

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096285.D
 Acq On : 29 Jun 2017 12:13
 Operator : SJ/MA
 Sample : I3893-07RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 17:31:52 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	6.77	152	188629	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	773757	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	330038	20.00	ng	0.00
63) Phenanthrene-d10	11.28	188	529302	20.00	ng	0.00
75) Chrysene-d12	13.92	240	232989	20.00	ng	0.00
86) Perylene-d12	15.34	264	326324	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1343519	102.61	ng	0.01
7) Phenol-d6	6.40	99	1678602	105.88	ng	0.01
23) Nitrobenzene-d5	7.33	82	977953	87.49	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	339360	130.66	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1327225	73.65	ng	-0.02
78) Terphenyl-d14	12.87	244	997992	106.88	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.32	77	908	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.33	70	128790	13.56	ng	# 87
25) Isophorone	7.33	82	977724	38.52	ng	# 67
27) 2,4-Dimethylphenol	7.76	122	25269	2.20	ng	# 5
32) Benzoic acid	7.76	122	25269	11.33	ng	97
49) Dimethylphthalate	9.52	163	327867	13.88	ng	98
56) 2,4-Dinitrotoluene	9.80	165	42361	6.84	ng	# 33
57) Fluorene	10.35	166	3403	Below Cal		87
64) 4,6-Dinitro-2-methylphenol	10.59	198	502	8.90	ng	# 1
66) 4-Bromophenyl-phenylether	10.59	248	18320	3.36	ng	# 1
70) Phenanthrene	11.30	178	68115	Below Cal		96
74) Fluoranthene	12.49	202	79043	2.69	ng	95
77) Pvrene	12.72	202	74981	3.92	ng	96
79) Butylbenzylphthalate	13.35	149	1205033	137.34	ng	# 74
83) Bis(2-ethylhexyl)phthalate	13.93	149	3137884	329.07	ng	# 99
84) Di-n-octyl phthalate	14.50	149	213963	10.89	ng	# 33

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

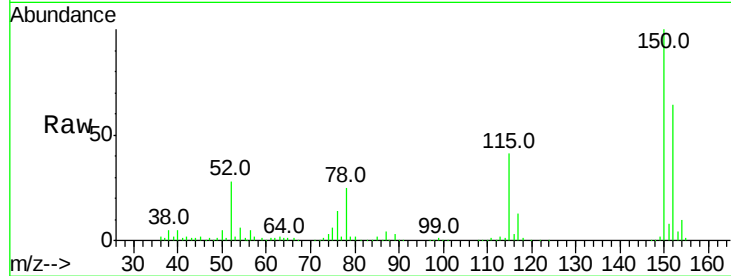


#1

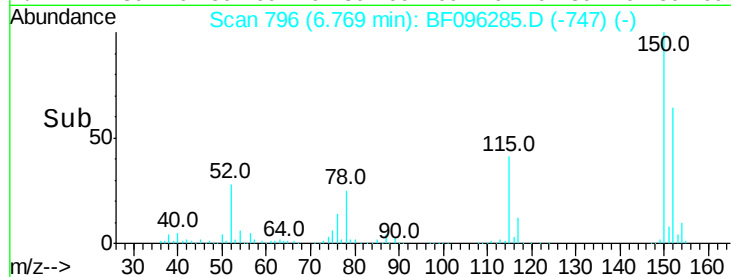
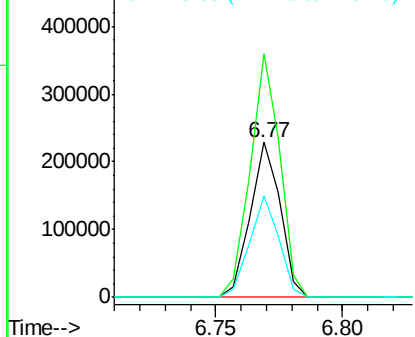
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096285.D
Acq: 29 Jun 2017 12:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 188629
Ion Ratio Lower Upper
152 100
150 156.9 126.2 189.2
115 65.1 52.2 78.2



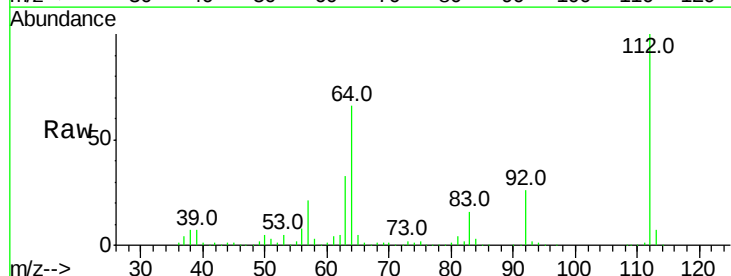
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



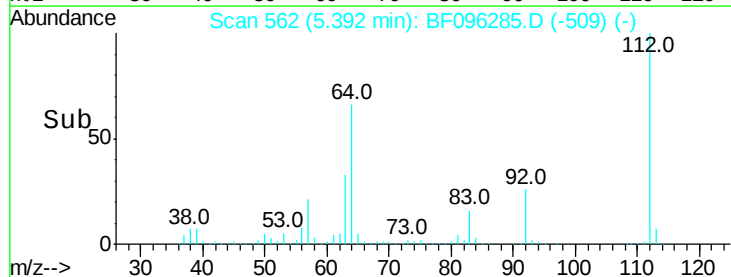
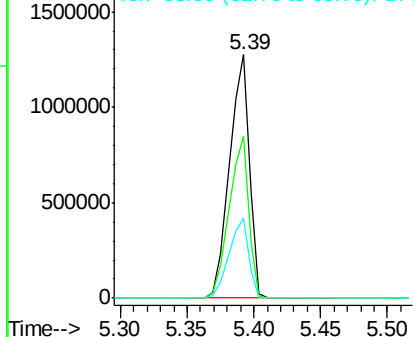
#5

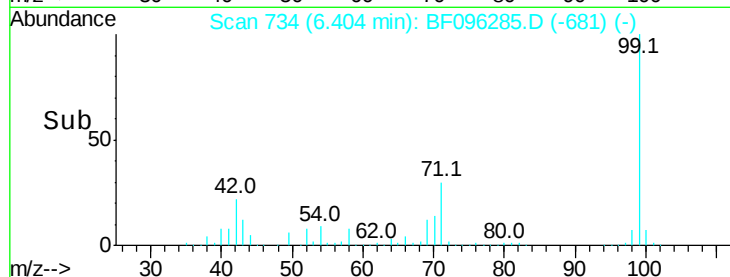
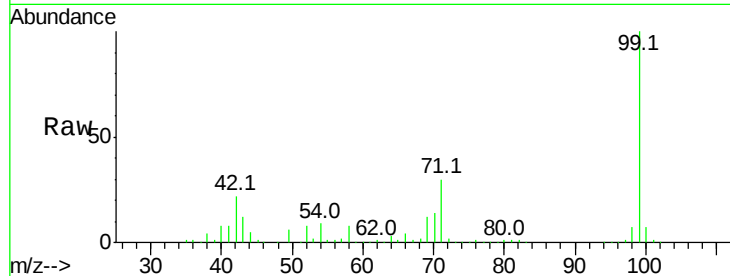
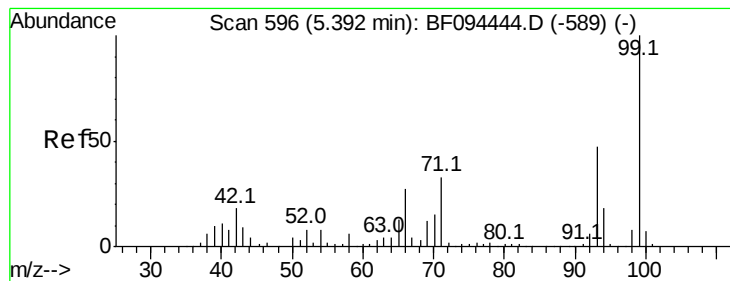
2-Fluorophenol
Concen: 102.61 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF096285.D
Acq: 29 Jun 2017 12:13

Tgt Ion:112 Resp: 1343519
Ion Ratio Lower Upper
112 100
64 66.5 46.0 69.0
63 32.7 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: 105.88 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

