

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096278.D
 Acq On : 29 Jun 2017 5:31
 Operator : SJ/MA
 Sample : I3909-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 06:14:43 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

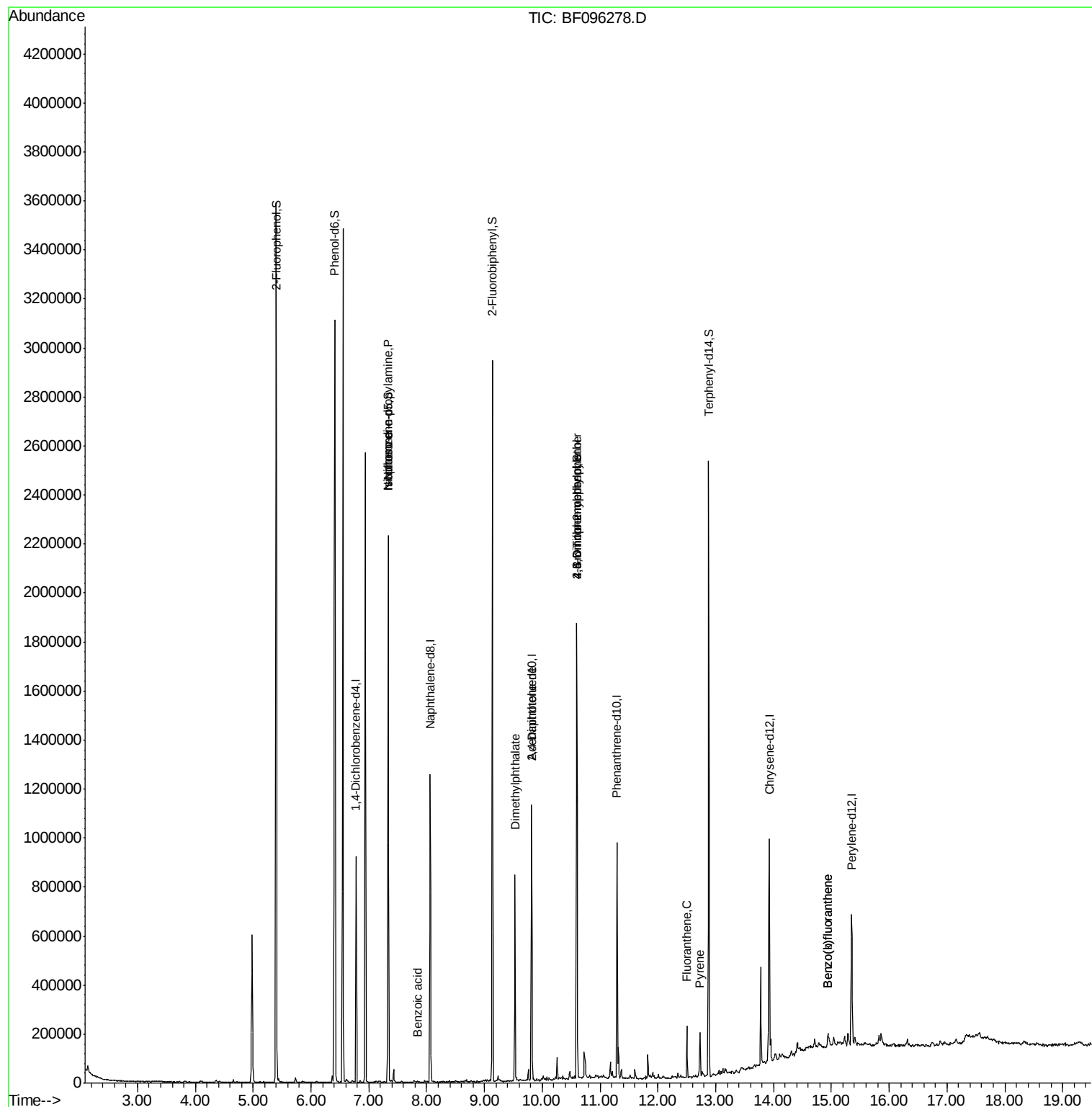
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	127341	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	509739	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	201253	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	330342	20.00	ng	0.00
75) Chrysene-d12	13.93	240	304845	20.00	ng	0.01
86) Perylene-d12	15.35	264	218035	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	970474	109.80	ng	0.02
7) Phenol-d6	6.41	99	1156183	108.03	ng	0.02
23) Nitrobenzene-d5	7.34	82	626223	85.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	212674	134.28	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	834325	75.92	ng	-0.01
78) Terphenyl-d14	12.88	244	710648	58.17	ng	0.01
Target Compounds						
9) Benzaldehyde	6.41	77	1584	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.34	70	81395	12.69	ng	# 88
25) Isophorone	7.34	82	626207	37.45	ng	# 67
32) Benzoic acid	7.85	122	136	8.81	ng	# 1
49) Dimethylphthalate	9.53	163	328946	22.84	ng	100
56) 2,4-Dinitrotoluene	9.82	165	25549	6.77	ng	# 33
57) Fluorene	10.36	166	3595	Below Cal		87
64) 4,6-Dinitro-2-methylphenol	10.60	198	262	8.87	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	11638	3.42	ng	# 1
70) Phenanthrene	11.32	178	40367	Below Cal		95
74) Fluoranthene	12.50	202	74619	4.07	ng	96
77) Pylene	12.73	202	70917	2.83	ng	95
87) Benzo(b)fluoranthene	14.94	252	37663	2.63	ng	# 89
88) Benzo(k)fluoranthene	14.94	252	37663	2.88	ng	# 93

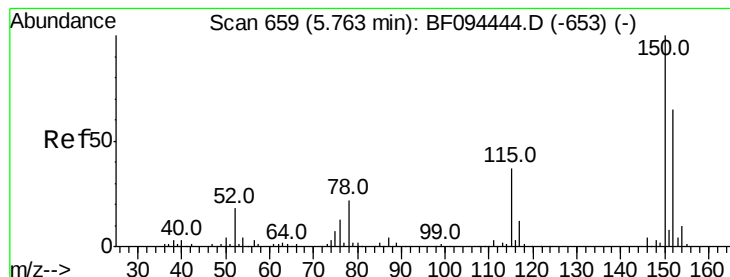
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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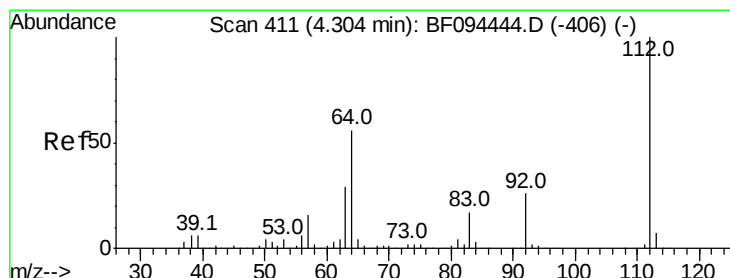
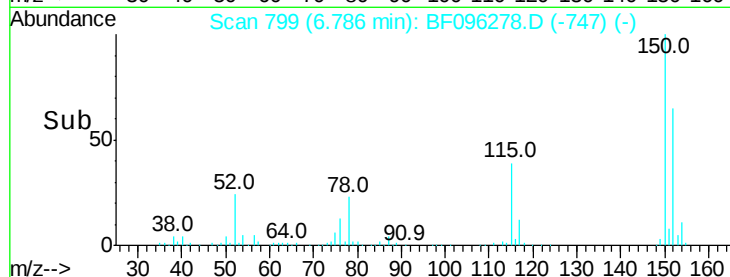
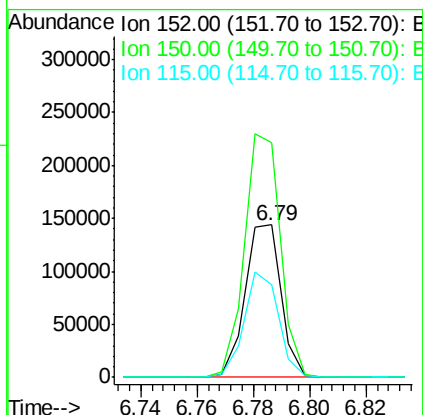
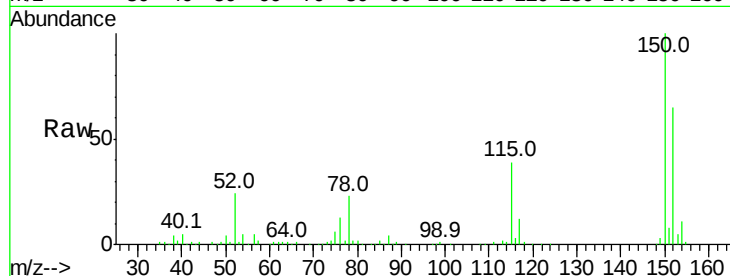


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

Instrument :
BNA_F
ClientSampleId :

