

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090515\
 Data File : BF081504.D
 Acq On : 6 Sep 2015 12:14
 Operator : UM/IZ
 Sample : G3555-12
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Sep 07 01:56:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

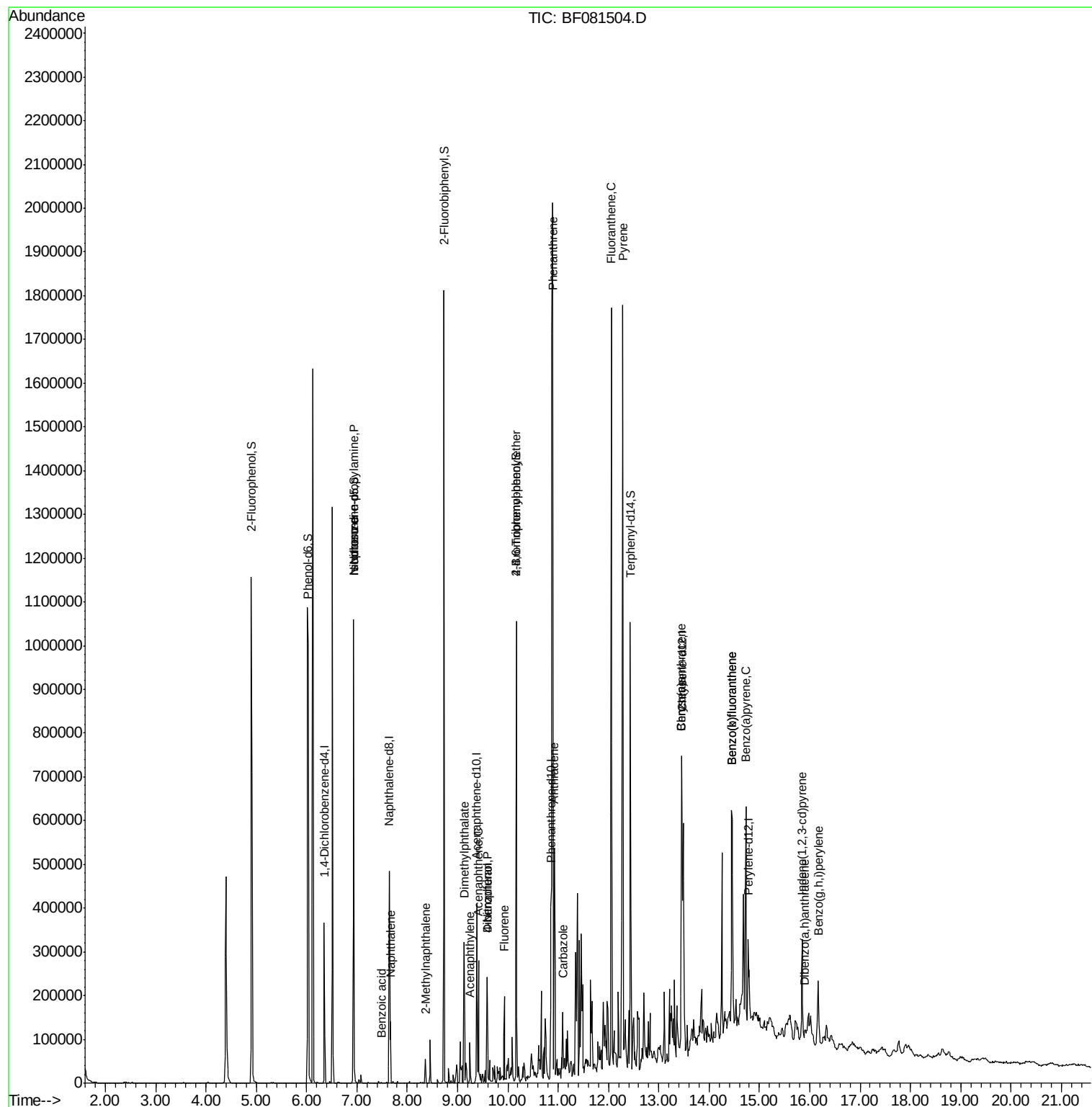
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	50260	20.00	ng	-0.03
21) Naphthalene-d8	7.64	136	194072	20.00	ng	-0.03
38) Acenaphthene-d10	9.38	164	84926	20.00	ng	-0.03
63) Phenanthrene-d10	10.86	188	162563	20.00	ng	-0.02
75) Chrysene-d12	13.46	240	90559	20.00	ng	-0.03
86) Perylene-d12	14.78	264	90793	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	353916	109.25	ng	-0.02
7) Phenol-d6	6.03	99	524131	122.23	ng	-0.02
23) Nitrobenzene-d5	6.94	82	338769	84.22	ng	-0.03
41) 2,4,6-Tribromophenol	10.17	330	80447	106.39	ng	-0.03
44) 2-Fluorobiphenyl	8.73	172	505950	76.34	ng	-0.03
78) Terphenyl-d14	12.43	244	296071	76.11	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.94	70	46443	15.91	ng	# 63
25) Isophorone	6.94	82	253436	33.87	ng	# 58
31) Naphthalene	7.67	128	53752	5.19	ng	# 98
32) Benzoic acid	7.48	122	371	2.70	ng	# 9
37) 2-Methylnaphthalene	8.36	142	22960	3.41	ng	# 89
48) Acenaphthylene	9.24	152	28098	2.81	ng	# 95
49) Dimethylphthalate	9.13	163	122321	18.54	ng	# 97
51) Acenaphthene	9.42	154	55208	9.69	ng	# 93
54) Dibenzofuran	9.59	168	75619	9.09	ng	# 81
55) 4-Nitrophenol	9.59	139	32811	30.63	ng	# 27
57) Fluorene	9.93	166	56395	8.94	ng	# 96
66) 4-Bromophenyl-phenylether	10.17	248	6449	3.92	ng	# 1
70) Phenanthrene	10.89	178	1171438	129.62	ng	# 96
71) Anthracene	10.92	178	226541	24.40	ng	# 97
72) Carbazole	11.10	167	78246	8.98	ng	# 98
74) Fluoranthene	12.06	202	926220	94.67	ng	# 91
77) Pyrene	12.29	202	956357	142.57	ng	# 98
80) Benzo(a)anthracene	13.45	228	334164	57.94	ng	# 93
82) Chrysene	13.45	228	334164	64.64	ng	# 95
85) Indeno(1,2,3-cd)pyrene	15.85	276	123626	32.59	ng	# 81
87) Benzo(b)fluoranthene	14.45	252	373539	57.63	ng	# 88
88) Benzo(k)fluoranthene	14.45	252	373539	69.45	ng	# 88
89) Benzo(a)pyrene	14.73	252	226385	41.22	ng	# 82
90) Dibenzo(a,h)anthracene	15.91	278	9948	2.34	ng	# 84
91) Benzo(g,h,i)perylene	16.17	276	107522	26.54	ng	# 72

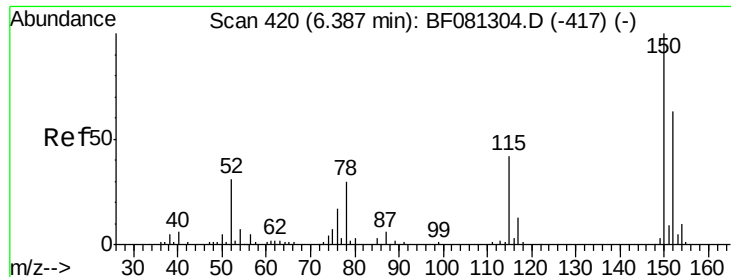
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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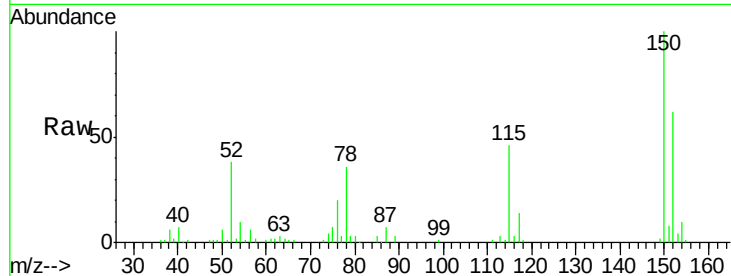


#1

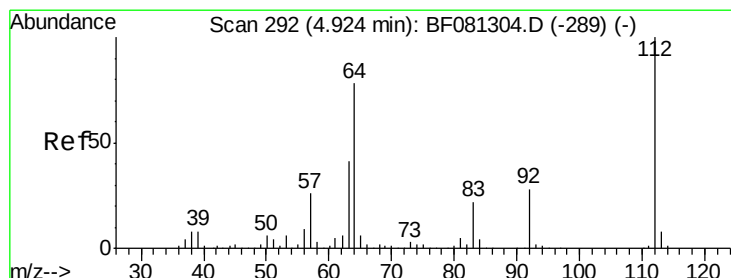
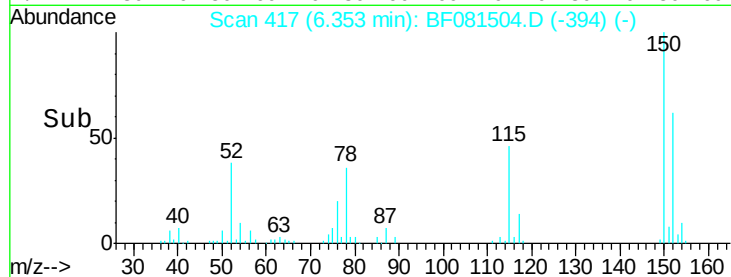
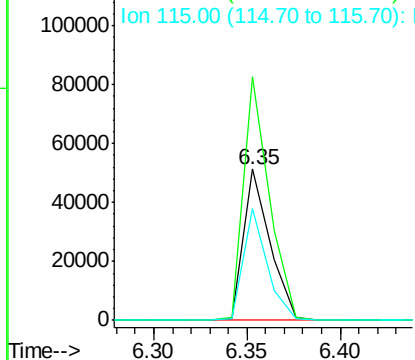
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.35 min Scan# 417
Delta R.T. -0.03 min
Lab File: BF081504.D
Acq: 6 Sep 2015 12:14

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion:152 Resp: 50260
Ion Ratio Lower Upper
152 100
150 161.2 124.7 187.1
115 74.2 39.0 58.4#



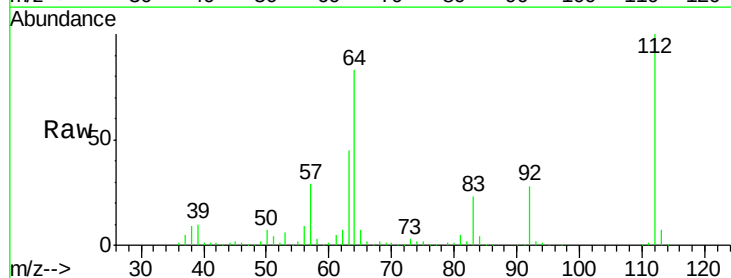
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



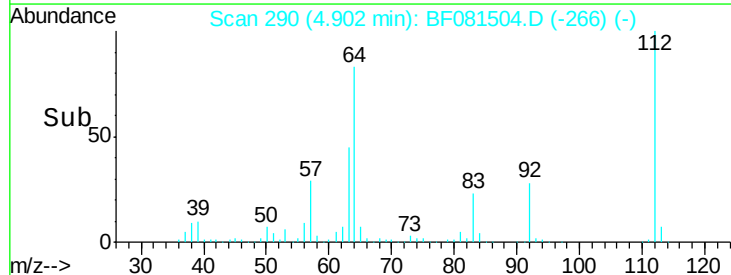
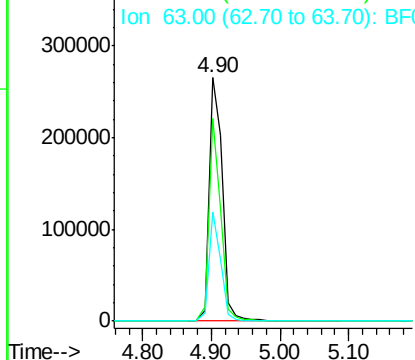
#5

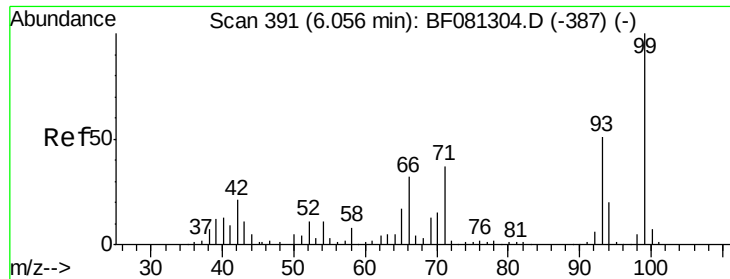
2-Fluorophenol
Concen: 109.25 ng
RT: 4.90 min Scan# 290
Delta R.T. -0.02 min
Lab File: BF081504.D
Acq: 6 Sep 2015 12:14

Tgt Ion:112 Resp: 353916
Ion Ratio Lower Upper
112 100
64 83.2 39.7 59.5#
63 44.8 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: 122.23 ng

RT: 6.03 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampled :