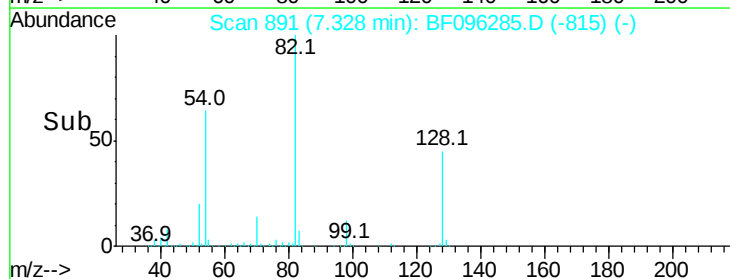
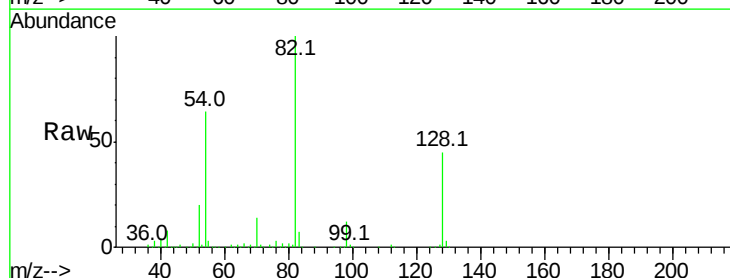
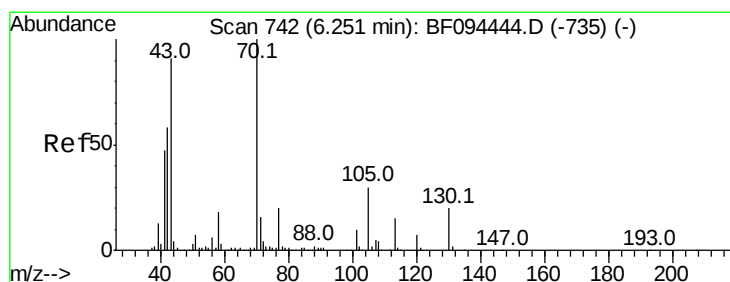
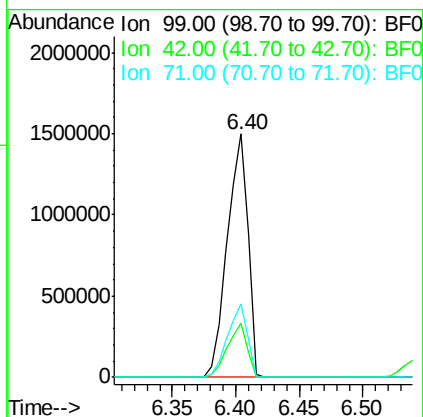
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1678602

Ion	Ratio	Lower	Upper
99	100		
42	22.1	13.5	20.3#
71	30.2	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.56 ng

RT: 7.33 min Scan# 891

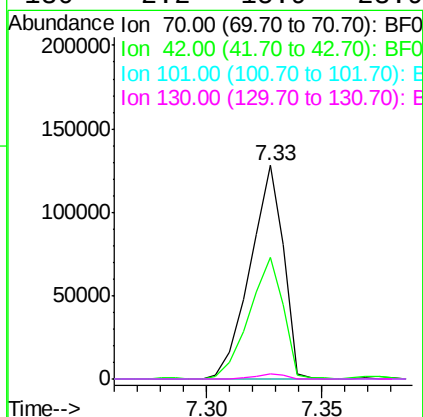
Delta R.T. 0.15 min

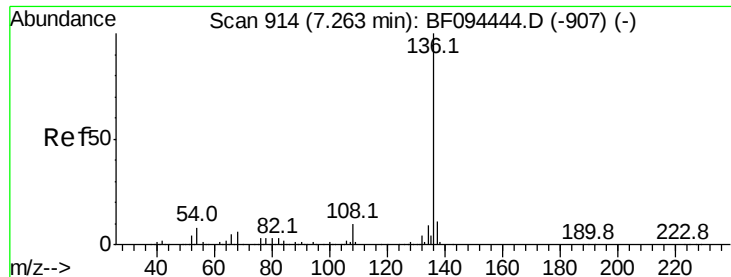
Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

Tgt Ion: 70 Resp: 128790

Ion	Ratio	Lower	Upper
70	100		
42	57.0	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 773757

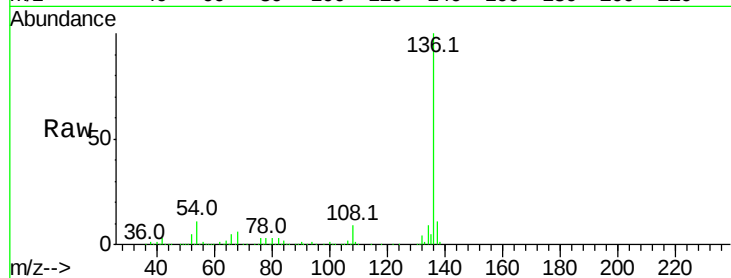
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.5 4.9 7.3#

68 6.4 4.1 6.1#

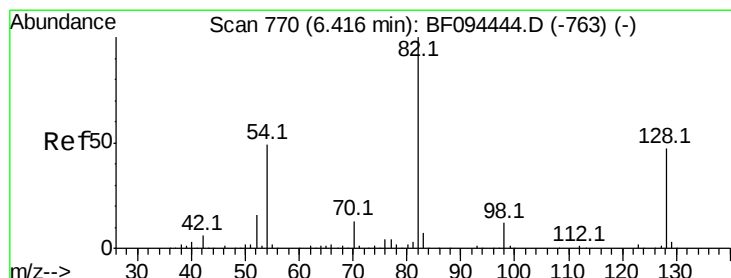
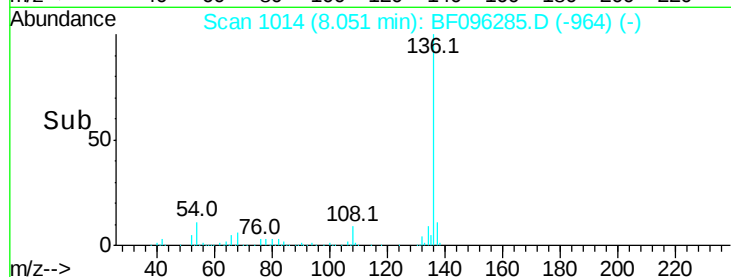
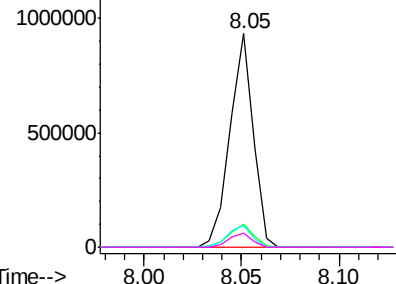


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.49 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.03 min

Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

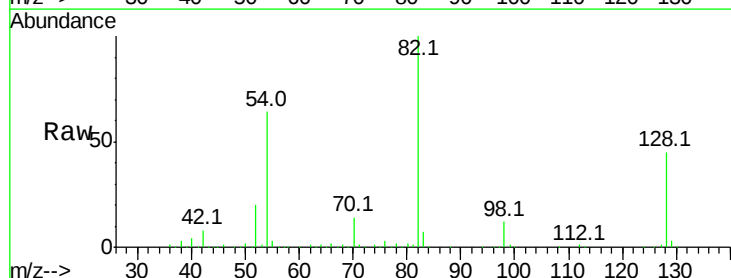
Tgt Ion: 82 Resp: 977953

Ion Ratio Lower Upper

82 100

128 45.4 34.0 51.0

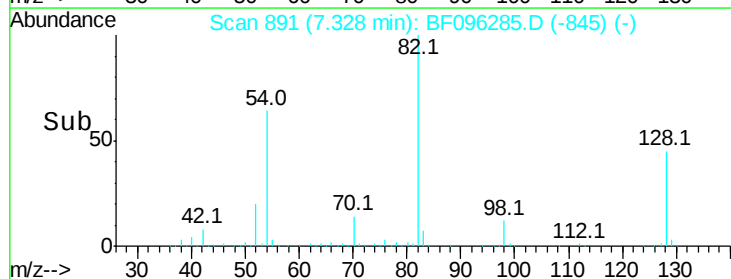
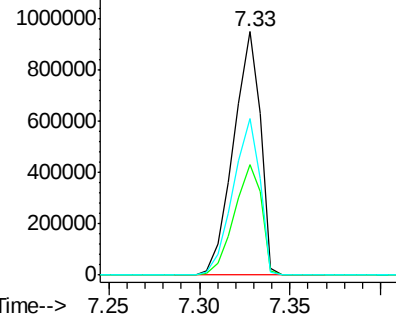
54 64.4 42.2 63.2#

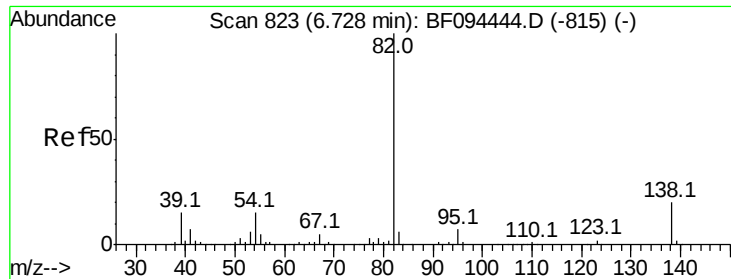


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.52 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

Instrument :
BNA_F
ClientSampleId :

