

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097875.D
 Acq On : 19 Aug 2017 13:35
 Operator : SJ/JU
 Sample : I4846-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PI-3(3)

Quant Time: Aug 21 02:36:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

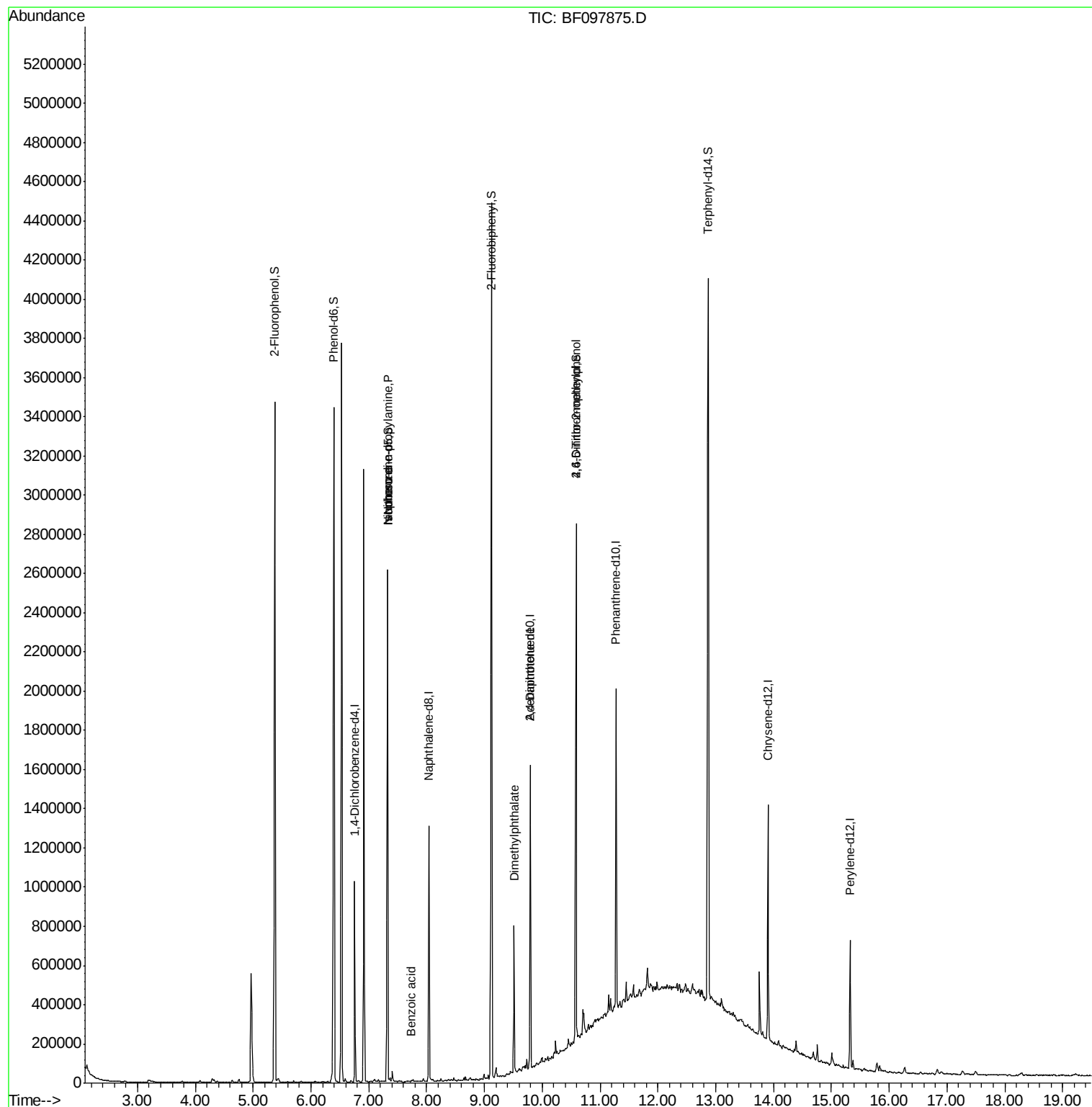
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	140519	20.00	ng	-0.03
21) Naphthalene-d8	8.04	136	592740	20.00	ng	-0.03
38) Acenaphthene-d10	9.79	164	292711	20.00	ng	-0.03
63) Phenanthrene-d10	11.27	188	587186	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	434169	20.00	ng	-0.03
86) Perylene-d12	15.33	264	275894	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1192246	129.06	ng	-0.01
7) Phenol-d6	6.40	99	1660133	132.26	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1071311	98.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	379683	149.50	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	1626645	81.65	ng	-0.02
78) Terphenyl-d14	12.87	244	1560840	74.97	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	145733	16.96	ng	# 71
25) Isophorone	7.33	82	1068763	47.11	ng	# 67
32) Benzoic acid	7.73	122	1476	6.59	ng	# 74
49) Dimethylphthalate	9.51	163	254582	11.90	ng	100
56) 2,4-Dinitrotoluene	9.79	165	38587	7.20	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.59	198	1052	8.64	ng	# 1

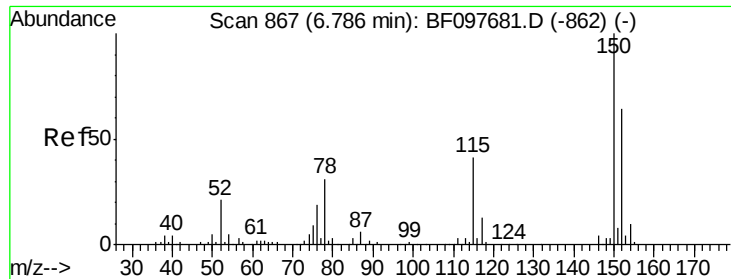
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 794

Delta R.T. -0.03 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PI-3(3)

