

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\
 Data File : BF081551.D
 Acq On : 9 Sep 2015 7:46
 Operator : UM/IZ
 Sample : G3519-02RE 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 09 08:46:57 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 15:49:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	48162	20.00	ng	0.01
21) Naphthalene-d8	7.64	136	190688	20.00	ng	0.00
38) Acenaphthene-d10	9.38	164	87325	20.00	ng	0.00
63) Phenanthrene-d10	10.86	188	121989	20.00	ng	0.01
75) Chrysene-d12	13.47	240	105824	20.00	ng	0.02
86) Perylene-d12	14.78	264	67658	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	56053	18.06	ng	0.01
7) Phenol-d6	6.02	99	66657	16.22	ng	0.00
23) Nitrobenzene-d5	7.14	82	3574	0.90	ng	0.22
41) 2,4,6-Tribromophenol	10.17	330	8368	10.76	ng	0.01
44) 2-Fluorobiphenyl	8.72	172	49307	7.24	ng	0.00
78) Terphenyl-d14	12.43	244	30412	6.69	ng	0.01

Target Compounds						Qvalue
3) Pyridine	2.18	79	345868	89.97	ng	# 23
9) Benzaldehyde	5.88	77	16127	6.26	ng	# 3
10) Phenol	6.04	94	67597	14.19	ng	# 32
11) bis(2-Chloroethyl)ether	5.92	93	13964	4.06	ng	# 85
12) 1,3-Dichlorobenzene	6.28	146	36423	9.97	ng	# 89
13) 1,4-Dichlorobenzene	6.36	146	55092	14.80	ng	# 88
15) Benzyl Alcohol	6.54	79	44333	13.15	ng	# 40
17) 2-Methylphenol	6.65	107	28328	10.38	ng	# 60
18) Hexachloroethane	6.83	117	27050	18.68	ng	# 25
19) n-Nitroso-di-n-propylamine	6.84	70	10971	3.92	ng	# 51
20) 3+4-Methylphenols	6.82	107	59963	16.29	ng	# 70
22) Acetophenone	6.79	105	98289	18.87	ng	# 75
24) Nitrobenzene	6.91	77	25495	6.21	ng	# 1
26) 2-Nitrophenol	7.23	139	4884	2.73	ng	# 1
27) 2,4-Dimethylphenol	7.36	122	14229	4.61	ng	# 75
31) Naphthalene	7.67	128	58931	5.79	ng	# 83
32) Benzoic acid	7.46	122	13512	8.34	ng	# 1
33) 4-Chloroaniline	7.70	127	8571	2.07	ng	# 1
35) Caprolactam	8.11	113	7253	8.83	ng	# 41
37) 2-Methylnaphthalene	8.35	142	28887	4.36	ng	# 26
48) Acenaphthylene	9.24	152	159601	15.51	ng	# 95
49) Dimethylphthalate	9.13	163	14583	2.15	ng	# 66
53) 2,4-Dinitrophenol	9.43	184	1488	2.29	ng	# 1
65) n-Nitrosodiphenylamine	10.06	169	11973	2.70	ng	# 61
70) Phenanthrene	10.88	178	136848	20.18	ng	# 95
71) Anthracene	10.88	178	136848	19.64	ng	# 95
74) Fluoranthene	12.07	202	231100	31.48	ng	# 84
77) Pyrene	12.29	202	604463	77.11	ng	# 98
80) Benzo(a)anthracene	13.46	228	316297	46.93	ng	# 93
82) Chrysene	13.46	228	316297	52.36	ng	# 95
85) Indeno(1,2,3-cd)pyrene	15.85	276	69276	15.63	ng	# 79
87) Benzo(b)fluoranthene	14.46	252	257107	53.23	ng	# 88
88) Benzo(k)fluoranthene	14.46	252	257107	64.15	ng	# 89
89) Benzo(a)pyrene	14.80	252	30675	7.49	ng	# 92

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 08 15:49:53 2015
Response via : Initial Calibration

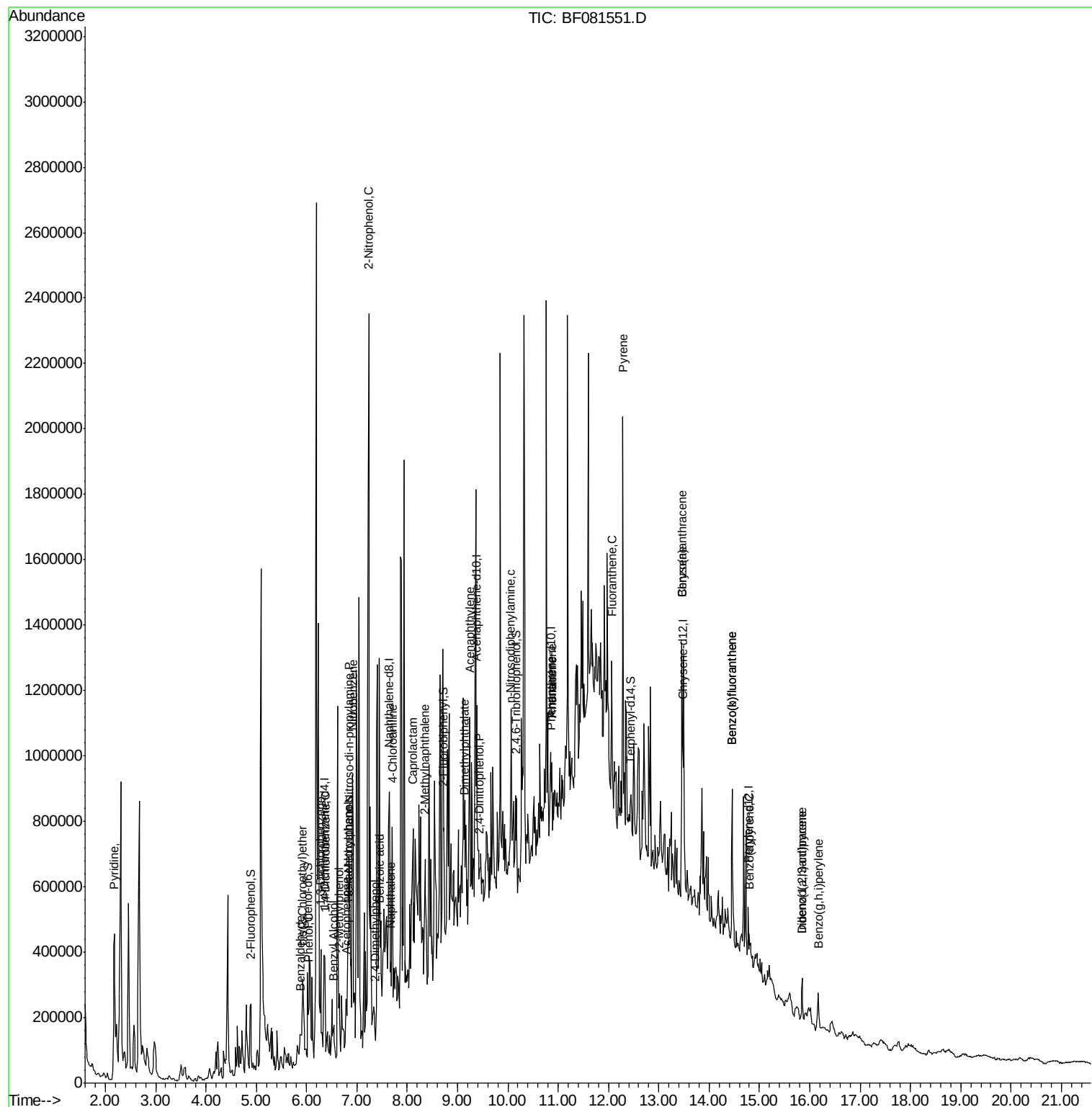
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	15.85	278	25390	8.03	ng	# 85
91) Benzo(g,h,i)perylene	16.17	276	81092	26.86	ng	# 71

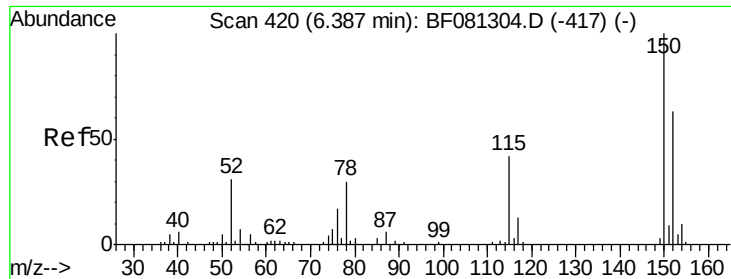
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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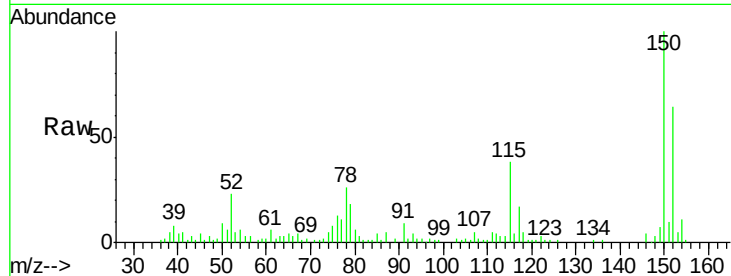


#1

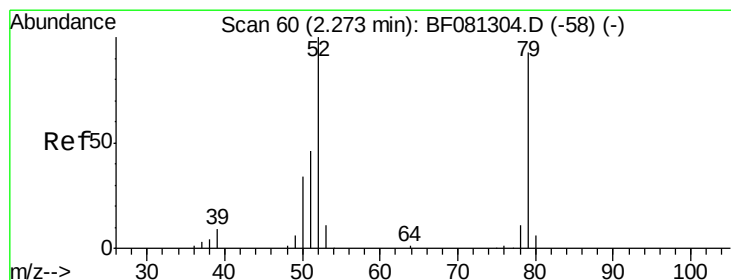
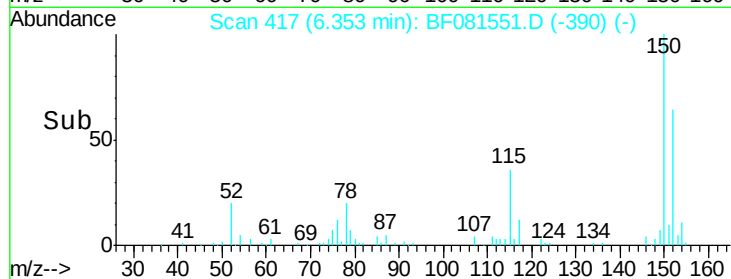
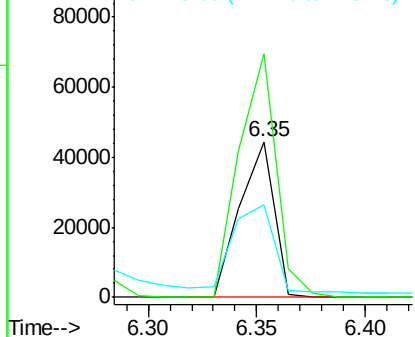
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.35 min Scan# 417
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 48162
Ion Ratio Lower Upper
152 100
150 156.7 124.7 187.1
115 59.8 39.0 58.4#



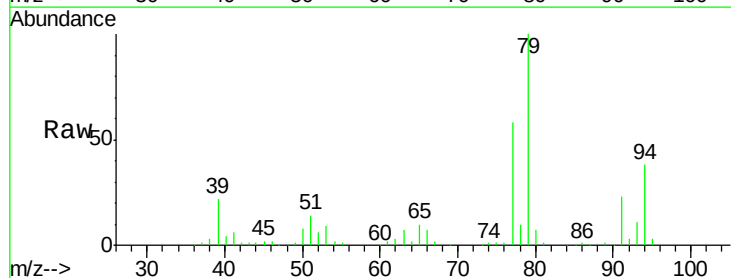
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



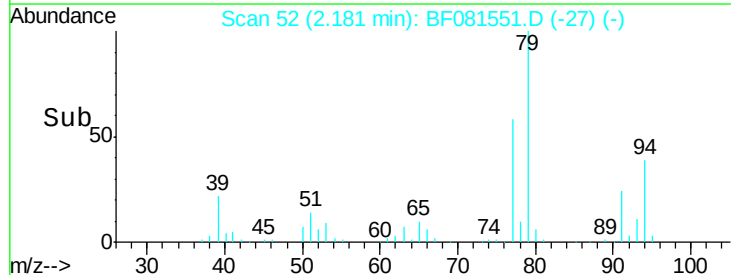
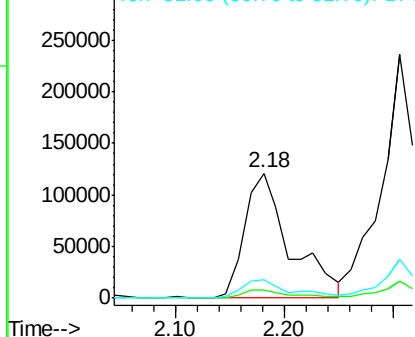
#3

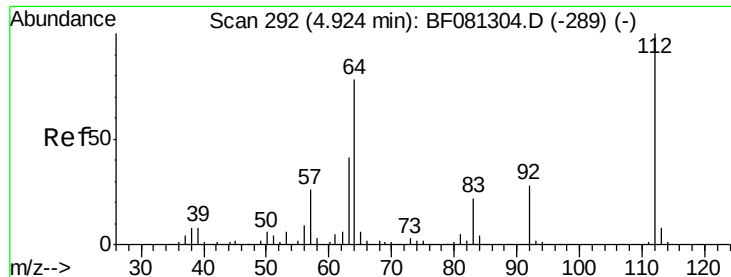
Pyridine
Concen: 89.97 ng
RT: 2.18 min Scan# 52
Delta R.T. -0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion: 79 Resp: 345868
Ion Ratio Lower Upper
79 100
52 6.5 76.8 115.2#
51 14.4 32.2 48.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 18.06 ng

RT: 4.89 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF081551.D

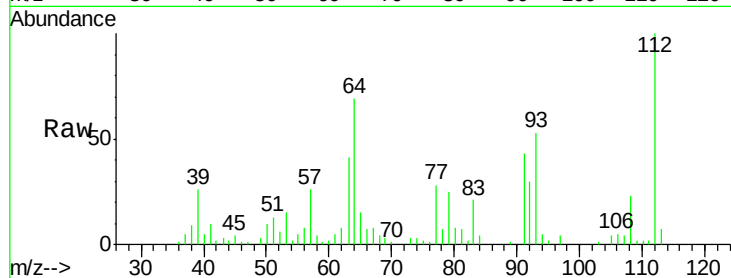
Acq: 9 Sep 2015 7:46

Instrument :

BNA_F

ClientSampleId :

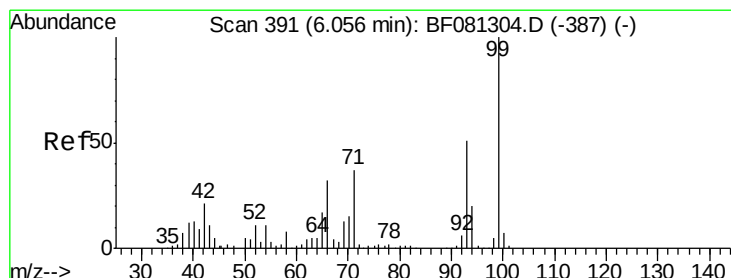
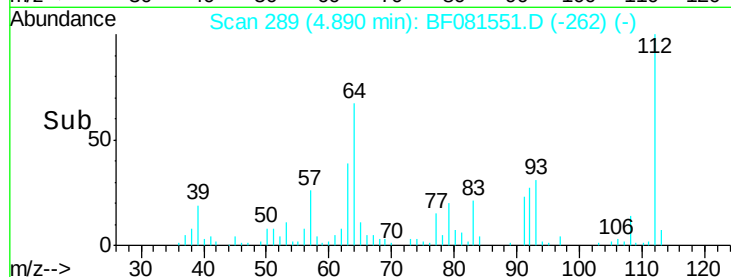
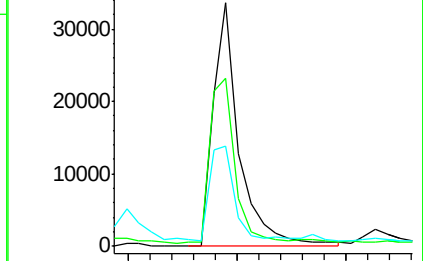
Tot Ion:	112	Resp:	56053
Ion	Ratio	Lower	Upper
112	100		
64	69.3	39.7	59.5#
63	41.2	17.4	26.0#



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: 16.22 ng

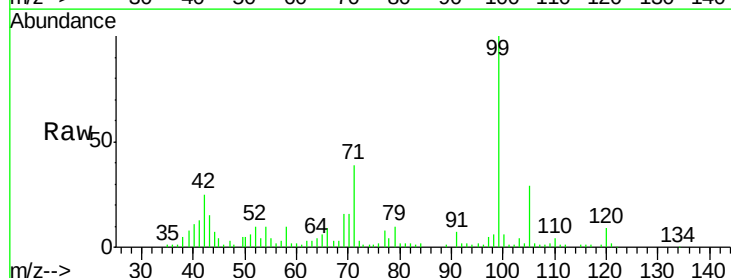
RT: 6.02 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

