

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF095019.D
 Acq On : 9 May 2017 12:39
 Operator : SJ/MA
 Sample : I3013-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 16:02:47 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	99165	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	378203	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	176570	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	275782	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	186364	20.00	ng	-0.02
86) Perylene-d12	20.30	264	168297	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	1069375	179.79	ng	-0.02
7) Phenol-d6	7.27	99	1343320	188.23	ng	-0.01
23) Nitrobenzene-d5	8.62	82	774357	129.11	ng	-0.01
41) 2,4,6-Tribromophenol	13.87	330	226411	156.57	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	1429214	116.50	ng	-0.02
78) Terphenyl-d14	17.29	244	982079	116.07	ng	-0.02

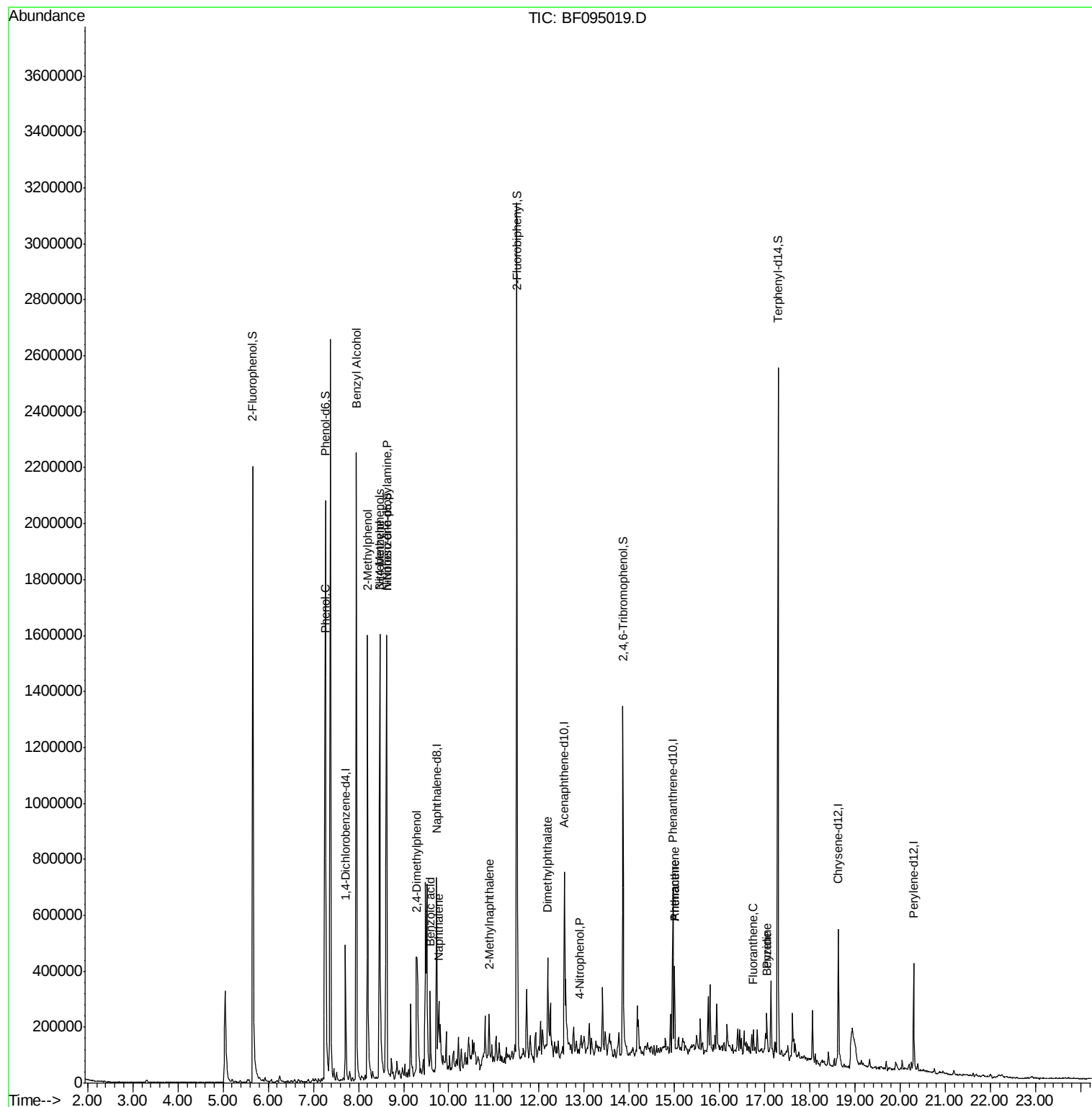
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.28	94	235195	31.27	ng	91
15) Benzyl Alcohol	7.95	79	12343	2.69	ng	# 45
17) 2-Methylphenol	8.20	107	410823	74.15	ng	95
19) n-Nitroso-di-n-propylamine	8.62	70	101107	20.95	ng	# 77
20) 3+4-Methylphenols	8.47	107	656922	87.26	ng	# 61
24) Nitrobenzene	8.47	77	202331	32.18	ng	# 46
27) 2,4-Dimethylphenol	9.28	122	94166	17.17	ng	97
31) Naphthalene	9.77	128	57288	3.01	ng	100
32) Benzoic acid	9.59	122	65758	21.41	ng	# 17
37) 2-Methylnaphthalene	10.90	142	60388	4.84	ng	98
49) Dimethylphthalate	12.20	163	180347	12.44	ng	98
55) 4-Nitrophenol	12.91	139	4671	2.45	ng	# 66
70) Phenanthrene	15.00	178	160263	10.11	ng	97
71) Anthracene	15.00	178	160263	9.90	ng	97
74) Fluoranthene	16.75	202	45007	2.77	ng	99
76) Benzidine	17.06	184	114	6.61	ng	# 1
77) Pyrene	17.05	202	64712	4.64	ng	97

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

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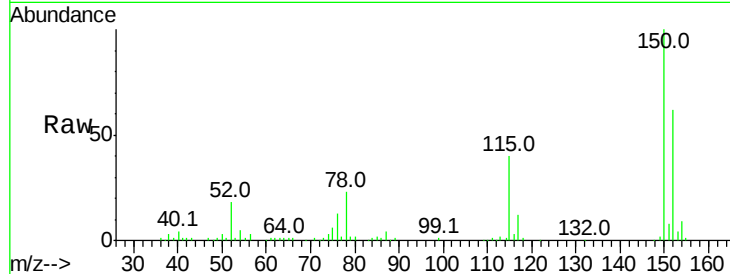


#1

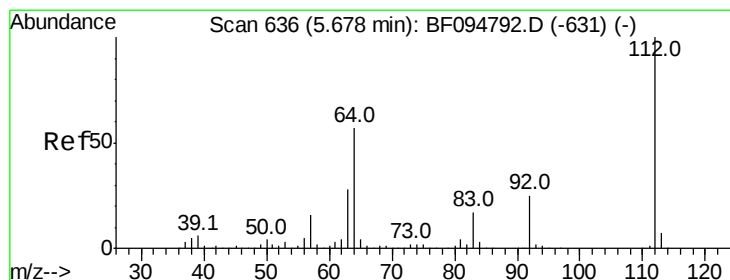
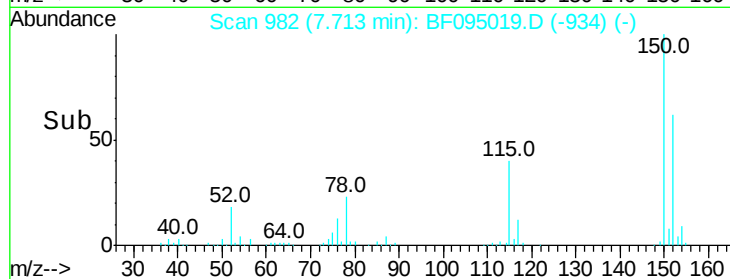
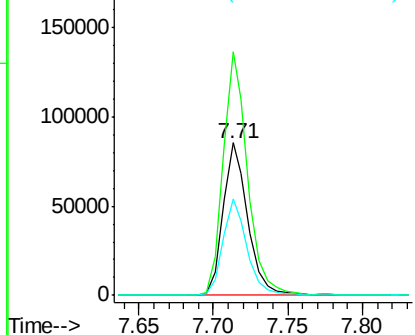
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 99165
Ion Ratio Lower Upper
152 100
150 160.1 126.2 189.2
115 63.4 52.2 78.2



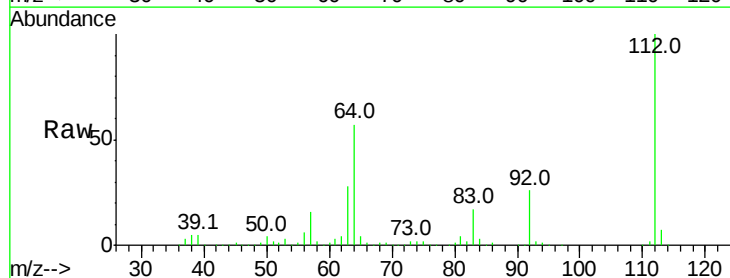
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



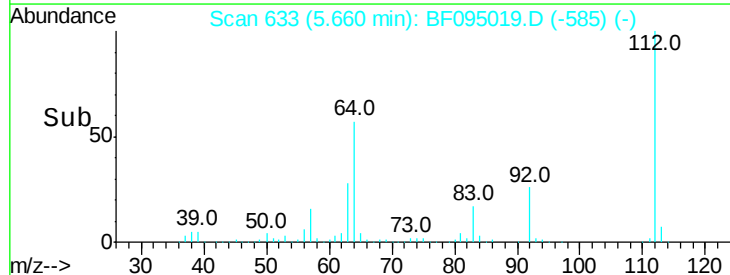
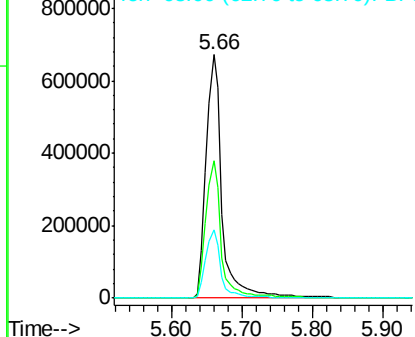
#5

