

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096266.D
 Acq On : 28 Jun 2017 22:59
 Operator : SJ/MA
 Sample : I3898-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 01:39:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	130595	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	530598	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	212509	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	351738	20.00	ng	0.01
75) Chrysene-d12	13.93	240	311627	20.00	ng	0.01
86) Perylene-d12	15.36	264	228915	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	936896	103.36	ng	0.02
7) Phenol-d6	6.42	99	1121880	102.21	ng	0.02
23) Nitrobenzene-d5	7.34	82	609486	79.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	217557	130.09	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	980748	84.52	ng	-0.01
78) Terphenyl-d14	12.88	244	817024	65.42	ng	0.01

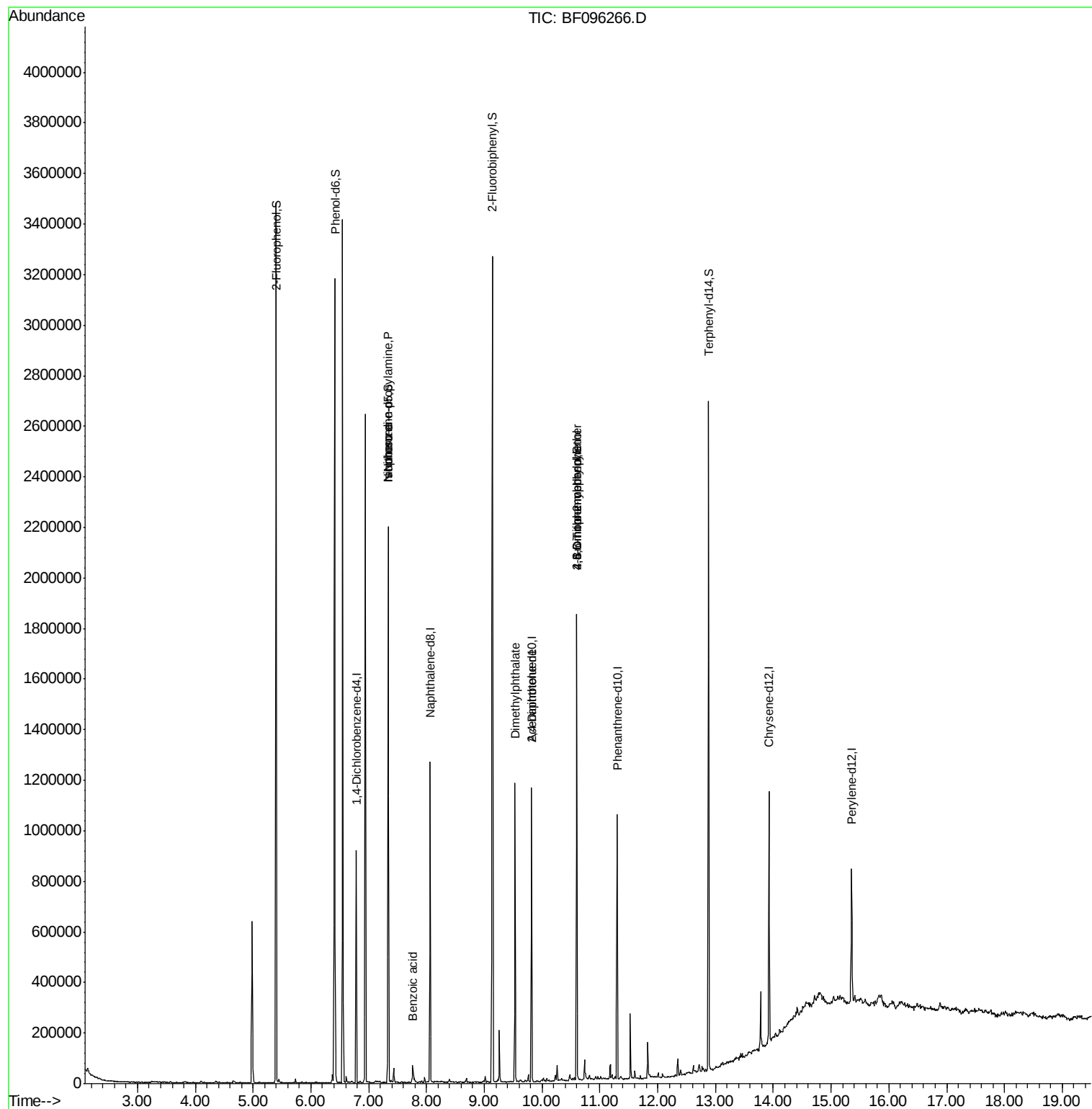
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.41	77	1334	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.34	70	79550	12.10	ng	87
25) Isophorone	7.34	82	609479	35.01	ng	67
32) Benzoic acid	7.76	122	15276	11.03	ng	96
49) Dimethylphthalate	9.53	163	441165	29.01	ng	99
56) 2,4-Dinitrotoluene	9.82	165	26267	6.59	ng	33
57) Fluorene	10.60	166	10595	Below Cal	#	88
64) 4,6-Dinitro-2-methylphenol	10.60	198	293	8.88	ng	1
66) 4-Bromophenyl-phenylether	10.60	248	11957	3.30	ng	1
70) Phenanthrene	11.32	178	882	Below Cal	#	59

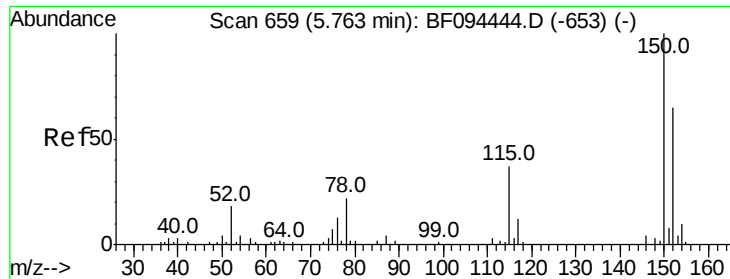
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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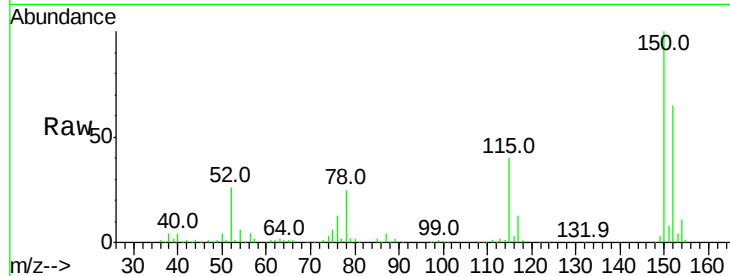


#1

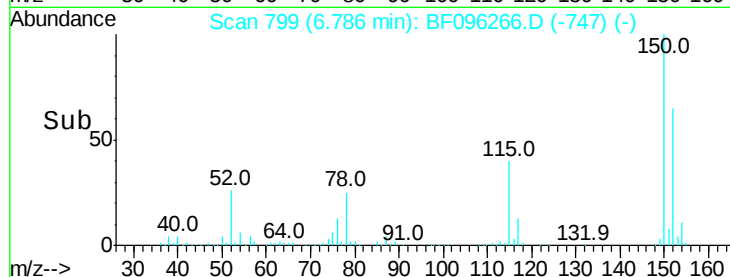
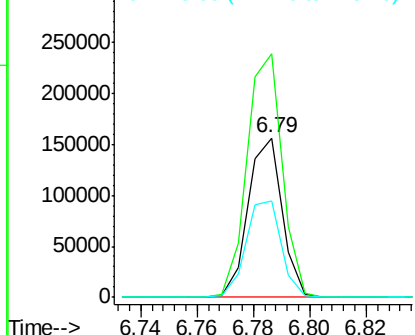
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF096266.D
Acq: 28 Jun 2017 22:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 130595
Ion Ratio Lower Upper
152 100
150 152.9 126.2 189.2
115 60.7 52.2 78.2



