

Data Path : Z:\HPCHEM1\BNA F\Data\BF122216\
 Data File : BF091910.D
 Acq On : 23 Dec 2016 7:22
 Operator : UM/SJ
 Sample : H6182-01
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 23 16:01:01 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	168670	20.00	ng	0.01
21) Naphthalene-d8	8.06	136	505409	20.00	ng	0.02
38) Acenaphthene-d10	9.81	164	273265	20.00	ng	0.02
63) Phenanthrene-d10	11.28	188	586293	20.00	ng	0.01
75) Chrysene-d12	13.89	240	364091	20.00	ng	-0.01
86) Perylene-d12	15.30	264	287331	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1771334	175.35	ng	0.06
7) Phenol-d6	6.44	99	2079424	168.60	ng	0.03
23) Nitrobenzene-d5	7.33	82	1176175	129.40	ng	0.01
41) 2,4,6-Tribromophenol	10.59	330	325688	144.02	ng	0.01
44) 2-Fluorobiphenyl	9.15	172	1562718	122.93	ng	0.03
78) Terphenyl-d14	12.85	244	1390697	92.64	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.42	93	32741	2.04	ng	# 1
9) Benzaldehyde	6.28	77	48149	5.05	ng	# 8
10) Phenol	6.45	94	88919	6.33	ng	# 13
15) Benzyl Alcohol	6.92	79	76635	8.00	ng	# 42
18) Hexachloroethane	7.34	117	1212697	261.99	ng	# 19
19) n-Nitroso-di-n-propylamine	7.20	70	198805	24.23	ng	# 69
22) Acetophenone	7.12	105	391916	31.44	ng	# 61
24) Nitrobenzene	7.32	77	373578	38.59	ng	# 49
25) Isophorone	7.60	82	663166	39.55	ng	# 1
26) 2-Nitrophenol	7.74	139	153302	32.11	ng	# 1
27) 2,4-Dimethylphenol	7.72	122	94827	11.98	ng	# 1
28) bis(2-Chloroethoxy)methane	7.87	93	136803	13.45	ng	# 1
29) 2,4-Dichlorophenol	7.92	162	65644	9.79	ng	# 1
30) 1,2,4-Trichlorobenzene	7.96	180	40560	5.52	ng	# 68
31) Naphthalene	8.06	128	252347	10.91	ng	# 1
32) Benzoic acid	7.86	122	63579	10.83	ng	# 23
33) 4-Chloroaniline	8.20	127	47696	4.57	ng	# 1
35) Caprolactam	8.52	113	653838	296.75	ng	# 1
36) 4-Chloro-3-methylphenol	8.61	107	74807	9.70	ng	# 30
37) 2-Methylnaphthalene	8.80	142	322622	18.89	ng	# 90
42) 2,4,6-Trichlorophenol	9.07	196	49772	10.31	ng	# 11
43) 2,4,5-Trichlorophenol	9.07	196	49772	10.02	ng	# 1
47) 2-Nitroaniline	9.30	65	51807	9.82	ng	# 45
48) Acenaphthylene	9.69	152	57511	2.52	ng	# 1
49) Dimethylphthalate	9.53	163	194099	11.11	ng	# 68
50) 2,6-Dinitrotoluene	9.60	165	81496	21.30	ng	# 67
51) Acenaphthene	9.85	154	67488	4.37	ng	# 27
52) 3-Nitroaniline	9.77	138	13115	2.77	ng	# 40
54) Dibenzofuran	10.02	168	147056	7.05	ng	# 1
55) 4-Nitrophenol	9.93	139	79547	24.75	ng	# 5
56) 2,4-Dinitrotoluene	10.02	165	36376	7.58	ng	# 62
57) Fluorene	10.35	166	173722	11.44	ng	# 83
62) Azobenzene	10.50	77	47496	2.54	ng	# 1
65) n-Nitrosodiphenylamine	10.46	169	224235	12.89	ng	# 43

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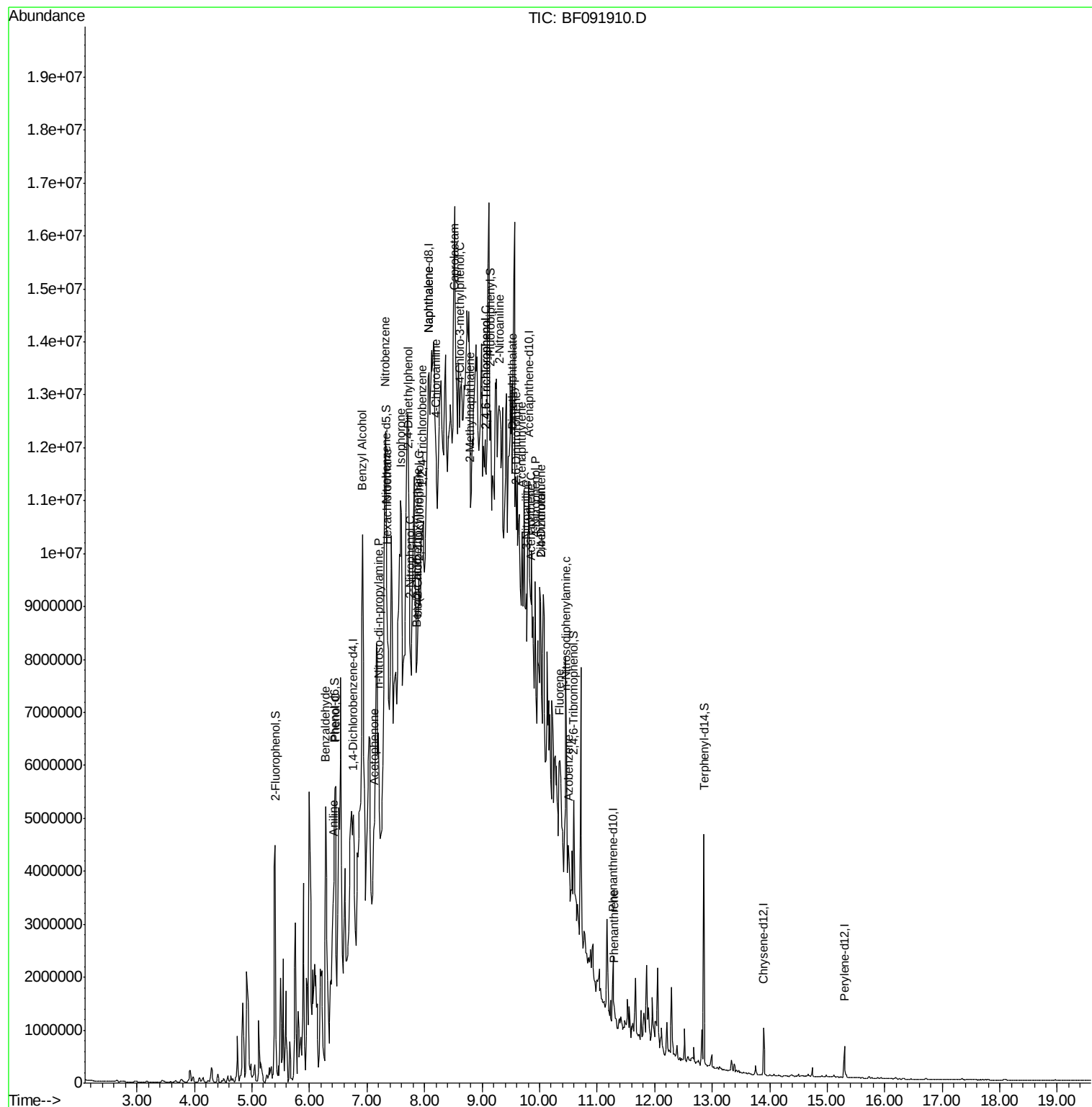
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Phenanthrene	11.30	178	125036	3.93	ng	# 92
71) Anthracene	11.38	178	12198	Below Cal	#	1
73) Di-n-butylphthalate	11.84	149	19136	Below Cal	#	60
74) Fluoranthene	12.48	202	12941	Below Cal		90
76) Benzidine	12.58	184	1311	Below Cal	#	1

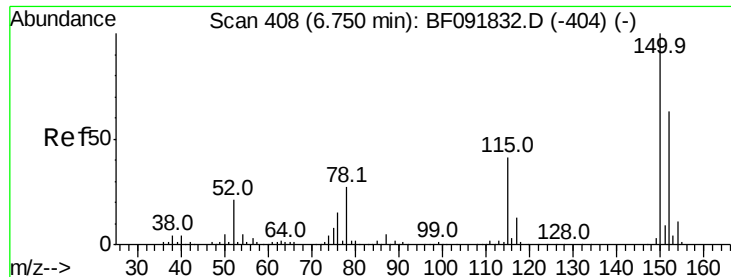
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 21 16:17:51 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampleId :

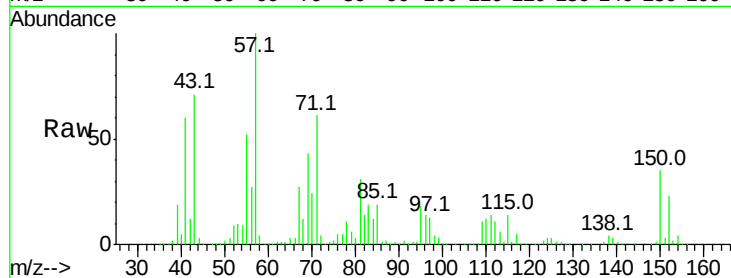
Tot Ion:152 Resp: 168670

Ion Ratio Lower Upper

152 100

150 154.6 124.9 187.3

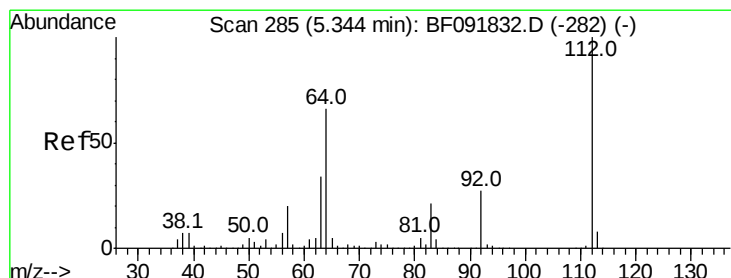
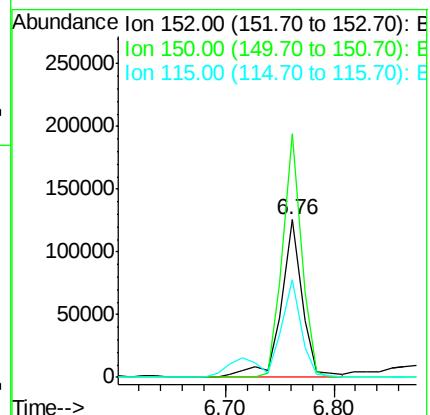
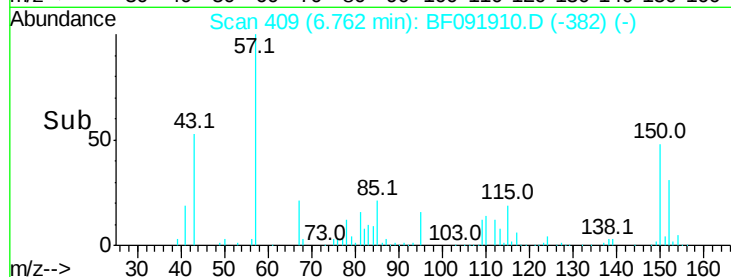
115 62.1 46.0 69.0



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: 175.35 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

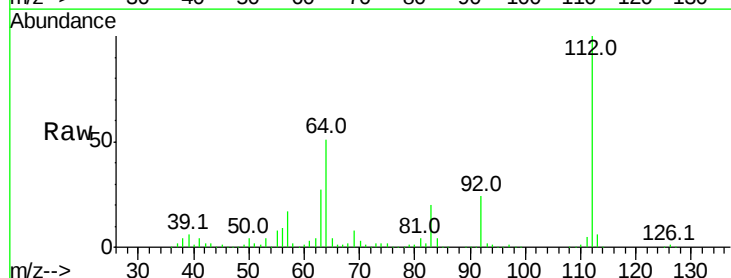
Tgt Ion:112 Resp: 1771334

Ion Ratio Lower Upper

112 100

64 50.7 46.1 69.1

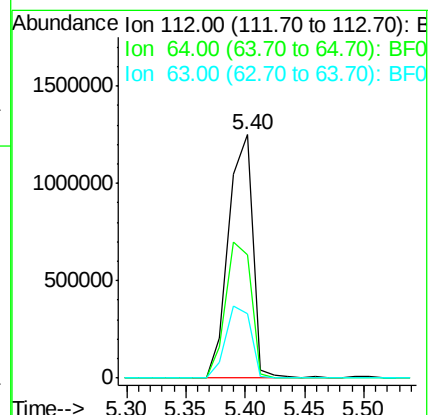
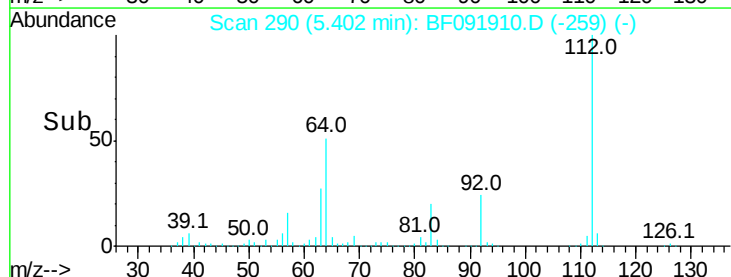
63 26.7 23.8 35.6

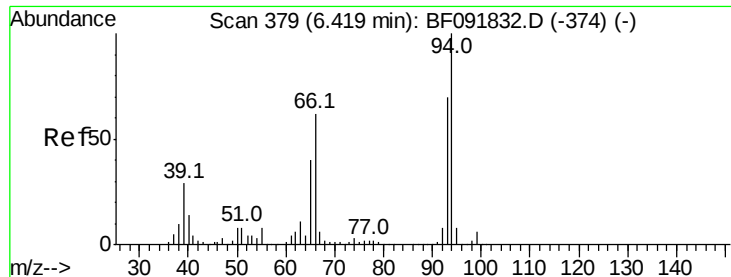


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.04 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampleId :

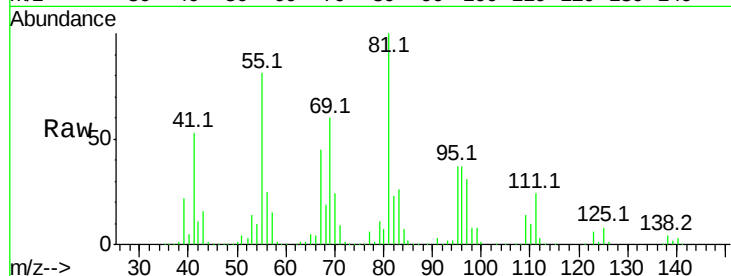
Tot Ion: 93 Resp: 32741

Ion Ratio Lower Upper

93 100

66 167.9 76.2 114.2#

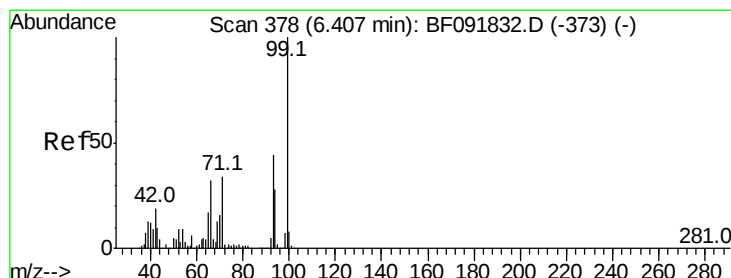
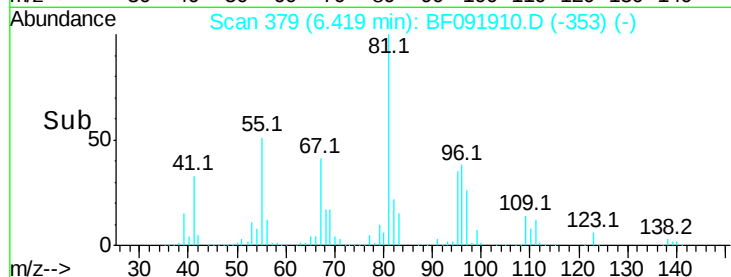
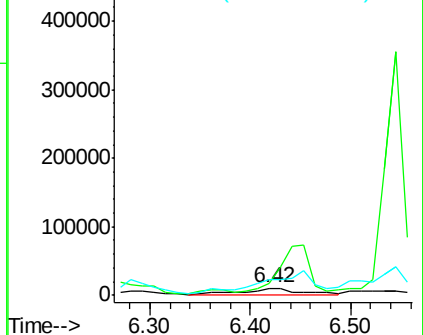
65 218.1 49.3 73.9#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 168.60 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.03 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