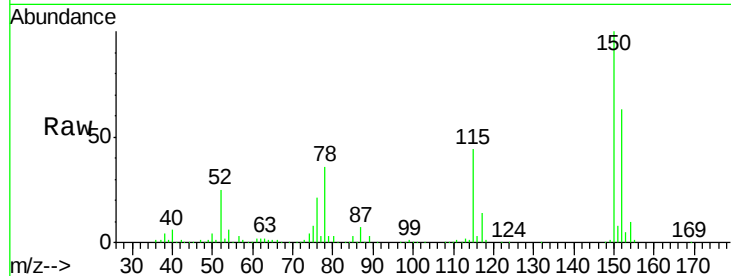
Tot Ion:152 Resp: 140519

Ion Ratio Lower Upper

152 100

150 157.7 126.2 189.2

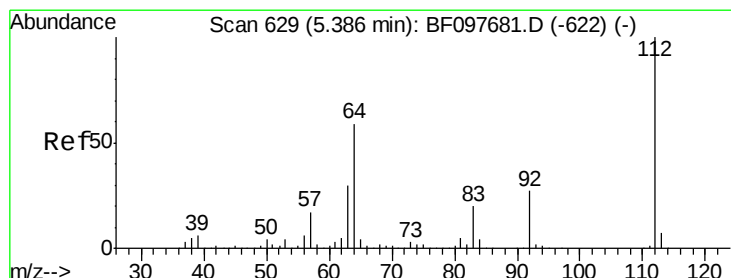
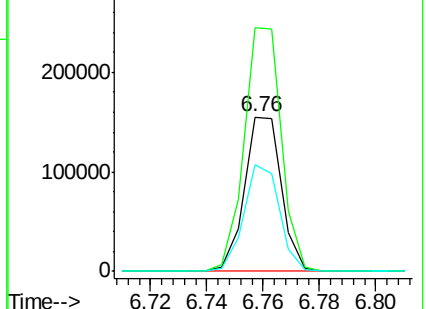
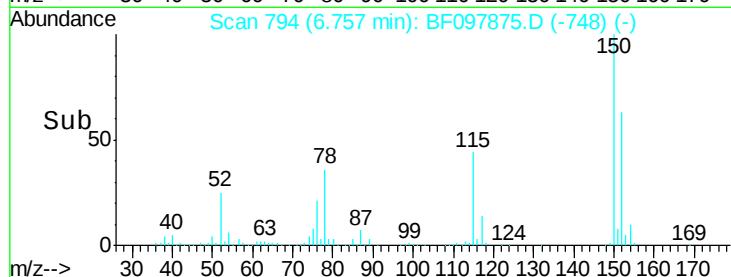
115 69.2 52.2 78.2



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: 129.06 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

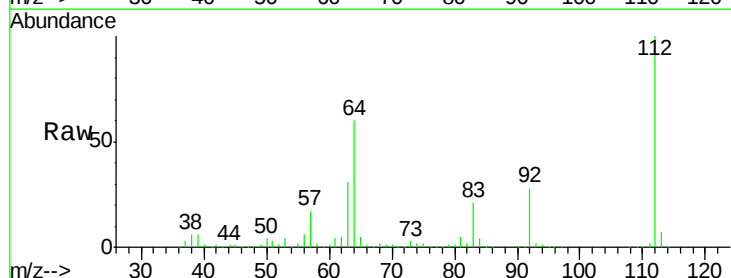
Tgt Ion:112 Resp: 1192246

Ion Ratio Lower Upper

112 100

64 60.1 46.0 69.0

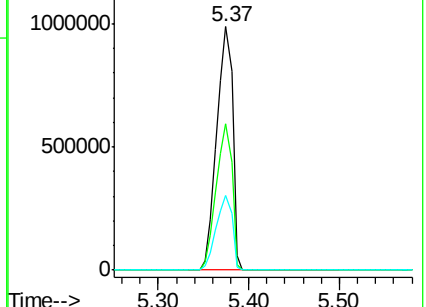
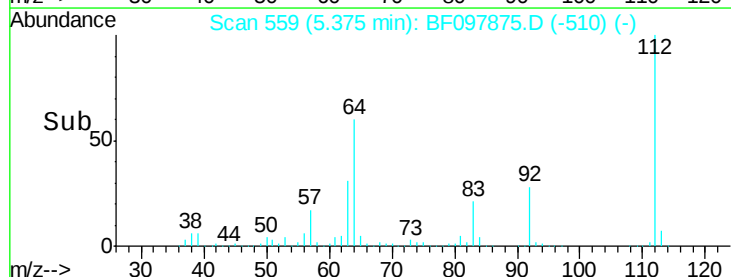
63 30.7 23.4 35.0

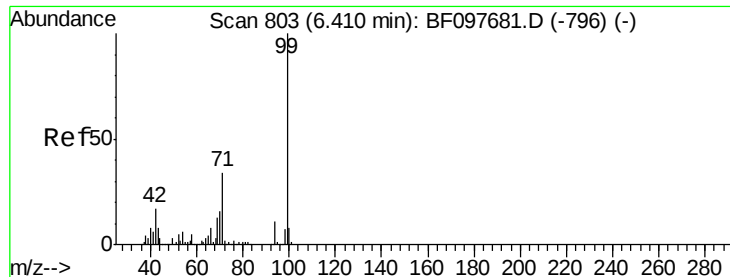


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.26 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PI-3(3)

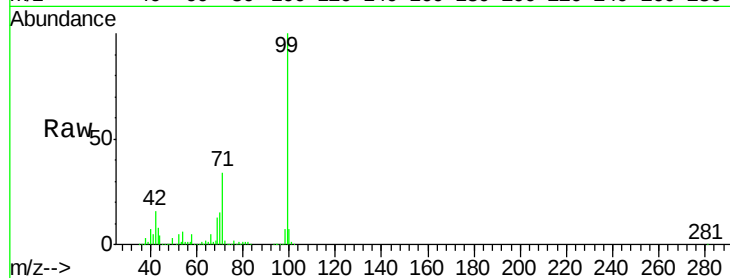
Tot Ion: 99 Resp: 1660133

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

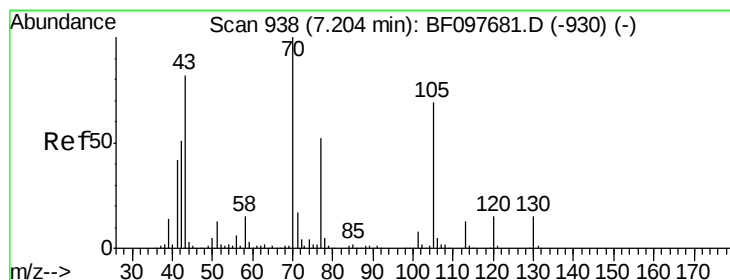
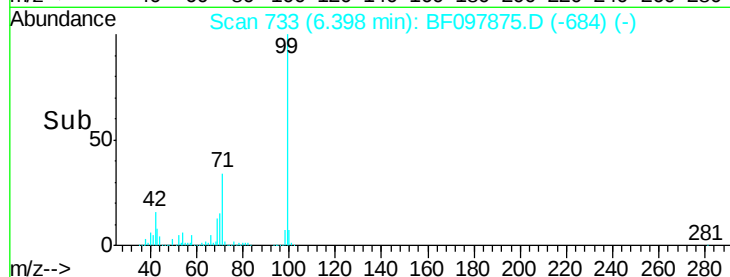
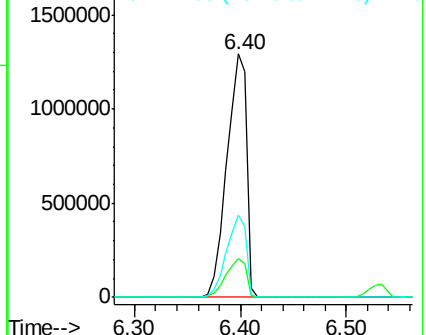
71 33.9 24.5 36.7