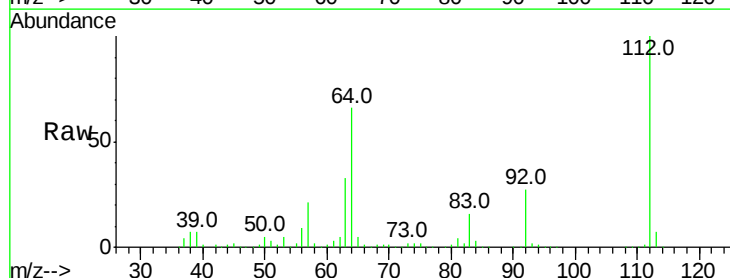
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



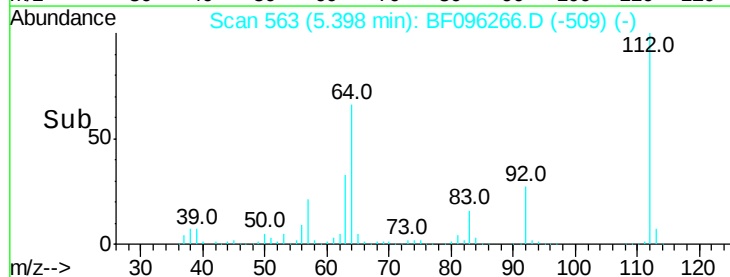
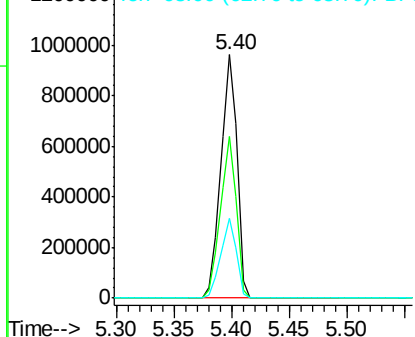
#5

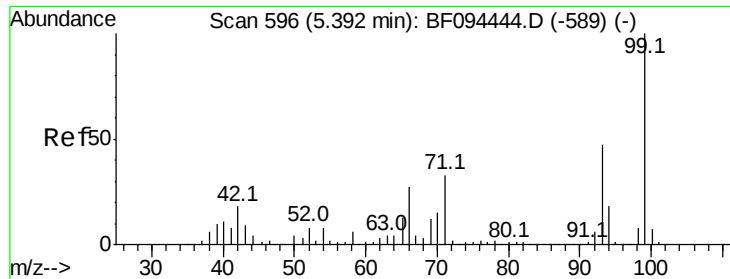
2-Fluorophenol
Concen: 103.36 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF096266.D
Acq: 28 Jun 2017 22:59

Tgt Ion:112 Resp: 936896
Ion Ratio Lower Upper
112 100
64 66.3 46.0 69.0
63 32.9 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: 102.21 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF096266.D

Acq: 28 Jun 2017 22:59

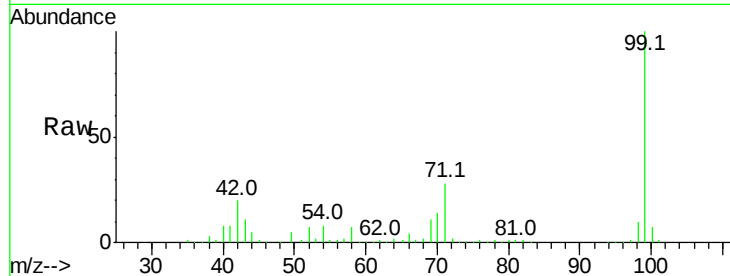
Instrument :

BNA_F

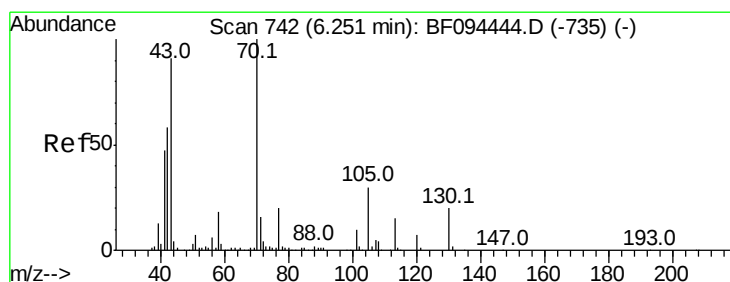
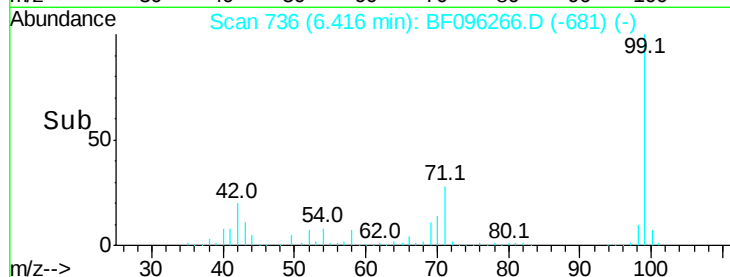
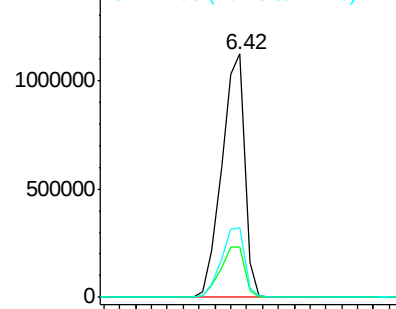
ClientSampled :

Tot Ion: 99 Resp: 1121880

Ion	Ratio	Lower	Upper
99	100		
42	20.5	13.5	20.3#
71	28.4	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



#19

n-Nitroso-di-n-propylamine

Concen: 12.10 ng

RT: 7.34 min Scan# 893

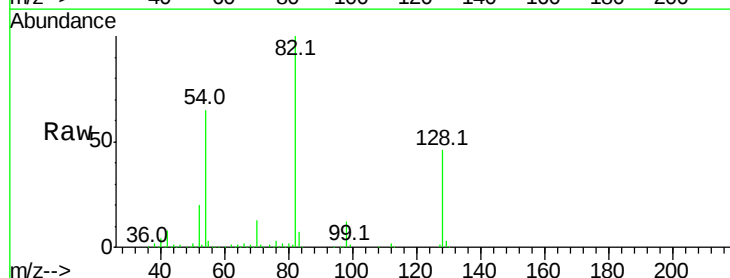
Delta R.T. 0.16 min

Lab File: BF096266.D

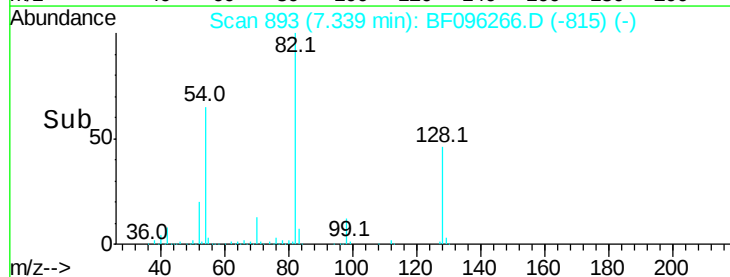
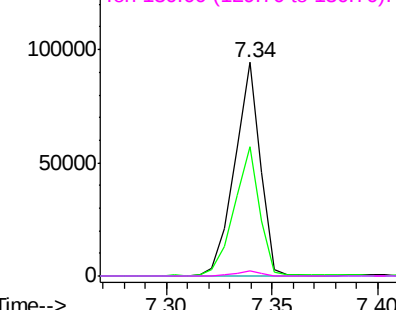
Acq: 28 Jun 2017 22:59