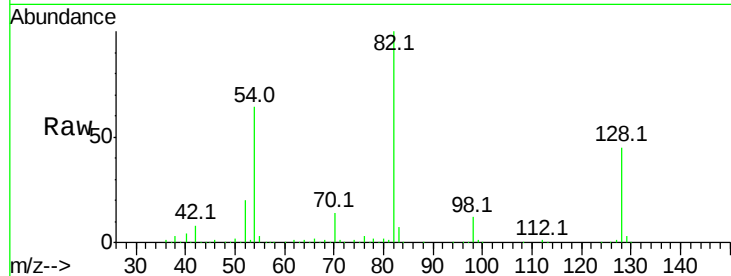
Tot Ion: 82 Resp: 977724

Ion Ratio Lower Upper

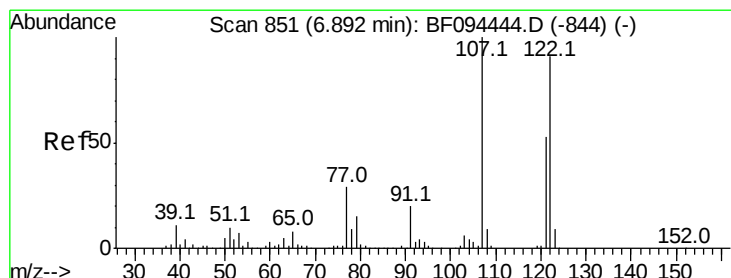
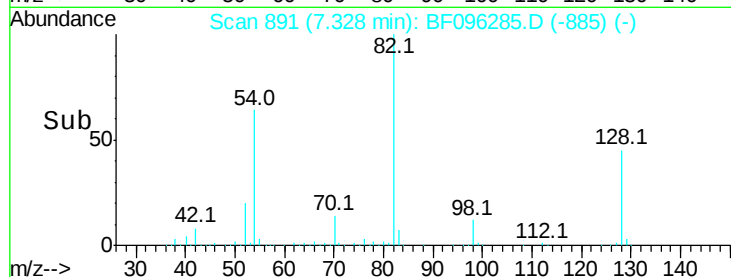
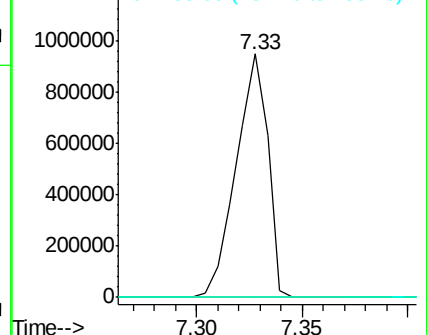
82 100

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): E



#27

2,4-Dimethylphenol

Concen: 2.20 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.05 min

Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

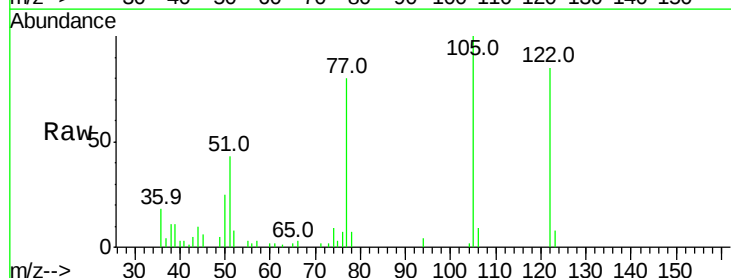
Tgt Ion:122 Resp: 25269

Ion Ratio Lower Upper

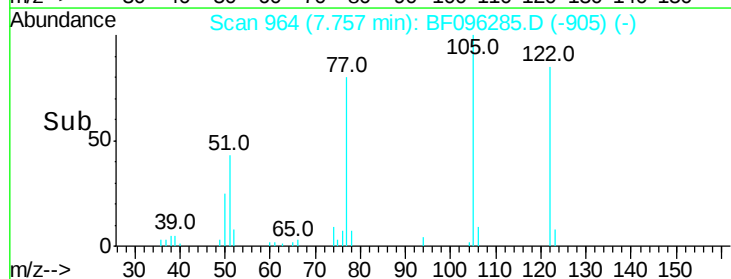
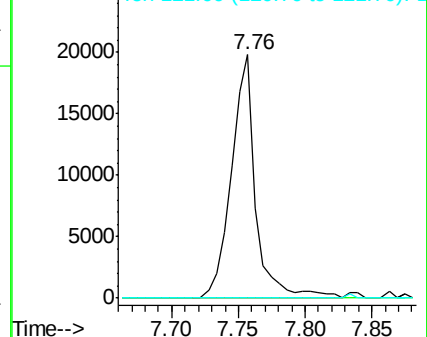
122 100

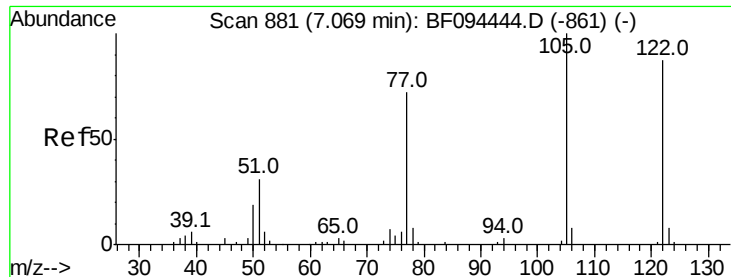
107 0.0 89.2 133.8#

121 0.0 45.2 67.8#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

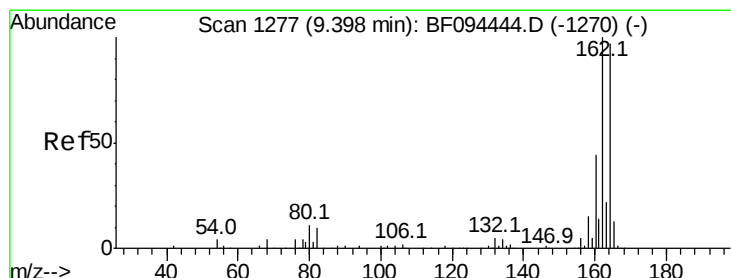
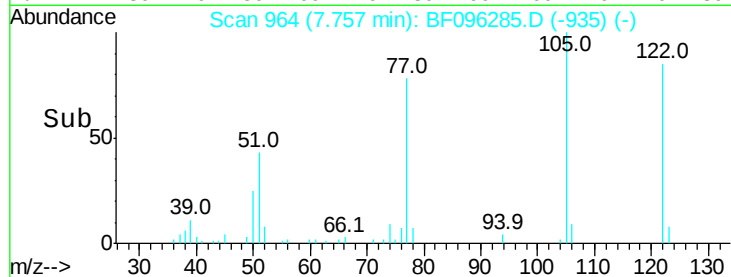
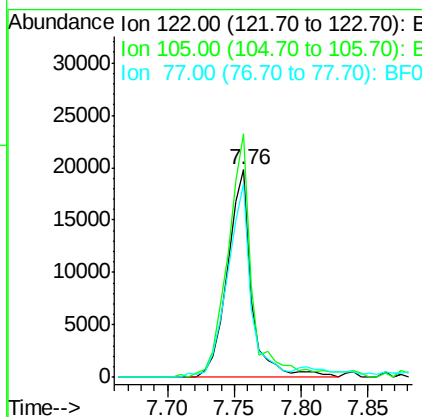
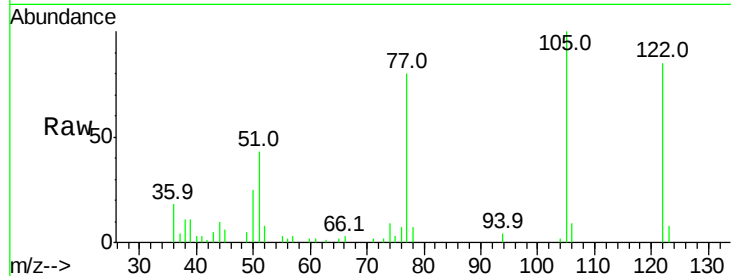




#32
Benzoic acid
Concen: 11.33 ng
RT: 7.76 min Scan# 964
Delta R.T. -0.13 min
Lab File: BF096285.D
Acq: 29 Jun 2017 12:13

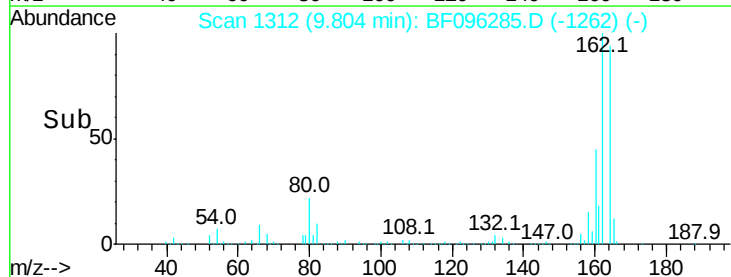
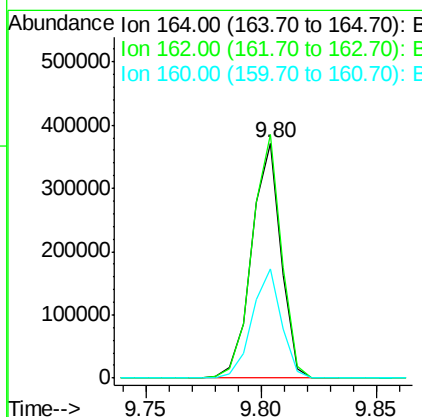
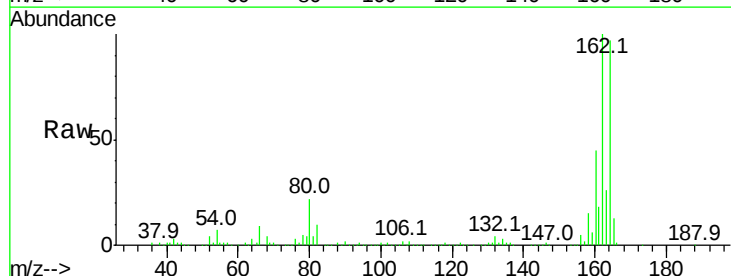
Instrument :
BNA_F
ClientSampleId :