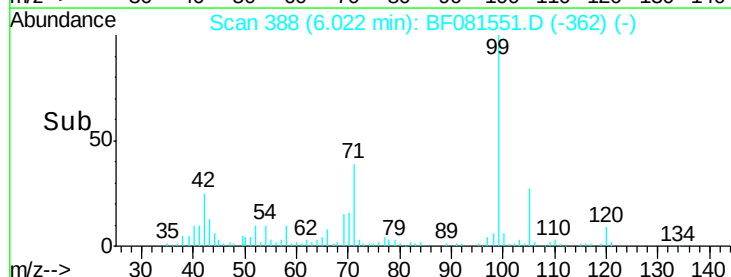
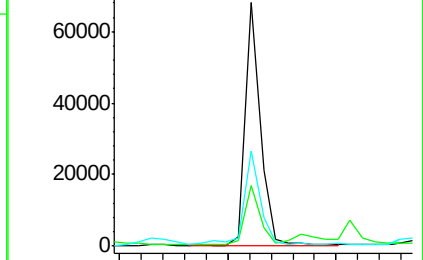
Tgt Ion:	99	Resp:	66657
Ion	Ratio	Lower	Upper
99	100		
42	25.1	13.7	20.5#
71	39.3	14.2	21.2#

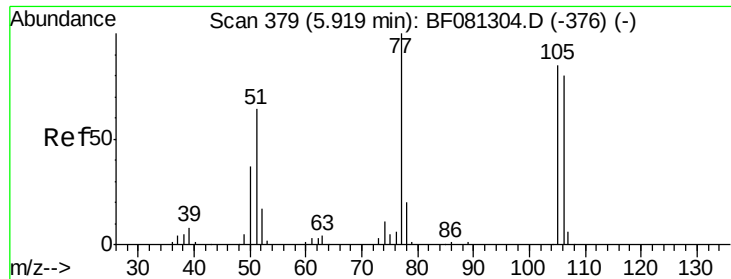


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

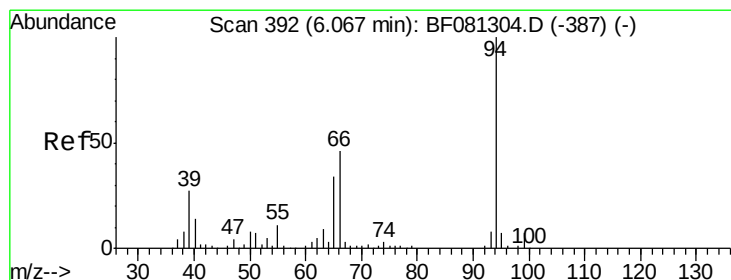
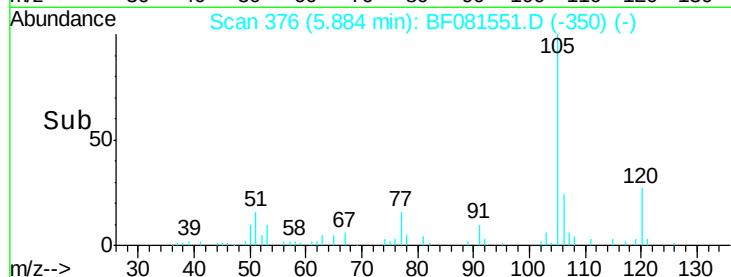
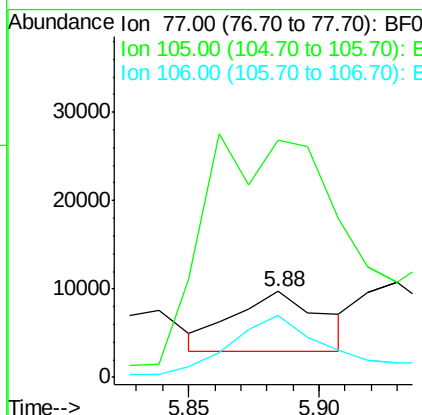
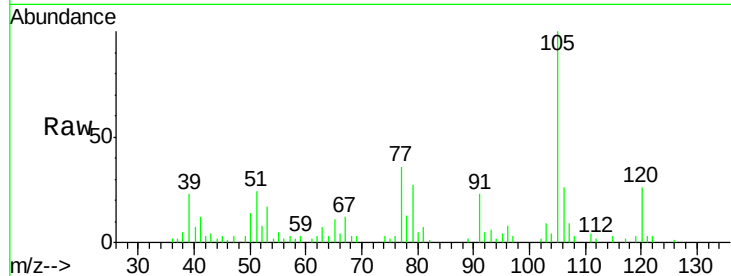




#9
Benzaldehyde
Concen: 6.26 ng
RT: 5.88 min Scan# 376
Delta R.T. 0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

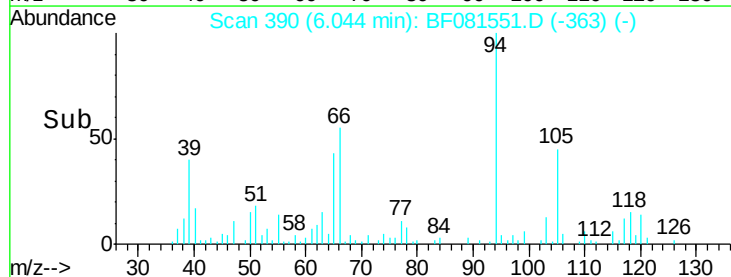
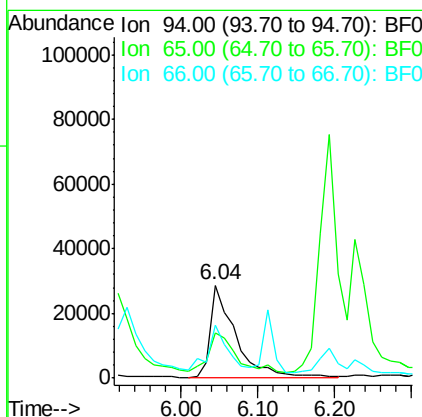
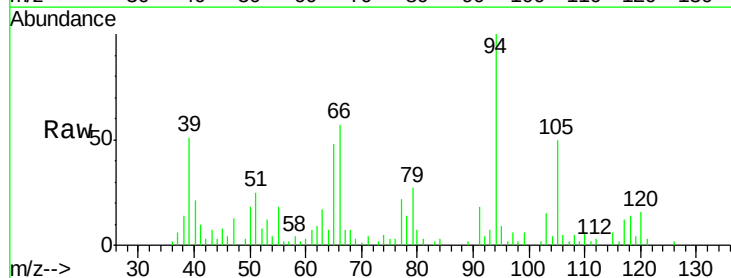
Instrument :
BNA_F
ClientSampleId :

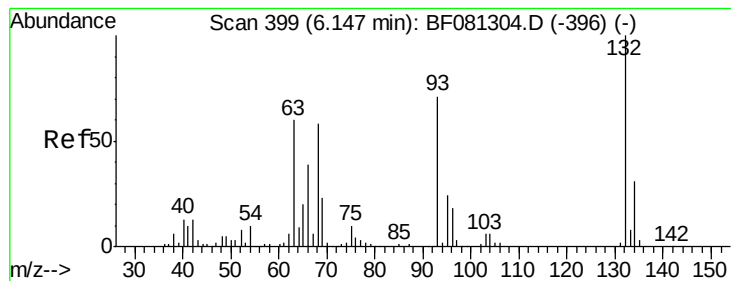
Tot Ion: 77 Resp: 16127
Ion Ratio Lower Upper
77 100
105 276.0 91.6 131.6#
106 72.0 102.6 142.6#



#10
Phenol
Concen: 14.19 ng
RT: 6.04 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion: 94 Resp: 67597
Ion Ratio Lower Upper
94 100
65 48.1 0.7 40.7#
66 57.2 0.8 40.8#

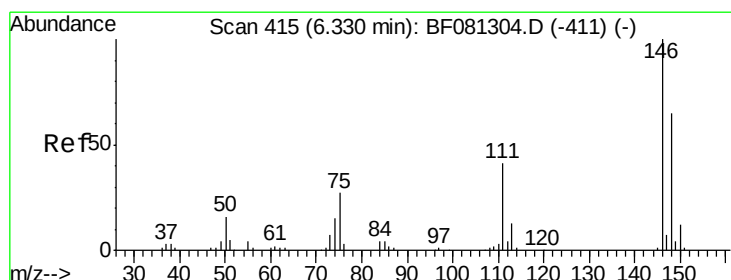
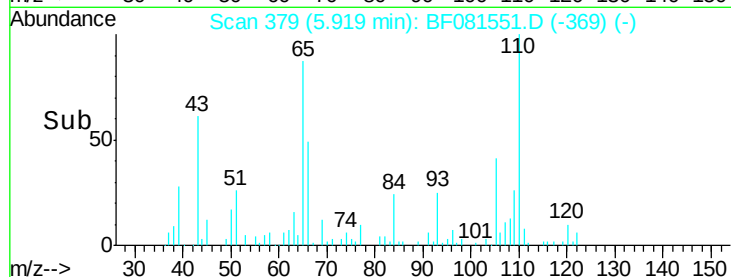
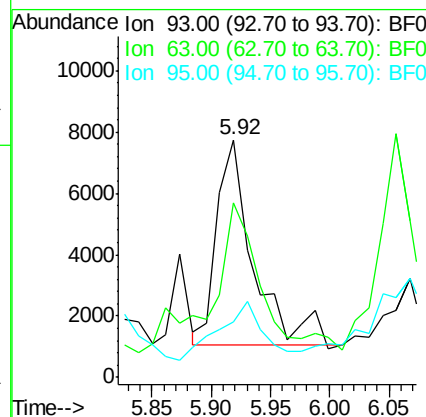
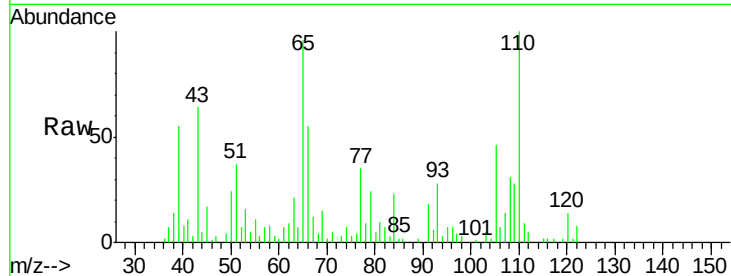




#11
bis(2-Chloroethyl)ether
Concen: 4.06 ng
RT: 5.92 min Scan# 379
Delta R.T. -0.18 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

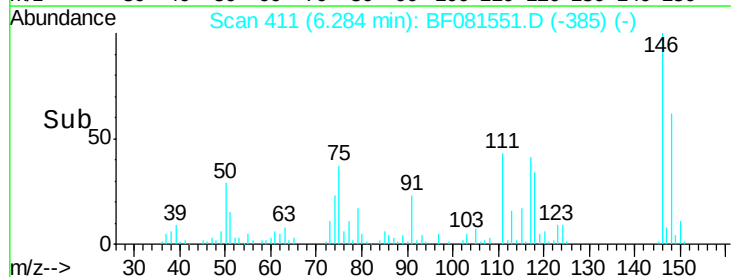
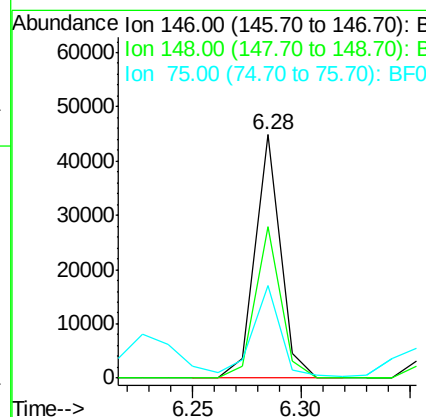
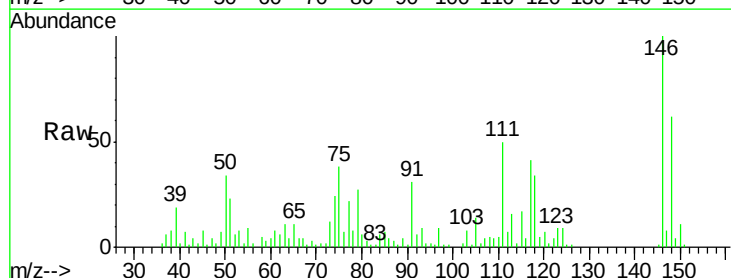
Instrument :
BNA_F
ClientSampleId :

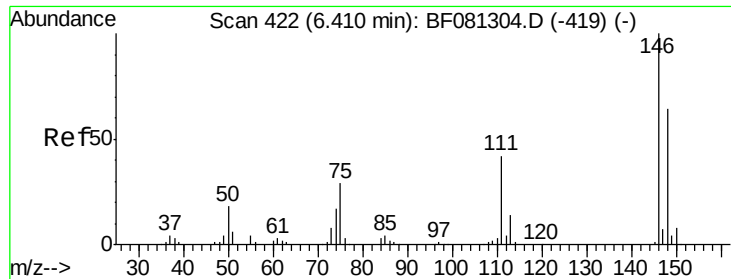
Tot Ion: 93 Resp: 13964
Ion Ratio Lower Upper
93 100
63 73.5 65.6 105.6
95 23.2 13.6 53.6



#12
1,3-Dichlorobenzene
Concen: 9.97 ng
RT: 6.28 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion: 146 Resp: 36423
Ion Ratio Lower Upper
146 100
148 62.1 51.0 76.4
75 38.1 15.0 22.6#

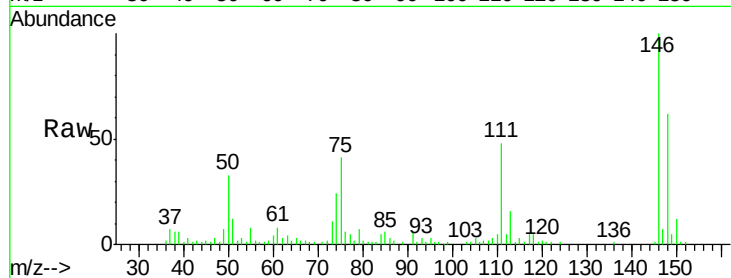




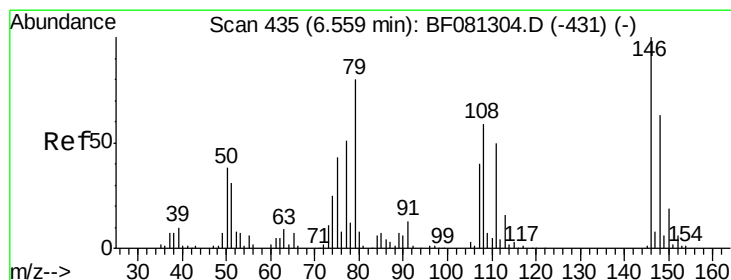
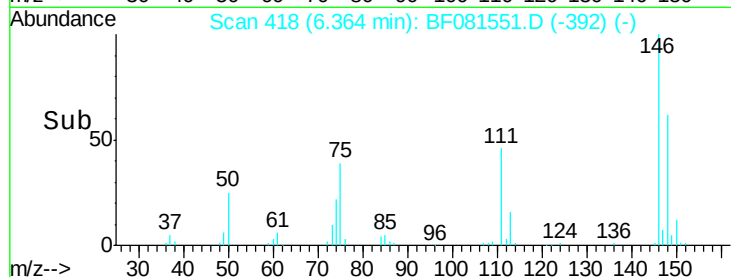
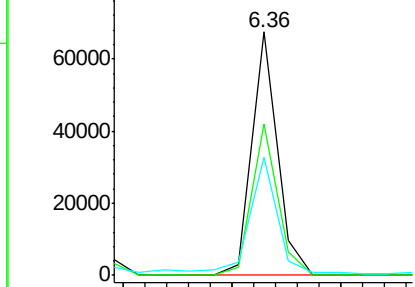
#13
 1,4-Dichlorobenzene
 Concen: 14.80 ng
 RT: 6.36 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: BF081551.D
 Acq: 9 Sep 2015 7:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 55092
 Ion Ratio Lower Upper
 146 100
 148 62.1 51.8 77.6
 111 48.4 24.9 37.3#

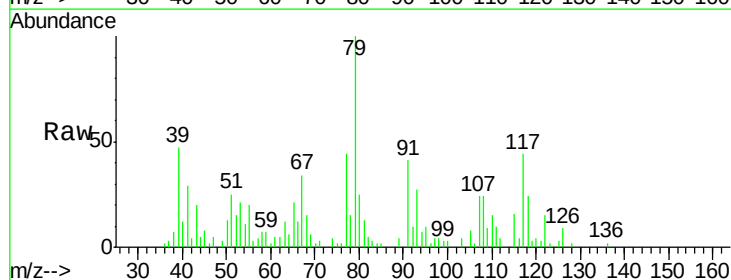


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

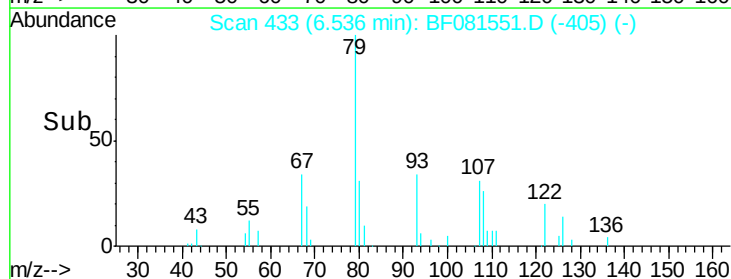
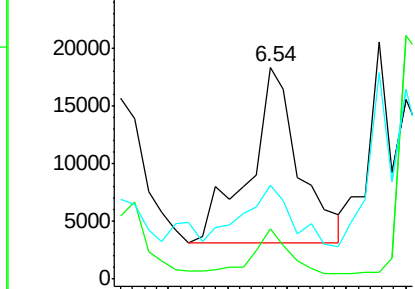