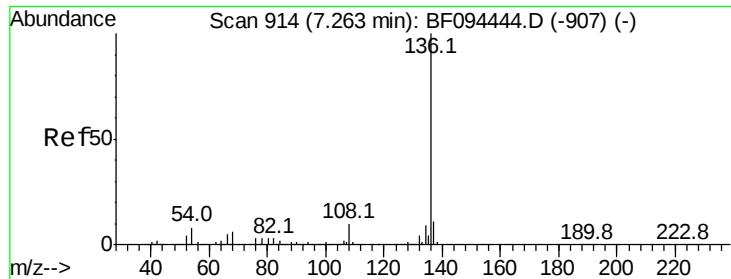
Tgt Ion: 70 Resp: 79550

Ion	Ratio	Lower	Upper
70	100		
42	60.8	47.2	70.8
101	0.0	7.2	10.8#
130	2.4	15.9	23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096266.D

Acq: 28 Jun 2017 22:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 530598

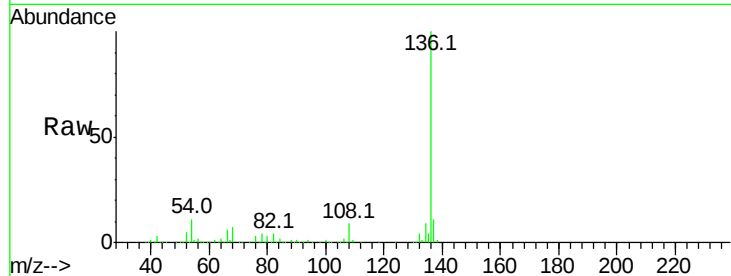
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 11.4 4.9 7.3#

68 7.1 4.1 6.1#

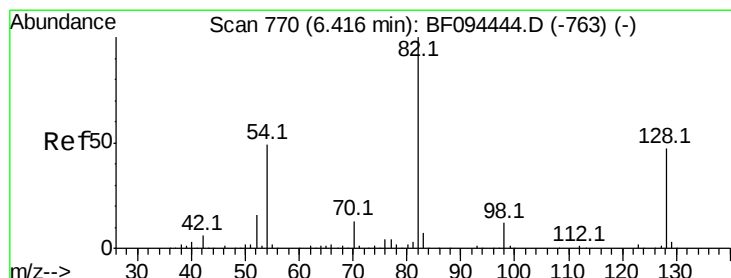
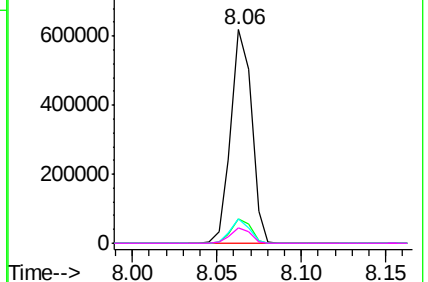
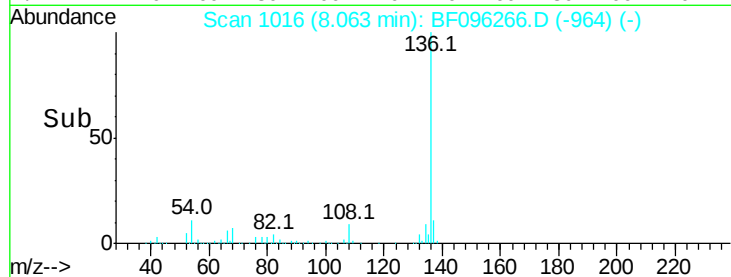


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.52 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.02 min

Lab File: BF096266.D

Acq: 28 Jun 2017 22:59

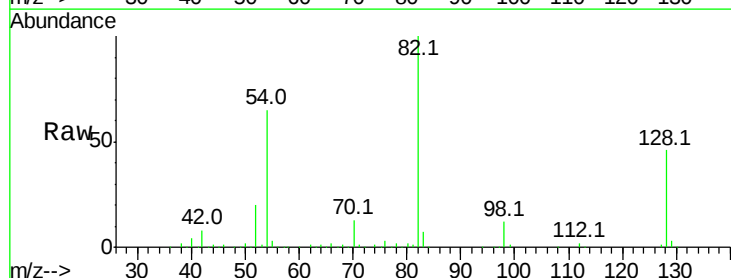
Tgt Ion: 82 Resp: 609486

Ion Ratio Lower Upper

82 100

128 45.6 34.0 51.0

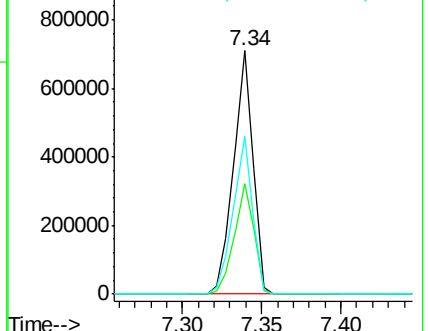
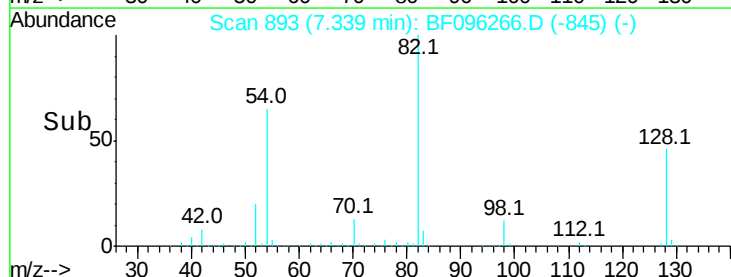
54 65.1 42.2 63.2#

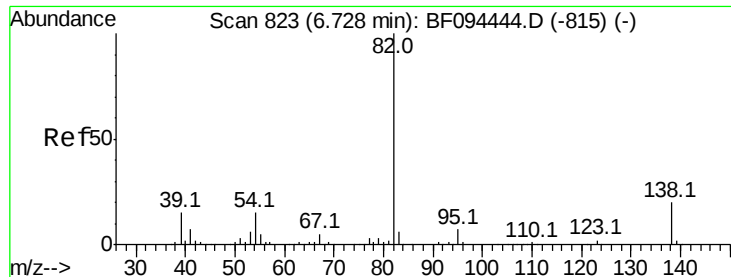


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.01 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.25 min

Lab File: BF096266.D

Acq: 28 Jun 2017 22:59

Instrument :

BNA_F

ClientSampleId :