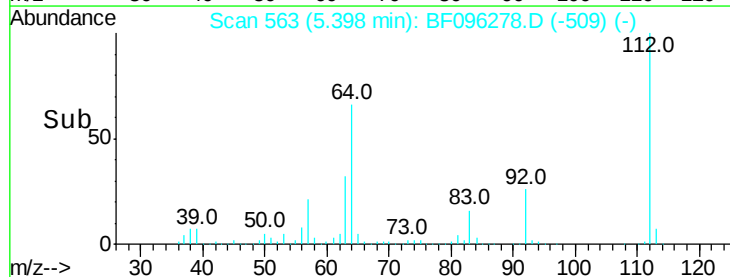
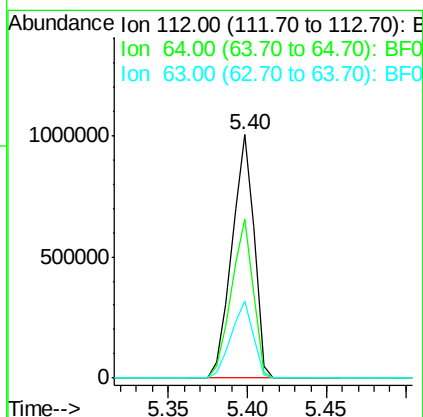
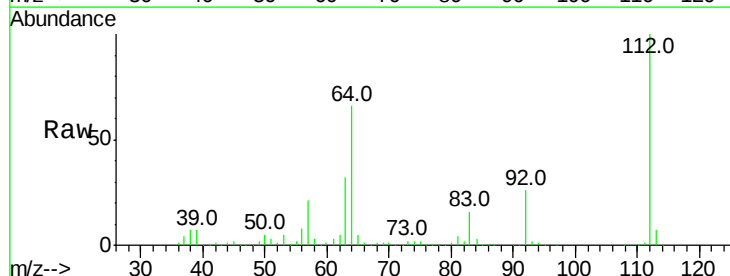
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.2	189.2
115	60.7	52.2	78.2

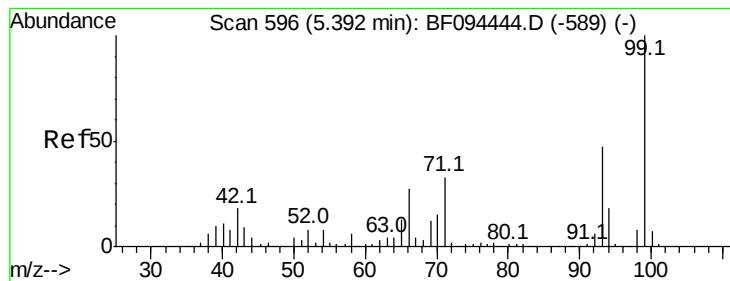


#5

2-Fluorophenol
Concen: 109.80 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	46.0	69.0
63	31.6	23.4	35.0





#7

Phenol-d6

Concen: 108.03 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.02 min

Lab File: BF096278.D

Acq: 29 Jun 2017 5:31

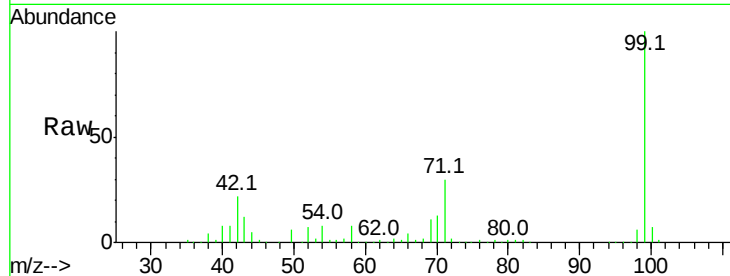
Instrument :

BNA_F

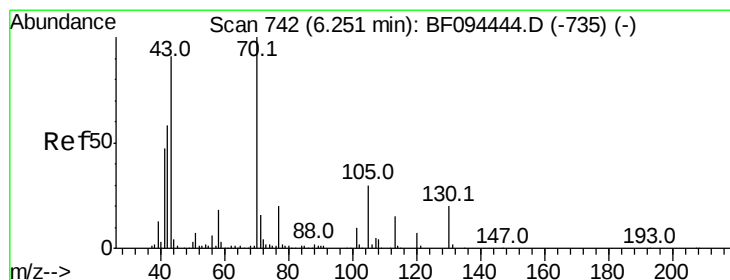
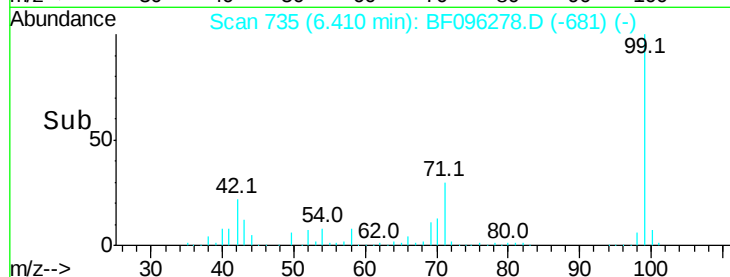
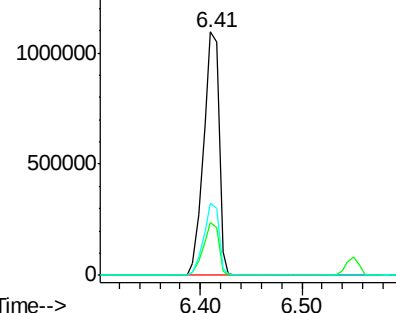
ClientSampled :

Tot Ion: 99 Resp: 1156183

Ion	Ratio	Lower	Upper
99	100		
42	21.9	13.5	20.3#
71	29.7	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: 12.69 ng

RT: 7.34 min Scan# 893

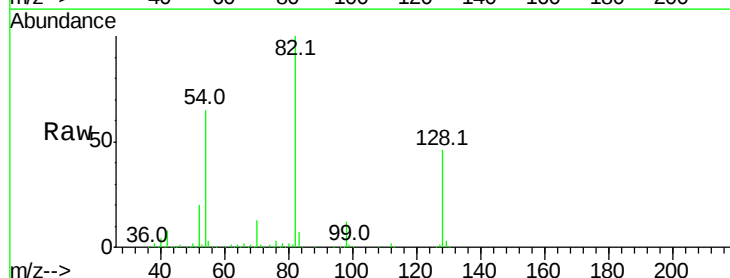
Delta R.T. 0.16 min

Lab File: BF096278.D

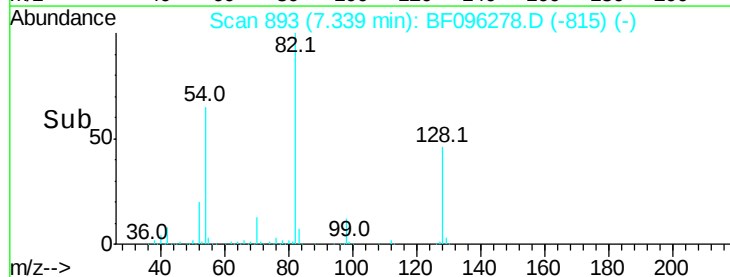
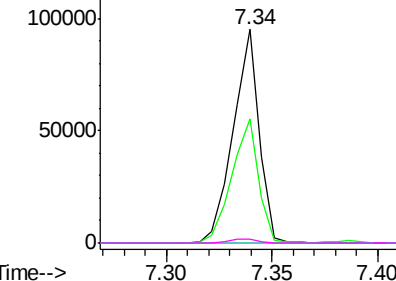
Acq: 29 Jun 2017 5:31

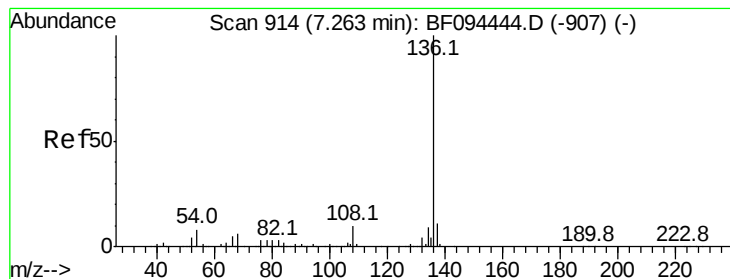
Tgt Ion: 70 Resp: 81395

Ion	Ratio	Lower	Upper
70	100		
42	58.0	47.2	70.8
101	0.0	7.2	10.8#
130	2.0	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: BF096278.D

Acq: 29 Jun 2017 5:31

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 509739

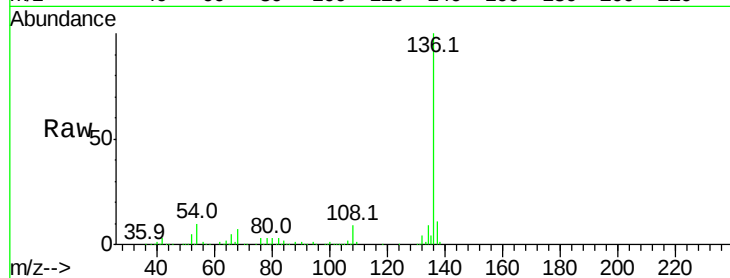
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 10.4 4.9 7.3#

