

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096289.D
 Acq On : 29 Jun 2017 14:02
 Operator : SJ/MA
 Sample : I3897-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 17:33:28 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	161416	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	645965	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	240347	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	357399	20.00	ng	0.00
75) Chrysene-d12	13.92	240	322675	20.00	ng	0.00
86) Perylene-d12	15.34	264	241178	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	1157811	103.34	ng	0.01
7) Phenol-d6	6.40	99	1388359	102.33	ng	0.01
23) Nitrobenzene-d5	7.33	82	752523	80.64	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	211268	111.69	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	827830	63.08	ng	-0.02
78) Terphenyl-d14	12.87	244	592075	45.79	ng	0.00

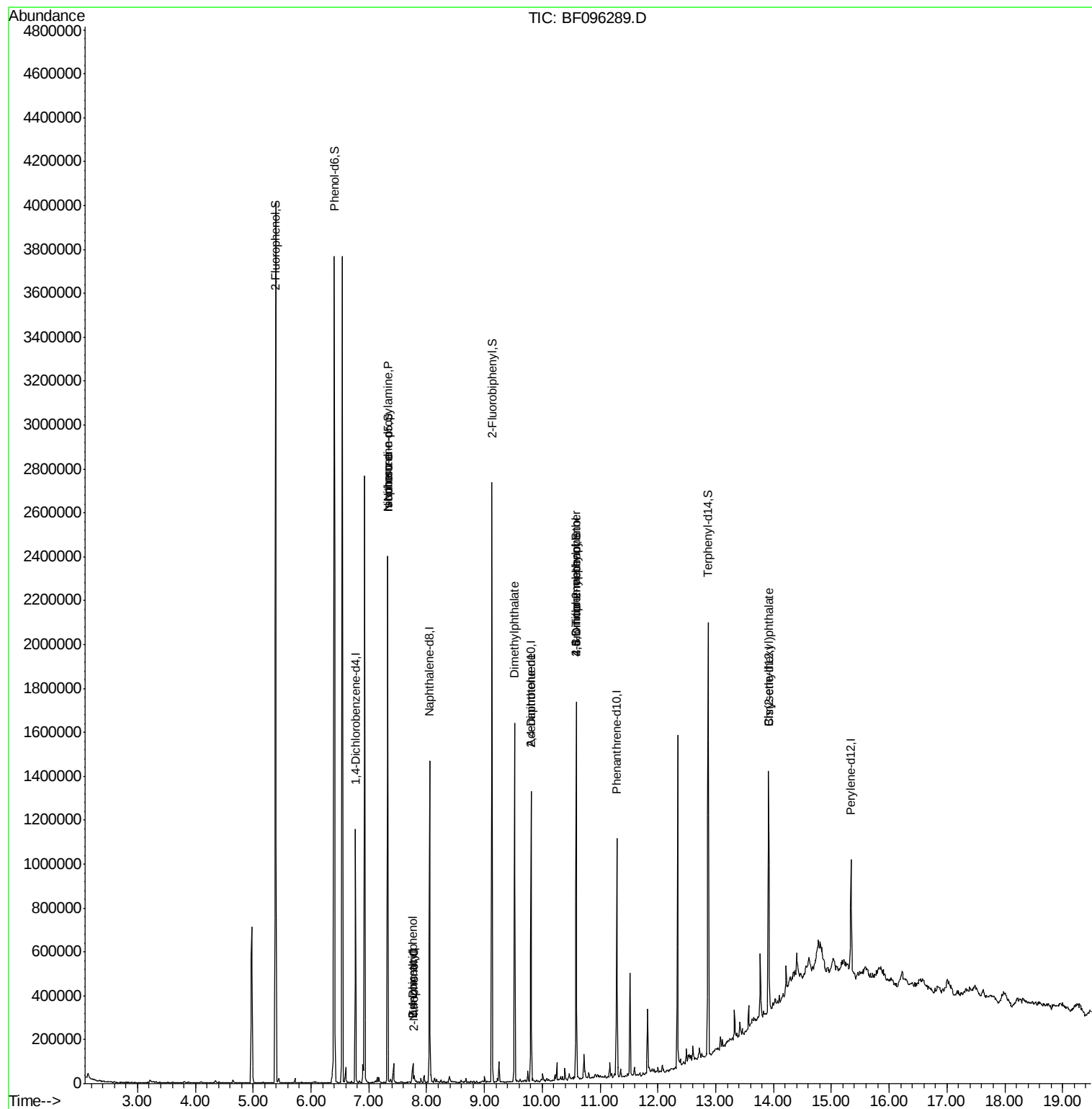
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	1979	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.33	70	99471	12.24	ng	88
25) Isophorone	7.33	82	752503	35.51	ng	67
26) 2-Nitrophenol	7.79	139	173	6.08	ng	40
27) 2,4-Dimethylphenol	7.76	122	22116	2.31	ng	5
32) Benzoic acid	7.76	122	22116	11.45	ng	95
49) Dimethylphthalate	9.52	163	618221	35.94	ng	98
56) 2,4-Dinitrotoluene	9.80	165	30933	6.86	ng	33
57) Fluorene	10.35	166	3929	Below Cal	#	82
64) 4,6-Dinitro-2-methylphenol	10.59	198	393	8.92	ng	1
66) 4-Bromophenyl-phenylether	10.59	248	11709	3.18	ng	1
70) Phenanthrene	11.31	178	16518	Below Cal	#	96
83) Bis(2-ethylhexyl)phthalate	13.91	149	43442	3.29	ng	95

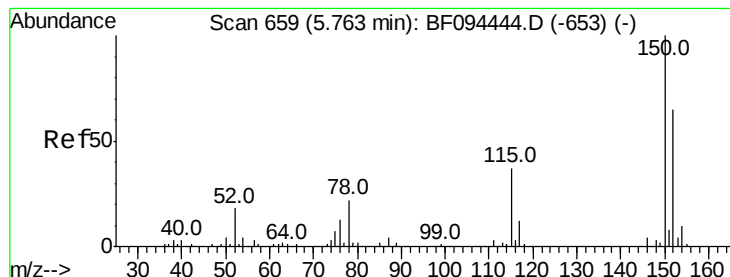
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

Instrument :

BNA_F

ClientSampleId :

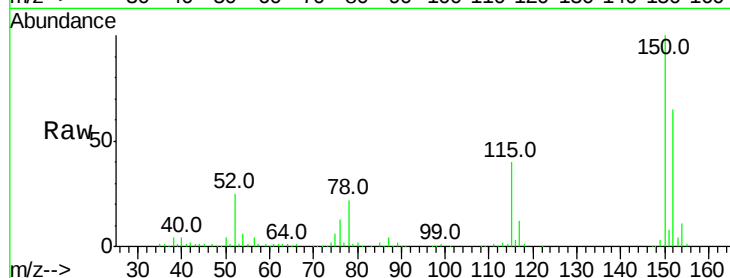
Tot Ion:152 Resp: 161416

Ion Ratio Lower Upper

152 100

150 153.3 126.2 189.2

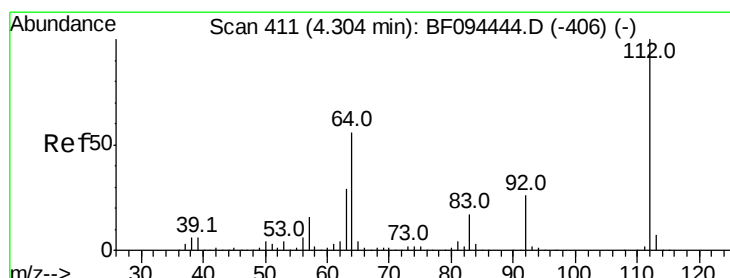
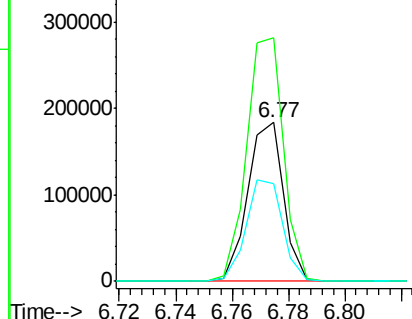
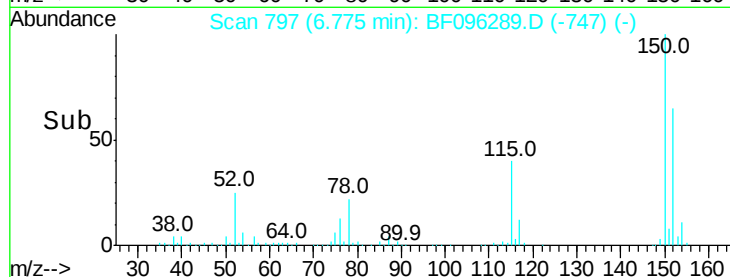
115 61.8 52.2 78.2



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: 103.34 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