COMP-2

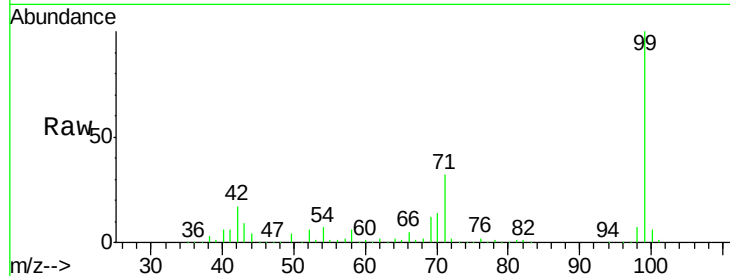
Tot Ion: 99 Resp: 524131

Ion Ratio Lower Upper

99 100

42 16.9 13.7 20.5

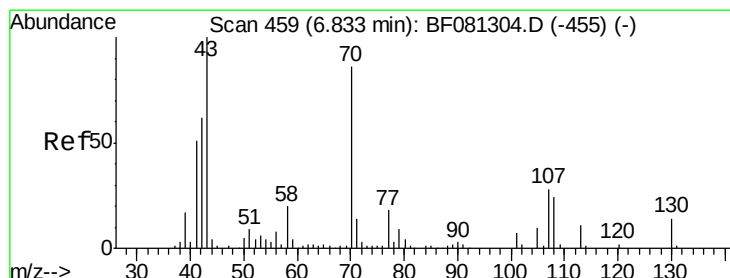
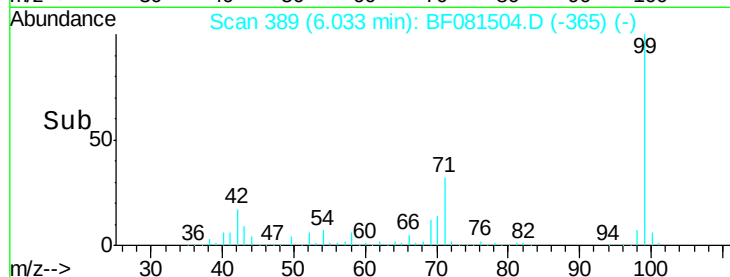
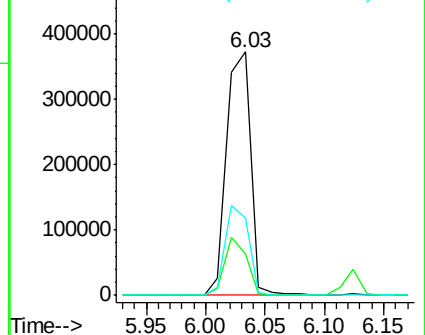
71 32.0 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.91 ng

RT: 6.94 min Scan# 468

Delta R.T. 0.10 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Tgt Ion: 70 Resp: 46443

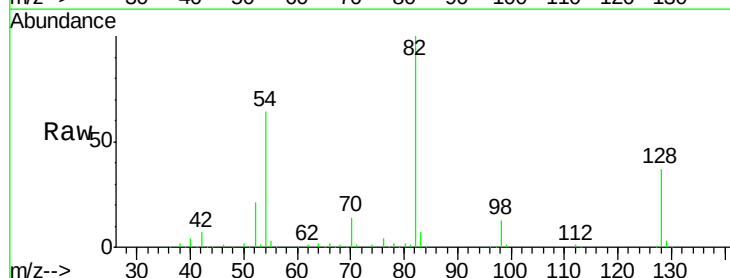
Ion Ratio Lower Upper

70 100

42 54.2 63.8 95.6#

101 0.0 9.2 13.8#

130 1.6 27.3 40.9#

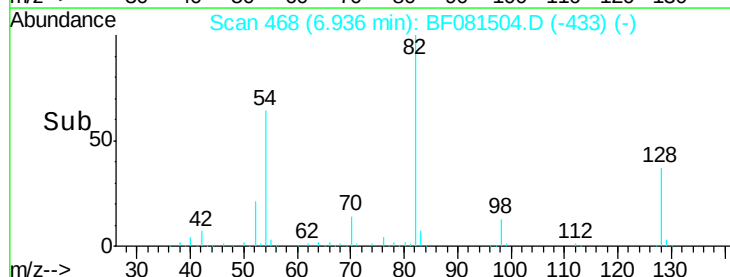
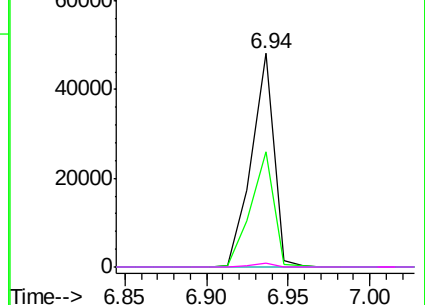


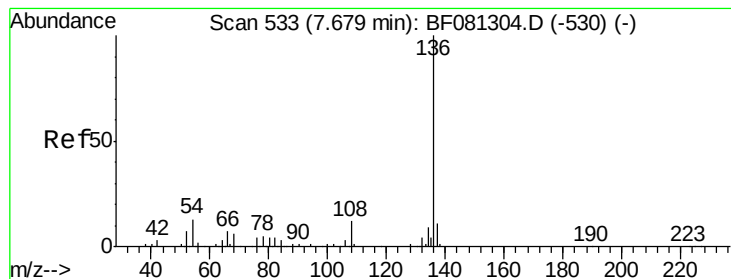
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tot Ion:136 Resp: 194072

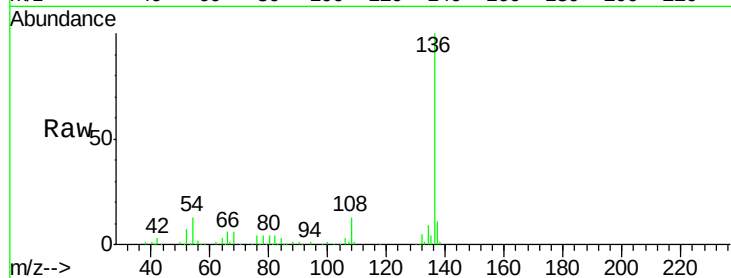
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 12.8 8.2 12.2#

68 5.6 5.8 8.6#

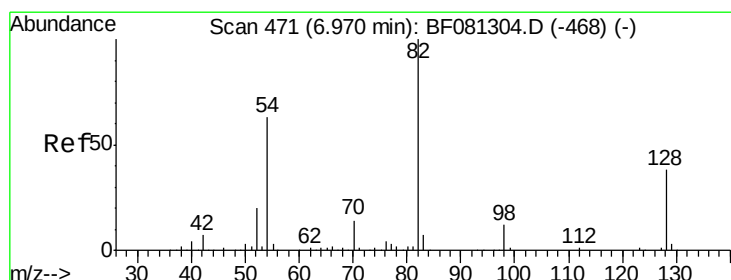
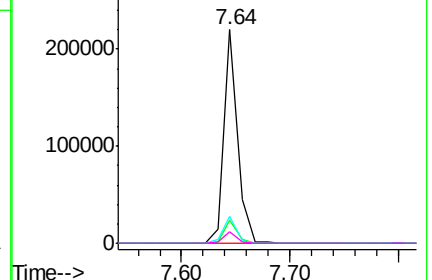
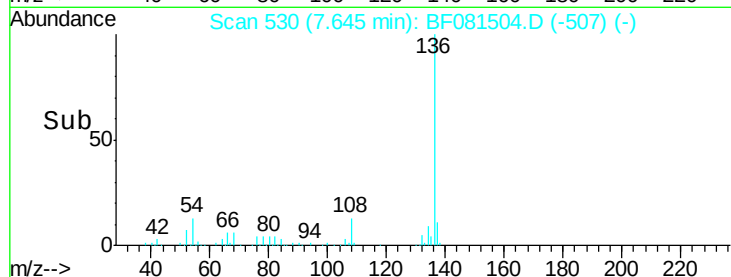


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.22 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.03 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

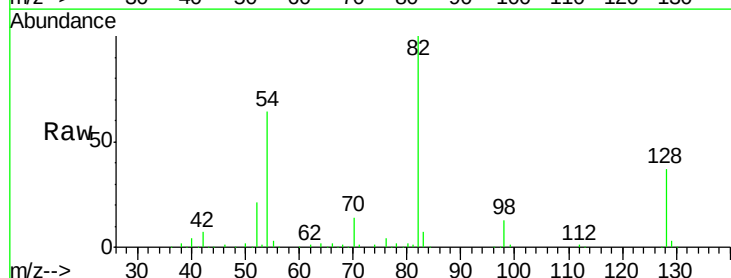
Tgt Ion: 82 Resp: 338769

Ion Ratio Lower Upper

82 100

128 37.1 51.0 76.6#

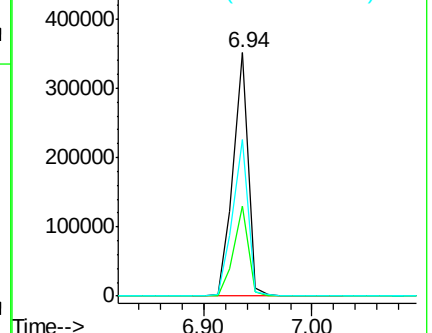
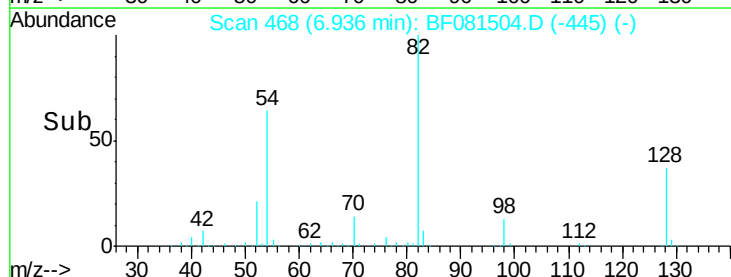
54 64.2 47.5 71.3

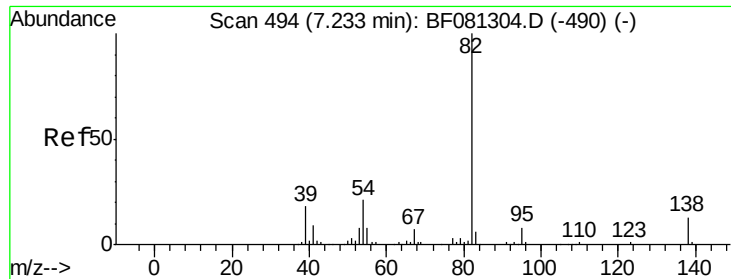


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.87 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.30 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampleId :

COMP-2

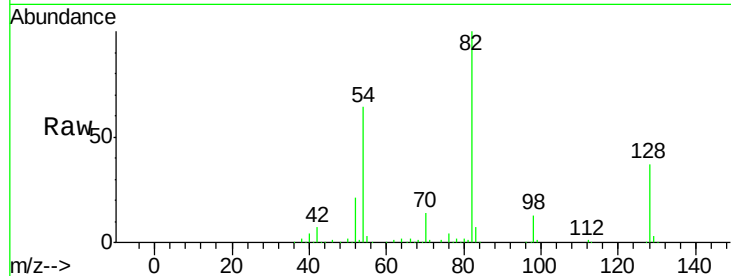
Tot Ion: 82 Resp: 253436

Ion Ratio Lower Upper

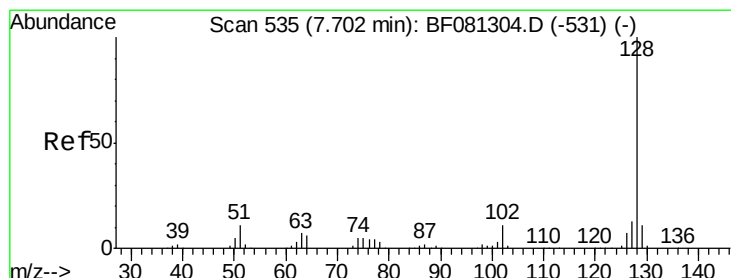
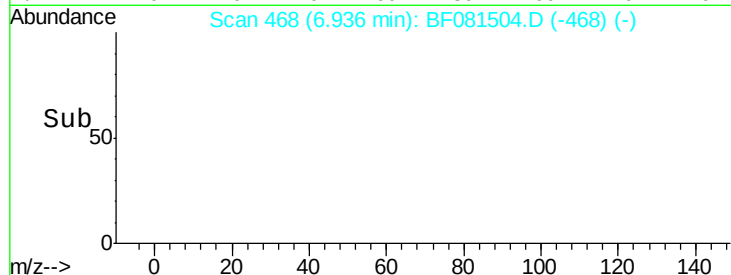
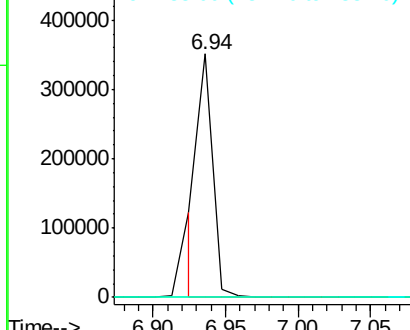
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



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: 5.19 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.03 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

