

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
 Data File : BF095038.D
 Acq On : 9 May 2017 23:52
 Operator : SJ/MA
 Sample : I3035-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 10 01:18:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

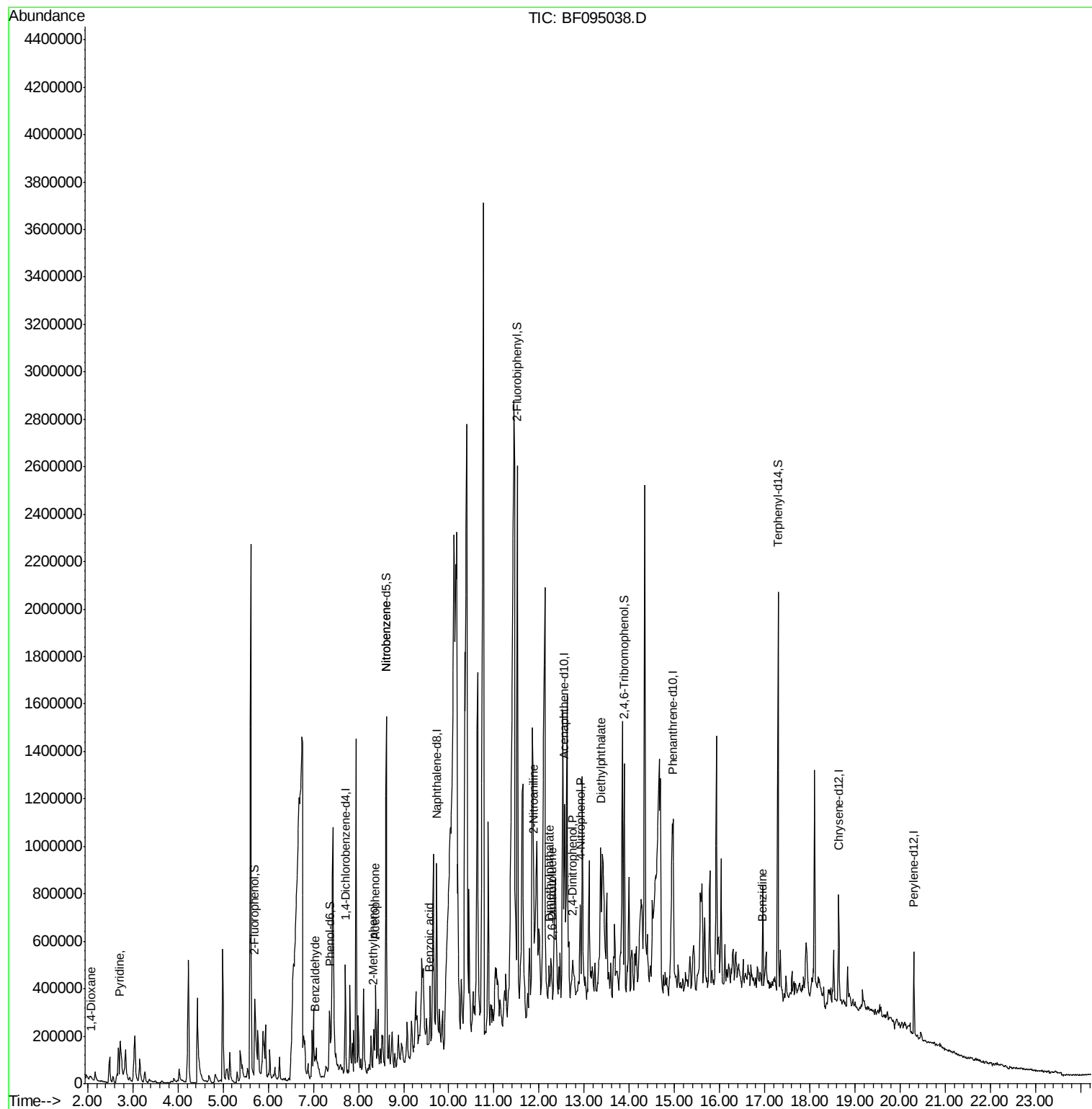
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	93976	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	387810	20.00	ng	-0.02
38) Acenaphthene-d10	12.57	164	173144	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	277402	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	184634	20.00	ng	-0.02
86) Perylene-d12	20.31	264	152389	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	291303	51.68	ng	0.03
7) Phenol-d6	7.35	99	213878	31.62	ng	0.08
23) Nitrobenzene-d5	8.61	82	514849	83.72	ng	-0.02
41) 2,4,6-Tribromophenol	13.89	330	171098	120.66	ng	0.00
44) 2-Fluorobiphenyl	11.52	172	995993	82.80	ng	-0.01
78) Terphenyl-d14	17.29	244	649138	77.44	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	2.08	88	7024	2.54	ng	Qvalue # 71
3) Pyridine	2.72	79	119148	18.60	ng	94
9) Benzaldehyde	7.04	77	17208	4.17	ng	90
17) 2-Methylphenol	8.34	107	76351	14.54	ng	# 21
22) Acetophenone	8.38	105	145390	15.63	ng	# 82
24) Nitrobenzene	8.62	77	21141	3.28	ng	# 62
32) Benzoic acid	9.57	122	1415	5.42	ng	# 25
47) 2-Nitroaniline	11.88	65	11737	3.64	ng	# 26
49) Dimethylphthalate	12.22	163	35578	2.50	ng	# 70
50) 2,6-Dinitrotoluene	12.30	165	6599	2.28	ng	# 73
53) 2,4-Dinitrophenol	12.74	184	113	6.31	ng	# 1
55) 4-Nitrophenol	12.91	139	7587	4.06	ng	# 1
59) Diethylphthalate	13.37	149	272975	20.04	ng	98
76) Benzidine	16.94	184	293	6.64	ng	# 1

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

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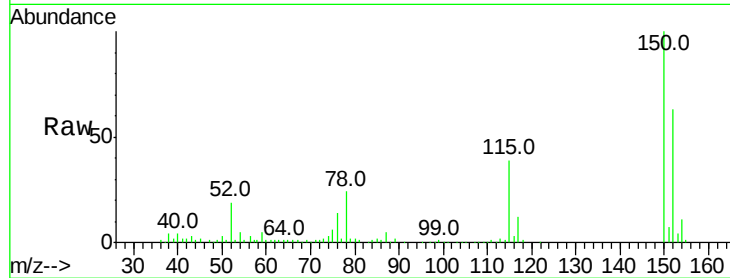


#1

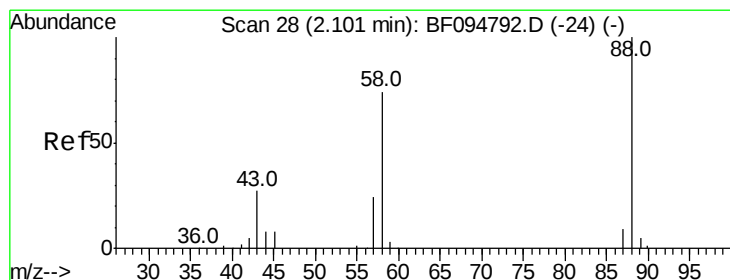
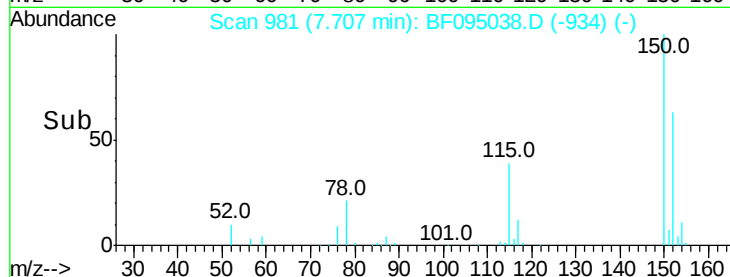
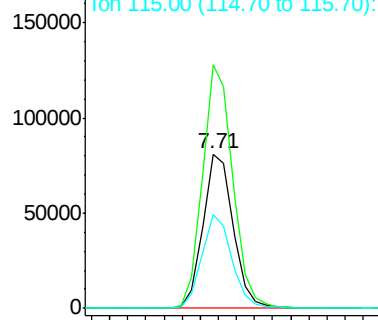
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095038.D
Acq: 9 May 2017 23:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93976
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 60.9 52.2 78.2



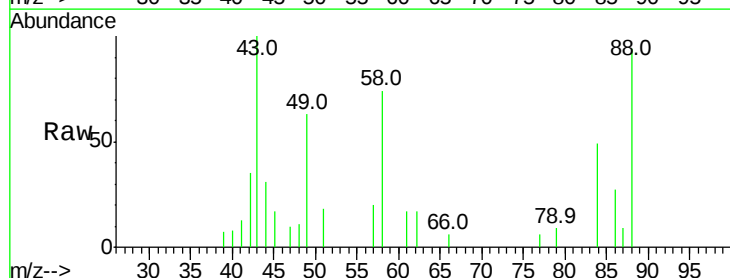
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



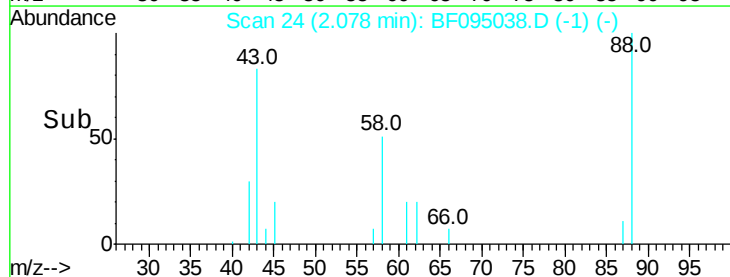
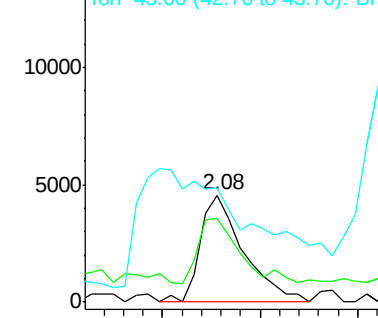
#2