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: 16.96 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.12 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

Tgt Ion: 70 Resp: 145733

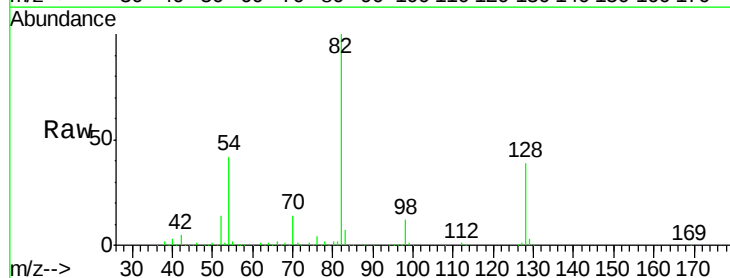
Ion Ratio Lower Upper

70 100

42 40.0 47.2 70.8#

101 0.0 7.2 10.8#

130 1.6 15.9 23.9#

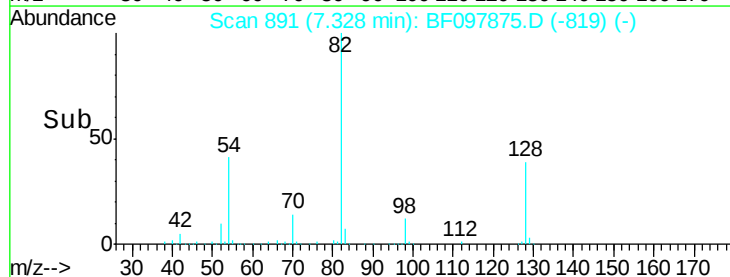
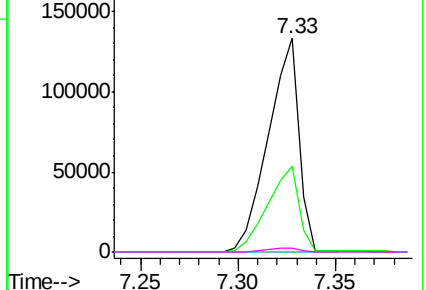


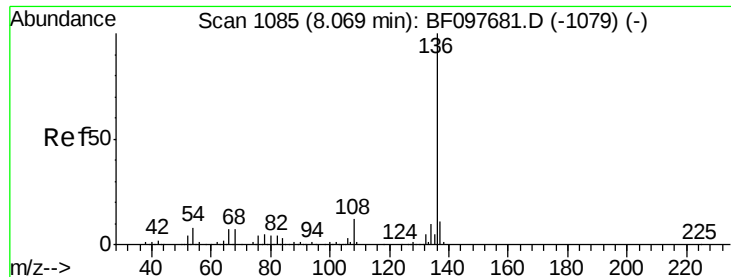
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.04 min Scan# 1012

Delta R.T. -0.03 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PI-3(3)

Tot Ion:136 Resp: 592740

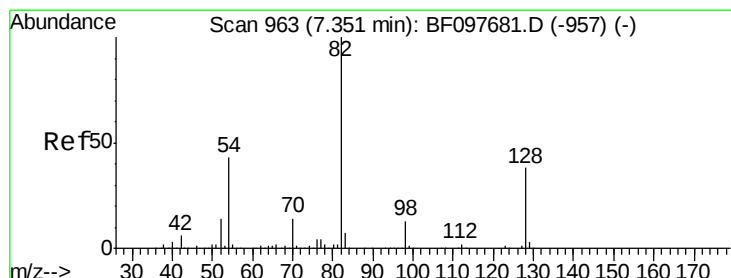
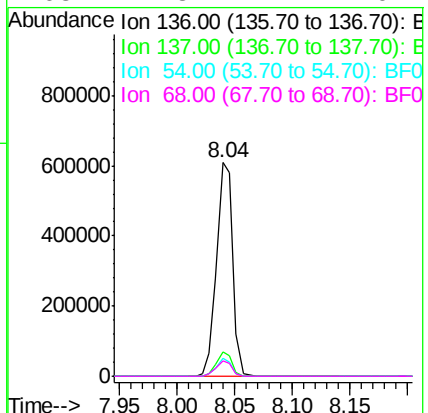
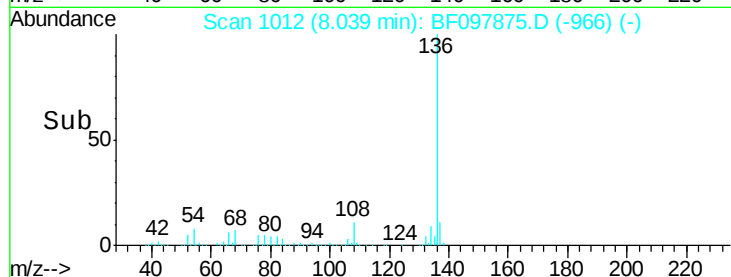
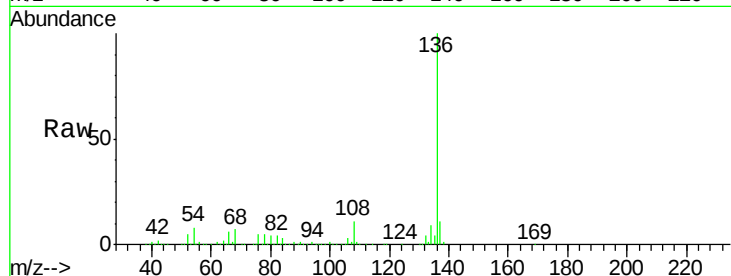
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.2 4.9 7.3#

68 7.3 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 98.19 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