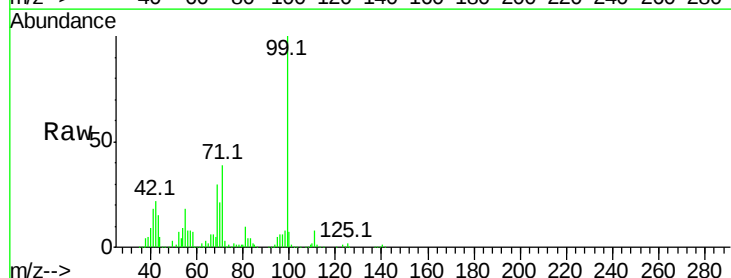
Tgt Ion: 99 Resp: 2079424

Ion Ratio Lower Upper

99 100

42 22.0 15.6 23.4

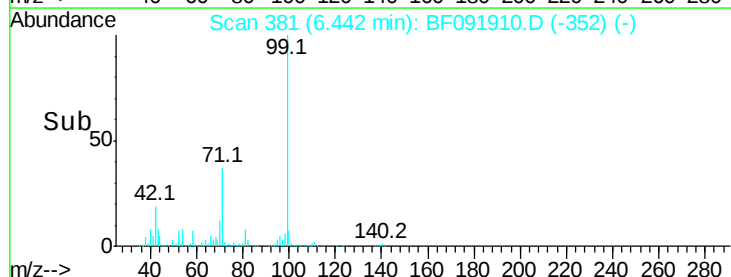
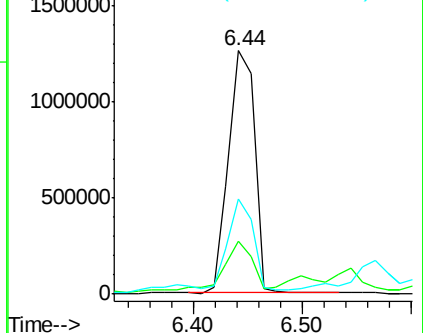
71 39.2 27.5 41.3

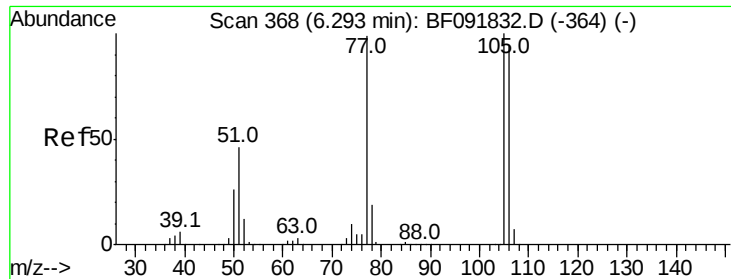


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

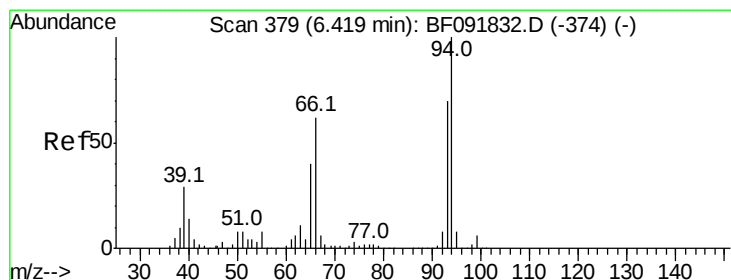
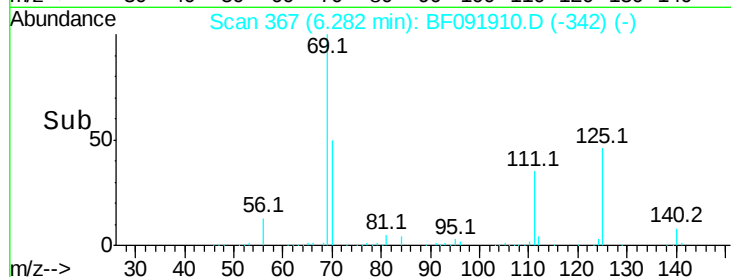
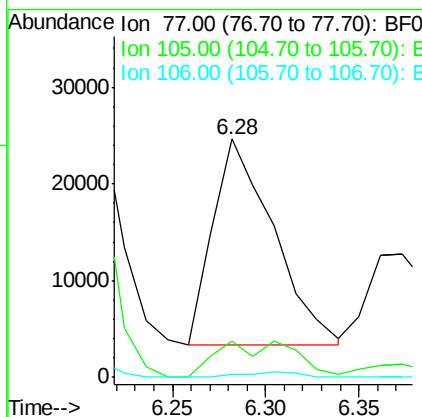
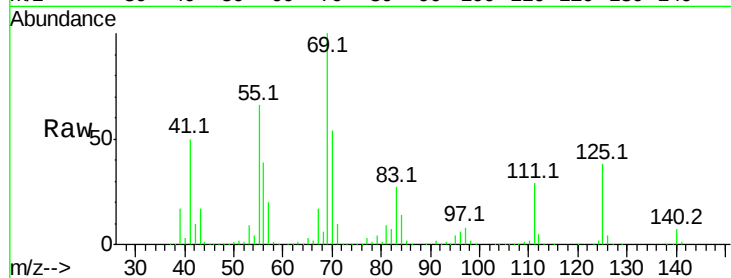




#9
Benzaldehyde
Concen: 5.05 ng
RT: 6.28 min Scan# 367
Delta R.T. -0.01 min
Lab File: BF091910.D
Acq: 23 Dec 2016 7:22

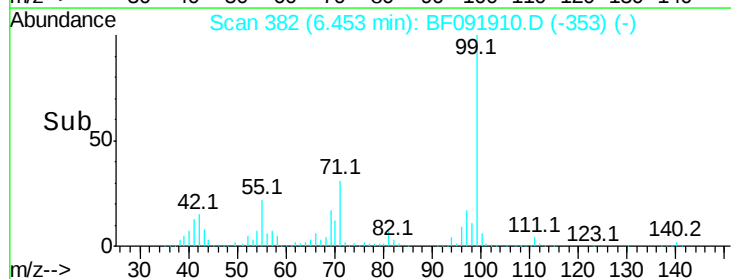
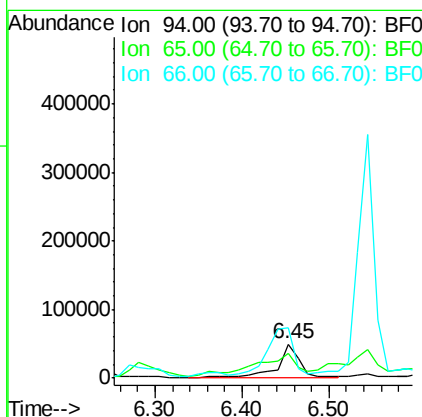
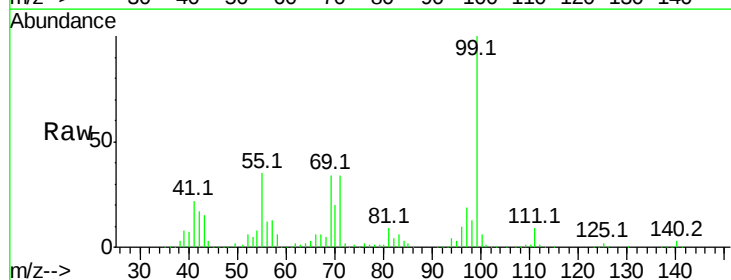
Instrument :
BNA_F
ClientSampleId :

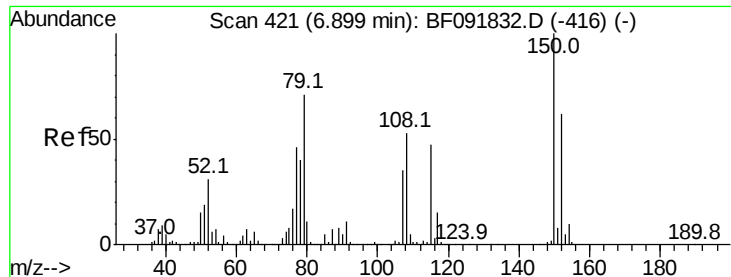
Tot Ion: 77 Resp: 48149
Ion Ratio Lower Upper
77 100
105 15.1 83.9 123.9#
106 1.5 77.6 117.6#



#10
Phenol
Concen: 6.33 ng
RT: 6.45 min Scan# 382
Delta R.T. 0.03 min
Lab File: BF091910.D
Acq: 23 Dec 2016 7:22

Tgt Ion: 94 Resp: 88919
Ion Ratio Lower Upper
94 100
65 73.8 21.4 61.4#
66 150.0 44.0 84.0#





#15

Benzyl Alcohol

Concen: 8.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.02 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampled :

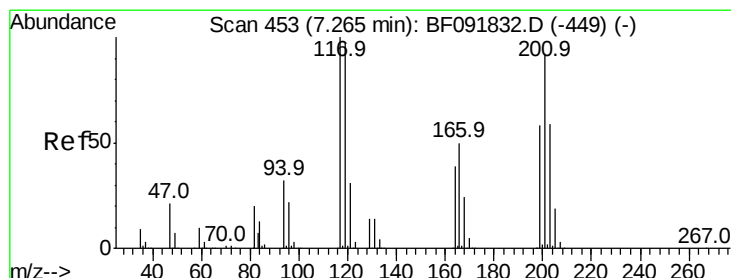
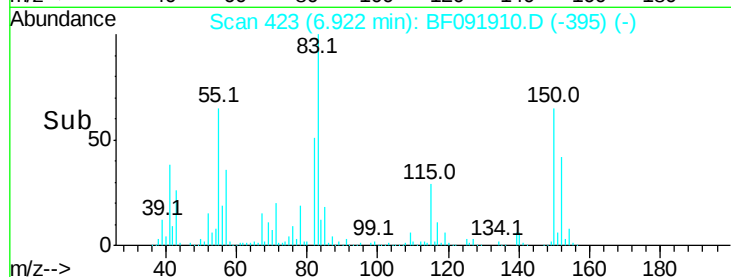
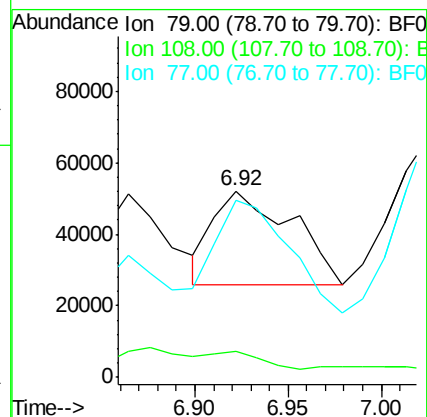
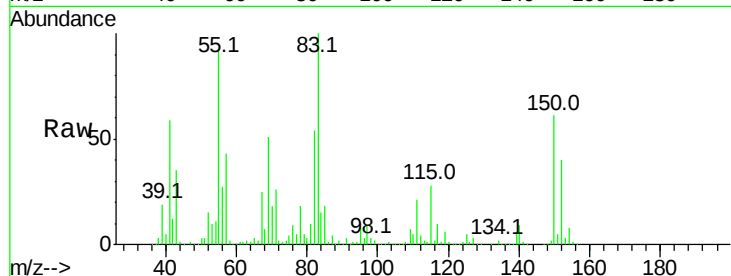
Tot Ion: 79 Resp: 76635

Ion Ratio Lower Upper

79 100

108 13.9 61.4 92.0#

77 95.3 50.9 76.3#



#18

Hexachloroethane

Concen: 261.99 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.08 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

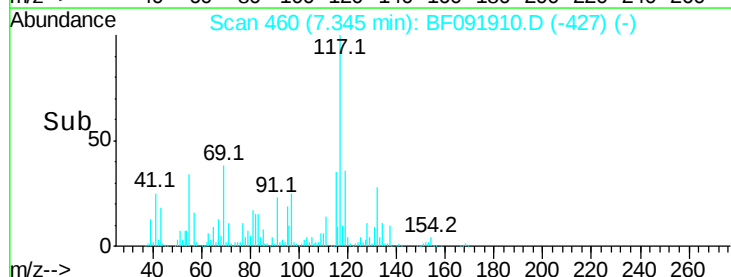
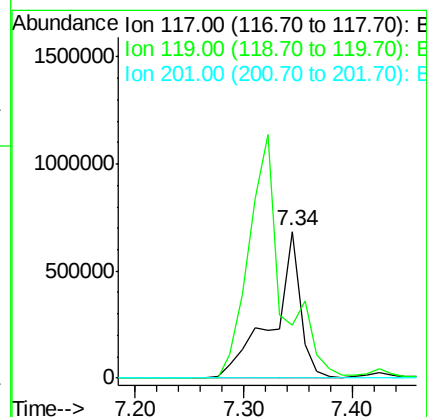
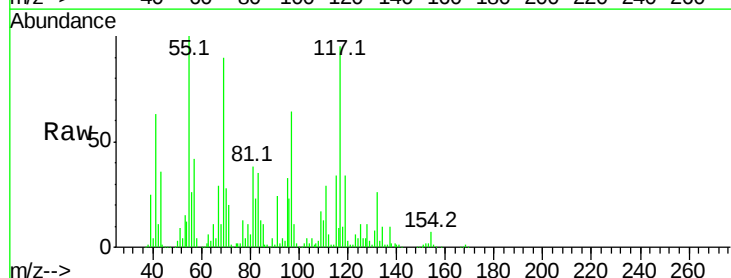
Tgt Ion: 117 Resp: 1212697

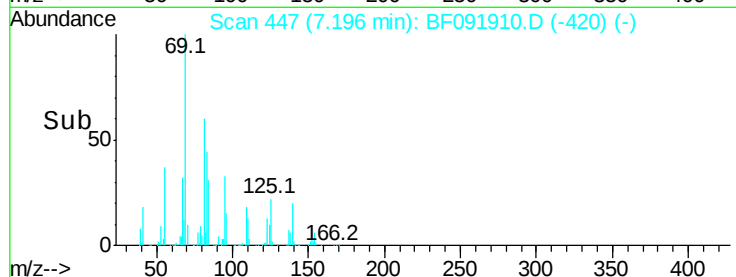
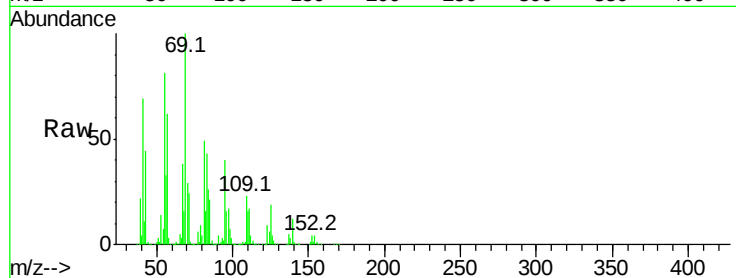
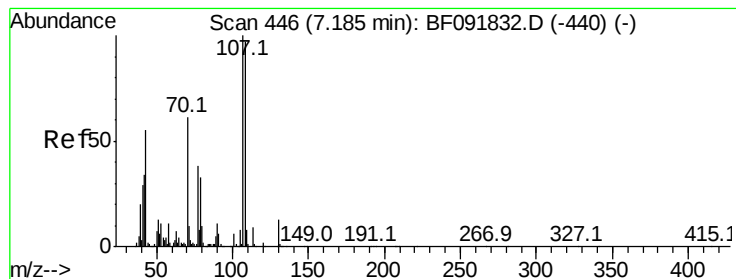
Ion Ratio Lower Upper

117 100

119 36.1 78.1 117.1#

201 0.0 78.6 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 24.23 ng

RT: 7.20 min Scan# 447

Delta R.T. 0.01 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 198805

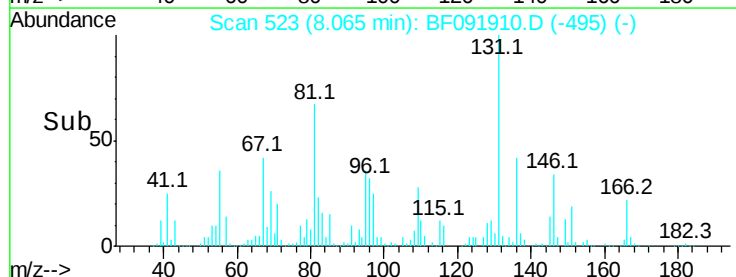
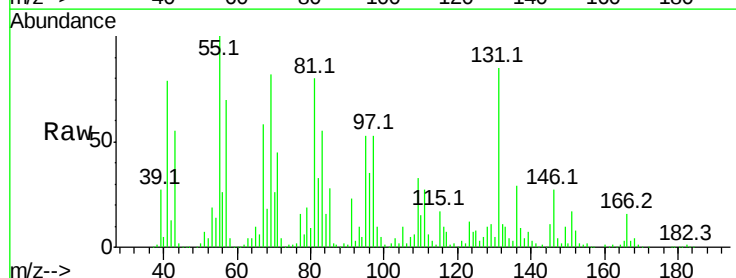
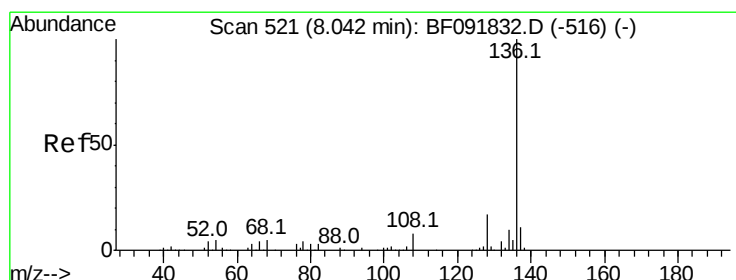
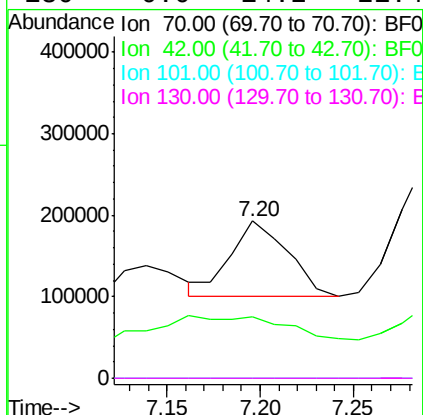
Ion Ratio Lower Upper

70 100

42 39.2 49.4 74.0#

101 0.2 7.4 11.2#

130 0.0 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.02 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Tgt Ion: 136 Resp: 505409