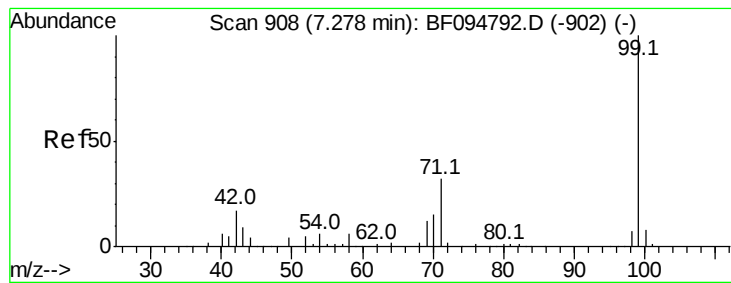
2-Fluorophenol
Concen: 179.79 ng
RT: 5.66 min Scan# 633
Delta R.T. -0.02 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Tgt Ion:112 Resp: 1069375
Ion Ratio Lower Upper
112 100
64 56.6 46.0 69.0
63 27.9 23.4 35.0



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: 188.23 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

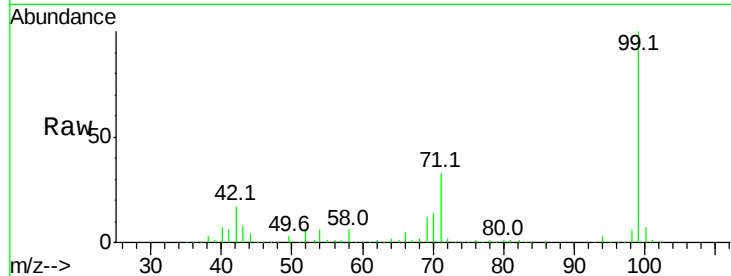
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1343320

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.5	20.3
71	32.5	24.5	36.7

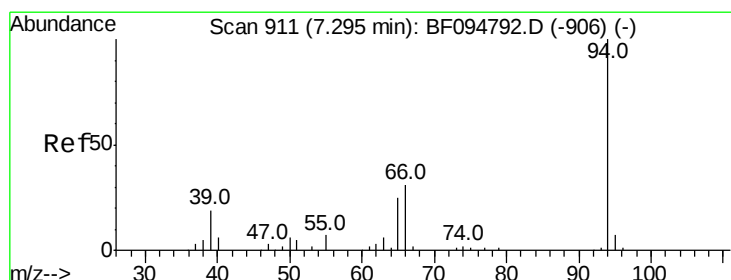
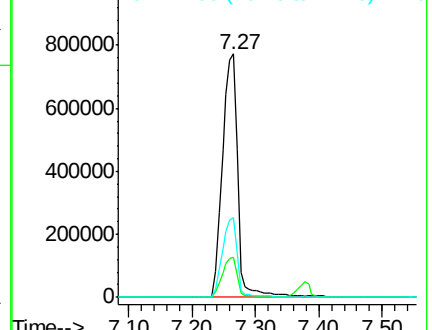
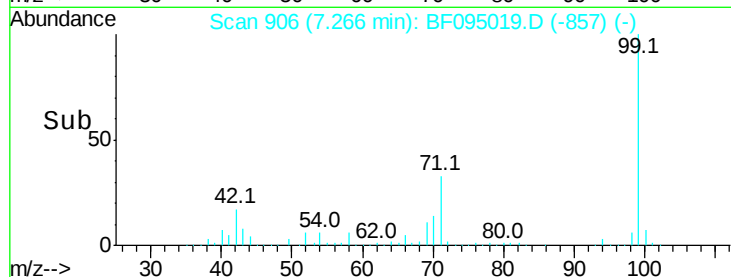


Abundance

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



#10

Phenol

Concen: 31.27 ng

RT: 7.28 min Scan# 908

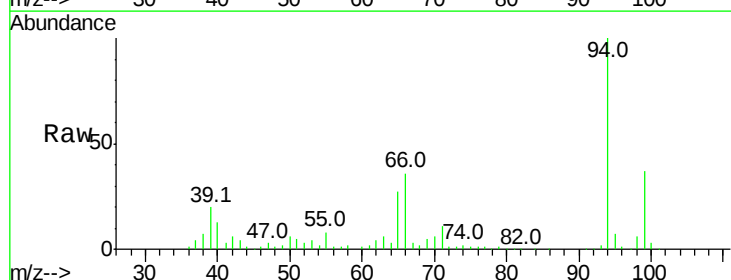
Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Tgt Ion: 94 Resp: 235195

Ion	Ratio	Lower	Upper
94	100		
65	26.7	9.9	49.9
66	35.5	23.1	63.1

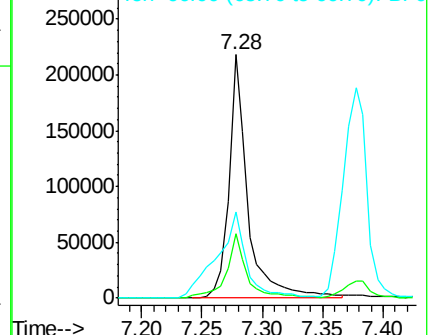
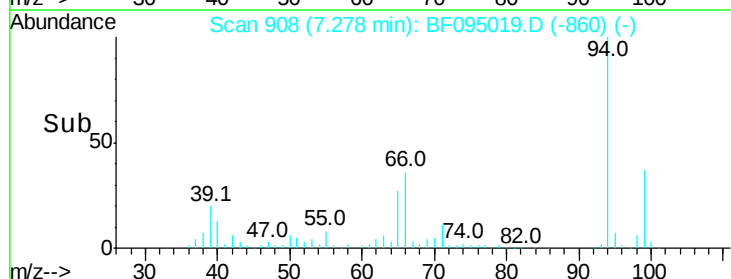


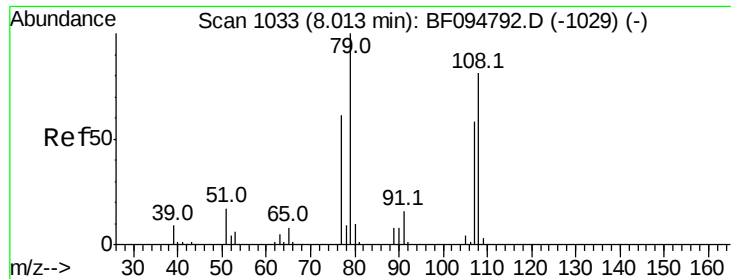
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

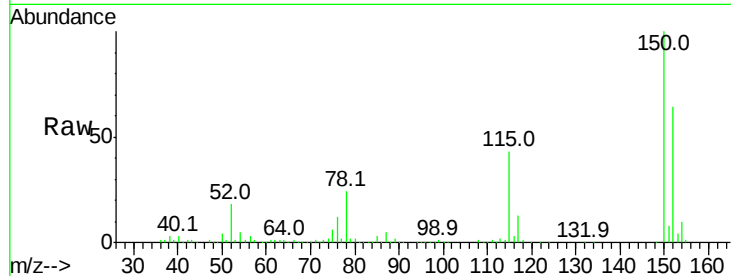




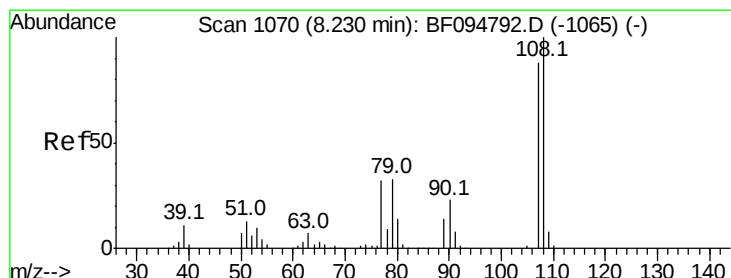
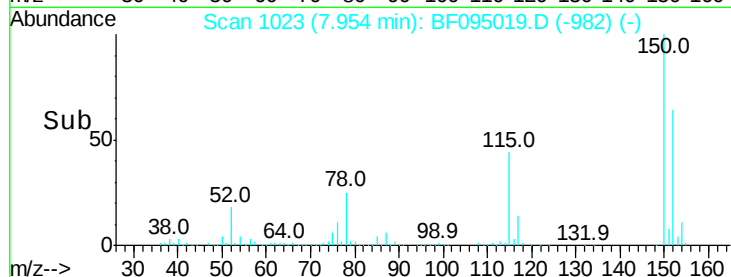
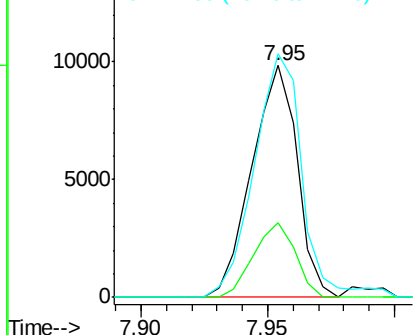
#15
Benzyl Alcohol
Concen: 2.69 ng
RT: 7.95 min Scan# 1023
Delta R.T. -0.06 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Instrument :
BNA_F
ClientSampled :

Tot Ion: 79 Resp: 12343
Ion Ratio Lower Upper
79 100
108 32.1 63.4 95.0#
77 105.0 49.2 73.8#



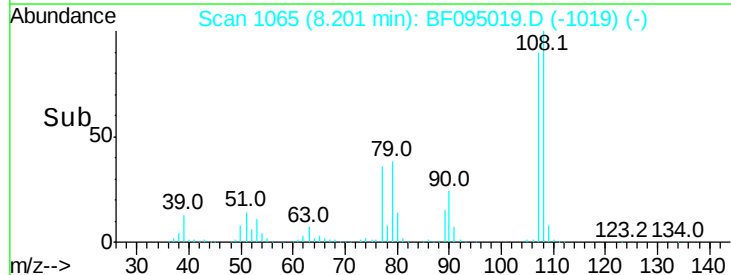
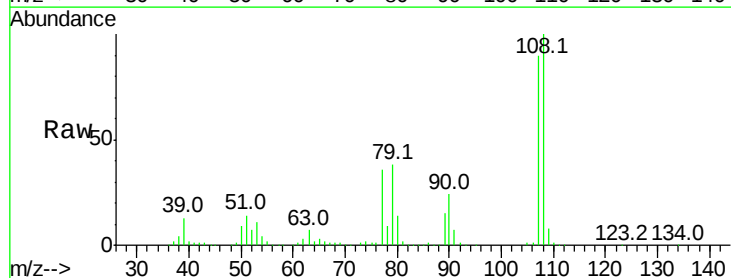
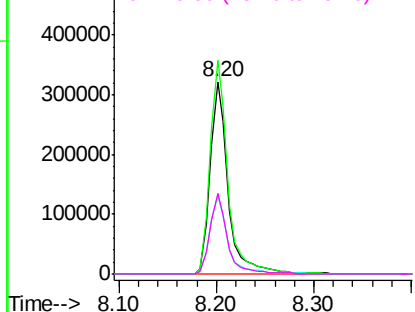
Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0