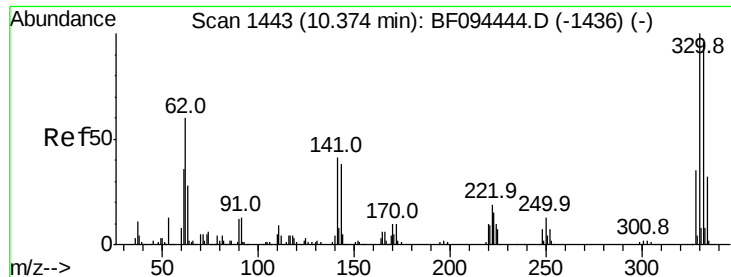
Tot Ion:122 Resp: 25269
Ion Ratio Lower Upper
122 100
105 117.2 103.3 143.3
77 93.3 73.7 113.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF096285.D
Acq: 29 Jun 2017 12:13

Tgt Ion:164 Resp: 330038
Ion Ratio Lower Upper
164 100
162 103.5 82.6 123.8
160 46.2 36.2 54.2

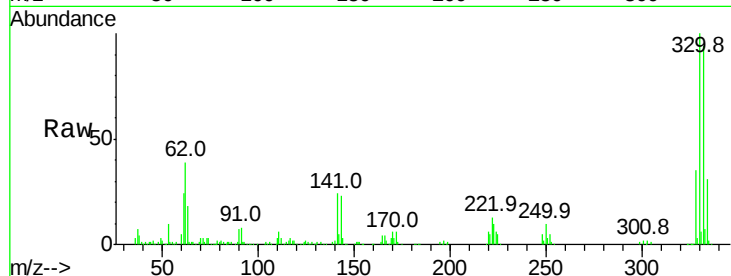




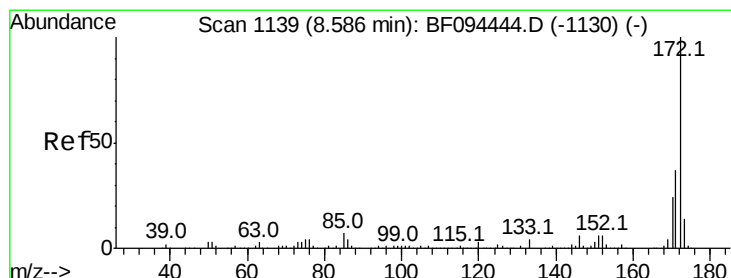
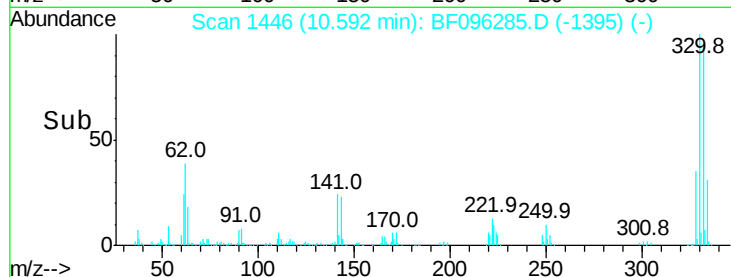
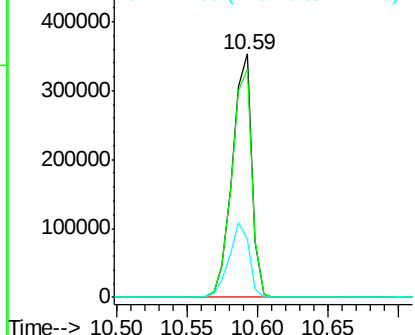
#41
 2,4,6-Tribromophenol
 Concen: 130.66 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096285.D
 Acq: 29 Jun 2017 12:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 339360
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 31.3 31.4 47.2#

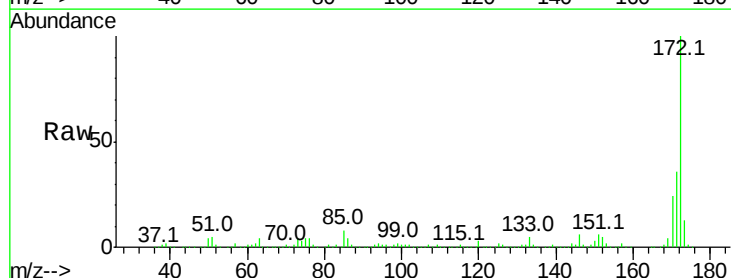


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

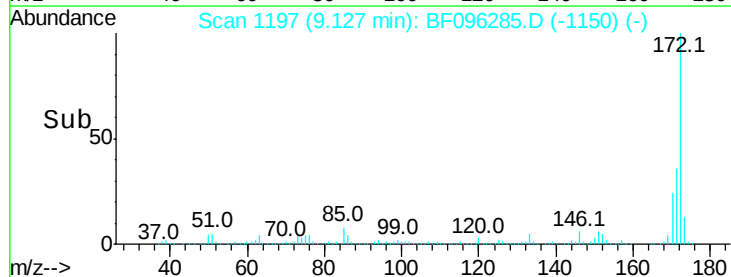
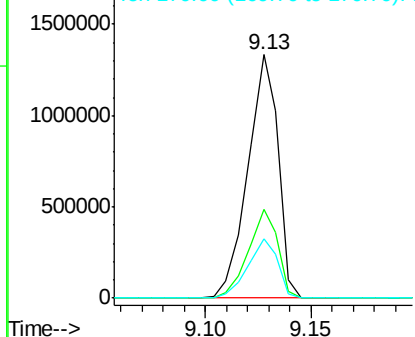


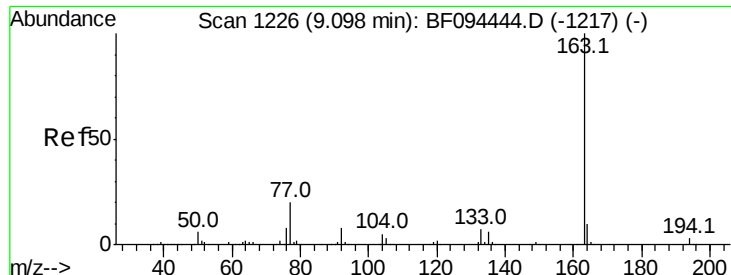
#44
 2-Fluorobiphenyl
 Concen: 73.65 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096285.D
 Acq: 29 Jun 2017 12:13

Tgt Ion:172 Resp: 1327225
 Ion Ratio Lower Upper
 172 100
 171 36.5 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

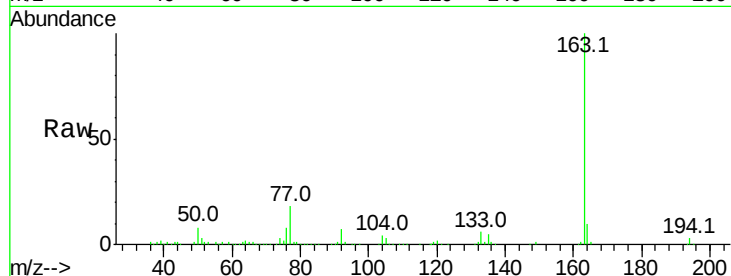




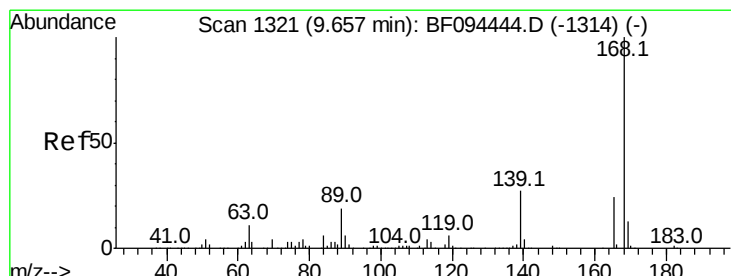
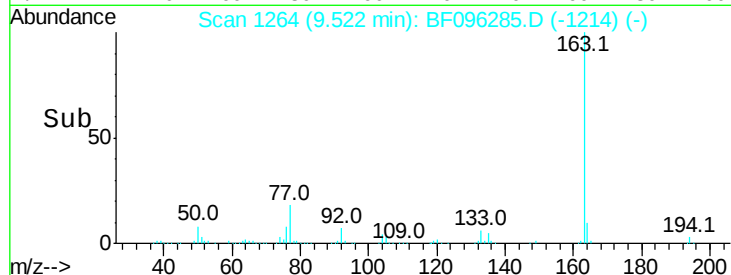
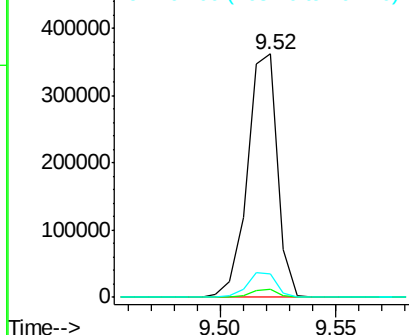
#49
Dimethylphthalate
Concen: 13.88 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096285.D
Acq: 29 Jun 2017 12:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 327867
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.6 8.4 12.6

