

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
 Data File : BF095097.D
 Acq On : 12 May 2017 00:25
 Operator : SJ/MA
 Sample : I3058-04 20X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 12 03:00:38 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	7.70	152	85944	20.00	ng	-0.03
21) Naphthalene-d8	9.72	136	341572	20.00	ng	-0.04
38) Acenaphthene-d10	12.55	164	161628	20.00	ng	-0.04
63) Phenanthrene-d10	14.95	188	276096	20.00	ng	-0.03
75) Chrysene-d12	18.65	240	182071	20.00	ng	0.00
86) Perylene-d12	20.31	264	169692	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.74	112	1199	0.23	ng	0.06
7) Phenol-d6	7.44	99	1851	0.30	ng	0.16
23) Nitrobenzene-d5	8.61	82	361	0.07	ng	-0.03
41) 2,4,6-Tribromophenol	13.91	330	111	0.08	ng	0.02
44) 2-Fluorobiphenyl	11.51	172	5041	0.45	ng	-0.02
78) Terphenyl-d14	17.30	244	2830	0.34	ng	-0.01

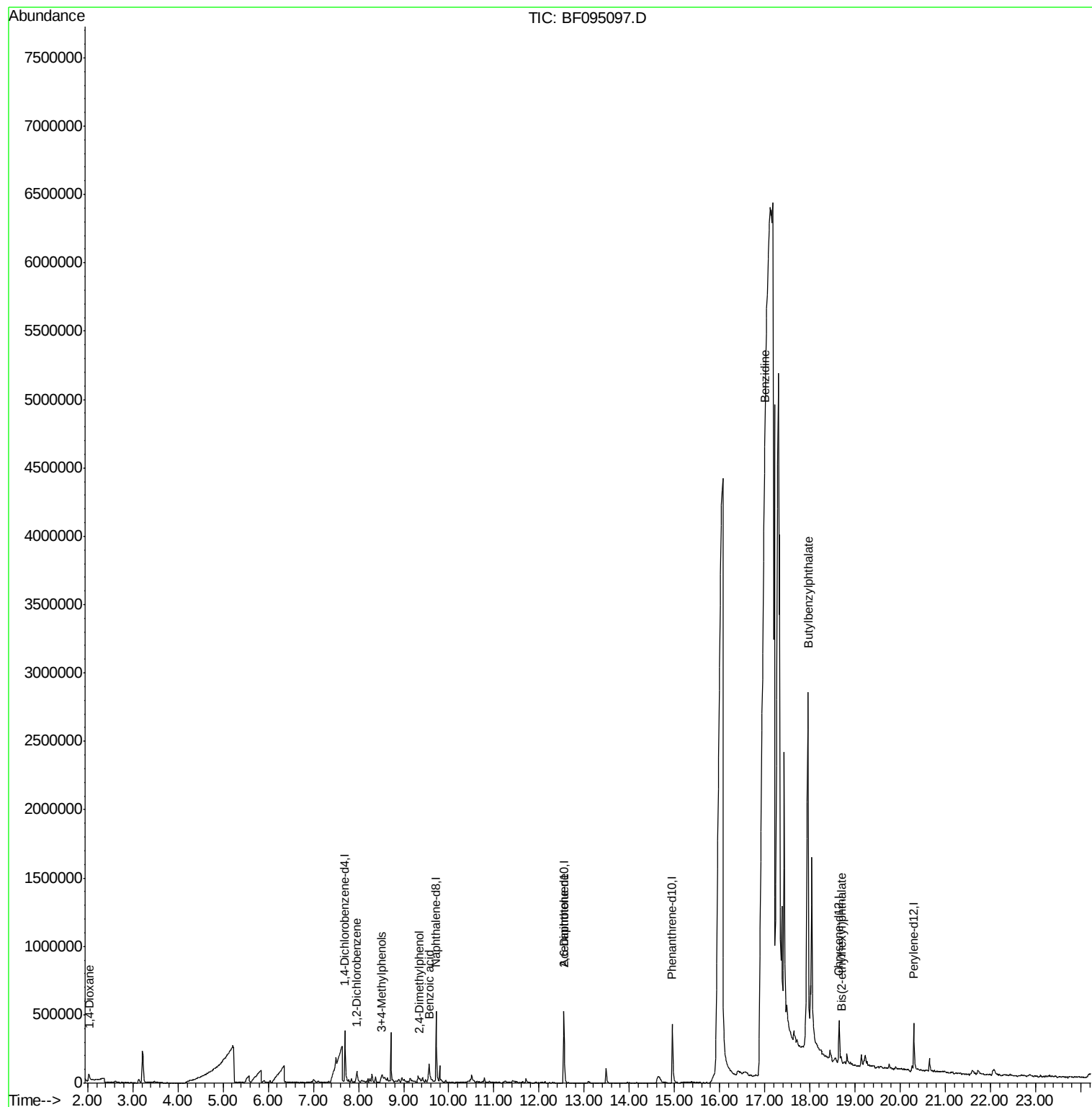
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.03	88	30311	11.99	ng	# 90
14) 1,2-Dichlorobenzene	7.97	146	31347	4.98	ng	# 98
20) 3+4-Methylphenols	8.50	107	31060	4.76	ng	# 58
27) 2,4-Dimethylphenol	9.35	122	12337	2.49	ng	# 91
32) Benzoic acid	9.57	122	16093	9.51	ng	# 20
50) 2,6-Dinitrotoluene	12.55	165	16138	5.96	ng	# 31
76) Benzidine	16.99	184	512	6.68	ng	# 1
79) Butylbenzylphthalate	17.97	149	17347	2.74	ng	# 88
83) Bis(2-ethylhexyl)phthalate	18.70	149	18385	2.04	ng	# 98

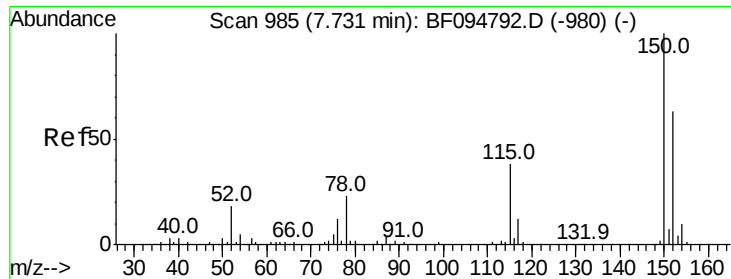
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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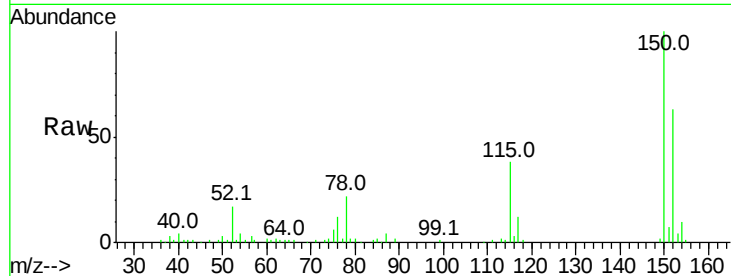