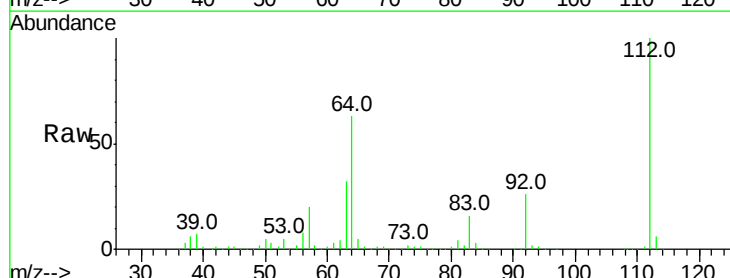
Tgt Ion:112 Resp: 1157811

Ion Ratio Lower Upper

112 100

64 63.1 46.0 69.0

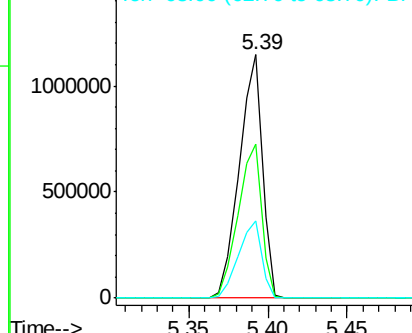
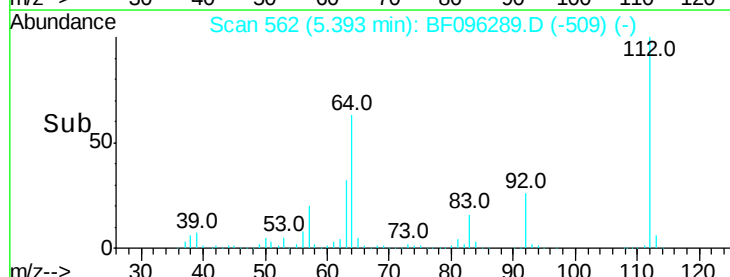
63 31.7 23.4 35.0

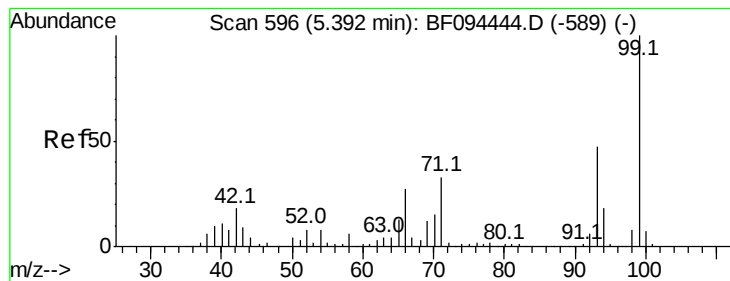


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.33 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

Instrument :

BNA_F

ClientSampleId :

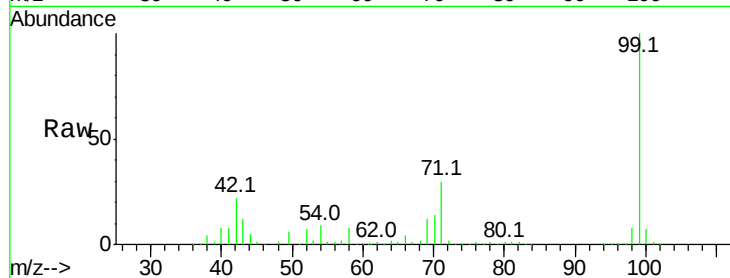
Tot Ion: 99 Resp: 1388359

Ion Ratio Lower Upper

99 100

42 21.9 13.5 20.3#

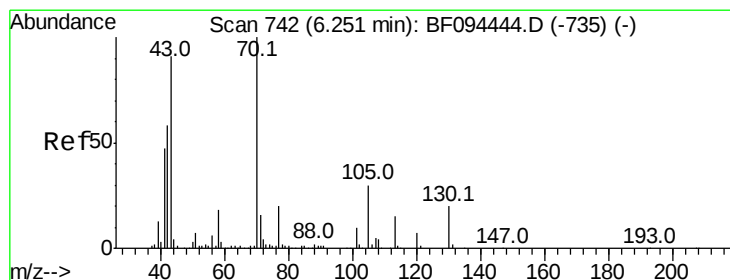
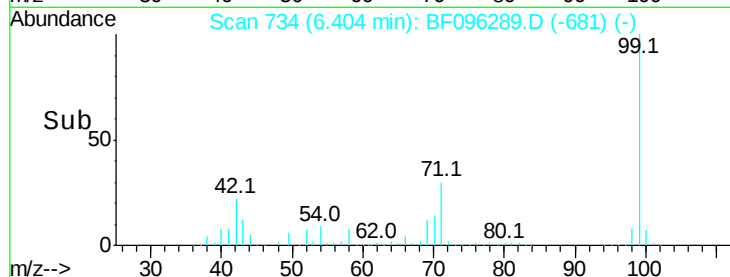
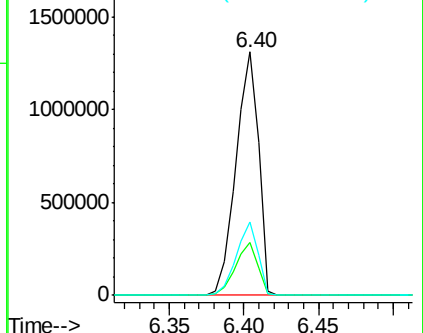
71 30.0 24.5 36.7



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: 12.24 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

Tgt Ion: 70 Resp: 99471

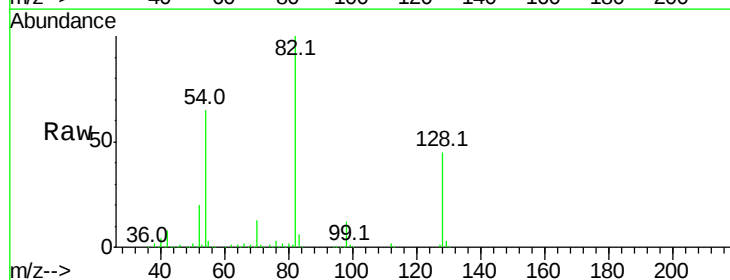
Ion Ratio Lower Upper

70 100

42 58.6 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

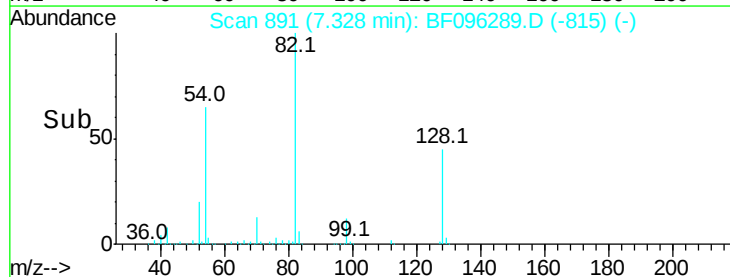
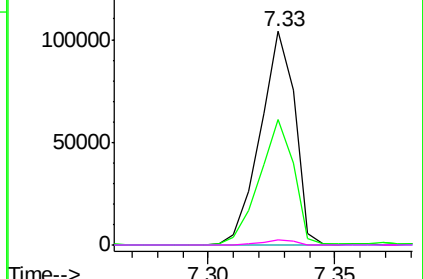


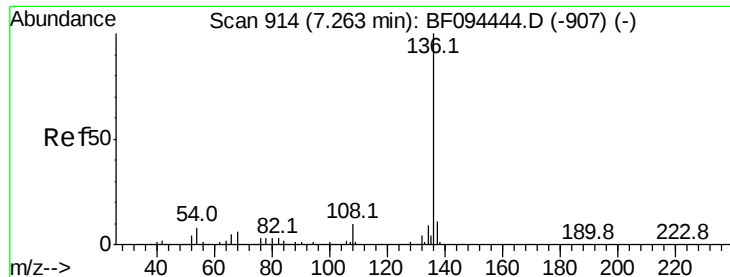
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 645965

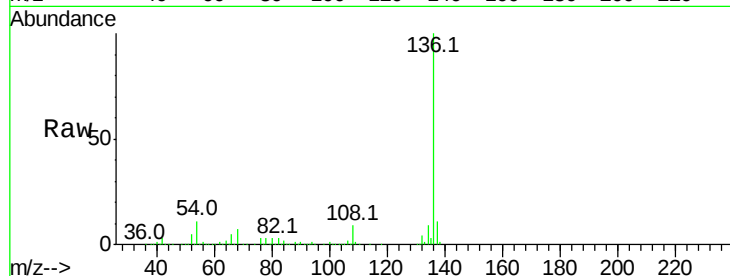
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.9 4.9 7.3#