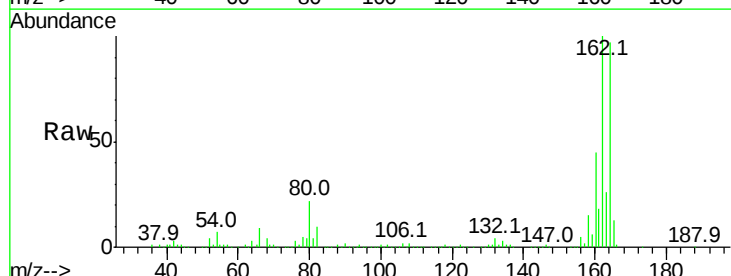


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

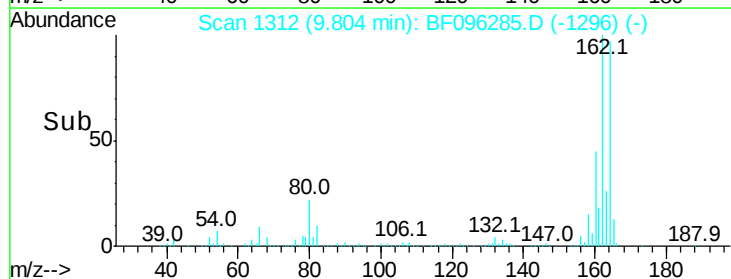
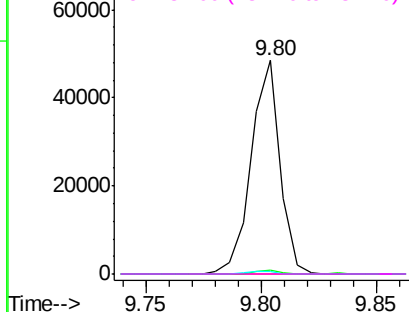


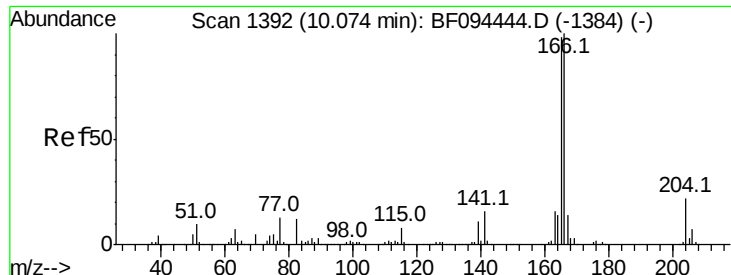
#56
2,4-Dinitrotoluene
Concen: 6.84 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.21 min
Lab File: BF096285.D
Acq: 29 Jun 2017 12:13

Tgt Ion:165 Resp: 42361
Ion Ratio Lower Upper
165 100
63 1.6 25.4 38.0#
89 1.1 46.4 69.6#
182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.35 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

Instrument :

BNA_F

ClientSampleId :

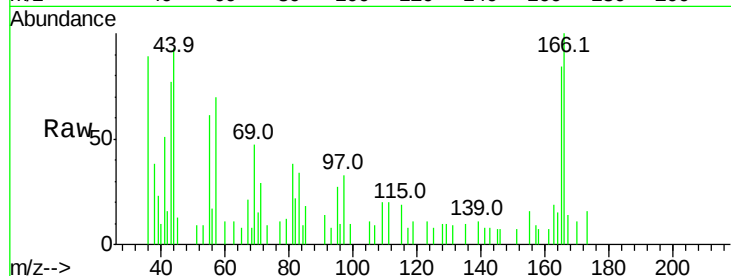
Tot Ion:166 Resp: 3403

Ion Ratio Lower Upper

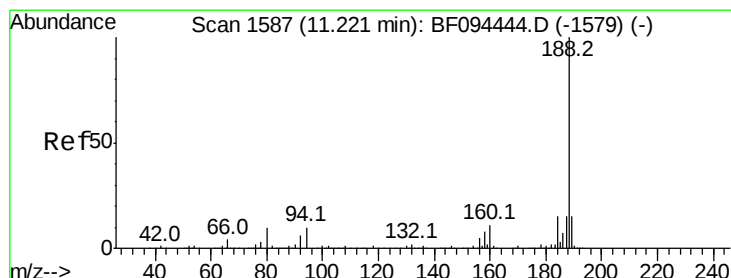
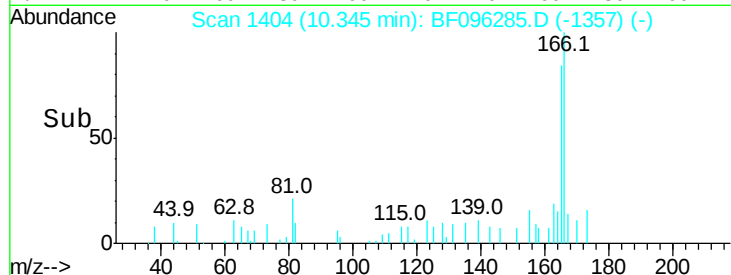
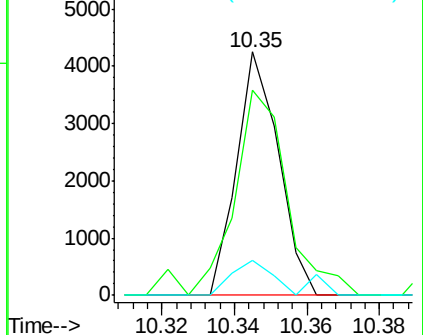
166 100

165 84.2 78.8 118.2

167 14.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

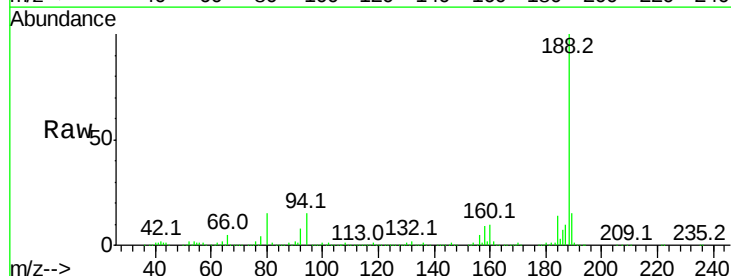
Tgt Ion:188 Resp: 529302

Ion Ratio Lower Upper

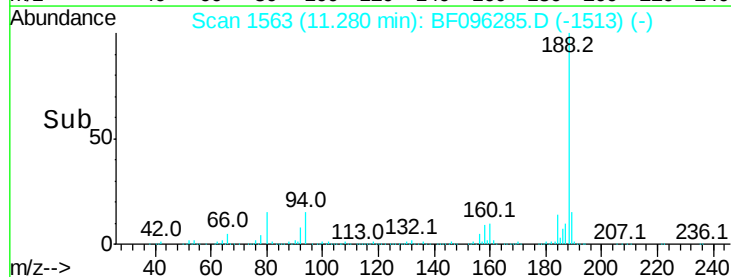
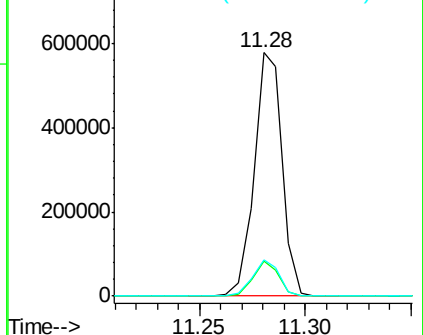
188 100

