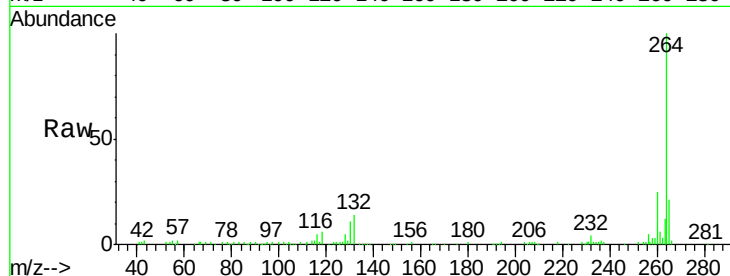
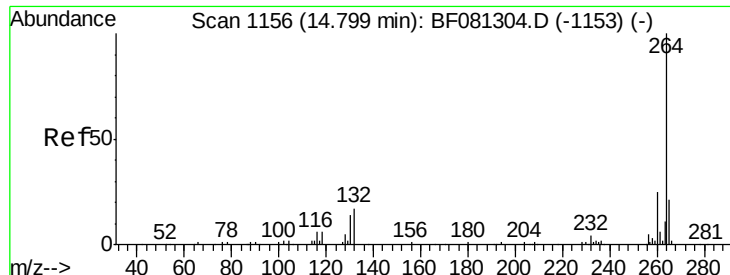


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.75 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BF081531.D
 Acq: 8 Sep 2015 19:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	109293
Ion	Ratio	Lower	Upper
264	100		
260	24.7	16.7	25.1
265	21.2	17.2	25.8