68 6.7 4.1 6.1#

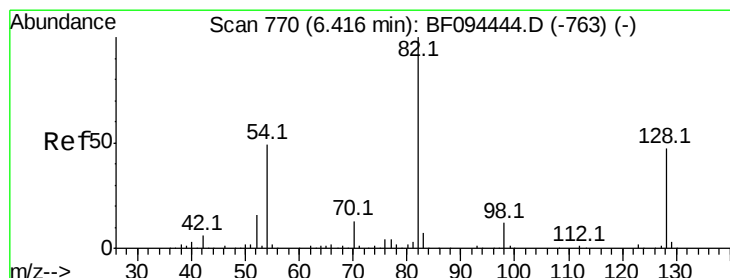
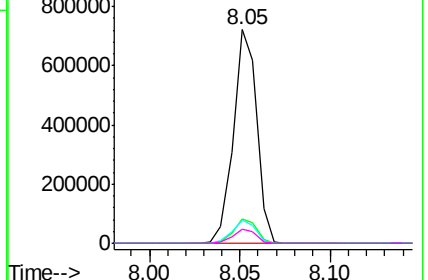
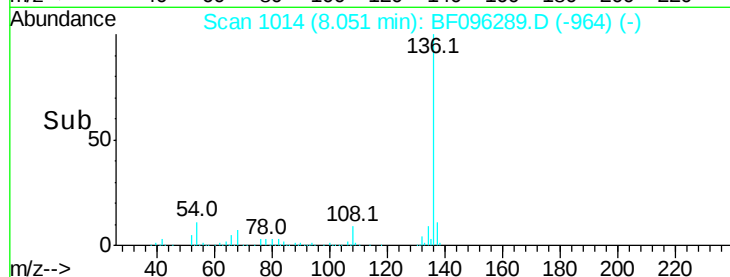


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 80.64 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.03 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

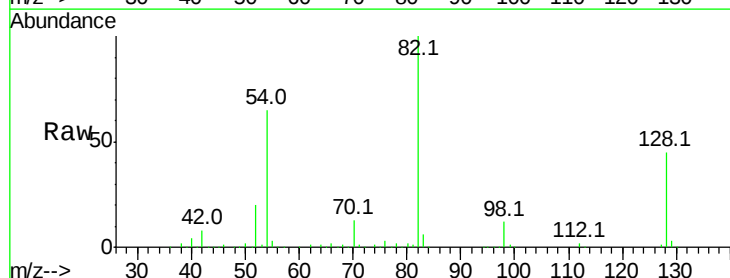
Tgt Ion: 82 Resp: 752523

Ion Ratio Lower Upper

82 100

128 45.2 34.0 51.0

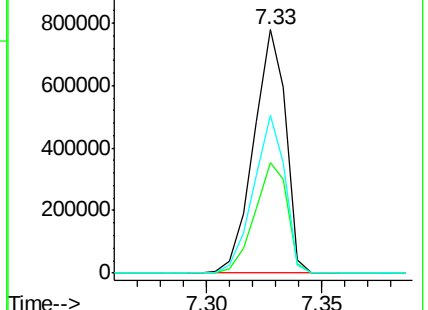
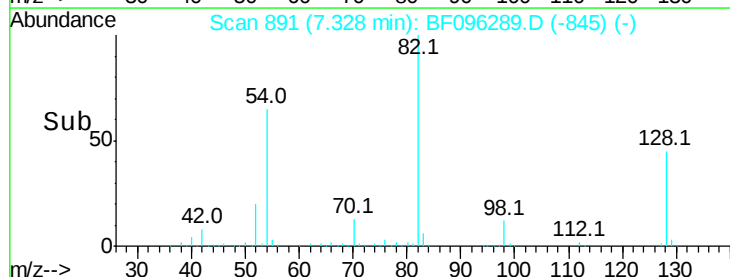
54 65.0 42.2 63.2#

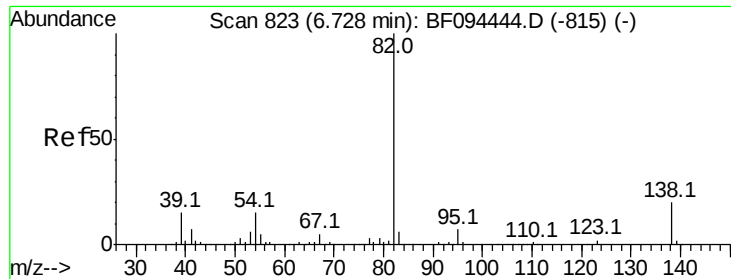


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.51 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

Instrument :

BNA_F

ClientSampleId :

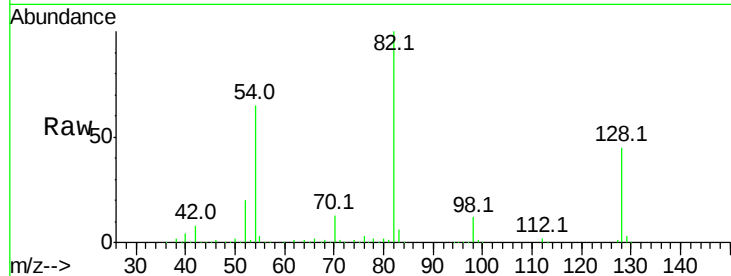
Tot Ion: 82 Resp: 752503

Ion Ratio Lower Upper

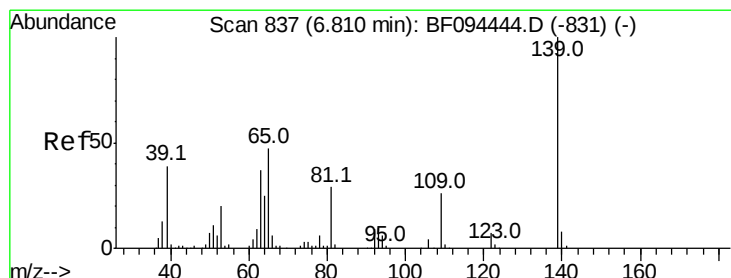
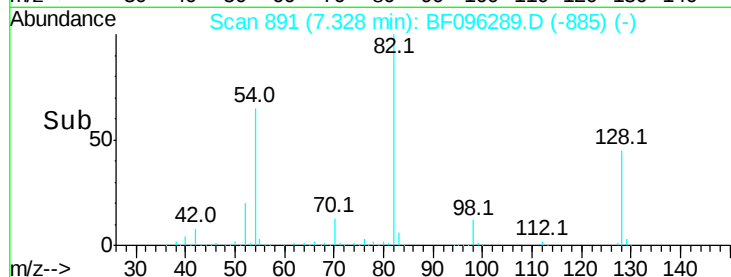
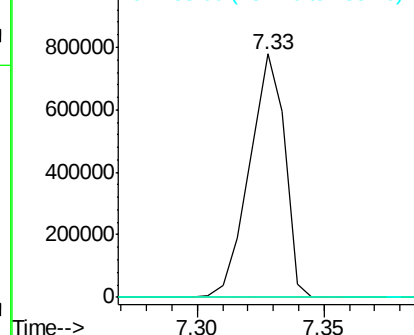
82 100

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



#26

2-Nitrophenol

Concen: 6.08 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.10 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

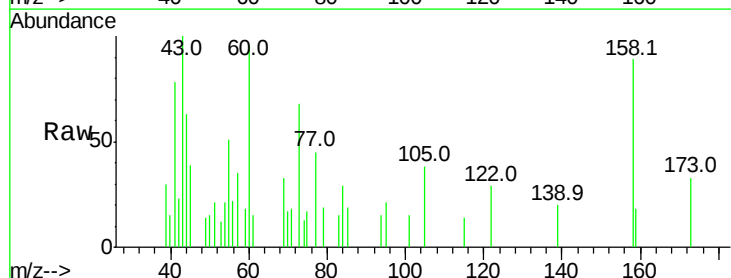
Tgt Ion: 139 Resp: 173

Ion Ratio Lower Upper

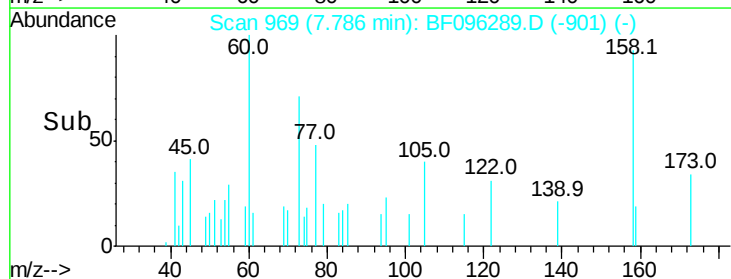
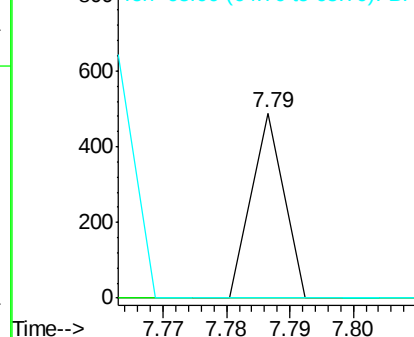
139 100