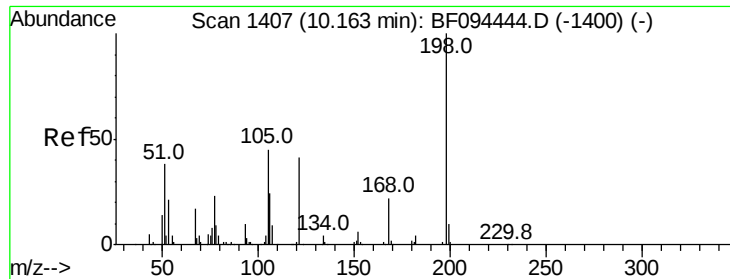
94 14.6 9.4 14.2#

80 15.1 10.2 15.2



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

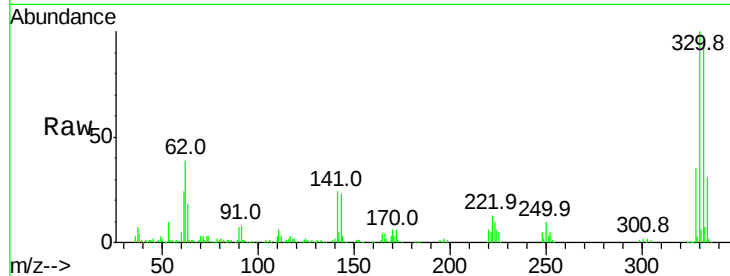




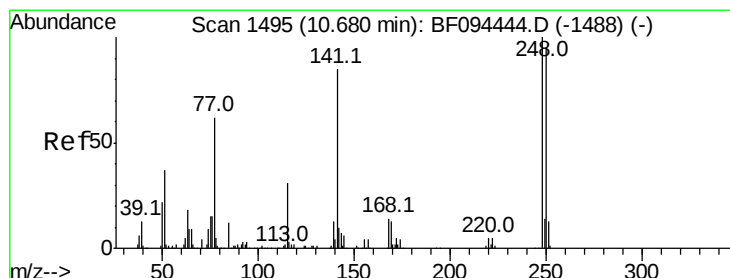
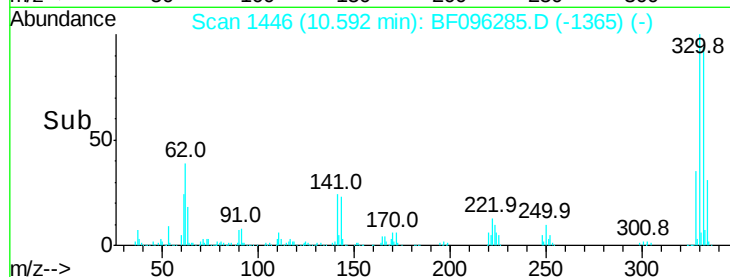
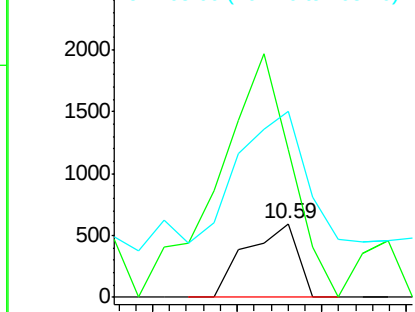
#64
4,6-Dinitro-2-methylphenol
Concen: 8.90 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.18 min
Lab File: BF096285.D
Acq: 29 Jun 2017 12:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 502
Ion Ratio Lower Upper
198 100
51 199.7 53.2 93.2#
105 251.2 45.8 85.8#

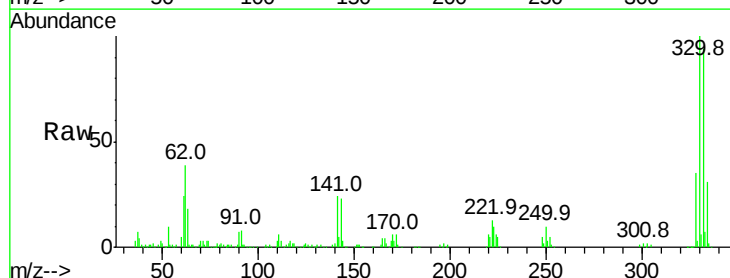


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

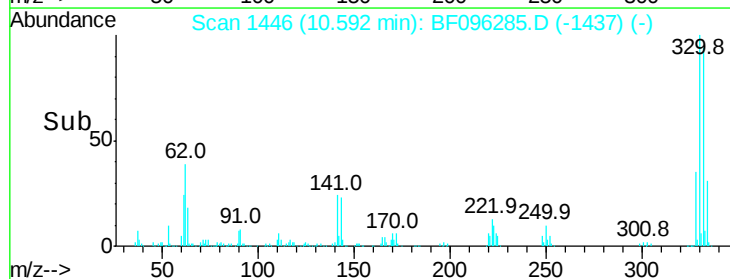
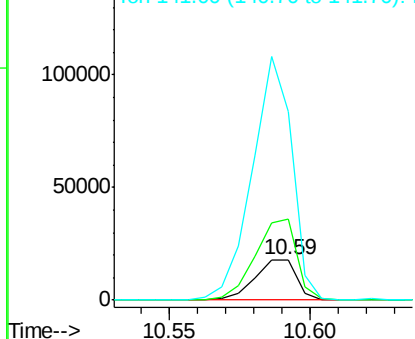


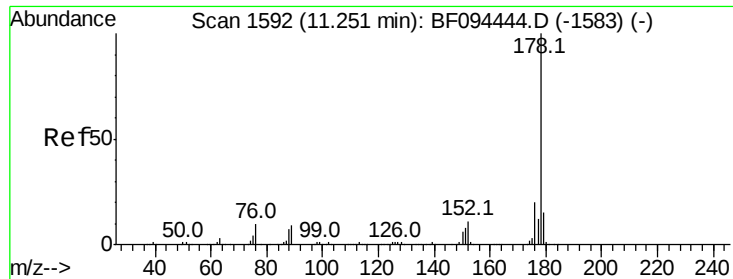
#66
4-Bromophenyl-phenylether
Concen: 3.36 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.25 min
Lab File: BF096285.D
Acq: 29 Jun 2017 12:13

Tgt Ion:248 Resp: 18320
Ion Ratio Lower Upper
248 100
250 200.9 76.8 115.2#
141 466.8 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: 11.30 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

Instrument :

BNA_F

ClientSampleId :

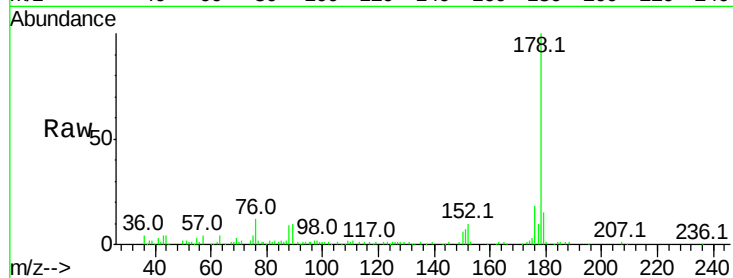
Tot Ion:178 Resp: 68115

Ion Ratio Lower Upper

178 100

176 18.1 16.2 24.4

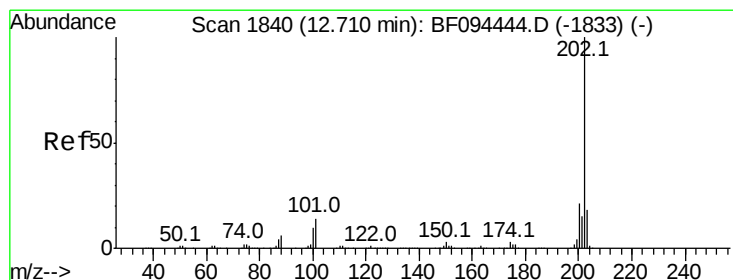
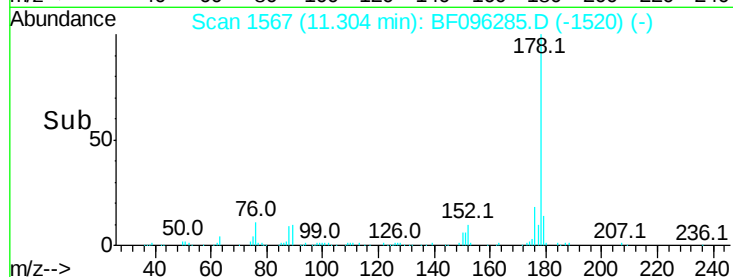
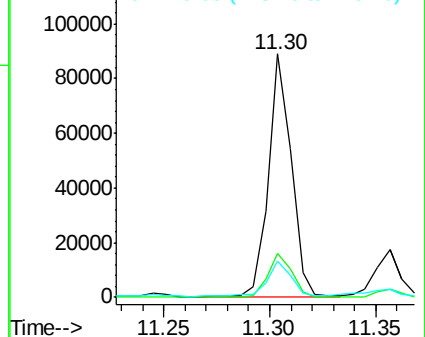
179 14.7 12.6 19.0



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: 2.69 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.00 min

Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

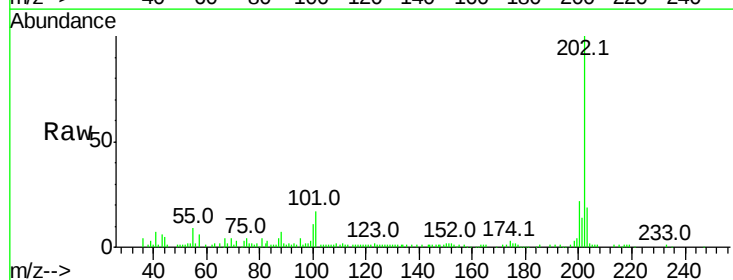
Tgt Ion:202 Resp: 79043

Ion Ratio Lower Upper

202 100

101 17.4 0.0 33.2

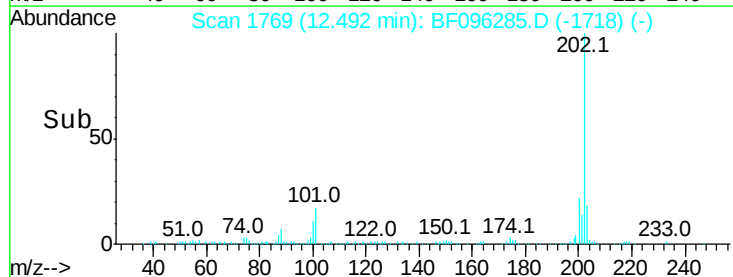
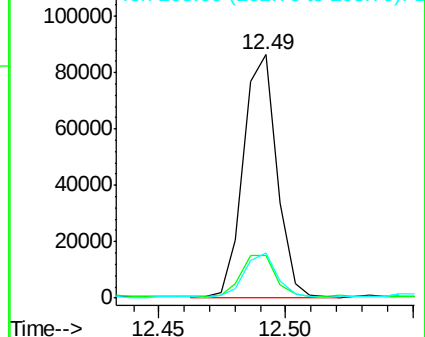
203 18.7 0.0 38.1