#1

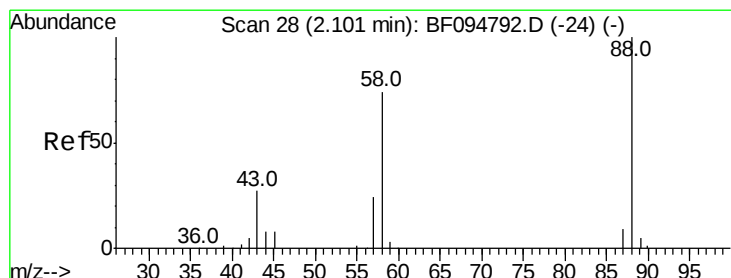
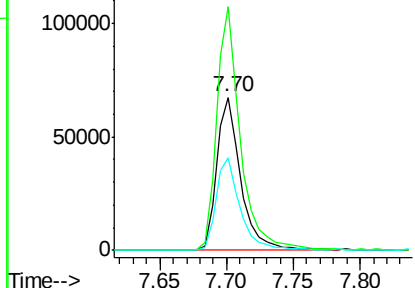
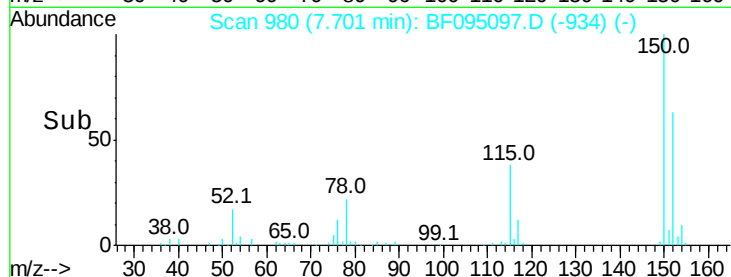
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.70 min Scan# 980
Delta R.T. -0.03 min
Lab File: BF095097.D
Acq: 12 May 2017 00:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85944
Ion Ratio Lower Upper
152 100
150 158.9 126.2 189.2
115 60.0 52.2 78.2



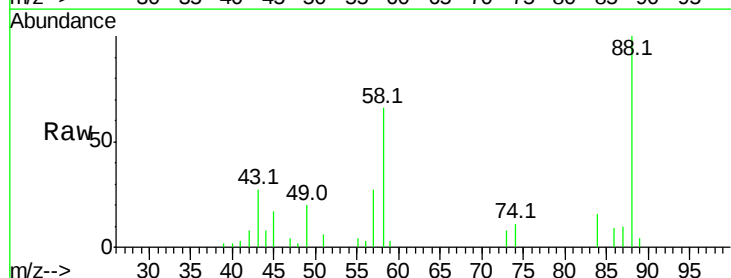
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



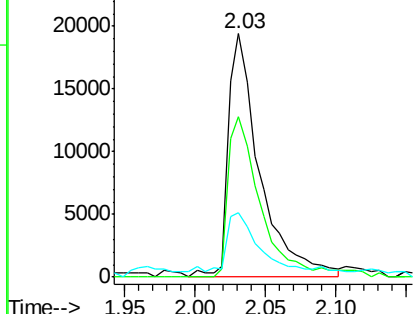
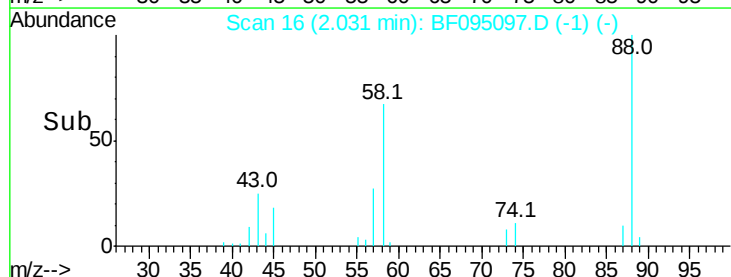
#2

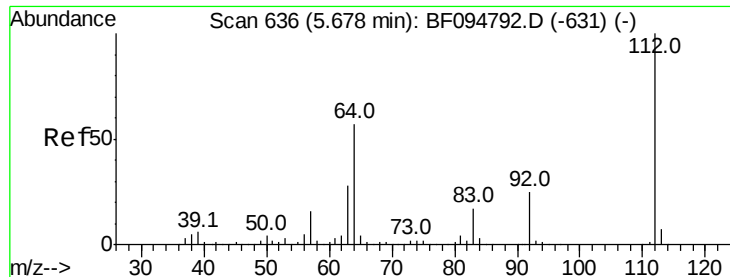
1,4-Dioxane
Concen: 11.99 ng
RT: 2.03 min Scan# 16
Delta R.T. -0.07 min
Lab File: BF095097.D
Acq: 12 May 2017 00:25

Tgt Ion: 88 Resp: 30311
Ion Ratio Lower Upper
88 100
58 69.2 61.4 92.0
43 22.9 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





#5

2-Fluorophenol

Concen: 0.23 ng

RT: 5.74 min Scan# 646

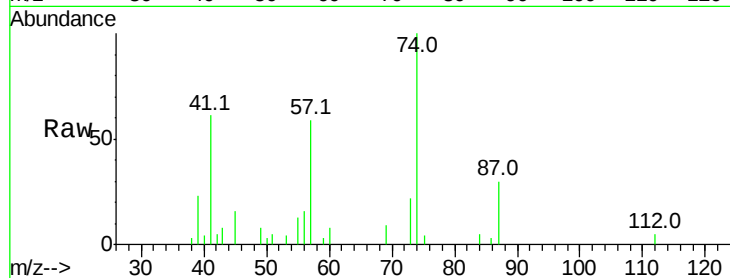
Delta R.T. 0.06 min

Lab File: BF095097.D

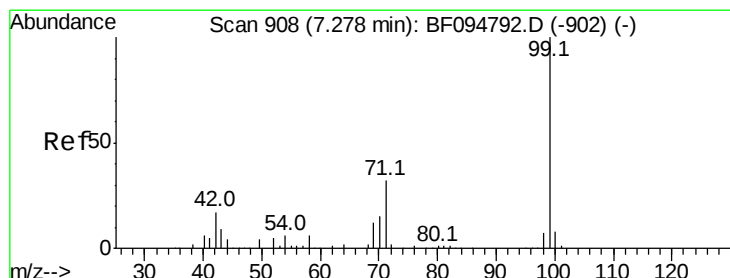
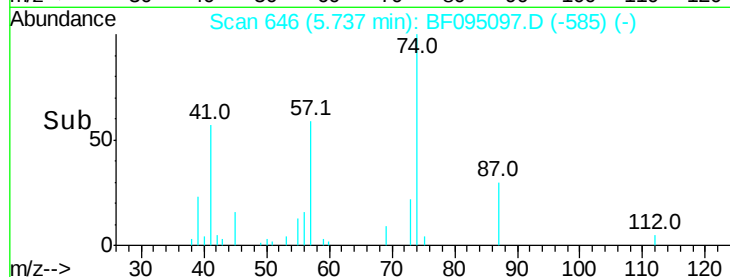
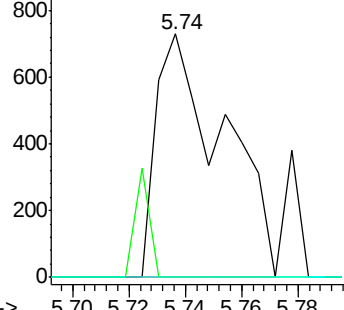
Acq: 12 May 2017 00:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:	112	Resp:	1199
Ion	Ratio	Lower	Upper
112	100		
64	0.0	46.0	69.0#
63	0.0	23.4	35.0#



Abundance Ion 112.00 (111.70 to 112.70): BF0
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 0.30 ng

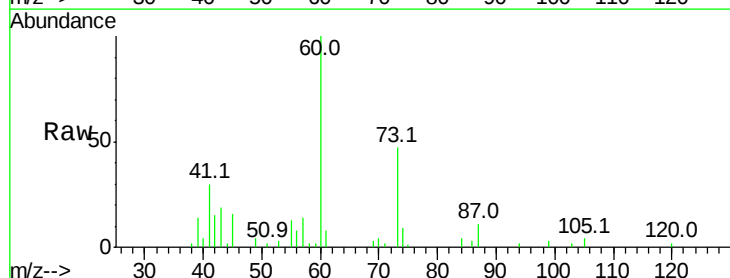
RT: 7.44 min Scan# 935

Delta R.T. 0.16 min

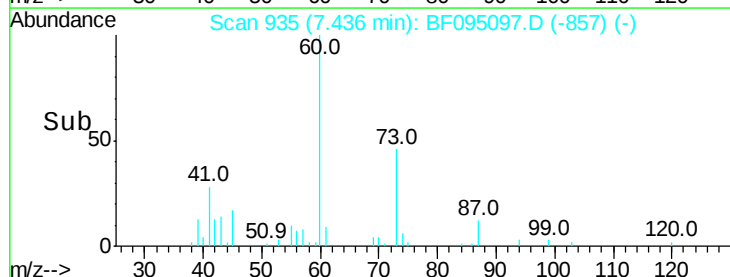
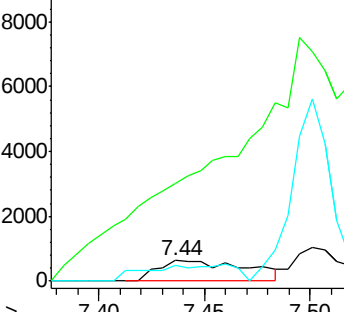
Lab File: BF095097.D