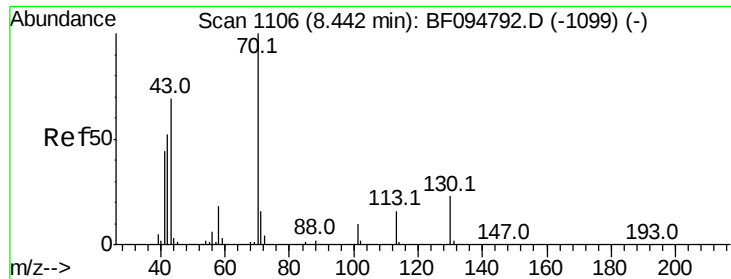


#17
2-Methylphenol
Concen: 74.15 ng
RT: 8.20 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Tgt Ion:107 Resp: 410823
Ion Ratio Lower Upper
107 100
108 110.9 93.4 140.0
77 40.4 35.8 53.6
79 41.9 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

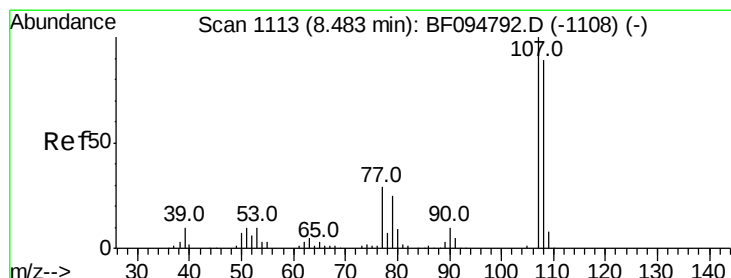
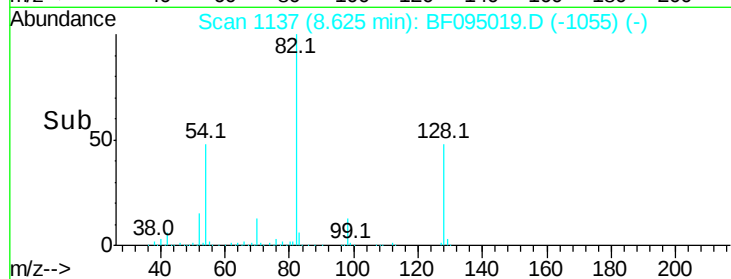
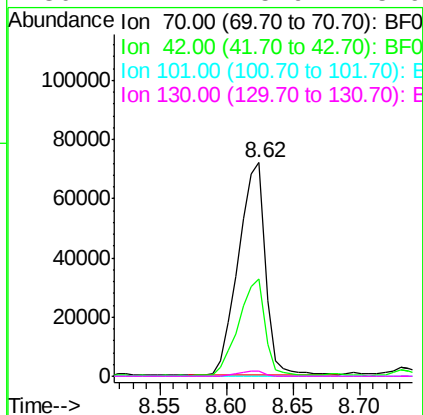
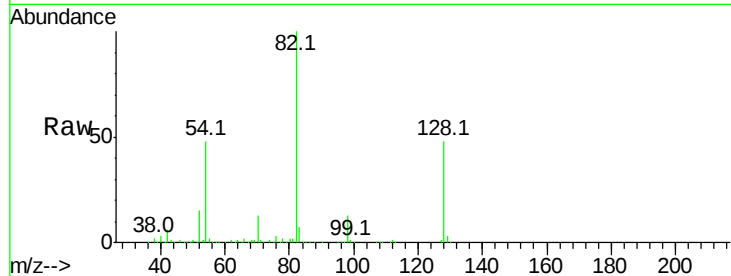




#19
n-Nitroso-di-n-propylamine
Concen: 20.95 ng
RT: 8.62 min Scan# 1137
Delta R.T. 0.18 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

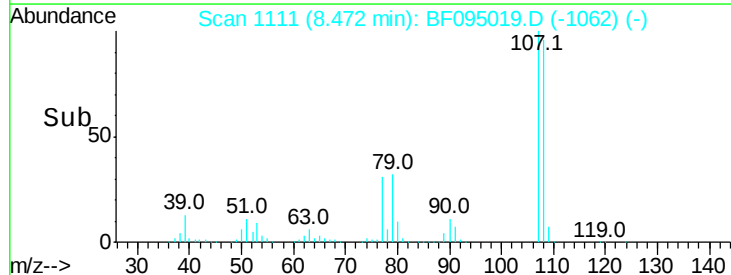
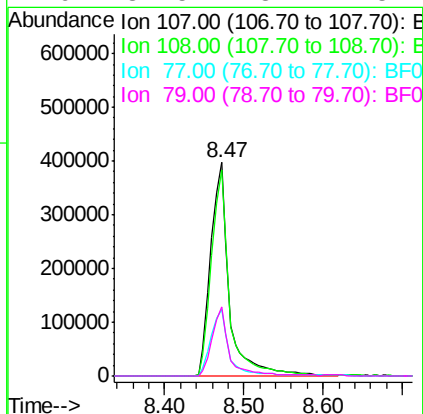
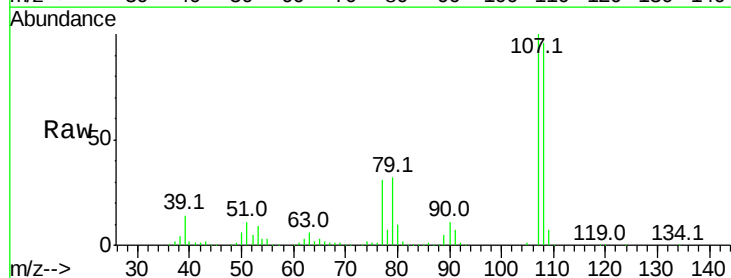
Instrument :
BNA_F
ClientSampleId :

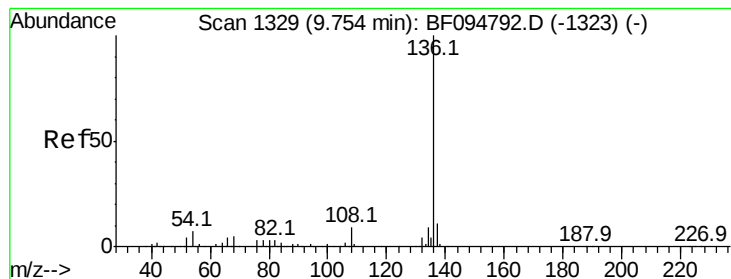
Tot Ion: 70 Resp: 101107
Ion Ratio Lower Upper
70 100
42 45.5 47.2 70.8#
101 0.0 7.2 10.8#
130 2.7 15.9 23.9#



#20
3+4-Methylphenols
Concen: 87.26 ng
RT: 8.47 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Tgt Ion: 107 Resp: 656922
Ion Ratio Lower Upper
107 100
108 96.4 71.0 111.0
77 31.5 90.5 130.5#
79 32.5 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.73 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 378203

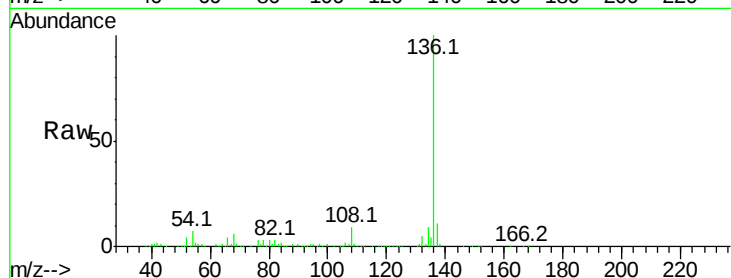
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.5 4.9 7.3#

68 5.7 4.1 6.1

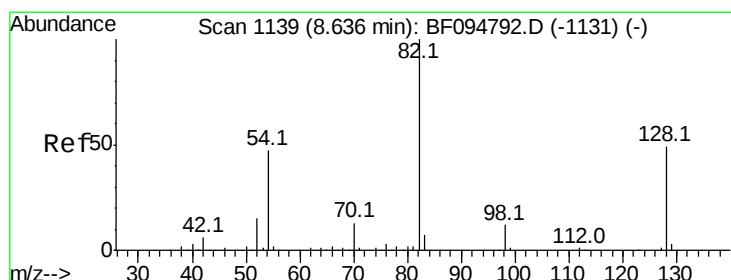
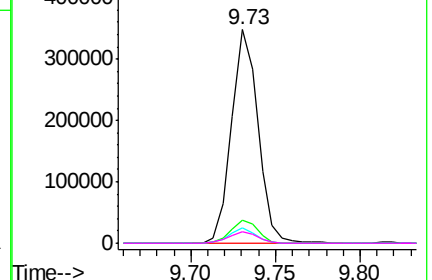
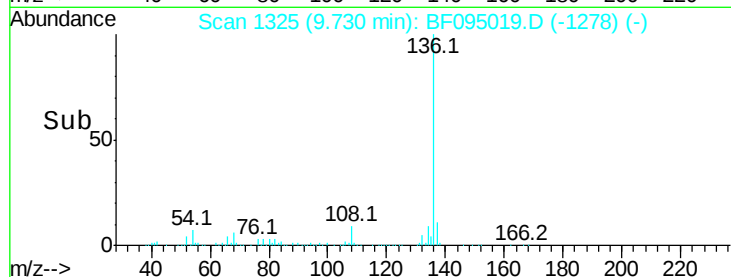