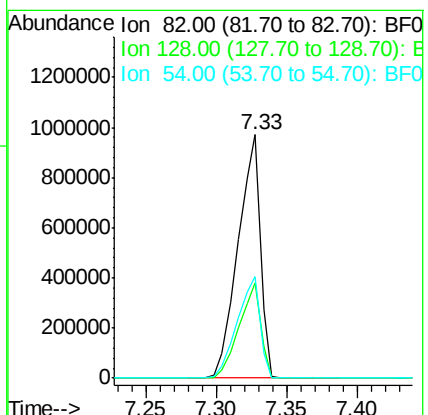
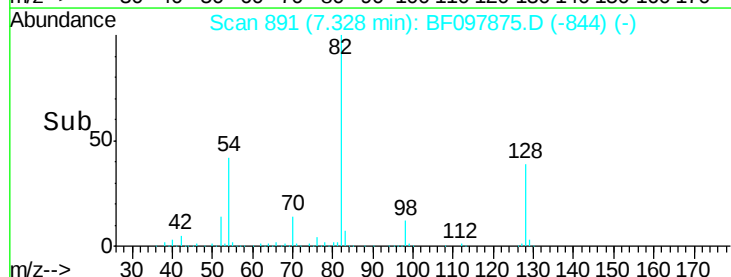
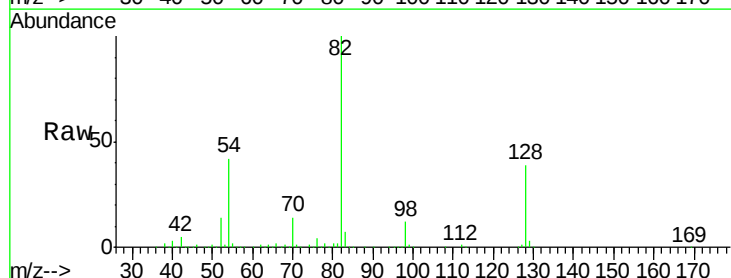
Tgt Ion: 82 Resp: 1071311

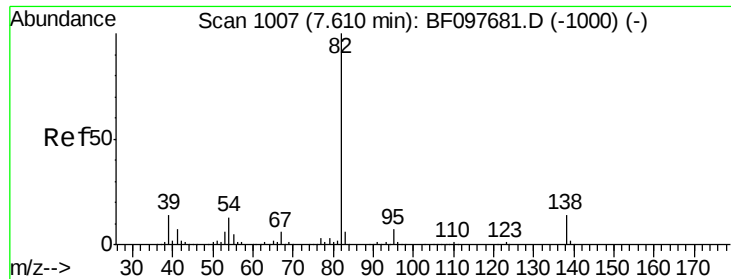
Ion Ratio Lower Upper

82 100

128 39.1 34.0 51.0

54 41.5 42.2 63.2#





#25

Isophorone

Concen: 47.11 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.28 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PI-3(3)

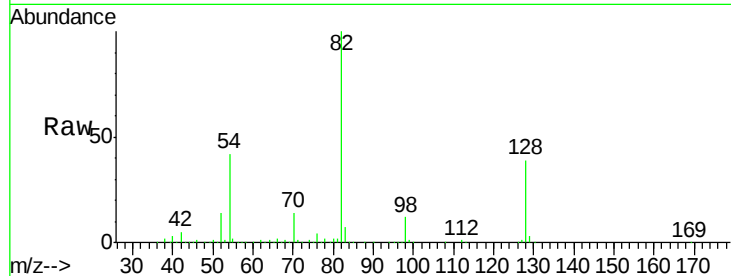
Tot Ion: 82 Resp: 1068763

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

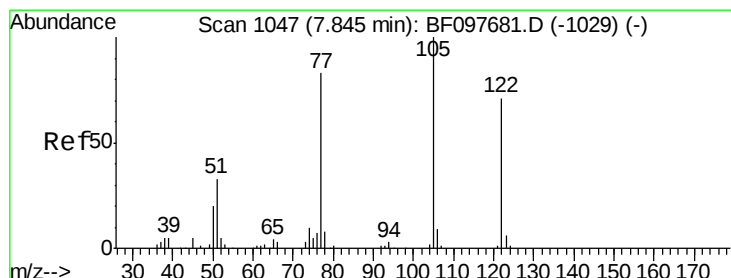
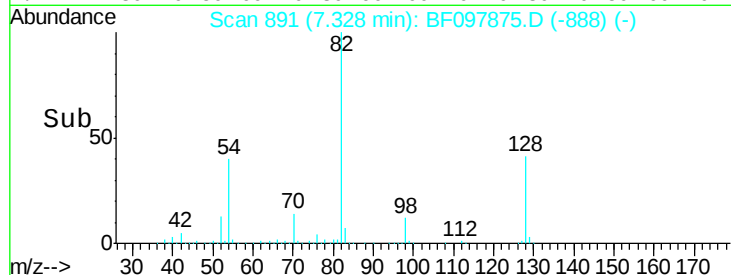
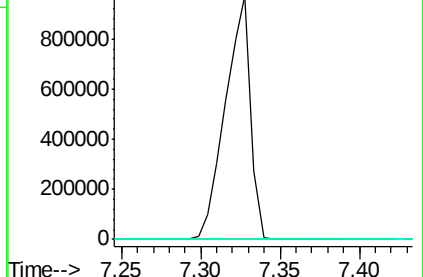
138 0.0 13.1 19.7#



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: 6.59 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.11 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

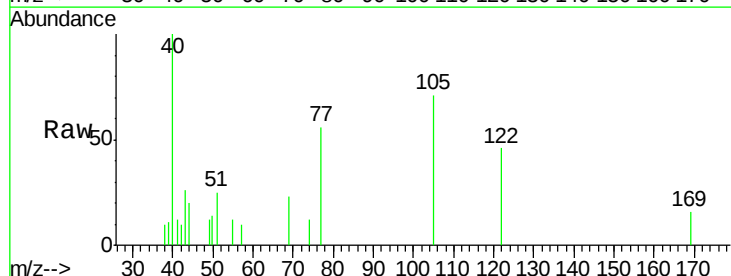
Tgt Ion: 122 Resp: 1476

Ion Ratio Lower Upper

122 100

105 152.3 103.3 143.3#

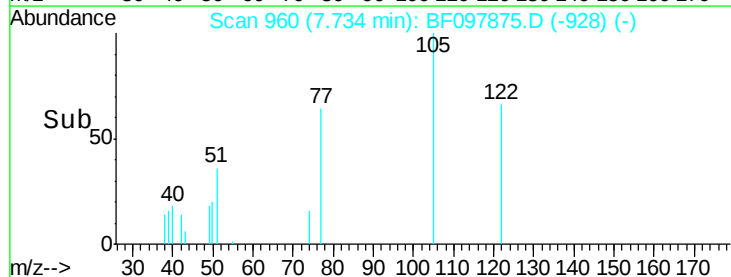
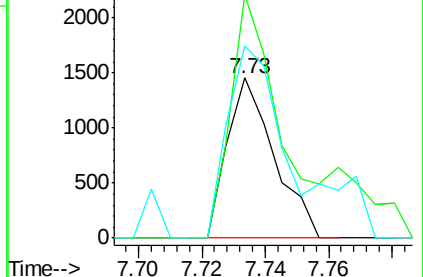
77 120.1 73.7 113.7#