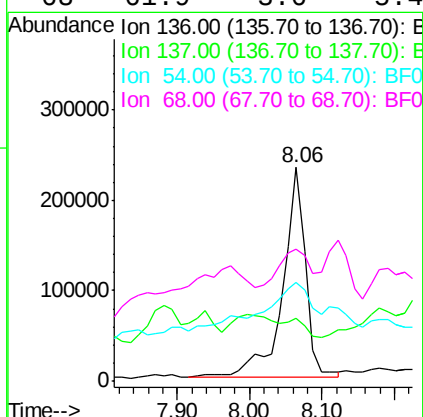
Ion Ratio Lower Upper

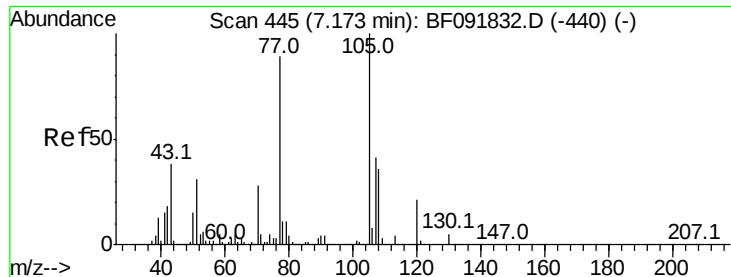
136 100

137 29.6 8.4 12.6#

54 45.9 4.5 6.7#

68 61.9 3.6 5.4#





#22

Acetophenone

Concen: 31.44 ng

RT: 7.12 min Scan# 440

Delta R.T. -0.06 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 391916

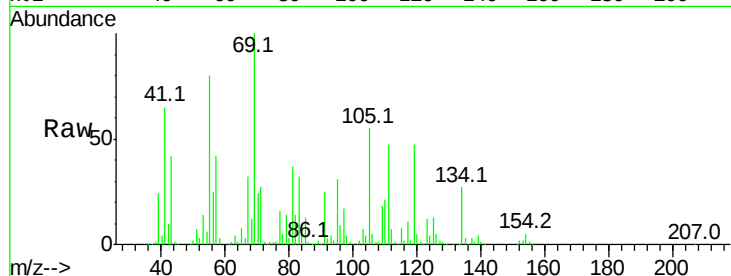
Ion Ratio Lower Upper

105 100

71 49.4 3.2 4.8#

51 13.2 26.2 39.4#

120 8.4 16.6 24.8#

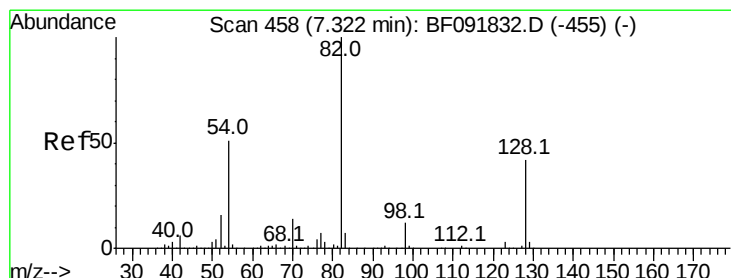
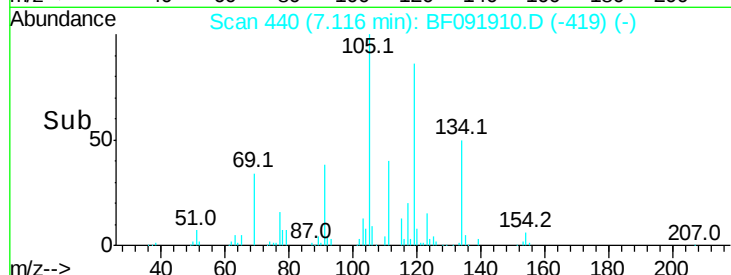
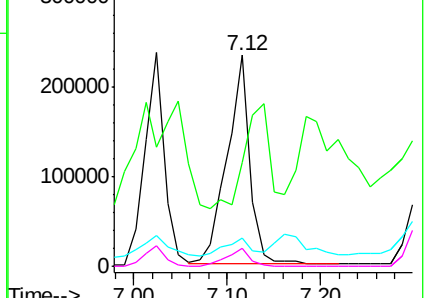


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 129.40 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.01 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

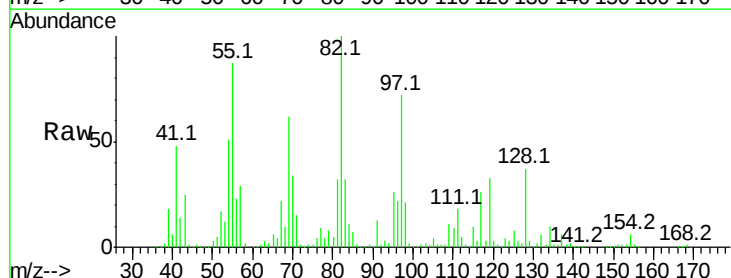
Tgt Ion: 82 Resp: 1176175

Ion Ratio Lower Upper

82 100

128 37.5 34.6 52.0

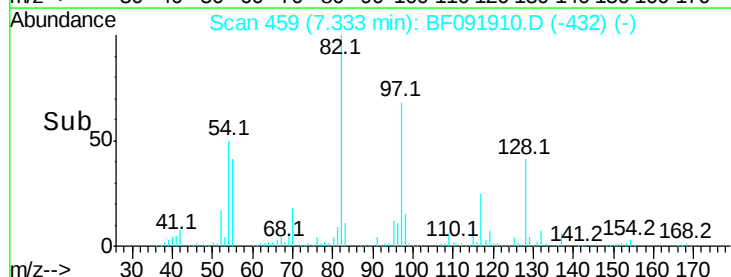
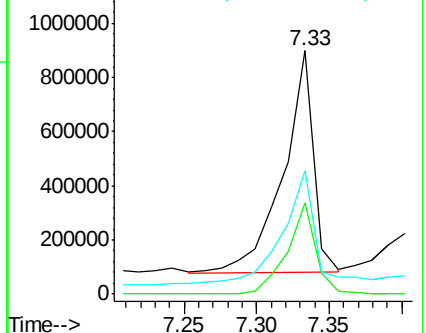
54 50.6 39.5 59.3

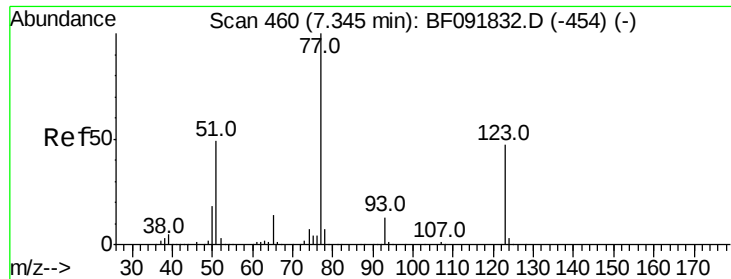


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 38.59 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampleId :

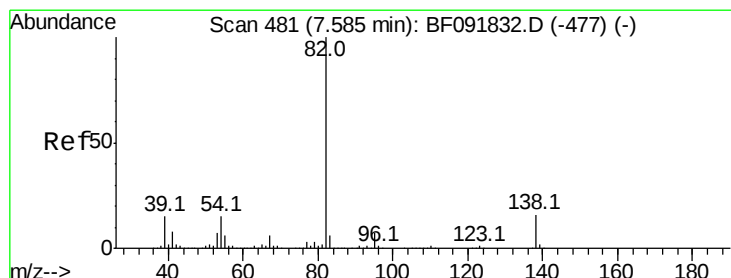
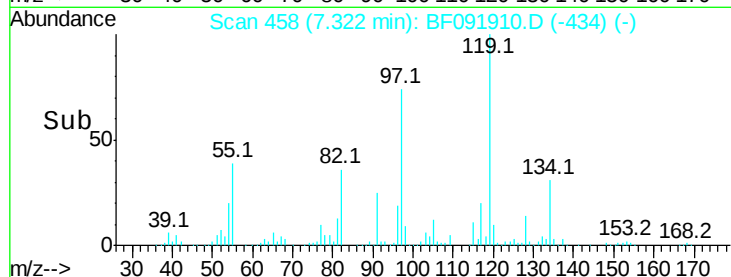
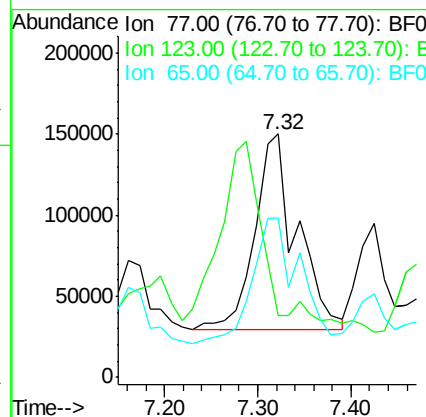
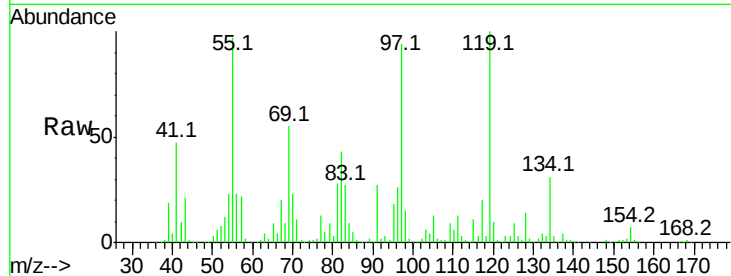
Tot Ion: 77 Resp: 373578

Ion Ratio Lower Upper

77 100

123 25.2 33.0 49.4#

65 65.3 11.2 16.8#



#25

Isophorone

Concen: 39.55 ng

RT: 7.60 min Scan# 482

Delta R.T. 0.01 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

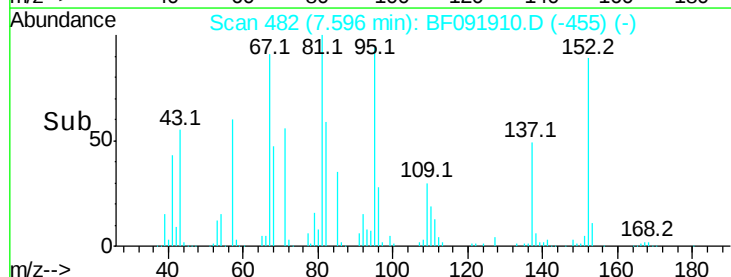
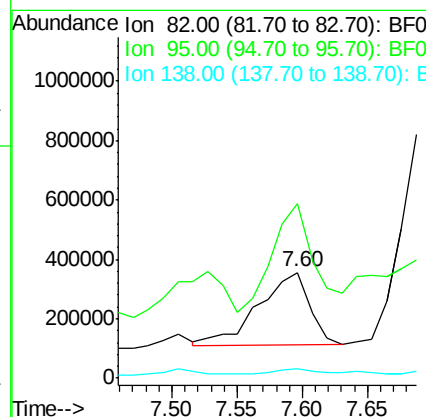
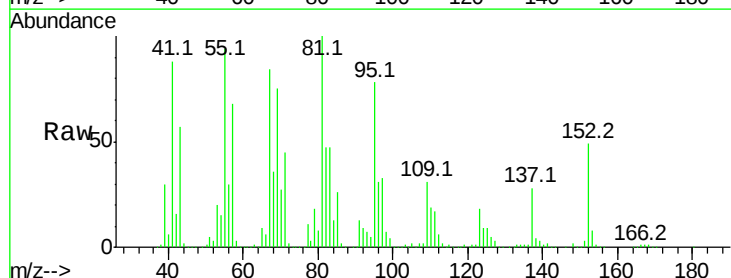
Tgt Ion: 82 Resp: 663166

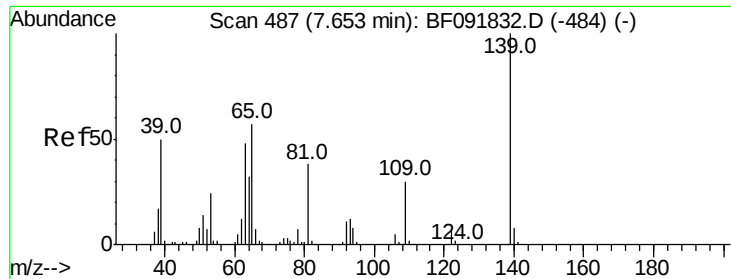
Ion Ratio Lower Upper

82 100

95 165.0 5.6 8.4#

138 8.9 14.6 22.0#





#26

2-Nitrophenol

Concen: 32.11 ng

RT: 7.74 min Scan# 495

Delta R.T. 0.09 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampleId :

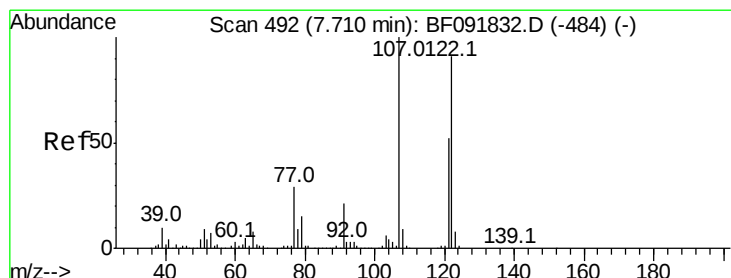
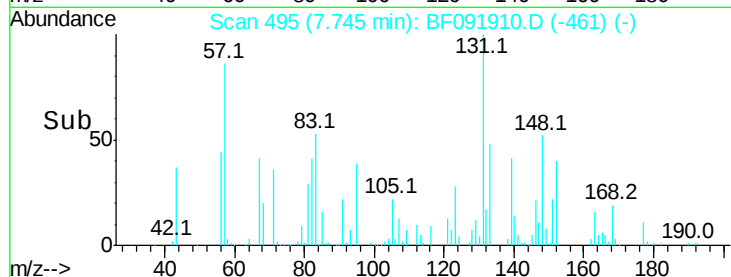
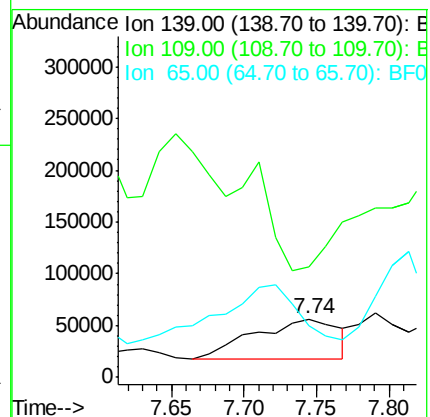
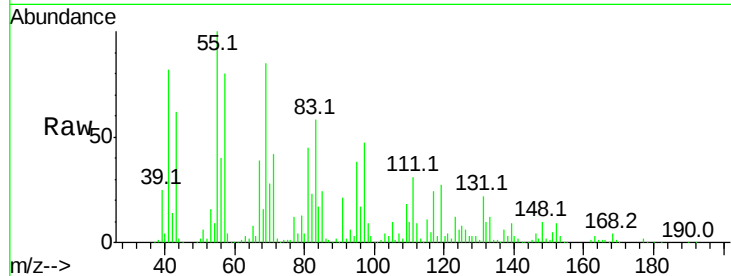
Tot Ion:139 Resp: 153302

Ion Ratio Lower Upper

139 100

109 189.4 23.3 34.9#

65 87.9 42.7 64.1#



#27

2,4-Dimethylphenol

Concen: 11.98 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.01 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

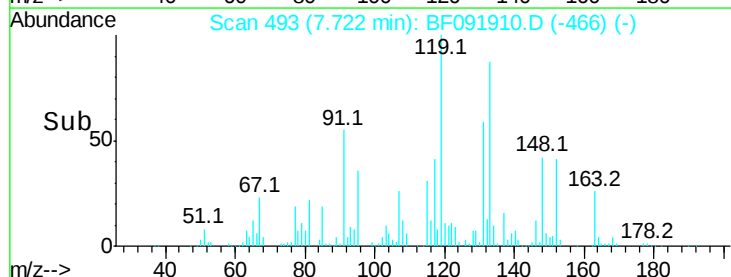
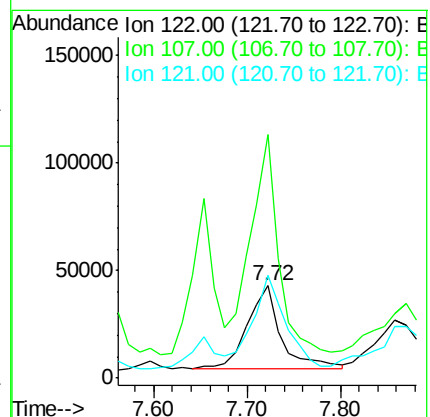
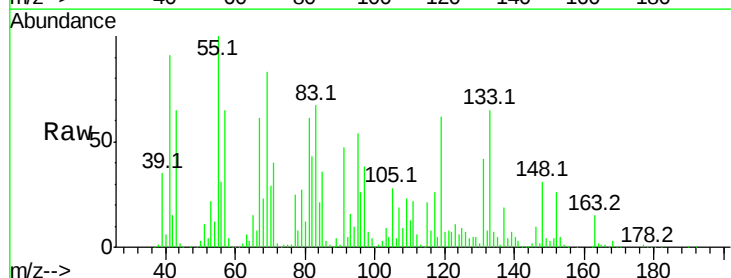
Tgt Ion:122 Resp: 94827

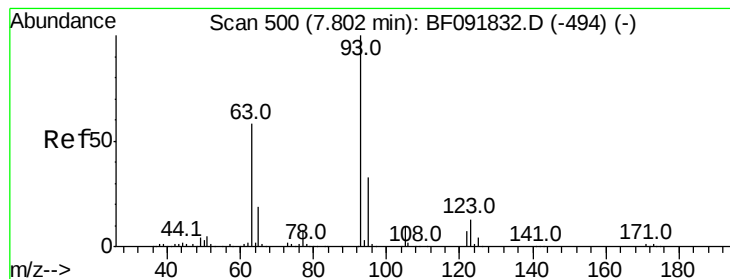
Ion Ratio Lower Upper

122 100

107 264.2 94.1 141.1#

121 111.4 46.0 69.0#





#28

bis(2-Chloroethoxy)methane

Concen: 13.45 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.07 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampleId :