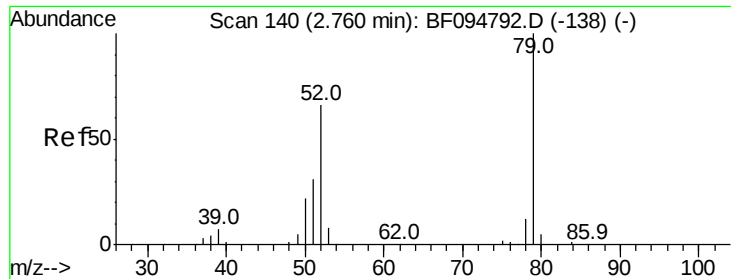
1,4-Dioxane
Concen: 2.54 ng
RT: 2.08 min Scan# 24
Delta R.T. -0.02 min
Lab File: BF095038.D
Acq: 9 May 2017 23:52

Tgt Ion: 88 Resp: 7024
Ion Ratio Lower Upper
88 100
58 60.0 61.4 92.0#
43 0.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 18.60 ng

RT: 2.72 min Scan# 133

Delta R.T. -0.04 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

Instrument :

BNA_F

ClientSampleId :

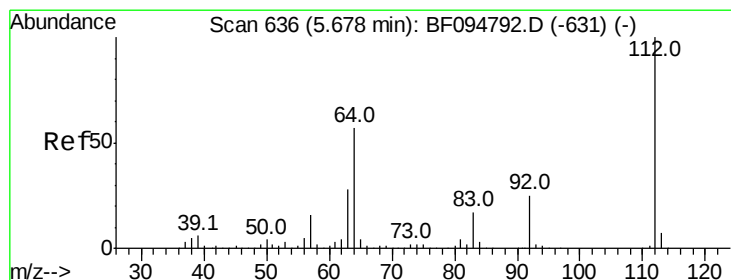
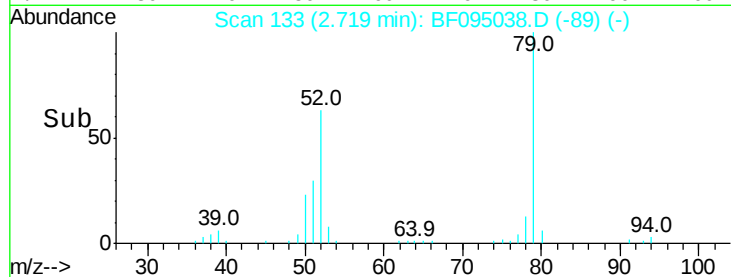
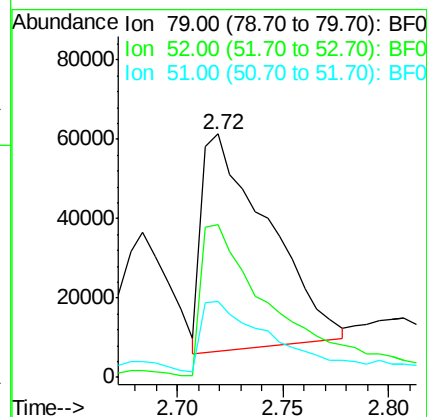
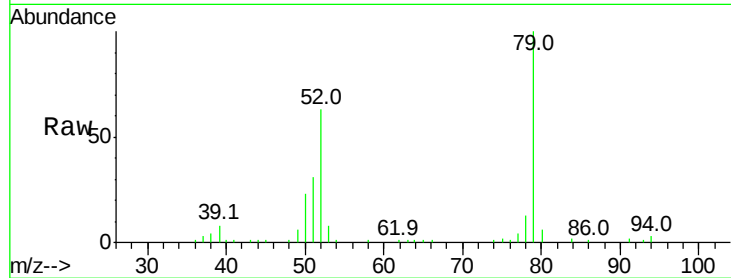
Tot Ion: 79 Resp: 119148

Ion Ratio Lower Upper

79 100

52 62.8 54.8 82.2

51 31.2 27.0 40.4



#5

2-Fluorophenol

Concen: 51.68 ng

RT: 5.71 min Scan# 641

Delta R.T. 0.03 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

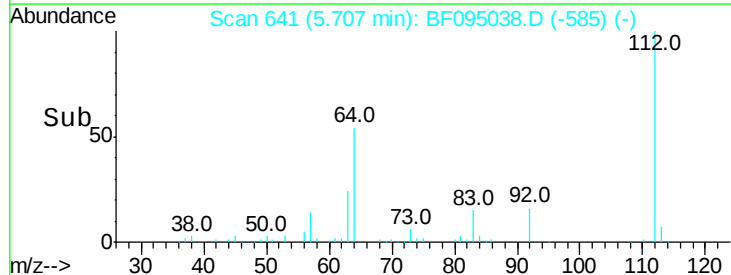
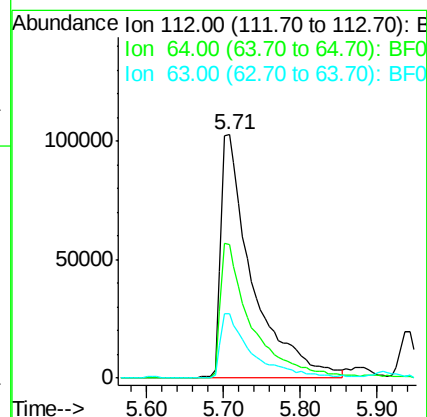
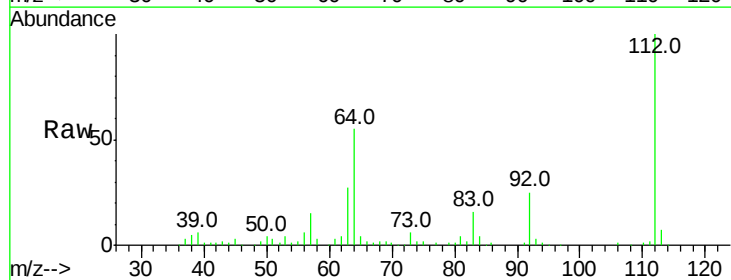
Tgt Ion: 112 Resp: 291303

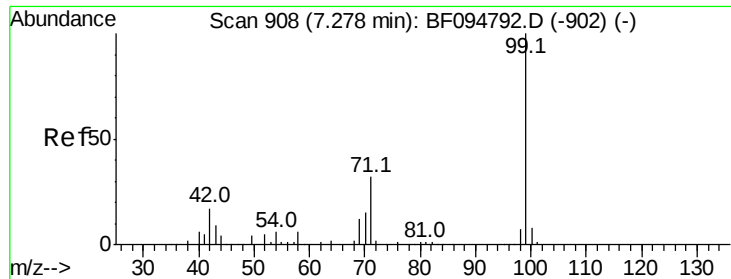
Ion Ratio Lower Upper

112 100

64 55.0 46.0 69.0

63 26.7 23.4 35.0





#7

Phenol-d6

Concen: 31.62 ng

RT: 7.35 min Scan# 921

Delta R.T. 0.08 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

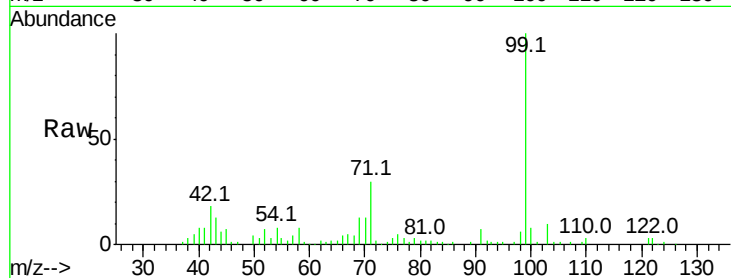
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 213878

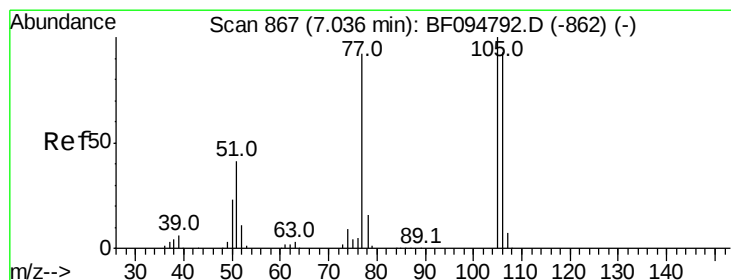
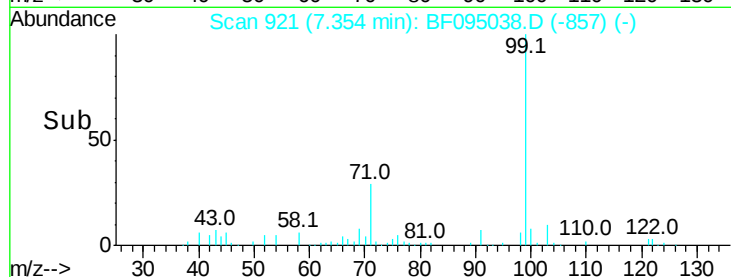
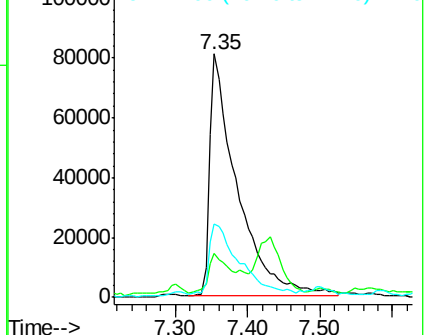
Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.5	20.3
71	30.2	24.5	36.7