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 129.11 ng

RT: 8.62 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

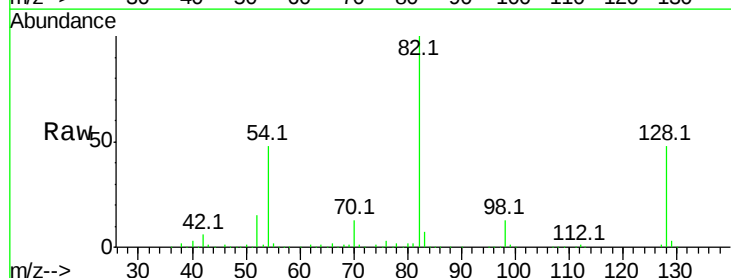
Tgt Ion: 82 Resp: 774357

Ion Ratio Lower Upper

82 100

128 48.0 34.0 51.0

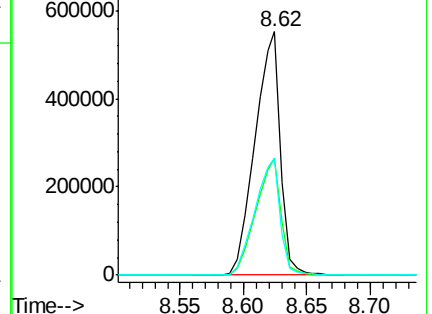
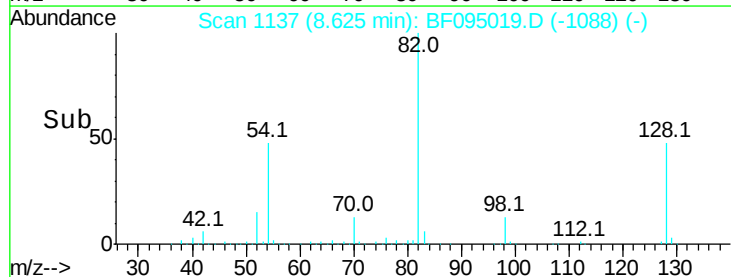
54 48.1 42.2 63.2

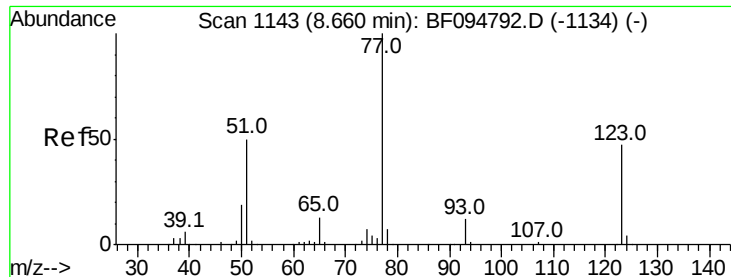


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

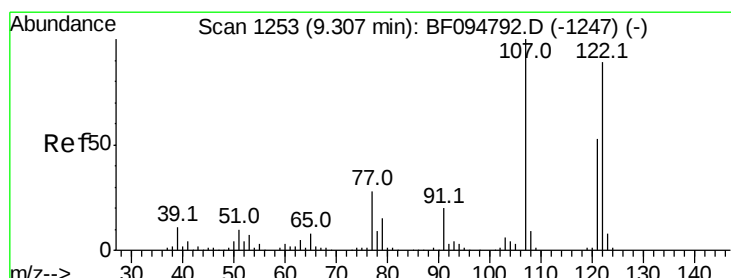
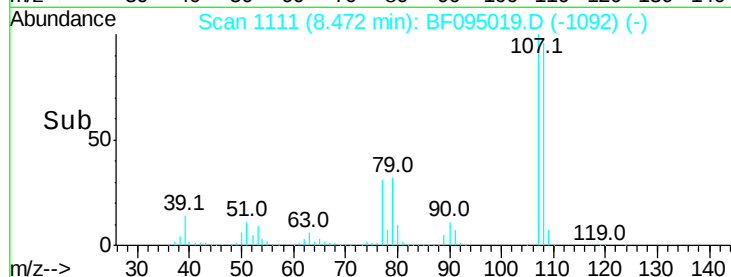
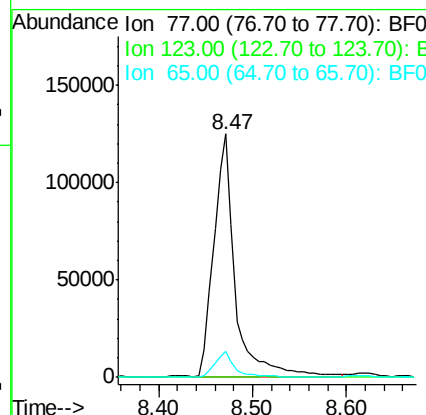
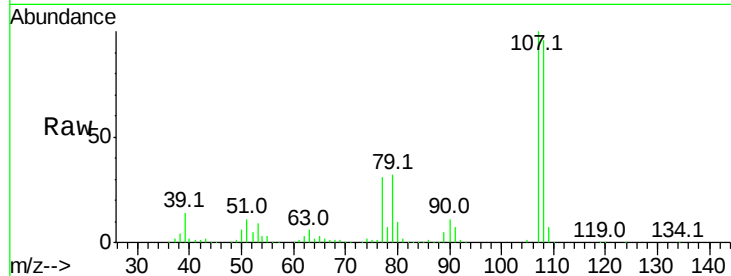




#24
 Nitrobenzene
 Concen: 32.18 ng
 RT: 8.47 min Scan# 1111
 Delta R.T. -0.19 min
 Lab File: BF095019.D
 Acq: 9 May 2017 12:39

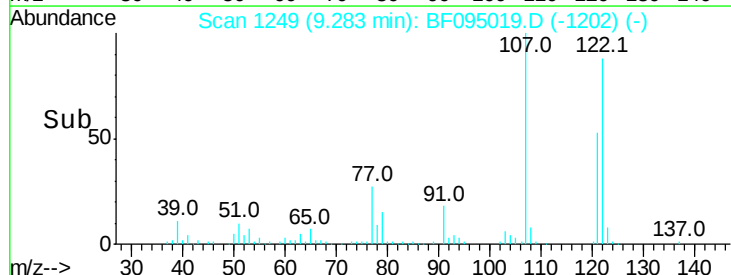
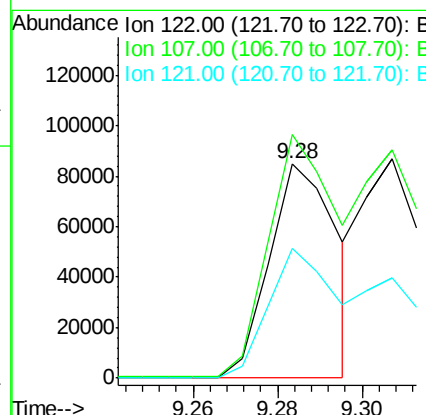
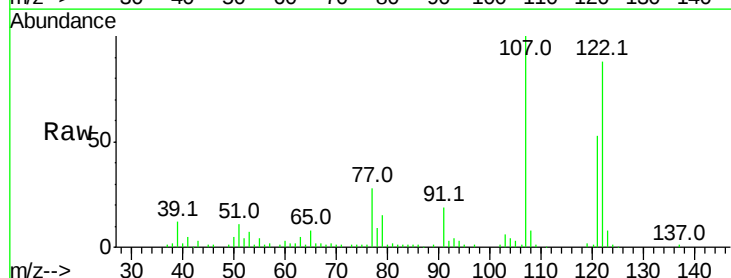
Instrument :
 BNA_F
 ClientSampleId :

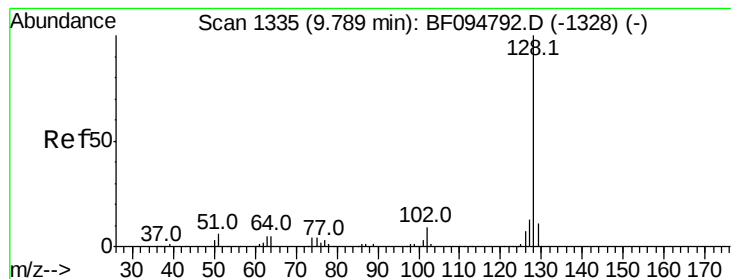
Tot Ion: 77 Resp: 202331
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.8 53.8#
 65 10.7 10.6 15.8



#27
 2,4-Dimethylphenol
 Concen: 17.17 ng
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: BF095019.D
 Acq: 9 May 2017 12:39

Tgt Ion:122 Resp: 94166
 Ion Ratio Lower Upper
 122 100
 107 113.3 89.2 133.8
 121 60.6 45.2 67.8





#31

Naphthalene

Concen: 3.01 ng

RT: 9.77 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Instrument :

BNA_F

ClientSampleId :

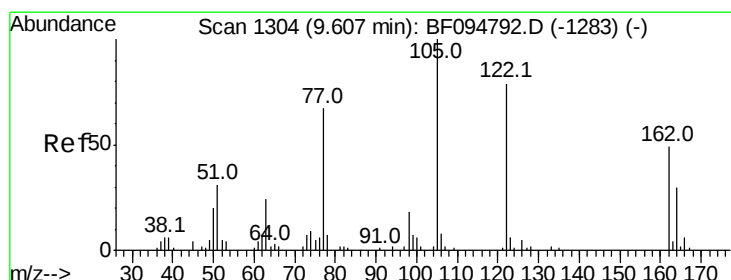
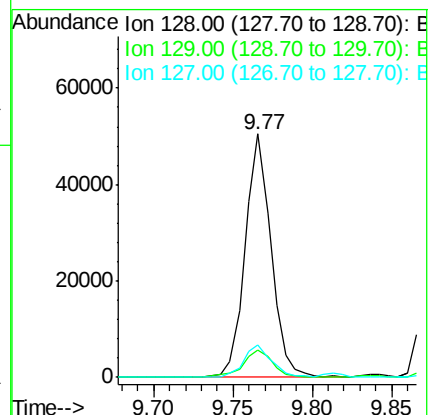
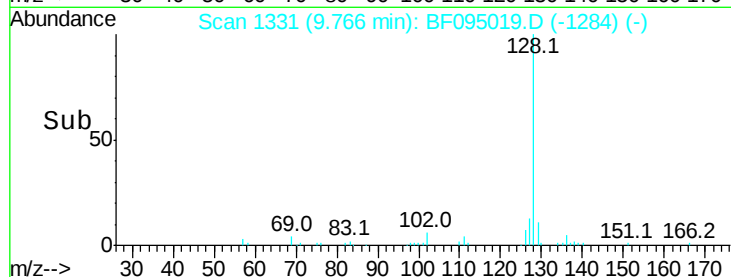
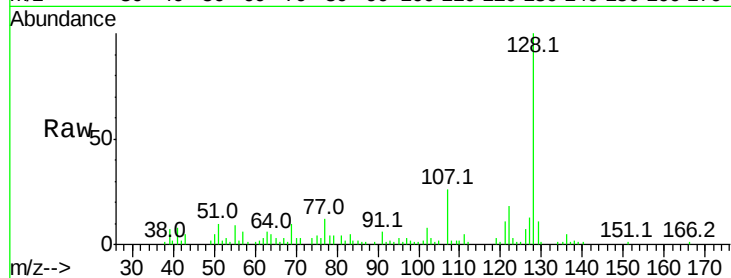
Tot Ion:128 Resp: 57288