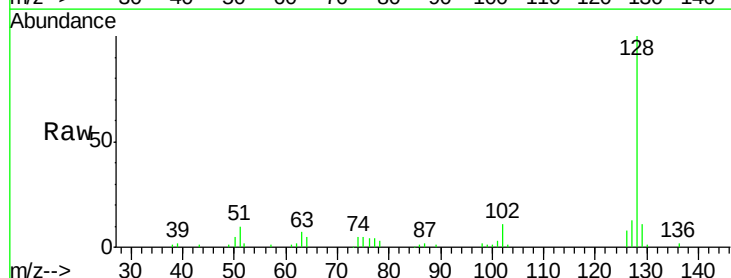
Tgt Ion: 128 Resp: 53752

Ion Ratio Lower Upper

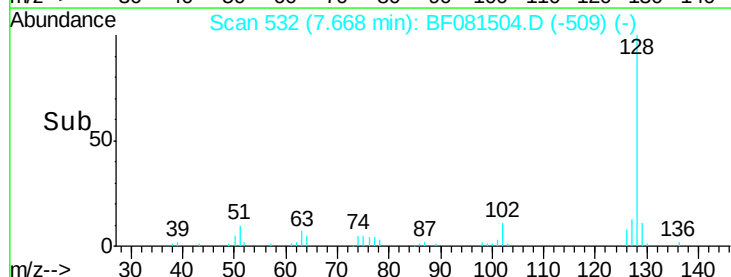
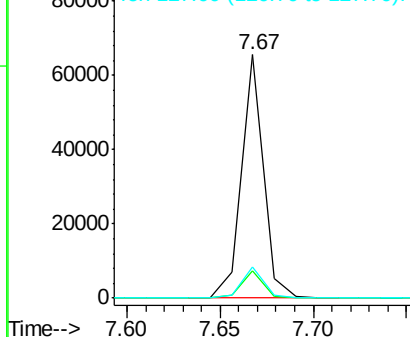
128 100

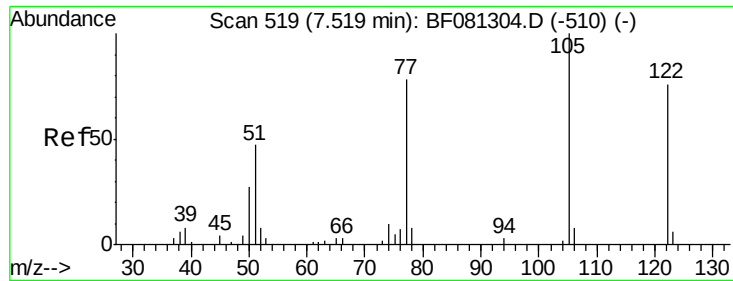
129 11.4 8.4 12.6

127 12.7 9.9 14.9



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

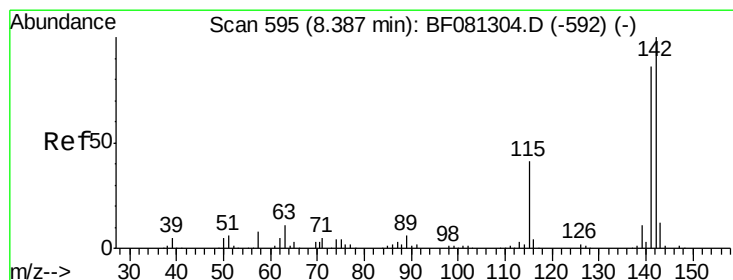
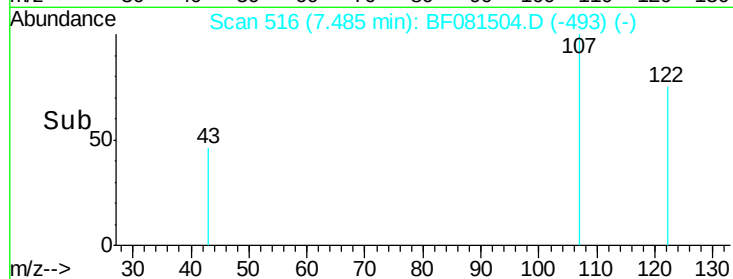
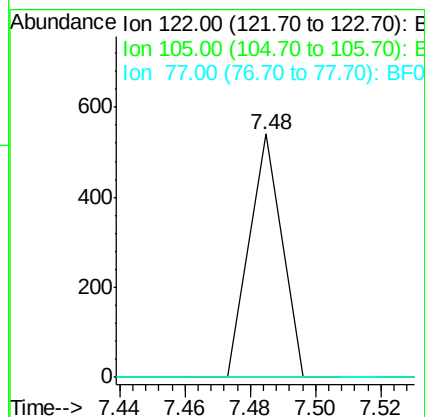
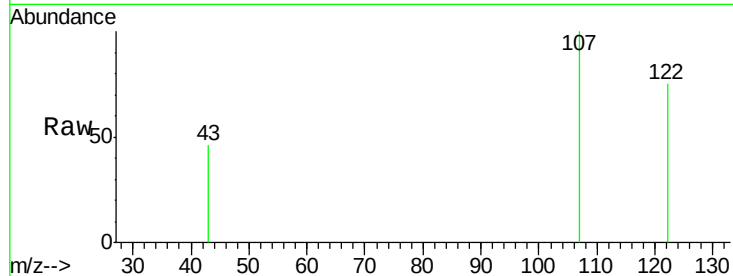




#32
Benzoic acid
Concen: 2.70 ng
RT: 7.48 min Scan# 516
Delta R.T. -0.03 min
Lab File: BF081504.D
Acq: 6 Sep 2015 12:14

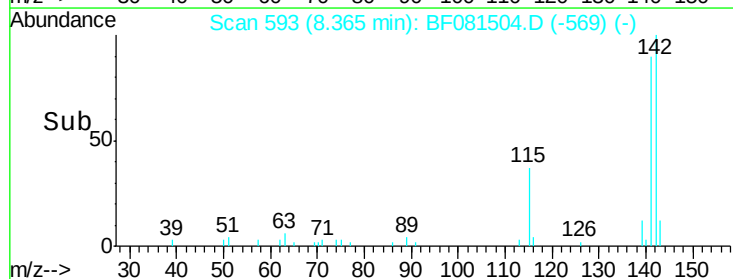
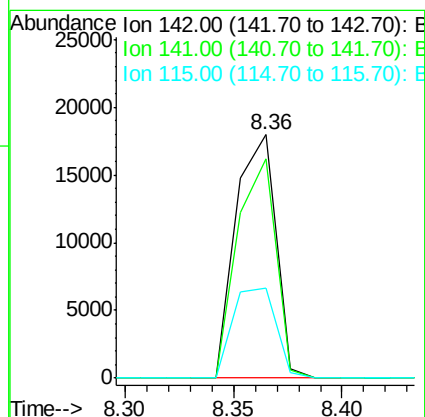
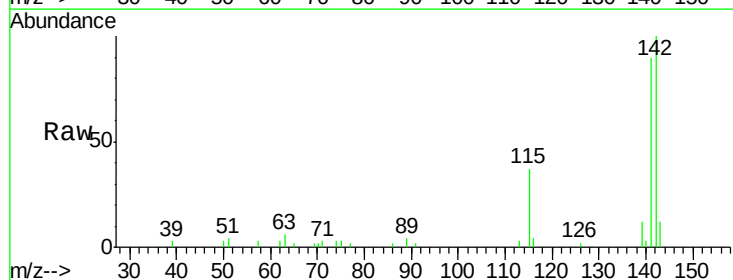
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ClientSampleId :
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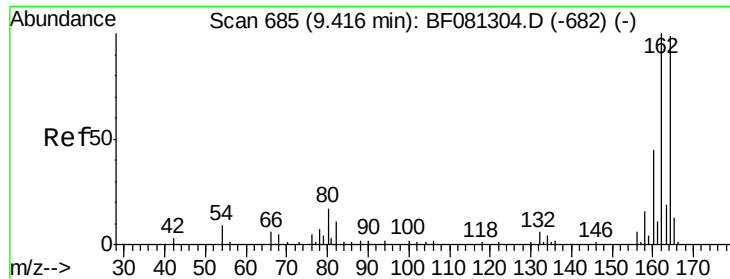
Tot Ion:122 Resp: 371
Ion Ratio Lower Upper
122 100
105 0.0 76.1 116.1#
77 0.0 40.5 80.5#



#37
2-Methylnaphthalene
Concen: 3.41 ng
RT: 8.36 min Scan# 593
Delta R.T. -0.02 min
Lab File: BF081504.D
Acq: 6 Sep 2015 12:14

Tgt Ion:142 Resp: 22960
Ion Ratio Lower Upper
142 100
141 90.0 67.5 101.3
115 36.9 18.2 27.2#

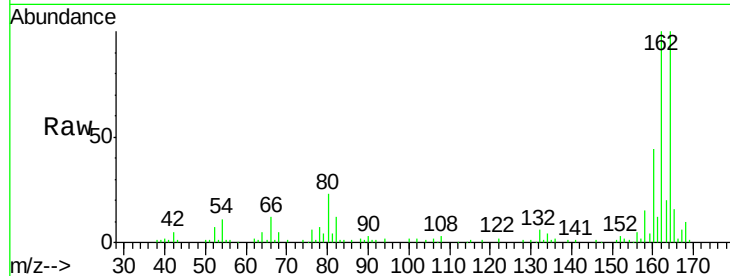




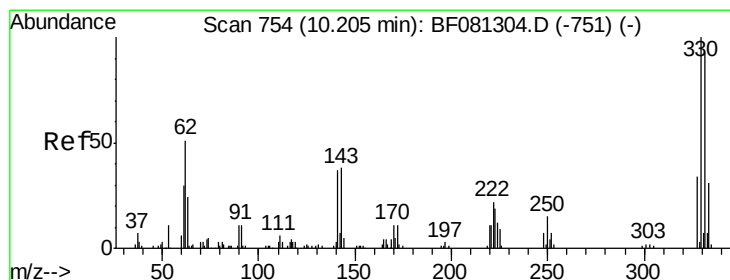
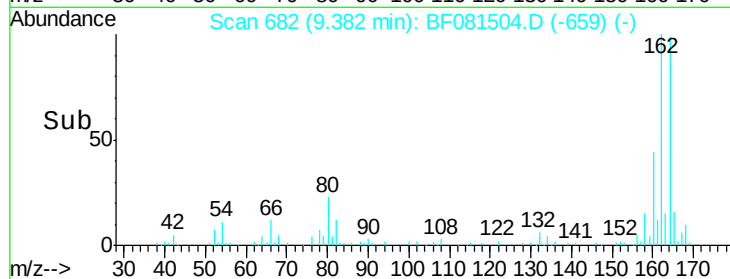
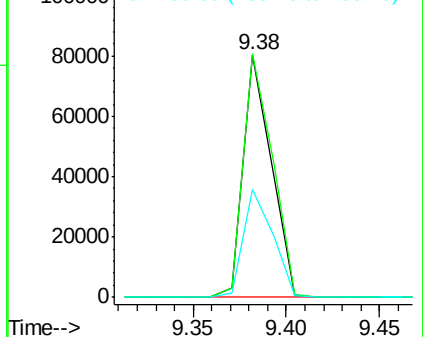
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.03 min
 Lab File: BF081504.D
 Acq: 6 Sep 2015 12:14

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:164 Resp: 84926
 Ion Ratio Lower Upper
 164 100
 162 100.5 75.2 112.8
 160 44.6 31.5 47.3

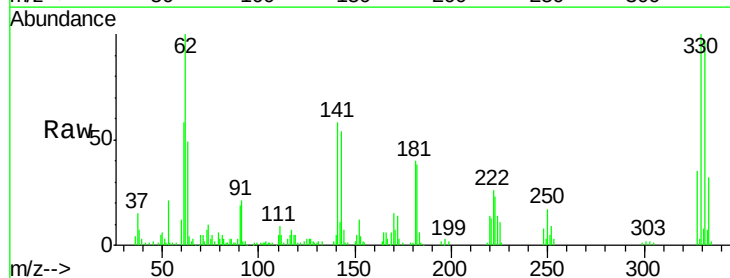


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

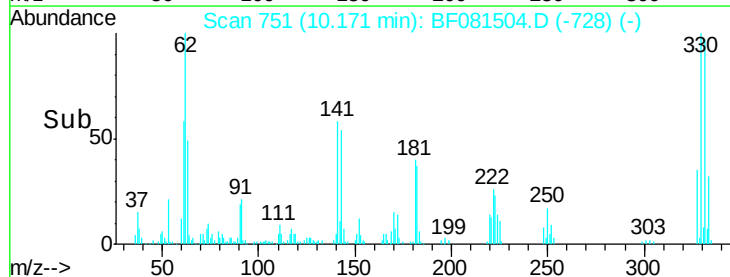
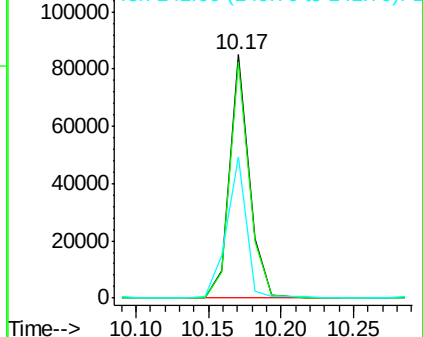