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: 4.17 ng

RT: 7.04 min Scan# 867

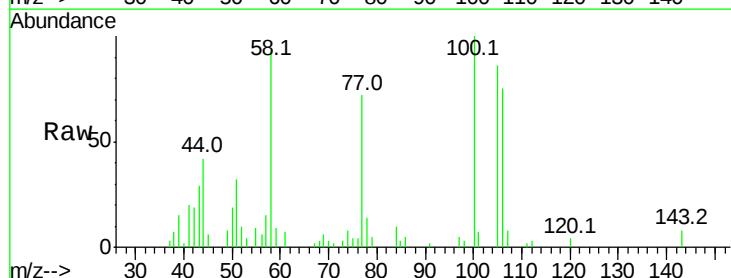
Delta R.T. 0.00 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

Tgt Ion: 77 Resp: 17208

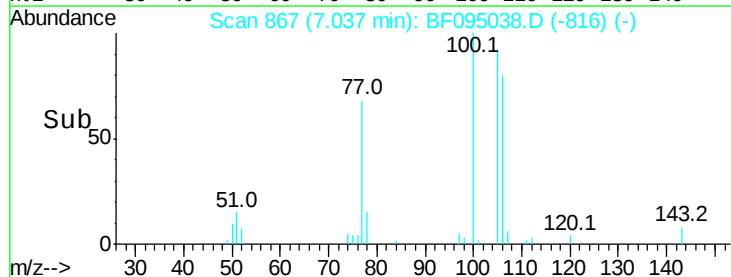
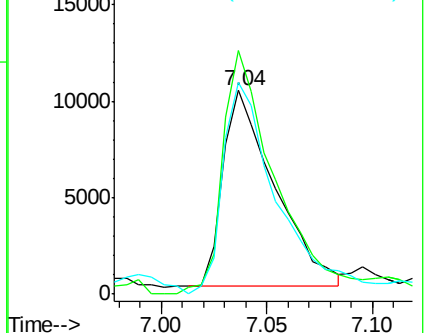
Ion	Ratio	Lower	Upper
77	100		
105	119.5	83.8	123.8
106	104.1	79.1	119.1

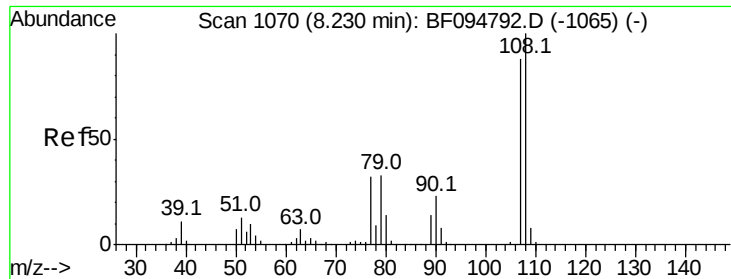


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

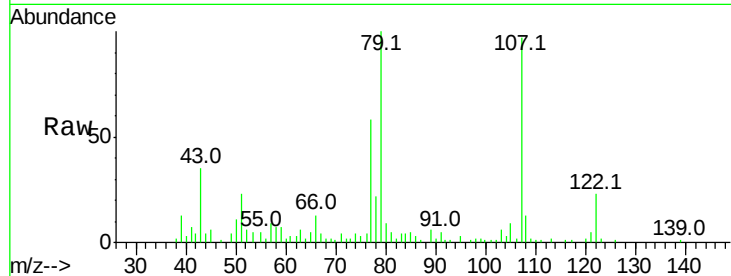




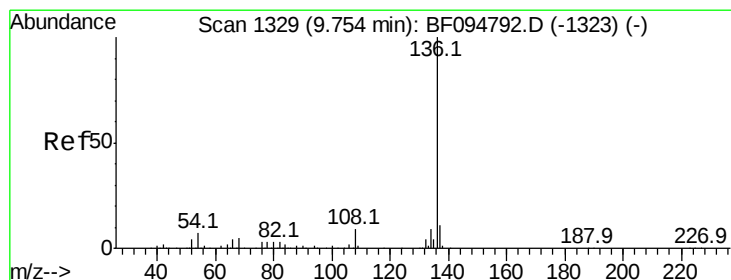
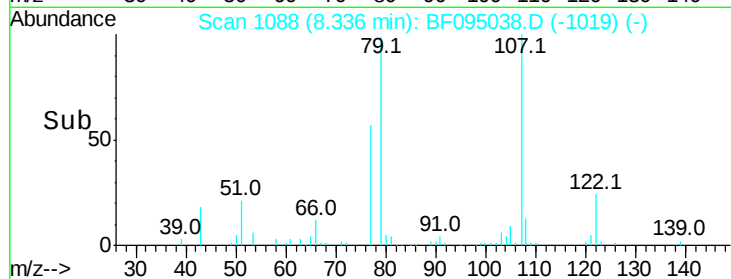
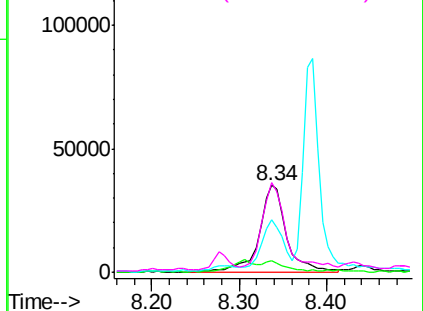
#17
2-Methylphenol
Concen: 14.54 ng
RT: 8.34 min Scan# 1088
Delta R.T. 0.11 min
Lab File: BF095038.D
Acq: 9 May 2017 23:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 76351
Ion Ratio Lower Upper
107 100
108 13.5 93.4 140.0#
77 60.4 35.8 53.6#
79 103.6 34.8 52.2#



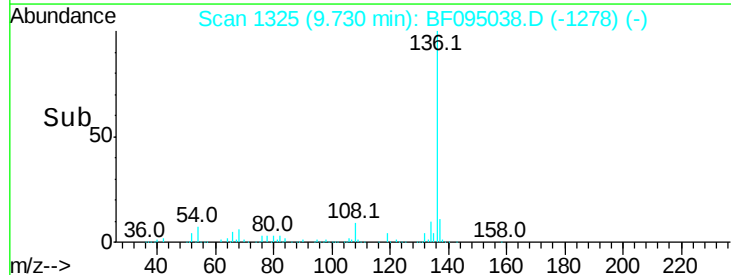
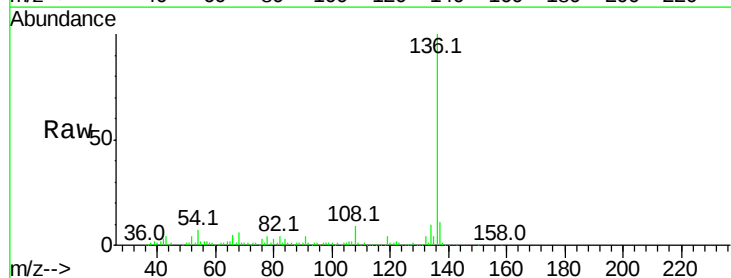
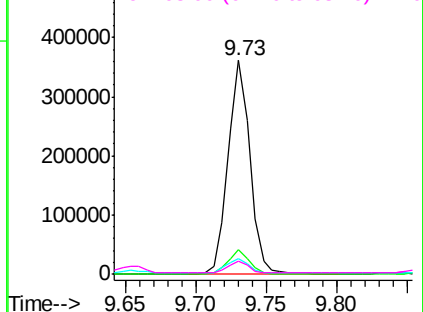
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

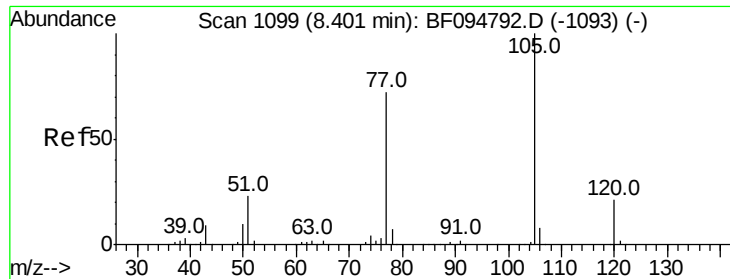


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.73 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BF095038.D
Acq: 9 May 2017 23:52

Tgt Ion:136 Resp: 387810
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 7.2 4.9 7.3
68 6.0 4.1 6.1