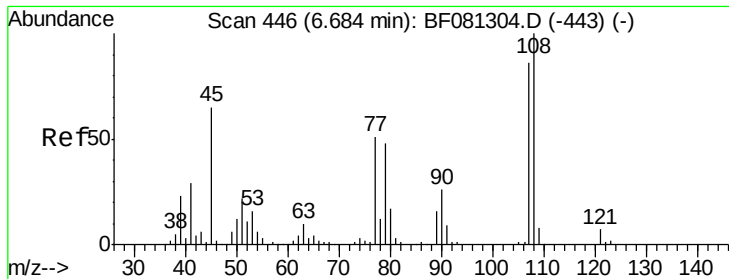
#15
 Benzyl Alcohol
 Concen: 13.15 ng
 RT: 6.54 min Scan# 433
 Delta R.T. 0.02 min
 Lab File: BF081551.D
 Acq: 9 Sep 2015 7:46

Tgt Ion: 79 Resp: 44333
 Ion Ratio Lower Upper
 79 100
 108 23.6 88.6 132.8#
 77 44.3 47.0 70.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0





#17

2-Methylphenol

Concen: 10.38 ng

RT: 6.65 min Scan# 443

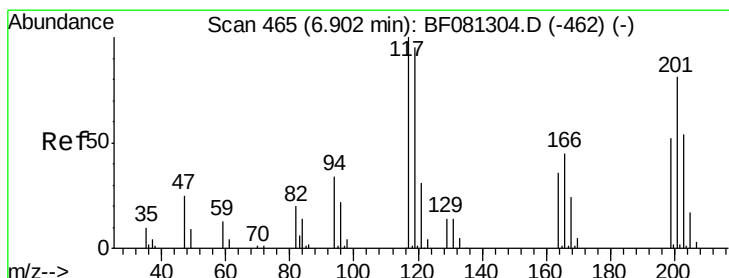
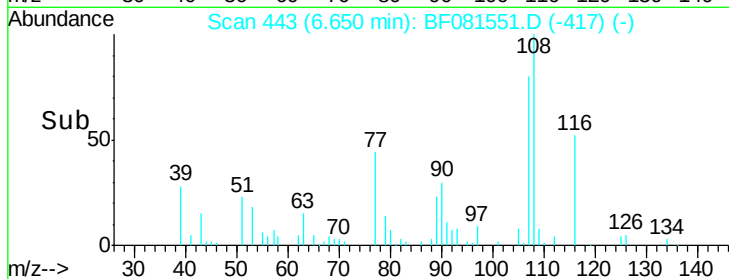
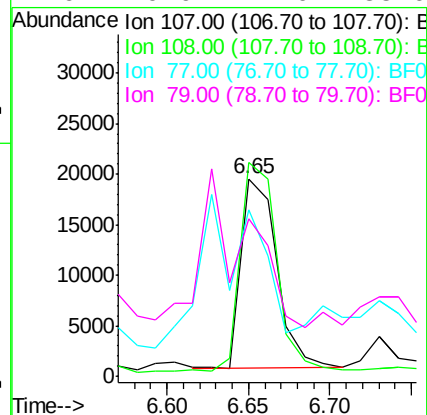
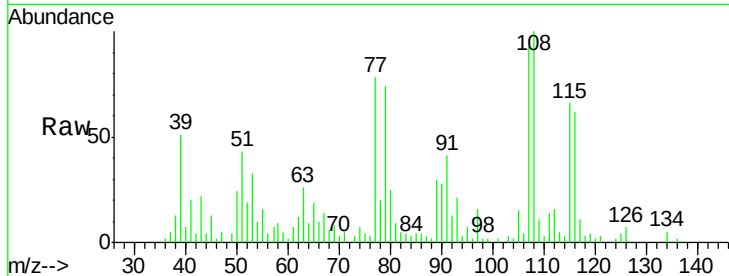
Delta R.T. -0.00 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	28328
Ion	Ratio	Lower	Upper
107	100		
108	108.0	96.6	145.0
77	84.2	23.3	34.9#
79	79.9	22.0	33.0#



#18

Hexachloroethane

Concen: 18.68 ng

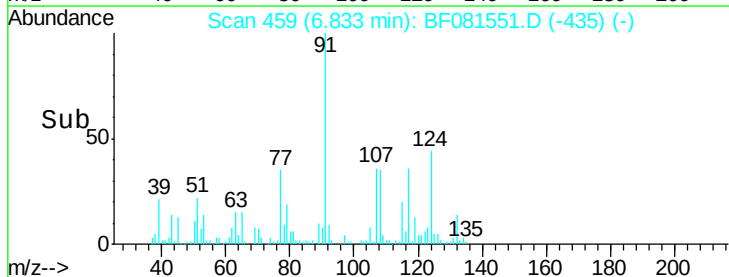
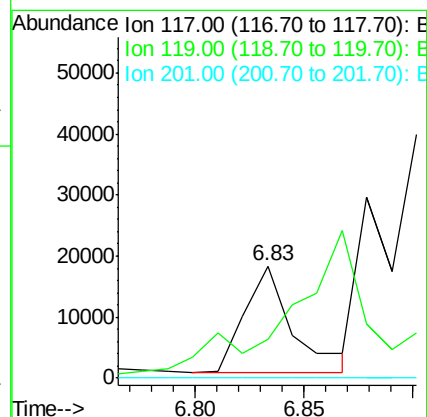
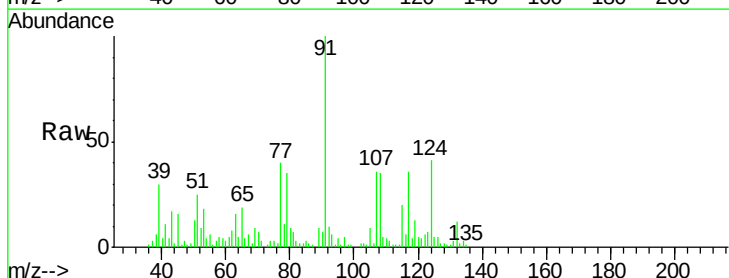
RT: 6.83 min Scan# 459

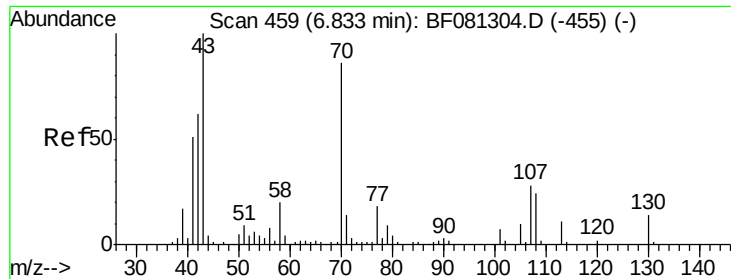
Delta R.T. -0.02 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Tgt Ion:	117	Resp:	27050
Ion	Ratio	Lower	Upper
117	100		
119	35.0	83.8	125.6#
201	0.0	55.1	82.7#

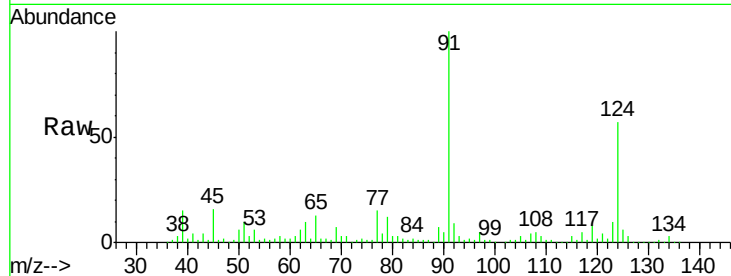




#19
n-Nitroso-di-n-propylamine
Concen: 3.92 ng
RT: 6.84 min Scan# 460
Delta R.T. 0.05 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
70	100		
42	29.3	63.8	95.6#
101	0.0	9.2	13.8#
130	12.3	27.3	40.9#



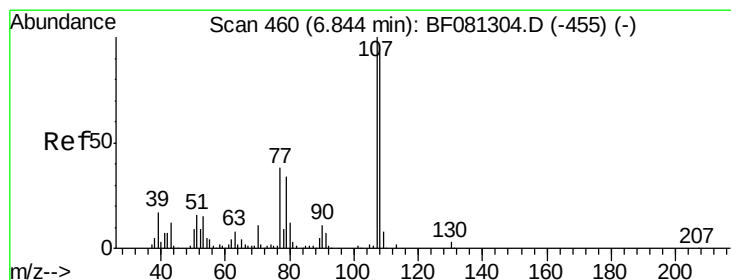
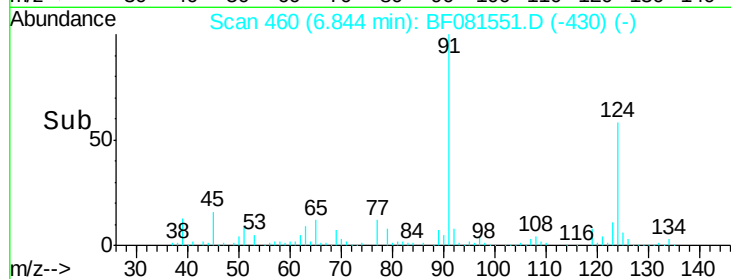
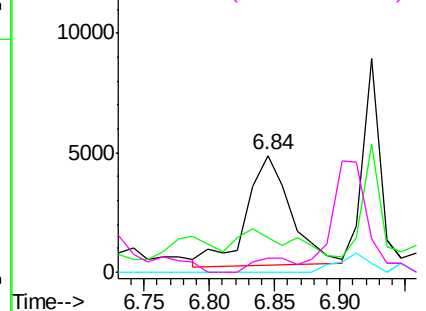
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

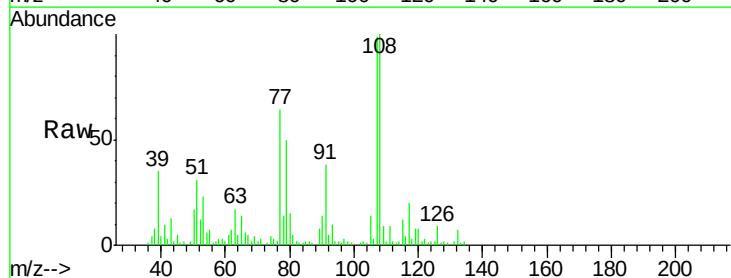
Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#20
3+4-Methylphenols
Concen: 16.29 ng
RT: 6.82 min Scan# 458
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion	Ratio	Lower	Upper
107	100		
108	101.2	74.6	114.6
77	64.9	0.7	40.7#
79	51.1	0.0	38.9#



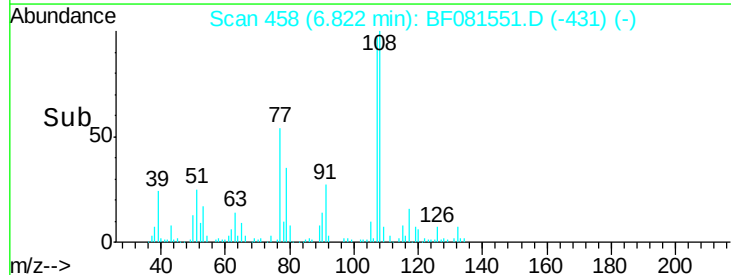
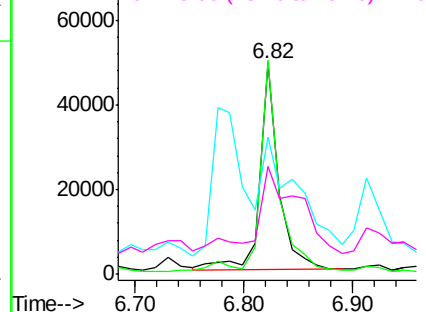
Abundance

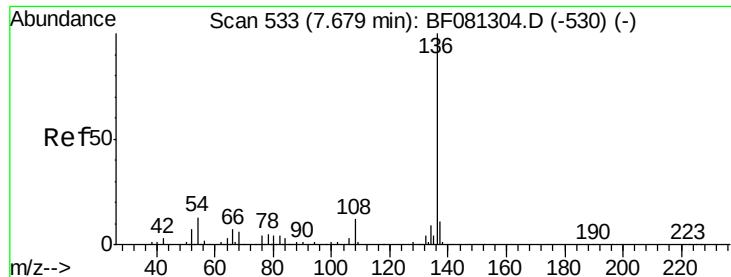
Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 190688

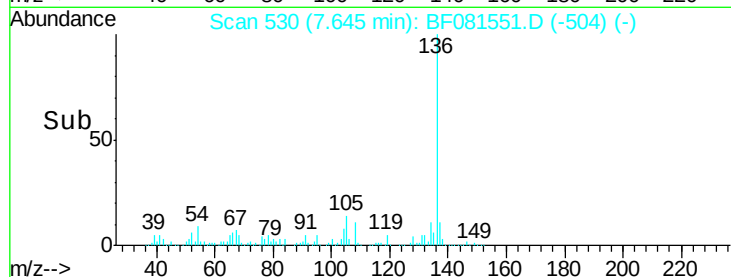
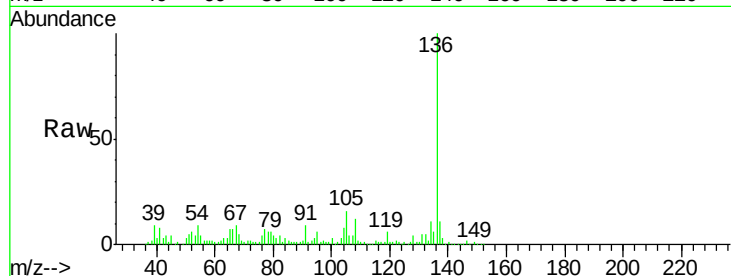
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 9.4 8.2 12.2

68 5.3 5.8 8.6#



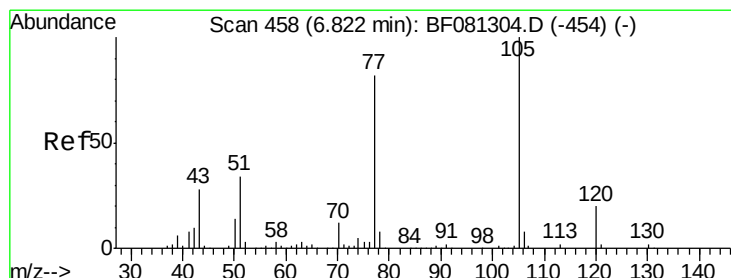
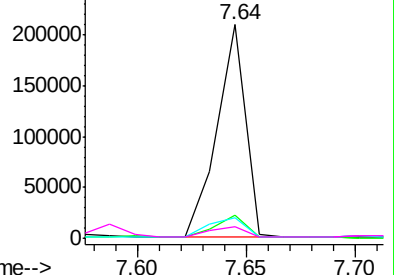
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



#22

Acetophenone

Concen: 18.87 ng

RT: 6.79 min Scan# 455

Delta R.T. 0.01 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Tgt Ion:105 Resp: 98289

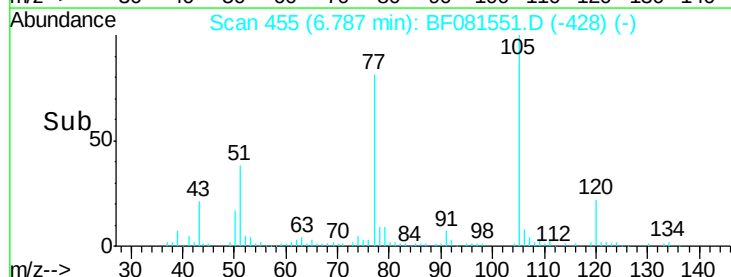
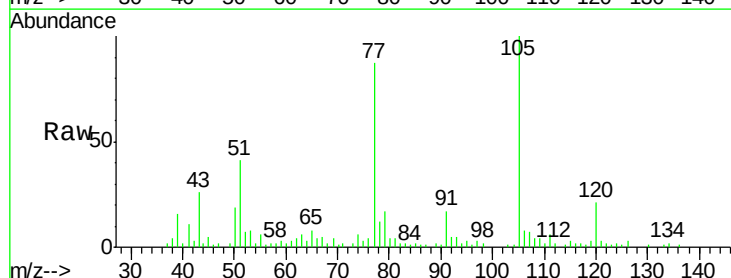
Ion Ratio Lower Upper

105 100

71 2.4 4.7 7.1#

51 41.3 22.0 33.0#

120 21.4 30.1 45.1#



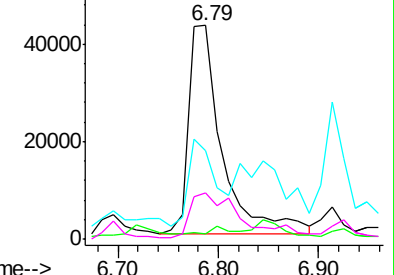
Abundance Ion 105.00 (104.70 to 105.70): E