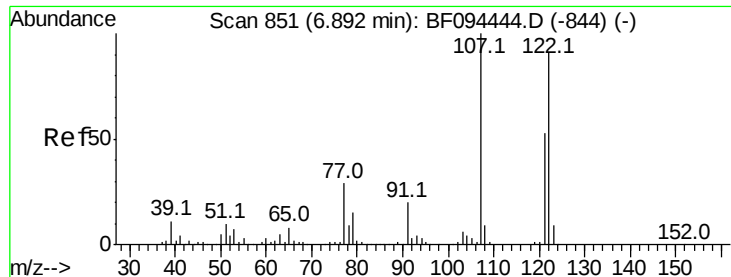
109 0.0 21.0 31.6#

65 0.0 33.0 49.6#



Abundance Ion 139.00 (138.70 to 139.70): BF0
Ion 109.00 (108.70 to 109.70): BF0
Ion 65.00 (64.70 to 65.70): BF0

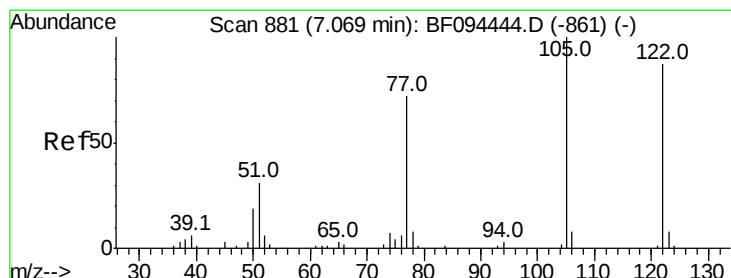
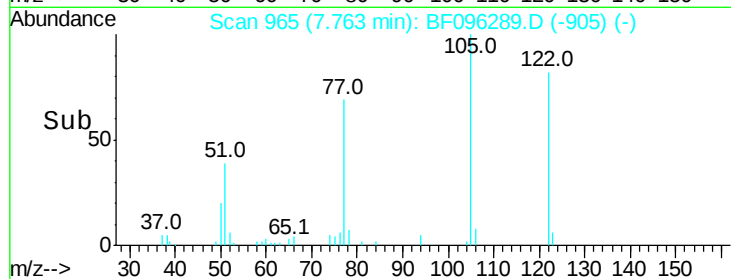
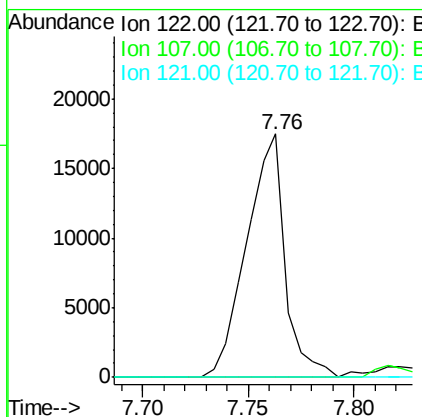
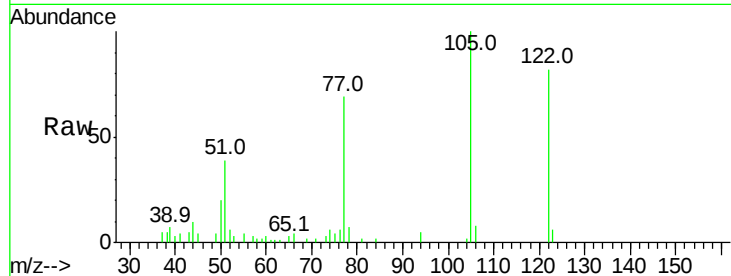




#27
 2,4-Dimethylphenol
 Concen: 2.31 ng
 RT: 7.76 min Scan# 965
 Delta R.T. 0.05 min
 Lab File: BF096289.D
 Acq: 29 Jun 2017 14:02

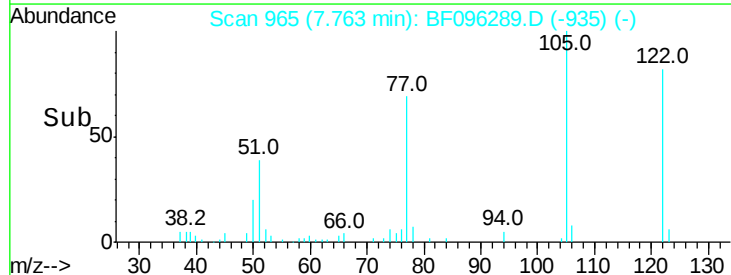
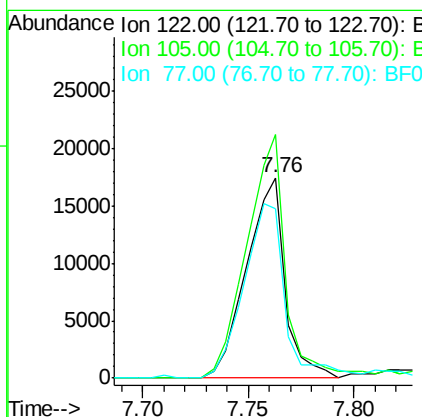
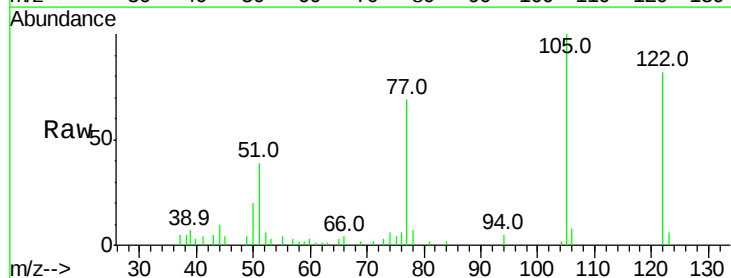
Instrument :
 BNA_F
 ClientSampleId :

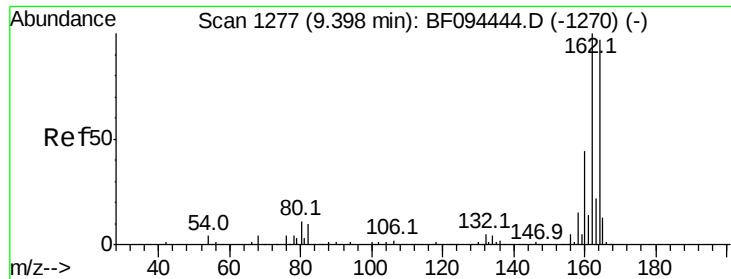
Tot Ion:122 Resp: 22116
 Ion Ratio Lower Upper
 122 100
 107 0.0 89.2 133.8#
 121 0.0 45.2 67.8#



#32
 Benzoic acid
 Concen: 11.45 ng
 RT: 7.76 min Scan# 965
 Delta R.T. -0.12 min
 Lab File: BF096289.D
 Acq: 29 Jun 2017 14:02

Tgt Ion:122 Resp: 22116
 Ion Ratio Lower Upper
 122 100
 105 121.3 103.3 143.3
 77 84.1 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: BF096289.D

Acq: 29 Jun 2017 14:02

Instrument :

BNA_F

ClientSampleId :

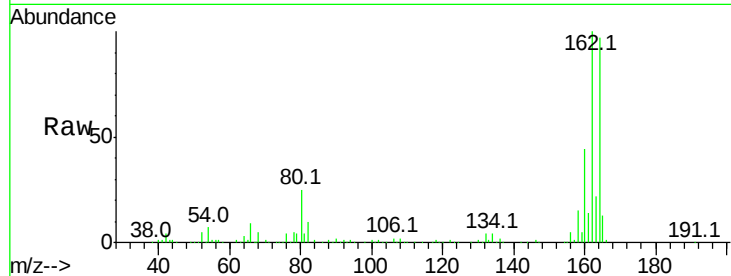
Tot Ion:164 Resp: 240347

Ion Ratio Lower Upper

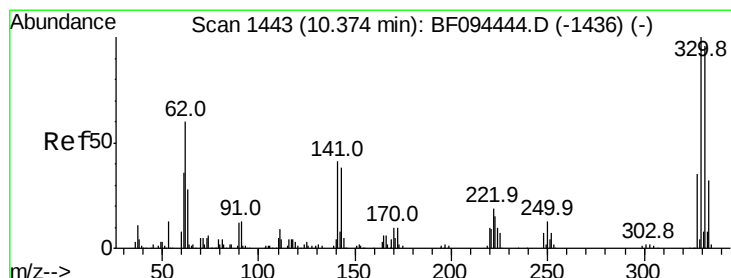
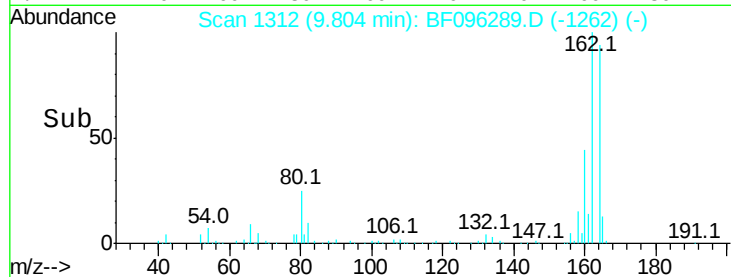
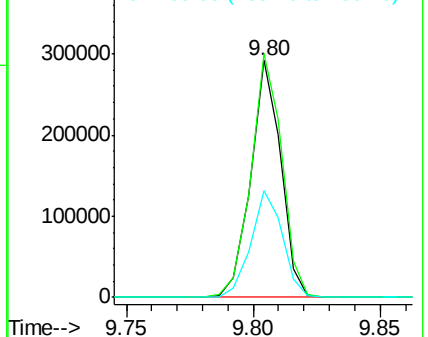
164 100