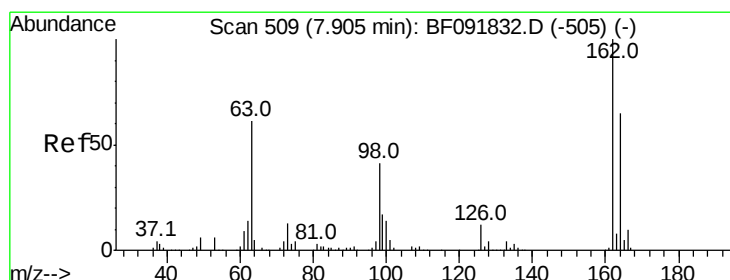
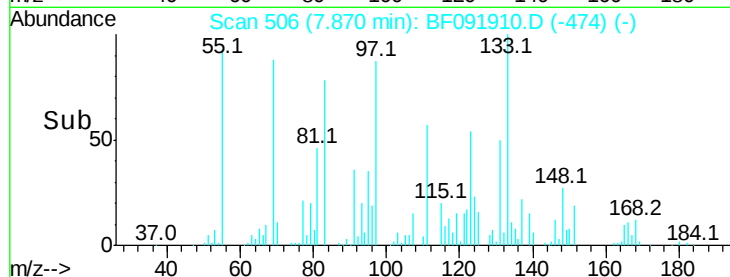
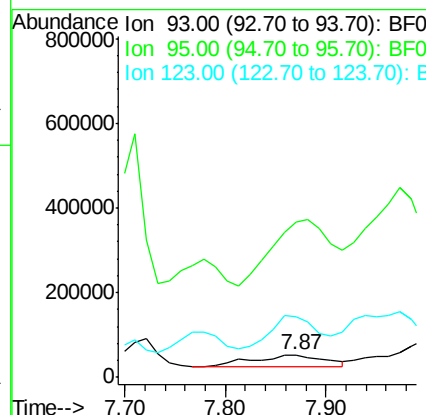
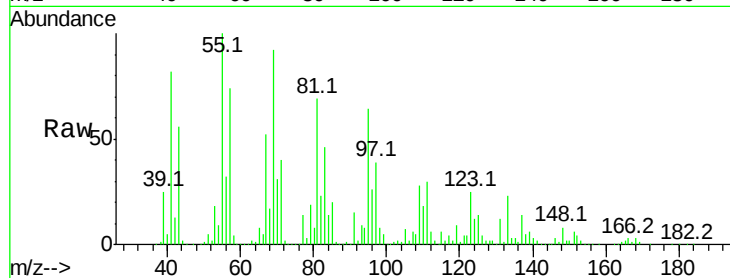
Tot Ion: 93 Resp: 136803

Ion Ratio Lower Upper

93 100

95 693.2 26.5 39.7#

123 270.2 8.6 13.0#



#29

2,4-Dichlorophenol

Concen: 9.79 ng

RT: 7.92 min Scan# 510

Delta R.T. 0.01 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

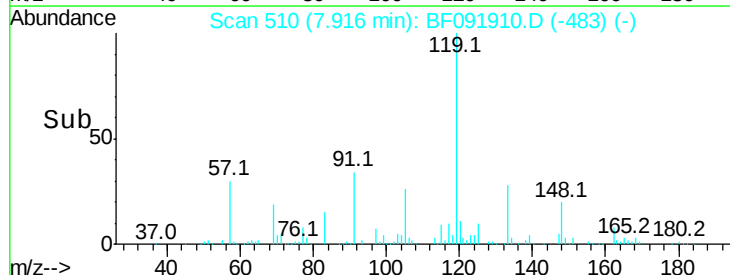
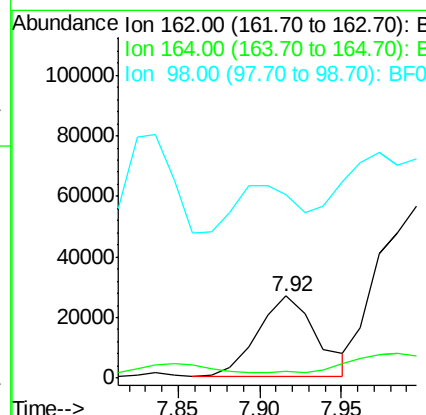
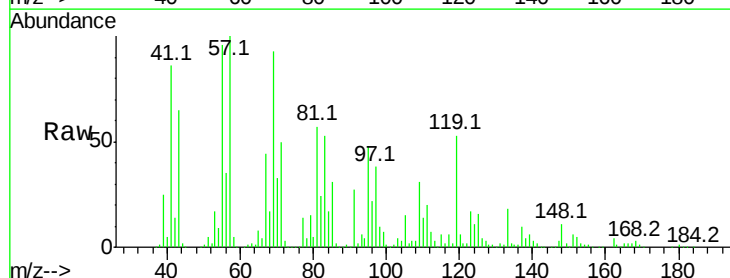
Tgt Ion: 162 Resp: 65644

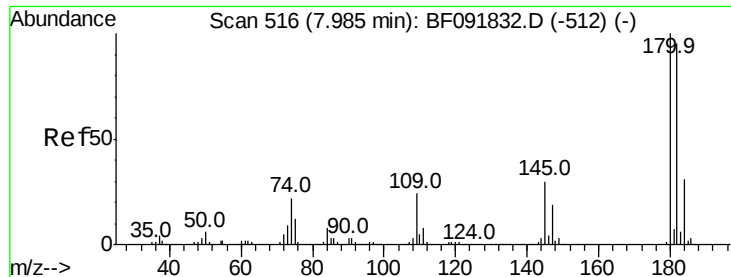
Ion Ratio Lower Upper

162 100

164 8.1 46.8 86.8#

98 223.7 9.1 49.1#

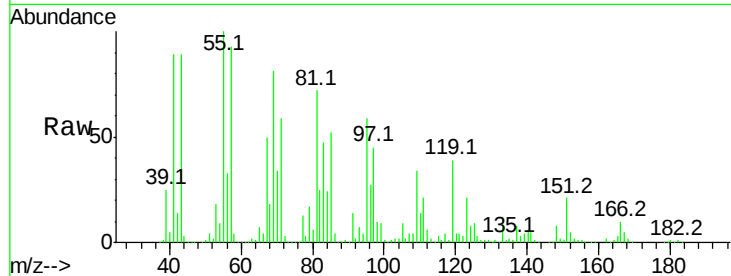




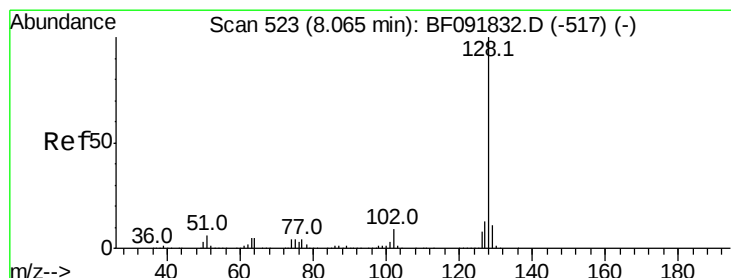
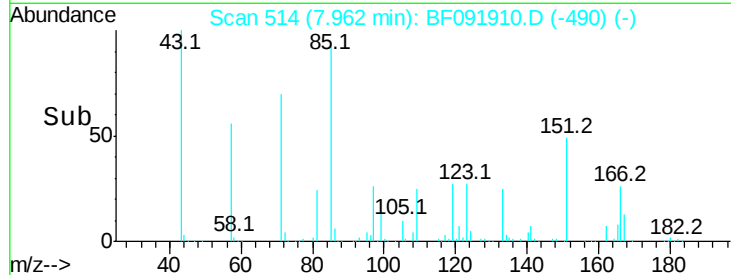
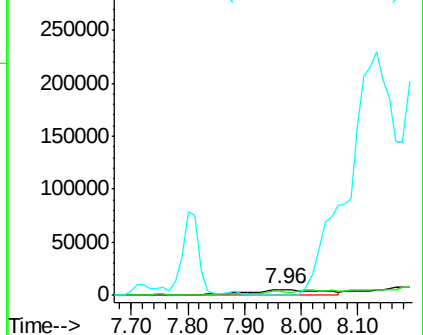
#30
 1,2,4-Trichlorobenzene
 Concen: 5.52 ng
 RT: 7.96 min Scan# 514
 Delta R.T. -0.02 min
 Lab File: BF091910.D
 Acq: 23 Dec 2016 7:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:180 Resp: 40560
 Ion Ratio Lower Upper
 180 100
 182 71.9 78.2 117.4#
 145 0.0 21.6 32.4#

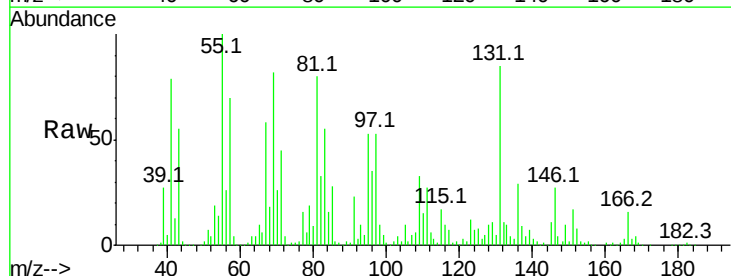


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

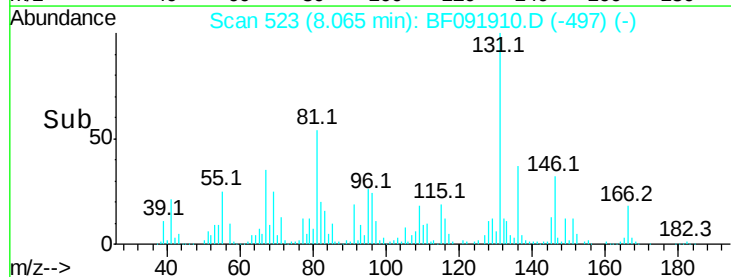
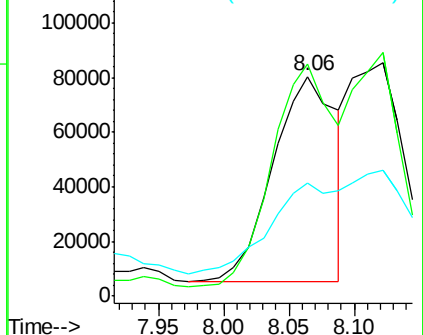


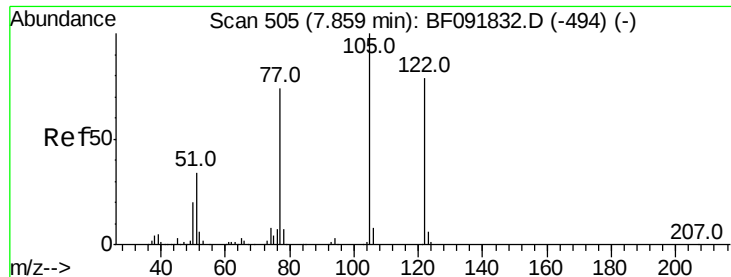
#31
 Naphthalene
 Concen: 10.91 ng
 RT: 8.06 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF091910.D
 Acq: 23 Dec 2016 7:22

Tgt Ion:128 Resp: 252347
 Ion Ratio Lower Upper
 128 100
 129 106.0 9.5 14.3#
 127 51.2 10.8 16.2#



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: 10.83 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.00 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampleId :

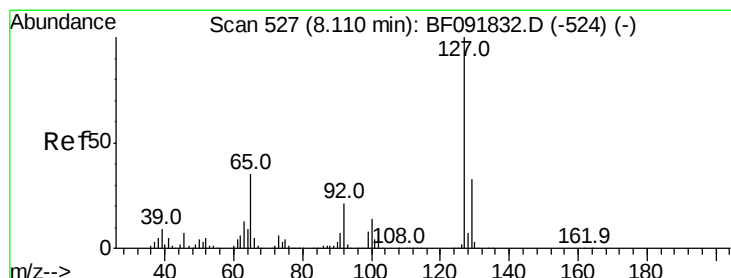
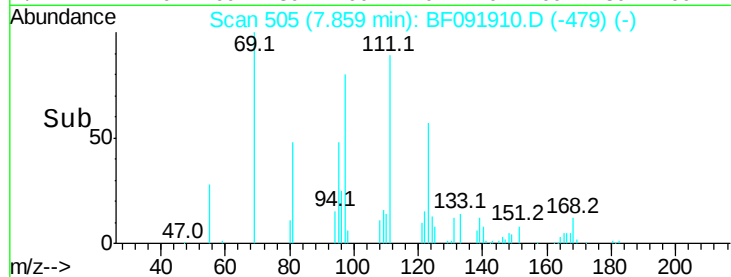
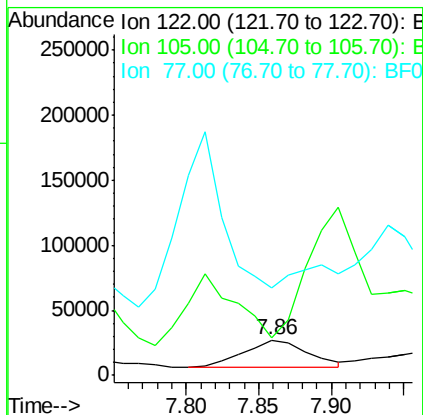
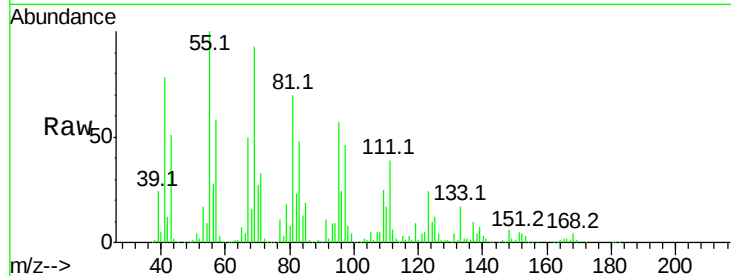
Tot Ion:122 Resp: 63579

Ion Ratio Lower Upper

122 100

105 108.0 107.2 147.2

77 246.8 74.5 114.5#



#33

4-Chloroaniline

Concen: 4.57 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.09 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Tgt Ion:127 Resp: 47696

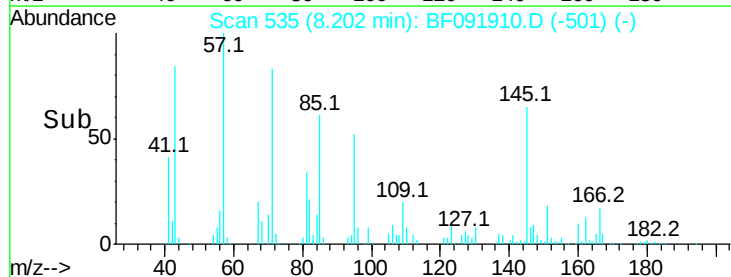
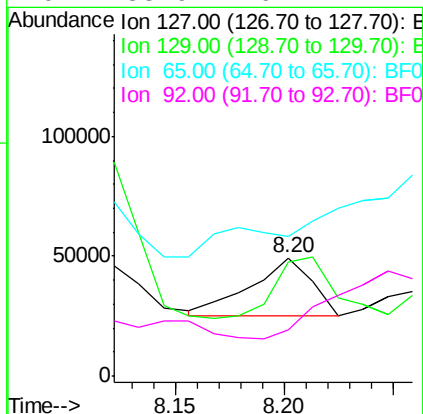
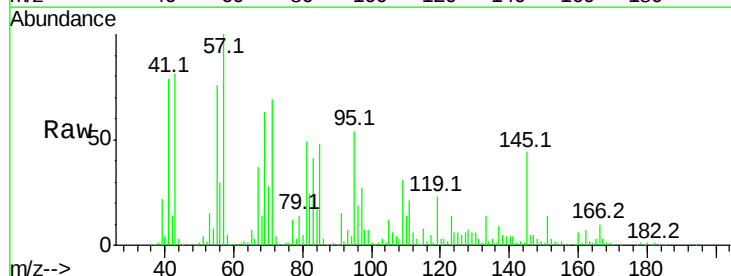
Ion Ratio Lower Upper