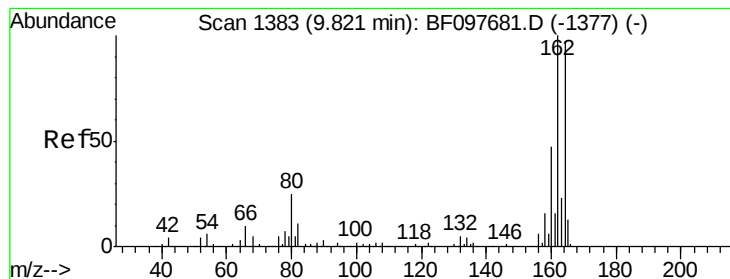


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.79 min Scan# 1310

Delta R.T. -0.03 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PI-3(3)

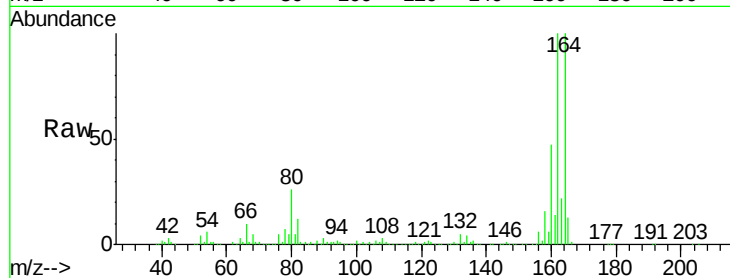
Tot Ion:164 Resp: 292711

Ion Ratio Lower Upper

164 100

162 100.3 82.6 123.8

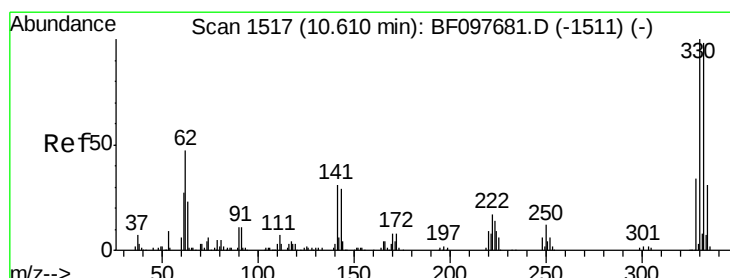
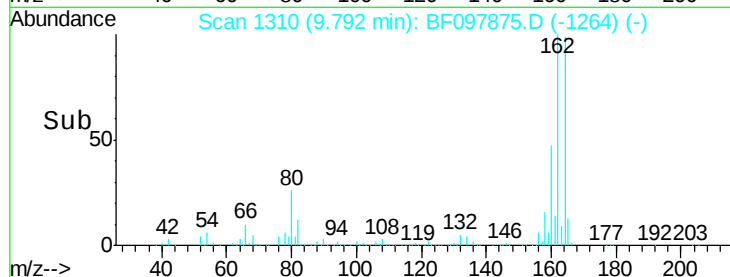
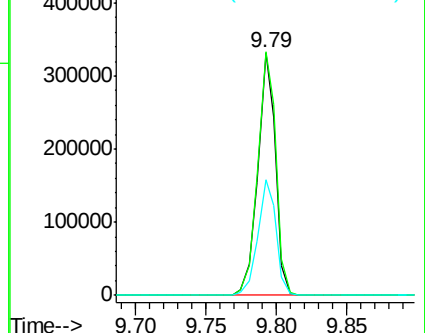
160 47.5 36.2 54.2



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: 149.50 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

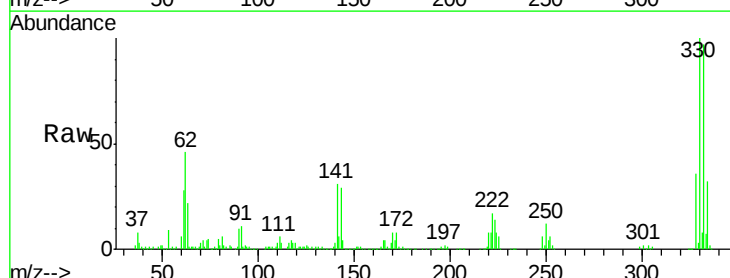
Tgt Ion:330 Resp: 379683

Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

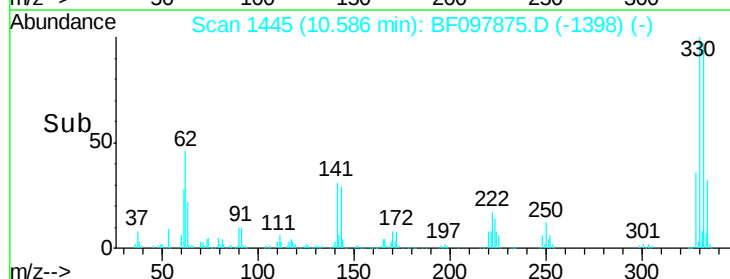
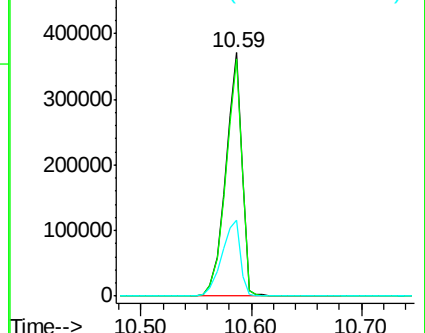
141 35.5 31.4 47.2

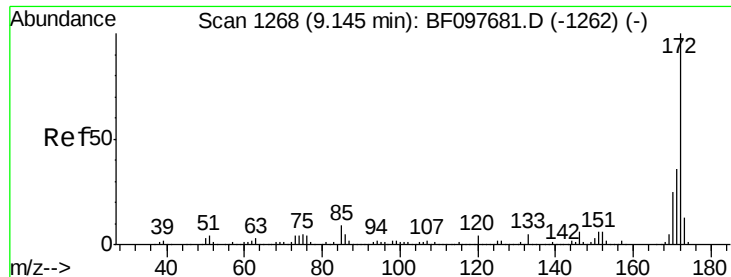


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 81.65 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.02 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

Instrument :

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ClientSampleId :

PI-3(3)