68 7.0 4.1 6.1#

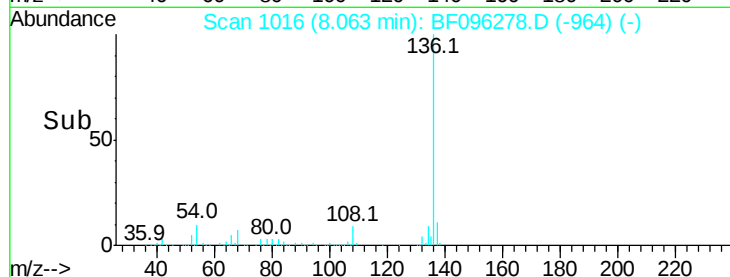


Abundance Ion 136.00 (135.70 to 136.70): E

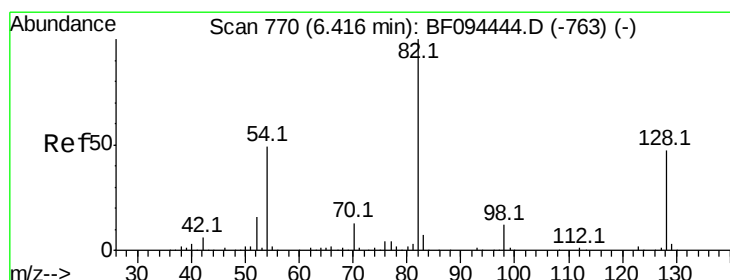
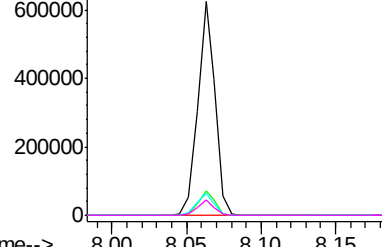
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 85.04 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.02 min

Lab File: BF096278.D

Acq: 29 Jun 2017 5:31

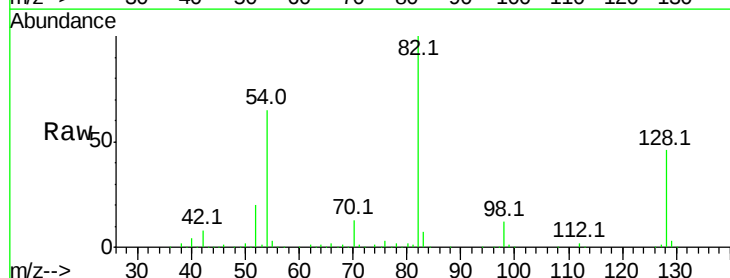
Tgt Ion: 82 Resp: 626223

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

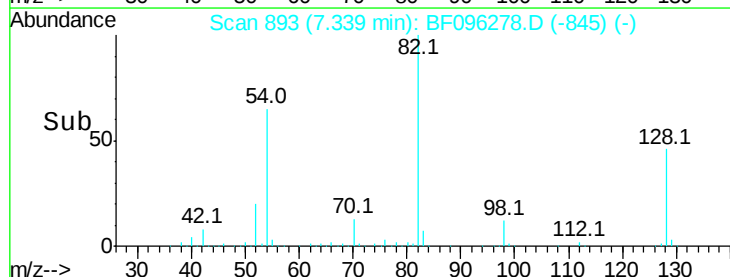
54 64.5 42.2 63.2#



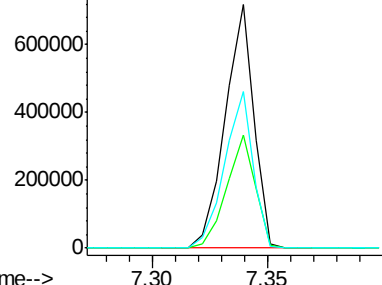
Abundance Ion 82.00 (81.70 to 82.70): BF0

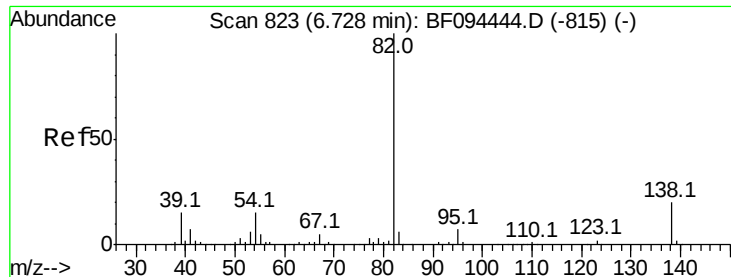
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 37.45 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.25 min

Lab File: BF096278.D

Acq: 29 Jun 2017 5:31

Instrument :

BNA_F

ClientSampled :

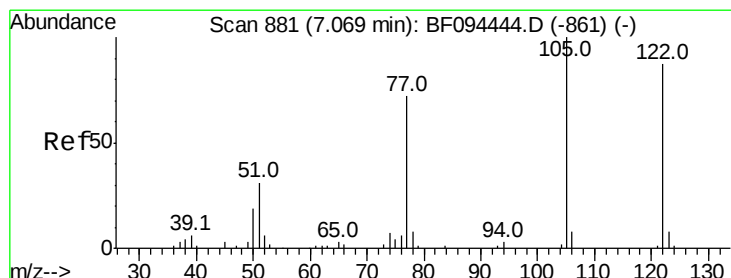
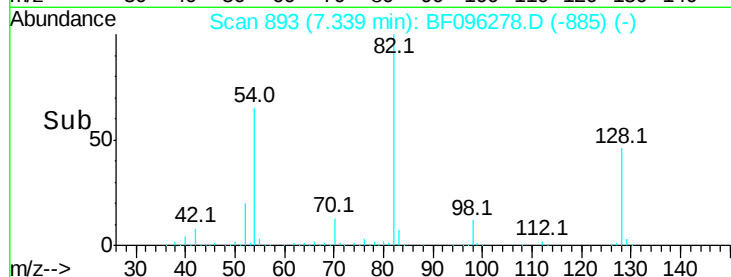
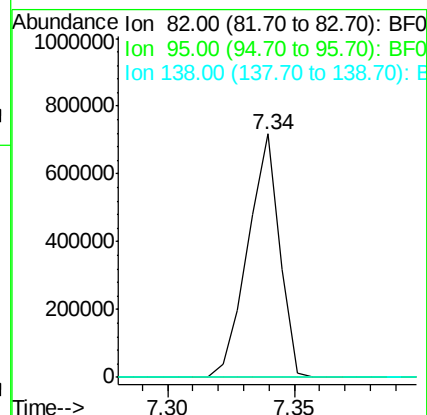
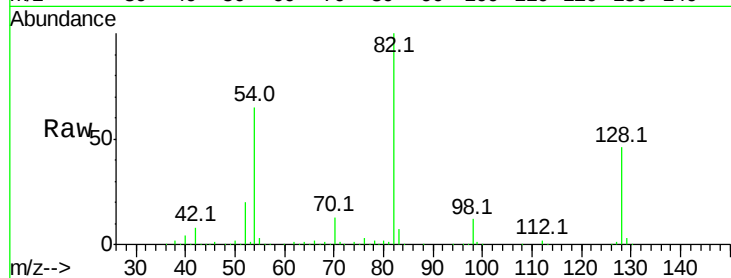
Tot Ion: 82 Resp: 626207

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 8.81 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.04 min

Lab File: BF096278.D

Acq: 29 Jun 2017 5:31

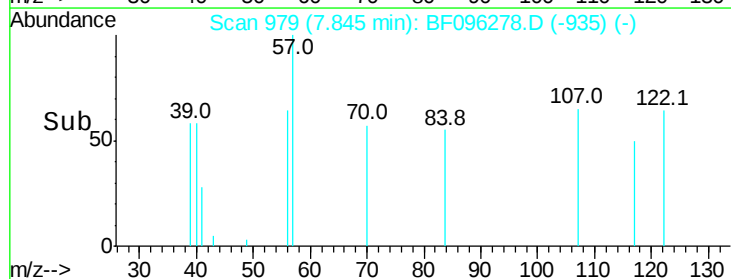
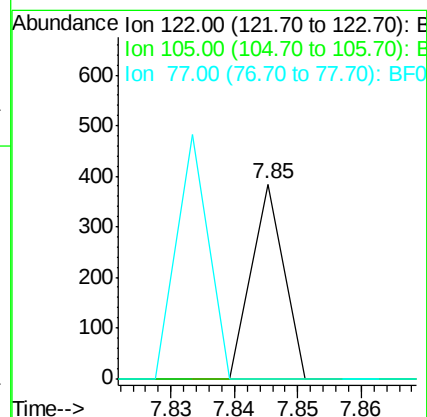
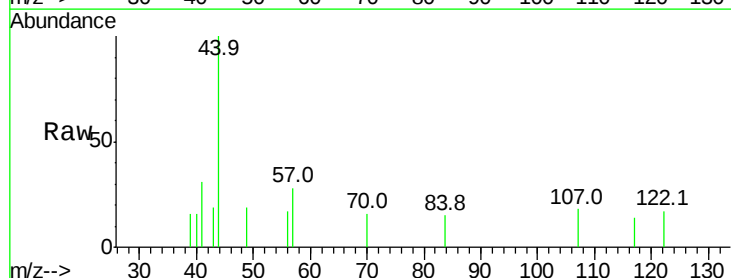
Tgt Ion: 122 Resp: 136