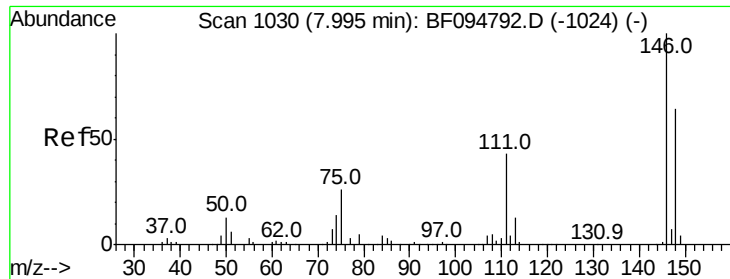
Acq: 12 May 2017 00:25

Tgt Ion:	99	Resp:	1851
Ion	Ratio	Lower	Upper
99	100		
42	470.2	13.5	20.3#
71	77.6	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

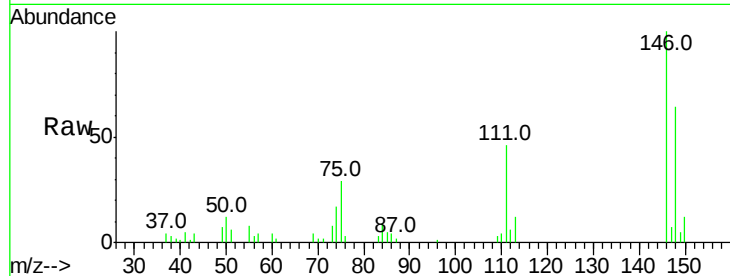




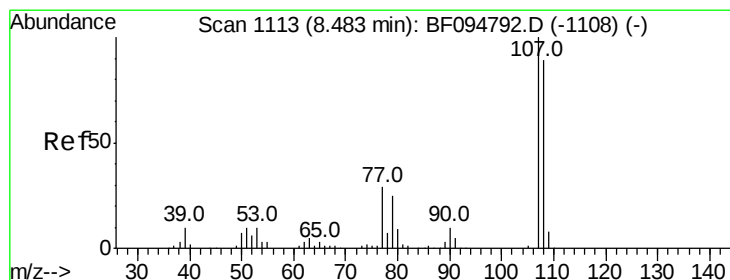
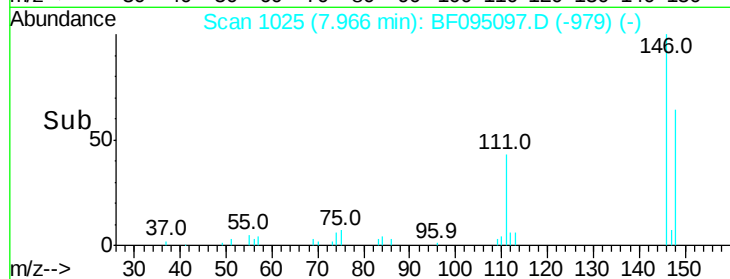
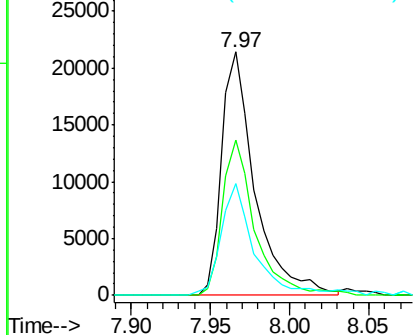
#14
 1,2-Dichlorobenzene
 Concen: 4.98 ng
 RT: 7.97 min Scan# 1025
 Delta R.T. -0.03 min
 Lab File: BF095097.D
 Acq: 12 May 2017 00:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 31347
 Ion Ratio Lower Upper
 146 100
 148 63.5 50.4 75.6
 111 45.8 38.2 57.4

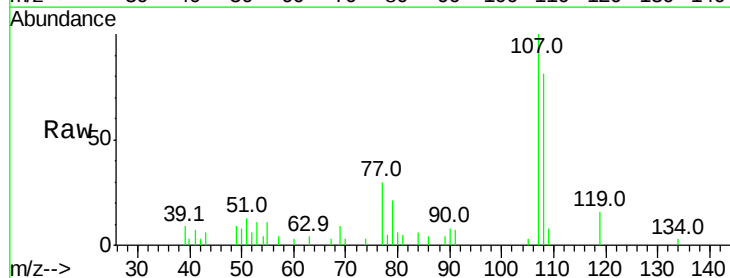


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

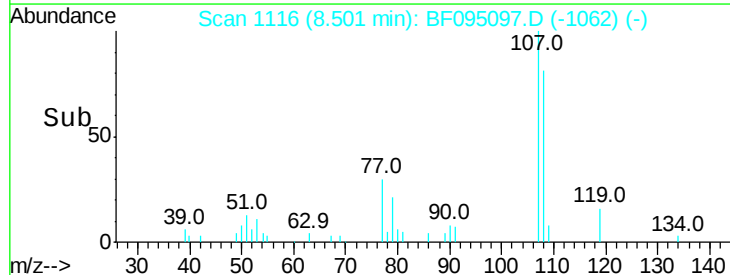
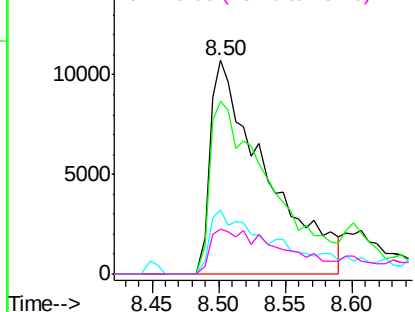


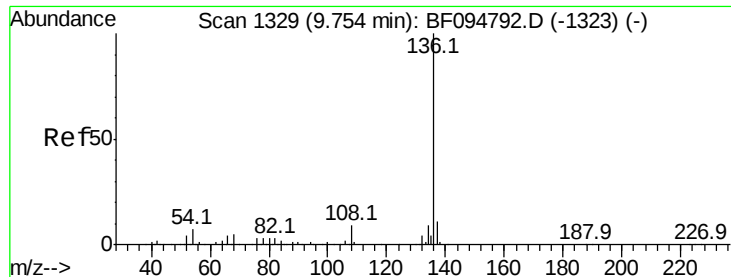
#20
 3+4-Methylphenols
 Concen: 4.76 ng
 RT: 8.50 min Scan# 1116
 Delta R.T. 0.02 min
 Lab File: BF095097.D
 Acq: 12 May 2017 00:25

Tgt Ion:107 Resp: 31060
 Ion Ratio Lower Upper
 107 100
 108 80.8 71.0 111.0
 77 30.2 90.5 130.5#
 79 20.9 8.4 48.4



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: 9.72 min Scan# 1323

Delta R.T. -0.04 min

Lab File: BF095097.D

Acq: 12 May 2017 00:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 341572

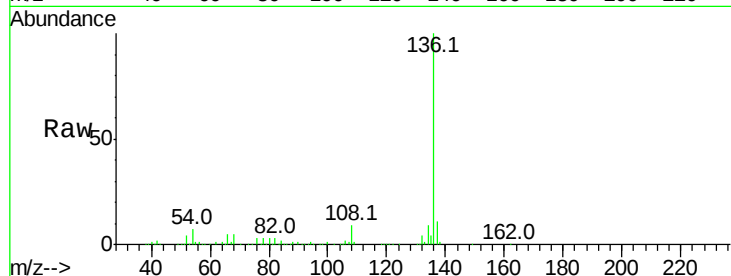
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.6 4.9 7.3