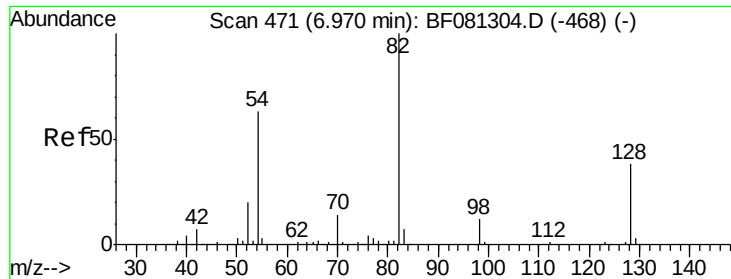
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->

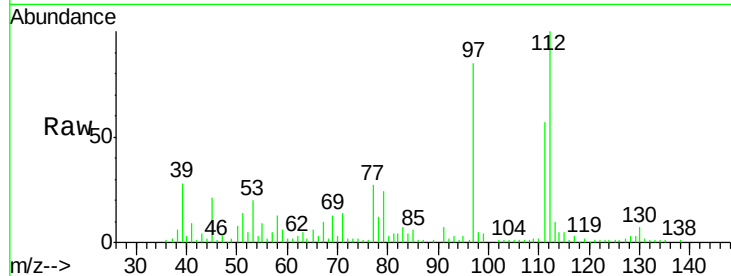




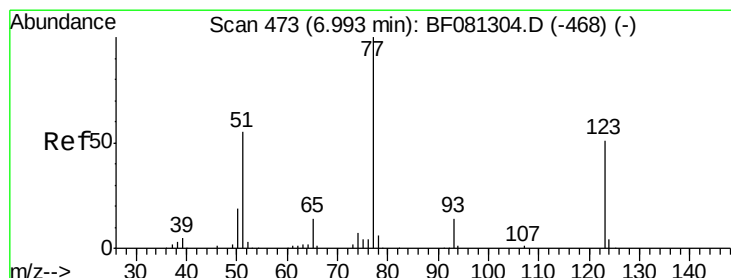
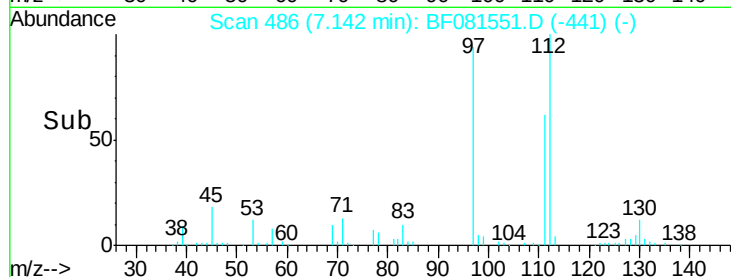
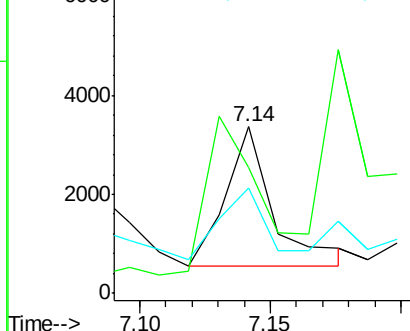
#23
 Nitrobenzene-d5
 Concen: 0.90 ng
 RT: 7.14 min Scan# 486
 Delta R.T. 0.22 min
 Lab File: BF081551.D
 Acq: 9 Sep 2015 7:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 3574
 Ion Ratio Lower Upper
 82 100
 128 75.7 51.0 76.6
 54 62.9 47.5 71.3

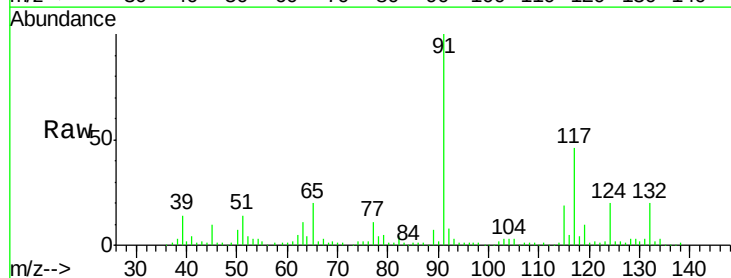


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

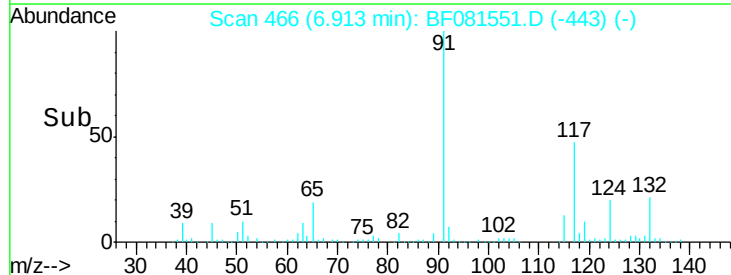
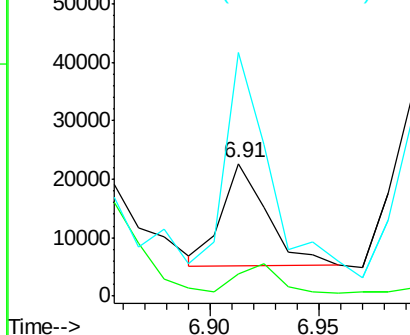


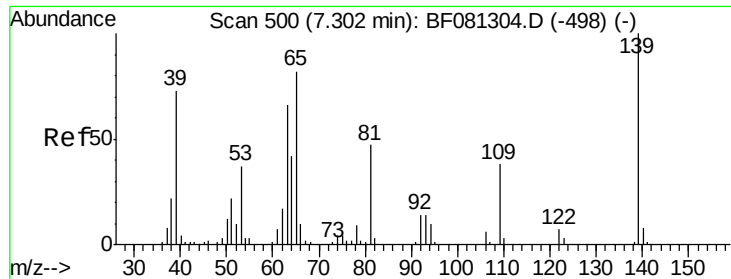
#24
 Nitrobenzene
 Concen: 6.21 ng
 RT: 6.91 min Scan# 466
 Delta R.T. -0.03 min
 Lab File: BF081551.D
 Acq: 9 Sep 2015 7:46

Tgt Ion: 77 Resp: 25495
 Ion Ratio Lower Upper
 77 100
 123 17.1 59.8 89.8#
 65 183.6 10.2 15.4#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0

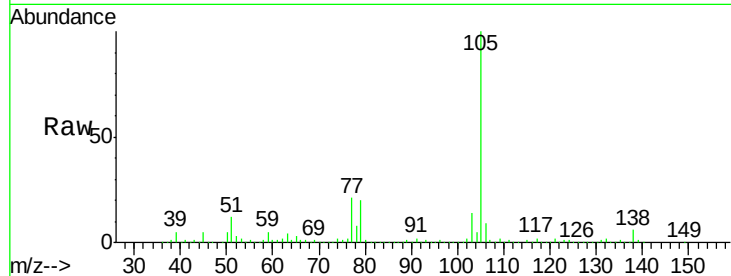




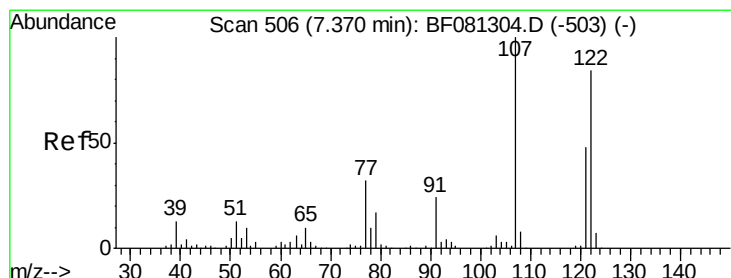
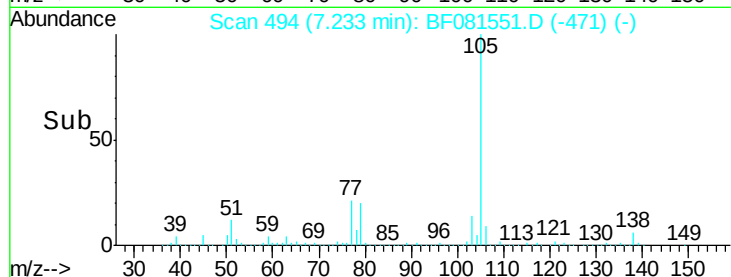
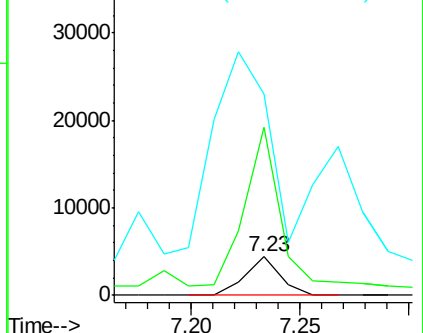
#26
2-Nitrophenol
Concen: 2.73 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.03 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 4884
Ion Ratio Lower Upper
139 100
109 437.3 11.0 16.4#
65 525.5 24.7 37.1#

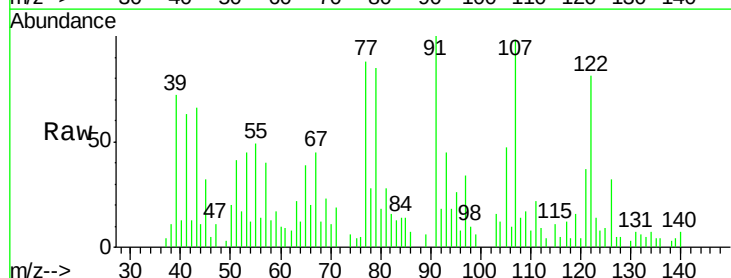


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

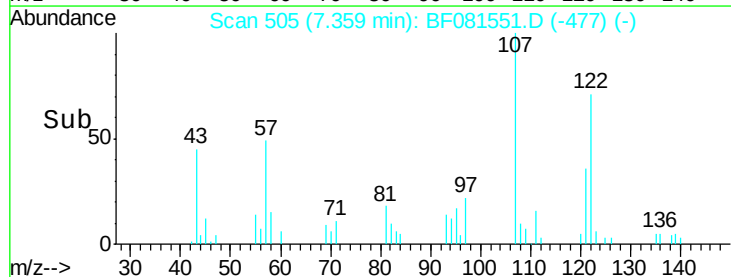
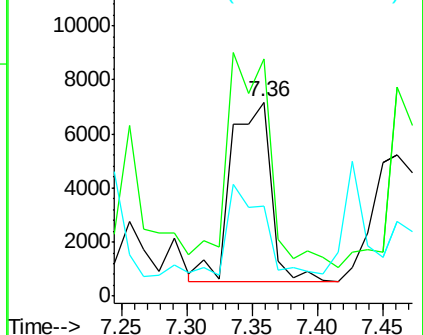


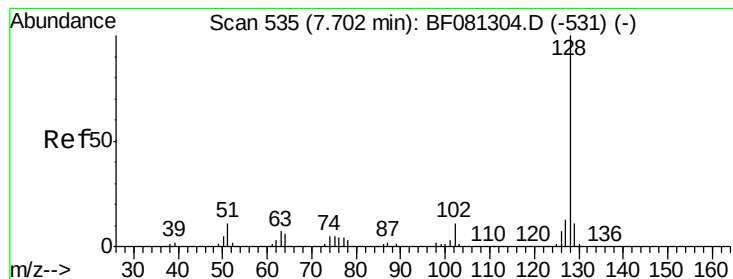
#27
2,4-Dimethylphenol
Concen: 4.61 ng
RT: 7.36 min Scan# 505
Delta R.T. 0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:122 Resp: 14229
Ion Ratio Lower Upper
122 100
107 122.0 71.8 107.6#
121 46.3 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 5.79 ng

RT: 7.67 min Scan# 532

Delta R.T. 0.01 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Instrument :

BNA_F

ClientSampled :

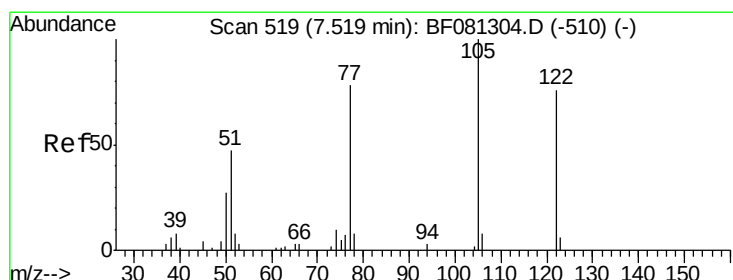
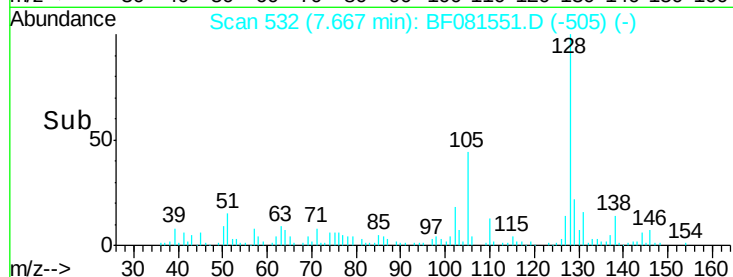
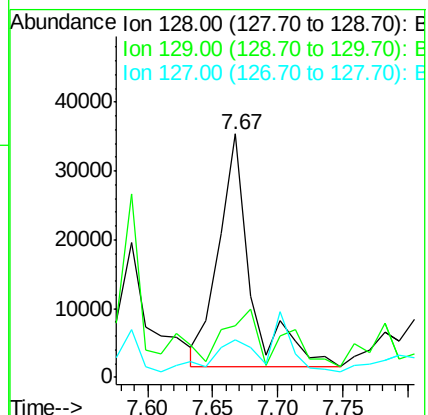
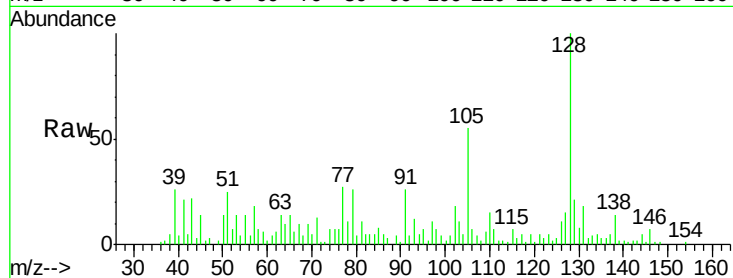
Tot Ion:128 Resp: 58931

Ion Ratio Lower Upper

128 100

129 21.5 8.4 12.6#

127 15.3 9.9 14.9#



#32

Benzoic acid

Concen: 8.34 ng

RT: 7.46 min Scan# 514

Delta R.T. -0.02 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

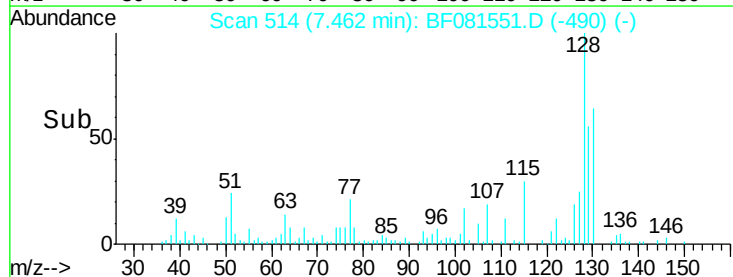
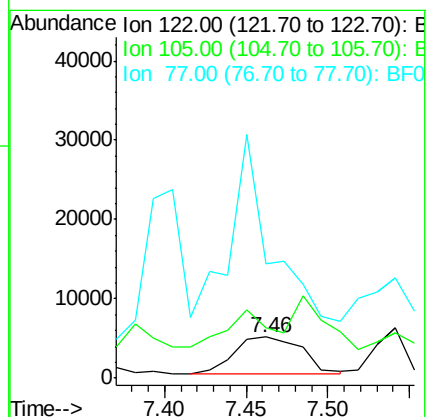
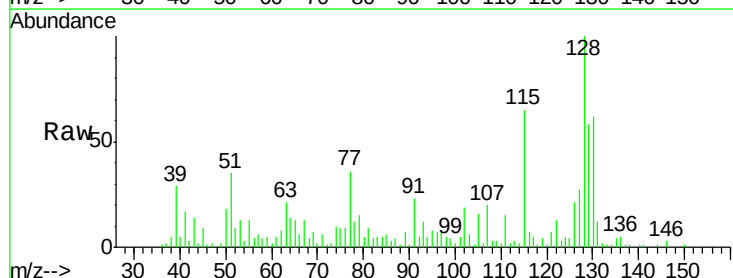
Tgt Ion:122 Resp: 13512