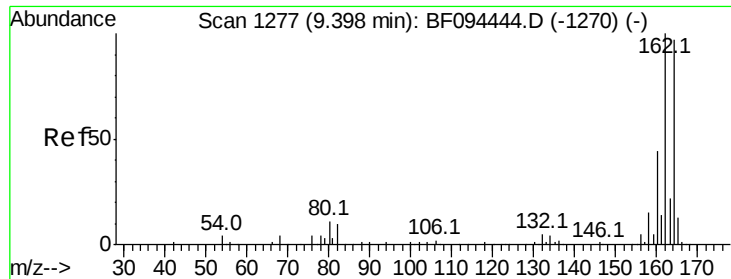
Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

77 0.0 73.7 113.7#

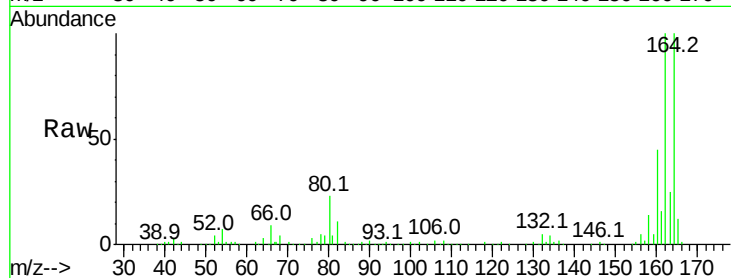




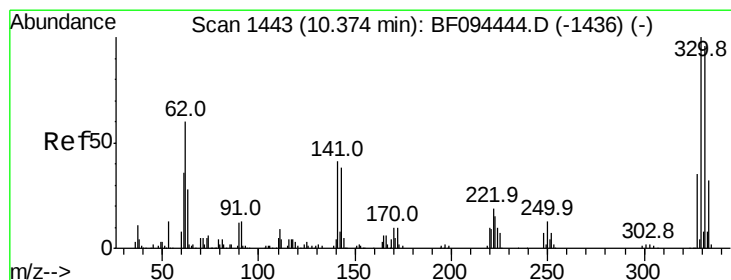
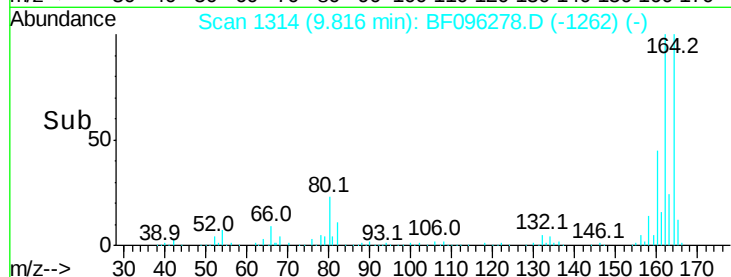
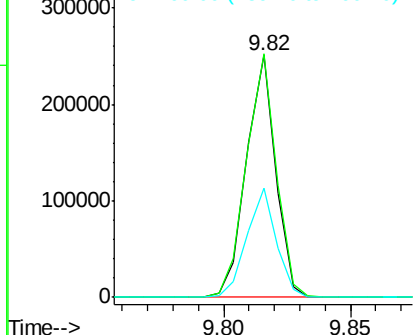
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 201253
Ion Ratio Lower Upper
164 100
162 100.5 82.6 123.8
160 45.2 36.2 54.2

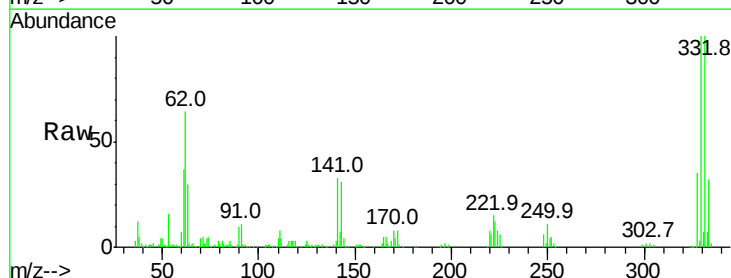


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

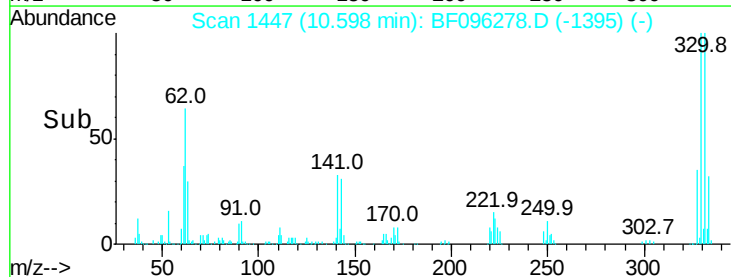
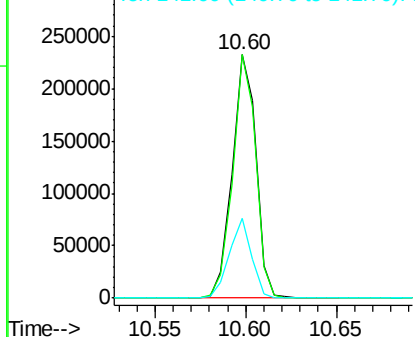


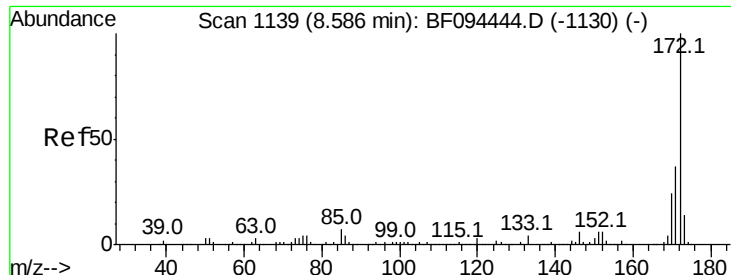
#41
2,4,6-Tribromophenol
Concen: 134.28 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

Tgt Ion:330 Resp: 212674
Ion Ratio Lower Upper
330 100
332 97.0 76.6 115.0
141 30.8 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

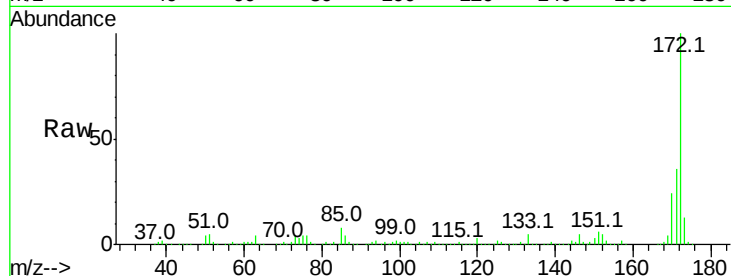




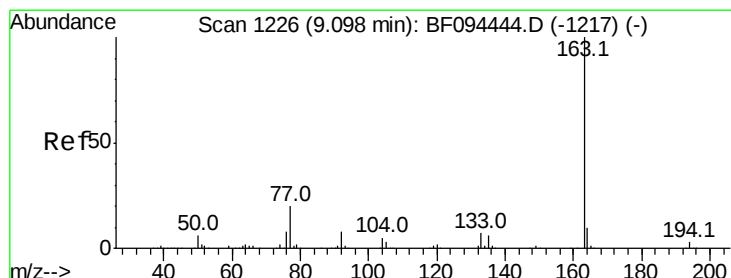
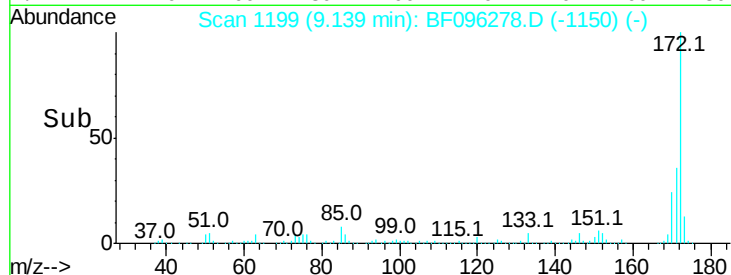
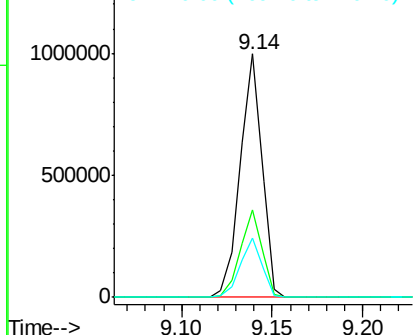
#44
2-Fluorobiphenyl
Concen: 75.92 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 834325
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 24.1 19.8 29.8