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

127 13.3 10.8 16.2



#32

Benzoic acid

Concen: 21.41 ng

RT: 9.59 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

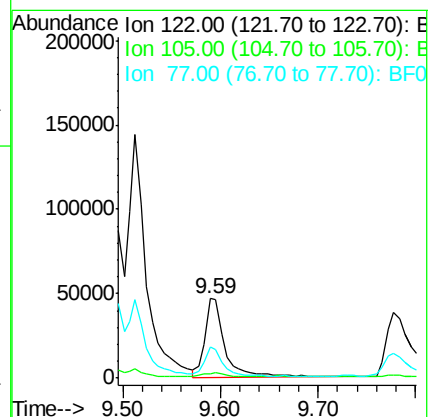
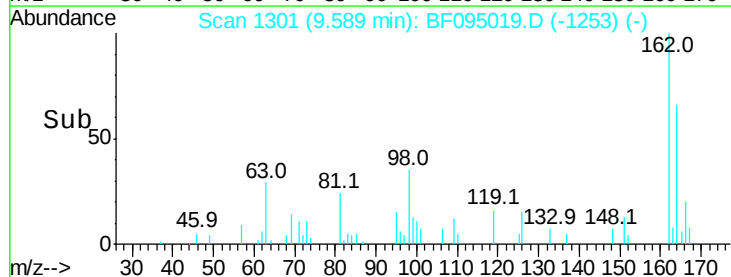
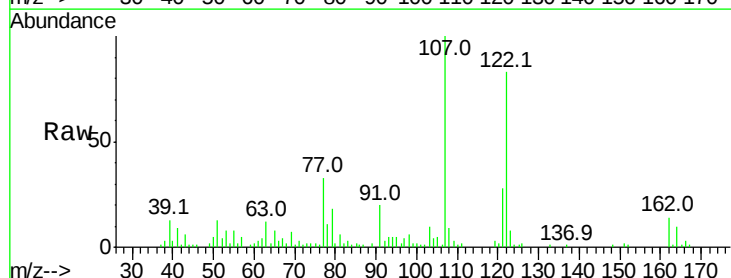
Tgt Ion:122 Resp: 65758

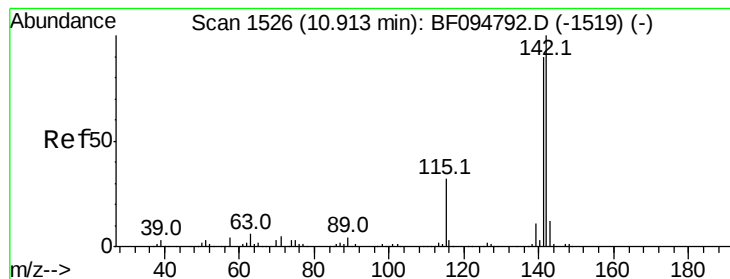
Ion Ratio Lower Upper

122 100

105 5.9 103.3 143.3#

77 39.8 73.7 113.7#





#37

2-Methylnaphthalene

Concen: 4.84 ng

RT: 10.90 min Scan# 1523

Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Instrument :

BNA_F

ClientSampleId :

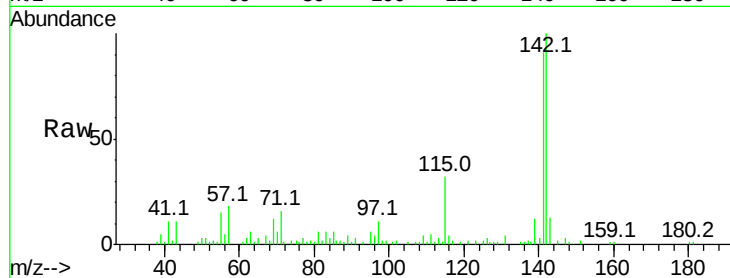
Tot Ion:142 Resp: 60388

Ion Ratio Lower Upper

142 100

141 90.9 71.3 106.9

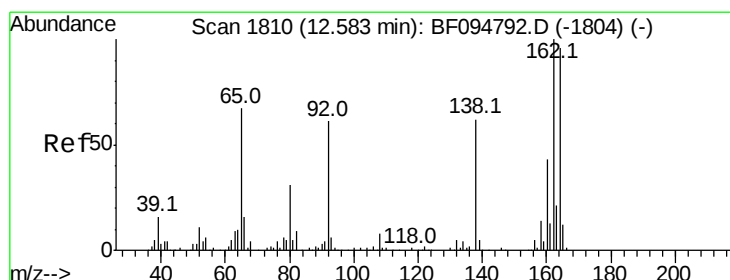
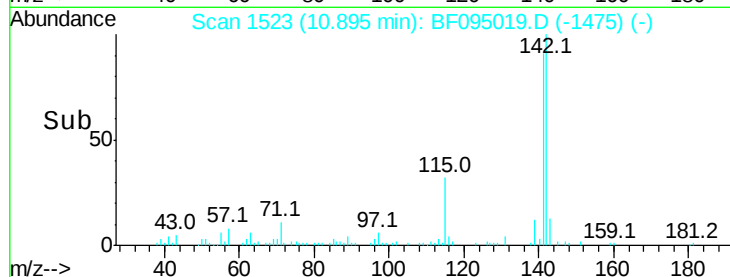
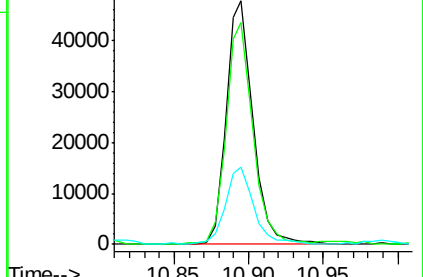
115 31.9 27.1 40.7



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: 12.56 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

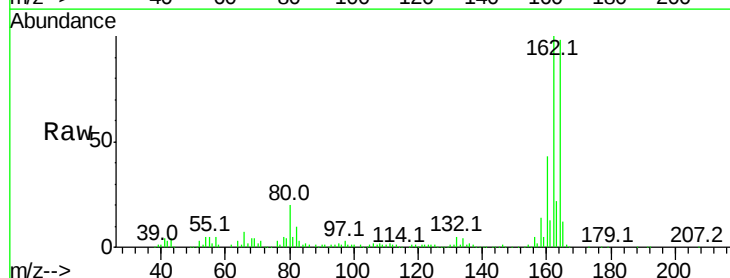
Tgt Ion:164 Resp: 176570

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

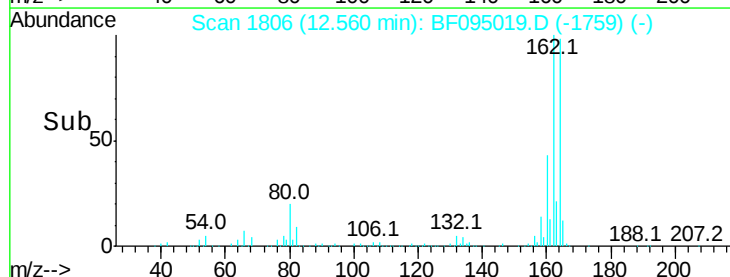
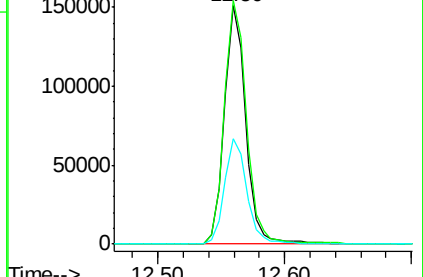
160 44.1 36.2 54.2

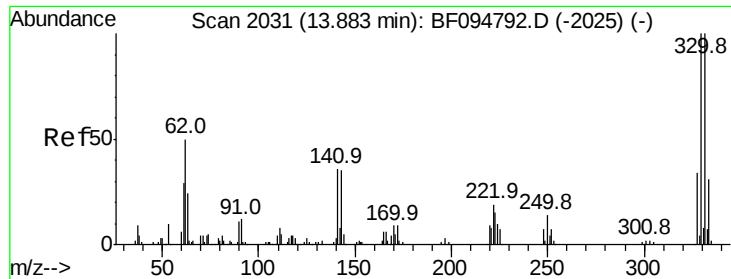


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

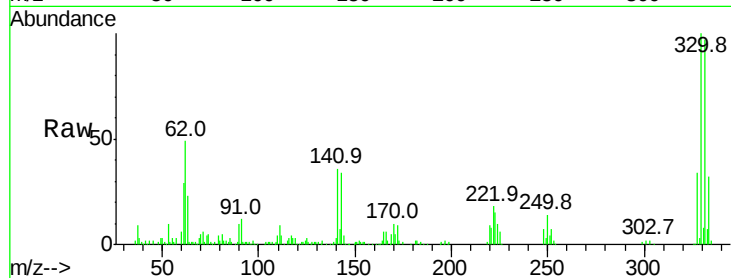




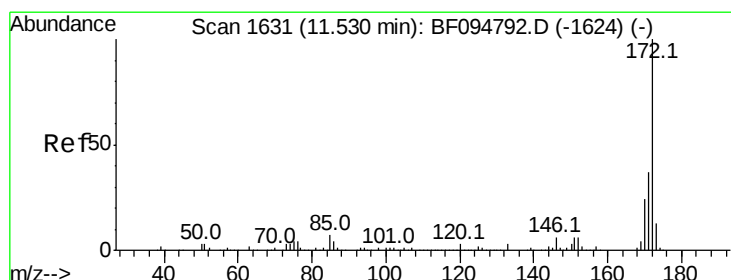
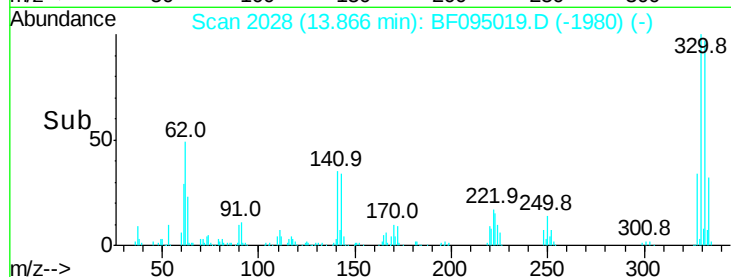
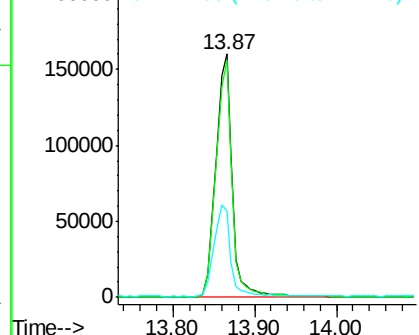
#41
 2,4,6-Tribromophenol
 Concen: 156.57 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF095019.D
 Acq: 9 May 2017 12:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 226411
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 38.5 31.4 47.2