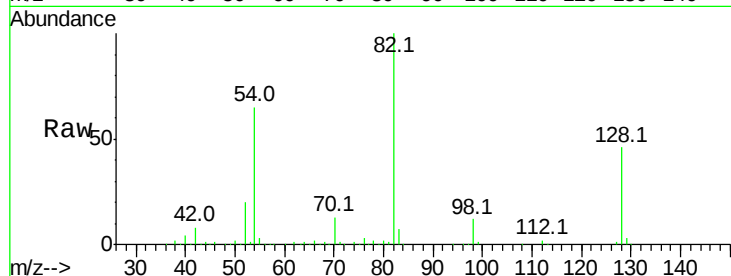
Tot Ion: 82 Resp: 609479

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

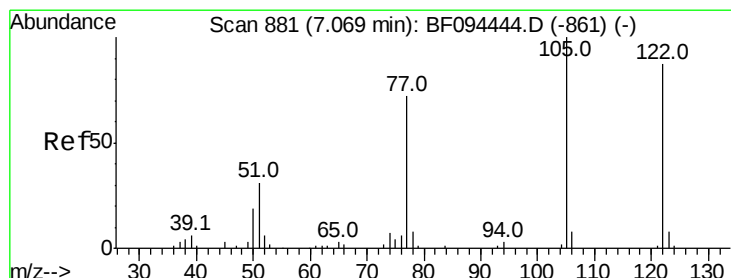
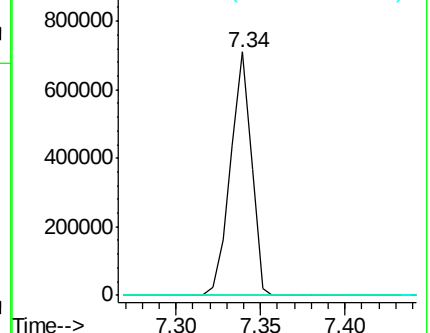
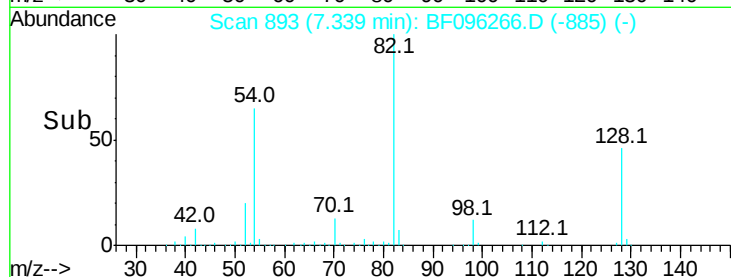
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 11.03 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.12 min

Lab File: BF096266.D

Acq: 28 Jun 2017 22:59

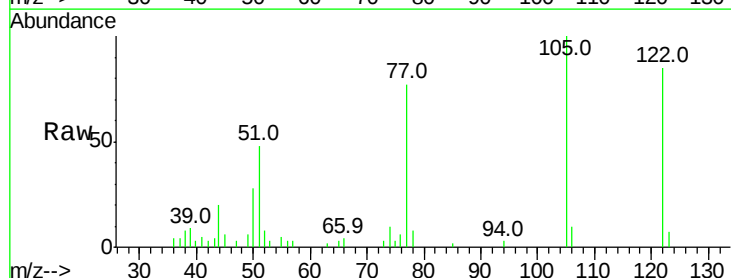
Tgt Ion:122 Resp: 15276

Ion Ratio Lower Upper

122 100

105 118.0 103.3 143.3

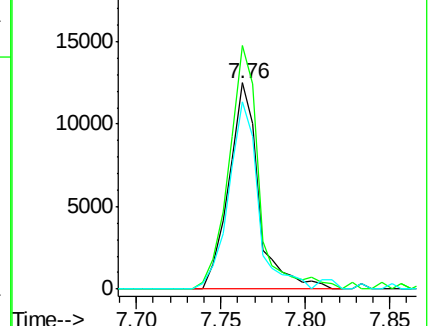
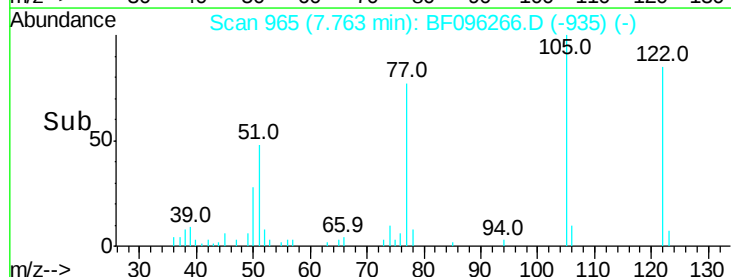
77 90.8 73.7 113.7

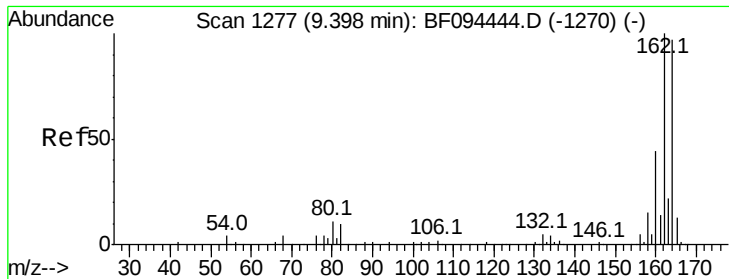


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

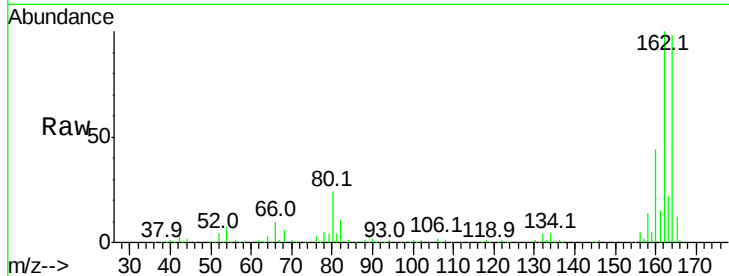




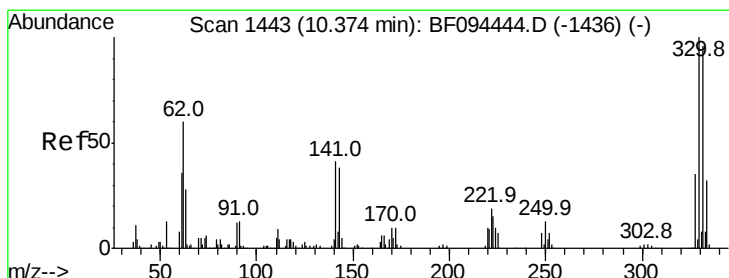
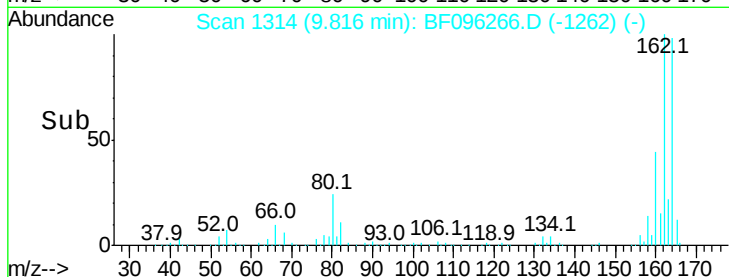
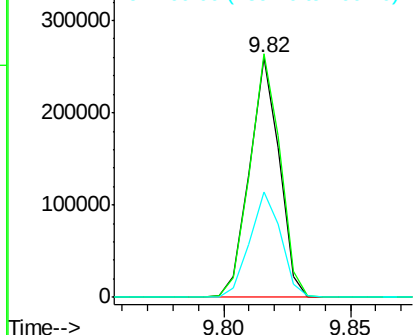
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF096266.D
 Acq: 28 Jun 2017 22:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 212509
 Ion Ratio Lower Upper
 164 100
 162 101.6 82.6 123.8
 160 44.2 36.2 54.2