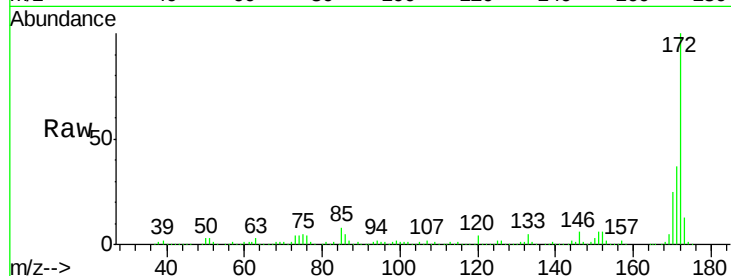
Tot Ion:172 Resp: 1626645

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.6	44.4
170	24.9	19.8	29.8

172 100

171 37.3 29.6 44.4

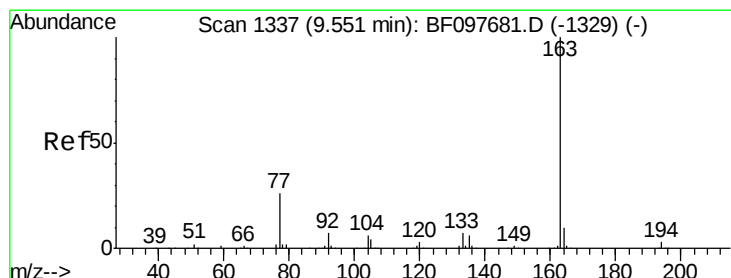
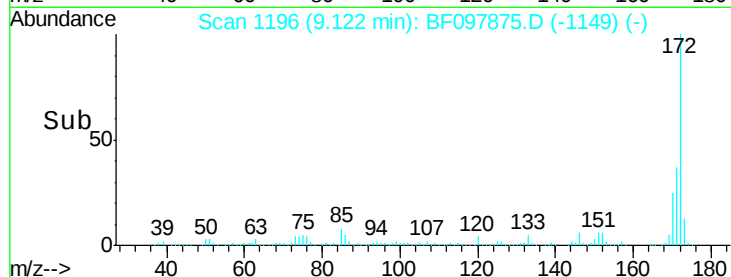
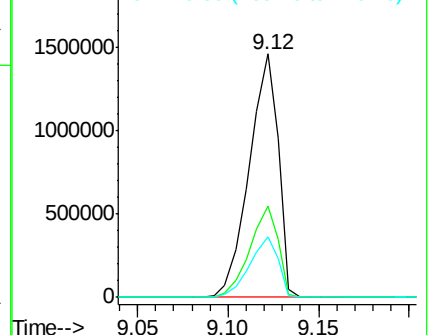
170 24.9 19.8 29.8



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: 11.90 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.04 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

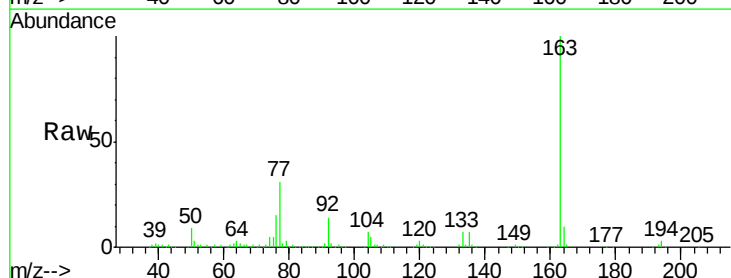
Tgt Ion:163 Resp: 254582

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.5	8.4	12.6

163 100

194 3.5 2.6 4.0

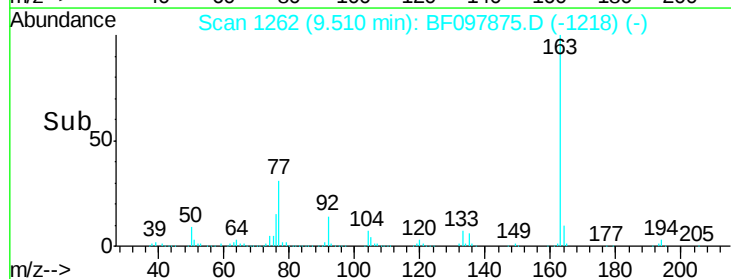
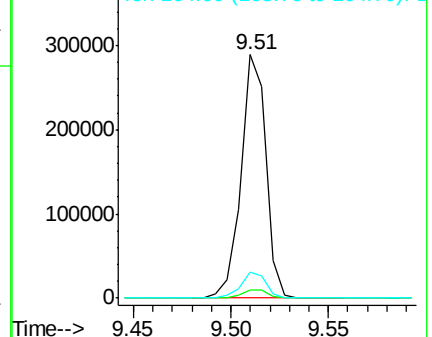
164 10.5 8.4 12.6