162 102.9 82.6 123.8

160 45.1 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 111.69 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

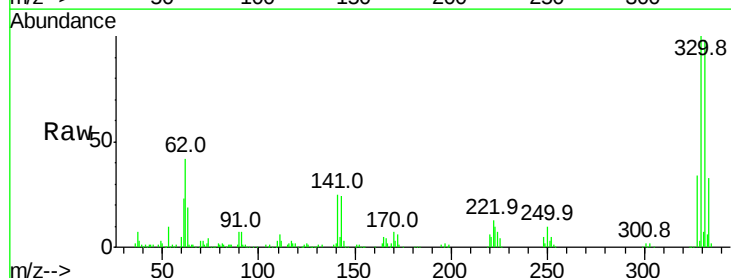
Tgt Ion:330 Resp: 211268

Ion Ratio Lower Upper

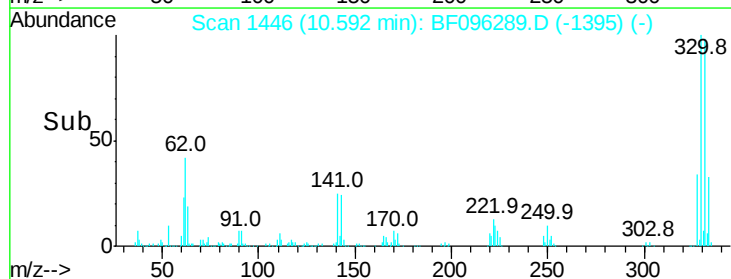
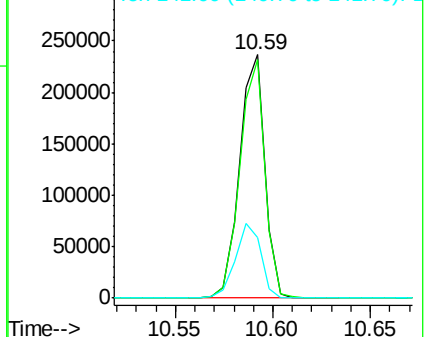
330 100

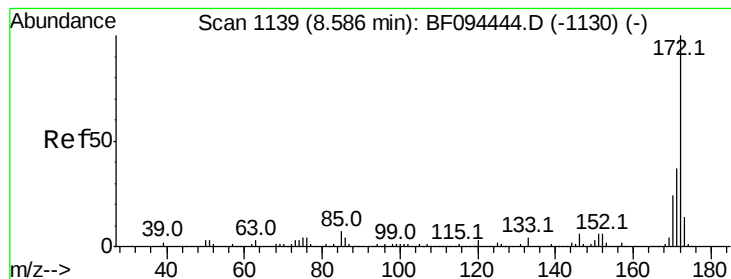
332 96.9 76.6 115.0

141 30.9 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: 63.08 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.02 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

Instrument :

BNA_F

ClientSampleId :

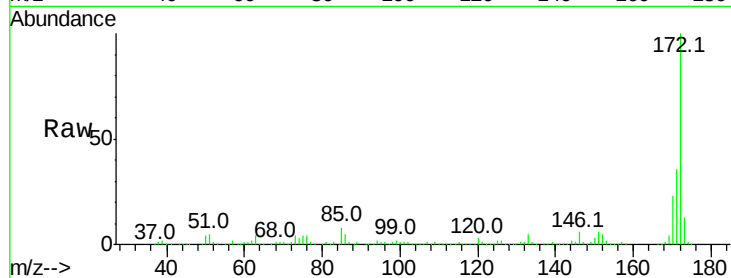
Tot Ion:172 Resp: 827830

Ion Ratio Lower Upper

172 100

171 35.7 29.6 44.4

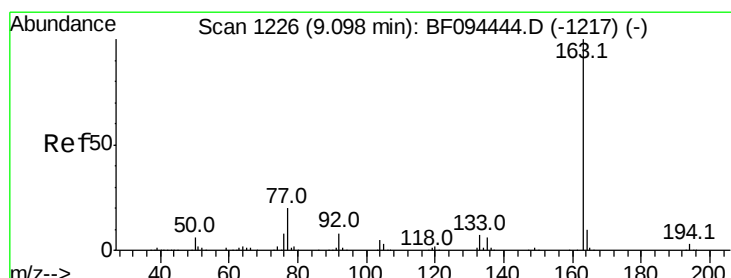
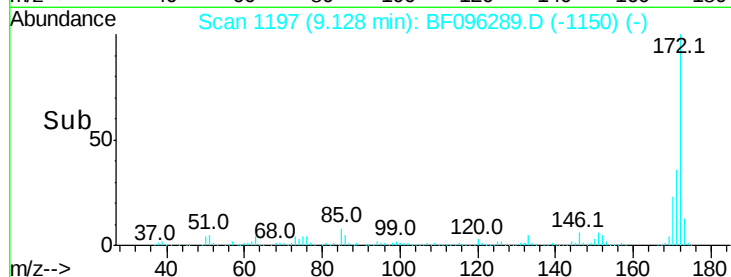
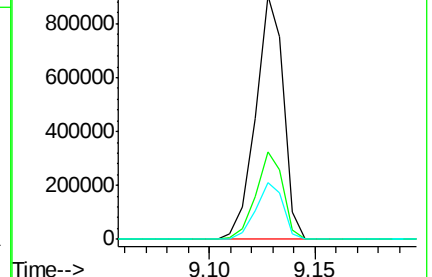
170 23.4 19.8 29.8



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: 35.94 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

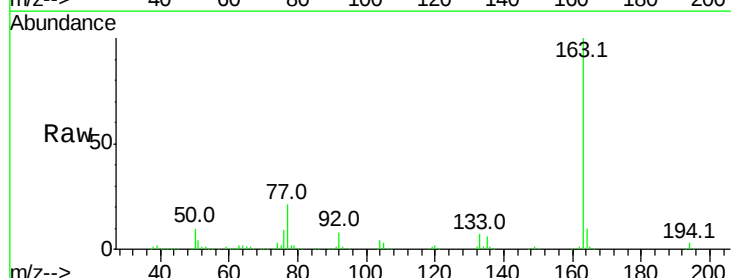
Tgt Ion:163 Resp: 618221

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

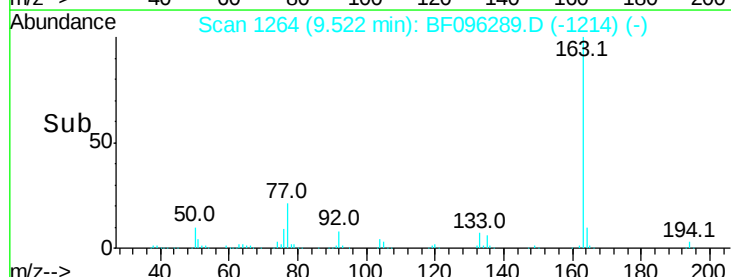
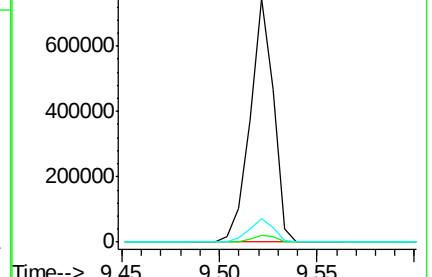
164 9.9 8.4 12.6