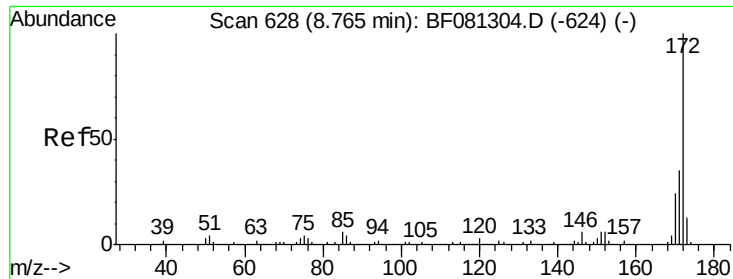
#41
 2,4,6-Tribromophenol
 Concen: 106.39 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.03 min
 Lab File: BF081504.D
 Acq: 6 Sep 2015 12:14

Tgt Ion:330 Resp: 80447
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 114.8
 141 58.5 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

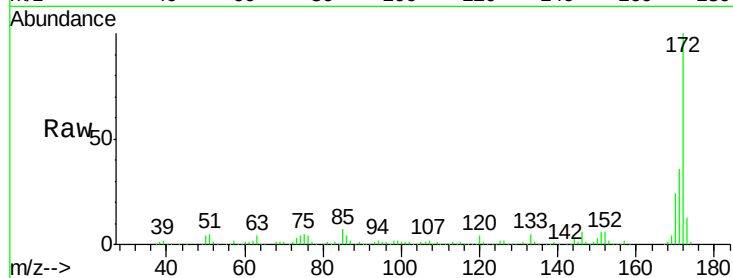




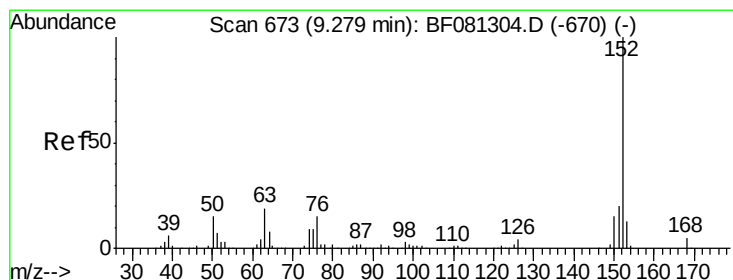
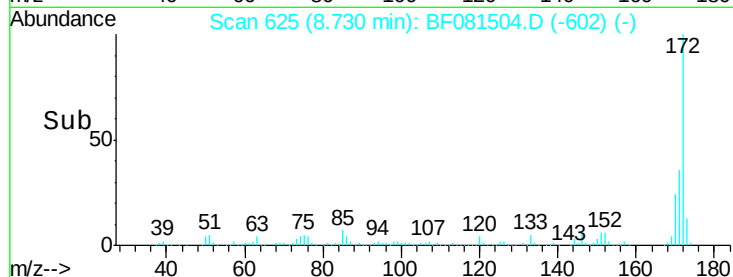
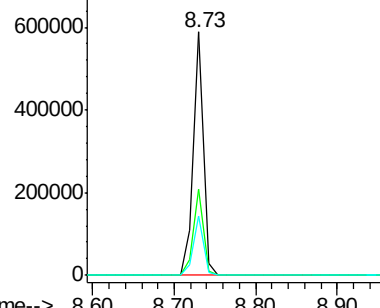
#44
 2-Fluorobiphenyl
 Concen: 76.34 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF081504.D
 Acq: 6 Sep 2015 12:14

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	26.1	39.1
170	24.3	17.4	26.2

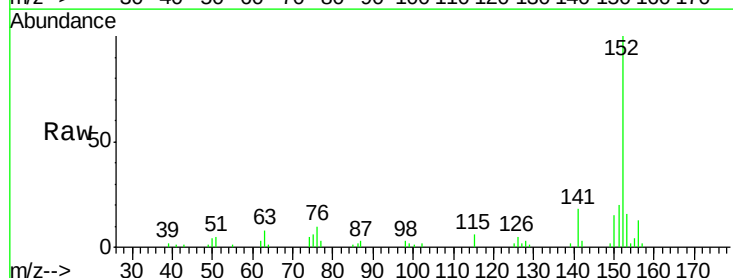


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

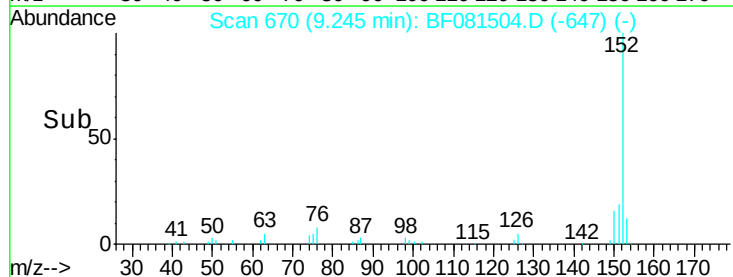
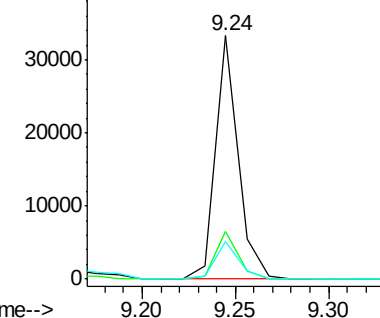


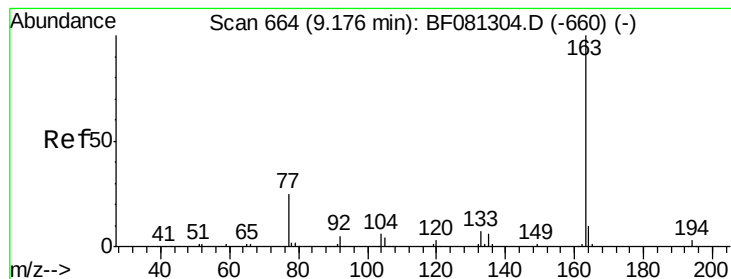
#48
 Acenaphthylene
 Concen: 2.81 ng
 RT: 9.24 min Scan# 670
 Delta R.T. -0.03 min
 Lab File: BF081504.D
 Acq: 6 Sep 2015 12:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	14.6	22.0
153	15.5	10.3	15.5#



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





#49

Dimethylphthalate

Concen: 18.54 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.05 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampleId :

COMP-2

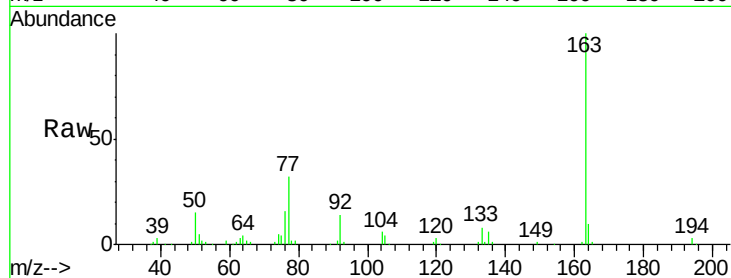
Tot Ion:163 Resp: 122321

Ion Ratio Lower Upper

163 100

194 2.8 4.4 6.6#

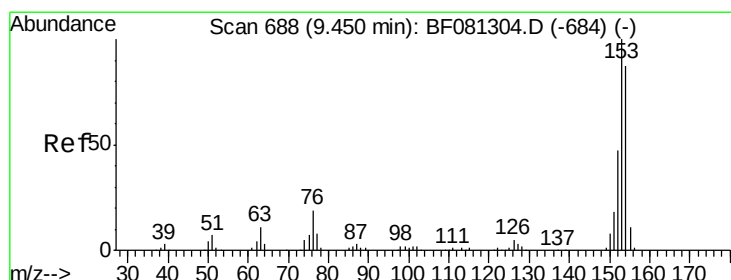
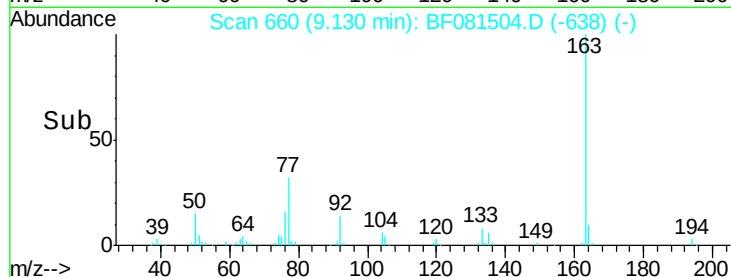
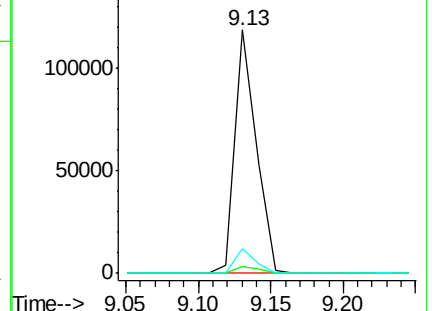
164 10.4 8.3 12.5



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



#51

Acenaphthene

Concen: 9.69 ng

RT: 9.42 min Scan# 685

Delta R.T. -0.03 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

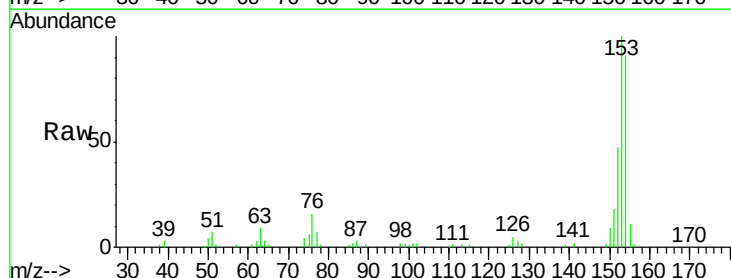
Tgt Ion:154 Resp: 55208

Ion Ratio Lower Upper

154 100

153 109.7 82.1 123.1

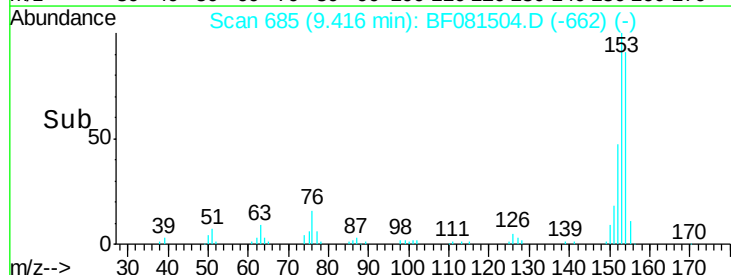
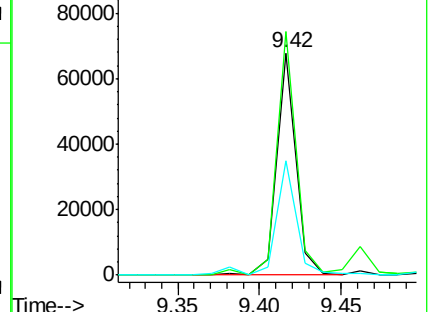
152 51.4 37.9 56.9

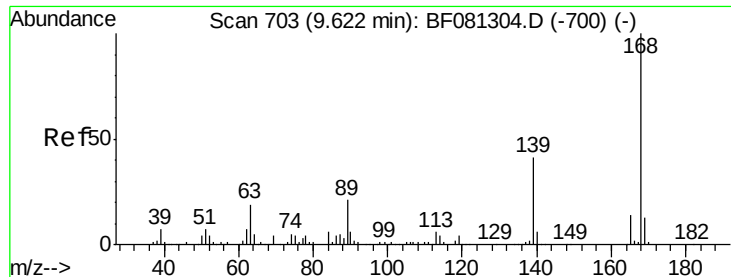


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 9.09 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.03 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampled :

COMP-2

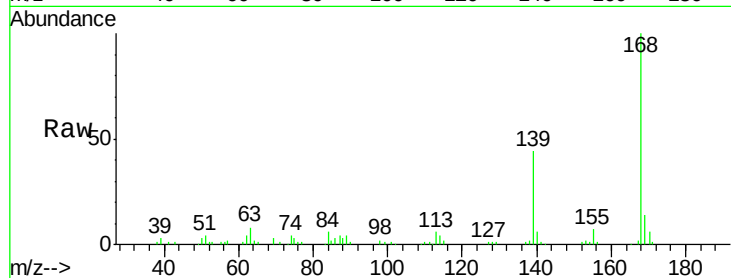
Tot Ion:168 Resp: 75619

Ion Ratio Lower Upper

168 100

139 44.5 24.2 36.2#

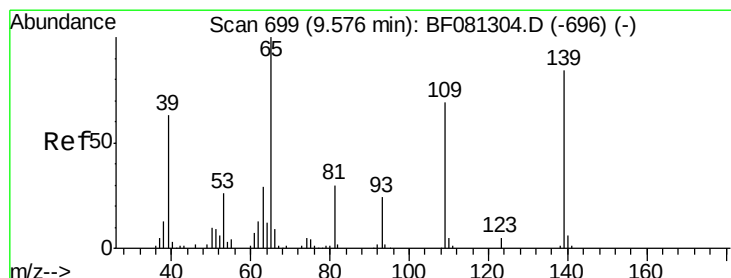
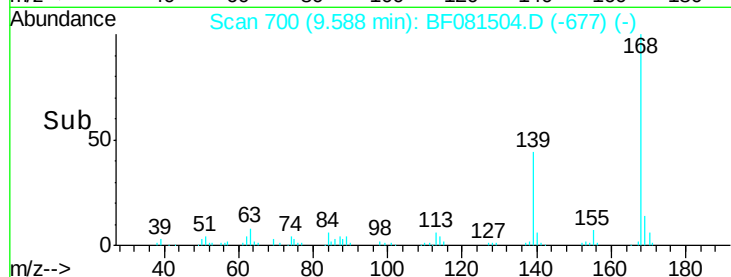
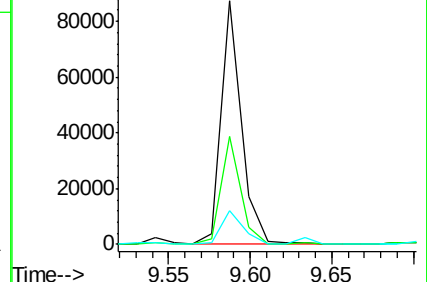
169 13.9 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 30.63 ng