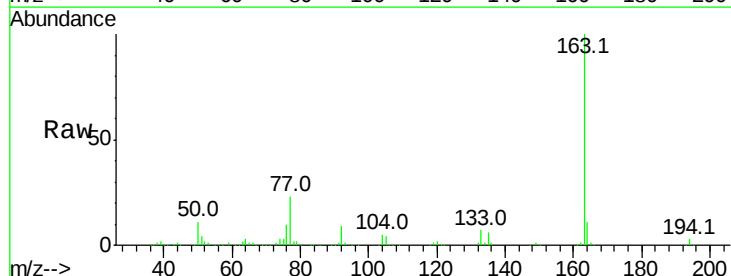


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

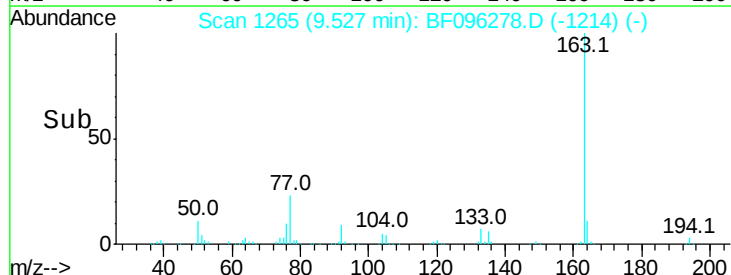
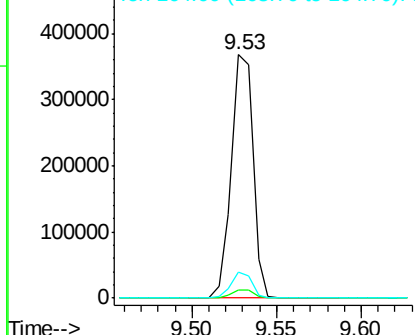


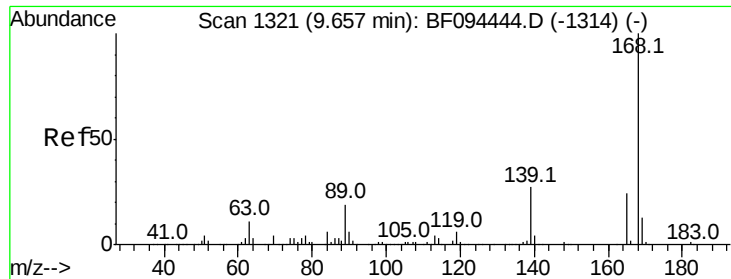
#49
Dimethylphthalate
Concen: 22.84 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

Tgt Ion:163 Resp: 328946
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.5 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

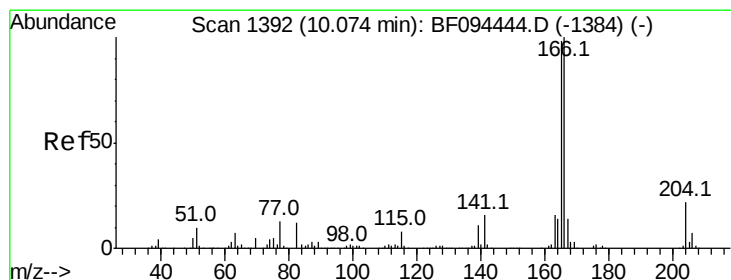
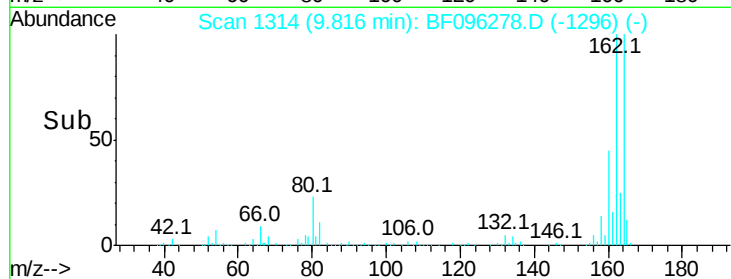
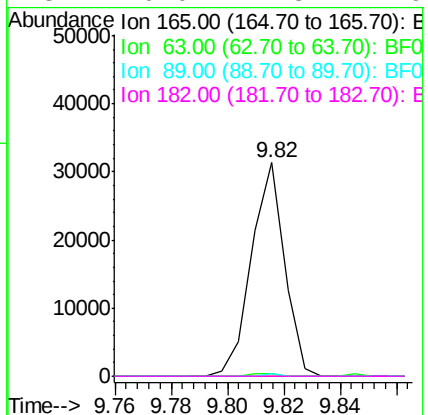
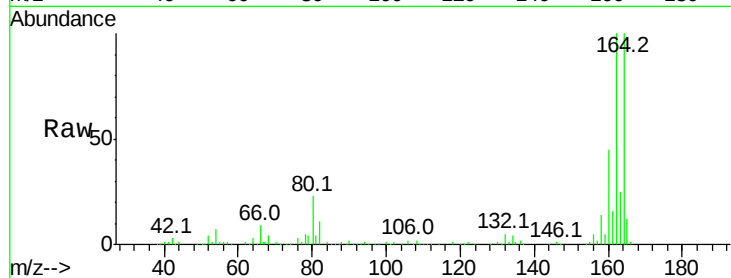




#56
2,4-Dinitrotoluene
Concen: 6.77 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.19 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

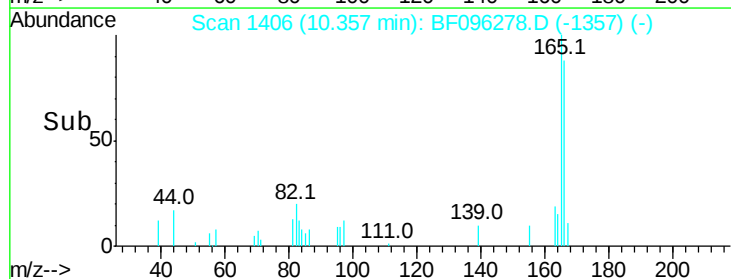
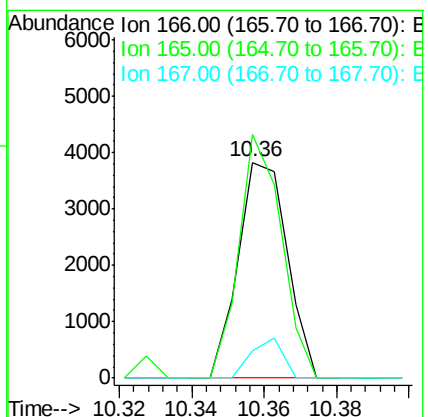
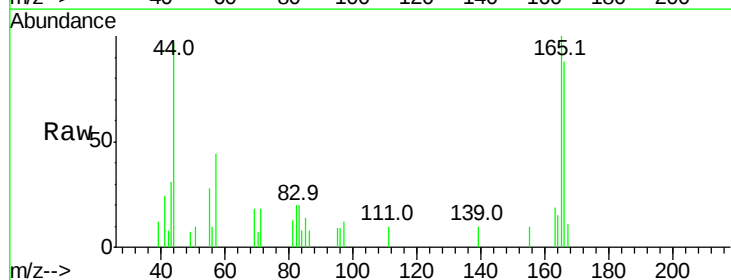
Instrument :
BNA_F
ClientSampled :

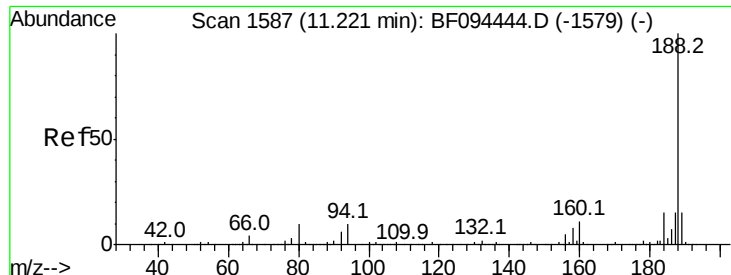
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#



#57
Fluorene
Concen: Below Cal
RT: 10.36 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	113.0	78.8	118.2
167	12.6	10.6	16.0

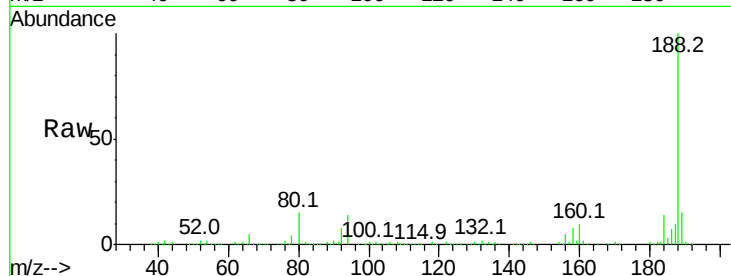




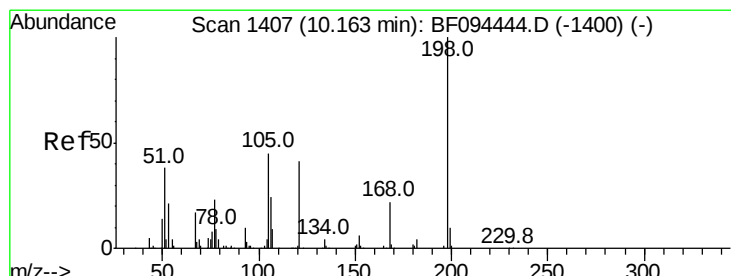
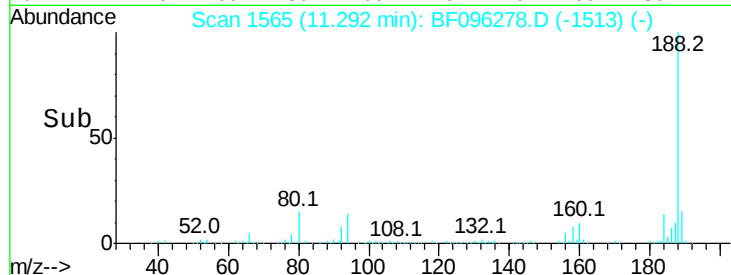
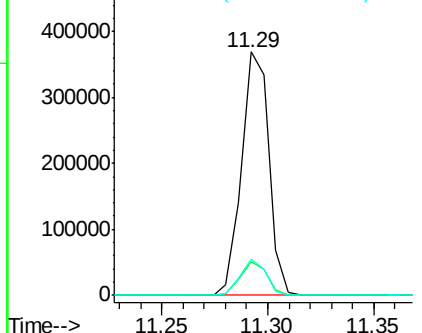
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF096278.D
 Acq: 29 Jun 2017 5:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 330342
 Ion Ratio Lower Upper
 188 100
 94 13.7 9.4 14.2
 80 14.7 10.2 15.2