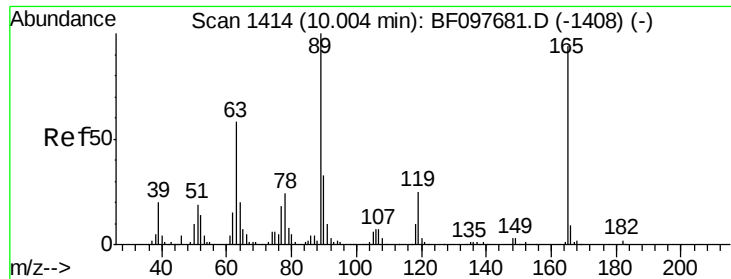


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

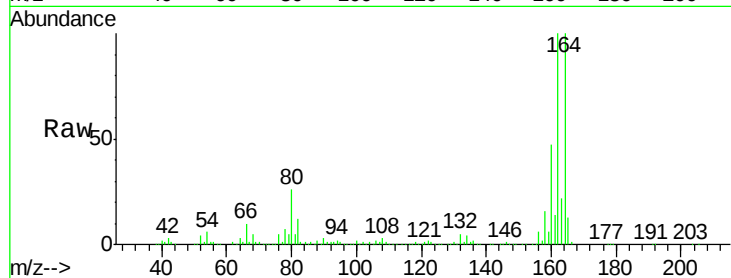




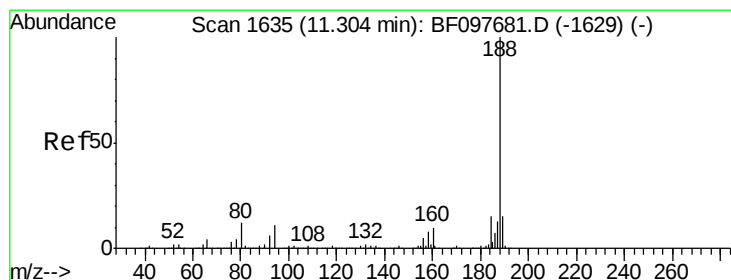
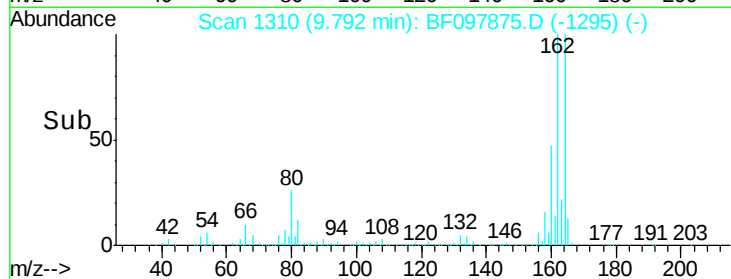
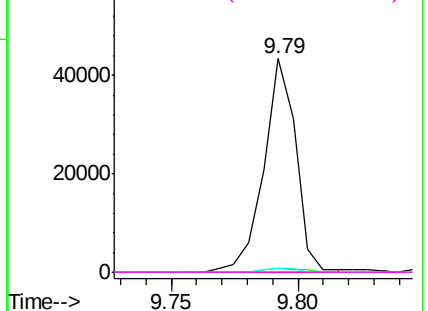
#56
2,4-Dinitrotoluene
Concen: 7.20 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.21 min
Lab File: BF097875.D
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Instrument :
BNA_F
ClientSampleId :
PI-3(3)

Tot Ion:165 Resp: 38587
Ion Ratio Lower Upper
165 100
63 2.0 25.4 38.0#
89 1.8 46.4 69.6#
182 0.0 1.8 2.6#

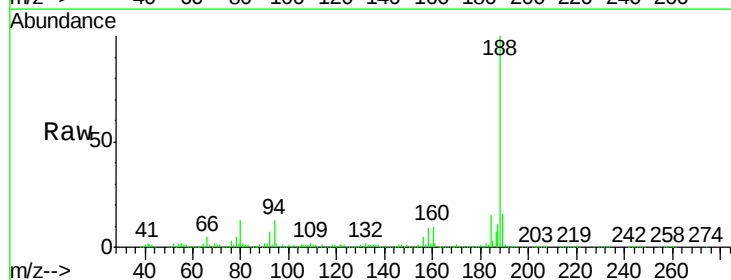


Abundance Ion 165.00 (164.70 to 165.70): E

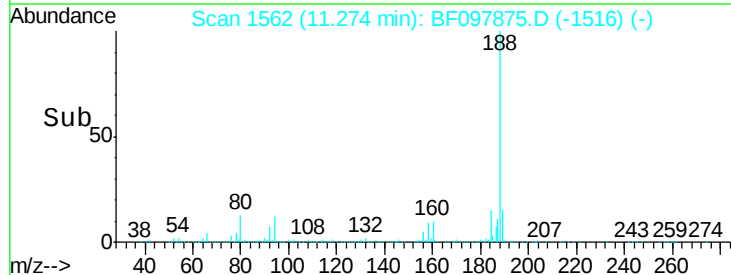
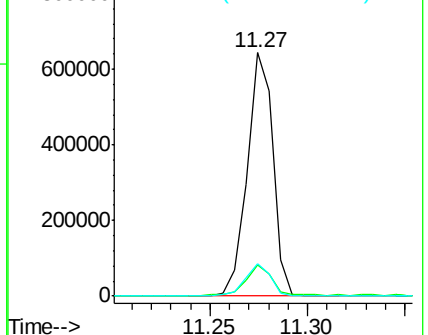


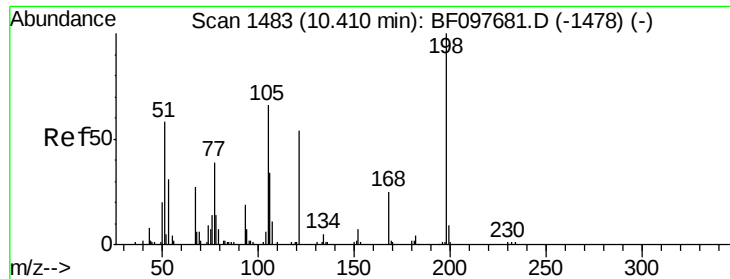
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.03 min
Lab File: BF097875.D
Acq: 19 Aug 2017 13:35

Tgt Ion:188 Resp: 587186
Ion Ratio Lower Upper
188 100
94 12.8 9.4 14.2
80 13.2 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 8.64 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.18 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

Instrument :

BNA_F

ClientSampled :

PI-3(3)

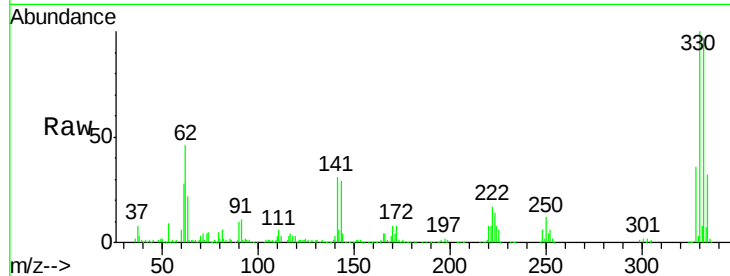
Tot Ion:198 Resp: 1052

Ion Ratio Lower Upper

198 100

51 143.5 53.2 93.2#

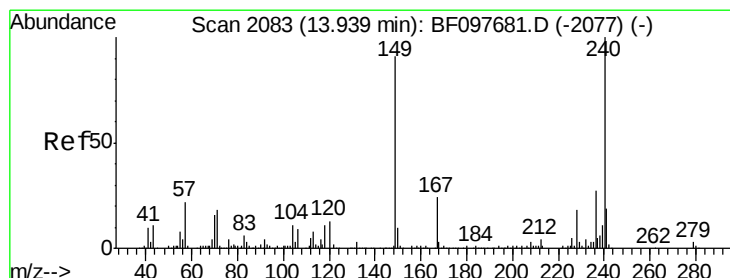
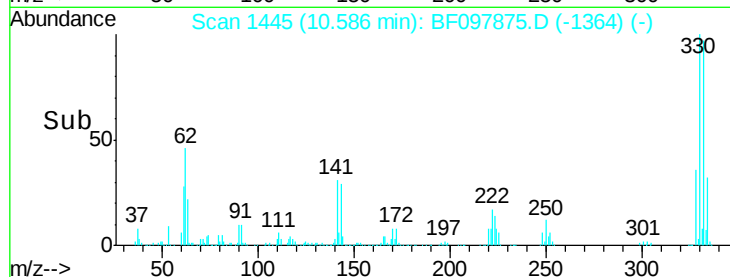
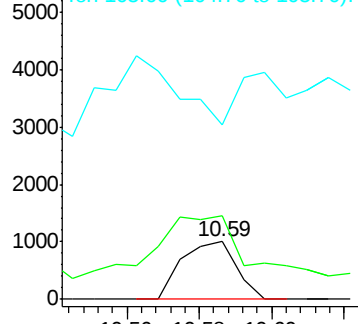
105 301.5 45.8 85.8#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.03 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