RT: 9.59 min Scan# 700

Delta R.T. 0.01 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

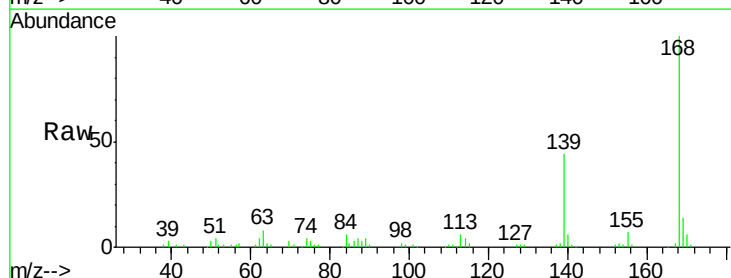
Tgt Ion:139 Resp: 32811

Ion Ratio Lower Upper

139 100

109 0.8 12.7 52.7#

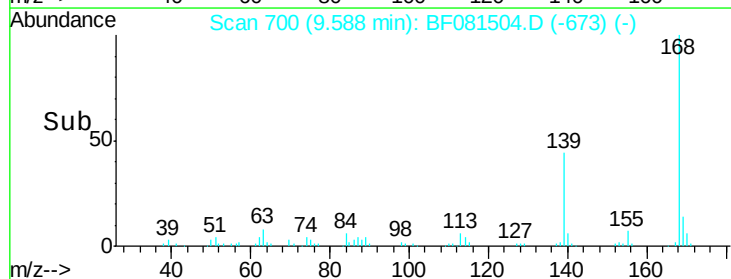
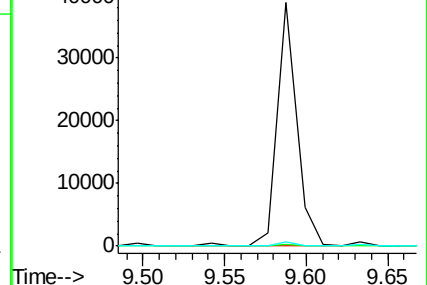
65 2.0 45.9 85.9#

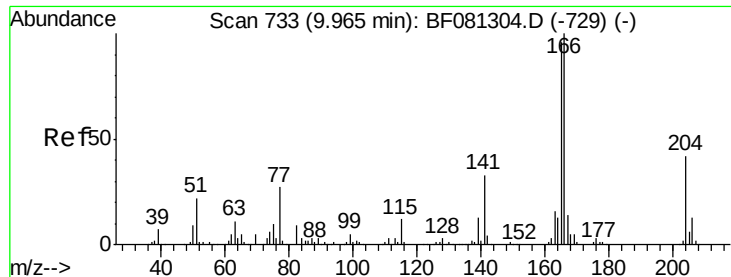


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 8.94 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.03 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampleId :

COMP-2

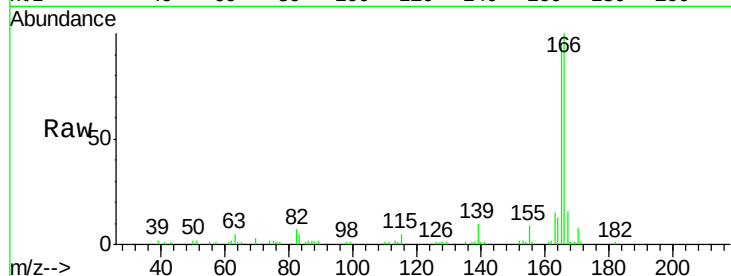
Tot Ion:166 Resp: 56395

Ion Ratio Lower Upper

166 100

165 94.5 72.6 109.0

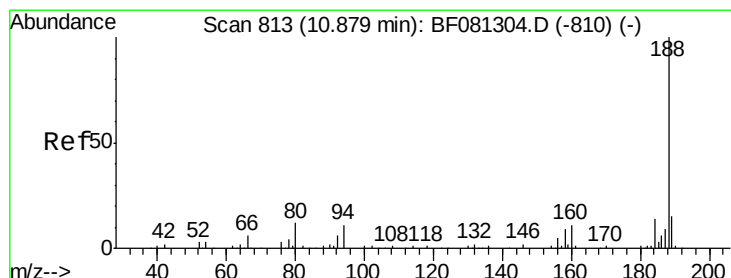
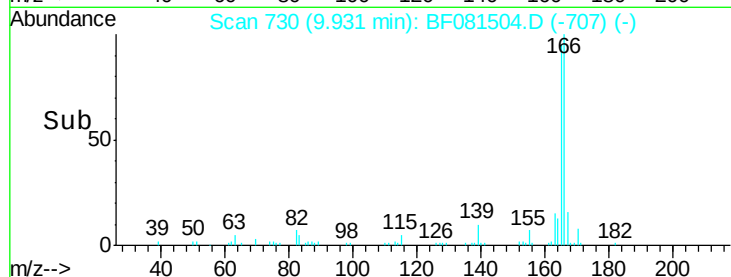
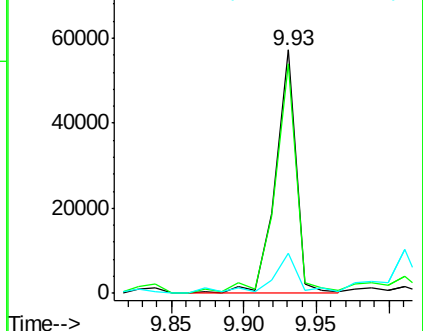
167 16.3 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.86 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

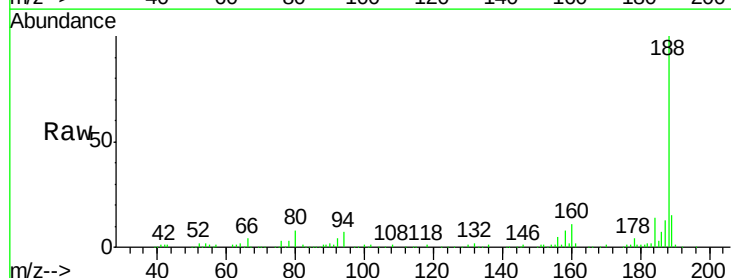
Tgt Ion:188 Resp: 162563

Ion Ratio Lower Upper

188 100

94 7.2 11.1 16.7#

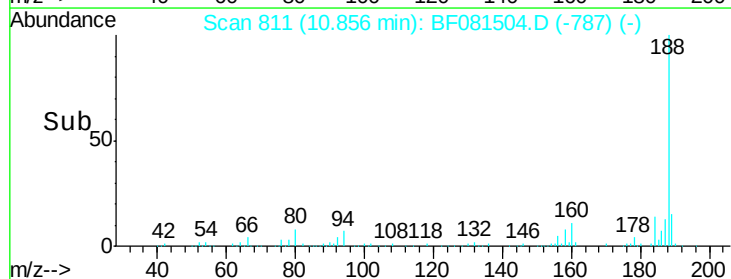
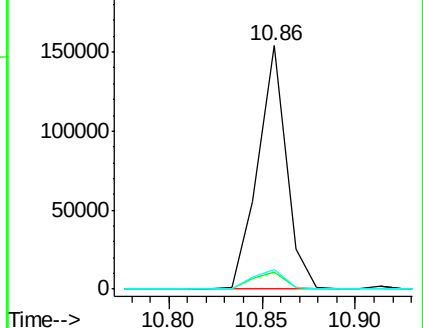
80 8.0 11.0 16.4#

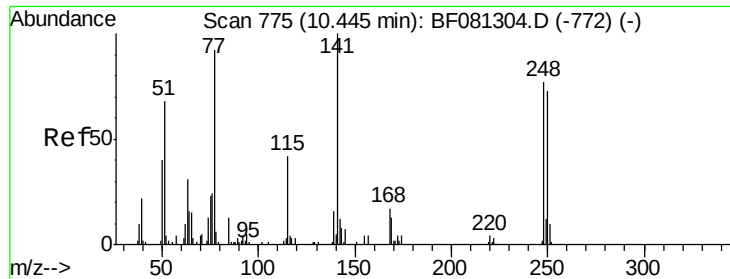


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

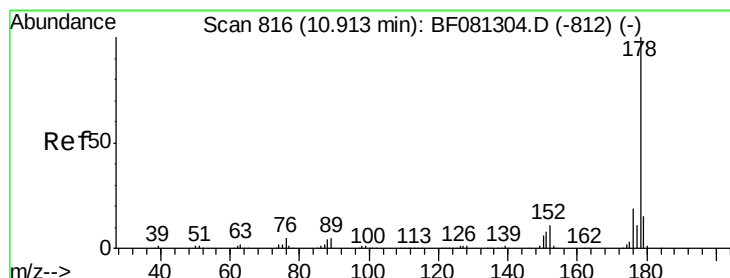
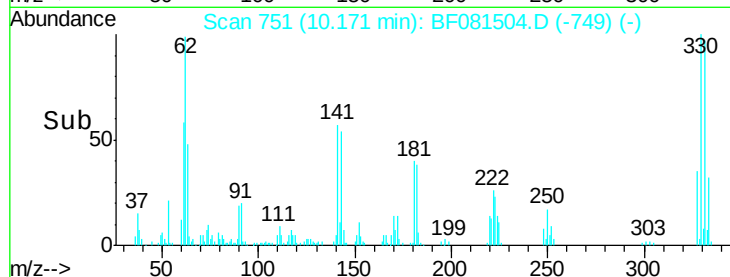
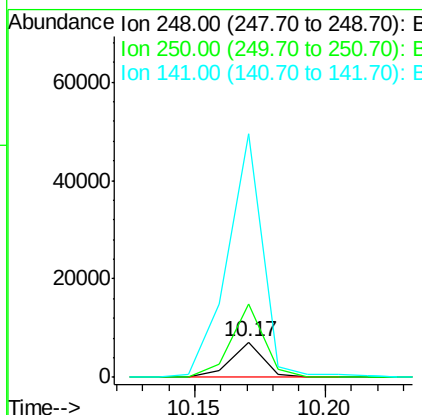
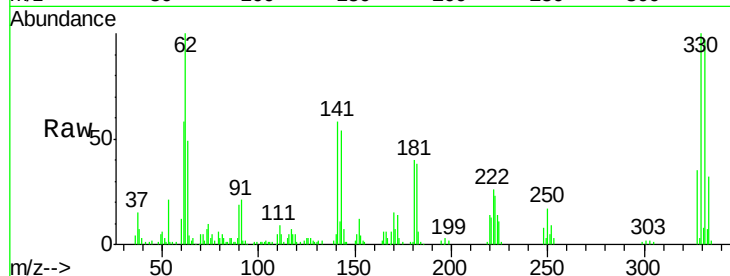




#66
4-Bromophenyl-phenylether
Concen: 3.92 ng
RT: 10.17 min Scan# 751
Delta R.T. -0.27 min
Lab File: BF081504.D
Acq: 6 Sep 2015 12:14

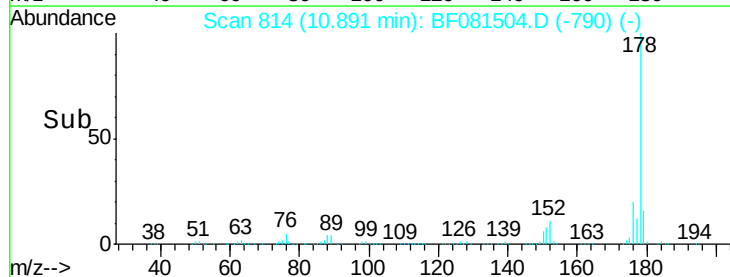
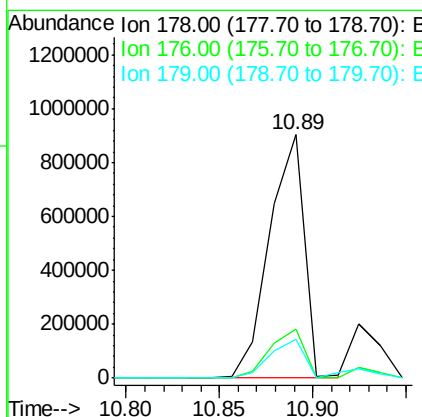
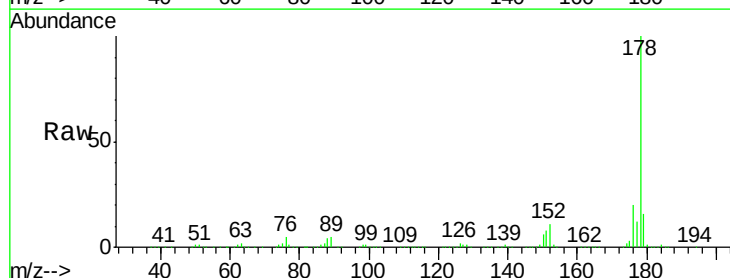
Instrument :
BNA_F
ClientSampleId :
COMP-2