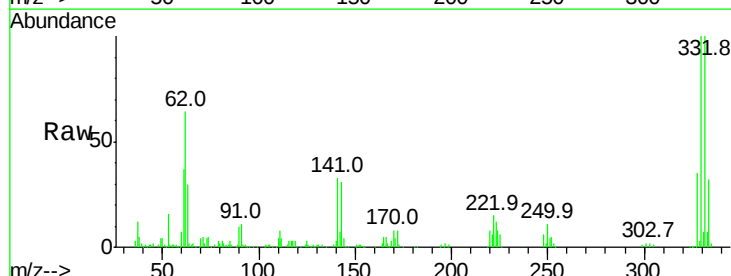


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

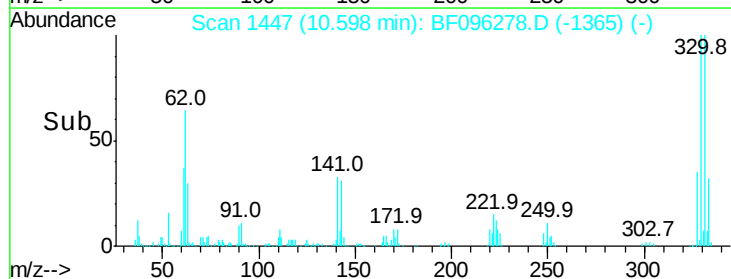
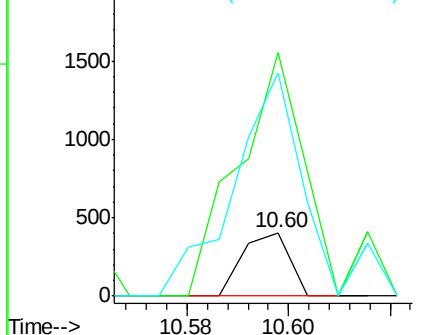


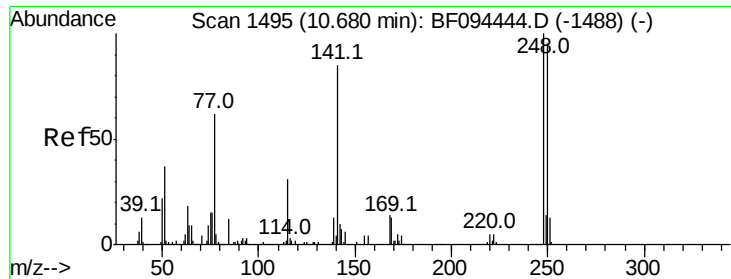
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.87 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.18 min
 Lab File: BF096278.D
 Acq: 29 Jun 2017 5:31

Tgt Ion:198 Resp: 262
 Ion Ratio Lower Upper
 198 100
 51 384.7 53.2 93.2#
 105 352.2 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

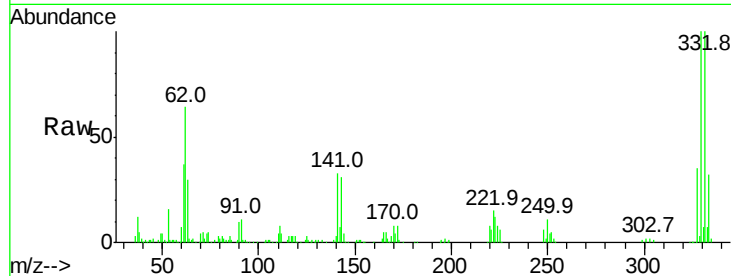




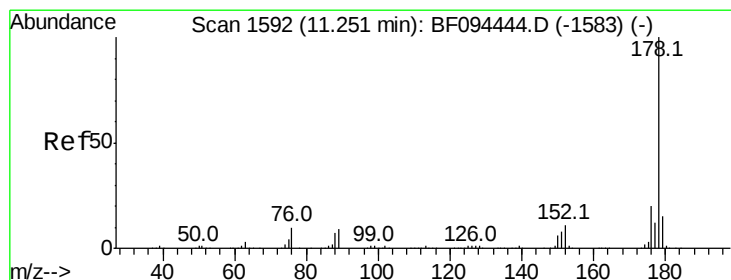
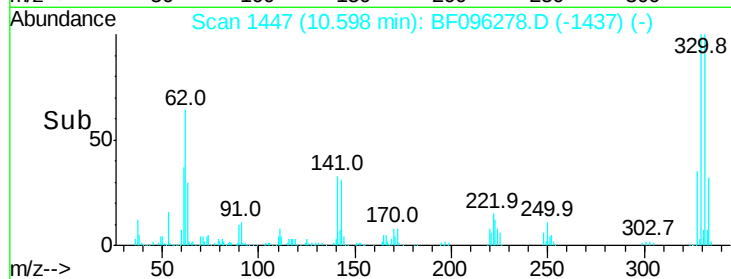
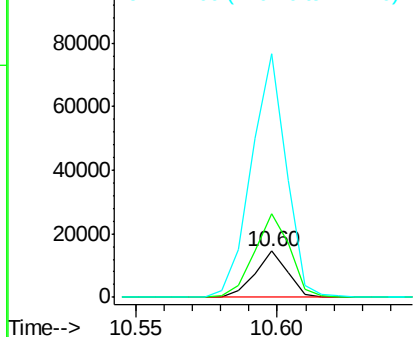
#66
 4-Bromophenyl-phenylether
 Concen: 3.42 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.24 min
 Lab File: BF096278.D
 Acq: 29 Jun 2017 5:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11638
 Ion Ratio Lower Upper
 248 100
 250 181.2 76.8 115.2#
 141 526.6 68.6 103.0#

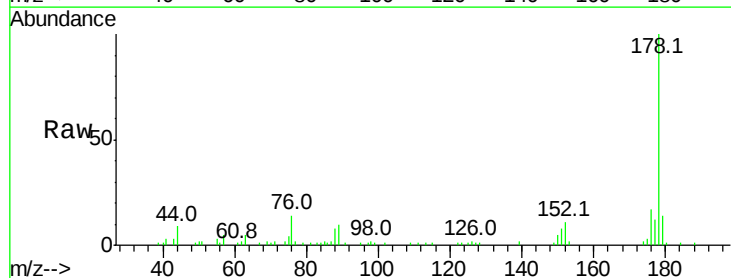


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

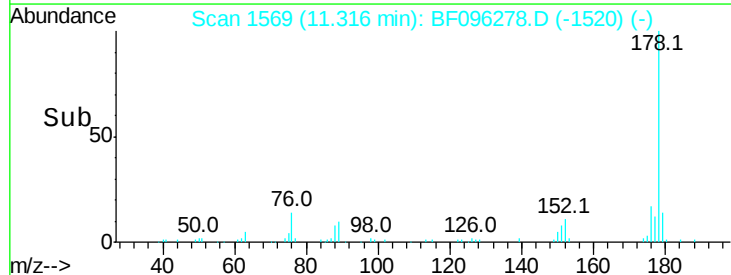
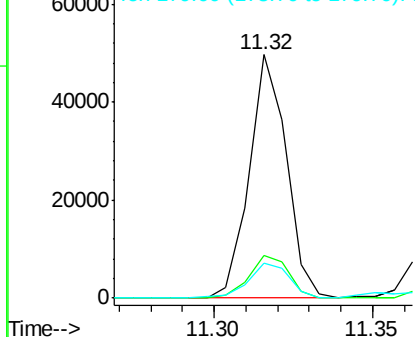