68 5.4 4.1 6.1

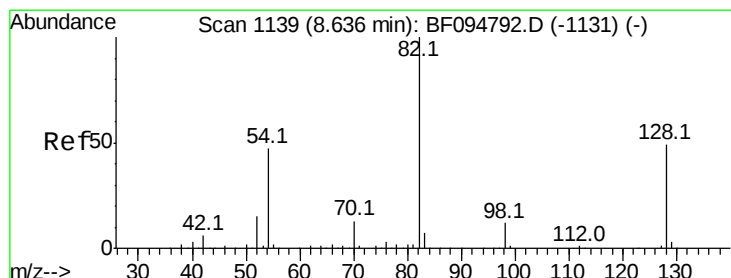
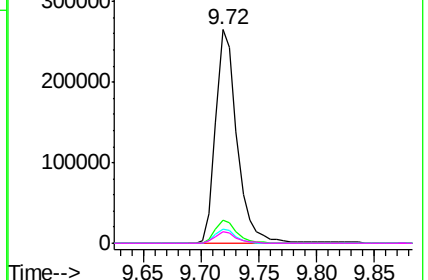
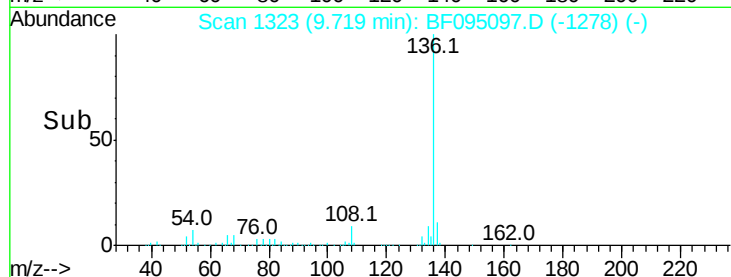


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.07 ng

RT: 8.61 min Scan# 1134

Delta R.T. -0.03 min

Lab File: BF095097.D

Acq: 12 May 2017 00:25

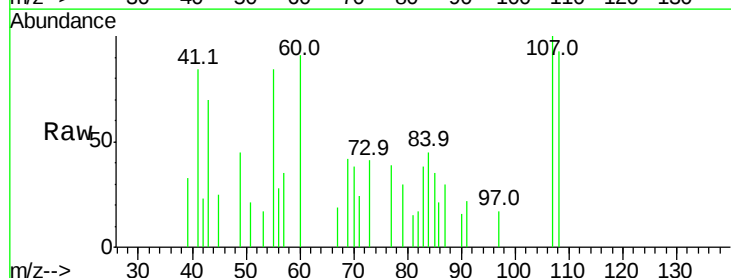
Tgt Ion: 82 Resp: 361

Ion Ratio Lower Upper

82 100

128 0.0 34.0 51.0#

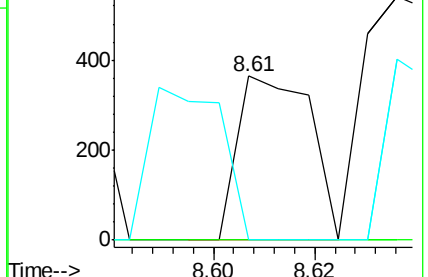
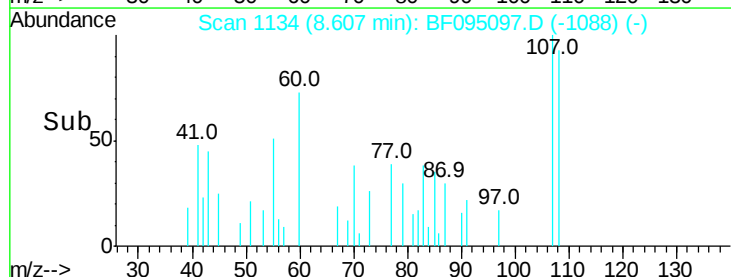
54 0.0 42.2 63.2#

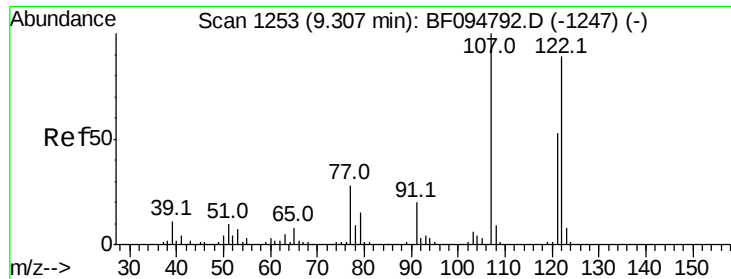


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

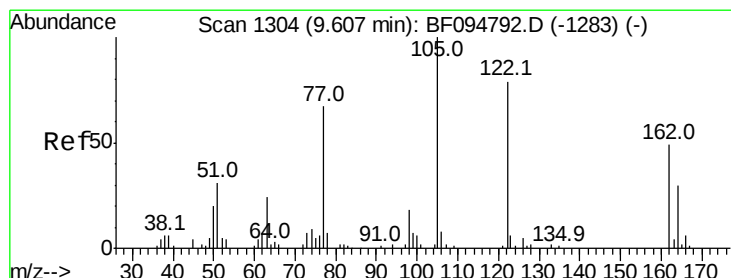
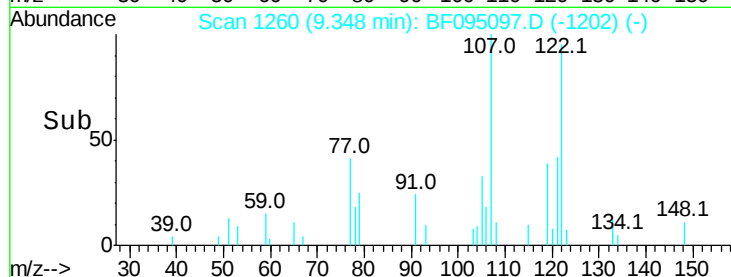
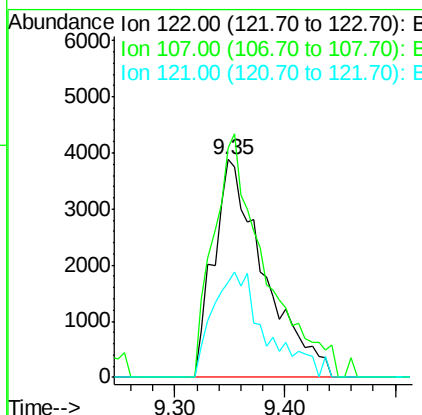
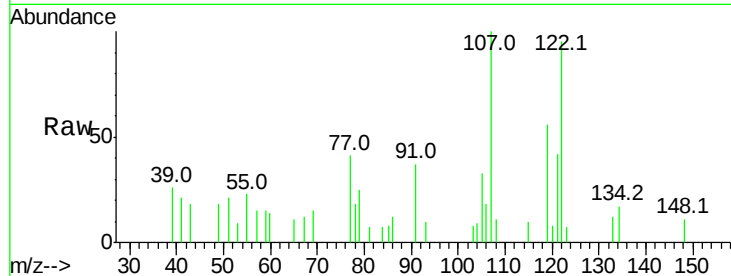




#27
2,4-Dimethylphenol
Concen: 2.49 ng
RT: 9.35 min Scan# 1260
Delta R.T. 0.04 min
Lab File: BF095097.D
Acq: 12 May 2017 00:25