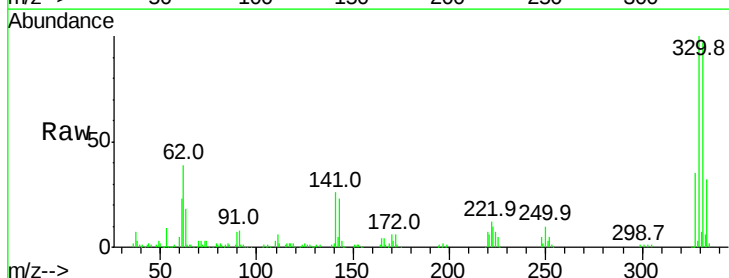


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

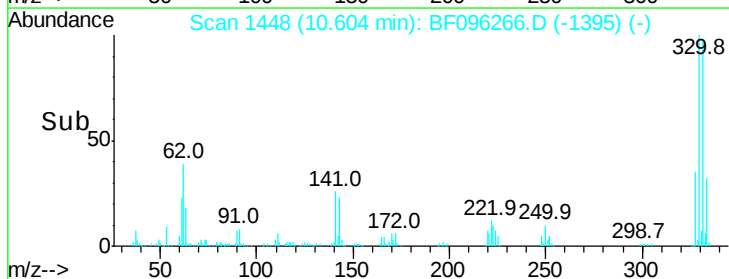
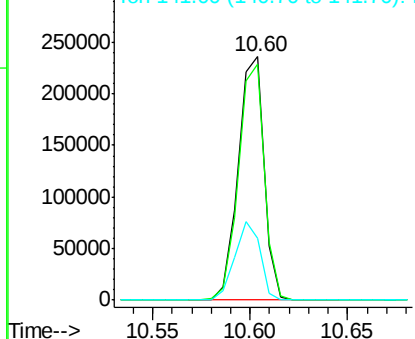


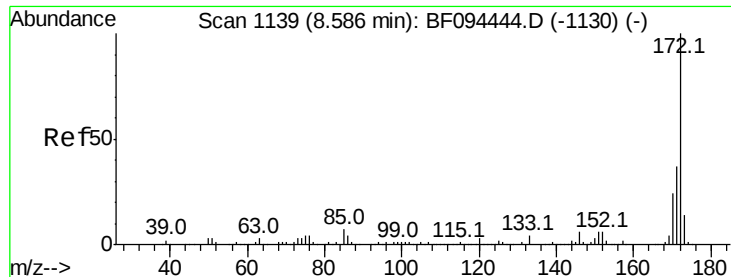
#41
 2,4,6-Tribromophenol
 Concen: 130.09 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.01 min
 Lab File: BF096266.D
 Acq: 28 Jun 2017 22:59

Tgt Ion:330 Resp: 217557
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 31.8 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

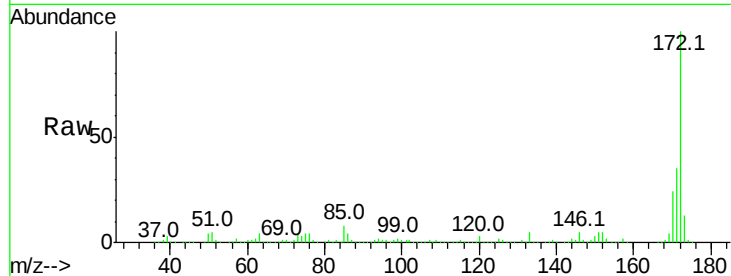




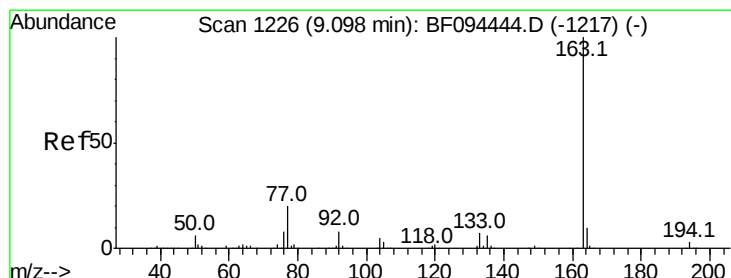
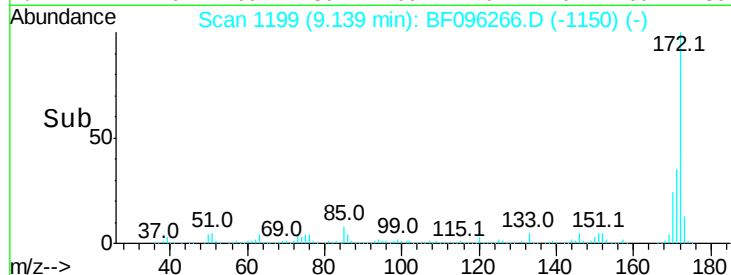
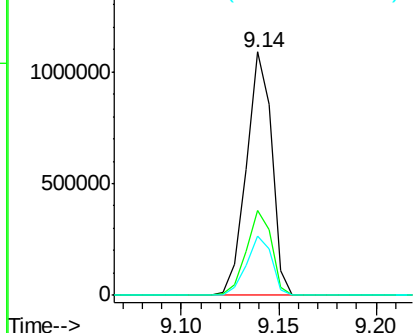
#44
2-Fluorobiphenyl
Concen: 84.52 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF096266.D
Acq: 28 Jun 2017 22:59

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.6	44.4
170	24.3	19.8	29.8

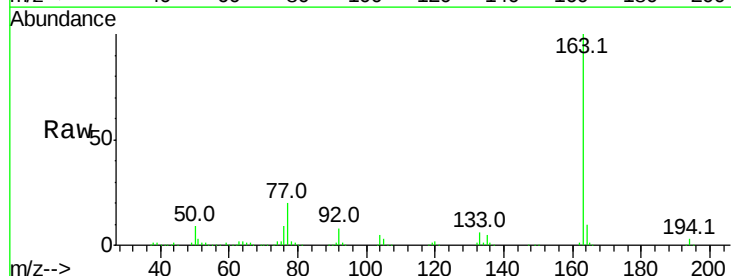


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

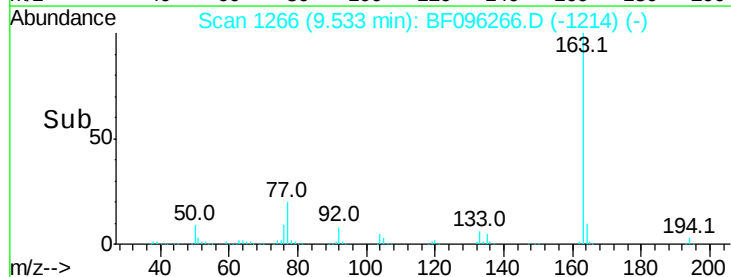
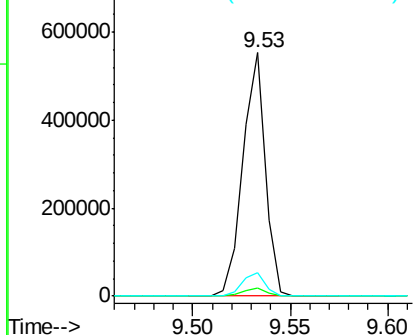


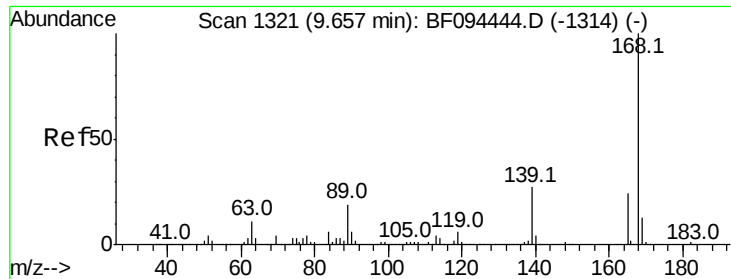
#49
Dimethylphthalate
Concen: 29.01 ng
RT: 9.53 min Scan# 1266
Delta R.T. 0.01 min
Lab File: BF096266.D
Acq: 28 Jun 2017 22:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	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