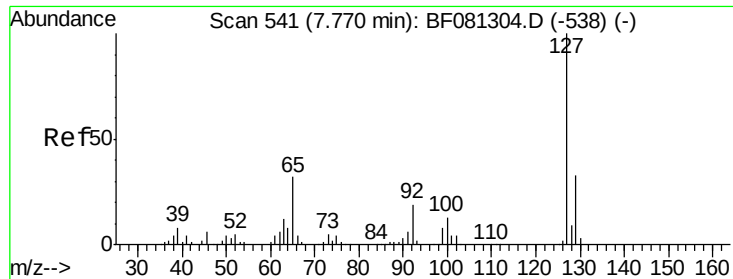
Ion Ratio Lower Upper

122 100

105 123.2 76.1 116.1#

77 275.8 40.5 80.5#

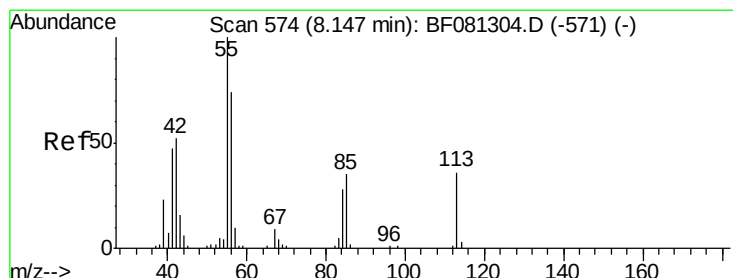
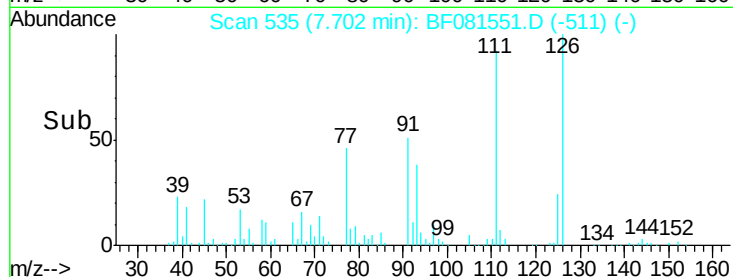
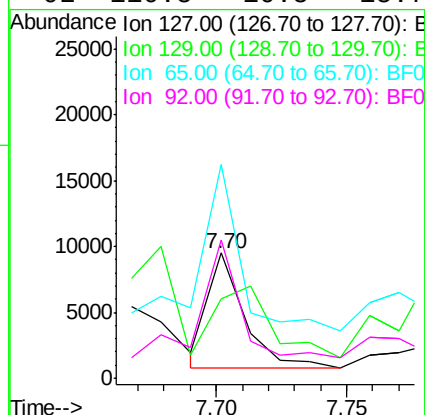
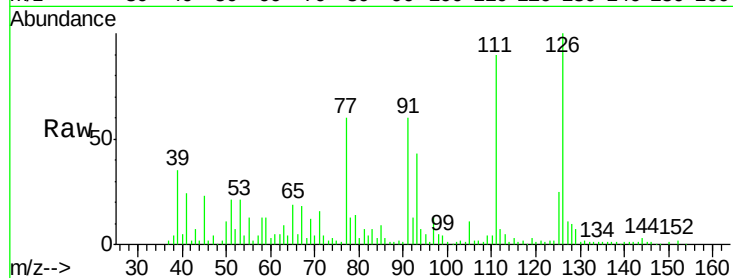




#33
4-Chloroaniline
Concen: 2.07 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

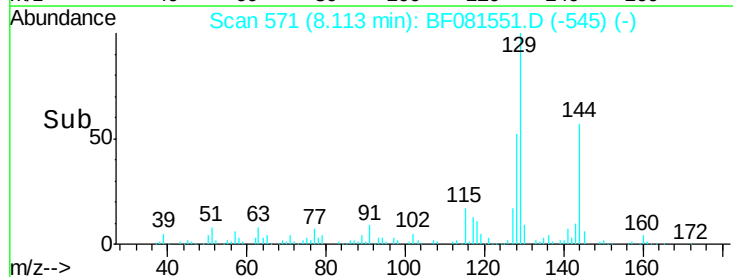
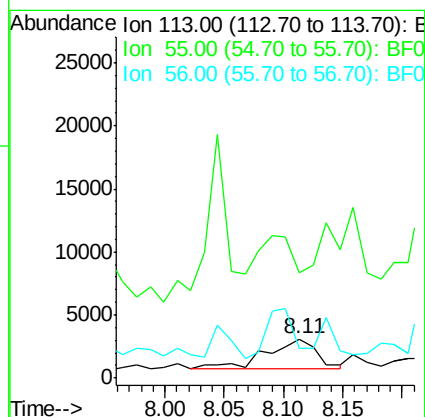
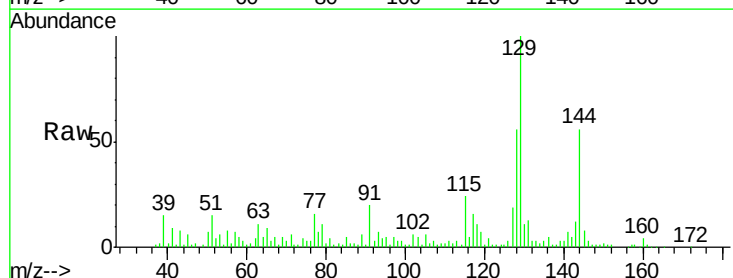
Instrument :
BNA_F
ClientSampled :

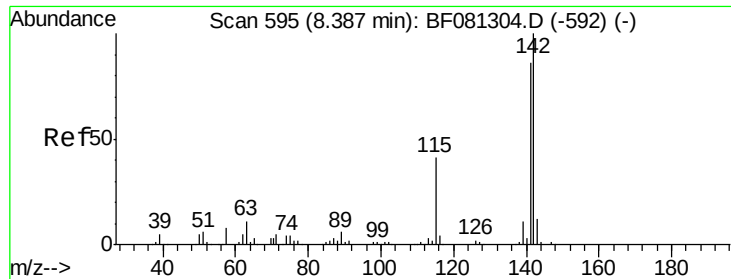
Tot Ion:	127	Resp:	8571
Ion	Ratio	Lower	Upper
127	100		
129	63.2	25.8	38.6#
65	170.9	17.9	26.9#
92	110.5	10.5	15.7#



#35
Caprolactam
Concen: 8.83 ng
RT: 8.11 min Scan# 571
Delta R.T. 0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:	113	Resp:	7253
Ion	Ratio	Lower	Upper
113	100		
55	269.0	152.4	192.4#
56	74.7	104.6	144.6#

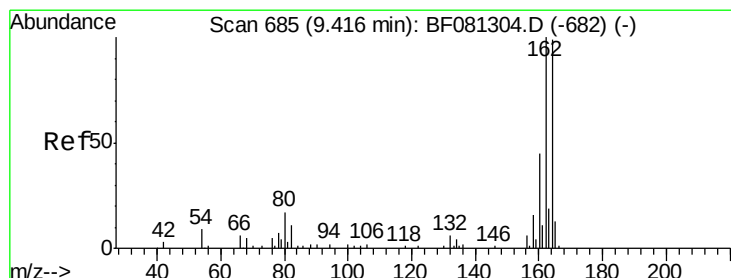
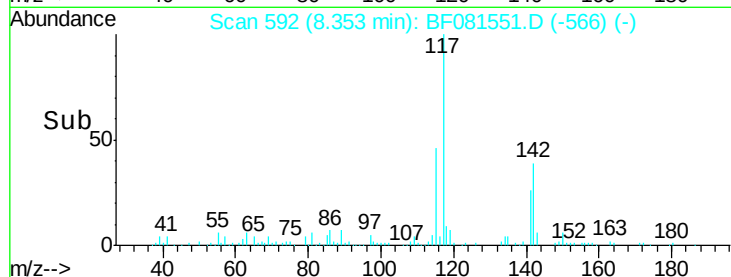
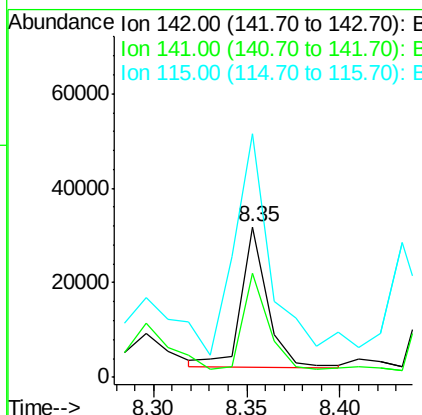
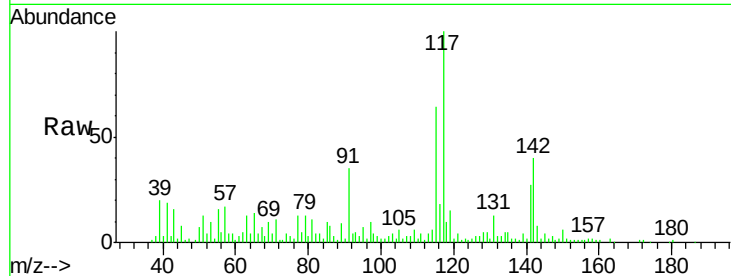




#37
2-Methylnaphthalene
Concen: 4.36 ng
RT: 8.35 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

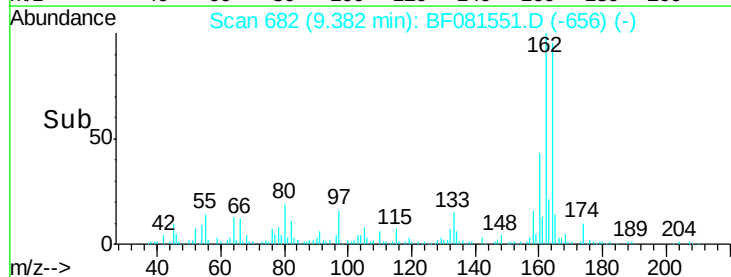
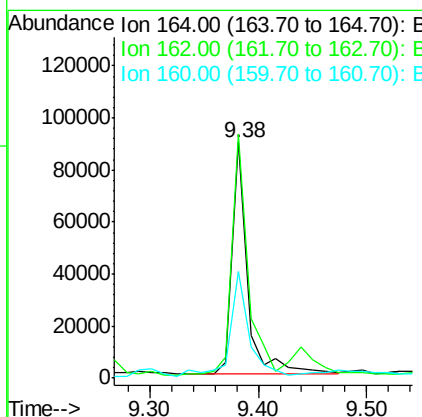
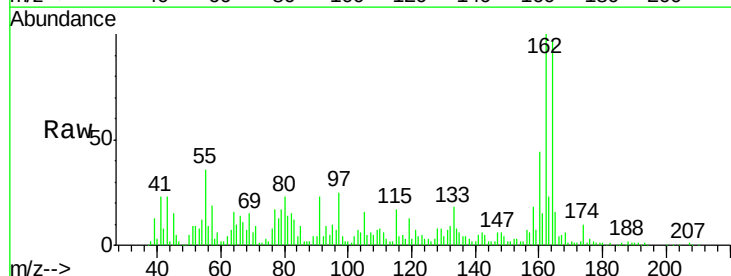
Instrument :
BNA_F
ClientSampleId :

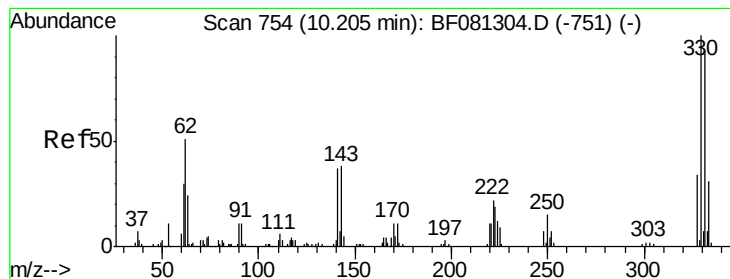
Tot Ion:142 Resp: 28887
Ion Ratio Lower Upper
142 100
141 69.1 67.5 101.3
115 161.8 18.2 27.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:164 Resp: 87325
Ion Ratio Lower Upper
164 100
162 103.5 75.2 112.8
160 45.5 31.5 47.3

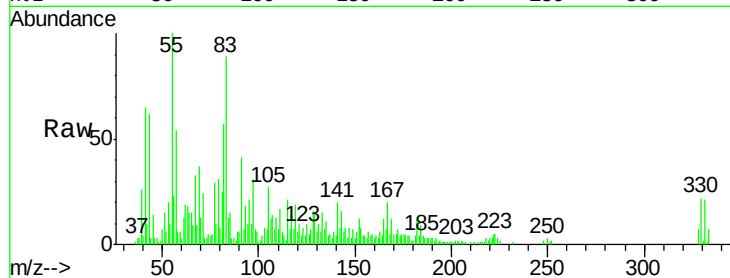




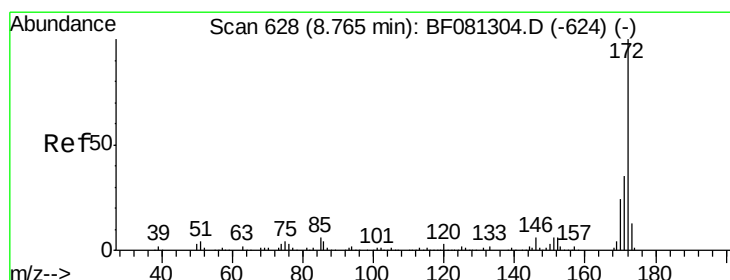
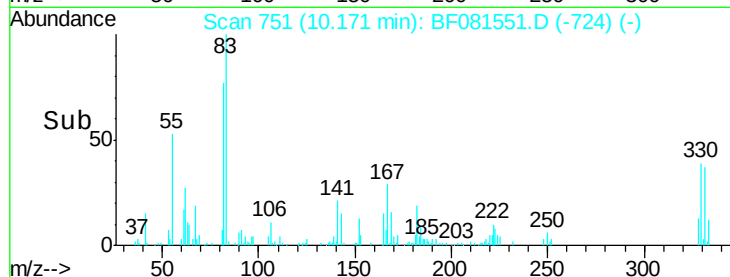
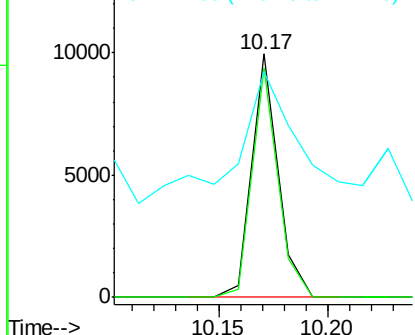
#41
 2,4,6-Tribromophenol
 Concen: 10.76 ng
 RT: 10.17 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: BF081551.D
 Acq: 9 Sep 2015 7:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.0	76.6	114.8
141	84.6	29.7	44.5

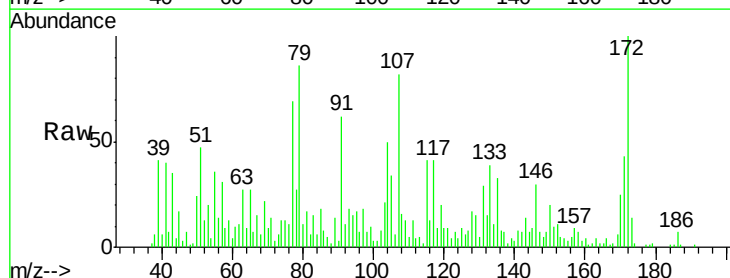


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

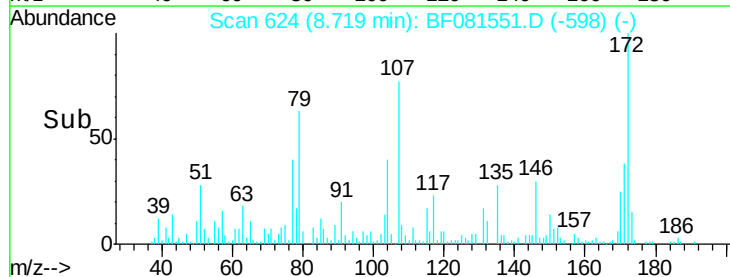
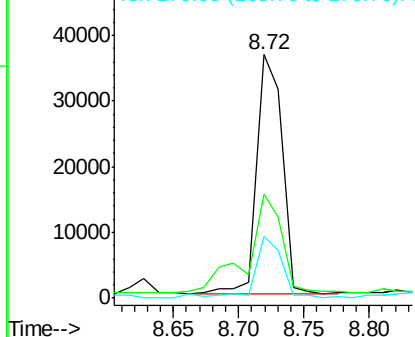


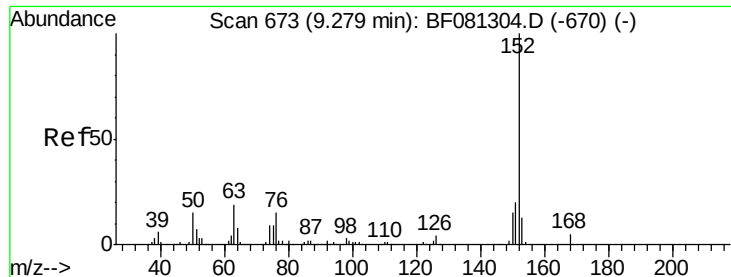
#44
 2-Fluorobiphenyl
 Concen: 7.24 ng
 RT: 8.72 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF081551.D
 Acq: 9 Sep 2015 7:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	42.8	26.1	39.1
170	25.4	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: 15.51 ng

RT: 9.24 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Instrument :

BNA_F

ClientSampleId :