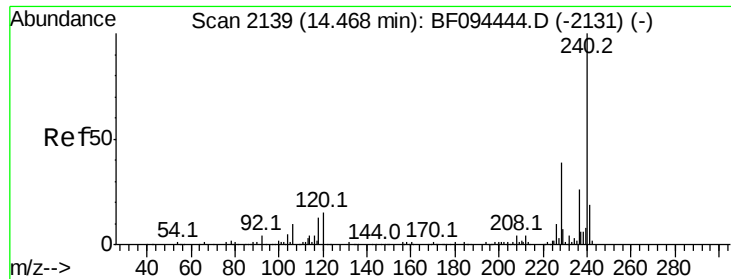


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

Instrument :

BNA_F

ClientSampleId :

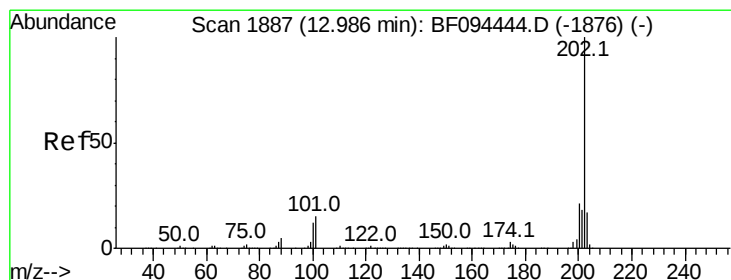
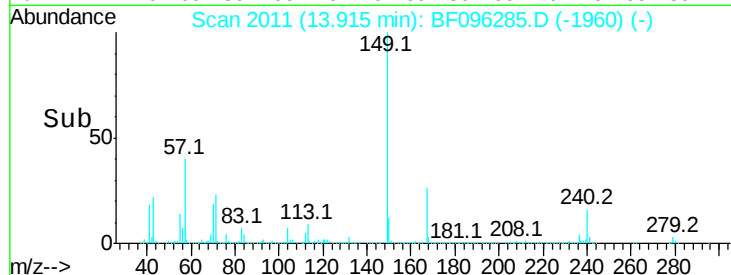
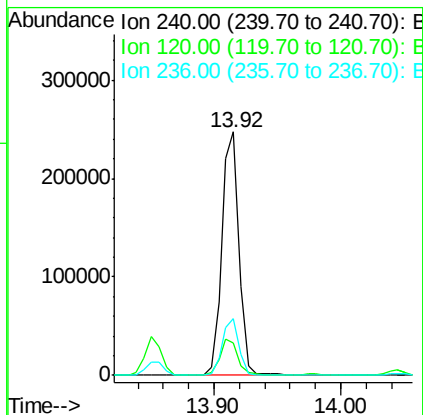
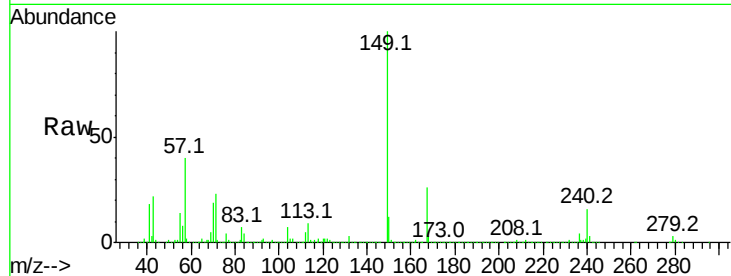
Tot Ion:240 Resp: 232989

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

236 23.5 20.5 30.7



#77

Pyrene

Concen: 3.92 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF096285.D

Acq: 29 Jun 2017 12:13

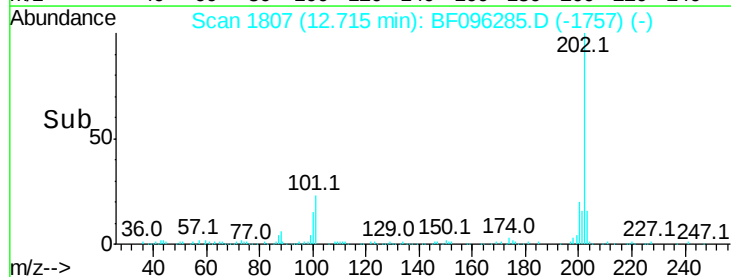
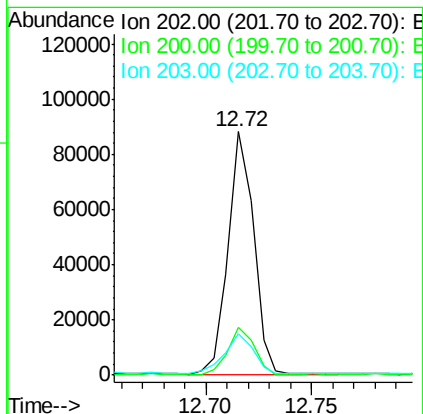
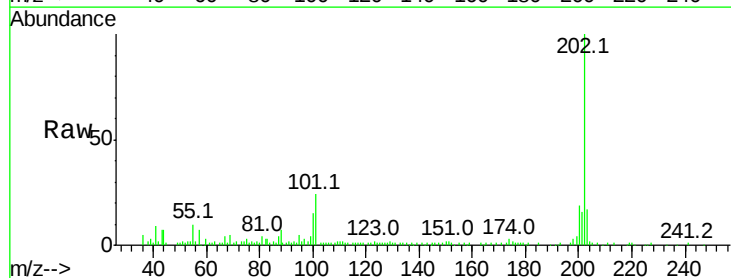
Tgt Ion:202 Resp: 74981

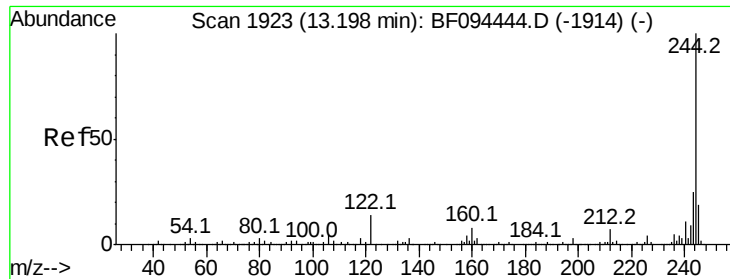
Ion Ratio Lower Upper

202 100

200 19.4 17.6 26.4

203 16.8 14.4 21.6

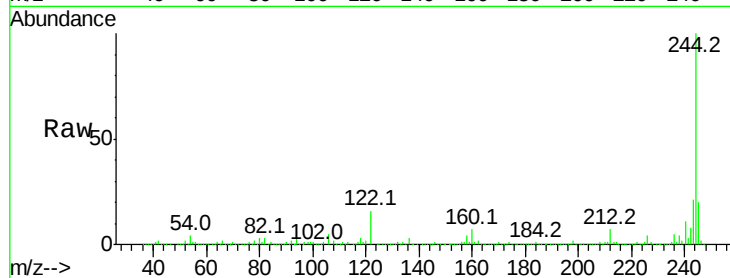




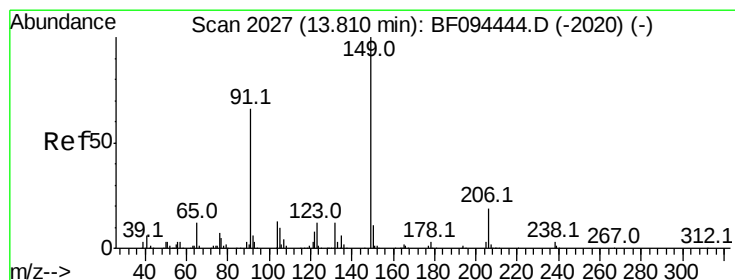
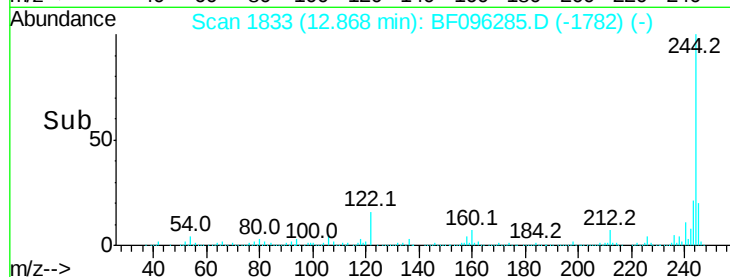
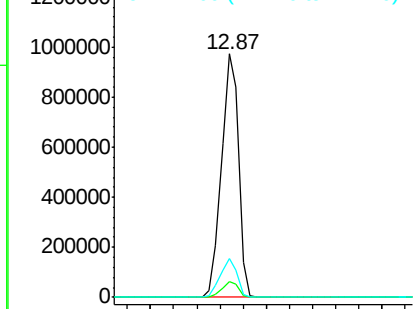
#78
 Terphenyl-d14
 Concen: 106.88 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BF096285.D
 Acq: 29 Jun 2017 12:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 997992
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 16.2 10.3 15.5#