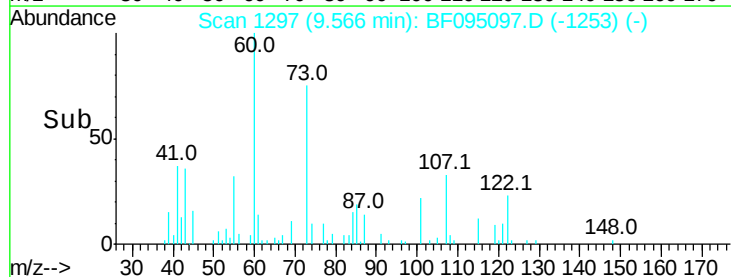
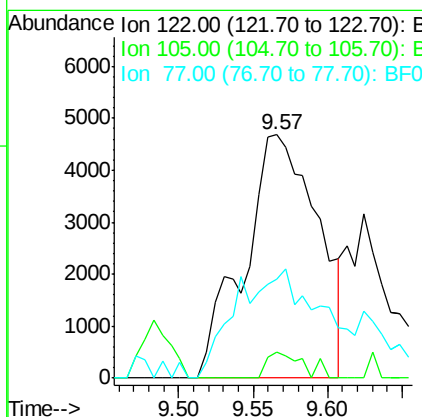
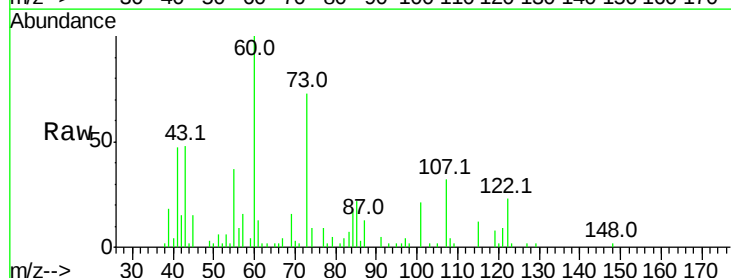
Instrument :
BNA_F
ClientSampleId :

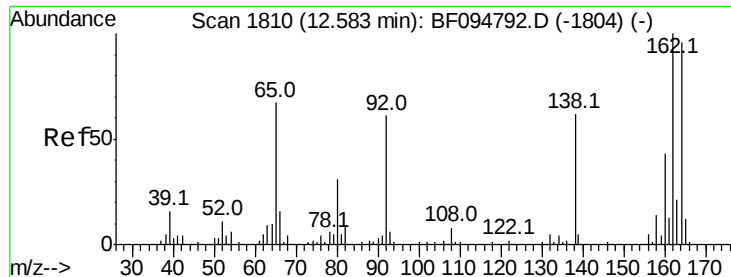
Tot Ion:122 Resp: 12337
Ion Ratio Lower Upper
122 100
107 105.5 89.2 133.8
121 43.9 45.2 67.8#



#32
Benzoic acid
Concen: 9.51 ng
RT: 9.57 min Scan# 1297
Delta R.T. -0.04 min
Lab File: BF095097.D
Acq: 12 May 2017 00:25

Tgt Ion:122 Resp: 16093
Ion Ratio Lower Upper
122 100
105 10.9 103.3 143.3#
77 40.7 73.7 113.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.55 min Scan# 1804

Delta R.T. -0.04 min

Lab File: BF095097.D

Acq: 12 May 2017 00:25

Instrument :

BNA_F

ClientSampleId :

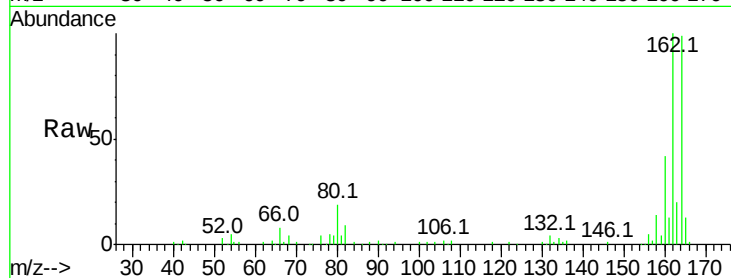
Tot Ion:164 Resp: 161628

Ion Ratio Lower Upper

164 100

162 100.8 82.6 123.8

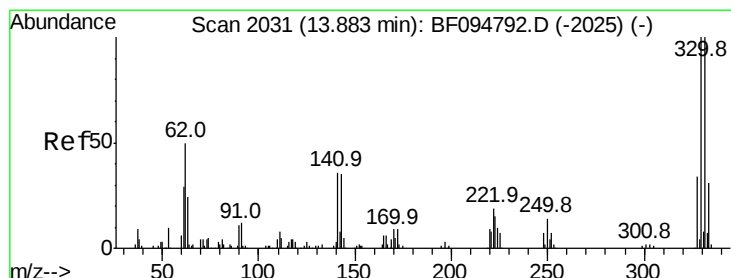
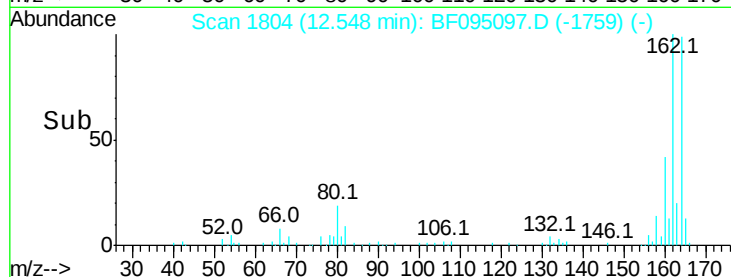
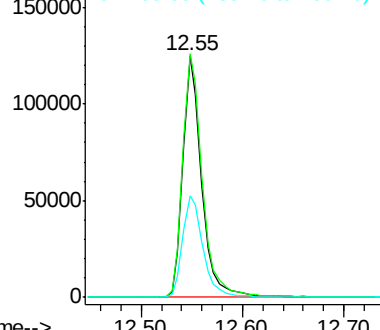
160 42.0 36.2 54.2



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: 0.08 ng

RT: 13.91 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF095097.D

Acq: 12 May 2017 00:25

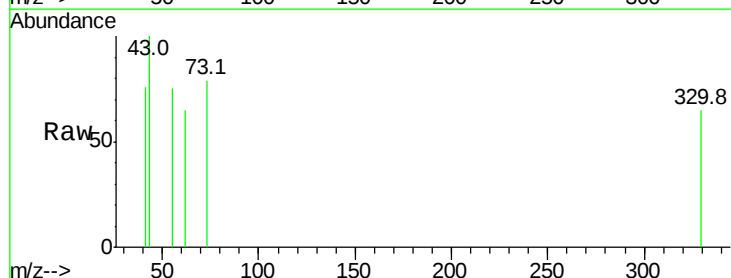
Tgt Ion:330 Resp: 111

Ion Ratio Lower Upper

330 100

332 0.0 76.6 115.0#

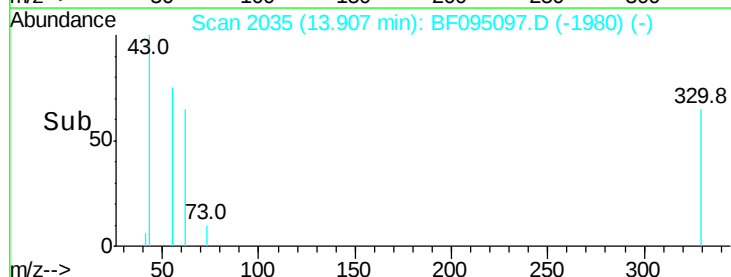
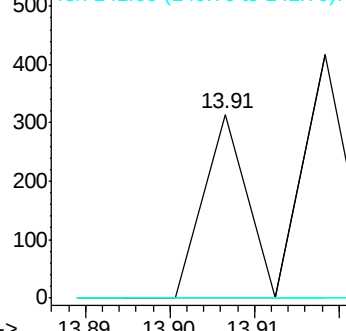
141 0.0 31.4 47.2#