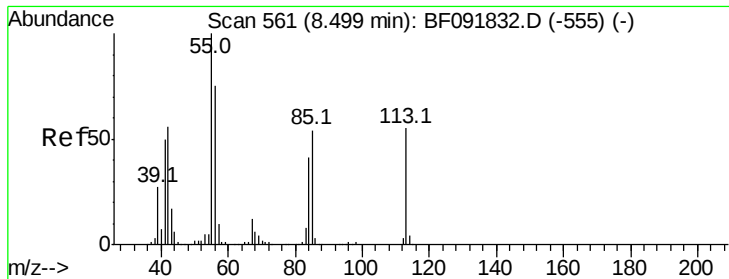
127 100

129 96.5 26.3 39.5#

65 118.5 25.8 38.8#

92 38.9 16.1 24.1#

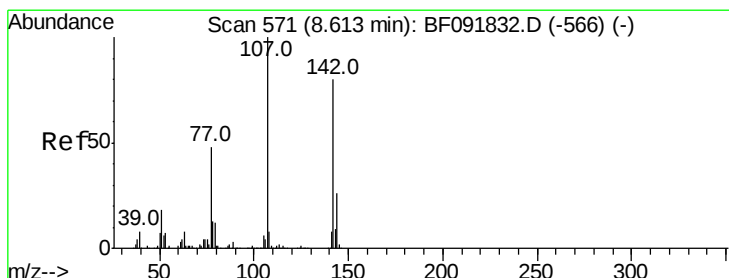
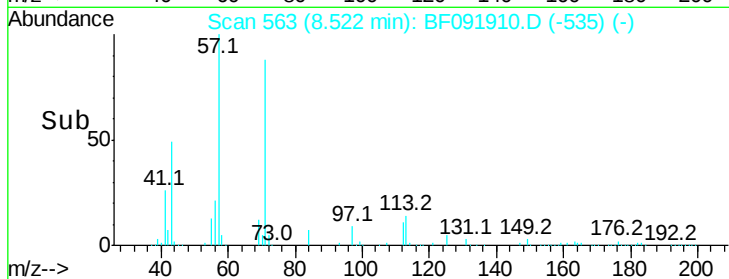
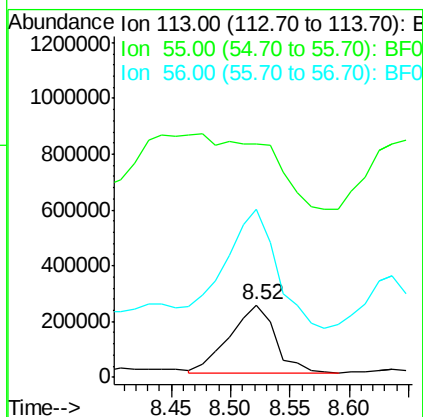
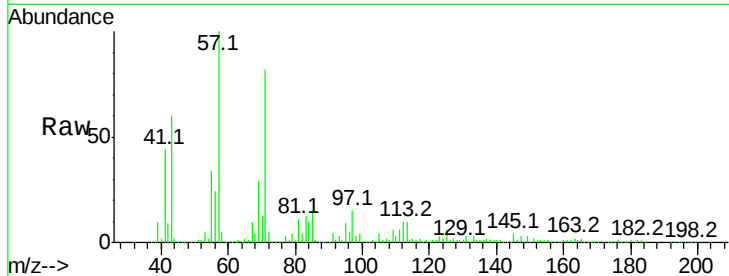




#35
 Caprolactam
 Concen: 296.75 ng
 RT: 8.52 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: BF091910.D
 Acq: 23 Dec 2016 7:22

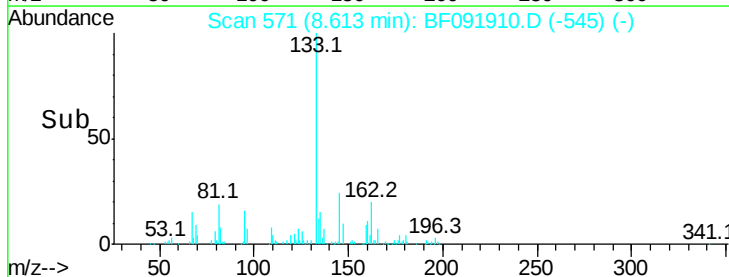
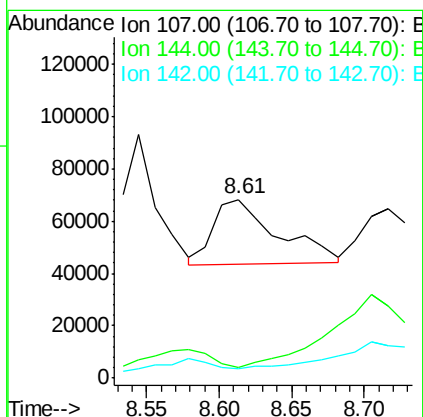
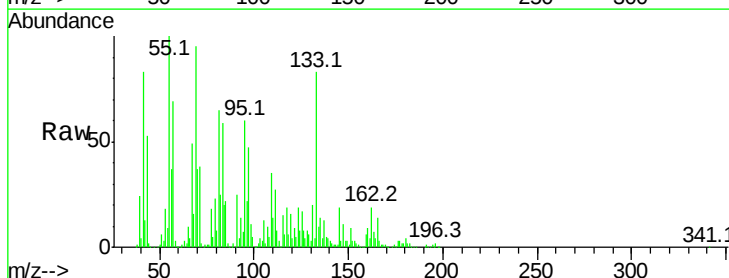
Instrument :
 BNA_F
 ClientSampled :

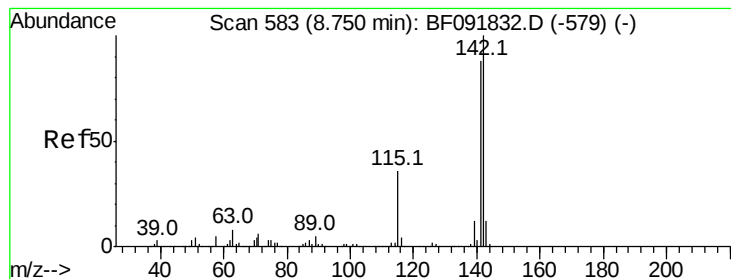
Tot Ion:113 Resp: 653838
 Ion Ratio Lower Upper
 113 100
 55 321.7 119.2 159.2#
 56 231.7 83.8 123.8#



#36
 4-Chloro-3-methylphenol
 Concen: 9.70 ng
 RT: 8.61 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: BF091910.D
 Acq: 23 Dec 2016 7:22

Tgt Ion:107 Resp: 74807
 Ion Ratio Lower Upper
 107 100
 144 6.3 19.3 28.9#
 142 5.6 59.0 88.6#





#37

2-Methylnaphthalene

Concen: 18.89 ng

RT: 8.80 min Scan# 587

Delta R.T. 0.05 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampled :

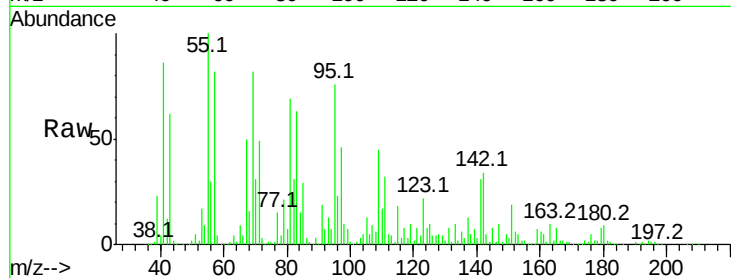
Tot Ion:142 Resp: 322622

Ion Ratio Lower Upper

142 100

141 91.1 71.0 106.6

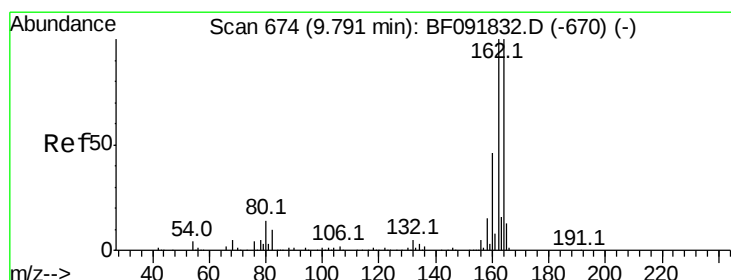
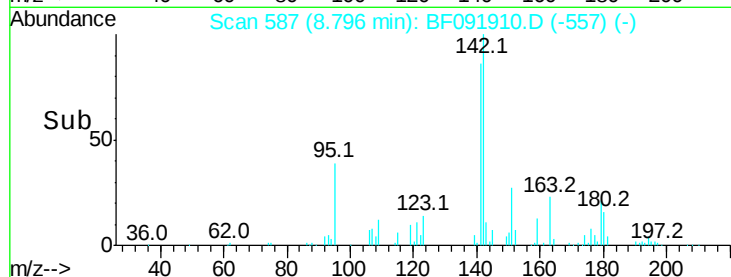
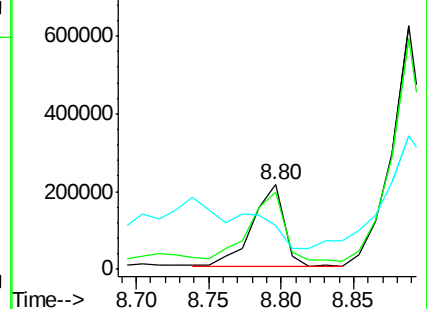
115 52.3 28.3 42.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. 0.02 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

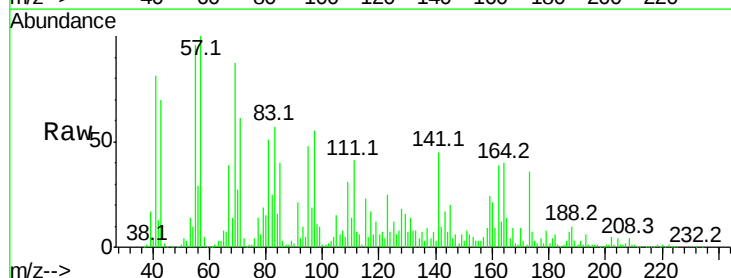
Tgt Ion:164 Resp: 273265

Ion Ratio Lower Upper

164 100

162 97.5 80.2 120.2

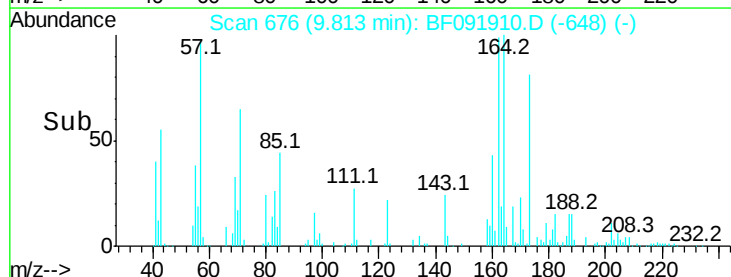
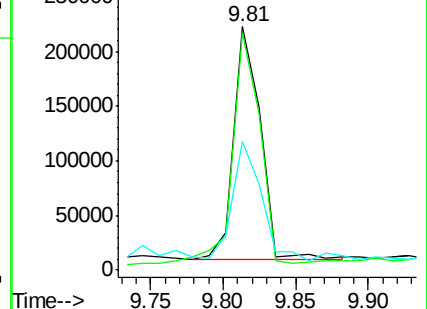
160 52.8 36.9 55.3

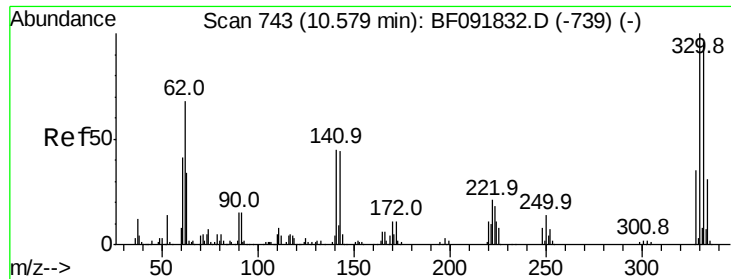


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

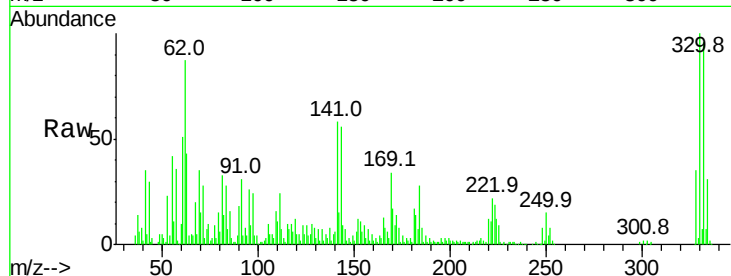




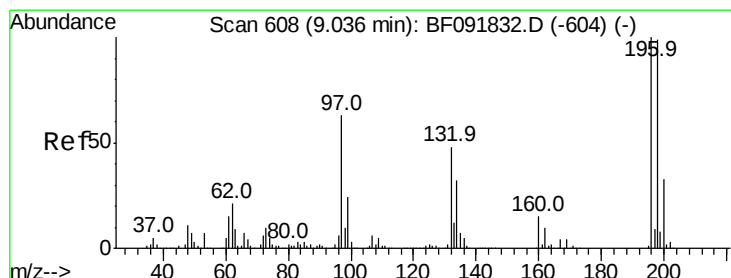
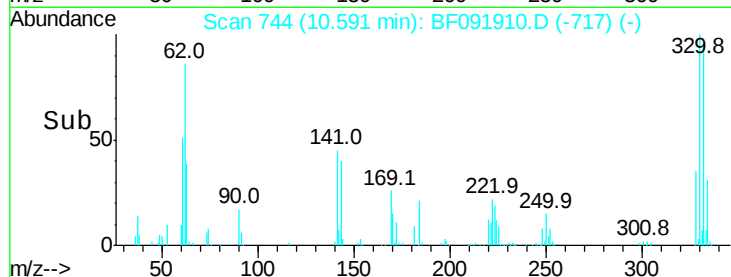
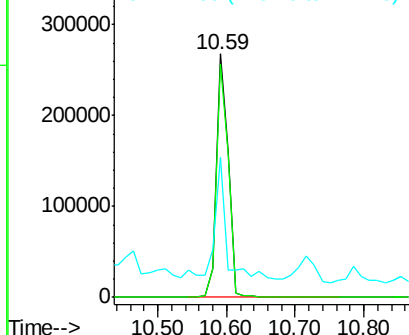
#41
 2,4,6-Tribromophenol
 Concen: 144.02 ng
 RT: 10.59 min Scan# 744
 Delta R.T. 0.01 min
 Lab File: BF091910.D
 Acq: 23 Dec 2016 7:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 325688
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 49.5 34.1 51.1

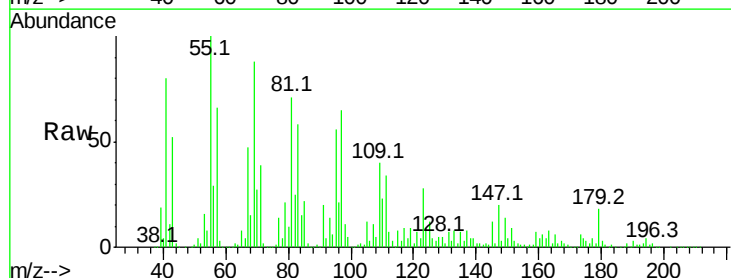


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

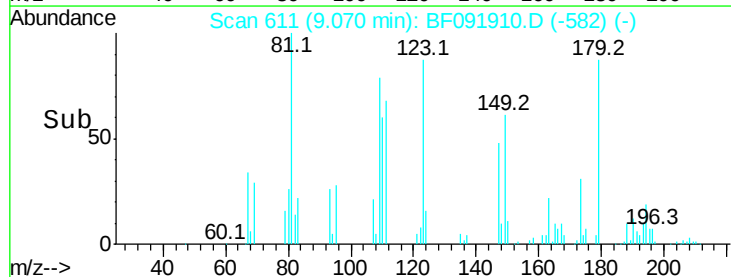
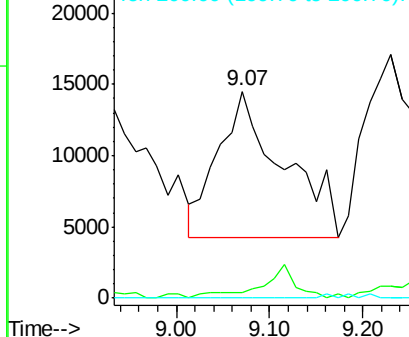


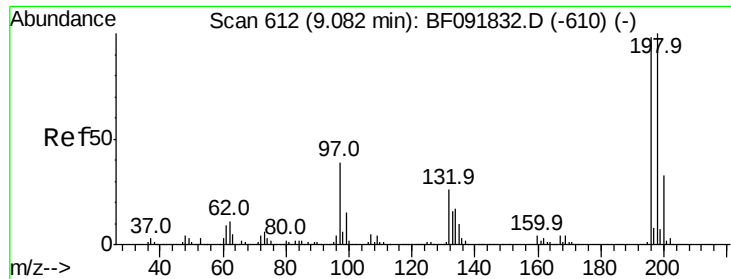
#42
 2,4,6-Trichlorophenol
 Concen: 10.31 ng
 RT: 9.07 min Scan# 611
 Delta R.T. 0.03 min
 Lab File: BF091910.D
 Acq: 23 Dec 2016 7:22

Tgt Ion:196 Resp: 49772
 Ion Ratio Lower Upper
 196 100
 198 2.5 82.1 123.1#
 200 0.0 27.0 40.4#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

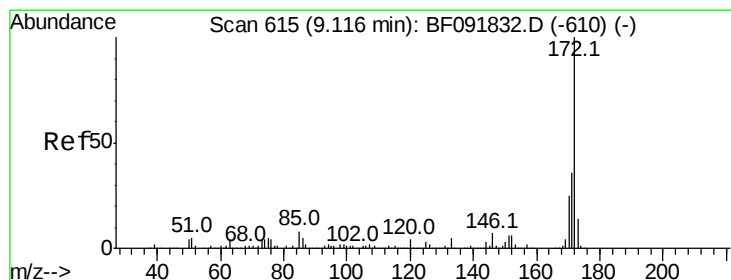
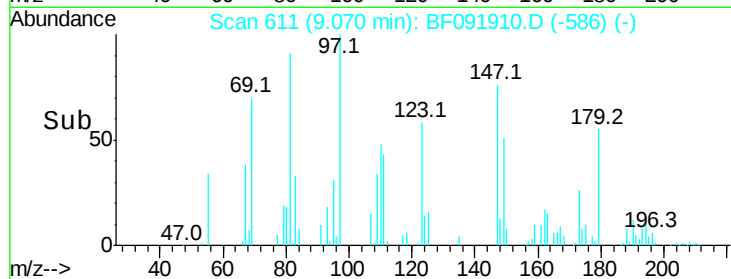
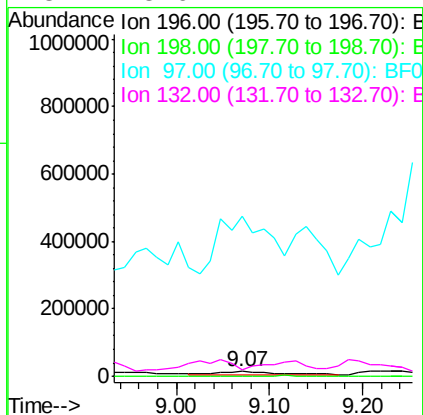
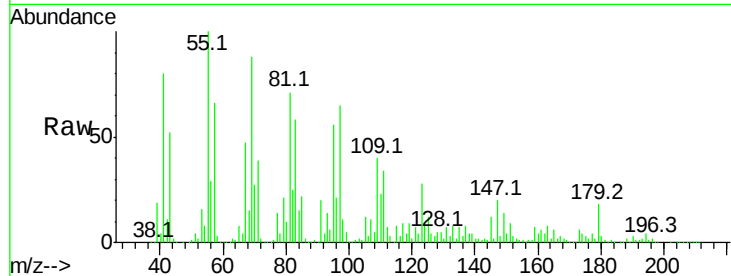