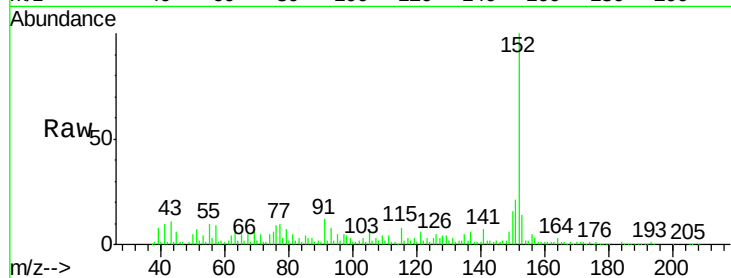
Tot Ion:152 Resp: 159601

Ion Ratio Lower Upper

152 100

151 20.8 14.6 22.0

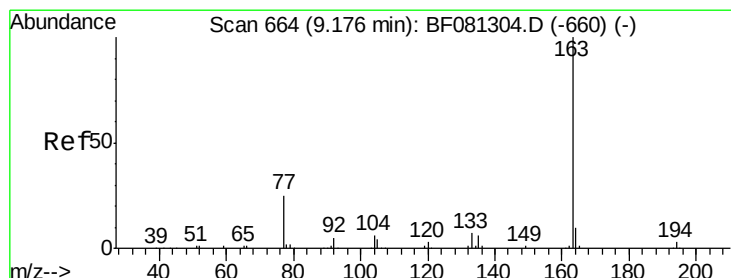
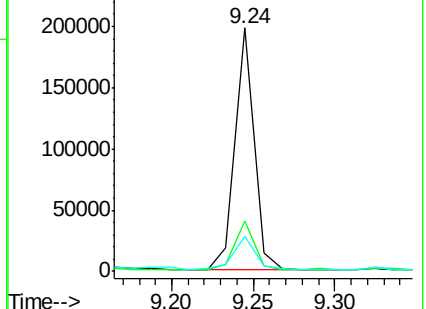
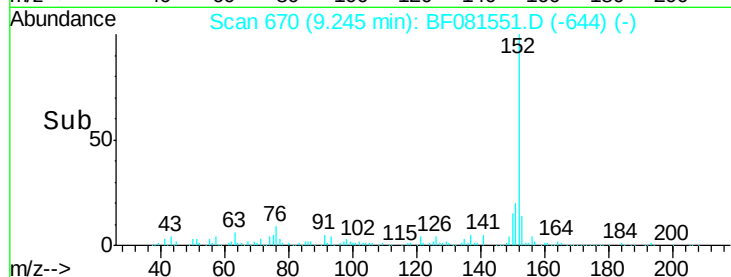
153 14.2 10.3 15.5



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: 2.15 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

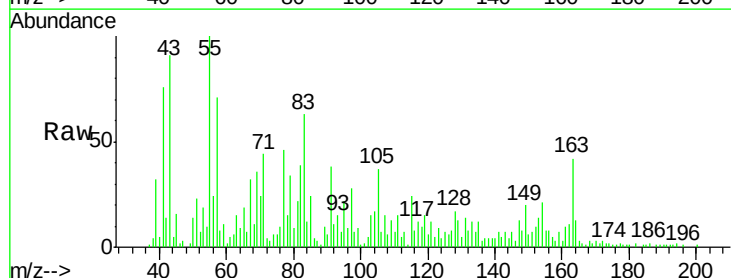
Tgt Ion:163 Resp: 14583

Ion Ratio Lower Upper

163 100

194 5.7 4.4 6.6

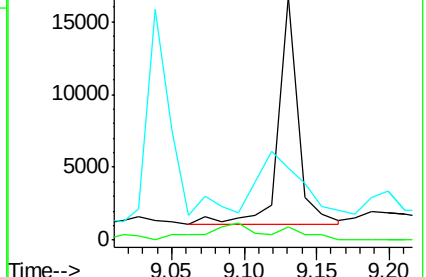
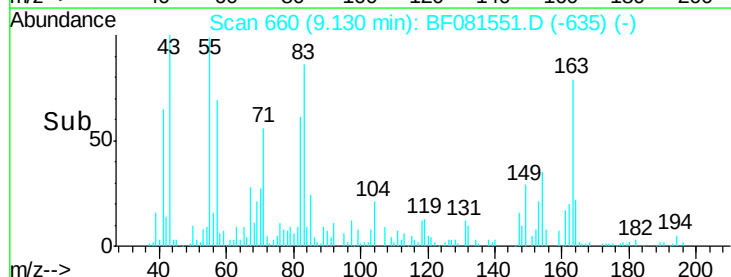
164 29.8 8.3 12.5#

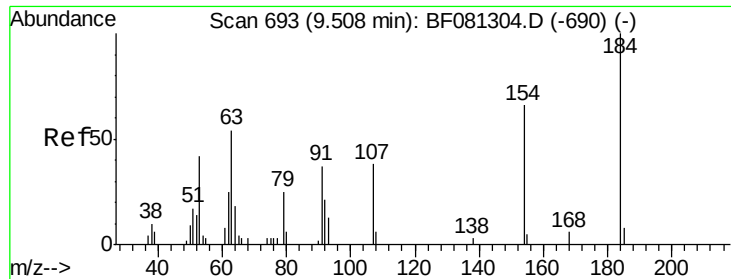


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#53

2,4-Dinitrophenol

Concen: 2.29 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.05 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Instrument :

BNA_F

ClientSampled :

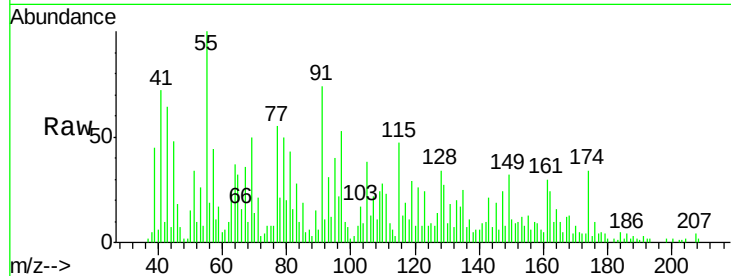
Tot Ion:184 Resp: 1488

Ion Ratio Lower Upper

184 100

63 521.4 35.4 53.2#

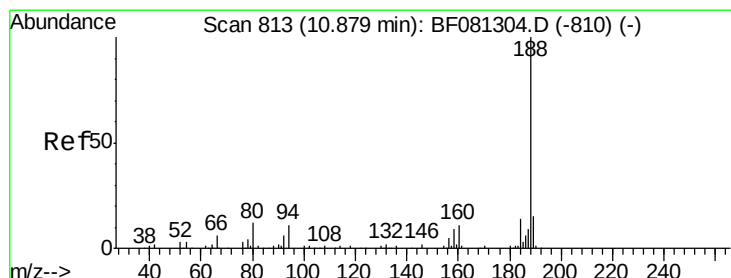
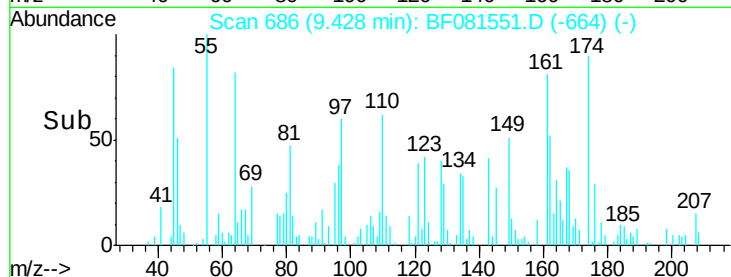
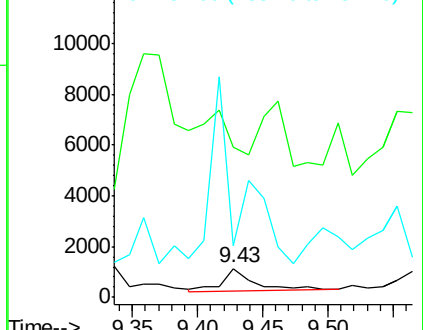
154 178.1 32.2 48.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.86 min Scan# 811

Delta R.T. 0.01 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

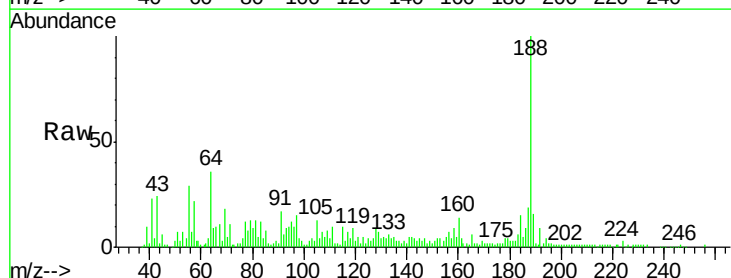
Tgt Ion:188 Resp: 121989

Ion Ratio Lower Upper

188 100

94 9.8 11.1 16.7#

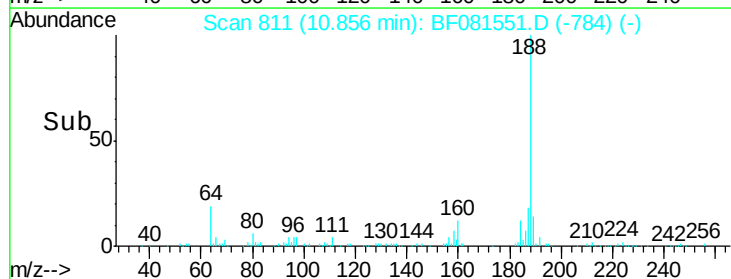
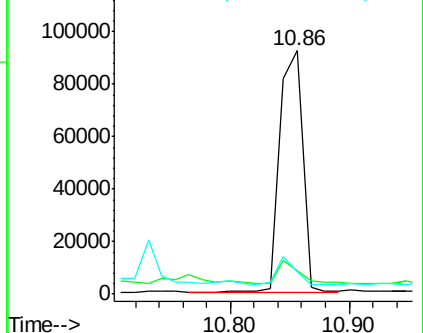
80 9.3 11.0 16.4#

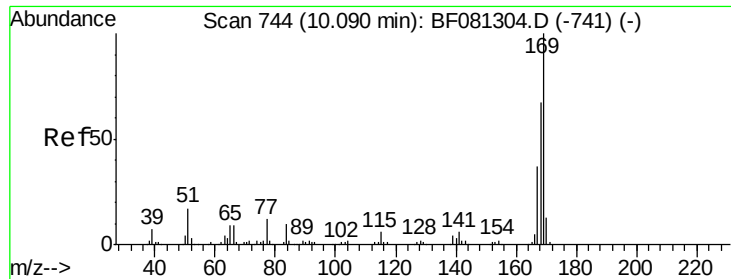


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.70 ng

RT: 10.06 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Instrument :

BNA_F

ClientSampleId :

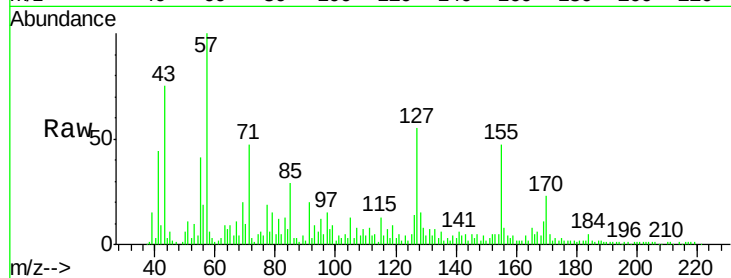
Tot Ion:169 Resp: 11973

Ion Ratio Lower Upper

169 100

168 33.3 48.9 73.3#

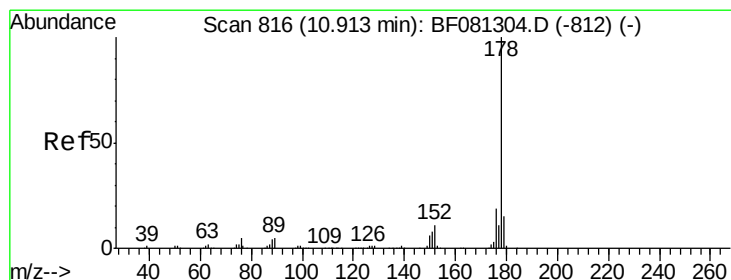
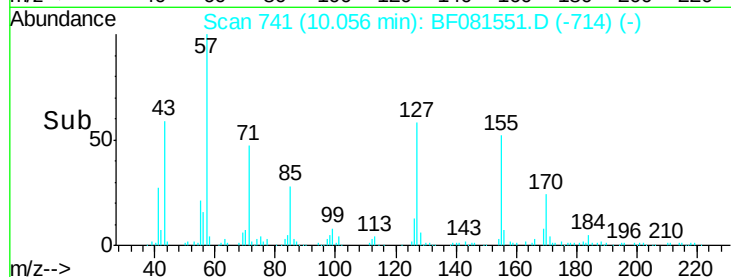
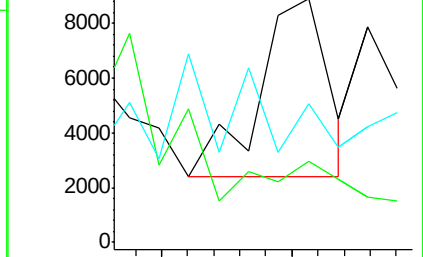
167 57.2 26.2 39.4#



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



#70

Phenanthrene

Concen: 20.18 ng

RT: 10.88 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

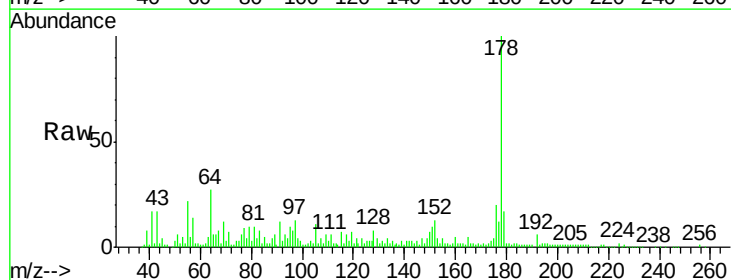
Tgt Ion:178 Resp: 136848

Ion Ratio Lower Upper

178 100

176 19.9 13.8 20.8

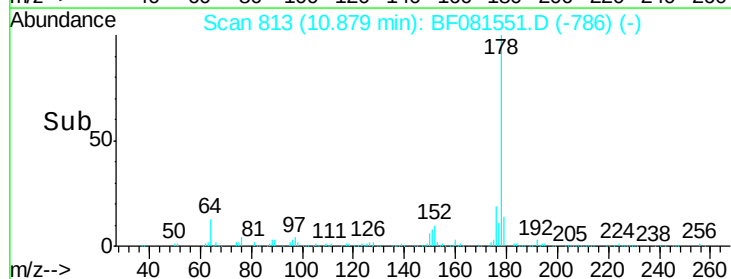
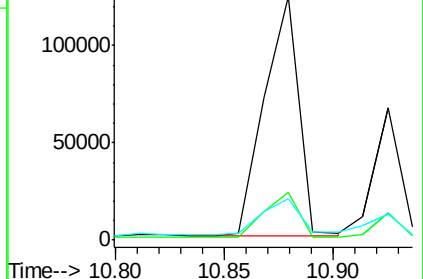
179 16.8 12.2 18.2

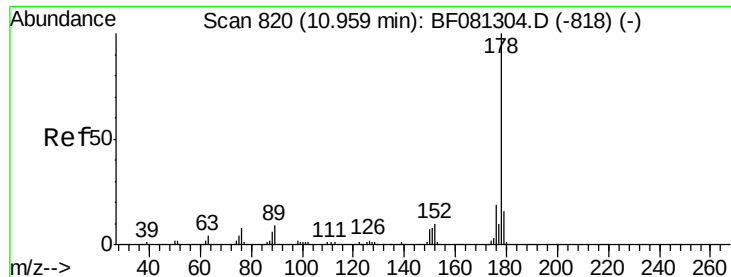


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 19.64 ng

RT: 10.88 min Scan# 813

Delta R.T. -0.03 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Instrument :

BNA_F

ClientSampleId :

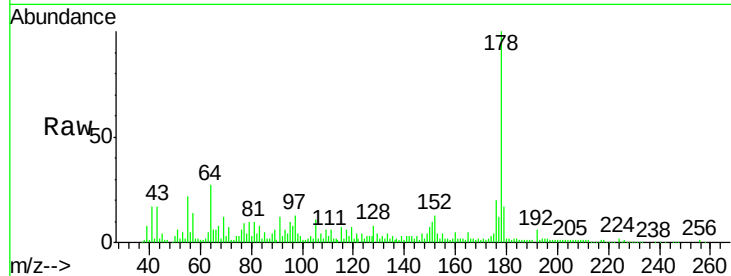
Tot Ion:178 Resp: 136848

Ion Ratio Lower Upper

178 100

176 19.9 14.1 21.1

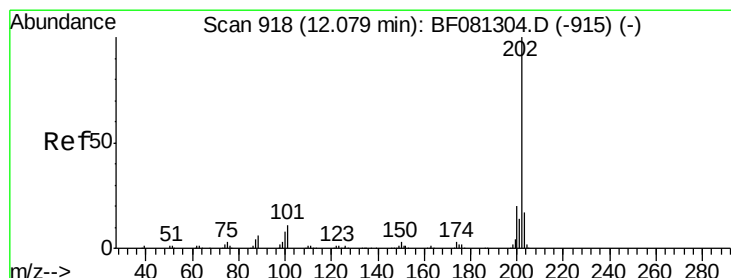
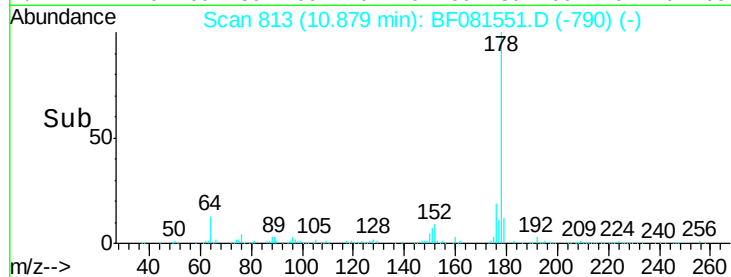
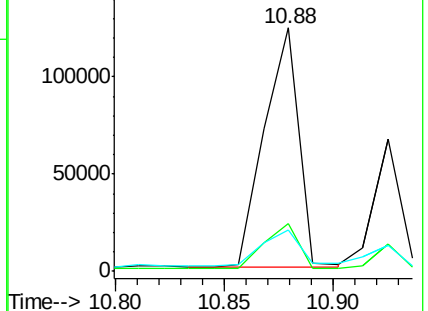
179 16.8 12.2 18.2