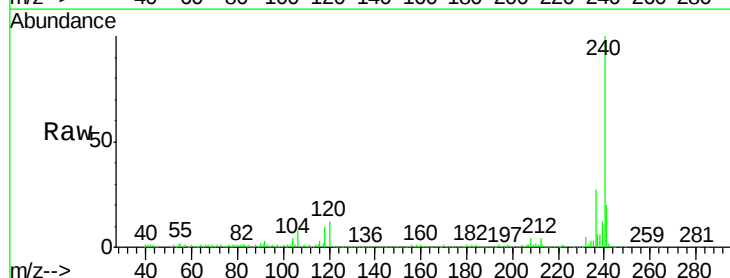
Tgt Ion:240 Resp: 434169

Ion Ratio Lower Upper

240 100

120 11.8 5.8 8.8#

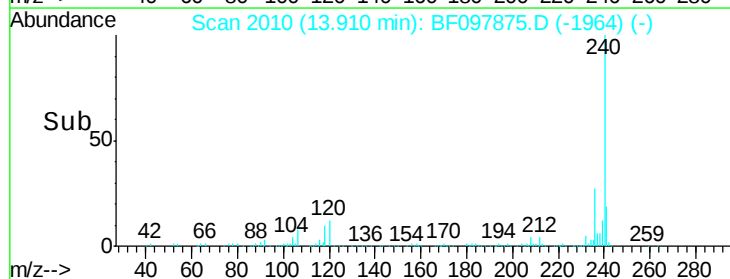
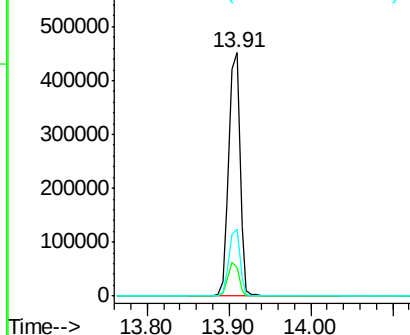
236 27.4 20.5 30.7

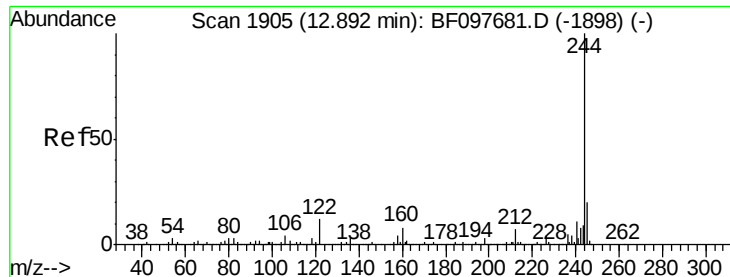


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 74.97 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.02 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PI-3(3)

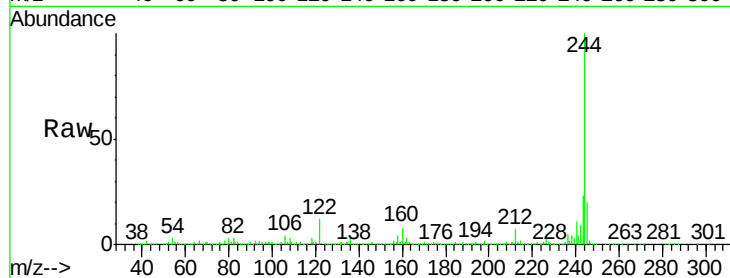
Tot Ion:244 Resp: 1560840

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

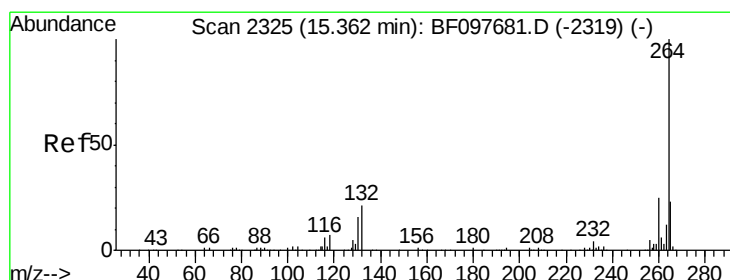
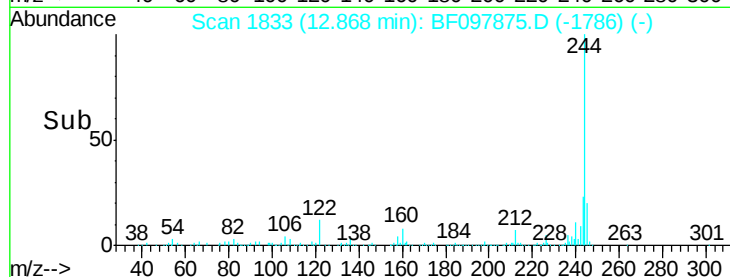
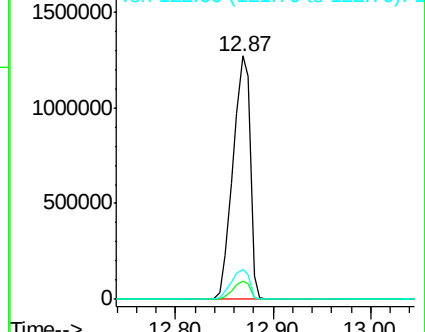
122 12.0 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 2251

Delta R.T. -0.04 min

Lab File: BF097875.D

Acq: 19 Aug 2017 13:35

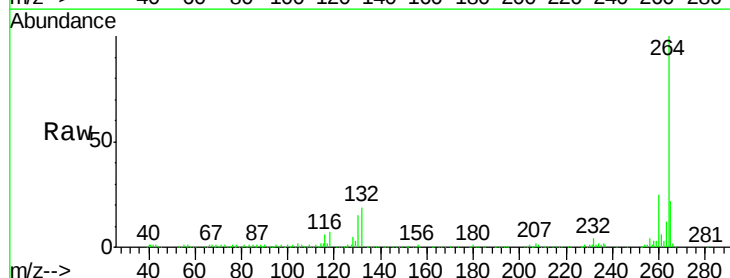
Tgt Ion:264 Resp: 275894

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 21.5 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