#43
 2,4,5-Trichlorophenol
 Concen: 10.02 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF091910.D
 Acq: 23 Dec 2016 7:22

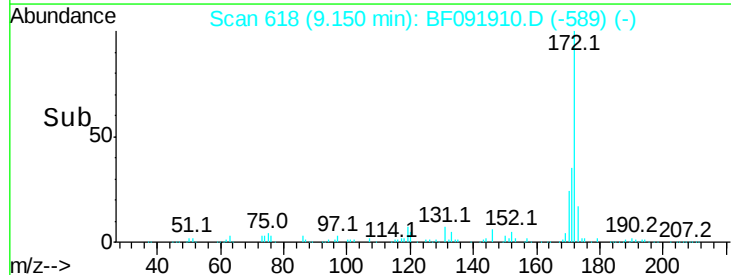
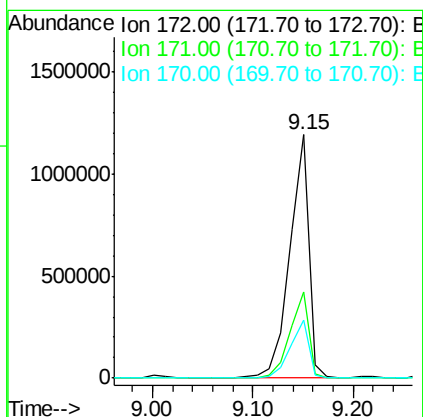
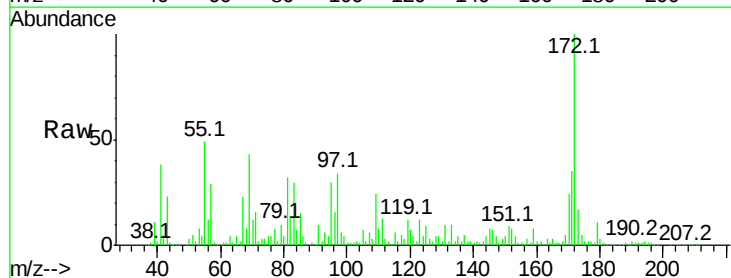
Instrument :
 BNA_F
 ClientSampled :

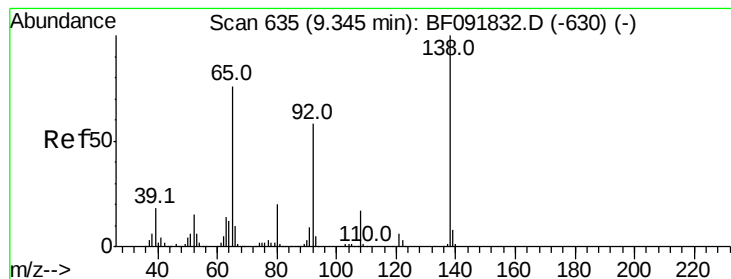
Tot Ion:196 Resp: 49772
 Ion Ratio Lower Upper
 196 100
 198 2.5 79.4 119.2#
 97 3270.6 51.5 77.3#
 132 128.6 27.4 41.2#



#44
 2-Fluorobiphenyl
 Concen: 122.93 ng
 RT: 9.15 min Scan# 618
 Delta R.T. 0.03 min
 Lab File: BF091910.D
 Acq: 23 Dec 2016 7:22

Tgt Ion:172 Resp: 1562718
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.4 44.0
 170 24.0 20.2 30.4





#47

2-Nitroaniline

Concen: 9.82 ng

RT: 9.30 min Scan# 631

Delta R.T. -0.05 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampleId :

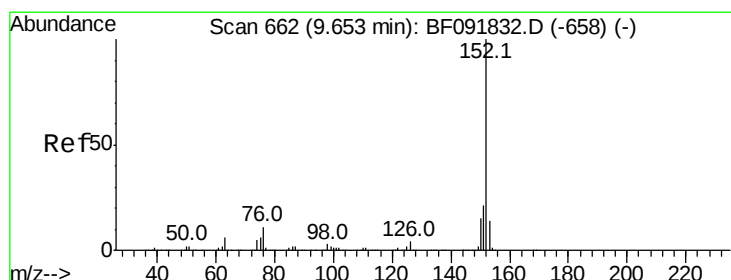
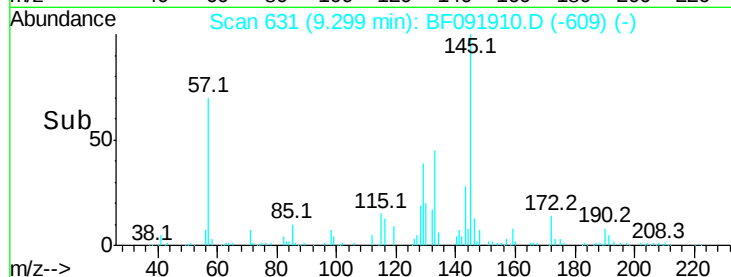
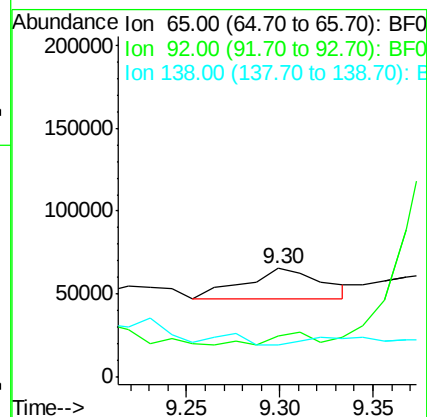
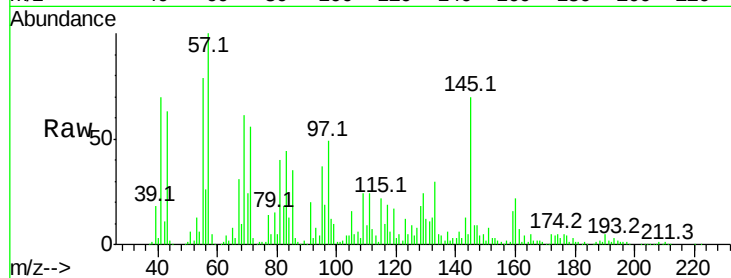
Tot Ion: 65 Resp: 51807

Ion Ratio Lower Upper

65 100

92 38.0 53.9 80.9#

138 29.9 76.8 115.2#



#48

Acenaphthylene

Concen: 2.52 ng

RT: 9.69 min Scan# 665

Delta R.T. 0.03 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

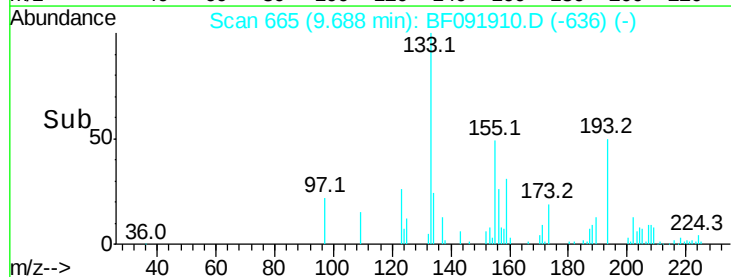
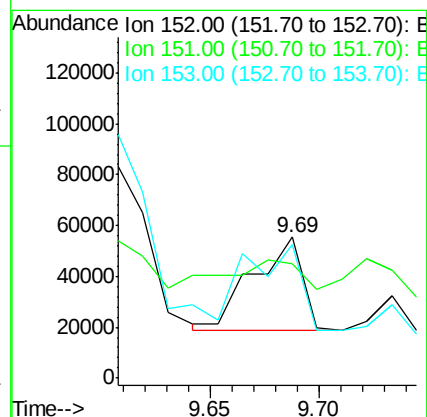
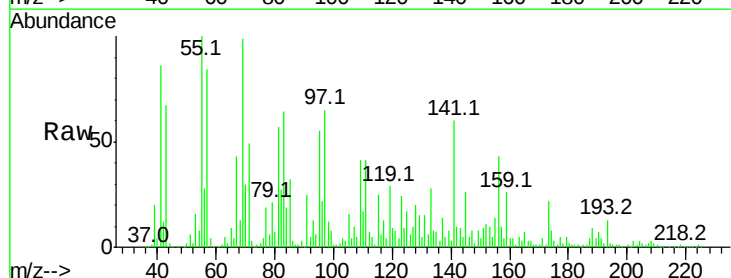
Tgt Ion: 152 Resp: 57511

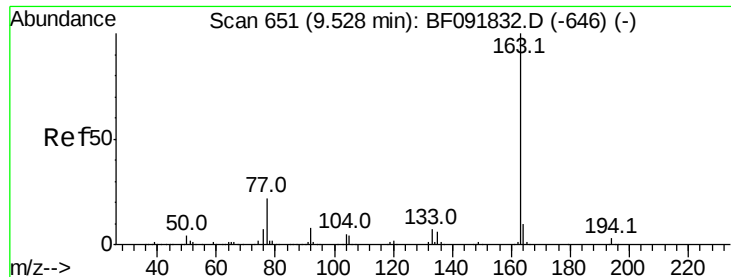
Ion Ratio Lower Upper

152 100

151 81.6 16.9 25.3#

153 95.1 11.4 17.2#

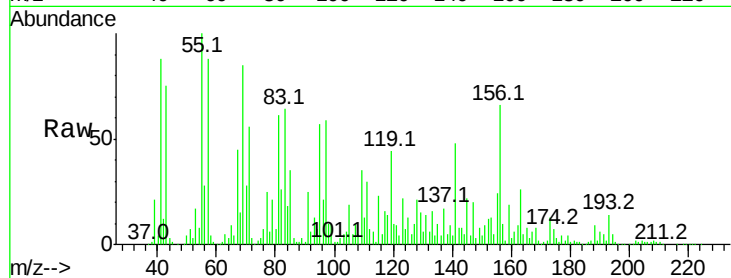




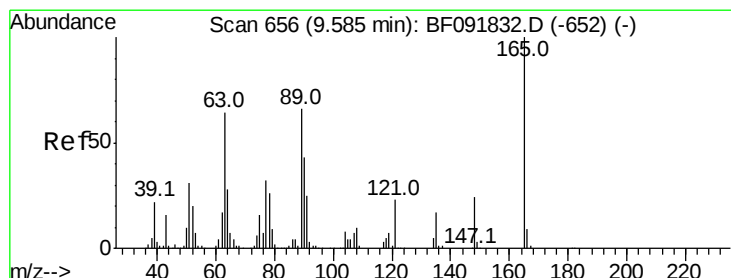
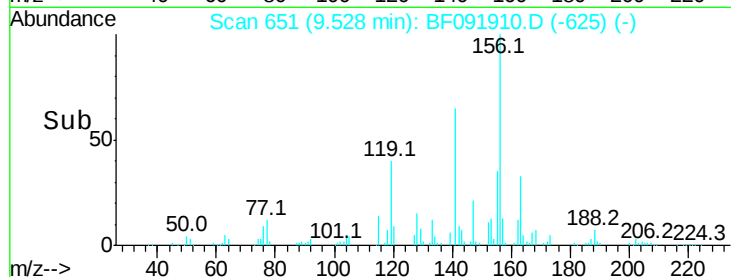
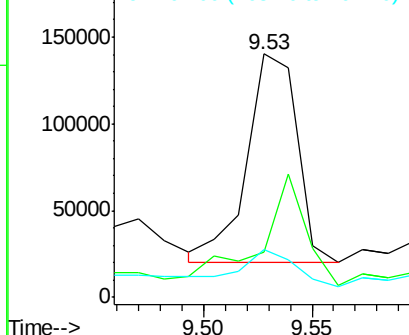
#49
Dimethylphthalate
Concen: 11.11 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF091910.D
Acq: 23 Dec 2016 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 194099
Ion Ratio Lower Upper
163 100
194 18.7 3.0 4.4#
164 19.8 8.0 12.0#

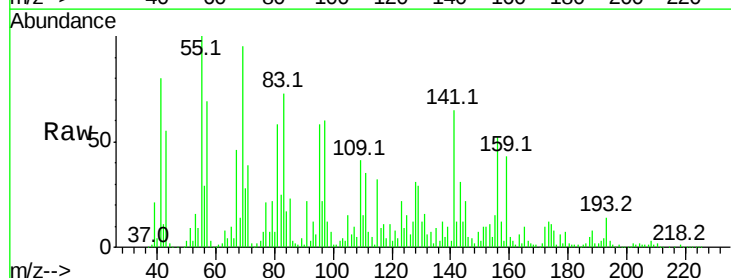


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

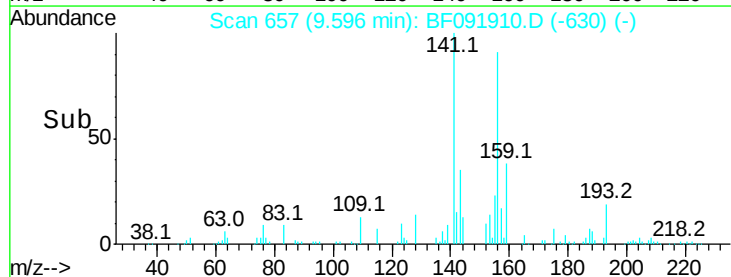
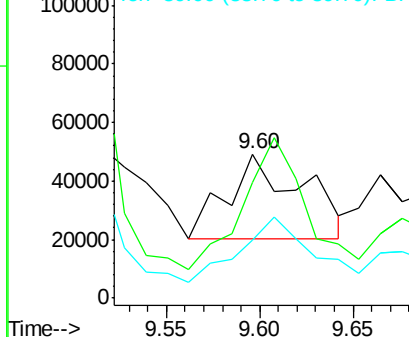


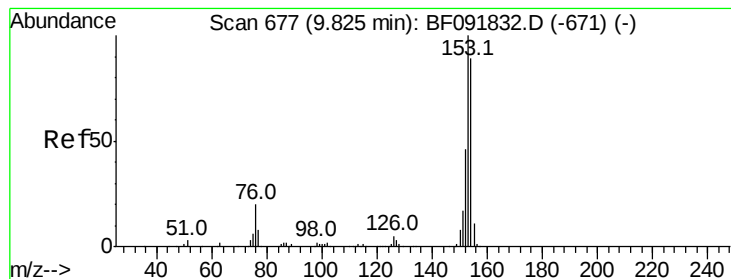
#50
2,6-Dinitrotoluene
Concen: 21.30 ng
RT: 9.60 min Scan# 657
Delta R.T. 0.01 min
Lab File: BF091910.D
Acq: 23 Dec 2016 7:22

Tgt Ion:165 Resp: 81496
Ion Ratio Lower Upper
165 100
63 80.4 36.2 54.4#
89 39.9 40.2 60.4#



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





#51

Acenaphthene

Concen: 4.37 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.02 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampled :

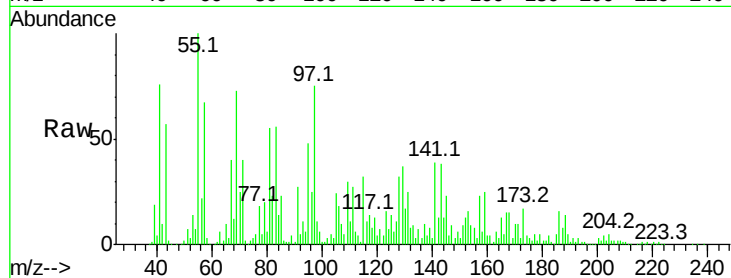
Tot Ion:154 Resp: 67488

Ion Ratio Lower Upper

154 100

153 166.6 88.6 133.0#

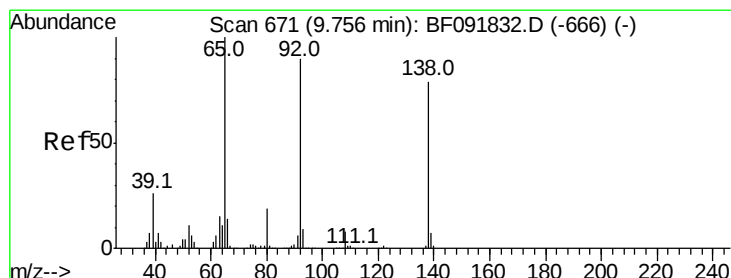
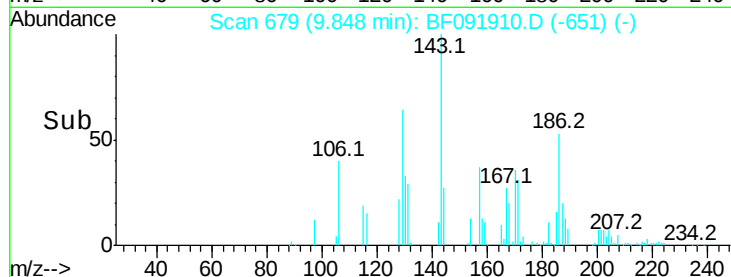
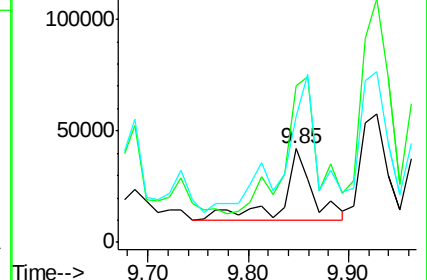
152 133.8 41.6 62.4#