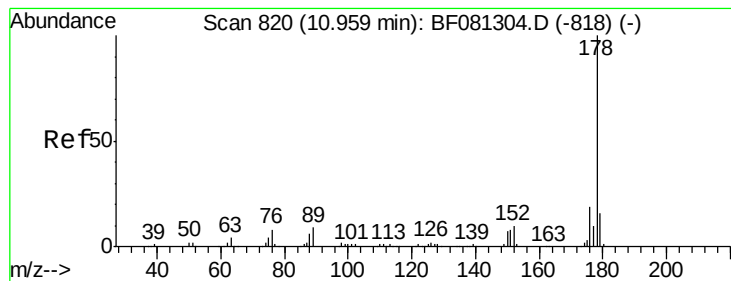
Tot Ion:248 Resp: 6449
Ion Ratio Lower Upper
248 100
250 207.3 78.5 117.7#
141 689.9 59.0 88.6#



#70
Phenanthrene
Concen: 129.62 ng
RT: 10.89 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF081504.D
Acq: 6 Sep 2015 12:14

Tgt Ion:178 Resp: 1171438
Ion Ratio Lower Upper
178 100
176 19.9 13.8 20.8
179 15.7 12.2 18.2





#71

Anthracene

Concen: 24.40 ng

RT: 10.92 min Scan# 817

Delta R.T. -0.03 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampleId :

COMP-2

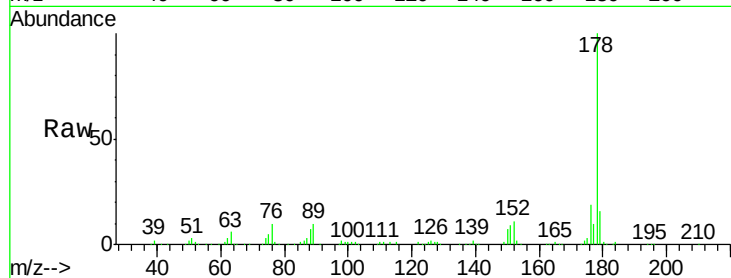
Tot Ion:178 Resp: 226541

Ion Ratio Lower Upper

178 100

176 18.8 14.1 21.1

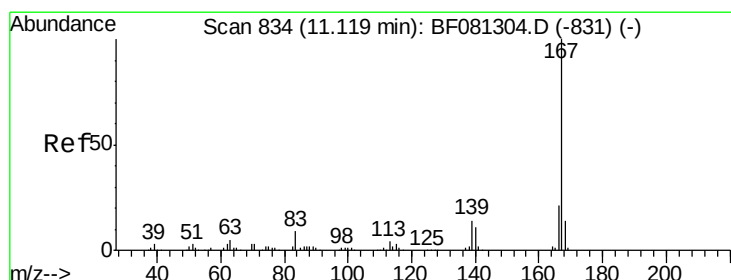
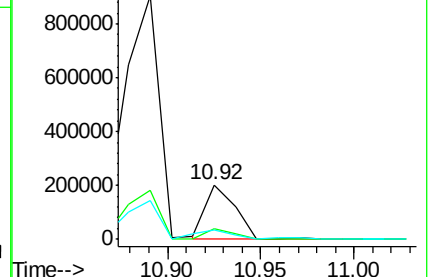
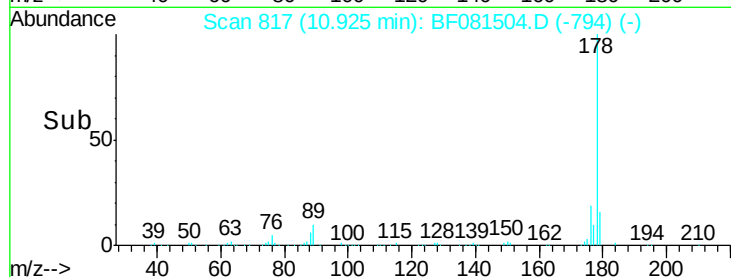
179 16.2 12.2 18.2



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



#72

Carbazole

Concen: 8.98 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

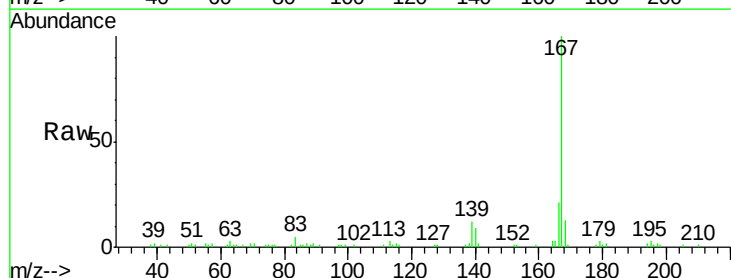
Tgt Ion:167 Resp: 78246

Ion Ratio Lower Upper

167 100

166 20.8 15.7 23.5

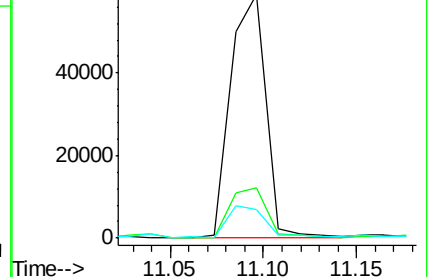
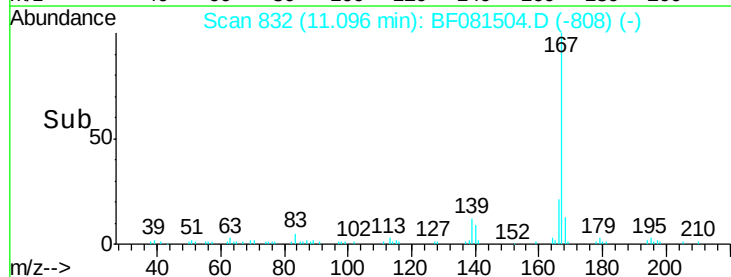
139 11.7 9.5 14.3

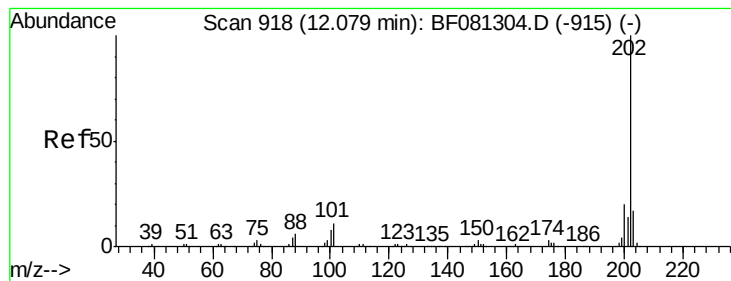


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

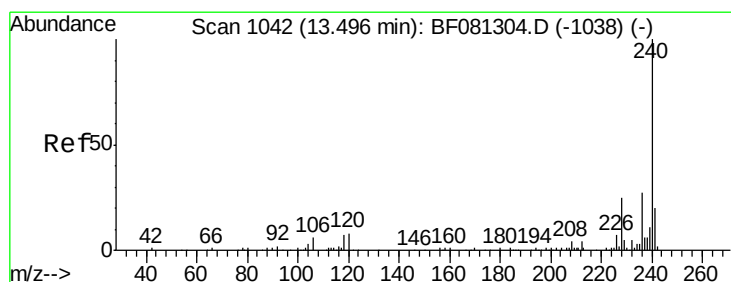
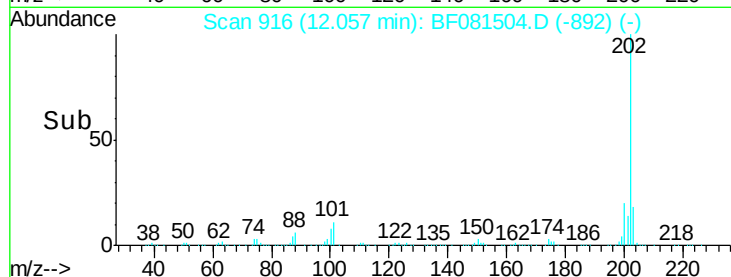
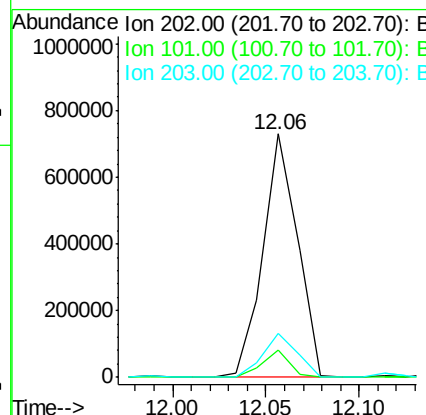
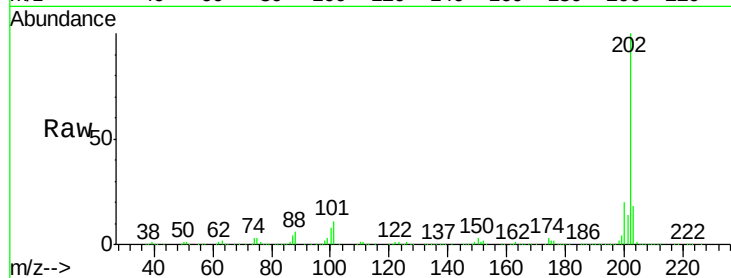




#74
 Fluoranthene
 Concen: 94.67 ng
 RT: 12.06 min Scan# 916
 Delta R.T. -0.02 min
 Lab File: BF081504.D
 Acq: 6 Sep 2015 12:14

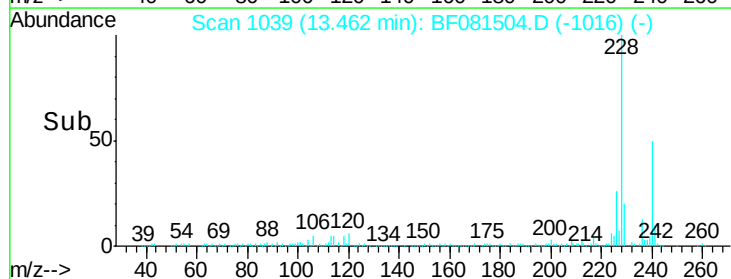
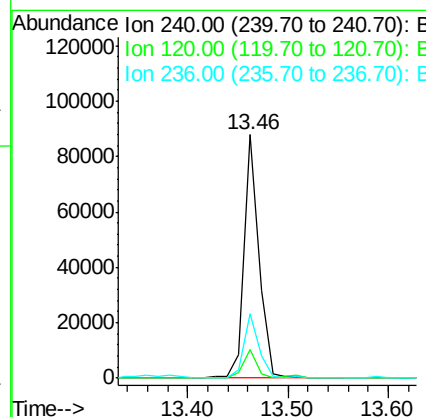
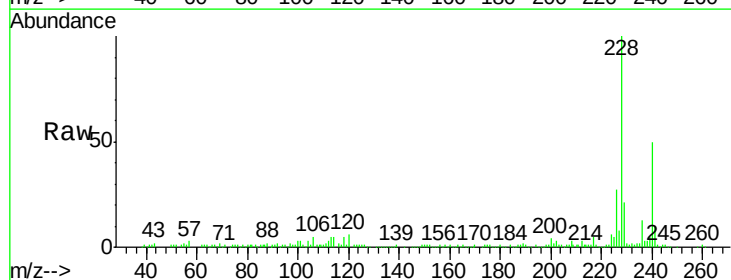
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

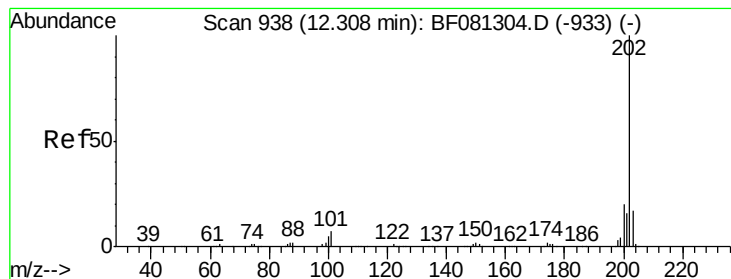
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	38.3
203	18.1	0.0	37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.46 min Scan# 1039
 Delta R.T. -0.03 min
 Lab File: BF081504.D
 Acq: 6 Sep 2015 12:14

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.7	16.2	24.2#
236	26.5	18.4	27.6





#77

Pvrene

Concen: 142.57 ng

RT: 12.29 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampled :