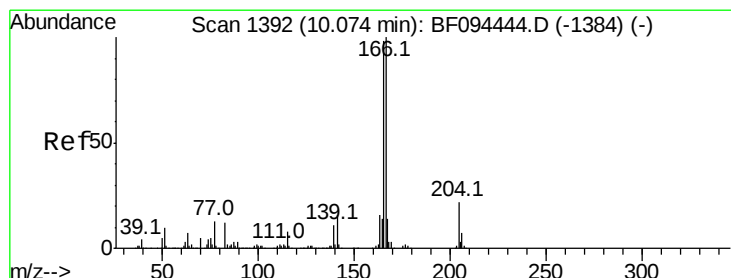
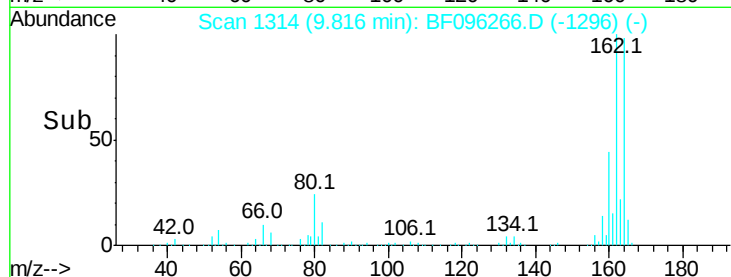
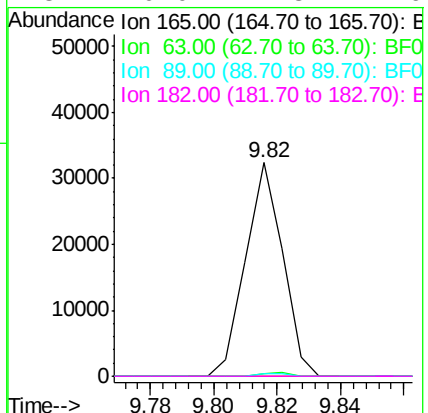
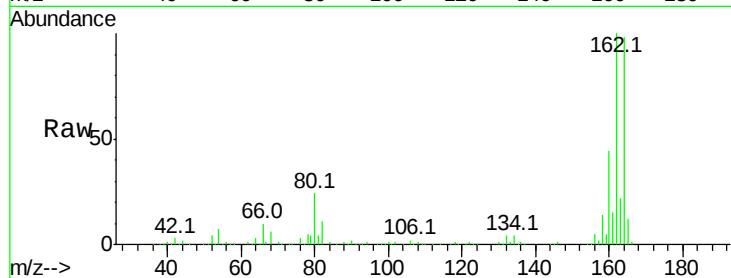




#56
2,4-Dinitrotoluene
Concen: 6.59 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.19 min
Lab File: BF096266.D
Acq: 28 Jun 2017 22:59

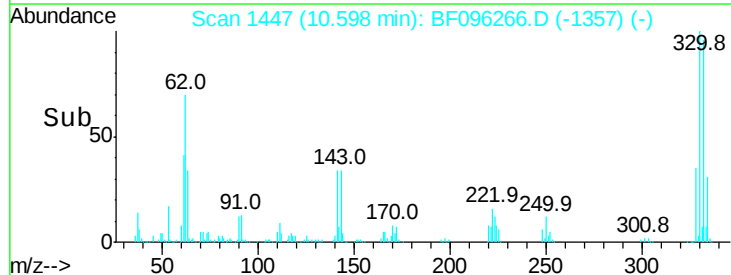
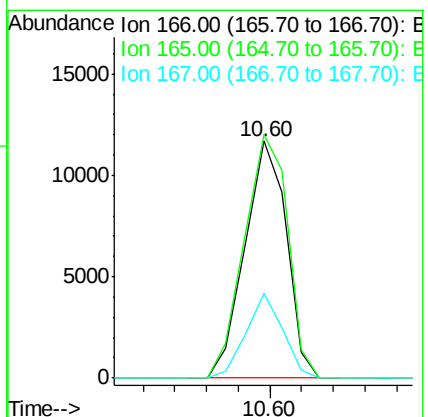
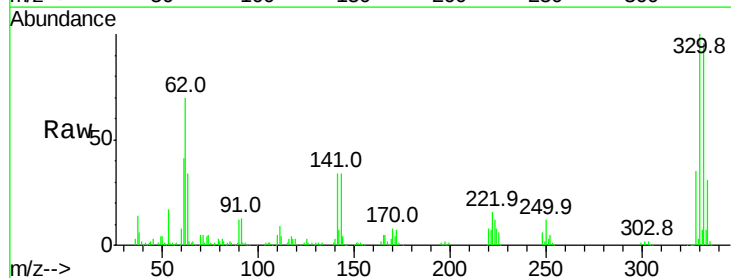
Instrument :
BNA_F
ClientSampleId :

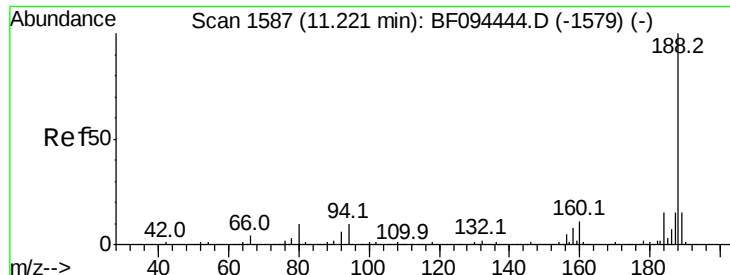
Tot Ion:	165	Resp:	26267
Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#



#57
Fluorene
Concen: Below Cal
RT: 10.60 min Scan# 1447
Delta R.T. 0.23 min
Lab File: BF096266.D
Acq: 28 Jun 2017 22:59

Tgt Ion:	166	Resp:	10595
Ion	Ratio	Lower	Upper
166	100		
165	102.9	78.8	118.2
167	39.5	10.6	16.0#

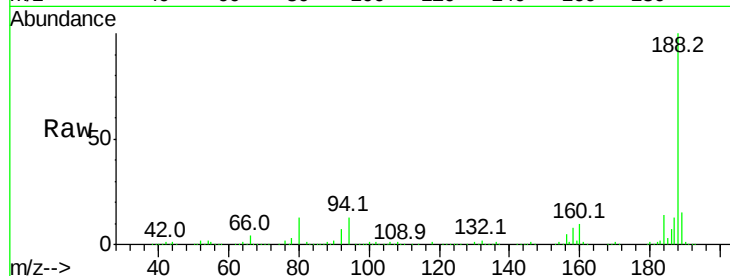




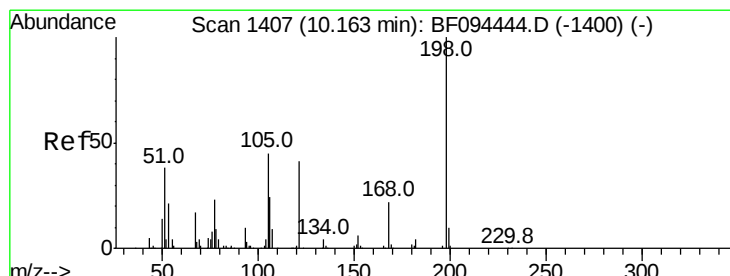
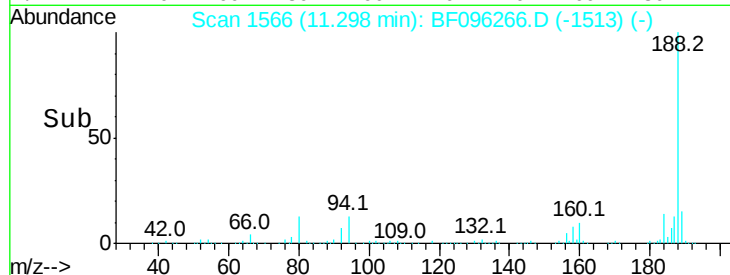
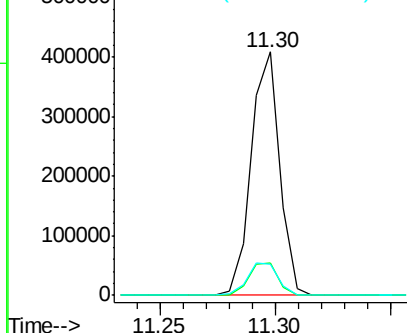
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF096266.D
Acq: 28 Jun 2017 22:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 351738
Ion Ratio Lower Upper
188 100
94 13.3 9.4 14.2
80 12.9 10.2 15.2