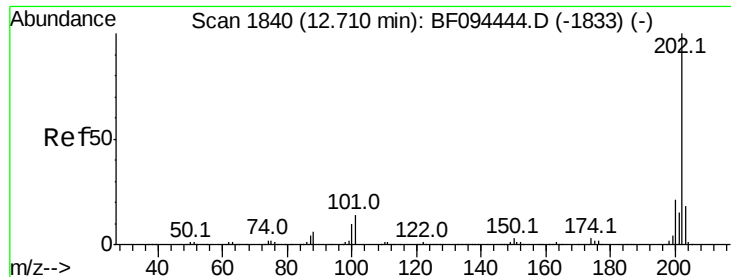
#70
 Phenanthrene
 Concen: Below Cal
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF096278.D
 Acq: 29 Jun 2017 5:31

Tgt Ion:178 Resp: 40367
 Ion Ratio Lower Upper
 178 100
 176 17.4 16.2 24.4
 179 14.5 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





#74

Fluoranthene

Concen: 4.07 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BF096278.D

Acq: 29 Jun 2017 5:31

Instrument :

BNA_F

ClientSampleId :

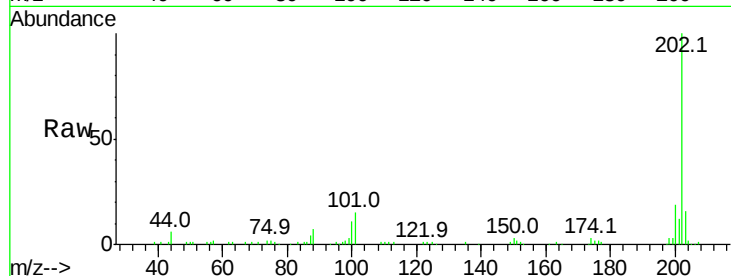
Tot Ion:202 Resp: 74619

Ion Ratio Lower Upper

202 100

101 15.0 0.0 33.2

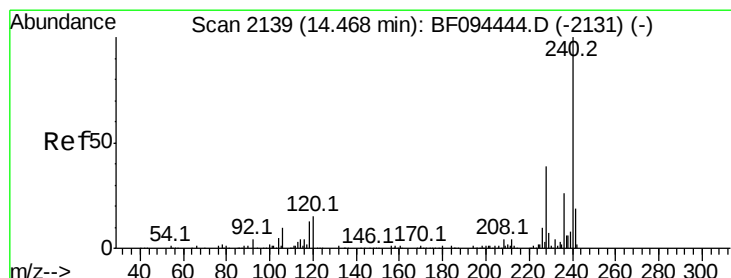
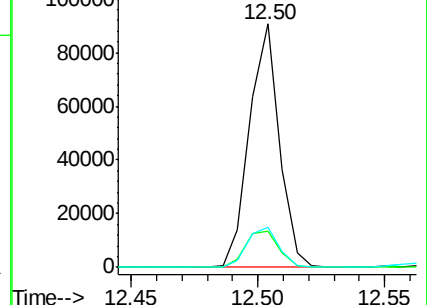
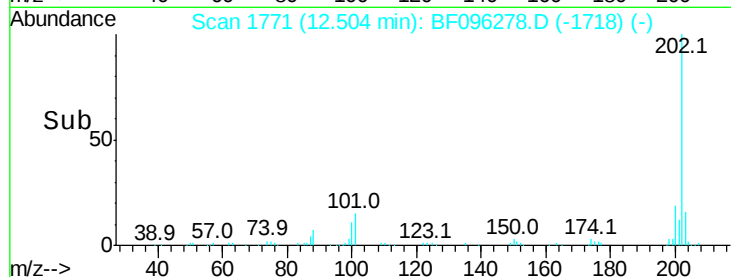
203 16.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096278.D

Acq: 29 Jun 2017 5:31

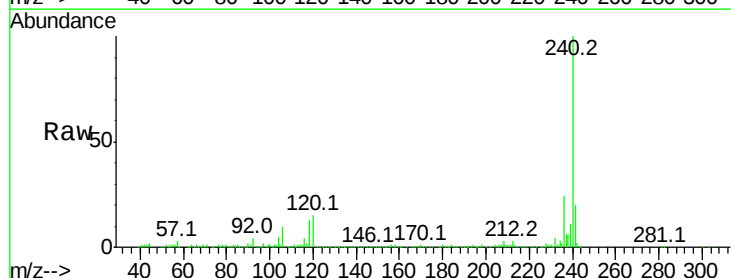
Tgt Ion:240 Resp: 304845

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

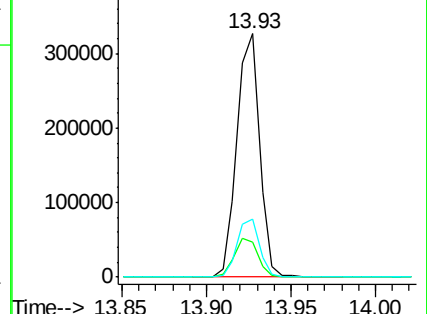
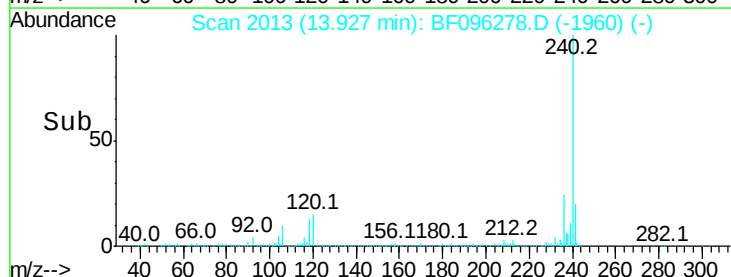
236 24.1 20.5 30.7

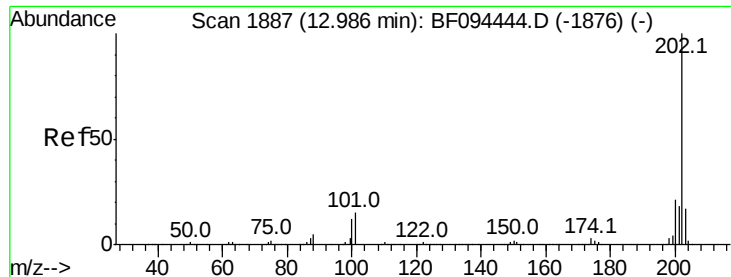


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

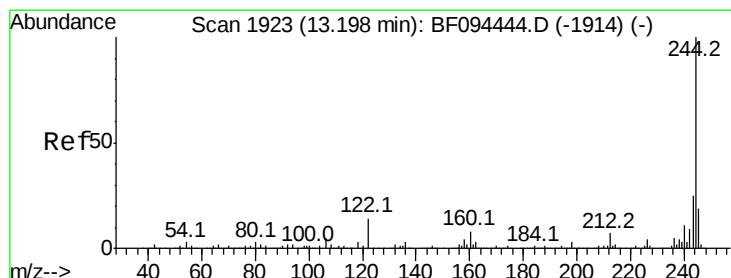
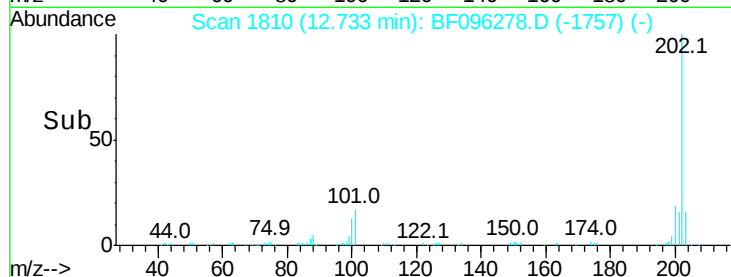
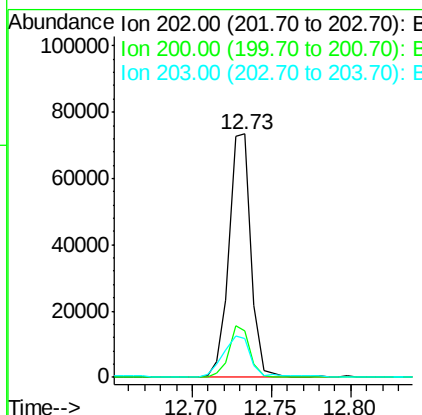
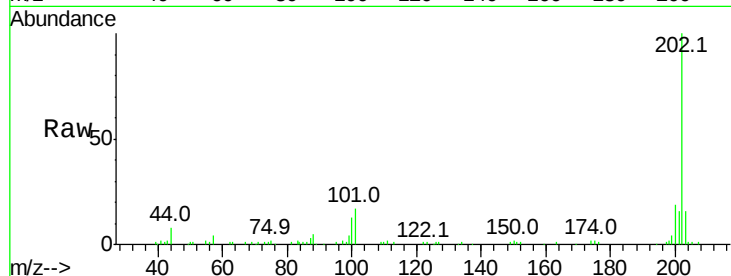




#77
Pvrene
Concen: 2.83 ng
RT: 12.73 min Scan# 1810
Delta R.T. 0.01 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