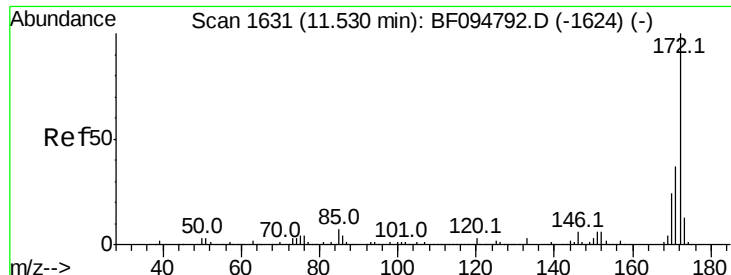


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

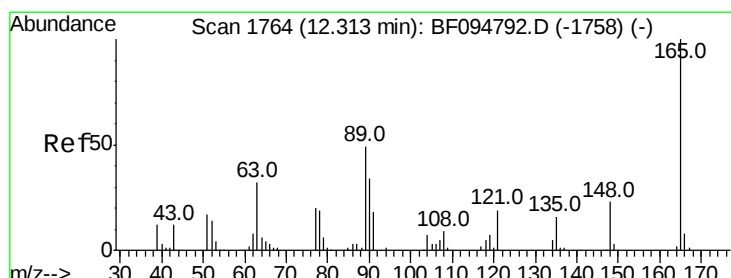
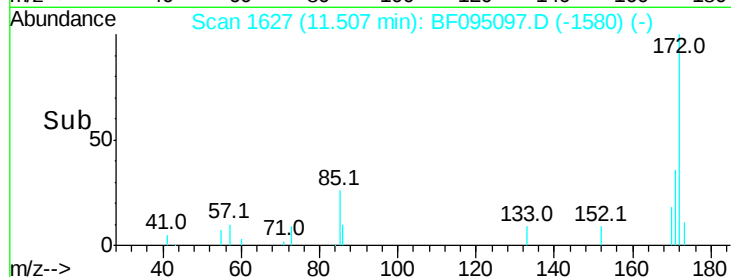
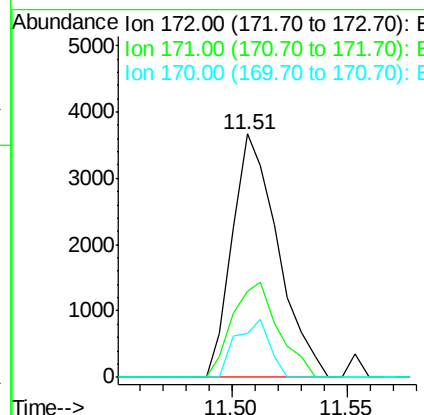
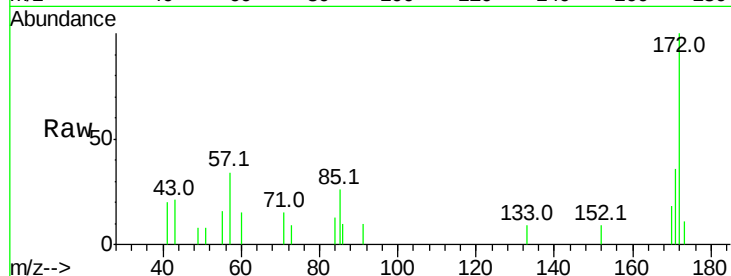




#44
 2-Fluorobiphenyl
 Concen: 0.45 ng
 RT: 11.51 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF095097.D
 Acq: 12 May 2017 00:25

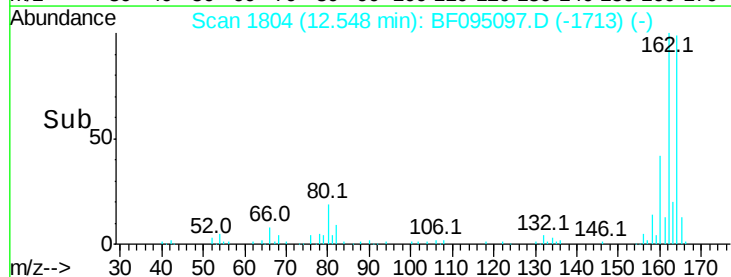
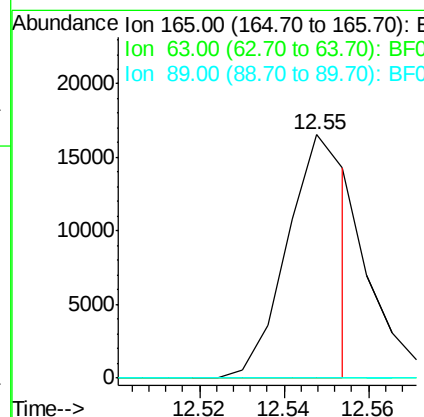
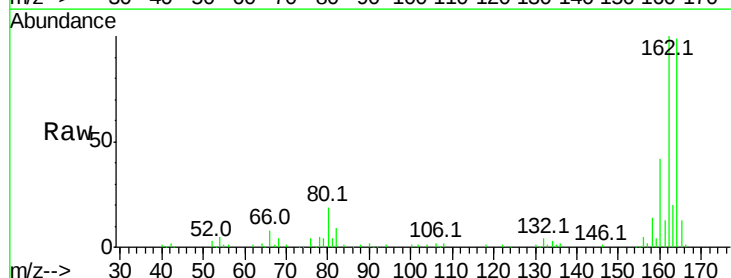
Instrument :
 BNA_F
 ClientSampleId :

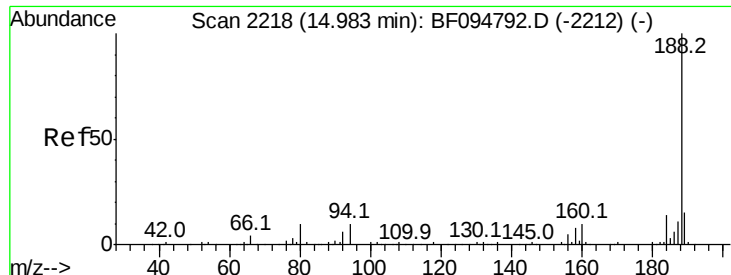
Tot Ion:172 Resp: 5041
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 18.3 19.8 29.8#



#50
 2,6-Dinitrotoluene
 Concen: 5.96 ng
 RT: 12.55 min Scan# 1804
 Delta R.T. 0.24 min
 Lab File: BF095097.D
 Acq: 12 May 2017 00:25

Tgt Ion:165 Resp: 16138
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

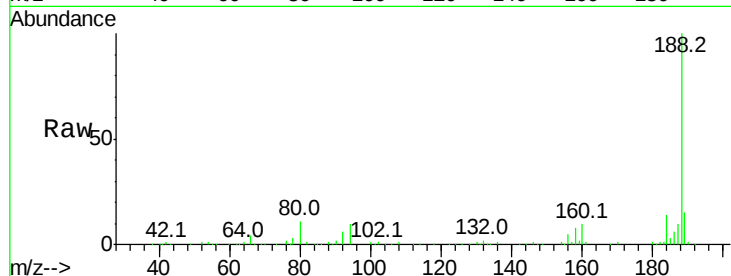




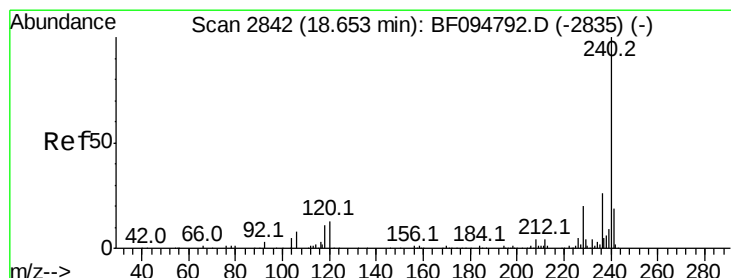
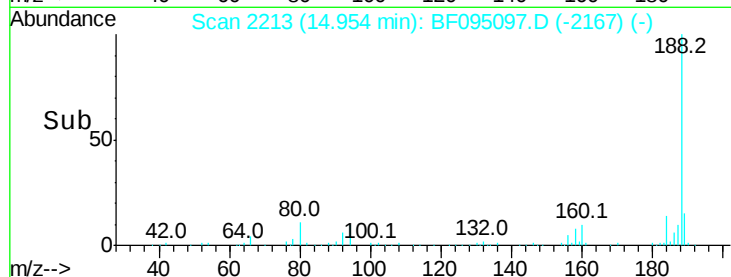
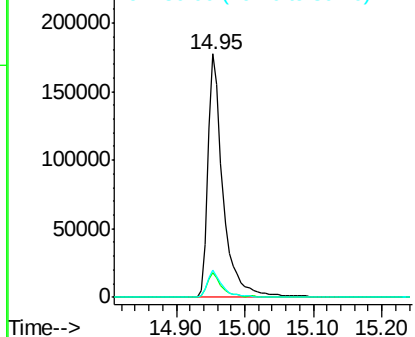
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.95 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF095097.D
Acq: 12 May 2017 00:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 276096
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 11.0 10.2 15.2