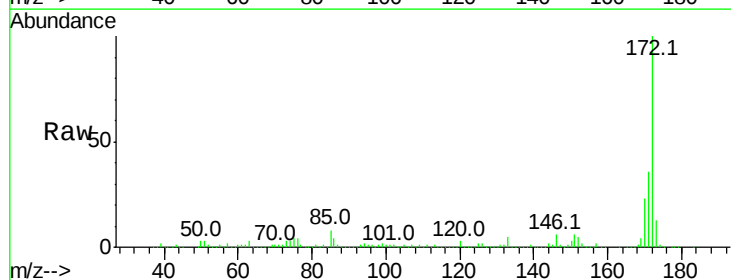


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

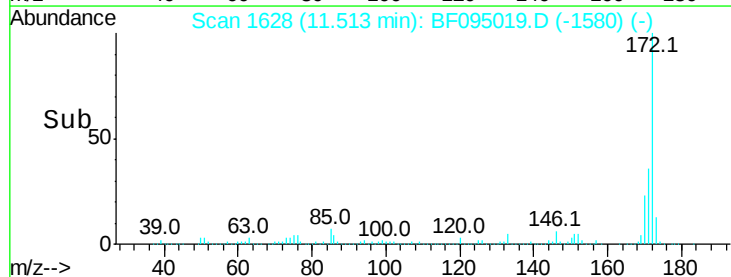
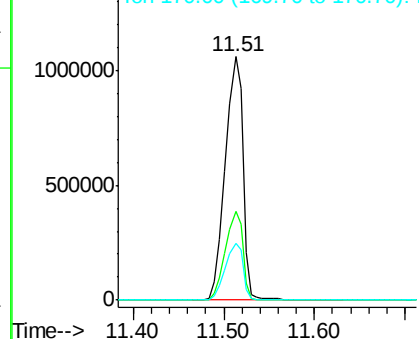


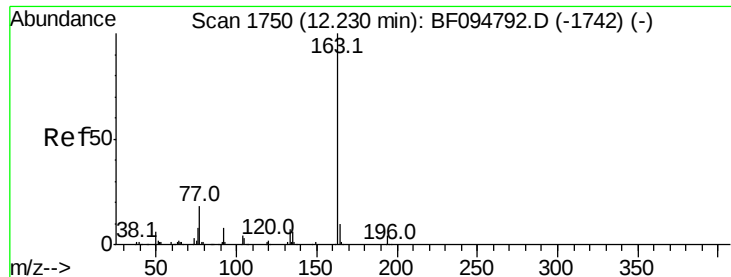
#44
 2-Fluorobiphenyl
 Concen: 116.50 ng
 RT: 11.51 min Scan# 1628
 Delta R.T. -0.02 min
 Lab File: BF095019.D
 Acq: 9 May 2017 12:39

Tgt Ion:172 Resp: 1429214
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.5 19.8 29.8



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





#49

Dimethylphthalate

Concen: 12.44 ng

RT: 12.20 min Scan# 1744

Delta R.T. -0.04 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Instrument :

BNA_F

ClientSampleId :

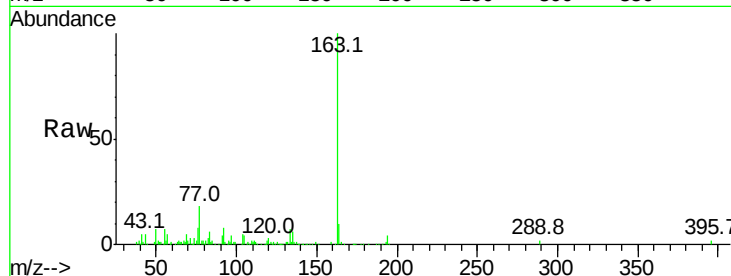
Tot Ion:163 Resp: 180347

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

164 9.8 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

200000

150000

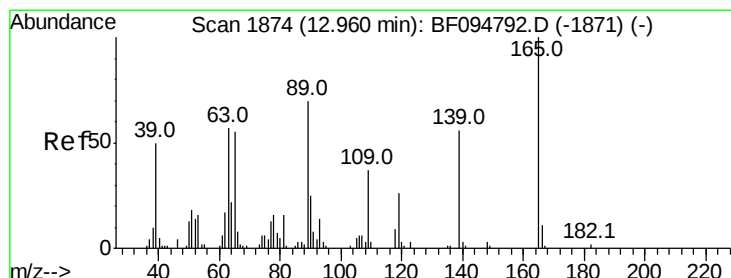
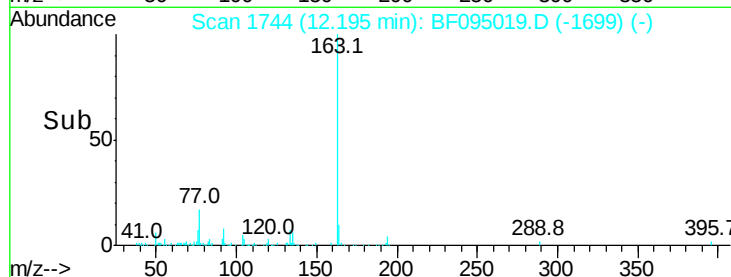
100000

50000

0

12.10 12.20 12.30 12.40

Time-->



#55

4-Nitrophenol

Concen: 2.45 ng

RT: 12.91 min Scan# 1866

Delta R.T. -0.05 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

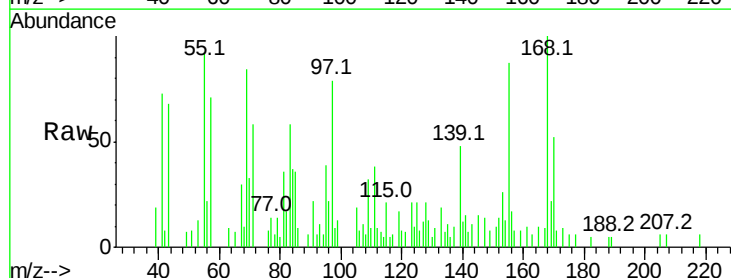
Tgt Ion:139 Resp: 4671

Ion Ratio Lower Upper

139 100

109 66.0 34.1 74.1

65 14.7 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

4000

3000

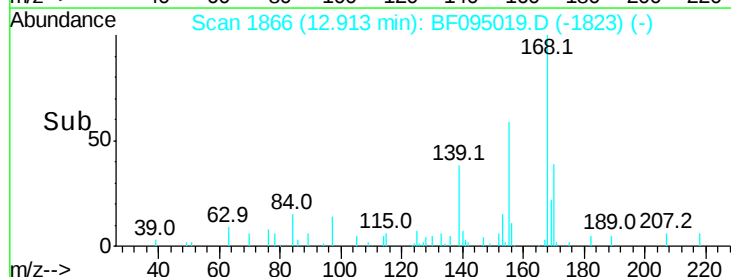
2000

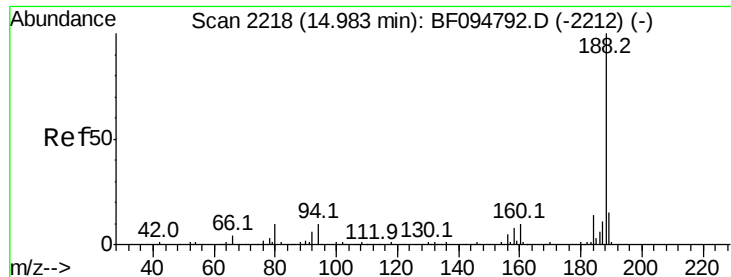
1000

0

12.85 12.90 12.95 13.00

Time-->

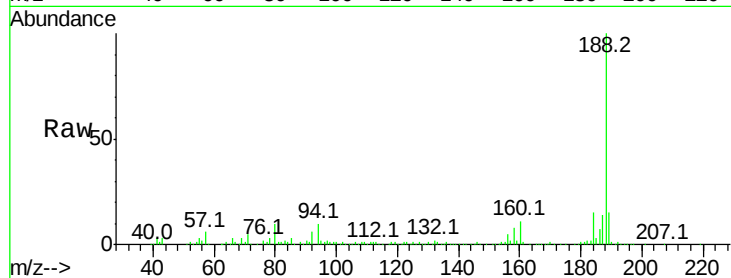




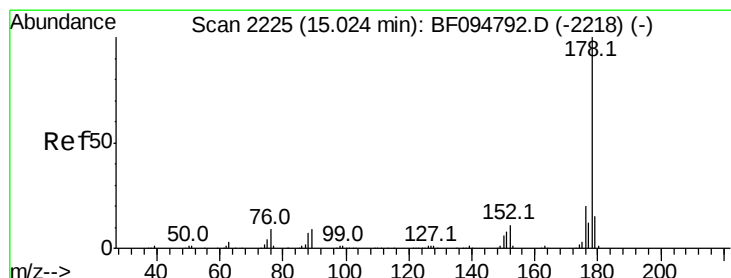
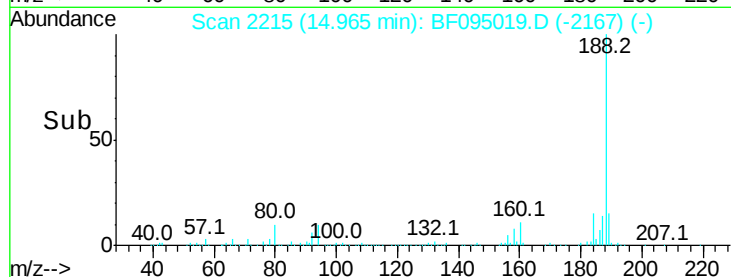
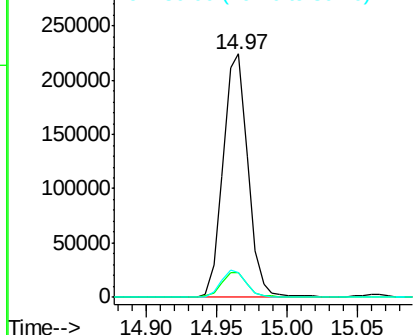
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 275782
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 10.3 10.2 15.2