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



#52

3-Nitroaniline

Concen: 2.77 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.01 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

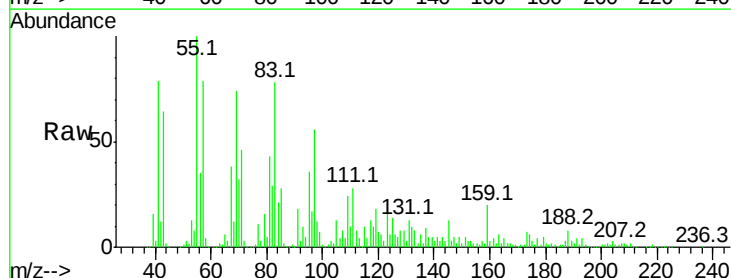
Tgt Ion:138 Resp: 13115

Ion Ratio Lower Upper

138 100

108 88.0 8.5 12.7#

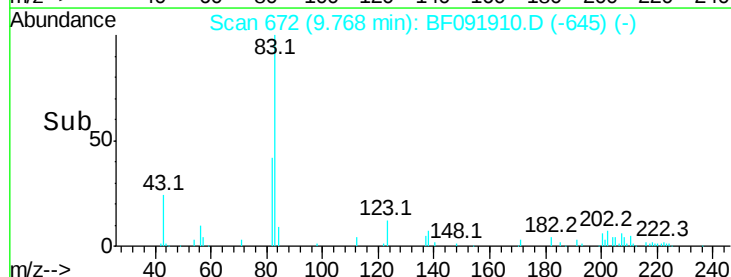
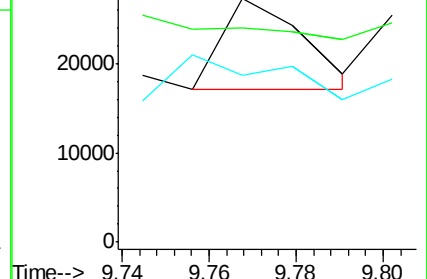
92 68.6 97.8 146.8#

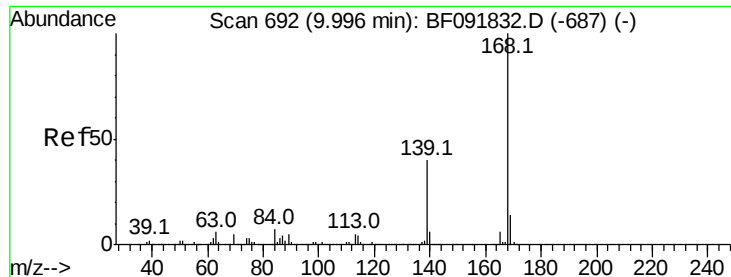


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzofuran

Concen: 7.05 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.02 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampleId :

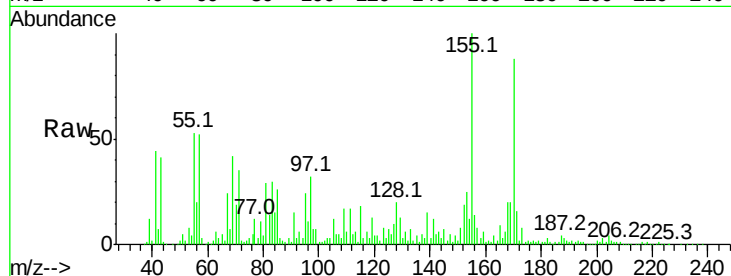
Tot Ion:168 Resp: 147056

Ion Ratio Lower Upper

168 100

139 77.8 32.6 49.0#

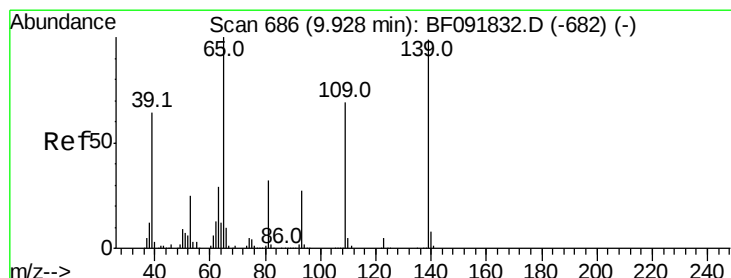
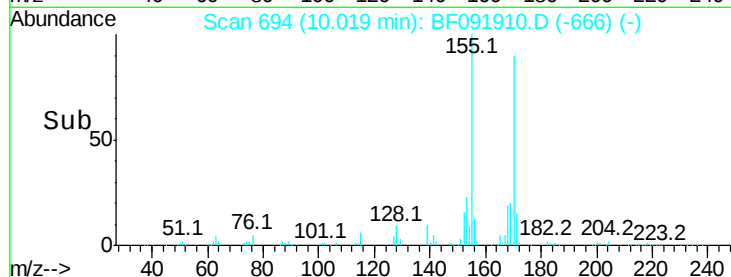
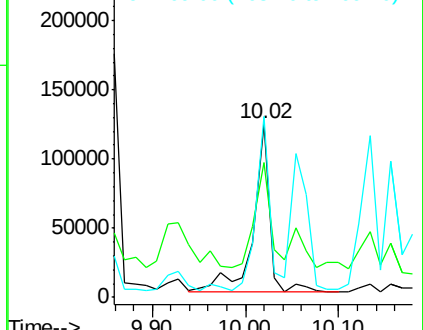
169 104.4 11.3 16.9#



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: 24.75 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

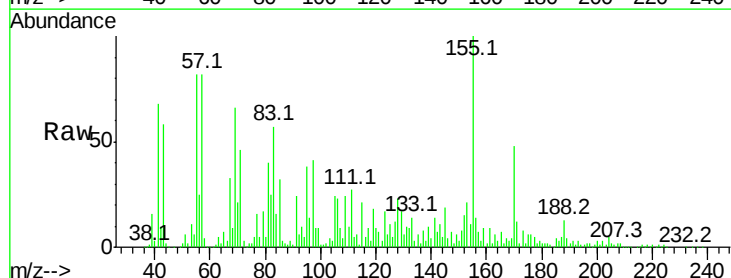
Tgt Ion:139 Resp: 79547

Ion Ratio Lower Upper

139 100

109 227.0 52.2 92.2#

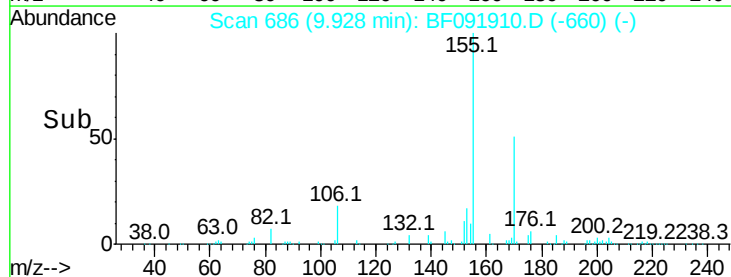
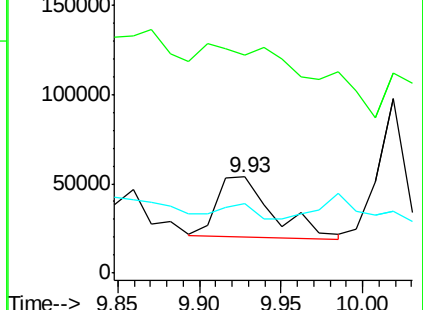
65 71.7 85.8 125.8#

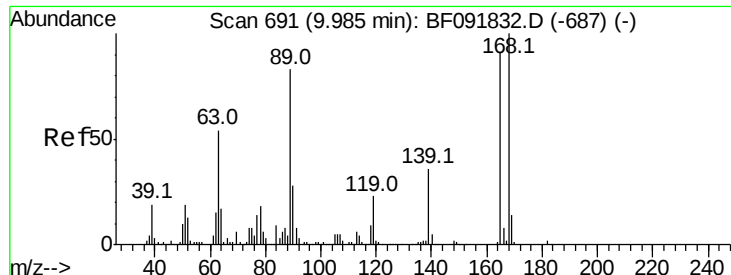


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.58 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.03 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 36376

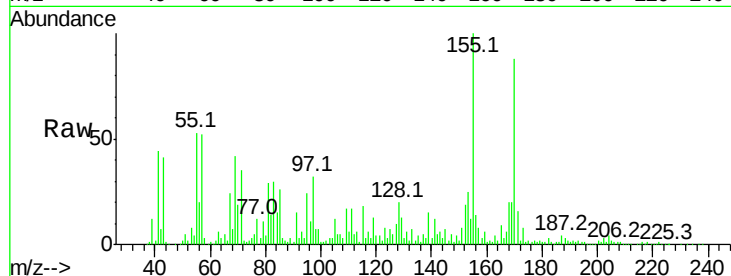
Ion Ratio Lower Upper

165 100

63 62.9 40.2 60.4#

89 35.2 62.5 93.7#

182 28.6 1.8 2.8#

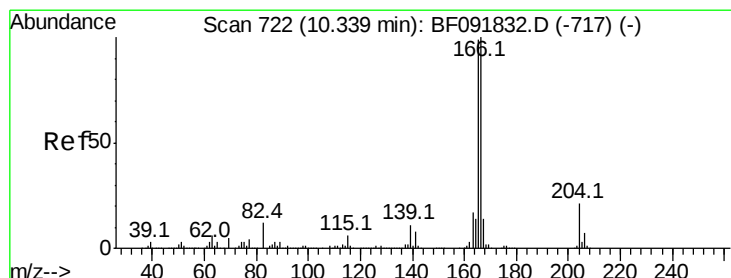
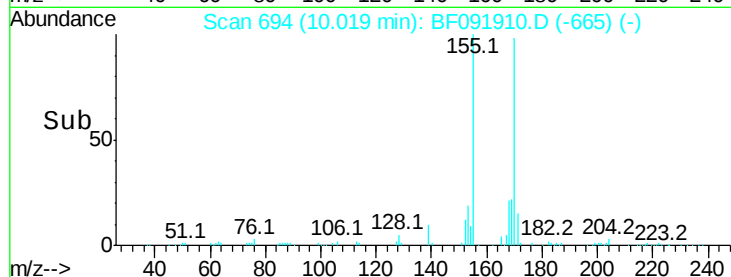
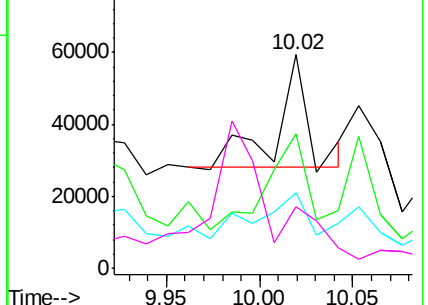


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 11.44 ng

RT: 10.35 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

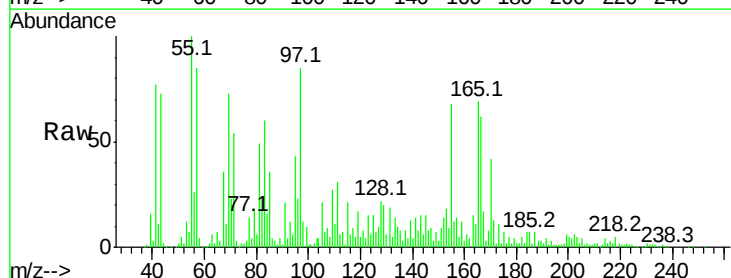
Tgt Ion:166 Resp: 173722

Ion Ratio Lower Upper

166 100

165 111.9 77.8 116.8

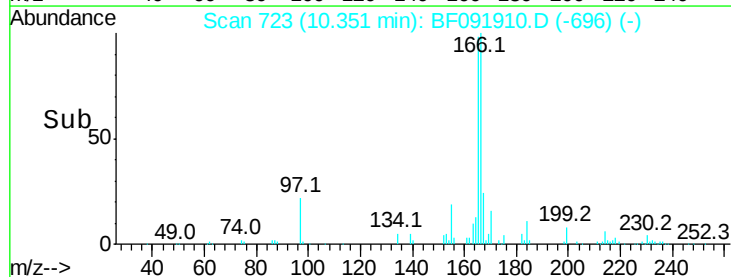
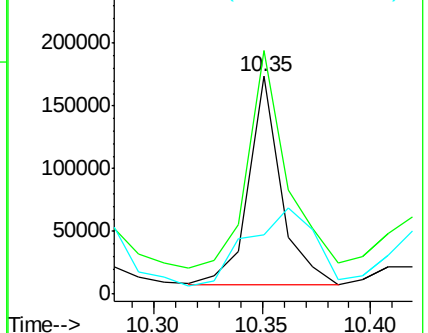
167 27.5 10.8 16.2#

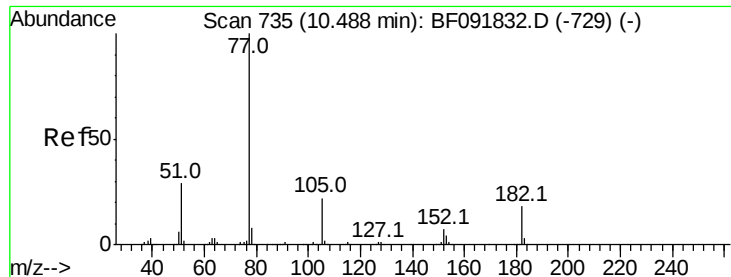


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#62

Azobenzene

Concen: 2.54 ng

RT: 10.50 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 47496

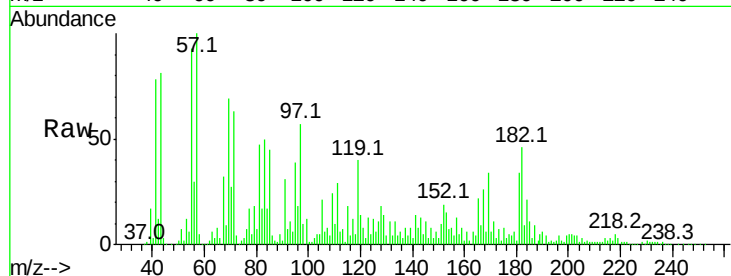
Ion Ratio Lower Upper

77 100

182 273.4 0.0 39.3#

105 125.4 2.3 42.3#

51 39.5 8.9 48.9

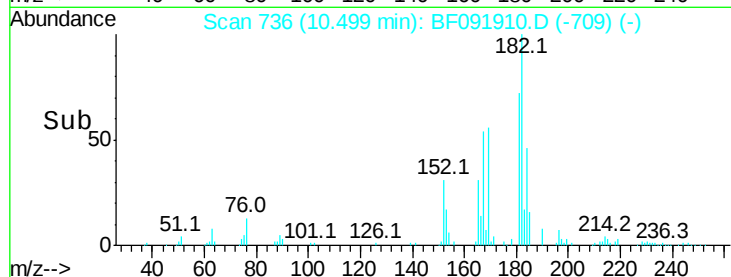


Abundance Ion 77.00 (76.70 to 77.70): BF0

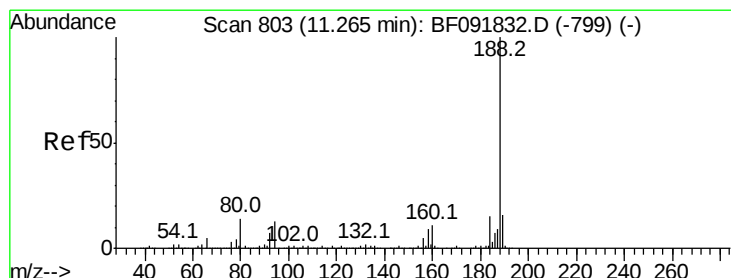
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

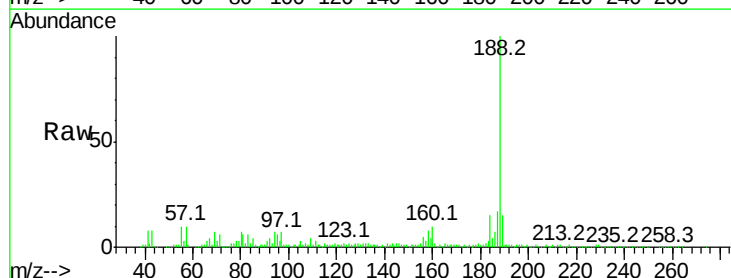
Tgt Ion: 188 Resp: 586293

Ion Ratio Lower Upper

188 100

94 7.3 10.0 15.0#

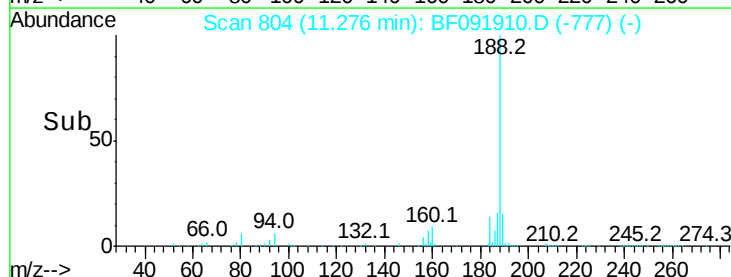
80 7.5 11.2 16.8#



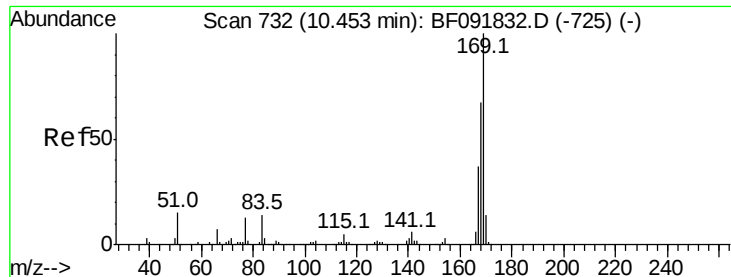
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