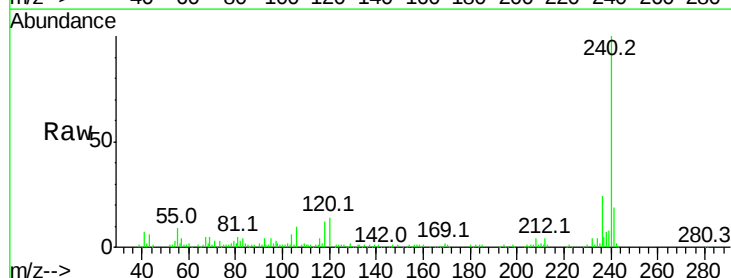


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

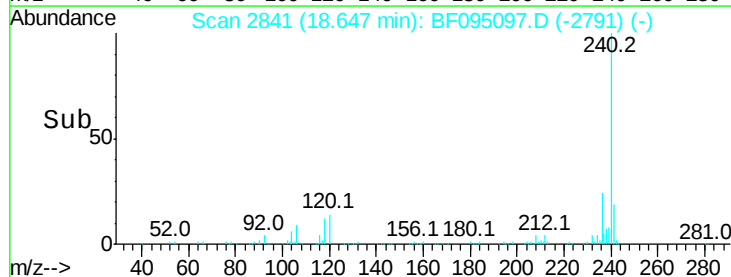
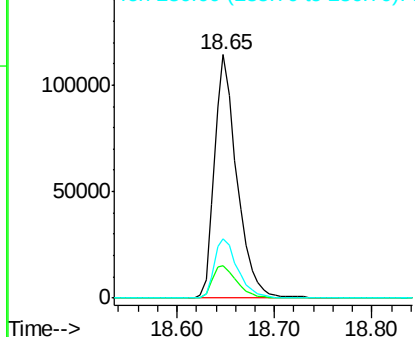


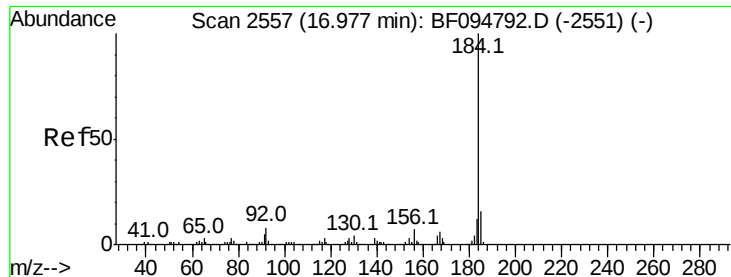
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BF095097.D
Acq: 12 May 2017 00:25

Tgt Ion:240 Resp: 182071
Ion Ratio Lower Upper
240 100
120 13.5 5.8 8.8#
236 24.3 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: 6.68 ng

RT: 16.99 min Scan# 2560

Delta R.T. 0.02 min

Lab File: BF095097.D

Acq: 12 May 2017 00:25

Instrument :

BNA_F

ClientSampleId :

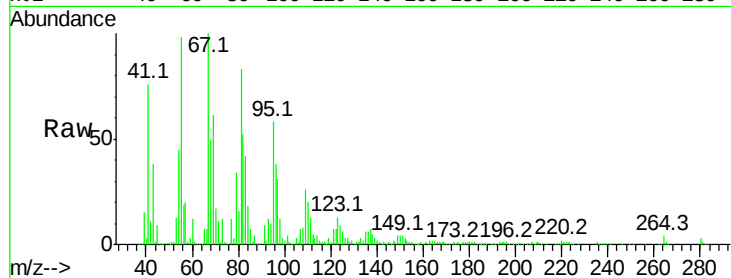
Tot Ion:184 Resp: 512

Ion Ratio Lower Upper

184 100

185 244.2 15.5 23.3#

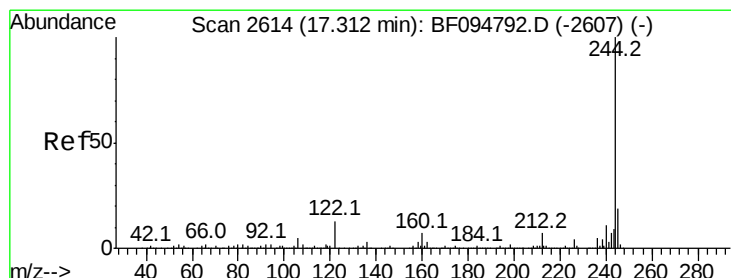
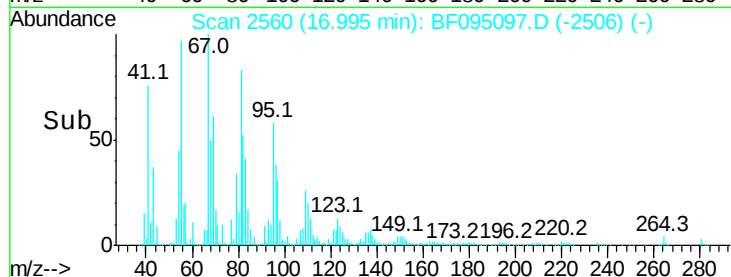
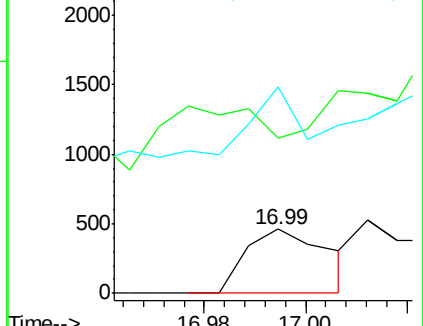
183 323.5 9.8 14.6#



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: 0.34 ng

RT: 17.30 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF095097.D

Acq: 12 May 2017 00:25

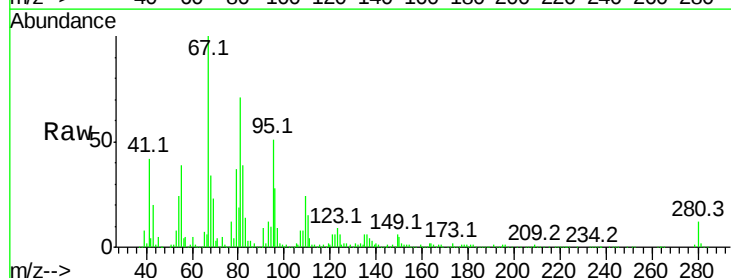
Tgt Ion:244 Resp: 2830

Ion Ratio Lower Upper

244 100

212 0.0 6.0 9.0#

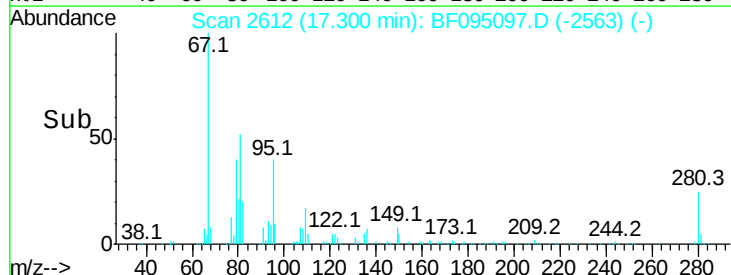
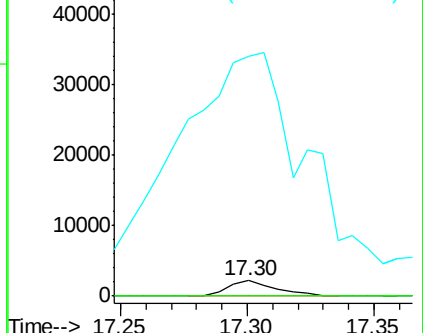
122 1539.2 10.3 15.5#