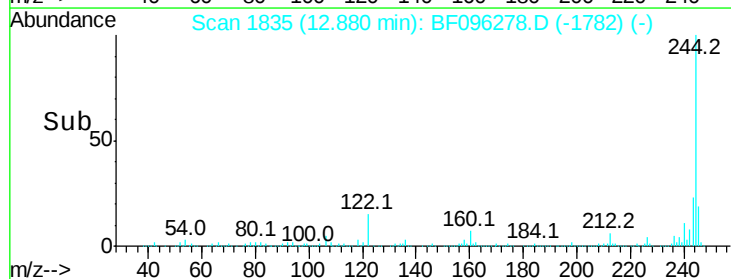
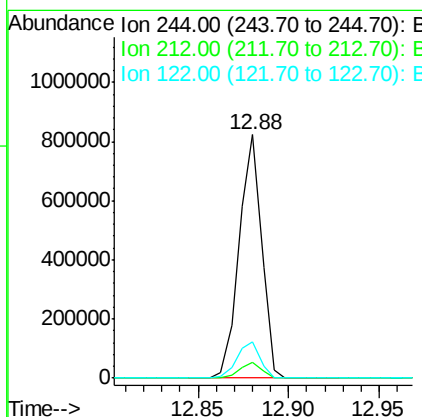
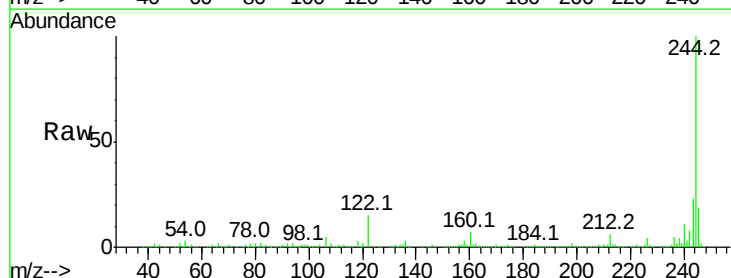
Instrument :
BNA_F
ClientSampleId :

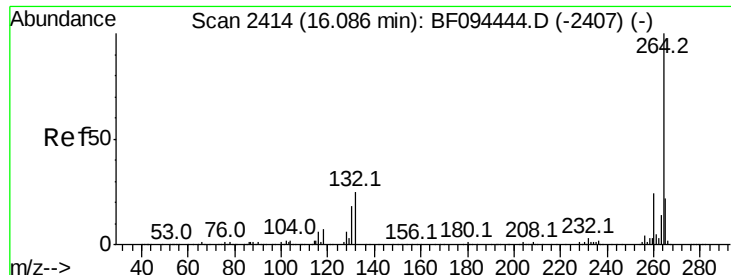
Tot Ion:202 Resp: 70917
Ion Ratio Lower Upper
202 100
200 19.3 17.6 26.4
203 16.1 14.4 21.6



#78
Terphenyl-d14
Concen: 58.17 ng
RT: 12.88 min Scan# 1835
Delta R.T. 0.01 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

Tgt Ion:244 Resp: 710648
Ion Ratio Lower Upper
244 100
212 6.4 6.0 9.0
122 14.9 10.3 15.5

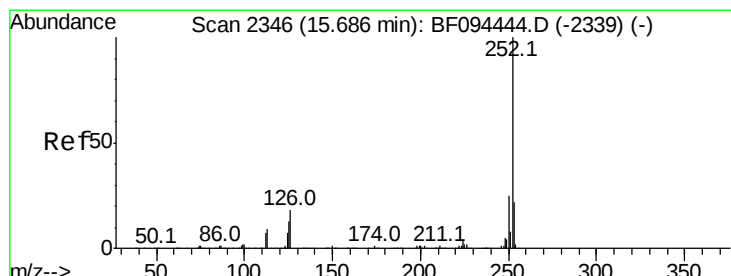
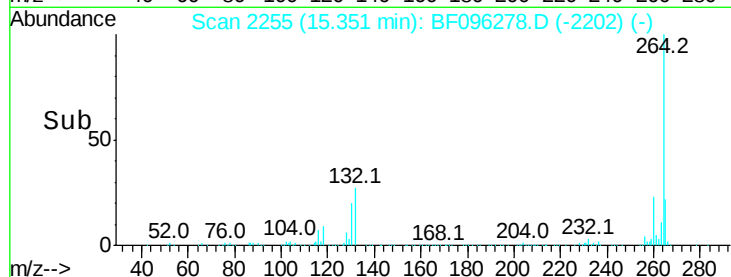
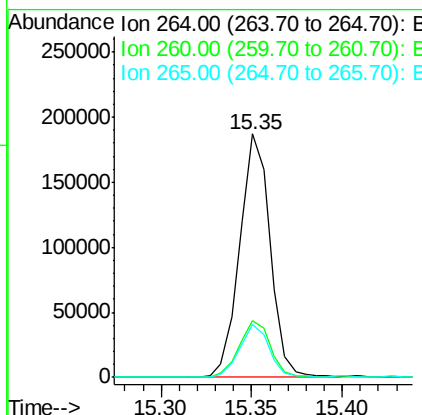
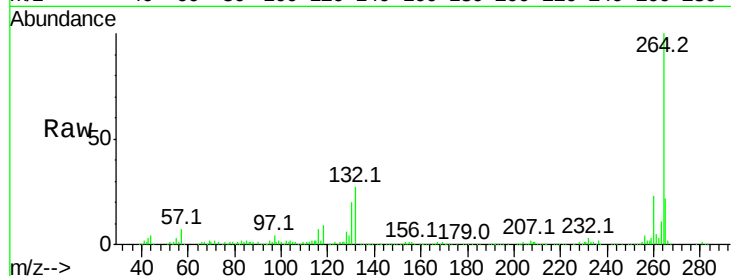




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

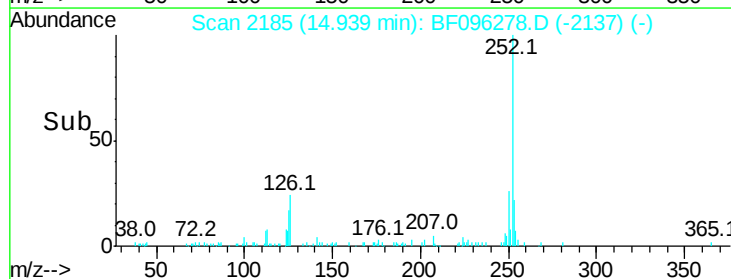
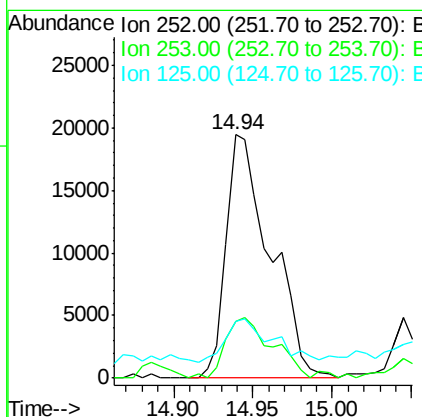
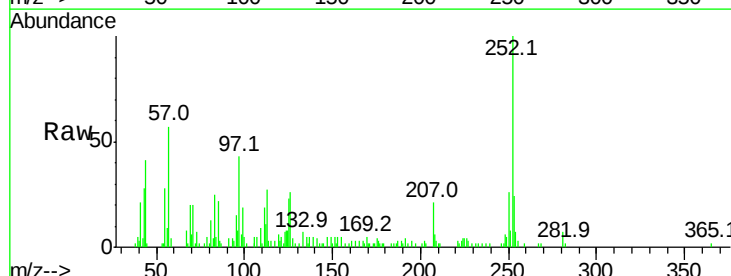
Instrument :
BNA_F
ClientSampled :

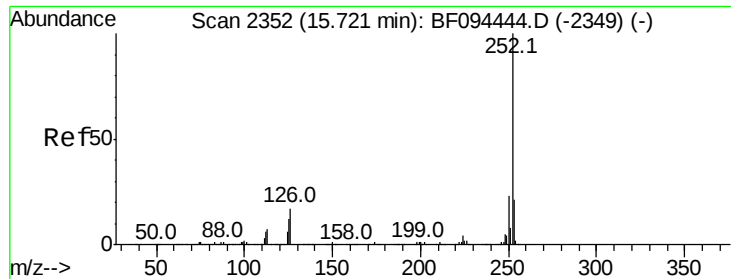
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.7	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.63 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096278.D
Acq: 29 Jun 2017 5:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	23.3	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 2.88 ng

RT: 14.94 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BF096278.D

Acq: 29 Jun 2017 5:31

Instrument :

BNA_F

ClientSampleId :

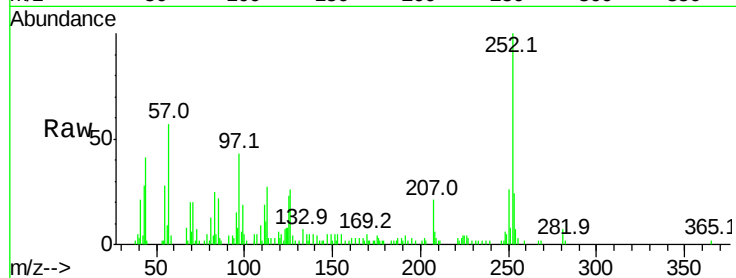
Tot Ion:252 Resp: 37663

Ion Ratio Lower Upper

252 100

253 23.5 18.4 27.6

125 23.3 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