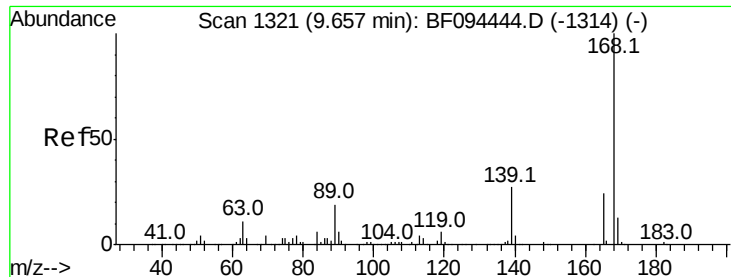


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

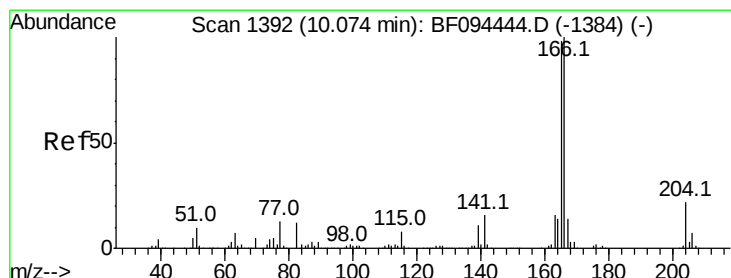
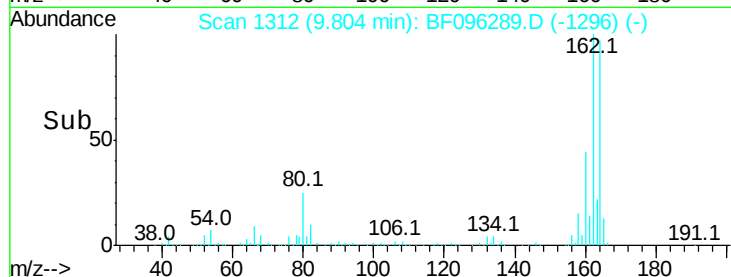
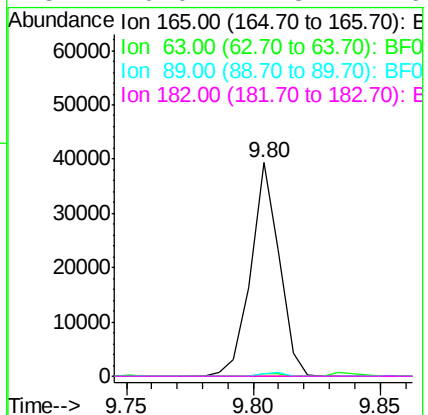
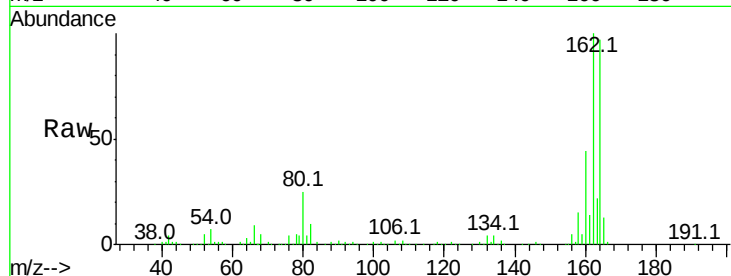




#56
2,4-Dinitrotoluene
Concen: 6.86 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.21 min
Lab File: BF096289.D
Acq: 29 Jun 2017 14:02

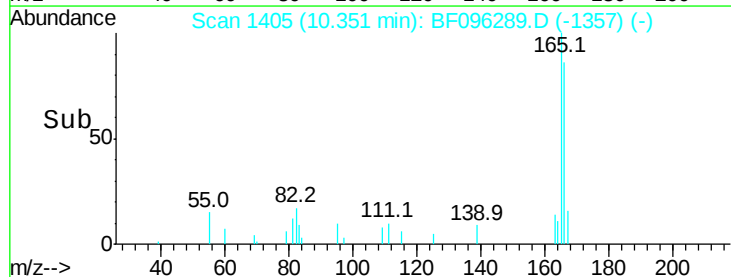
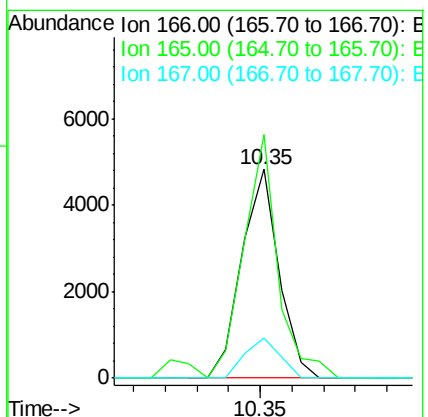
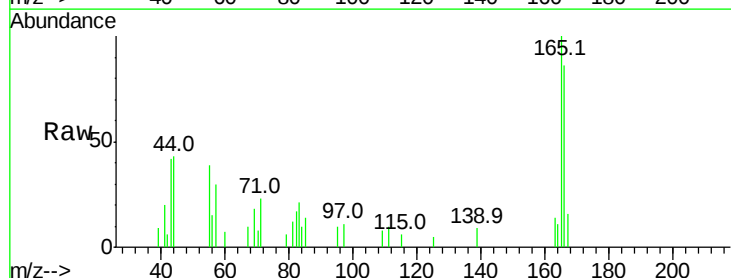
Instrument :
BNA_F
ClientSampleId :

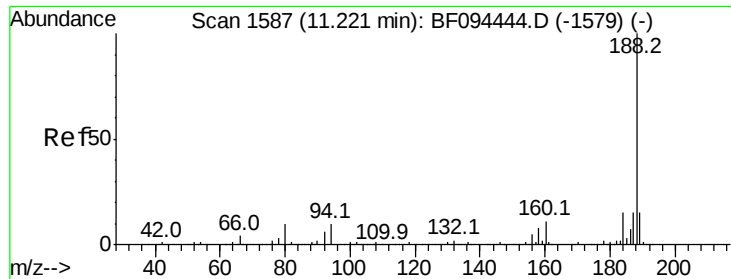
Tot Ion:165 Resp: 30933
Ion Ratio Lower Upper
165 100
63 1.4 25.4 38.0#
89 1.1 46.4 69.6#
182 0.0 1.8 2.6#



#57
Fluorene
Concen: Below Cal
RT: 10.35 min Scan# 1405
Delta R.T. -0.02 min
Lab File: BF096289.D
Acq: 29 Jun 2017 14:02

Tgt Ion:166 Resp: 3929
Ion Ratio Lower Upper
166 100
165 116.7 78.8 118.2
167 19.1 10.6 16.0#

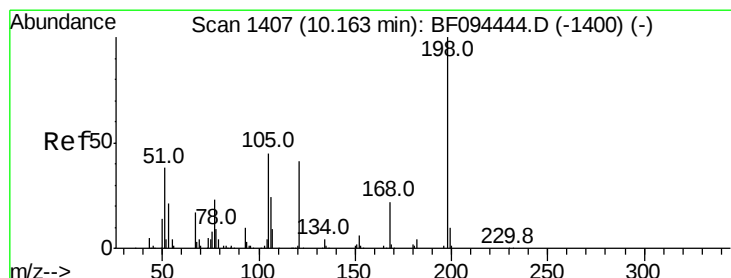
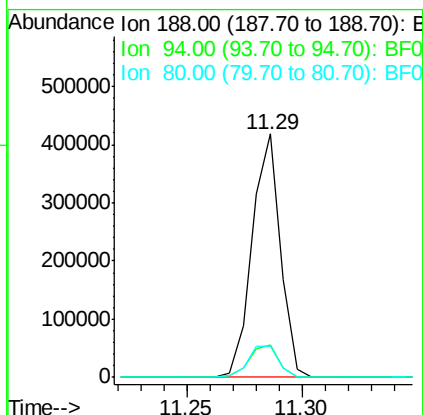
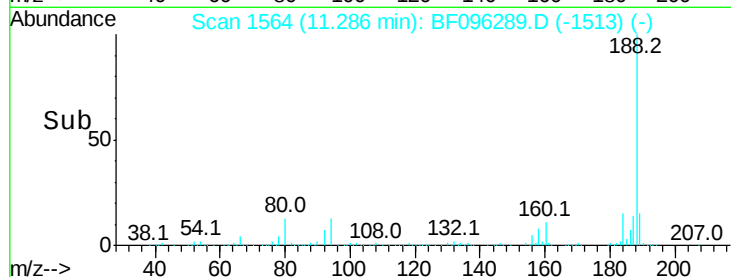
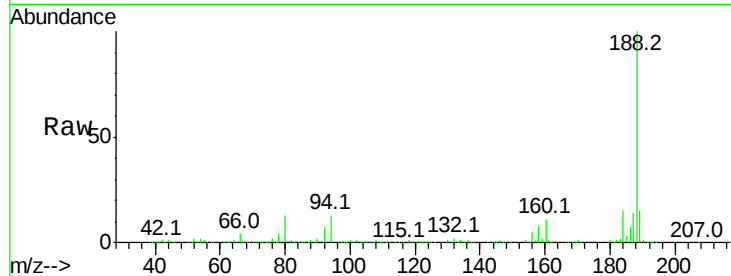




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BF096289.D
 Acq: 29 Jun 2017 14:02