COMP-2

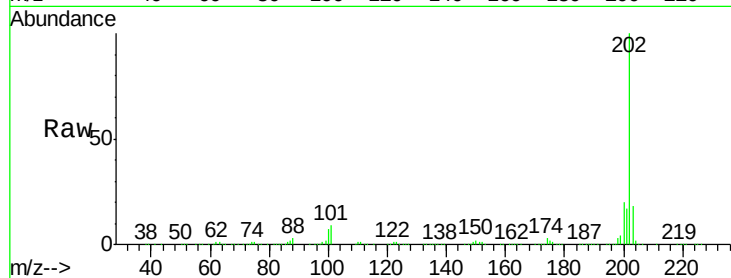
Tot Ion:202 Resp: 956357

Ion Ratio Lower Upper

202 100

200 20.3 15.0 22.4

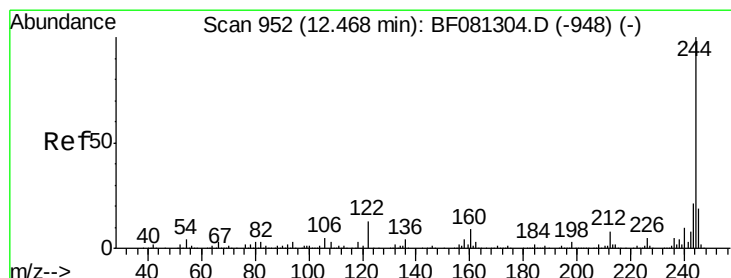
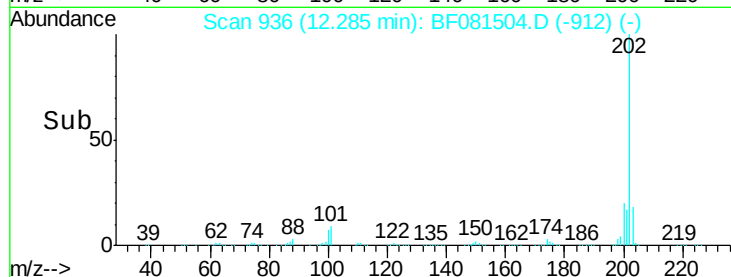
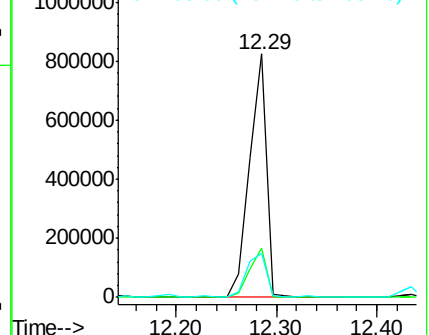
203 17.9 14.1 21.1



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: 76.11 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

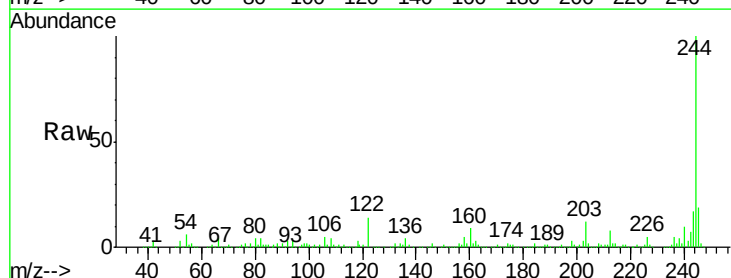
Tgt Ion:244 Resp: 296071

Ion Ratio Lower Upper

244 100

212 8.4 4.3 6.5#

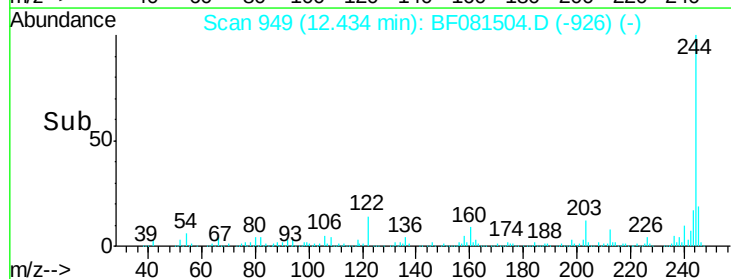
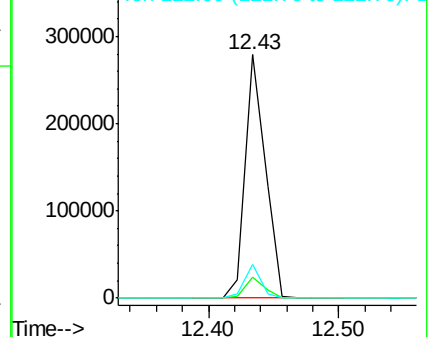
122 13.8 17.4 26.2#

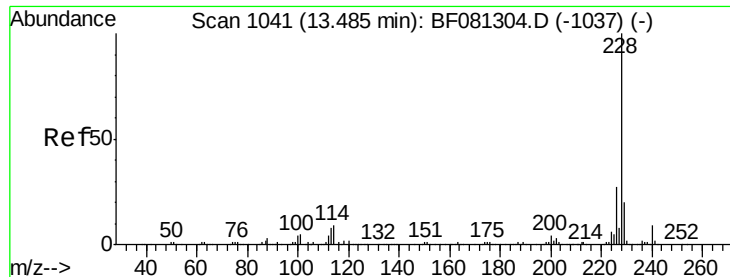


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 57.94 ng

RT: 13.45 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampleId :

COMP-2

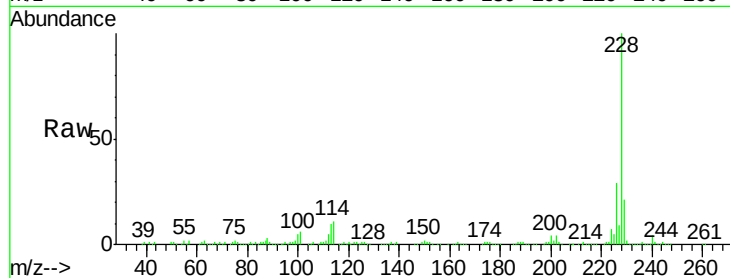
Tot Ion:228 Resp: 334164

Ion Ratio Lower Upper

228 100

226 29.3 20.0 30.0

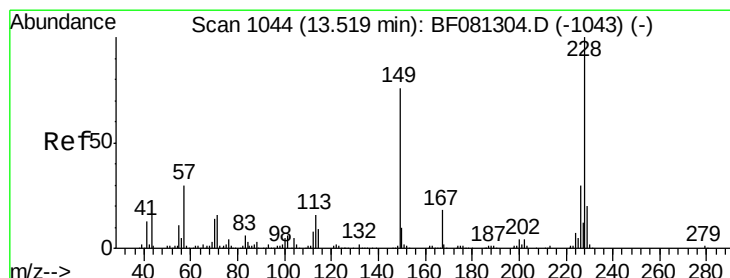
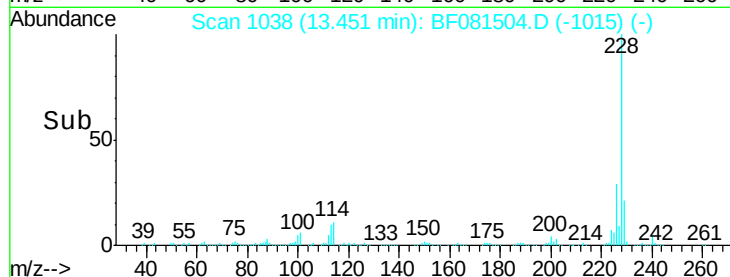
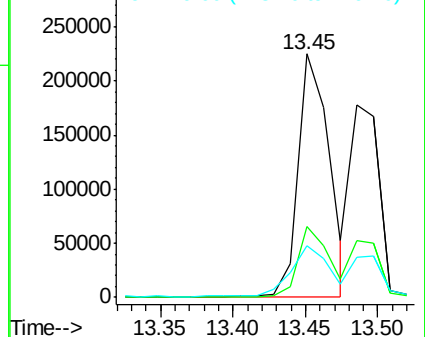
229 21.4 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 64.64 ng

RT: 13.45 min Scan# 1038

Delta R.T. -0.07 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

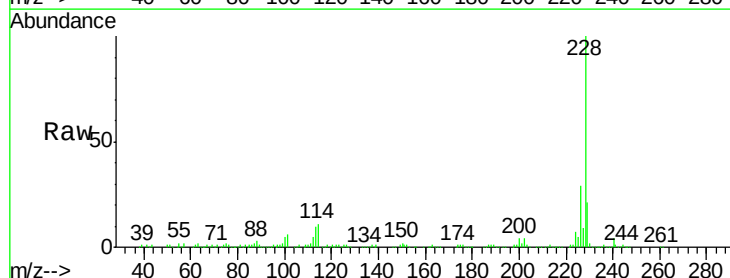
Tgt Ion:228 Resp: 334164

Ion Ratio Lower Upper

228 100

226 29.3 21.0 31.4

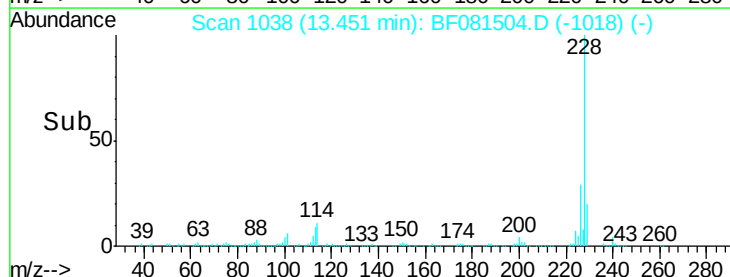
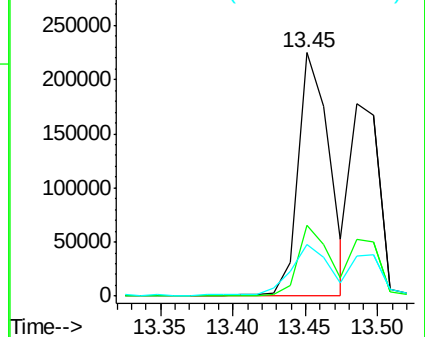
229 21.4 15.6 23.4

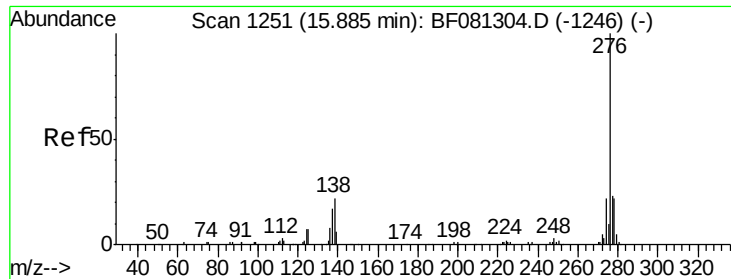


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 32.59 ng

RT: 15.85 min Scan# 1248

Delta R.T. -0.03 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampled :

COMP-2

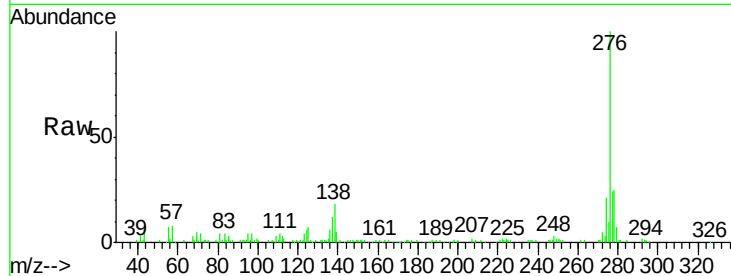
Tot Ion:276 Resp: 123626

Ion Ratio Lower Upper

276 100

138 20.0 25.7 38.5#

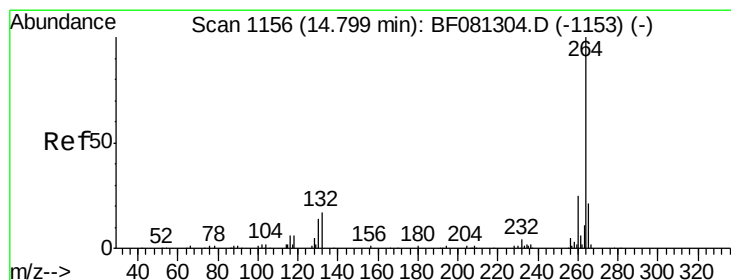
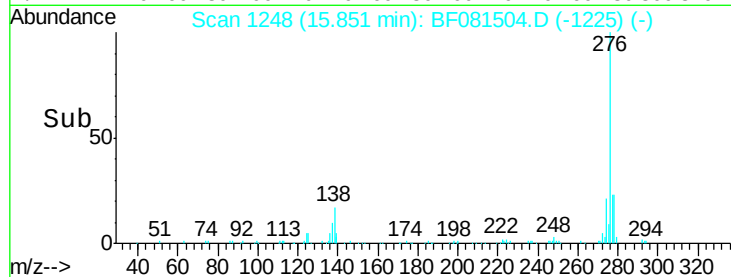
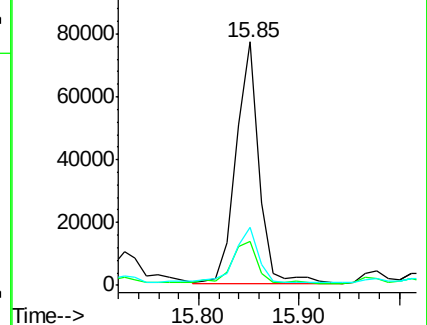
277 26.7 15.6 23.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.78 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