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





#22

Acetophenone

Concen: 15.63 ng

RT: 8.38 min Scan# 1096

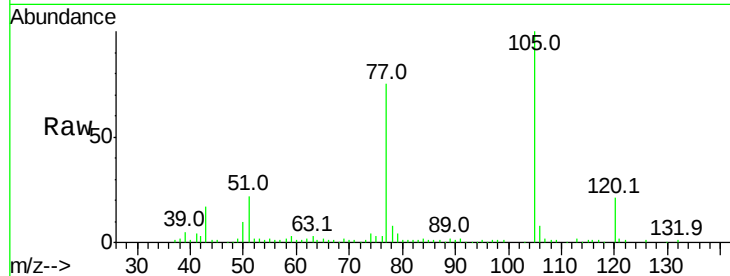
Delta R.T. -0.02 min

Lab File: BF095038.D

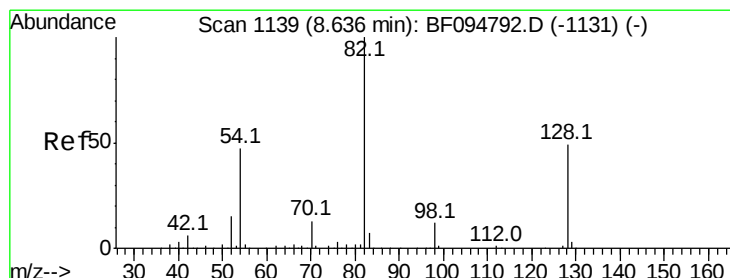
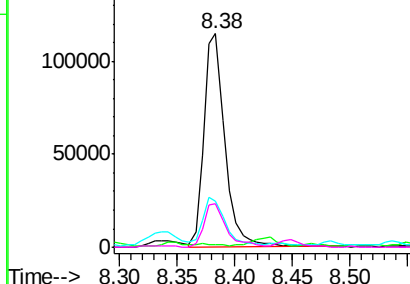
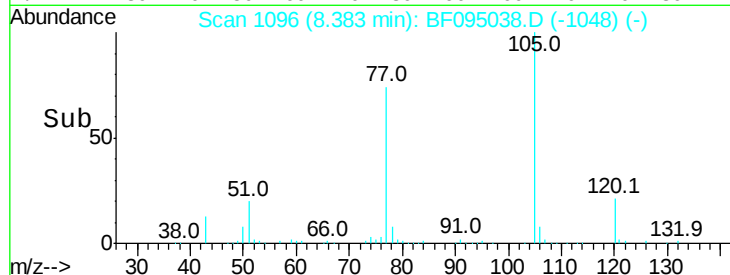
Acq: 9 May 2017 23:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	105	Resp:	145390
Ion Ratio	Lower	Upper	
105	100		
71	1.1	2.8	4.2#
51	21.9	30.7	46.1#
120	20.6	17.4	26.0



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: 83.72 ng

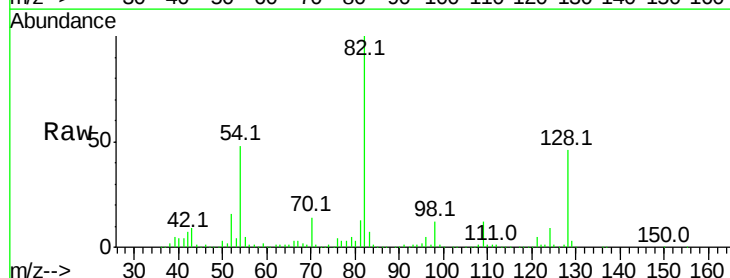
RT: 8.61 min Scan# 1135

Delta R.T. -0.02 min

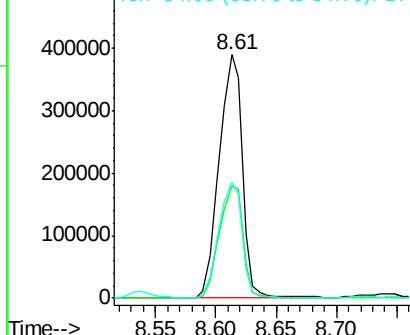
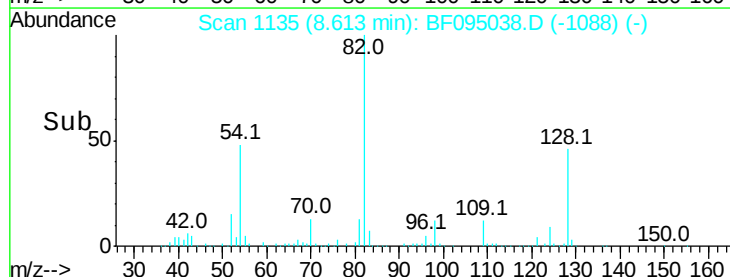
Lab File: BF095038.D

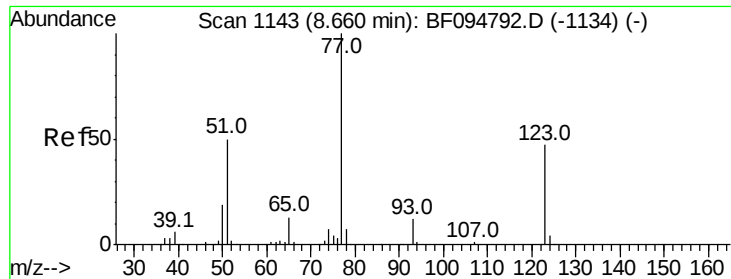
Acq: 9 May 2017 23:52

Tgt Ion:	82	Resp:	514849
Ion Ratio	Lower	Upper	
82	100		
128	45.9	34.0	51.0
54	47.7	42.2	63.2



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

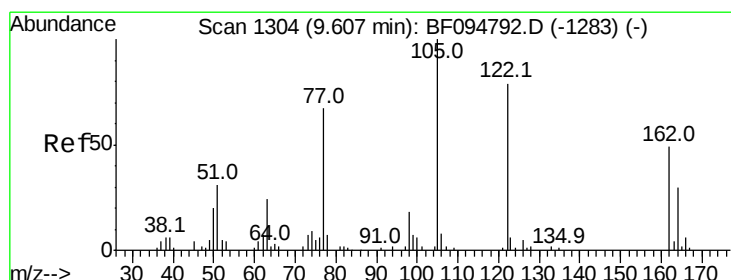
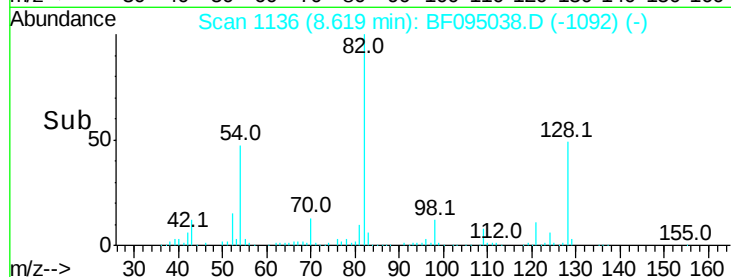
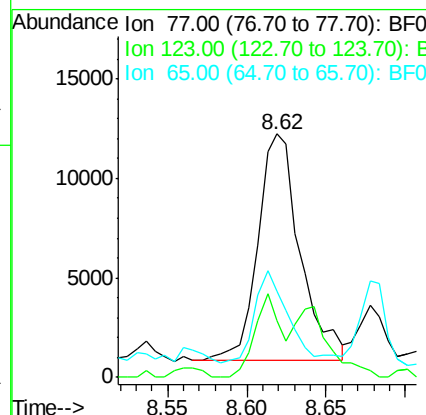
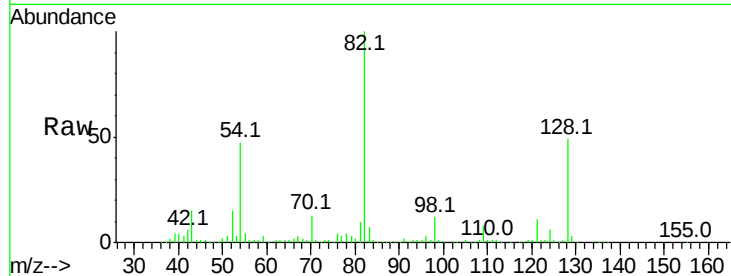




#24
 Nitrobenzene
 Concen: 3.28 ng
 RT: 8.62 min Scan# 1136
 Delta R.T. -0.04 min
 Lab File: BF095038.D
 Acq: 9 May 2017 23:52

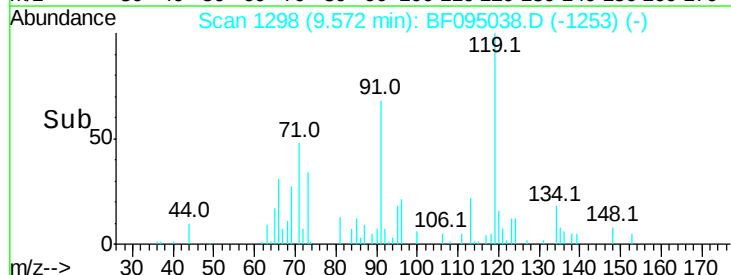
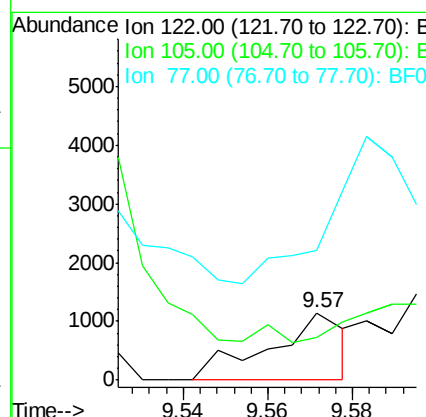
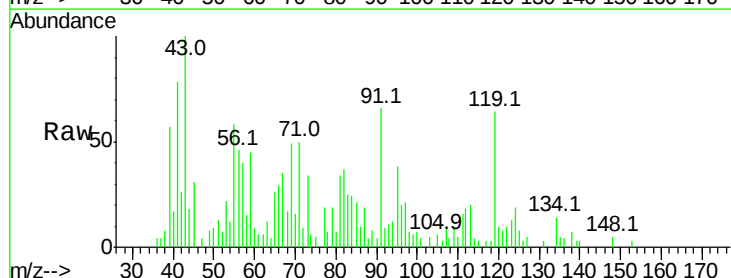
Instrument :
 BNA_F
 ClientSampleId :