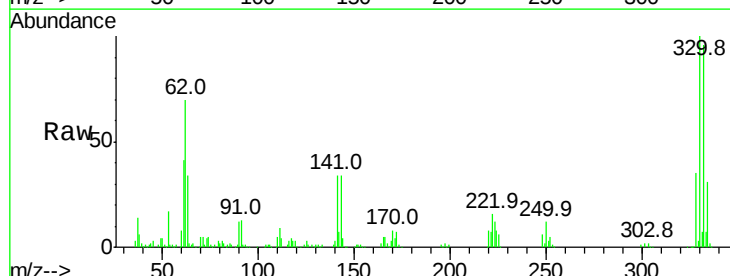


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

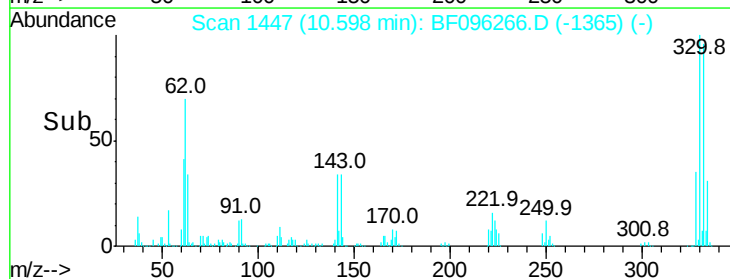
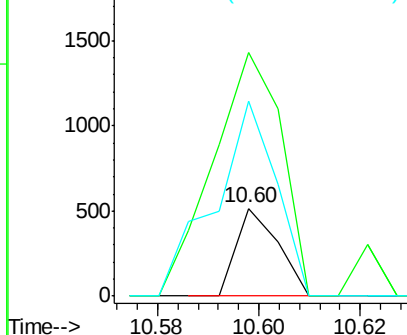


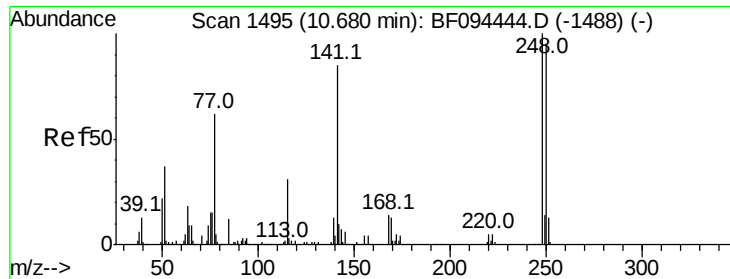
#64
4,6-Dinitro-2-methylphenol
Concen: 8.88 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.18 min
Lab File: BF096266.D
Acq: 28 Jun 2017 22:59

Tgt Ion:198 Resp: 293
Ion Ratio Lower Upper
198 100
51 277.9 53.2 93.2#
105 223.1 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

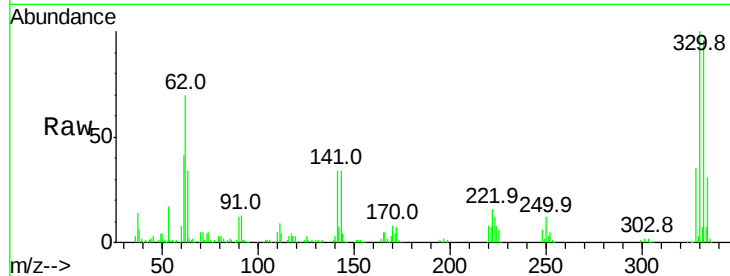




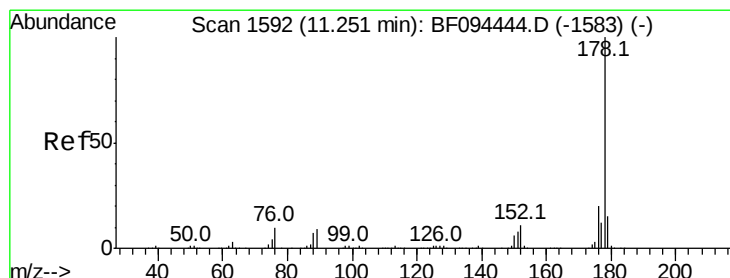
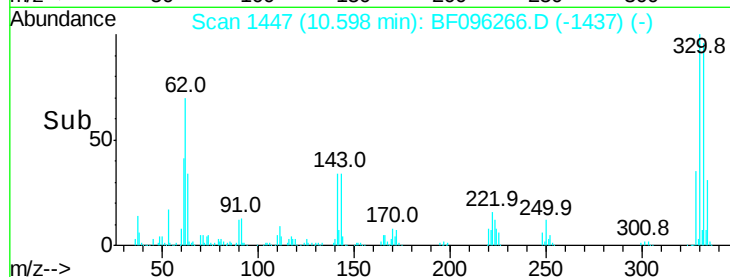
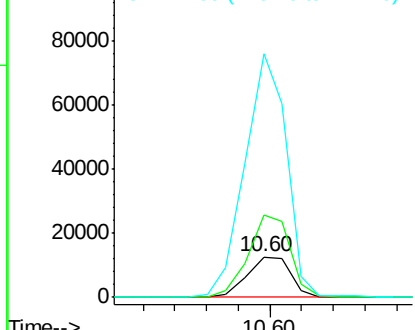
#66
4-Bromophenyl-phenylether
Concen: 3.30 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.24 min
Lab File: BF096266.D
Acq: 28 Jun 2017 22:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11957
Ion Ratio Lower Upper
248 100
250 201.3 76.8 115.2#
141 599.4 68.6 103.0#

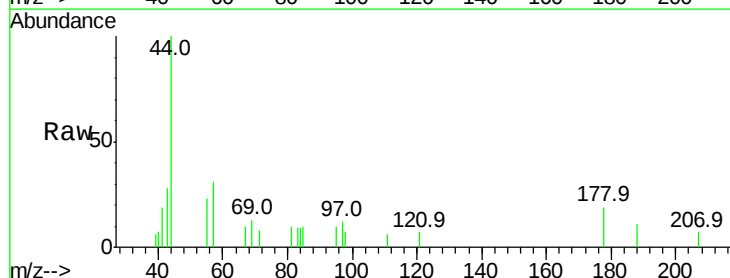


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

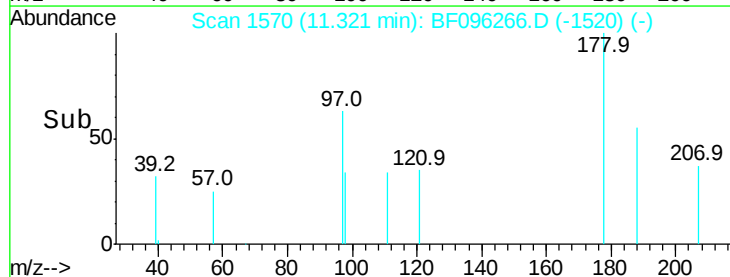
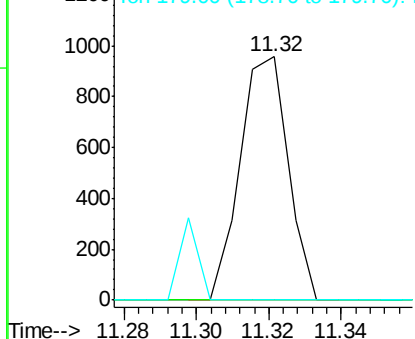