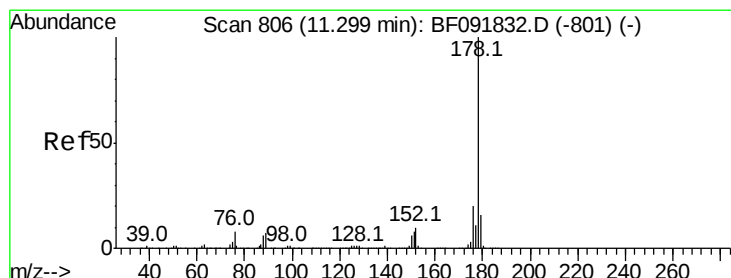
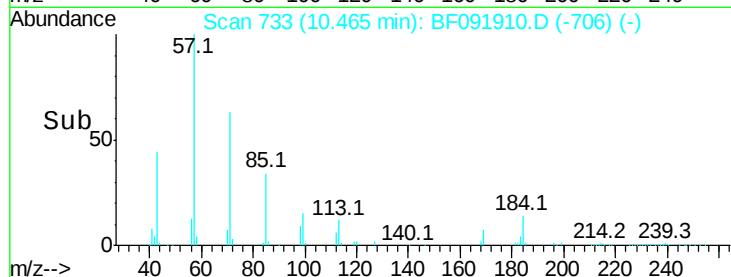
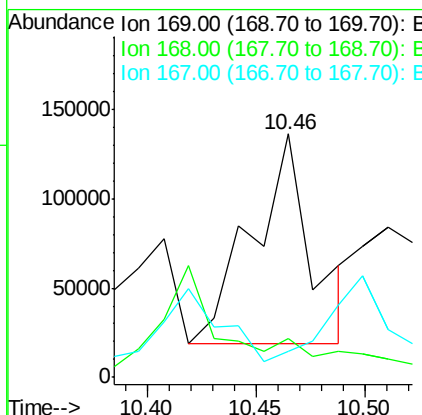
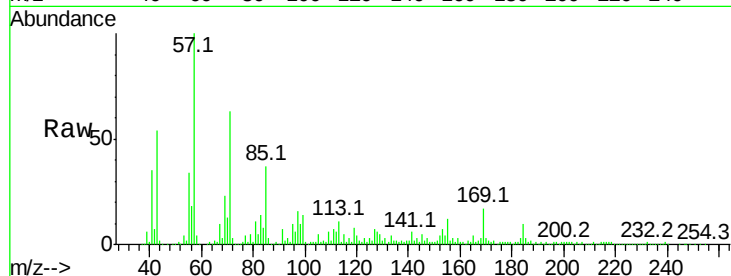
Time-->



#65
n-Nitrosodiphenylamine
Concen: 12.89 ng
RT: 10.46 min Scan# 733
Delta R.T. 0.01 min
Lab File: BF091910.D
Acq: 23 Dec 2016 7:22

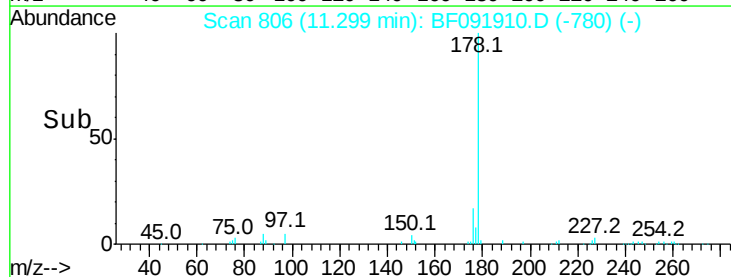
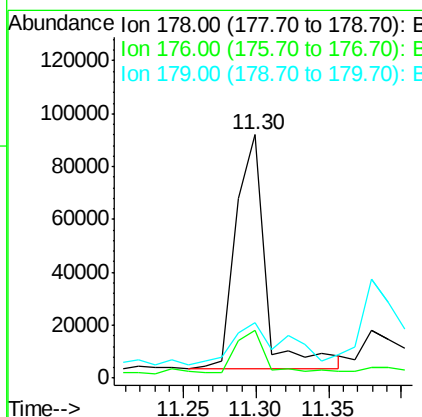
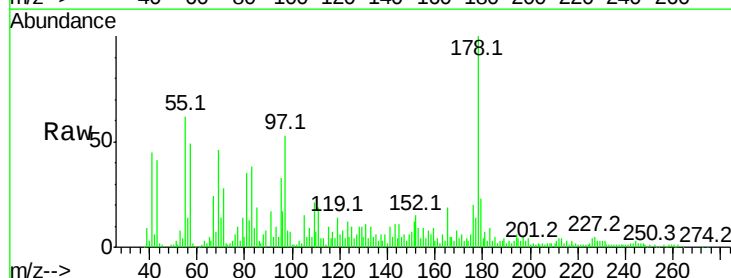
Instrument :
BNA_F
ClientSampleId :

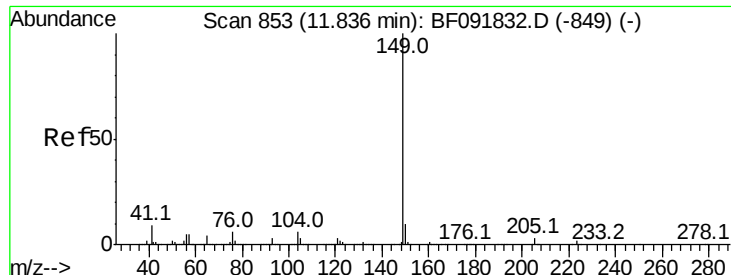
Tot Ion:169 Resp: 224235
Ion Ratio Lower Upper
169 100
168 16.1 54.2 81.2#
167 10.5 30.2 45.4#



#70
Phenanthrene
Concen: 3.93 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF091910.D
Acq: 23 Dec 2016 7:22

Tgt Ion:178 Resp: 125036
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 22.7 12.8 19.2#

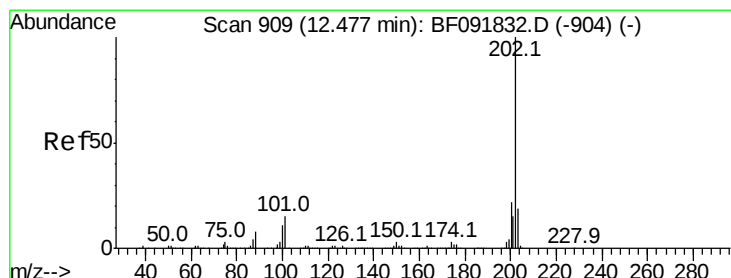
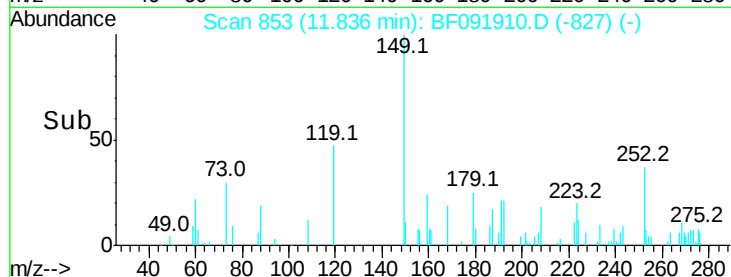
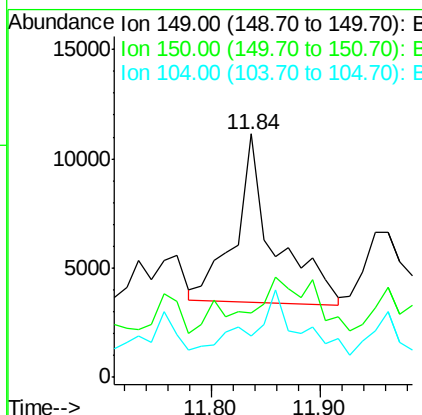
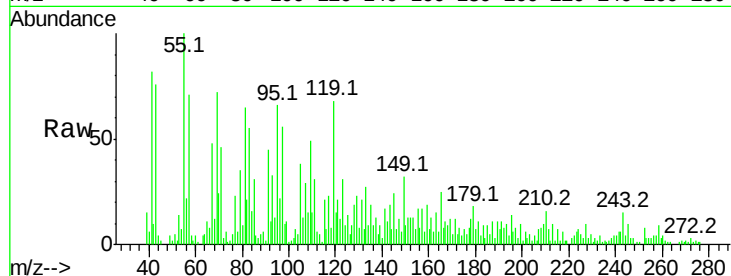




#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.84 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF091910.D
Acq: 23 Dec 2016 7:22

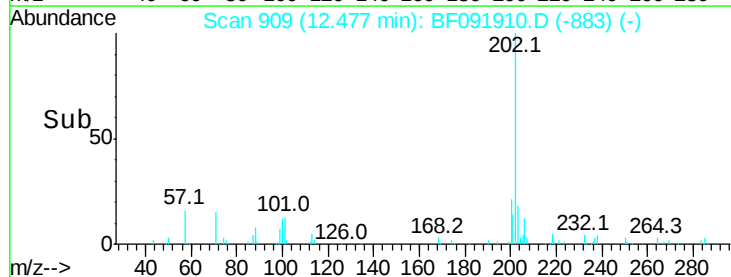
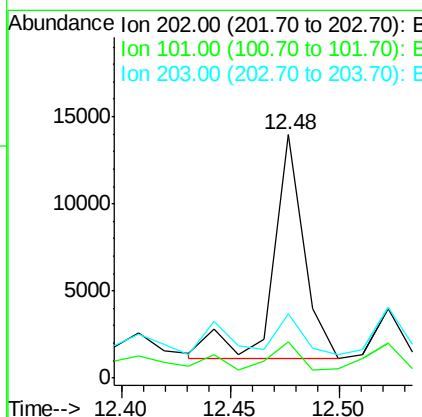
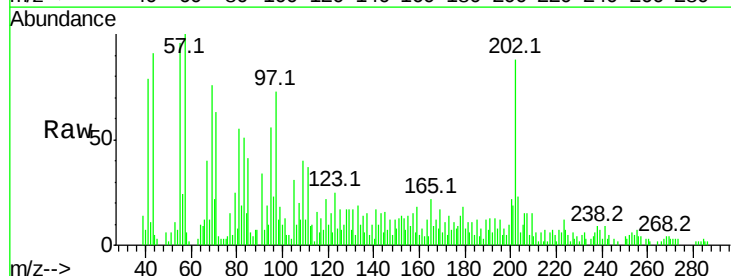
Instrument :
BNA_F
ClientSampled :

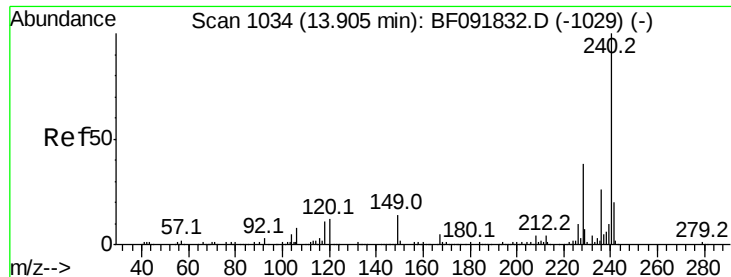
Tot Ion:149 Resp: 19136
Ion Ratio Lower Upper
149 100
150 26.4 8.1 12.1#
104 17.0 4.6 7.0#



#74
Fluoranthene
Concen: Below Cal
RT: 12.48 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF091910.D
Acq: 23 Dec 2016 7:22

Tgt Ion:202 Resp: 12941
Ion Ratio Lower Upper
202 100
101 15.0 0.0 34.6
203 26.2 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

Instrument :

BNA_F

ClientSampleId :

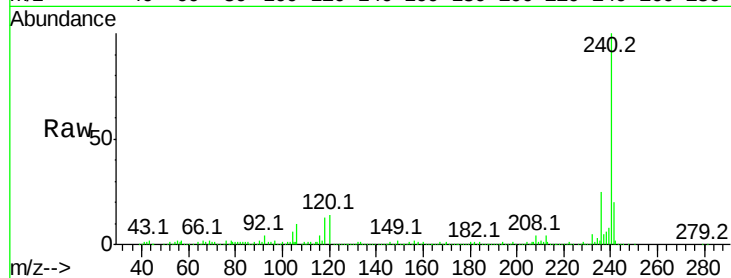
Tot Ion:240 Resp: 364091

Ion Ratio Lower Upper

240 100

120 14.0 12.9 19.3

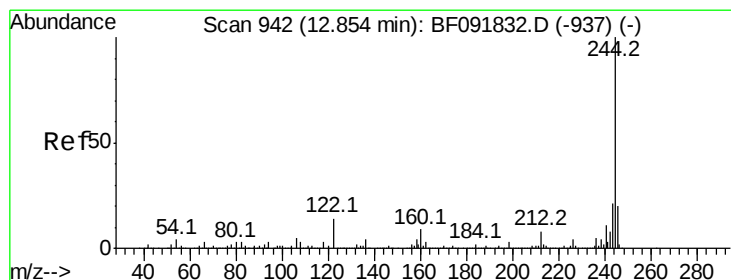
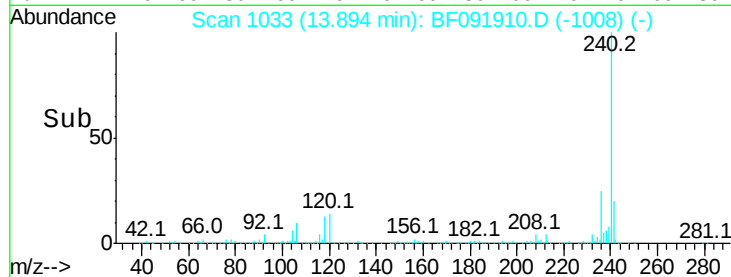
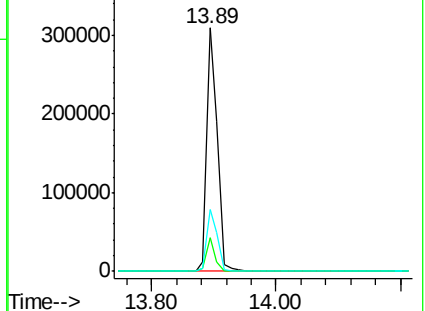
236 25.5 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 92.64 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091910.D

Acq: 23 Dec 2016 7:22

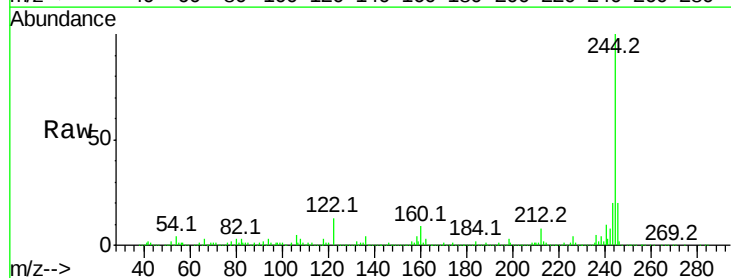
Tgt Ion:244 Resp: 1390697

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

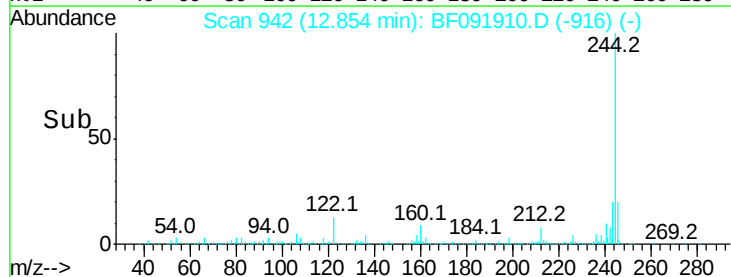
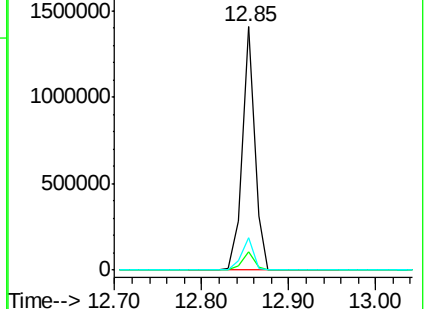
122 13.3 11.4 17.2

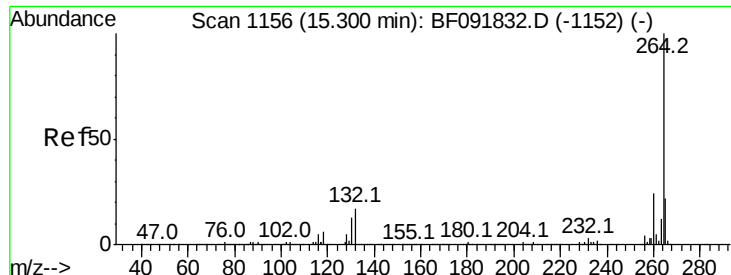


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

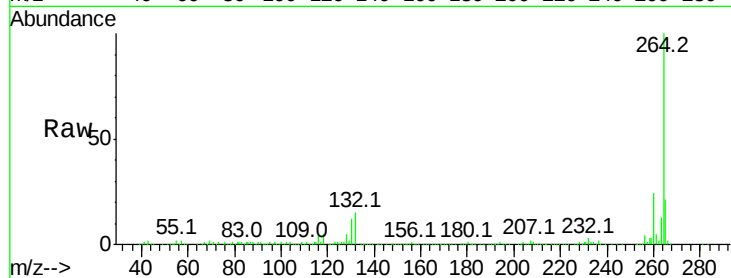




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BF091910.D
 Acq: 23 Dec 2016 7:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.3	17.4	26.0



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