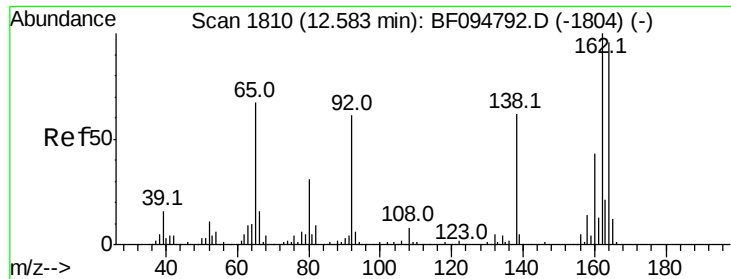
Tot Ion: 77 Resp: 21141
 Ion Ratio Lower Upper
 77 100
 123 23.5 35.8 53.8#
 65 35.2 10.6 15.8#



#32
 Benzoic acid
 Concen: 5.42 ng
 RT: 9.57 min Scan# 1298
 Delta R.T. -0.04 min
 Lab File: BF095038.D
 Acq: 9 May 2017 23:52

Tgt Ion:122 Resp: 1415
 Ion Ratio Lower Upper
 122 100
 105 63.3 103.3 143.3#
 77 194.1 73.7 113.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.57 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

Instrument :

BNA_F

ClientSampleId :

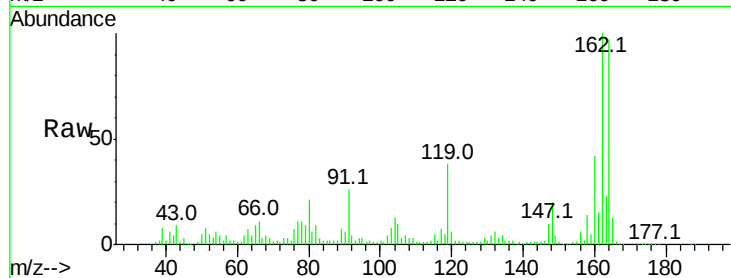
Tot Ion:164 Resp: 173144

Ion Ratio Lower Upper

164 100

162 103.4 82.6 123.8

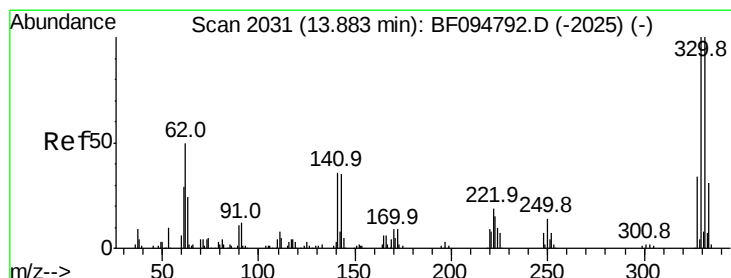
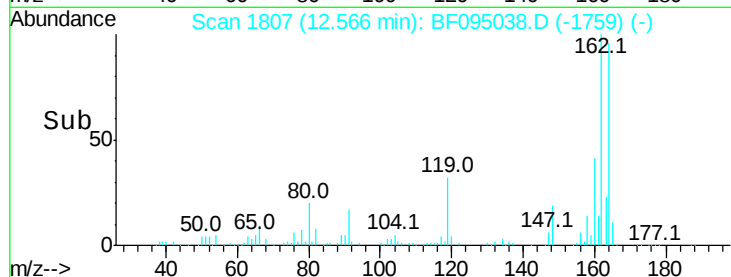
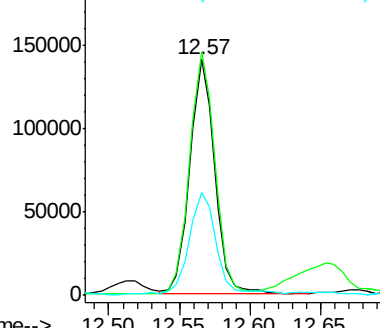
160 43.6 36.2 54.2



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: 120.66 ng

RT: 13.89 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

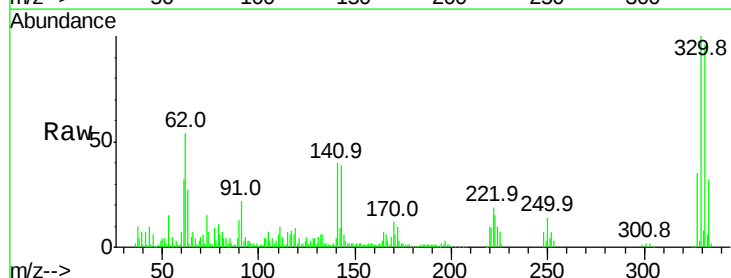
Tgt Ion:330 Resp: 171098

Ion Ratio Lower Upper

330 100

332 98.3 76.6 115.0

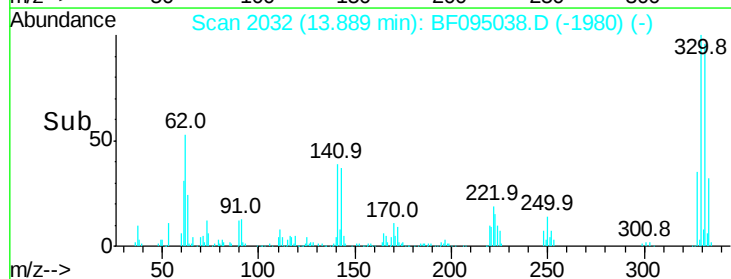
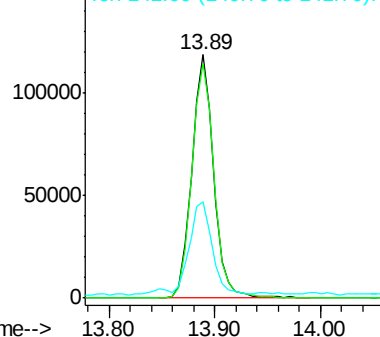
141 38.9 31.4 47.2

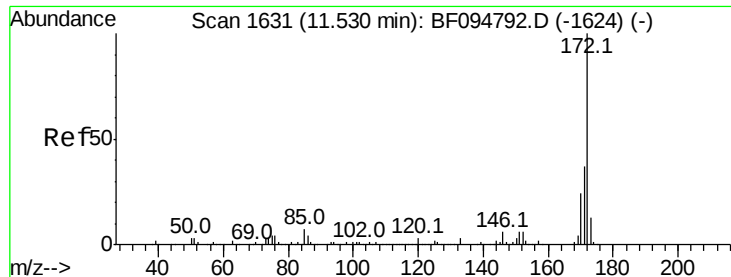


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

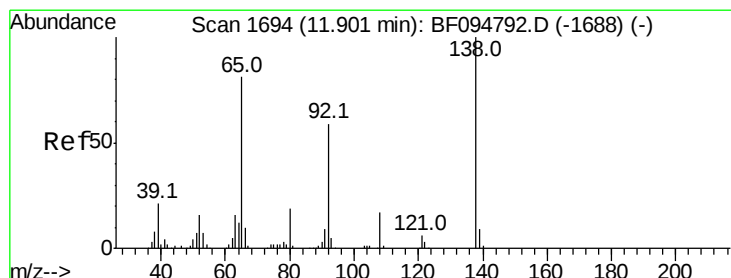
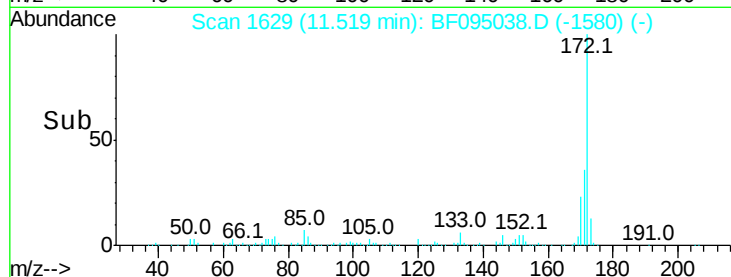
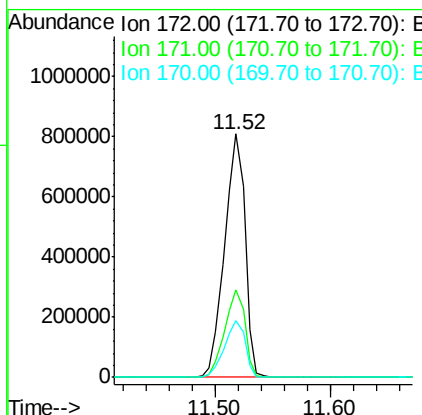
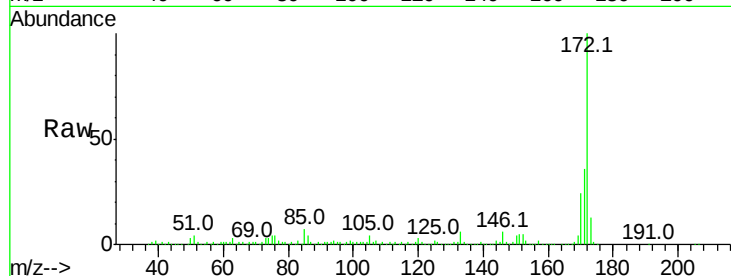




#44
2-Fluorobiphenyl
Concen: 82.80 ng
RT: 11.52 min Scan# 1629
Delta R.T. -0.01 min
Lab File: BF095038.D
Acq: 9 May 2017 23:52