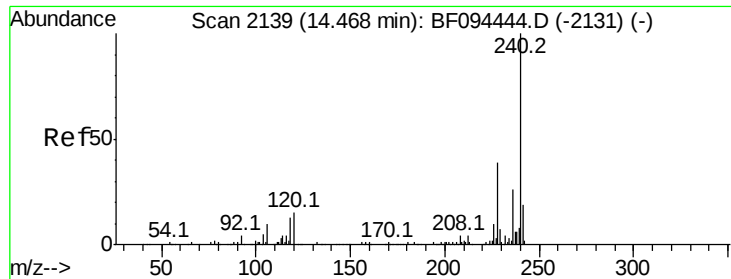
#70
Phenanthrene
Concen: Below Cal
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF096266.D
Acq: 28 Jun 2017 22:59

Tgt Ion:178 Resp: 882
Ion Ratio Lower Upper
178 100
176 0.0 16.2 24.4#
179 0.0 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096266.D

Acq: 28 Jun 2017 22:59

Instrument :

BNA_F

ClientSampleId :

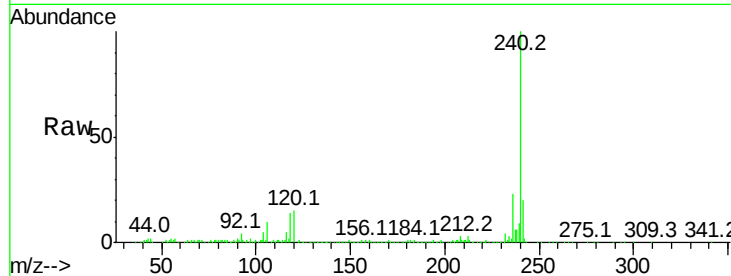
Tot Ion:240 Resp: 311627

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

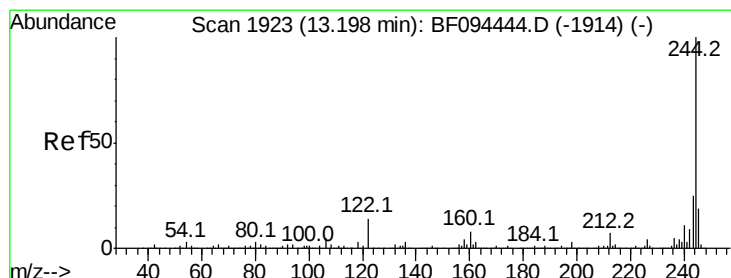
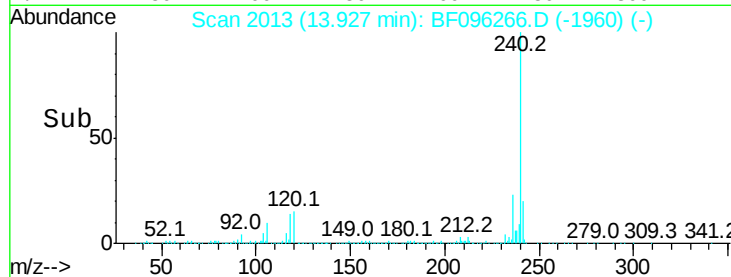
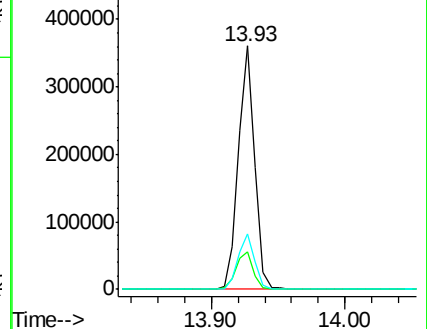
236 22.7 20.5 30.7



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



#78

Terphenyl-d14

Concen: 65.42 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.01 min

Lab File: BF096266.D

Acq: 28 Jun 2017 22:59

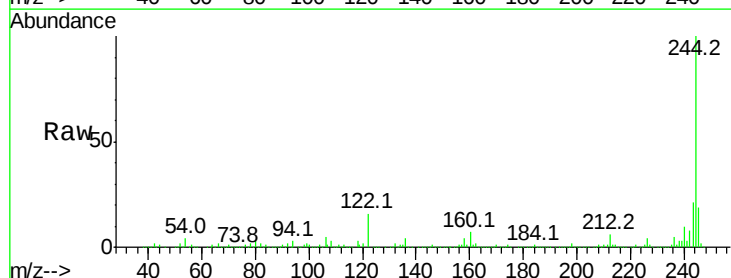
Tgt Ion:244 Resp: 817024

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

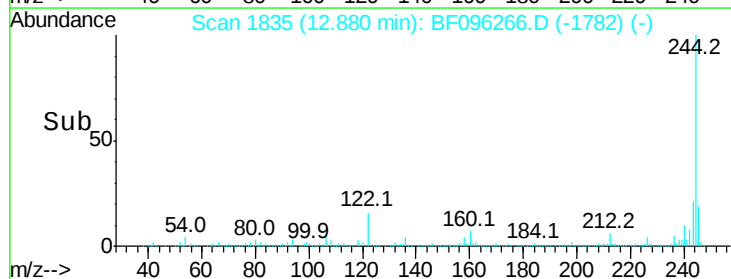
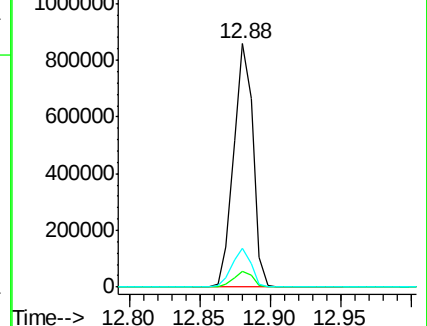
122 15.8 10.3 15.5#

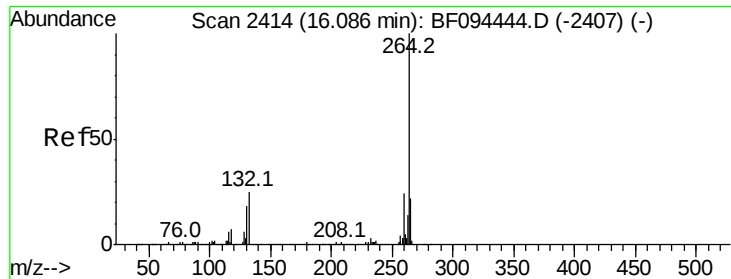


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

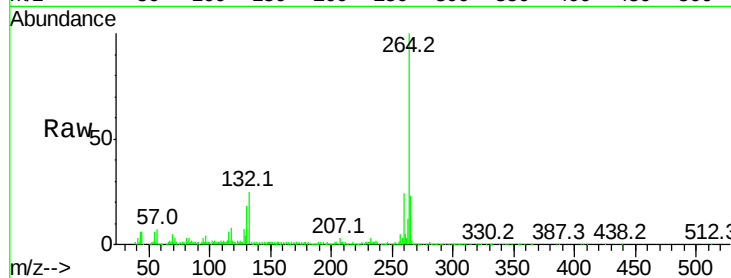




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.02 min
Lab File: BF096266.D
Acq: 28 Jun 2017 22:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.5	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