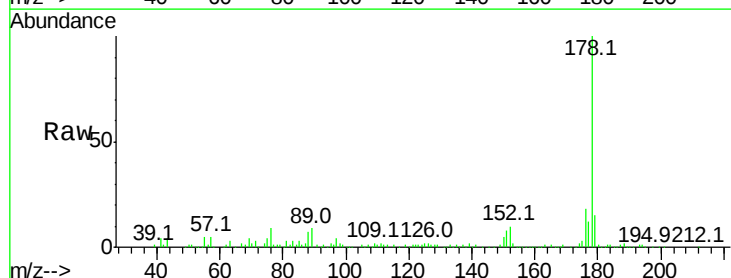


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

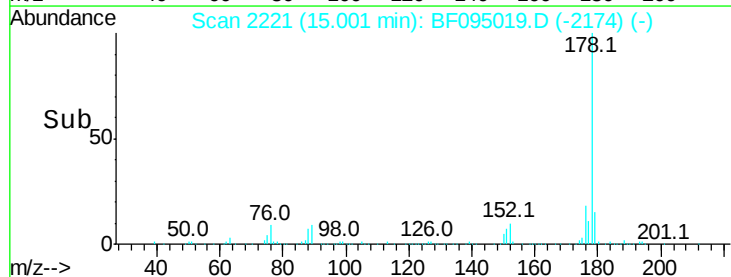
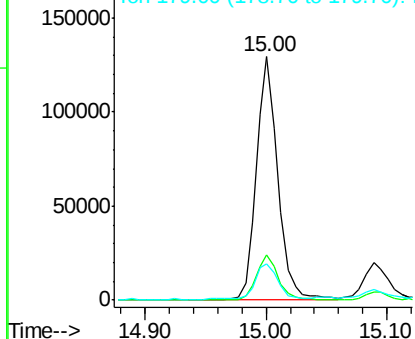


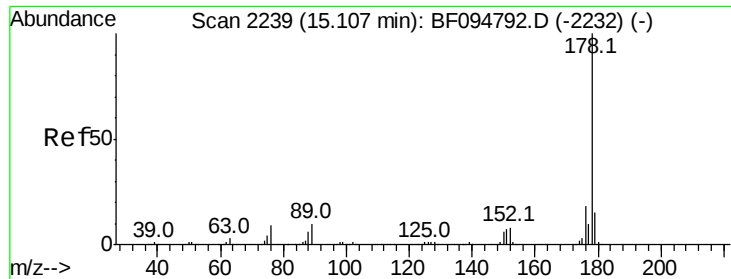
#70
Phenanthrene
Concen: 10.11 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Tgt Ion:178 Resp: 160263
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.4
179 14.9 12.6 19.0



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

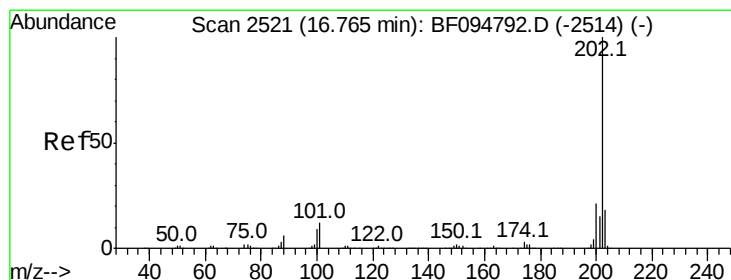
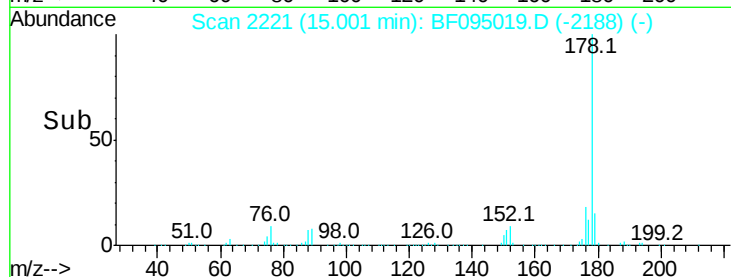
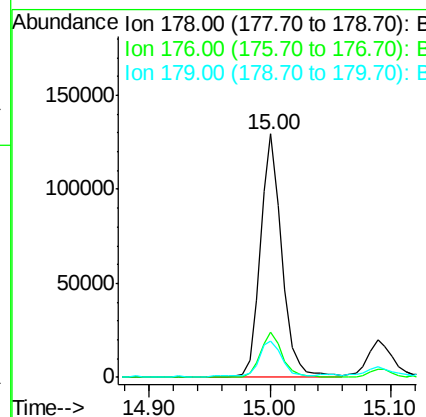
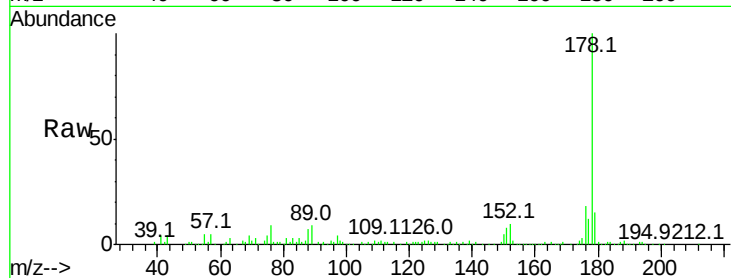




#71
 Anthracene
 Concen: 9.90 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.11 min
 Lab File: BF095019.D
 Acq: 9 May 2017 12:39

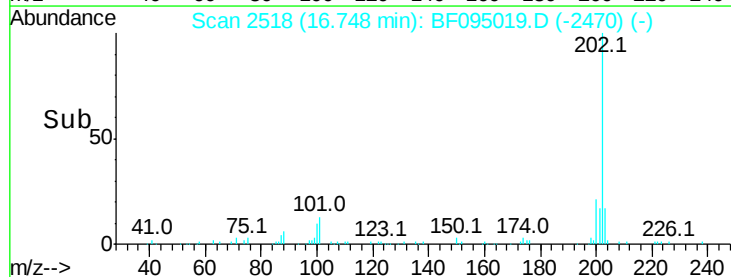
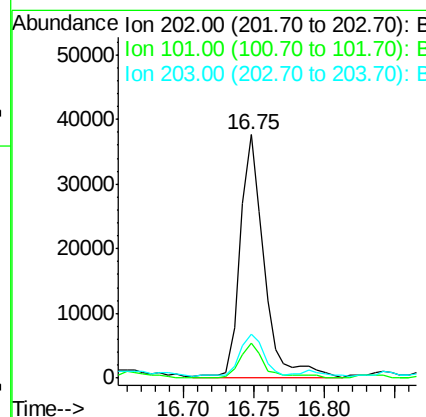
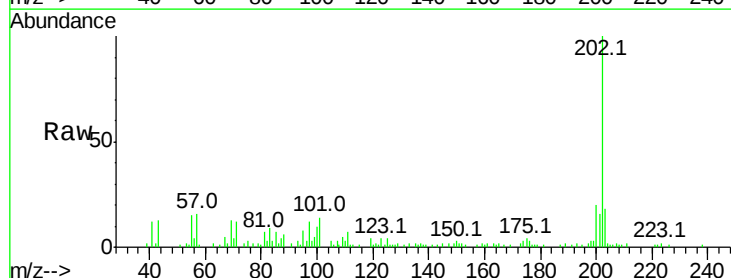
Instrument :
 BNA_F
 ClientSampleId :

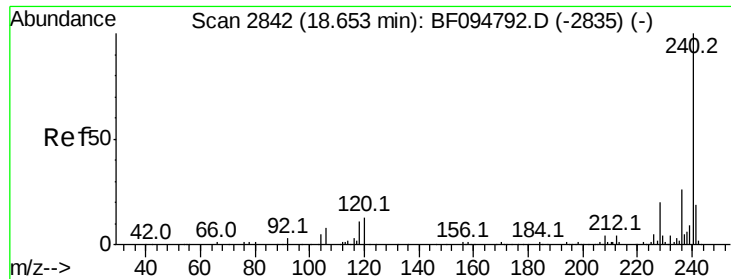
Tot Ion:178 Resp: 160263
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 14.9 12.7 19.1



#74
 Fluoranthene
 Concen: 2.77 ng
 RT: 16.75 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BF095019.D
 Acq: 9 May 2017 12:39

Tgt Ion:202 Resp: 45007
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 33.2
 203 18.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 2838

Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Instrument :

BNA_F

ClientSampleId :