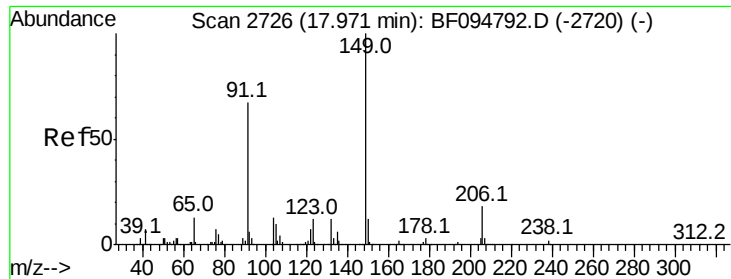


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

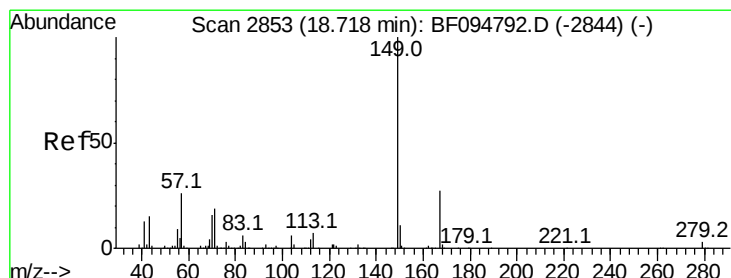
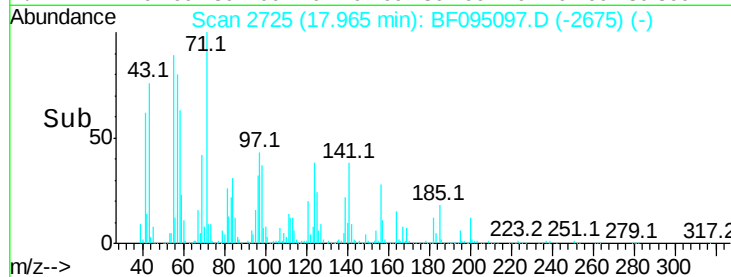
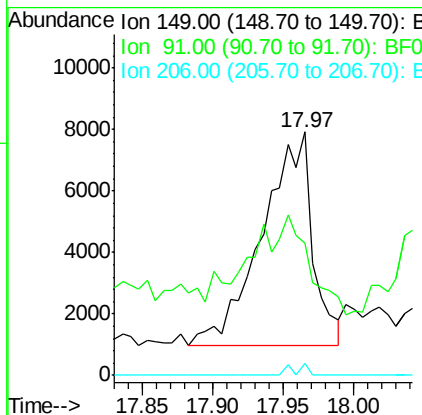
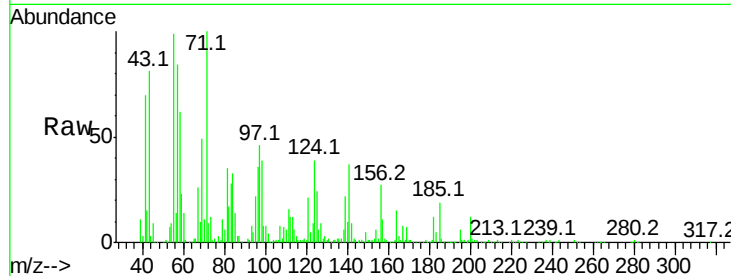




#79
 Butylbenzylphthalate
 Concen: 2.74 ng
 RT: 17.97 min Scan# 2725
 Delta R.T. -0.01 min
 Lab File: BF095097.D
 Acq: 12 May 2017 00:25

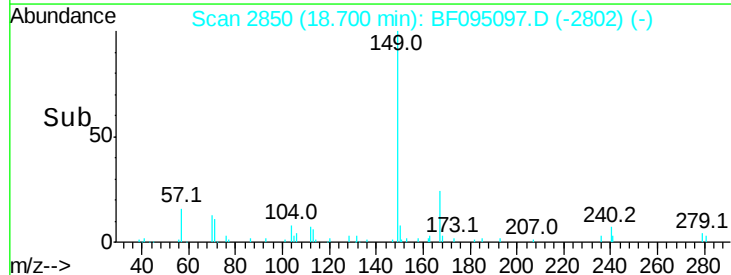
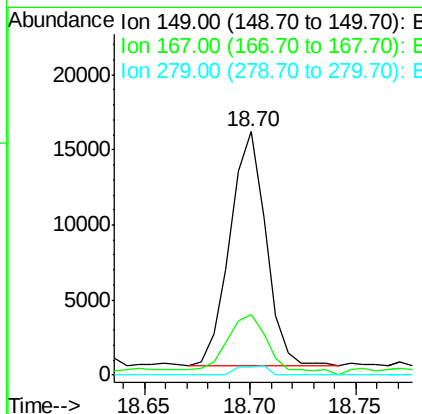
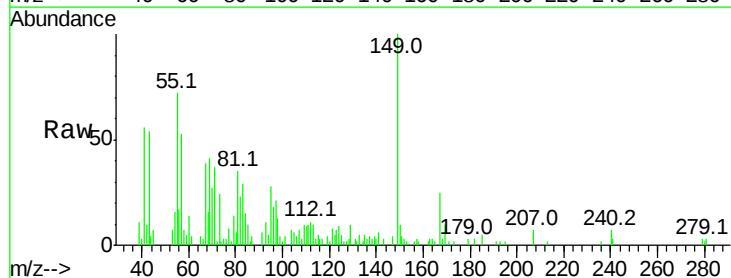
Instrument :
 BNA_F
 ClientSampleId :

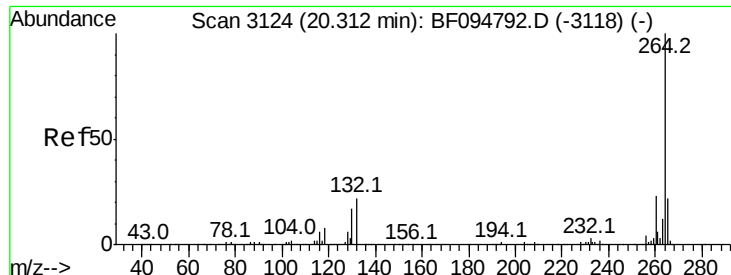
Tot Ion	Ratio	Lower	Upper
149	100		
91	54.2	45.0	67.4
206	4.8	17.0	25.6



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.04 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. -0.02 min
 Lab File: BF095097.D
 Acq: 12 May 2017 00:25

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.0	21.0	31.4
279	3.5	1.9	2.9

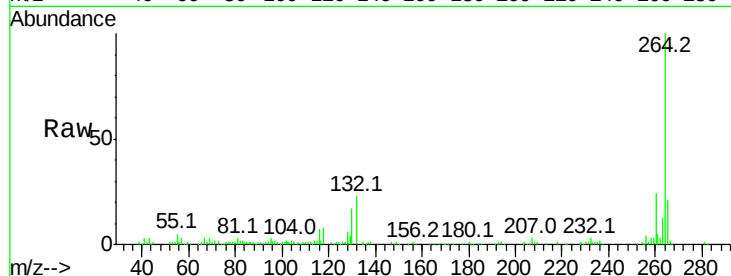




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF095097.D
 Acq: 12 May 2017 00:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	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