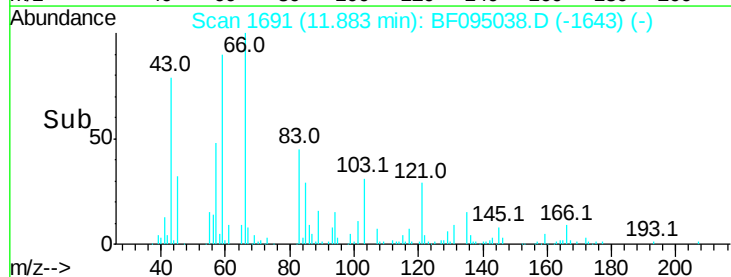
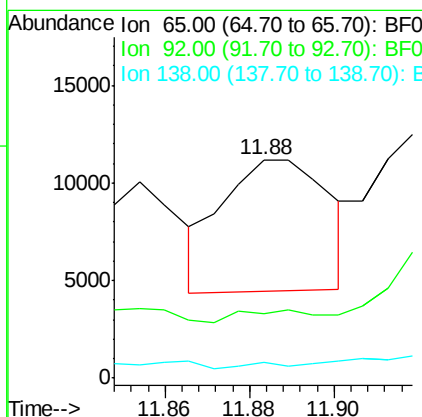
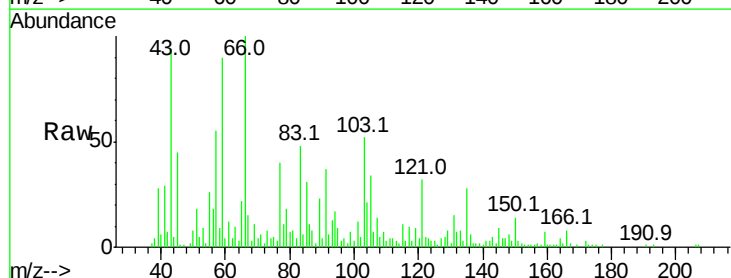
Instrument :
BNA_F
ClientSampleId :

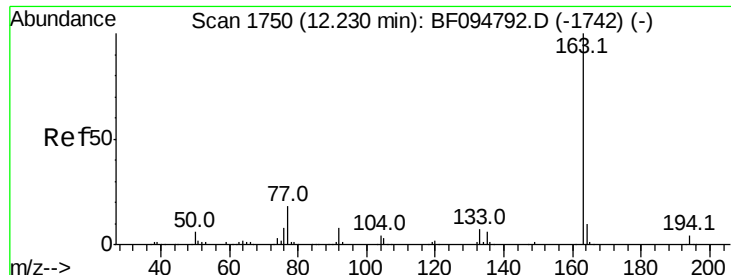
Tot Ion:172 Resp: 995993
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.5 19.8 29.8



#47
2-Nitroaniline
Concen: 3.64 ng
RT: 11.88 min Scan# 1691
Delta R.T. -0.02 min
Lab File: BF095038.D
Acq: 9 May 2017 23:52

Tgt Ion: 65 Resp: 11737
Ion Ratio Lower Upper
65 100
92 29.2 53.9 80.9#
138 7.1 78.8 118.2#





#49

Dimethylphthalate

Concen: 2.50 ng

RT: 12.22 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

Instrument :

BNA_F

ClientSampleId :

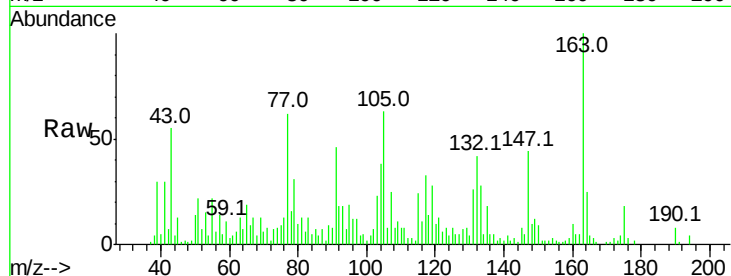
Tot Ion:163 Resp: 35578

Ion Ratio Lower Upper

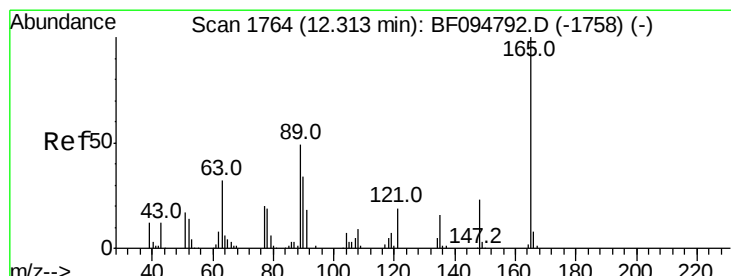
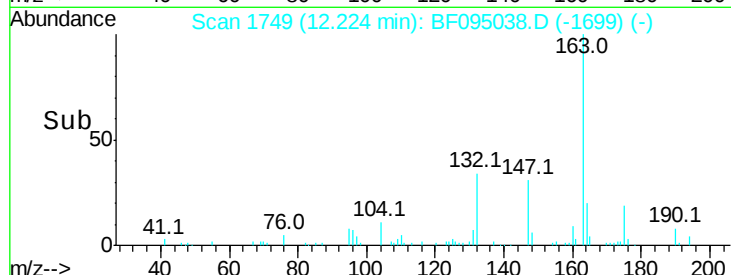
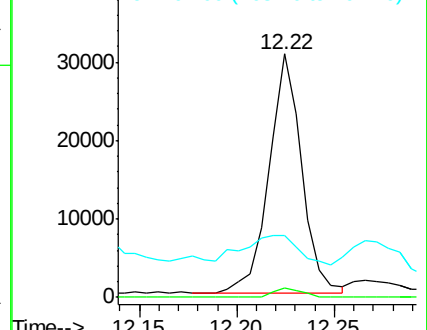
163 100

194 4.1 2.6 4.0#

164 25.2 8.4 12.6#



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



#50

2,6-Dinitrotoluene

Concen: 2.28 ng

RT: 12.30 min Scan# 1761

Delta R.T. -0.02 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

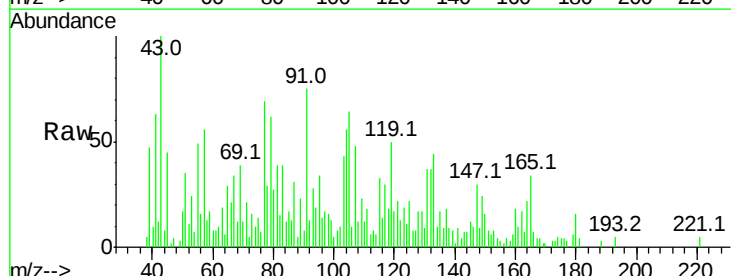
Tgt Ion:165 Resp: 6599

Ion Ratio Lower Upper

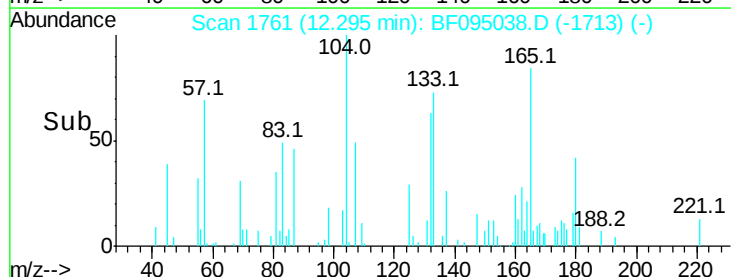
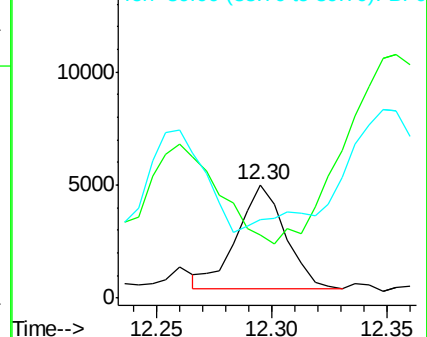
165 100

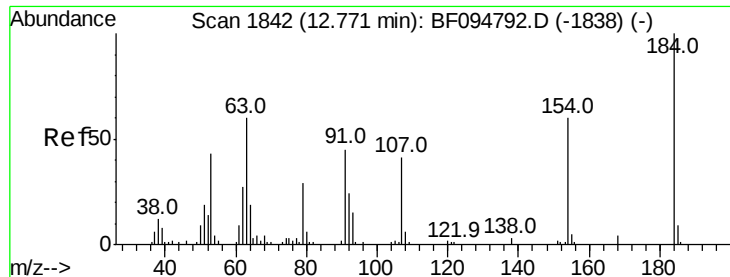
63 55.7 34.3 51.5#

89 68.5 37.1 55.7#



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





#53

2,4-Dinitrophenol

Concen: 6.31 ng

RT: 12.74 min Scan# 1837

Delta R.T. -0.03 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

Instrument :

BNA_F

ClientSampleId :