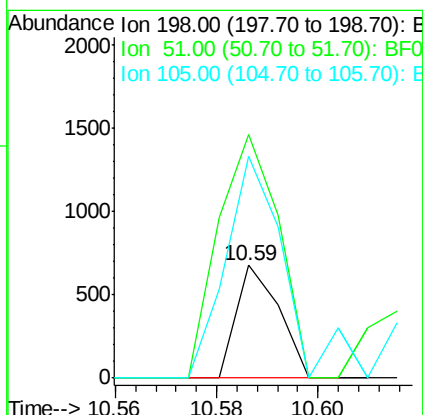
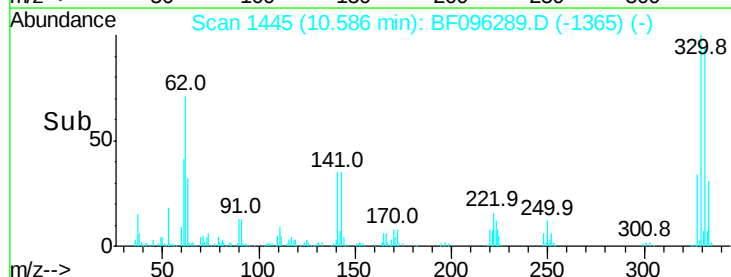
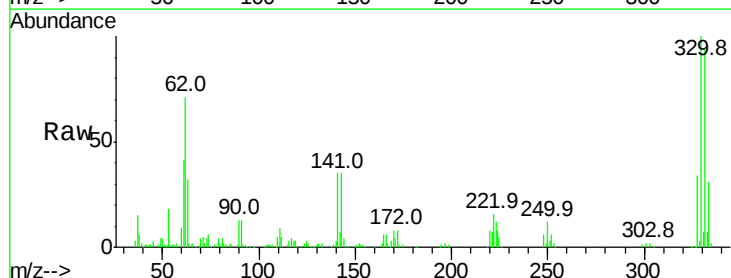
Instrument :
 BNA_F
 ClientSampleId :

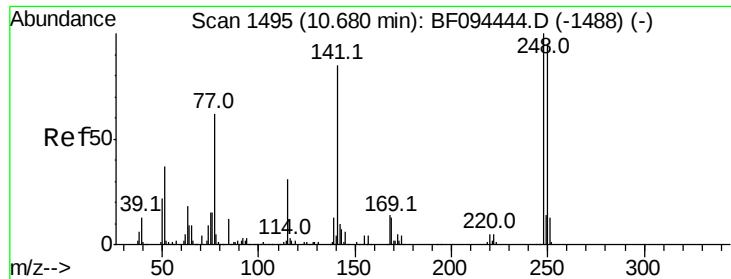
Tot Ion:188 Resp: 357399
 Ion Ratio Lower Upper
 188 100
 94 13.4 9.4 14.2
 80 13.0 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.92 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. 0.17 min
 Lab File: BF096289.D
 Acq: 29 Jun 2017 14:02

Tgt Ion:198 Resp: 393
 Ion Ratio Lower Upper
 198 100
 51 216.5 53.2 93.2#
 105 197.6 45.8 85.8#

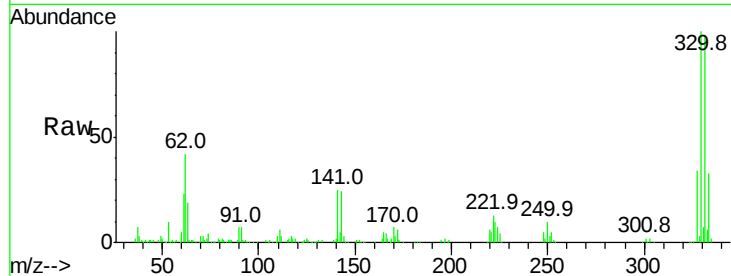




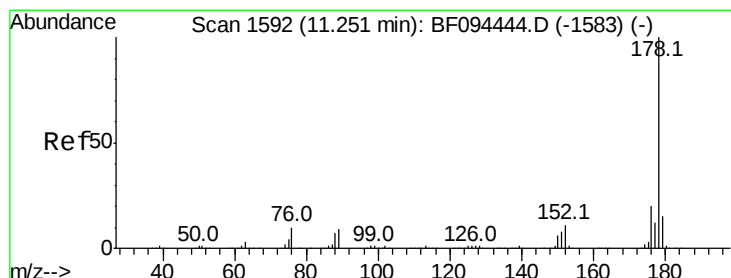
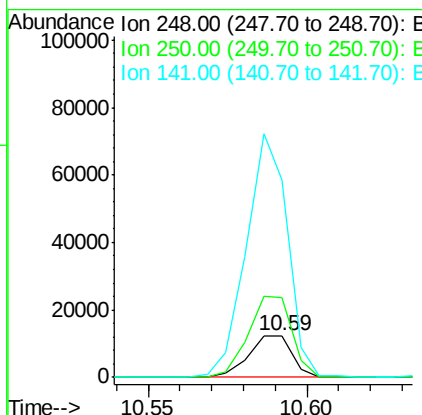
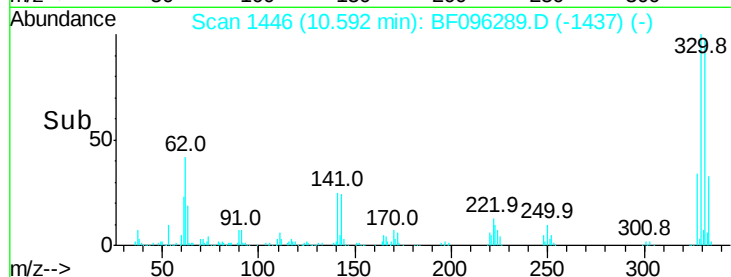
#66
 4-Bromophenyl-phenylether
 Concen: 3.18 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.25 min
 Lab File: BF096289.D
 Acq: 29 Jun 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11709
 Ion Ratio Lower Upper
 248 100
 250 191.5 76.8 115.2#
 141 476.4 68.6 103.0#

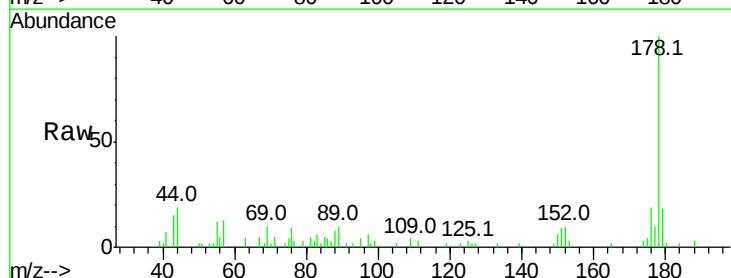


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

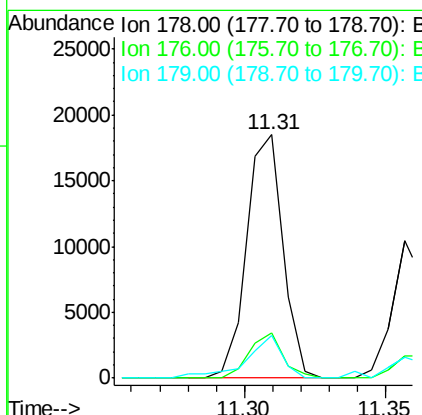
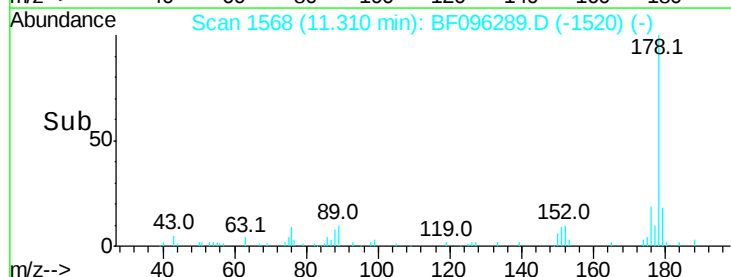


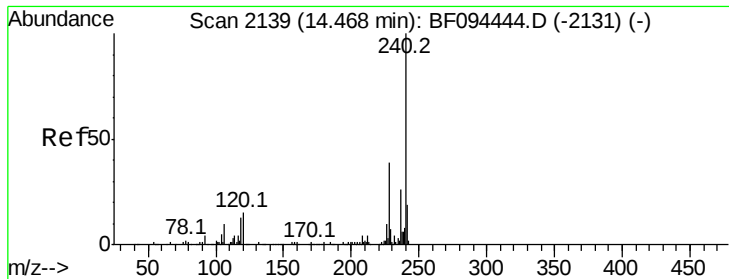
#70
 Phenanthrene
 Concen: Below Cal
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF096289.D
 Acq: 29 Jun 2017 14:02

Tgt Ion:178 Resp: 16518
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.2 24.4
 179 17.7 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

Instrument :