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



#74

Fluoranthene

Concen: 31.48 ng

RT: 12.07 min Scan# 917

Delta R.T. 0.03 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

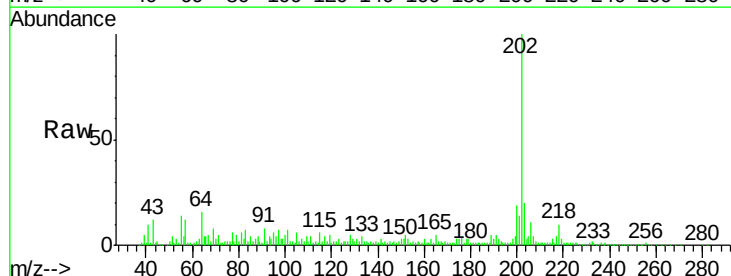
Tgt Ion:202 Resp: 231100

Ion Ratio Lower Upper

202 100

101 6.6 0.0 38.3

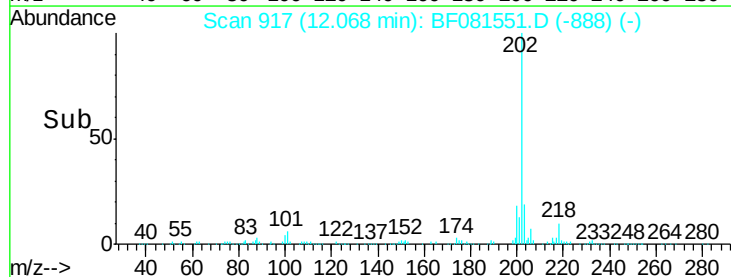
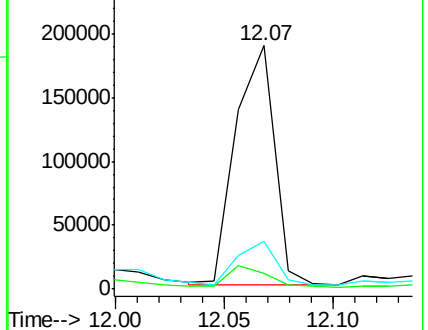
203 19.7 0.0 37.3

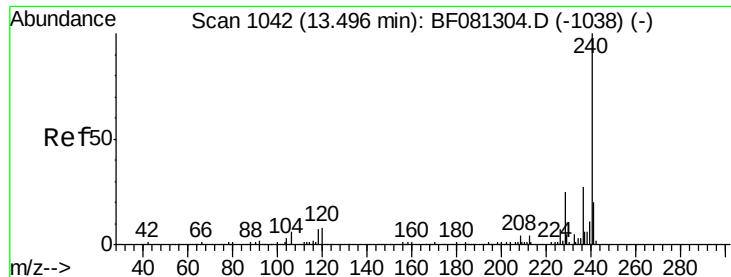


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.47 min Scan# 1040

Delta R.T. 0.02 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Instrument :

BNA_F

ClientSampleId :

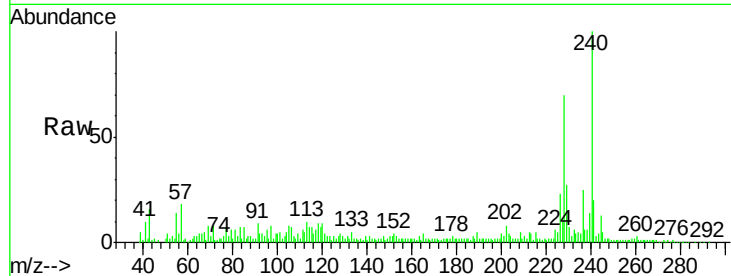
Tot Ion:240 Resp: 105824

Ion Ratio Lower Upper

240 100

120 8.7 16.2 24.2#

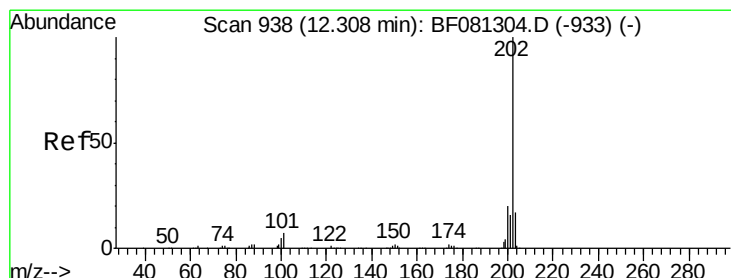
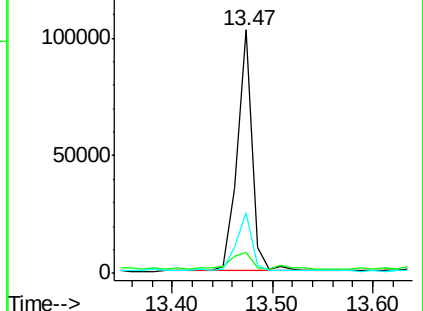
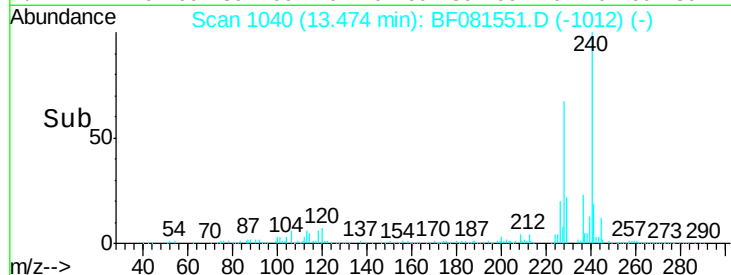
236 24.9 18.4 27.6



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

Pyrene

Concen: 77.11 ng

RT: 12.29 min Scan# 936

Delta R.T. 0.02 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

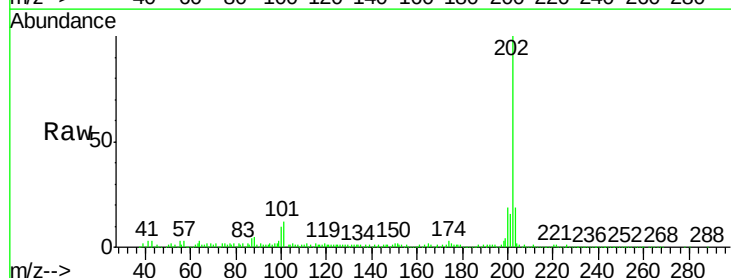
Tgt Ion:202 Resp: 604463

Ion Ratio Lower Upper

202 100

200 19.3 15.0 22.4

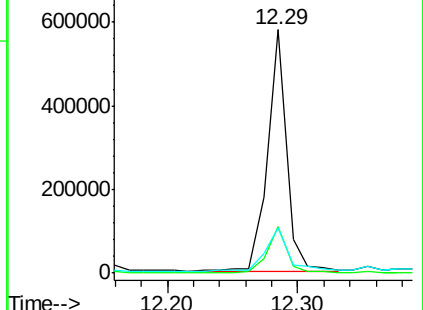
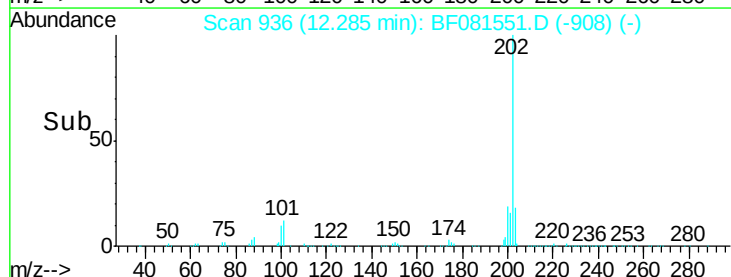
203 18.6 14.1 21.1

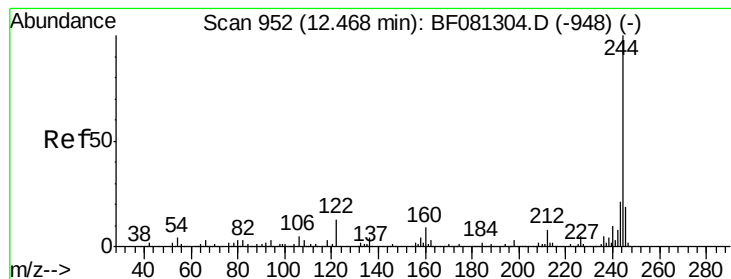


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.69 ng

RT: 12.43 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Instrument :

BNA_F

ClientSampleId :

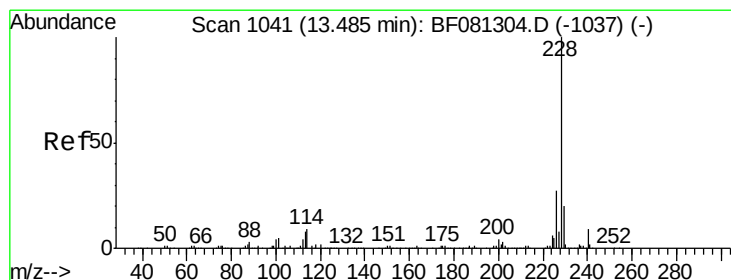
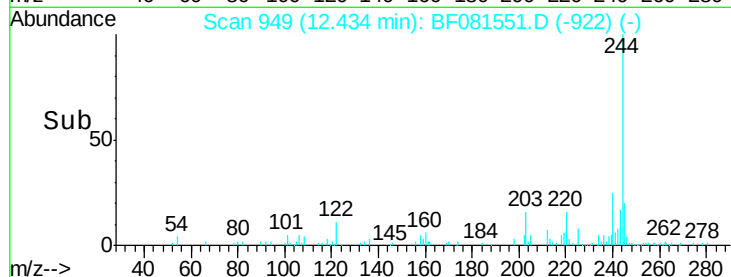
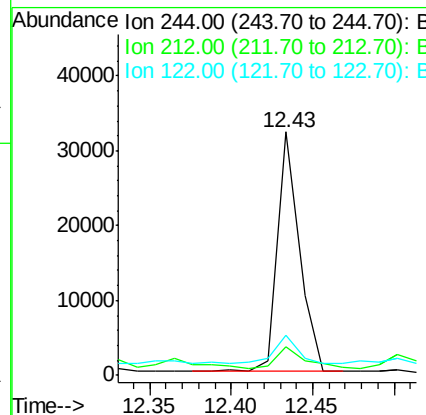
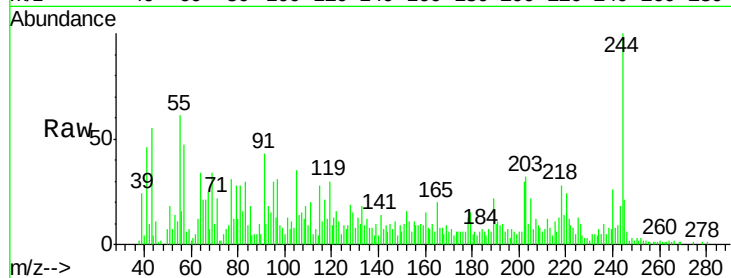
Tot Ion:244 Resp: 30412

Ion Ratio Lower Upper

244 100

212 11.6 4.3 6.5#

122 16.4 17.4 26.2#



#80

Benzo(a)anthracene

Concen: 46.93 ng

RT: 13.46 min Scan# 1039

Delta R.T. 0.02 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

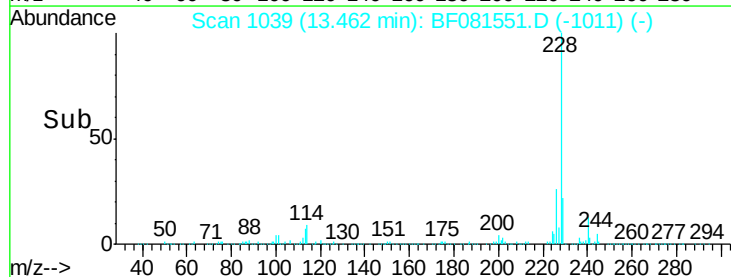
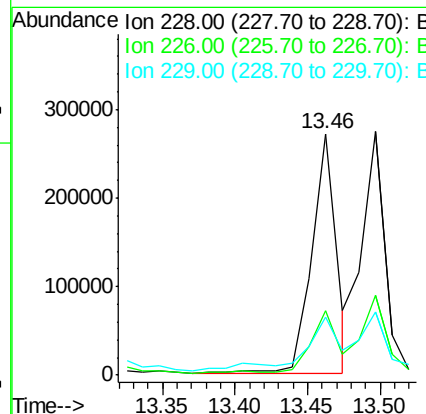
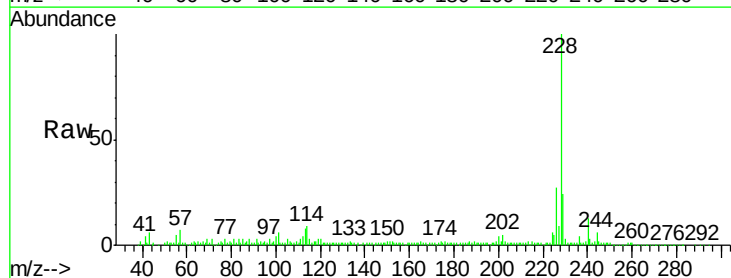
Tgt Ion:228 Resp: 316297

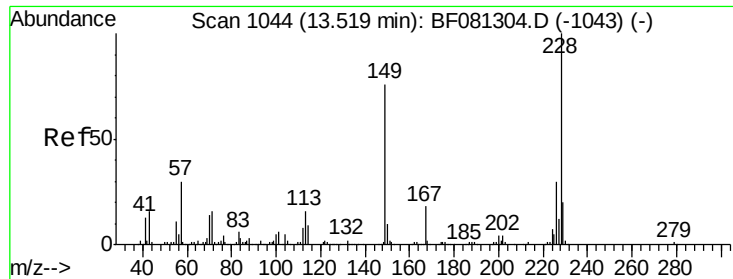
Ion Ratio Lower Upper

228 100

226 26.9 20.0 30.0

229 24.0 15.4 23.2#





#82

Chrysene

Concen: 52.36 ng

RT: 13.46 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF081551.D

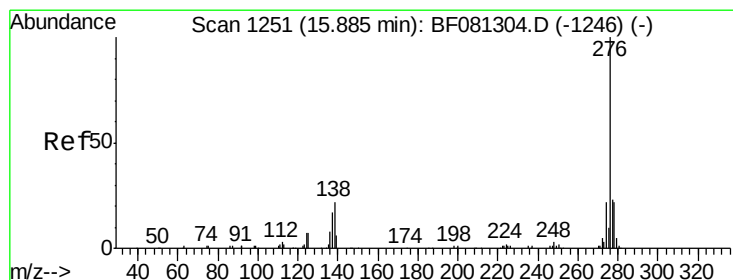
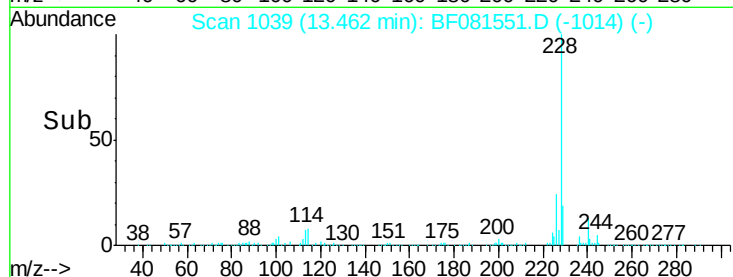
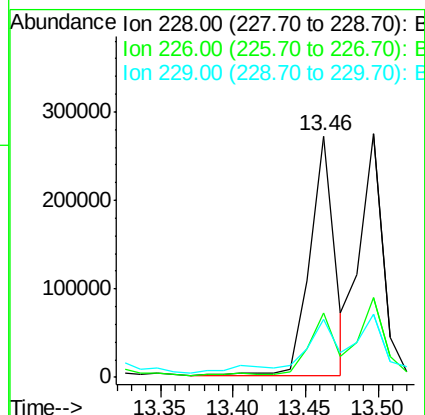
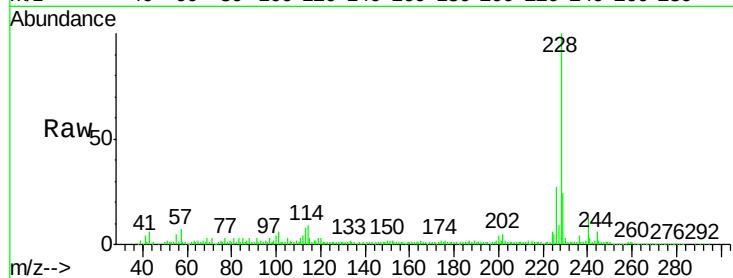
Acq: 9 Sep 2015 7:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	228	Resp:	316297
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.0	31.4
229	24.0	15.6	23.4#