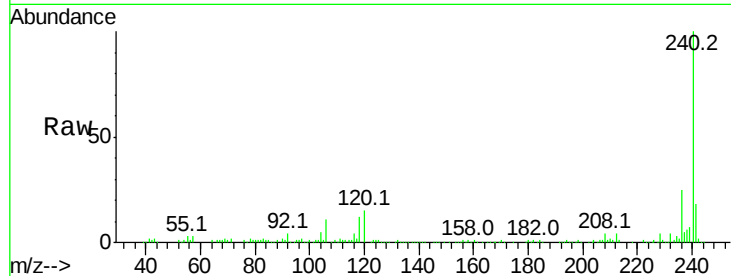
Tot Ion:240 Resp: 186364

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

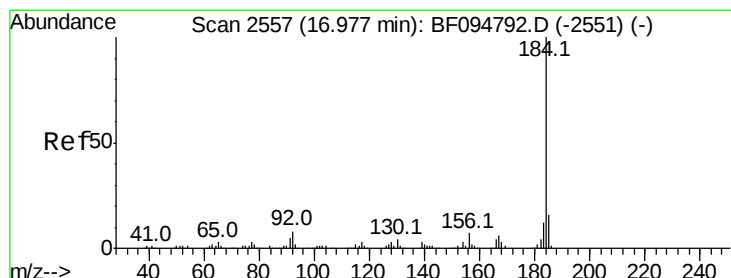
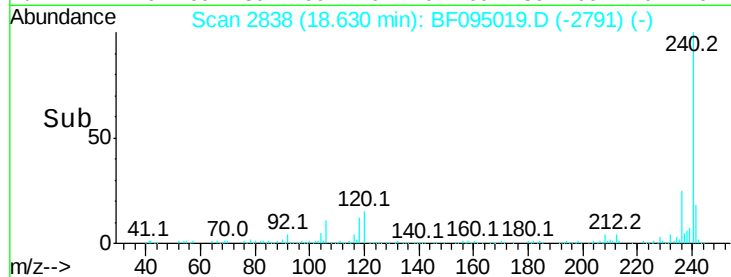
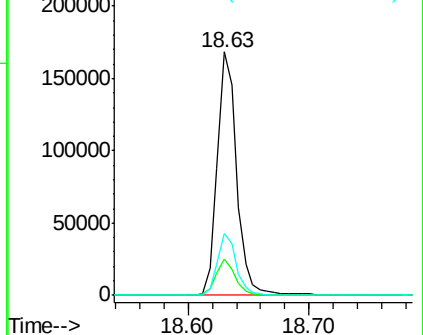
236 25.2 20.5 30.7



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: 6.61 ng

RT: 17.06 min Scan# 2571

Delta R.T. 0.08 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

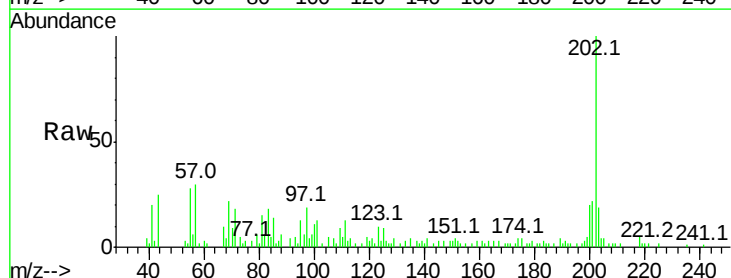
Tgt Ion:184 Resp: 114

Ion Ratio Lower Upper

184 100

185 138.7 15.5 23.3#

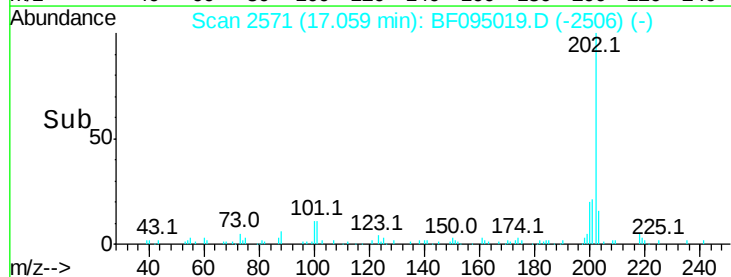
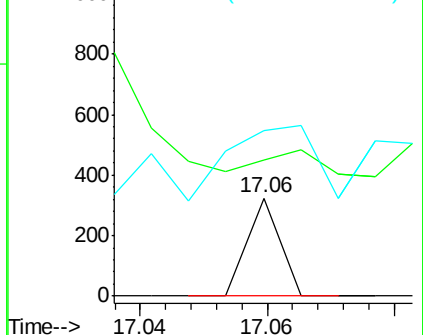
183 169.0 9.8 14.6#

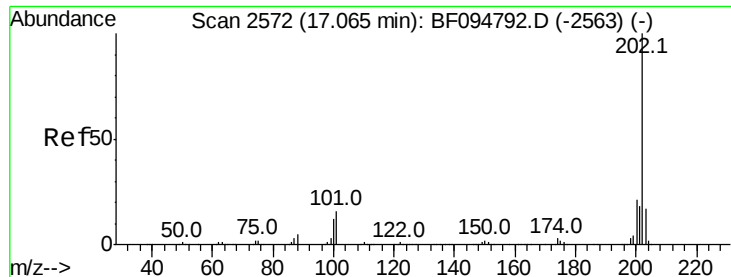


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 4.64 ng

RT: 17.05 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

Instrument :

BNA_F

ClientSampleId :

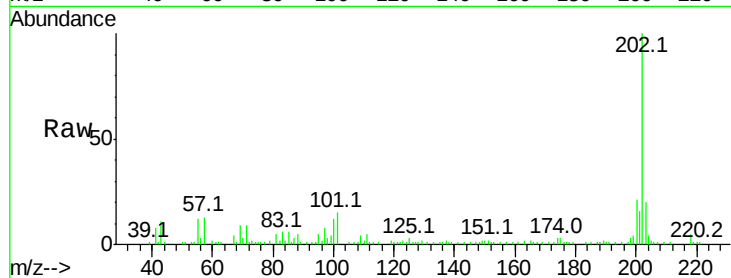
Tot Ion:202 Resp: 64712

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	19.6	14.4	21.6

202 100

200 21.2 17.6 26.4

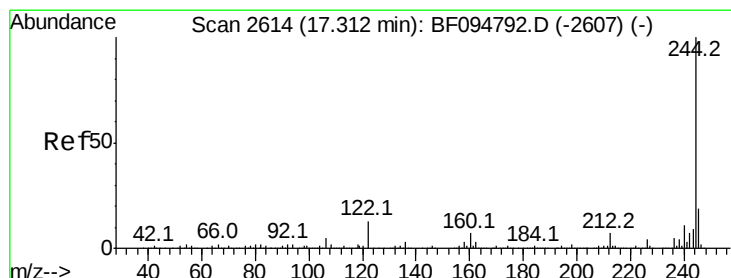
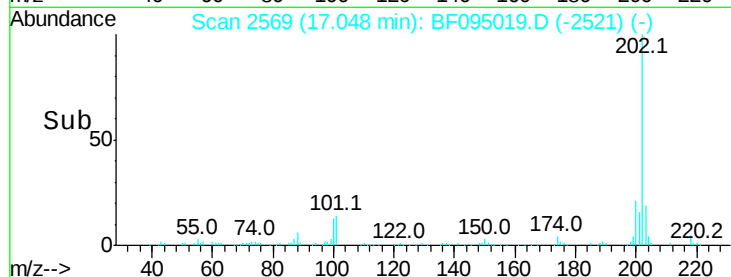
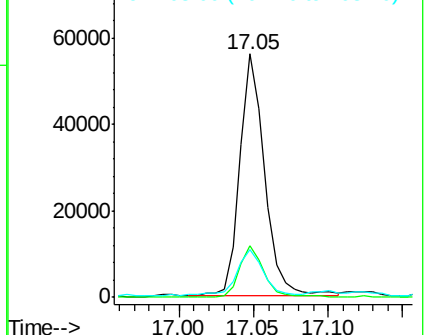
203 19.6 14.4 21.6



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: 116.07 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF095019.D

Acq: 9 May 2017 12:39

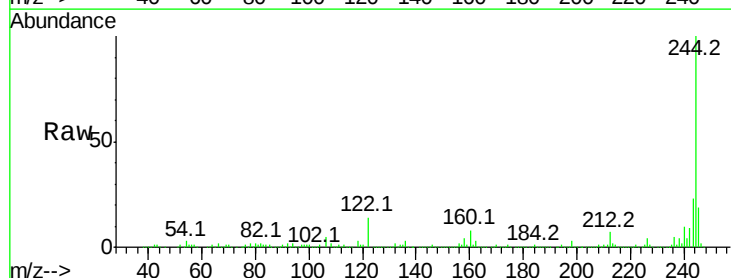
Tgt Ion:244 Resp: 982079

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.8	10.3	15.5

244 100

212 6.9 6.0 9.0

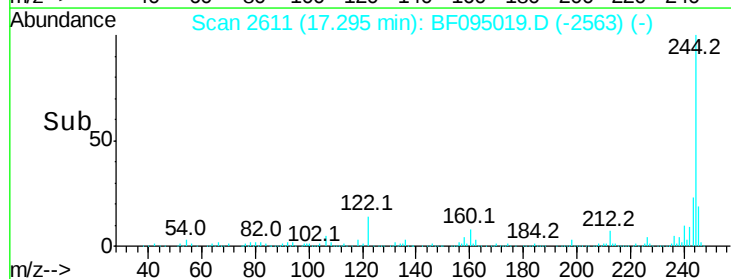
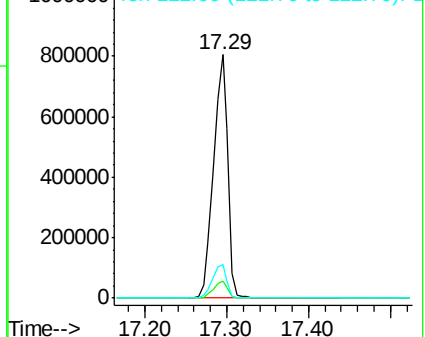
122 13.8 10.3 15.5

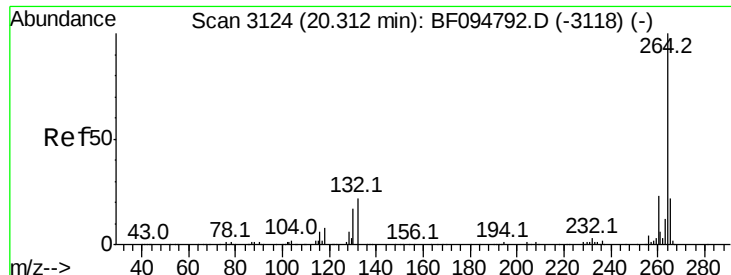


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

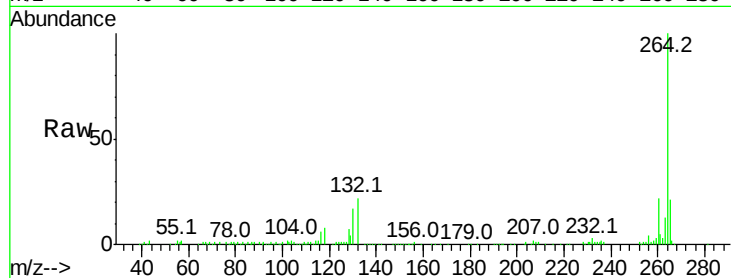




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095019.D
Acq: 9 May 2017 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.5	29.3
265	20.9	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