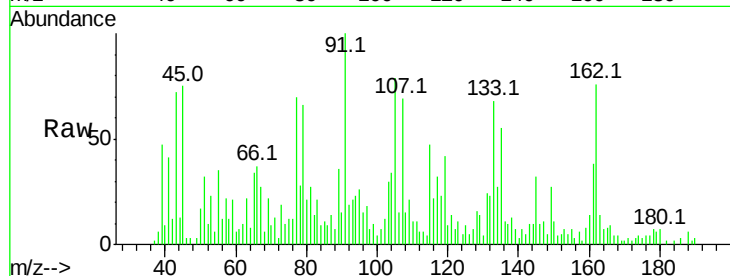
Tot Ion:184 Resp: 113

Ion Ratio Lower Upper

184 100

63 1368.4 62.7 94.1#

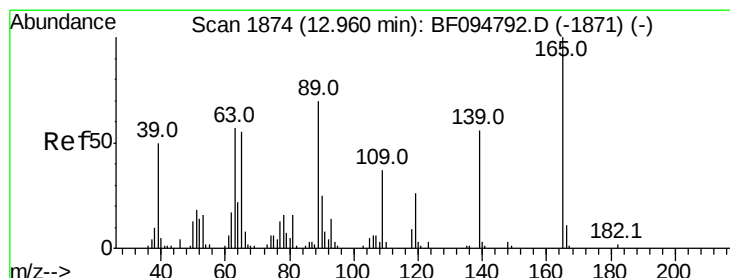
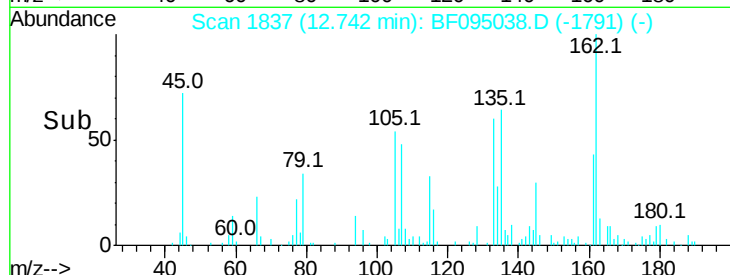
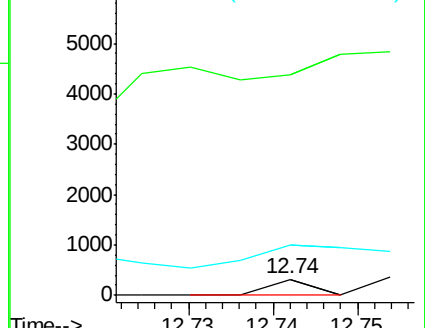
154 313.4 81.1 121.7#



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



#55

4-Nitrophenol

Concen: 4.06 ng

RT: 12.91 min Scan# 1866

Delta R.T. -0.05 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

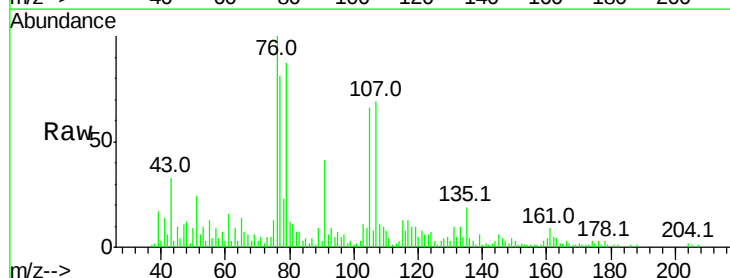
Tgt Ion:139 Resp: 7587

Ion Ratio Lower Upper

139 100

109 170.4 34.1 74.1#

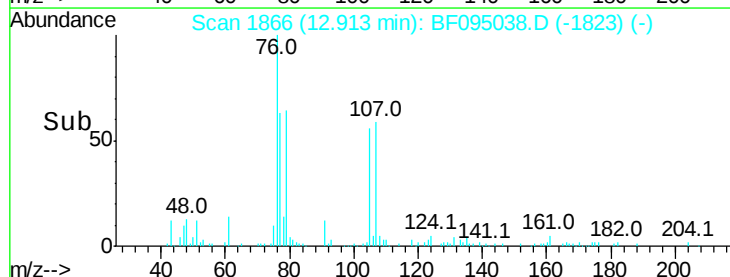
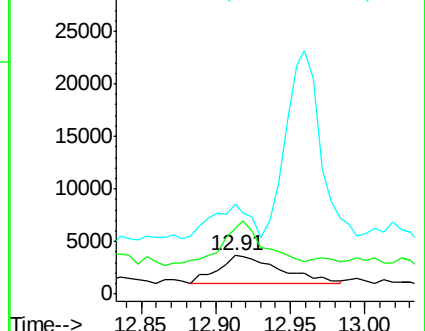
65 231.8 31.4 71.4#

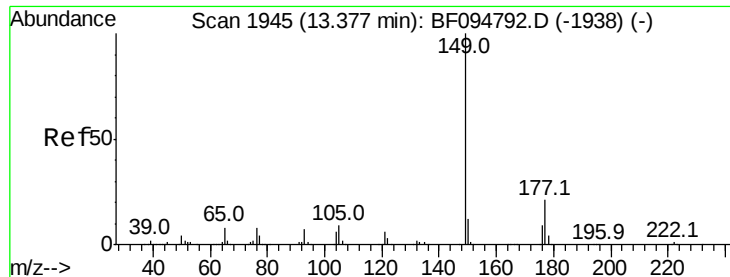


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

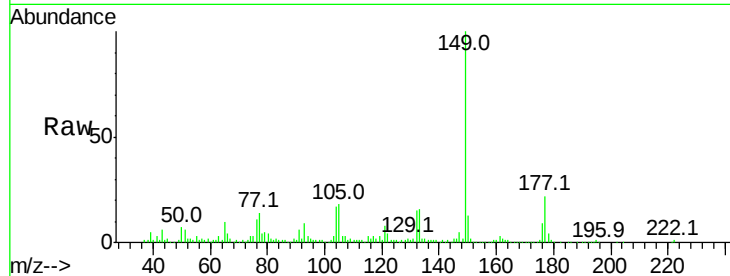




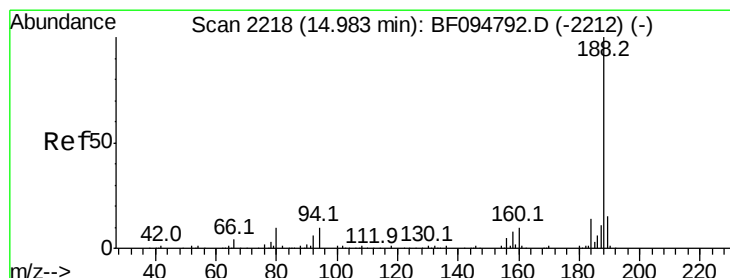
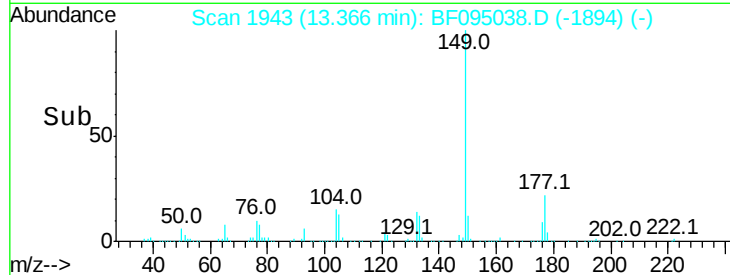
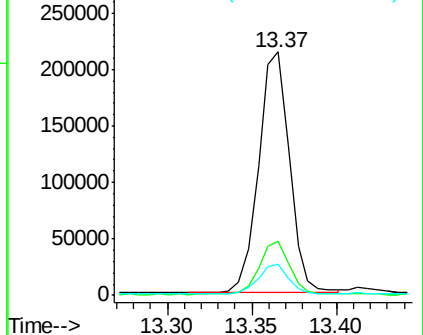
#59
Diethylphthalate
Concen: 20.04 ng
RT: 13.37 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BF095038.D
Acq: 9 May 2017 23:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.2	16.7	25.1
150	12.6	10.2	15.2

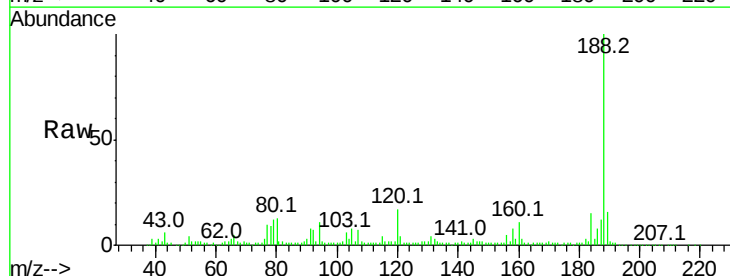


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

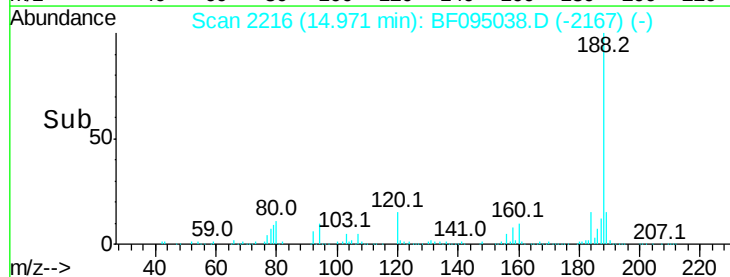
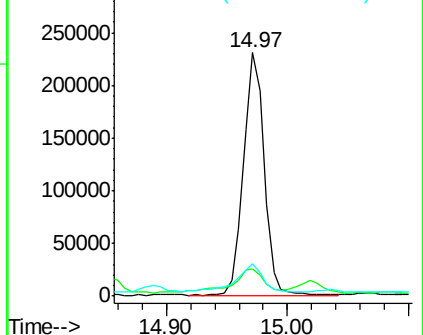