BNA_F

ClientSampleId :

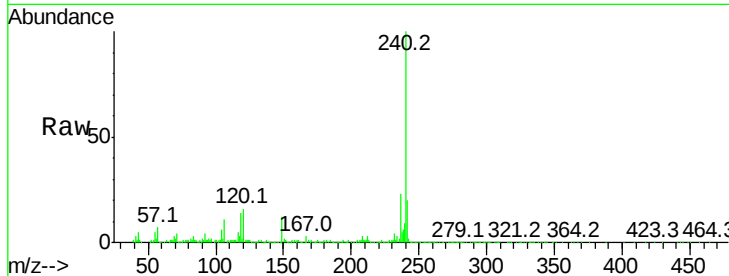
Tot Ion:240 Resp: 322675

Ion Ratio Lower Upper

240 100

120 16.1 5.8 8.8#

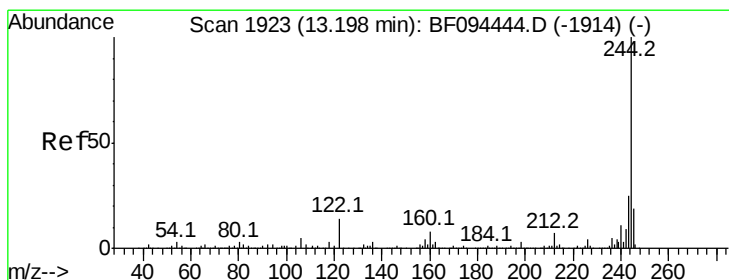
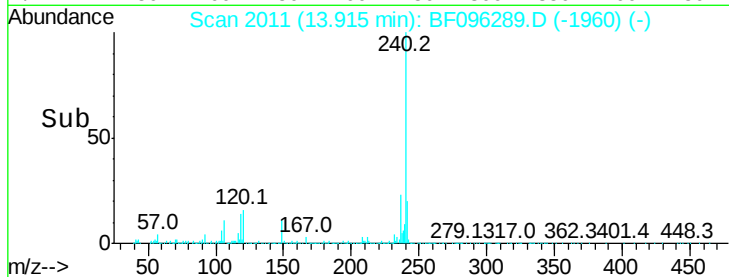
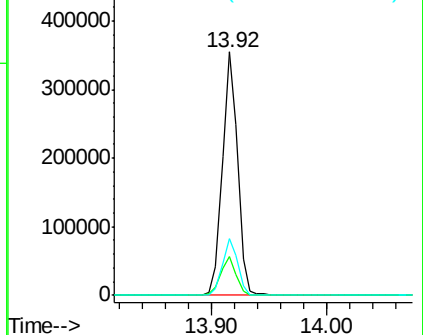
236 23.4 20.5 30.7



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: 45.79 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096289.D

Acq: 29 Jun 2017 14:02

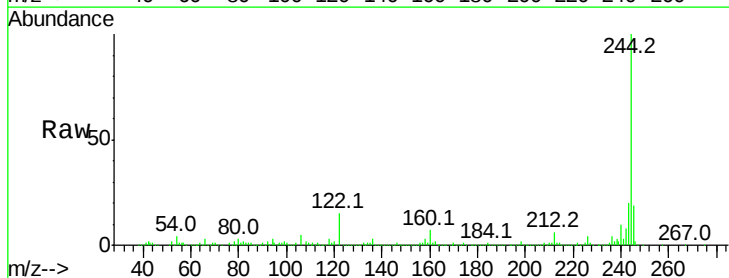
Tgt Ion:244 Resp: 592075

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

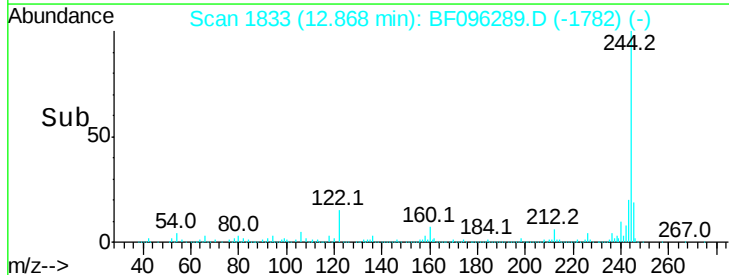
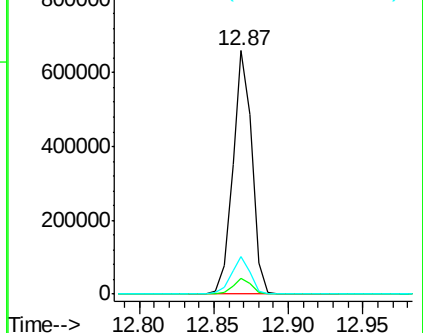
122 15.4 10.3 15.5

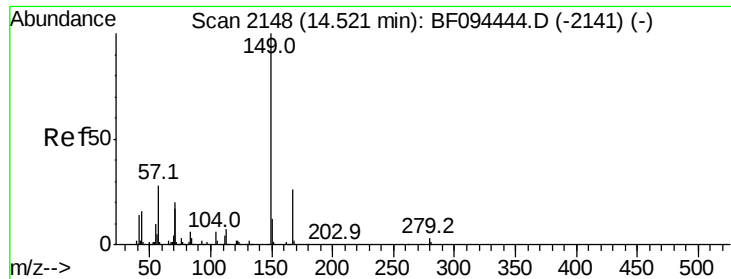


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

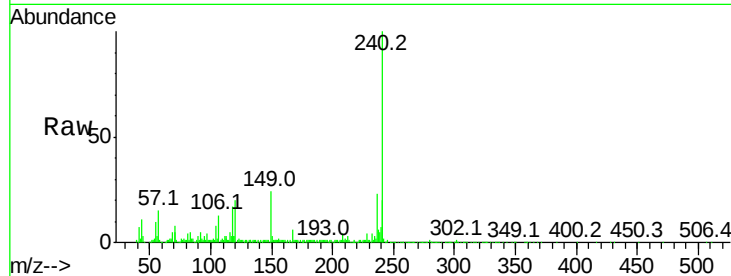




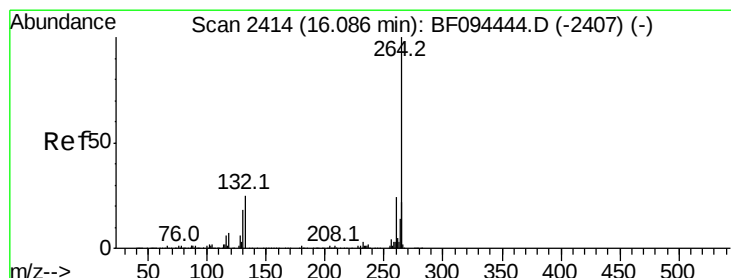
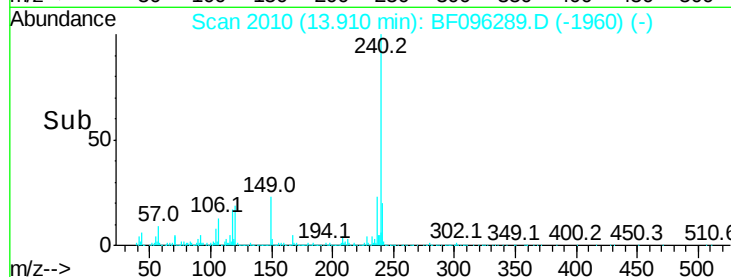
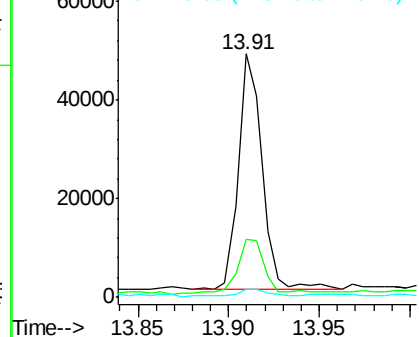
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.29 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF096289.D
Acq: 29 Jun 2017 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 43442
Ion Ratio Lower Upper
149 100
167 23.8 21.0 31.4
279 3.2 1.9 2.9#

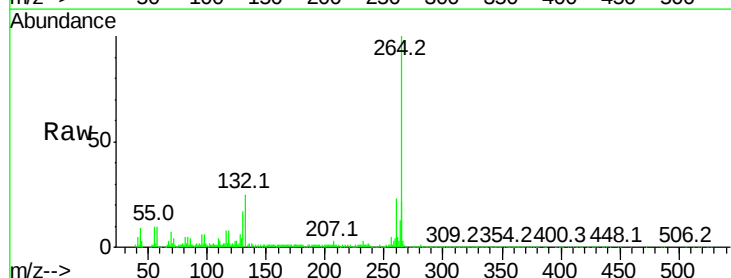


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF096289.D
Acq: 29 Jun 2017 14:02

Tgt Ion:264 Resp: 241178
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.6 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