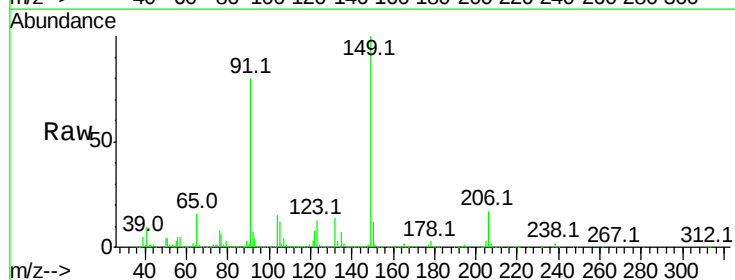


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

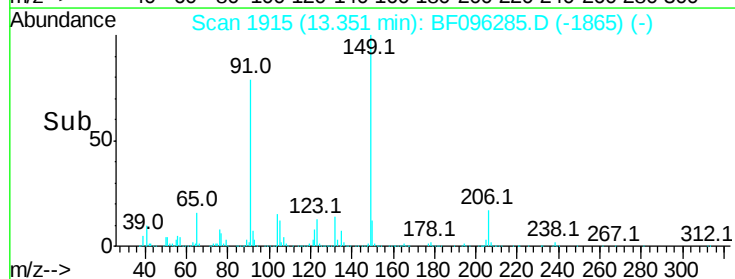
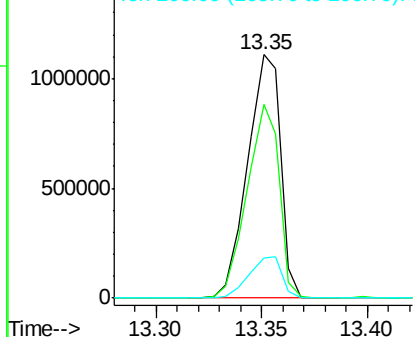


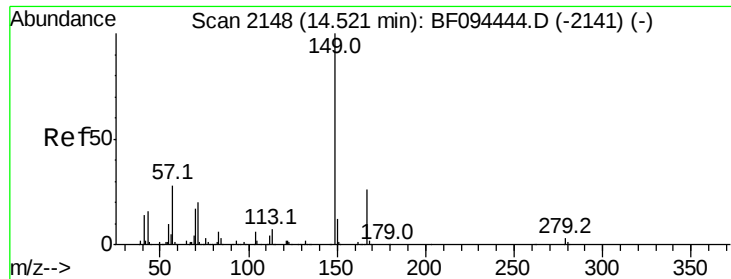
#79
 Butylbenzylphthalate
 Concen: 137.34 ng
 RT: 13.35 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: BF096285.D
 Acq: 29 Jun 2017 12:13

Tgt Ion:149 Resp: 1205033
 Ion Ratio Lower Upper
 149 100
 91 79.6 45.0 67.4#
 206 16.5 17.0 25.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E

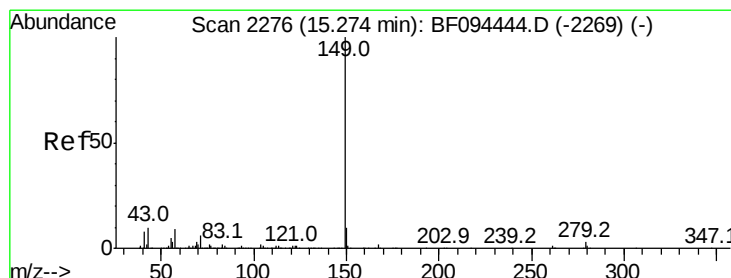
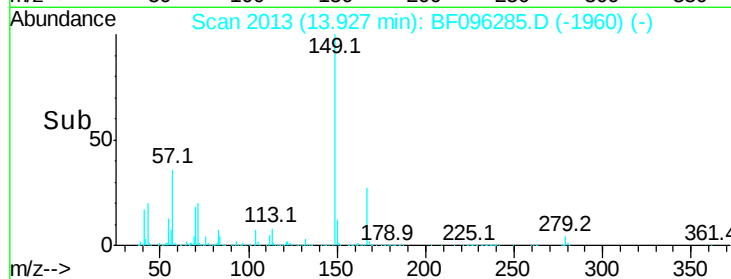
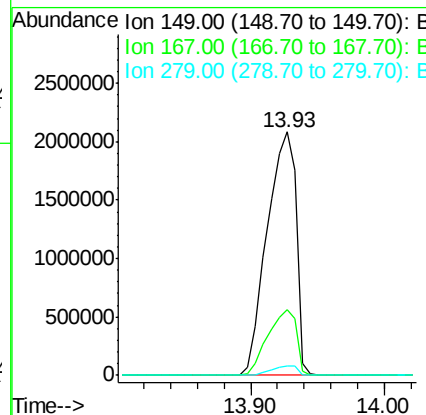
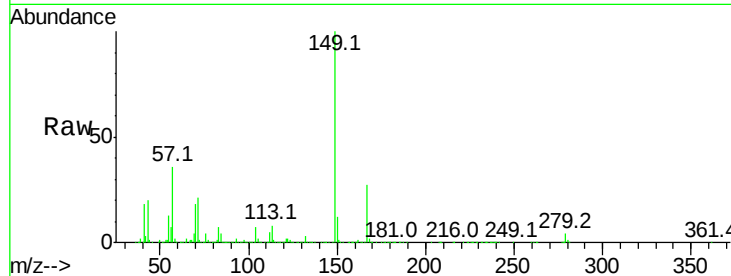




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 329.07 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BF096285.D
 Acq: 29 Jun 2017 12:13

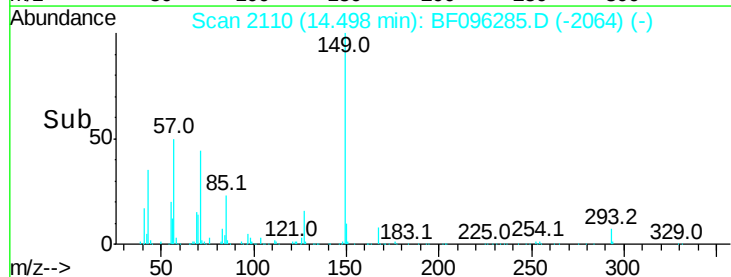
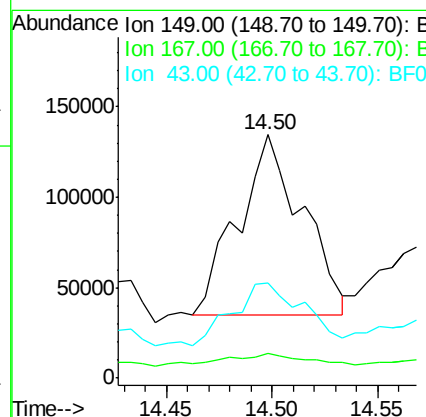
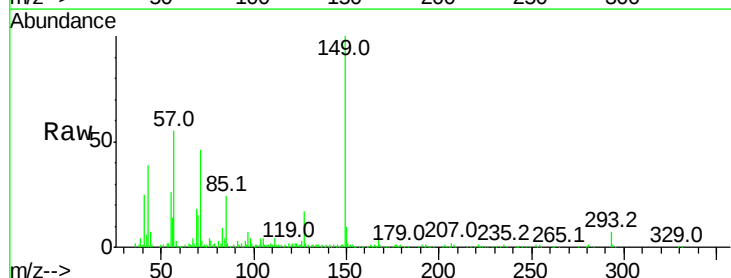
Instrument :
 BNA_F
 ClientSampleId :

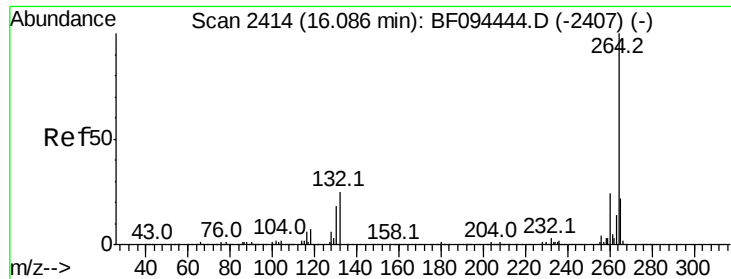
Tot Ion:149 Resp: 3137884
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.0 31.4
 279 3.9 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 10.89 ng
 RT: 14.50 min Scan# 2110
 Delta R.T. -0.03 min
 Lab File: BF096285.D
 Acq: 29 Jun 2017 12:13

Tgt Ion:149 Resp: 213963
 Ion Ratio Lower Upper
 149 100
 167 7.1 1.2 1.8#
 43 38.4 8.5 12.7#

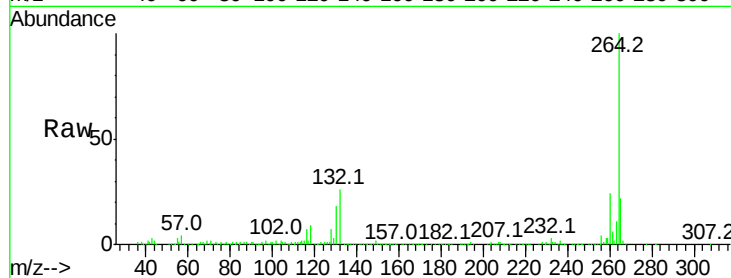




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: BF096285.D
 Acq: 29 Jun 2017 12:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.7	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