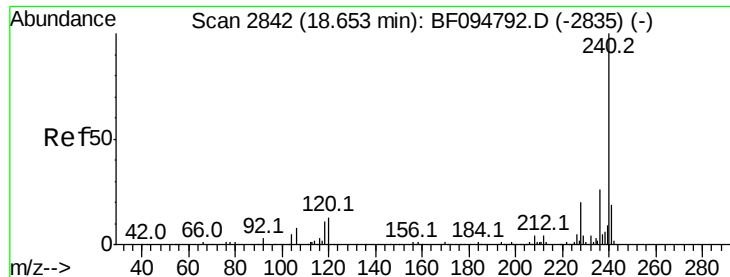
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF095038.D
Acq: 9 May 2017 23:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.2
80	13.1	10.2	15.2



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.64 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

Instrument :

BNA_F

ClientSampleId :

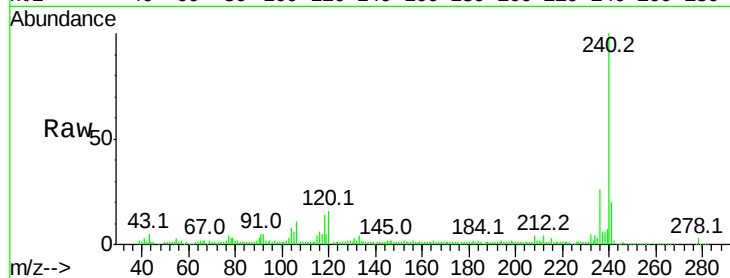
Tot Ion:240 Resp: 184634

Ion Ratio Lower Upper

240 100

120 16.0 5.8 8.8#

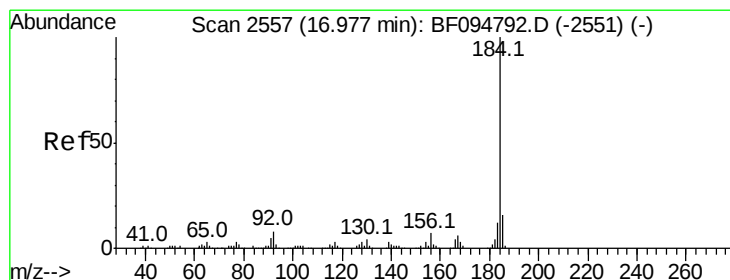
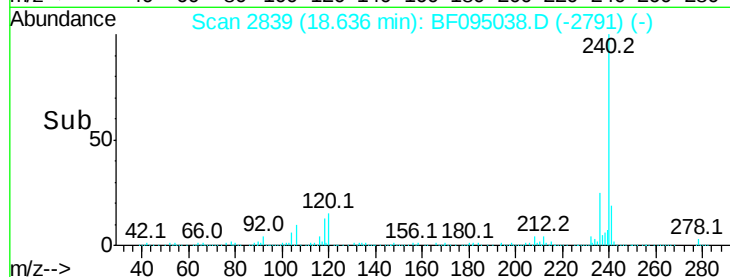
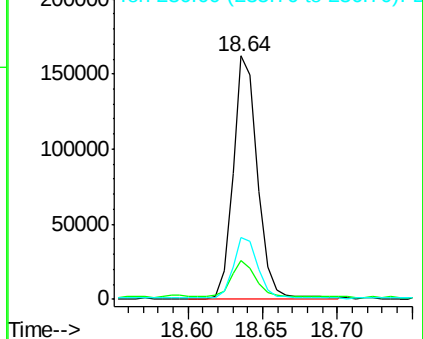
236 25.7 20.5 30.7



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



#76

Benzidine

Concen: 6.64 ng

RT: 16.94 min Scan# 2551

Delta R.T. -0.04 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

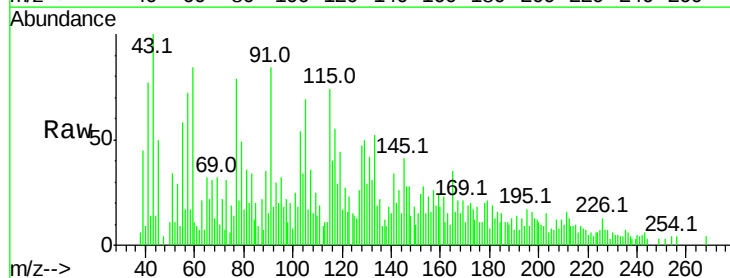
Tgt Ion:184 Resp: 293

Ion Ratio Lower Upper

184 100

185 146.0 15.5 23.3#

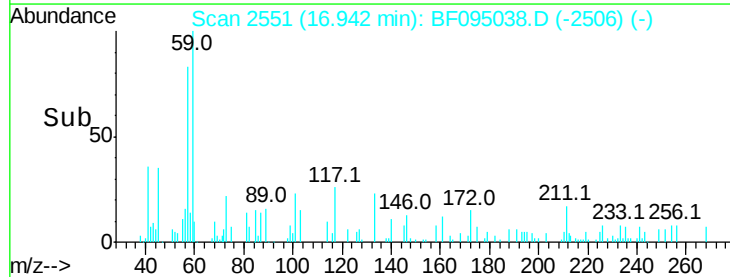
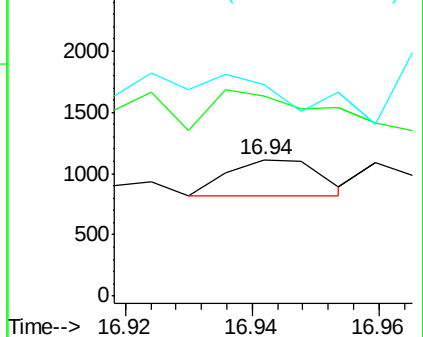
183 154.5 9.8 14.6#

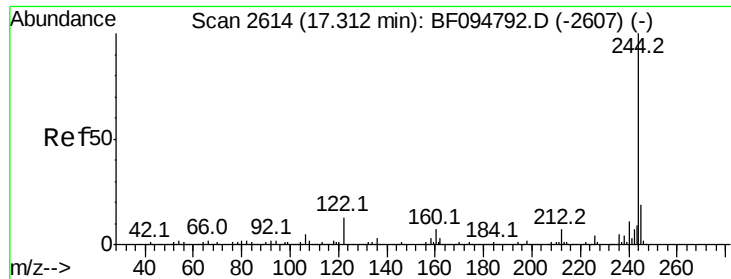


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 77.44 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

Instrument :

BNA_F

ClientSampleId :

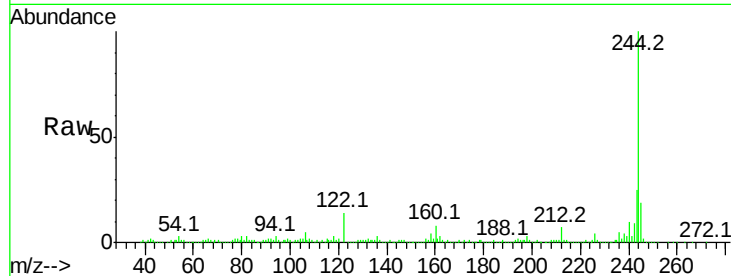
Tot Ion:244 Resp: 649138

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

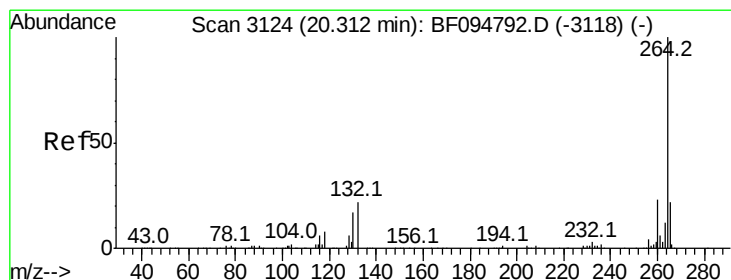
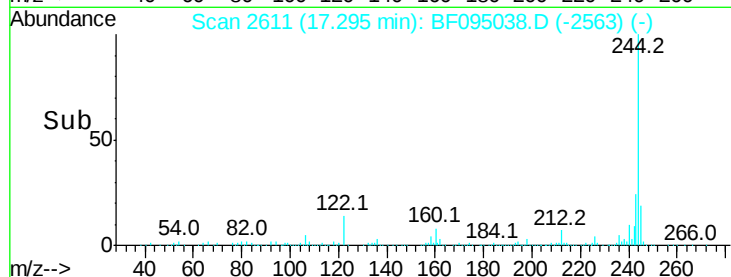
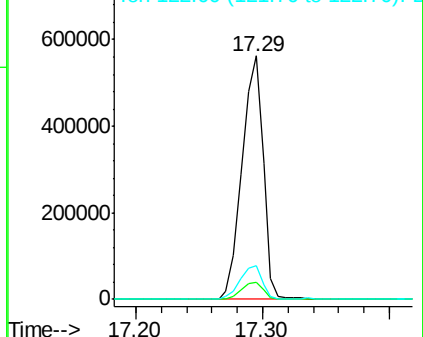
122 13.9 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 20.31 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BF095038.D

Acq: 9 May 2017 23:52

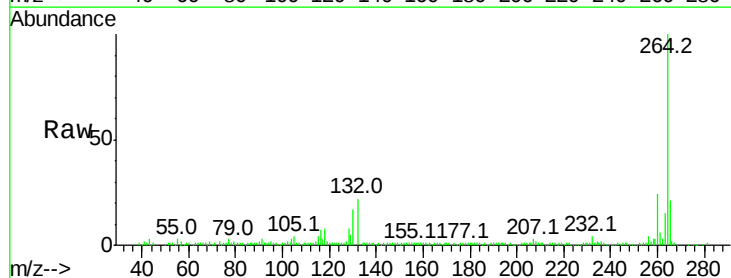
Tgt Ion:264 Resp: 152389

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.4 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