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.63 ng

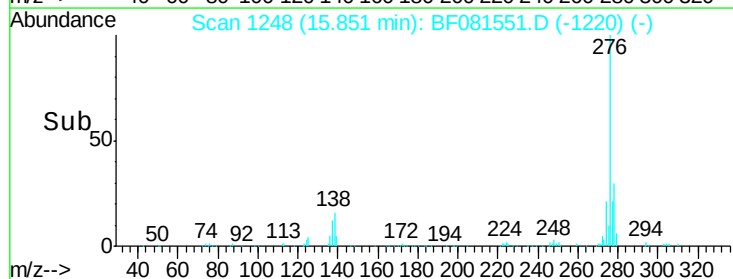
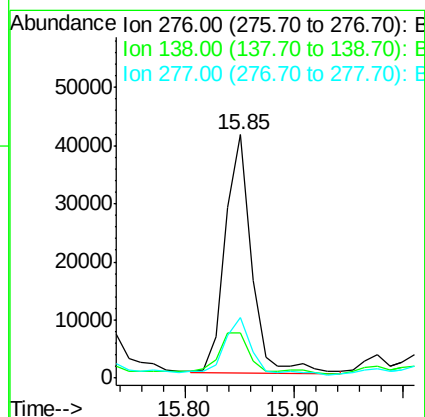
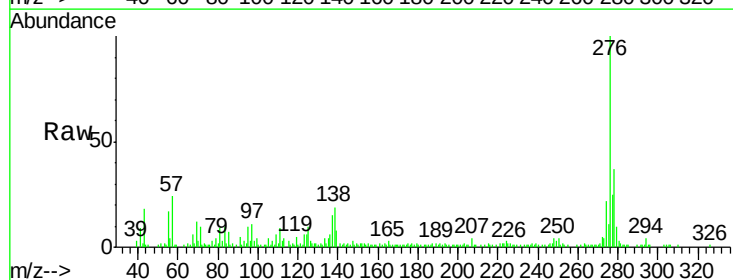
RT: 15.85 min Scan# 1248

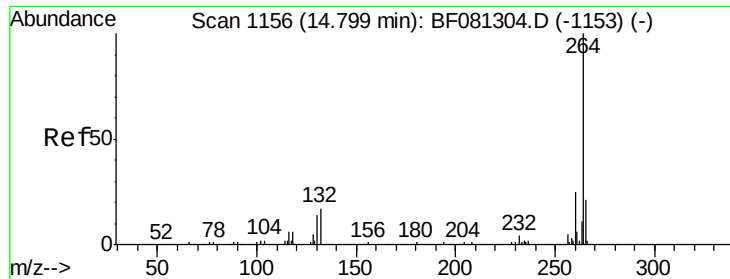
Delta R.T. 0.02 min

Lab File: BF081551.D

Acq: 9 Sep 2015 7:46

Tgt Ion:	276	Resp:	69276
Ion	Ratio	Lower	Upper
276	100		
138	17.7	25.7	38.5#
277	25.7	15.6	23.4#

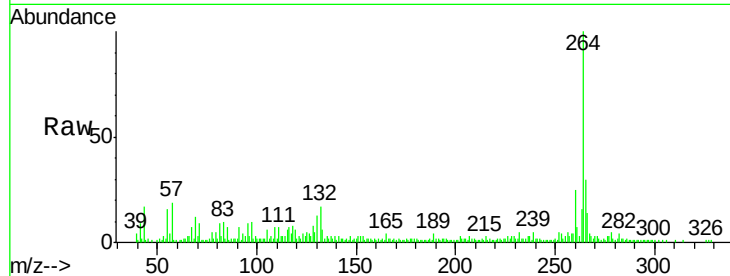




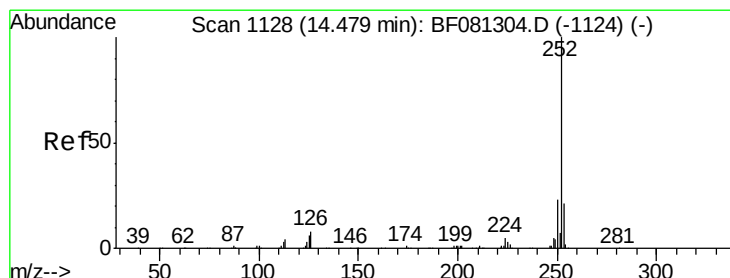
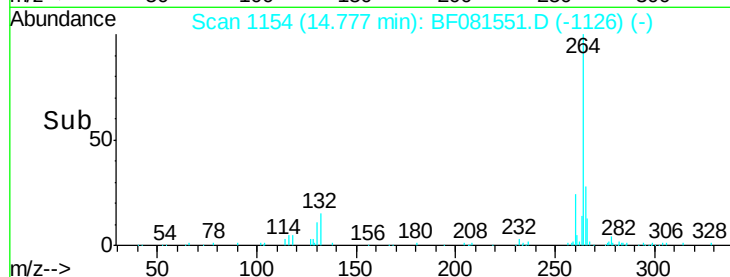
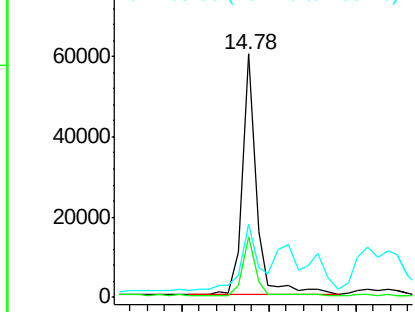
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 67658
Ion Ratio Lower Upper
264 100
260 25.0 16.7 25.1
265 30.3 17.2 25.8#

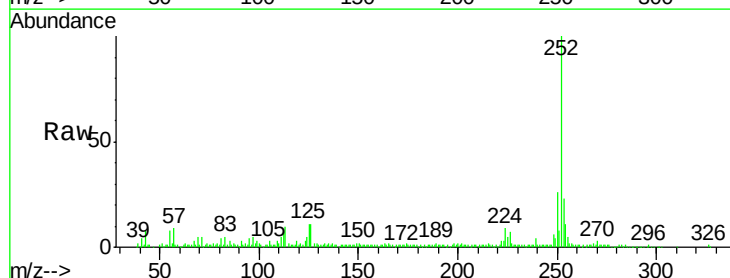


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

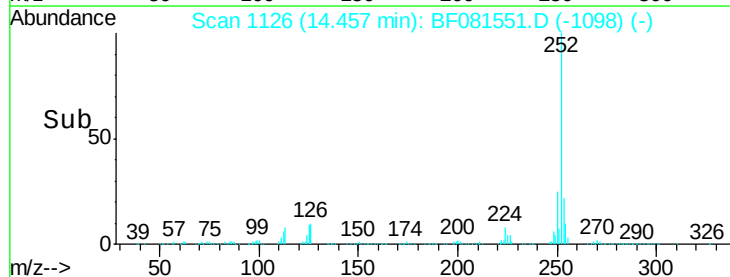
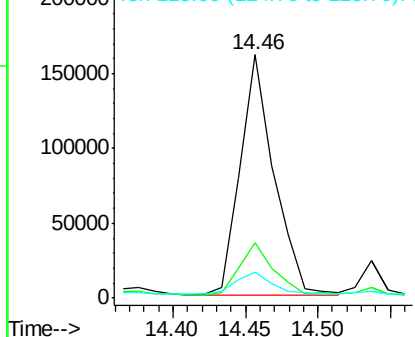


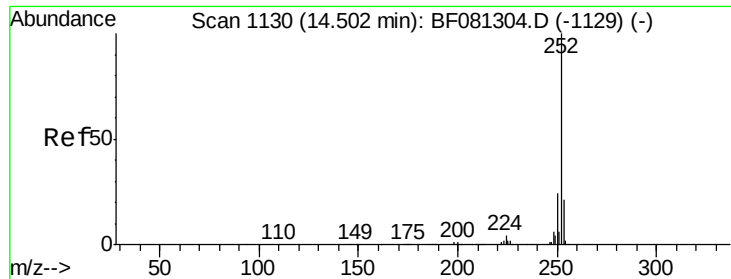
#87
Benzo(b)fluoranthene
Concen: 53.23 ng
RT: 14.46 min Scan# 1126
Delta R.T. 0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:252 Resp: 257107
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.9 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

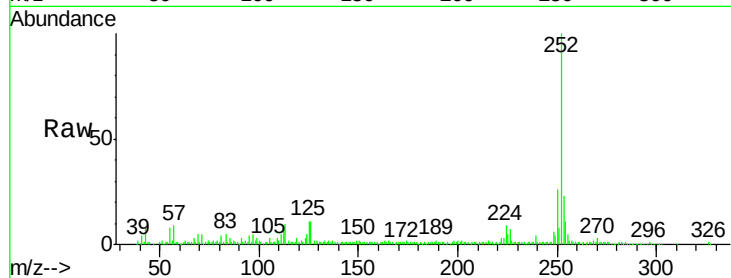




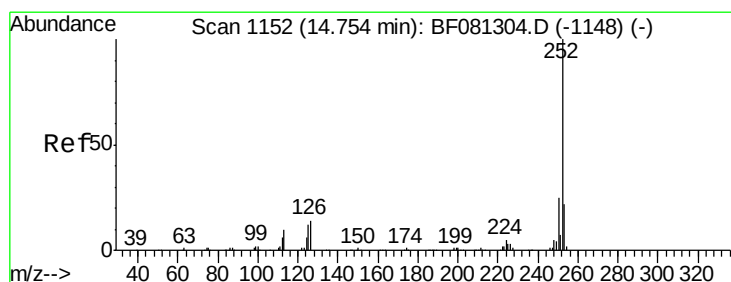
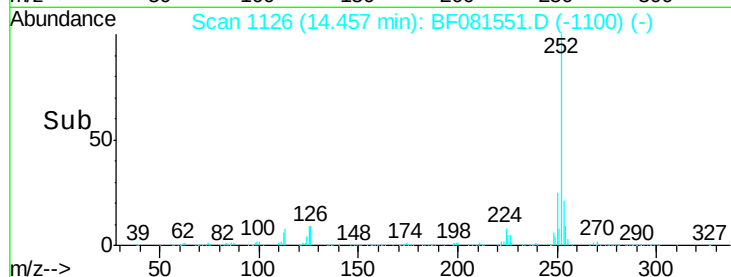
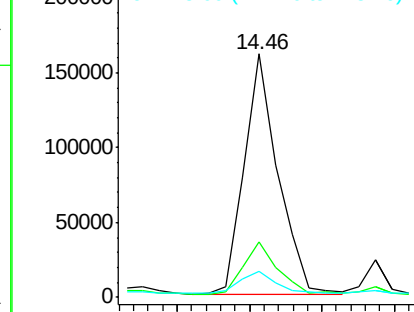
#88
Benzo(k)fluoranthene
Concen: 64.15 ng
RT: 14.46 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.4
125	10.9	16.0	24.0#

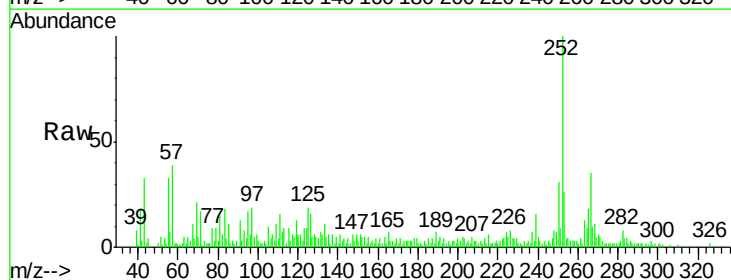


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

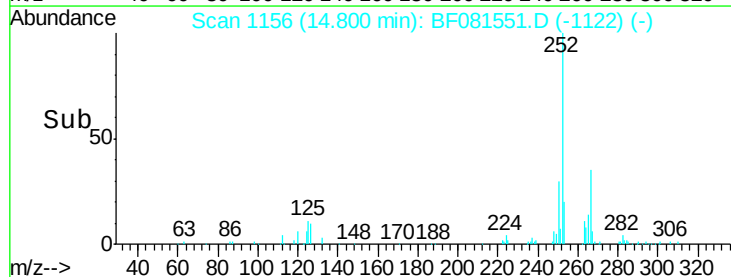
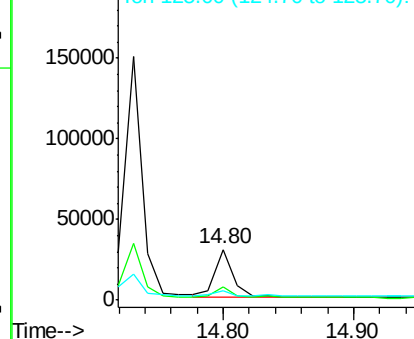


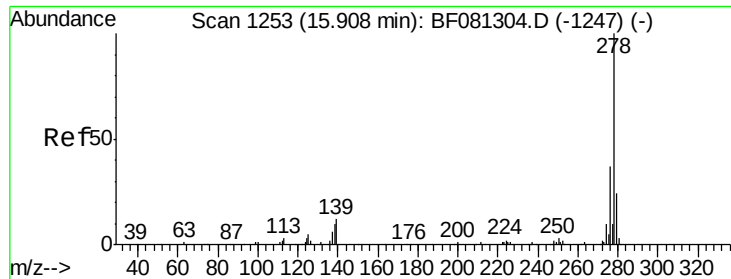
#89
Benzo(a)pyrene
Concen: 7.49 ng
RT: 14.80 min Scan# 1156
Delta R.T. 0.09 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.2	25.8
125	19.5	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

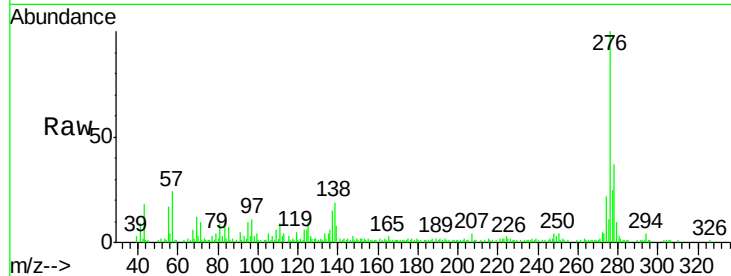




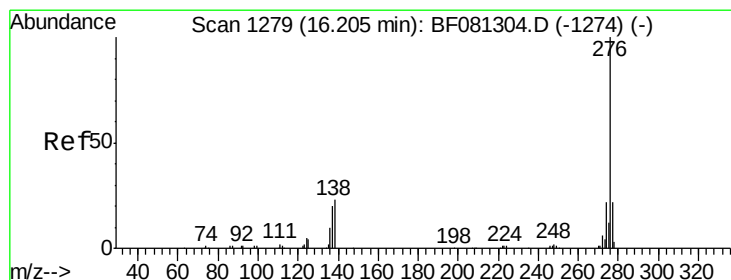
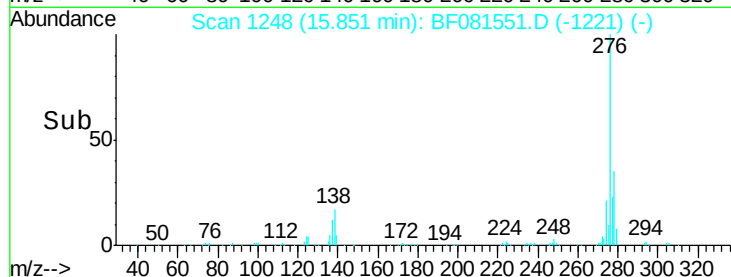
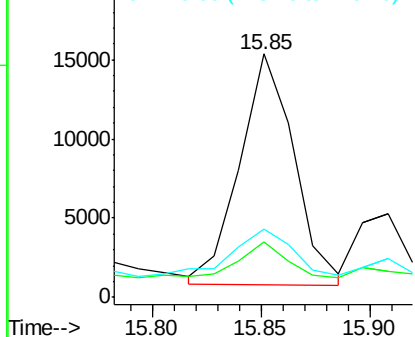
#90
Dibenzo(a,h)anthracene
Concen: 8.03 ng
RT: 15.85 min Scan# 1248
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 25390
Ion Ratio Lower Upper
278 100
139 22.7 26.3 39.5#
279 28.0 18.2 27.4#

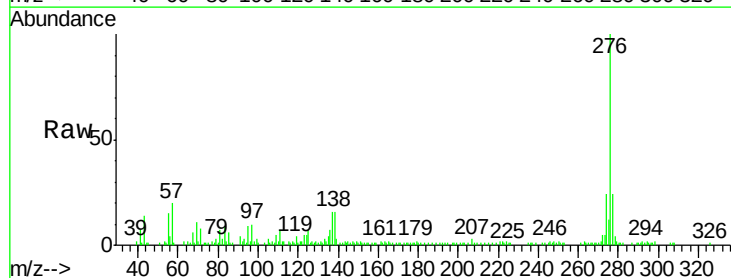


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 26.86 ng
RT: 16.17 min Scan# 1276
Delta R.T. 0.03 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:276 Resp: 81092
Ion Ratio Lower Upper
276 100
277 24.1 17.8 26.6
138 16.2 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