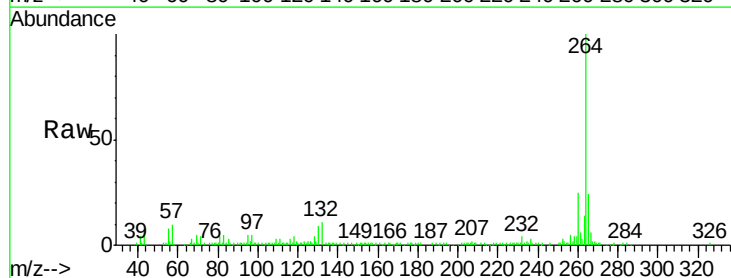
Tgt Ion:264 Resp: 90793

Ion Ratio Lower Upper

264 100

260 24.6 16.7 25.1

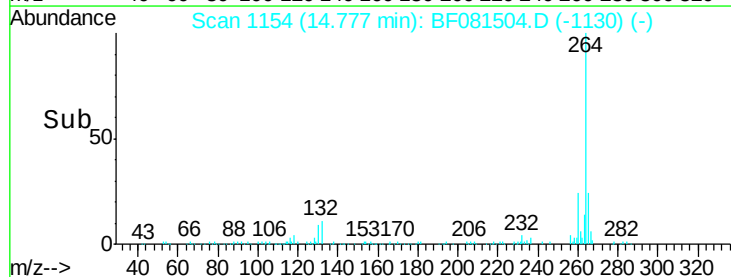
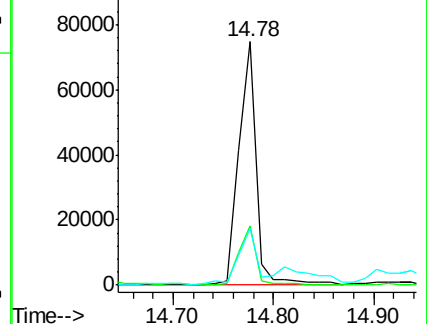
265 23.6 17.2 25.8

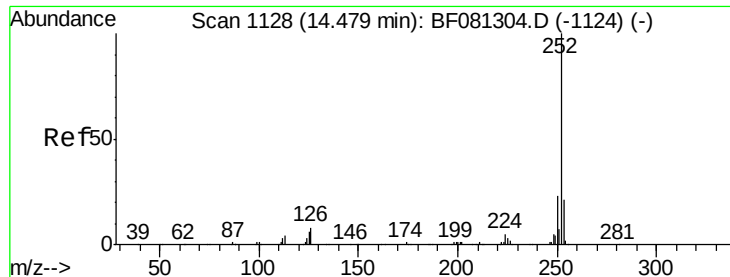


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 57.63 ng

RT: 14.45 min Scan# 1125

Delta R.T. -0.03 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampleId :

COMP-2

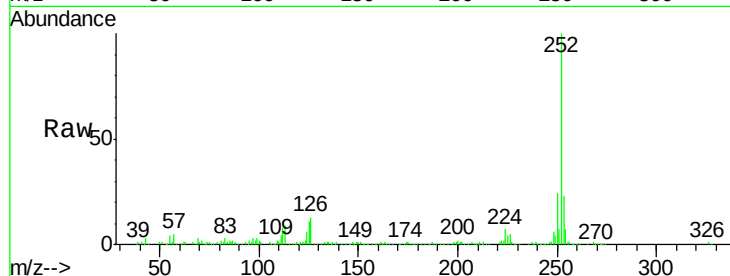
Tot Ion:252 Resp: 373539

Ion Ratio Lower Upper

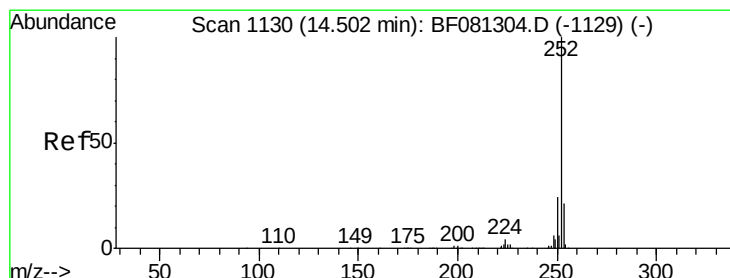
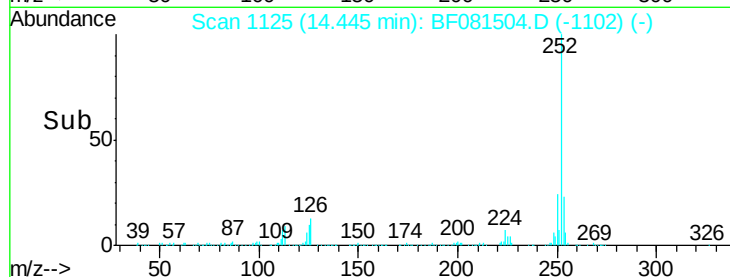
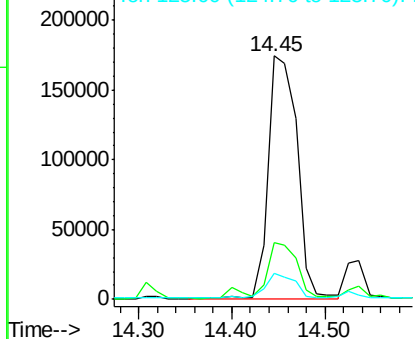
252 100

253 23.1 17.5 26.3

125 10.8 17.1 25.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 69.45 ng

RT: 14.45 min Scan# 1125

Delta R.T. -0.06 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

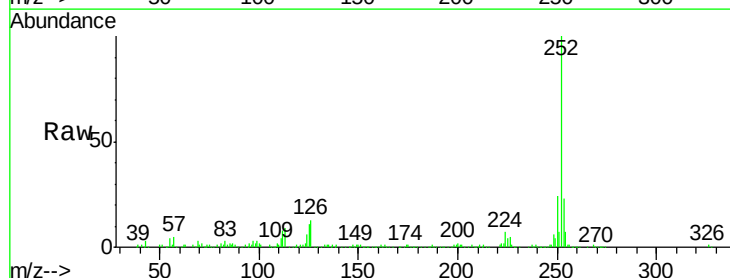
Tgt Ion:252 Resp: 373539

Ion Ratio Lower Upper

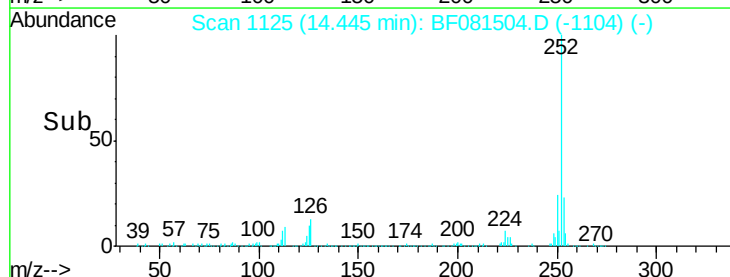
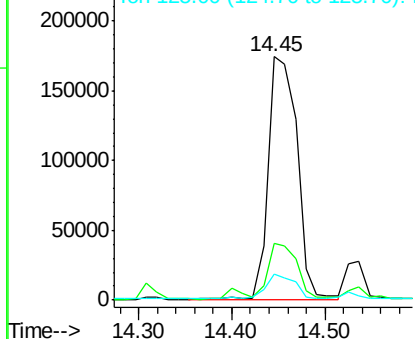
252 100

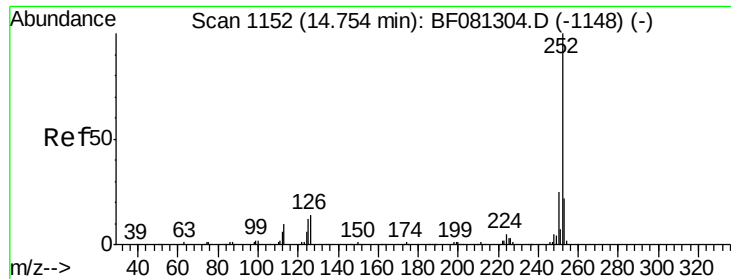
253 23.1 17.0 25.4

125 10.8 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 41.22 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

Instrument :

BNA_F

ClientSampleId :

COMP-2

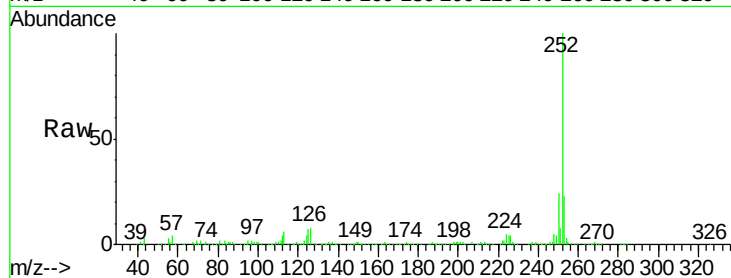
Tot Ion:252 Resp: 226385

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

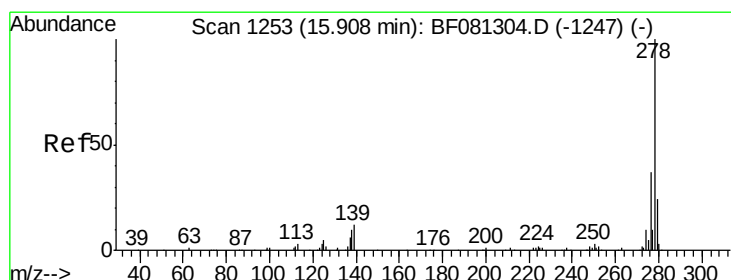
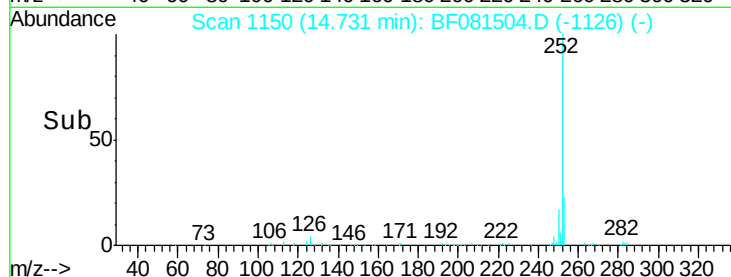
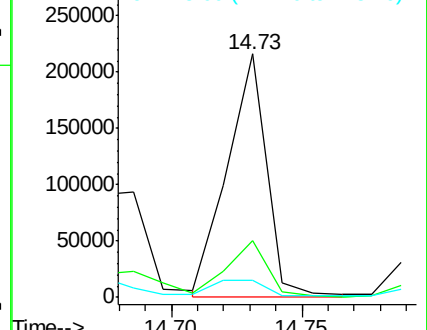
125 7.1 18.0 27.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.34 ng

RT: 15.91 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BF081504.D

Acq: 6 Sep 2015 12:14

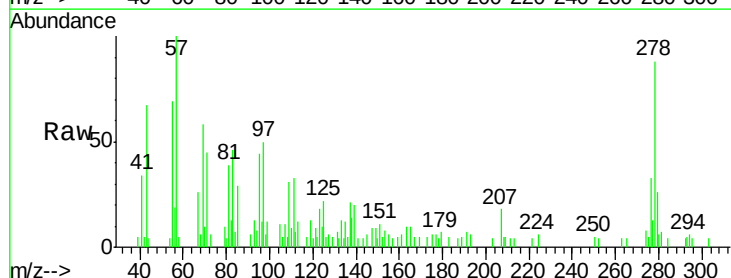
Tgt Ion:278 Resp: 9948

Ion Ratio Lower Upper

278 100

139 22.3 26.3 39.5#

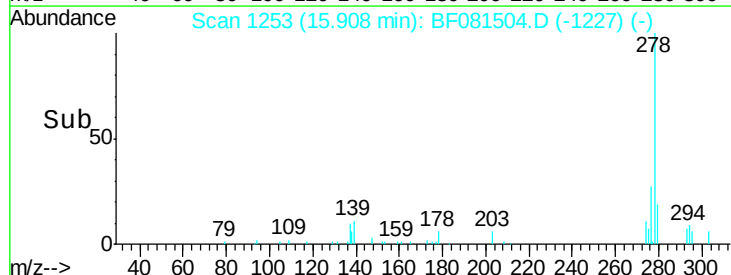
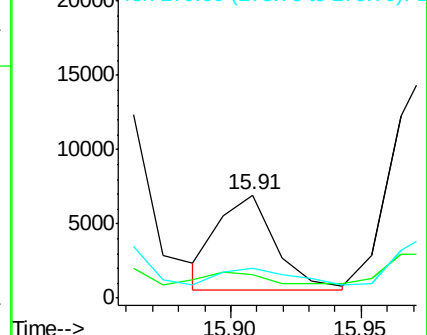
279 29.1 18.2 27.4#

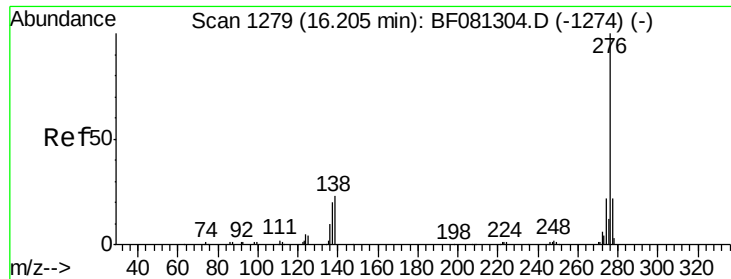


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 26.54 ng
 RT: 16.17 min Scan# 1276
 Delta R.T. -0.03 min
 Lab File: BF081504.D
 Acq: 6 Sep 2015 12:14

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.8	26.6
138	16.9	34.6	51.8

