

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097692.D
 Acq On : 15 Aug 2017 15:45
 Operator : SJ/JU
 Sample : PB101477BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB101477BL

Quant Time: Aug 16 03:50:41 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

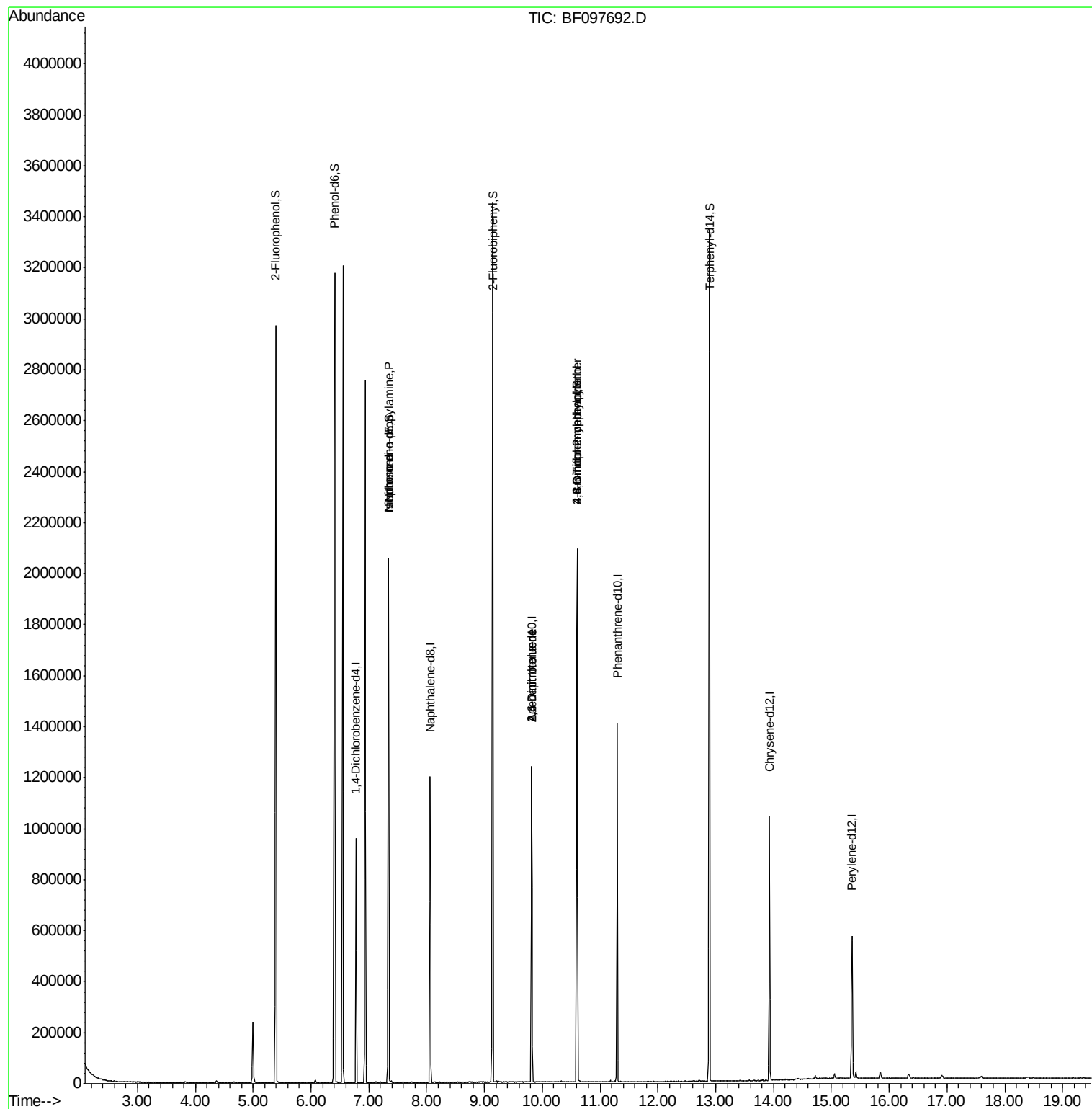
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	116716	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	468999	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	212368	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	431034	20.00	ng	0.00
75) Chrysene-d12	13.93	240	365013	20.00	ng	0.00
86) Perylene-d12	15.36	264	248999	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	934250	121.75	ng	0.00
7) Phenol-d6	6.41	99	1215251	116.56	ng	0.00
23) Nitrobenzene-d5	7.35	82	736337	85.29	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	232338	126.09	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1116266	77.23	ng	0.00
78) Terphenyl-d14	12.89	244	1070203	61.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	100426	14.07	ng	# 71
25) Isophorone	7.35	82	735966	41.00	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	27393	8.84	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	27393	7.04	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.60	198	565	8.55	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	15927	3.56	ng	# 1

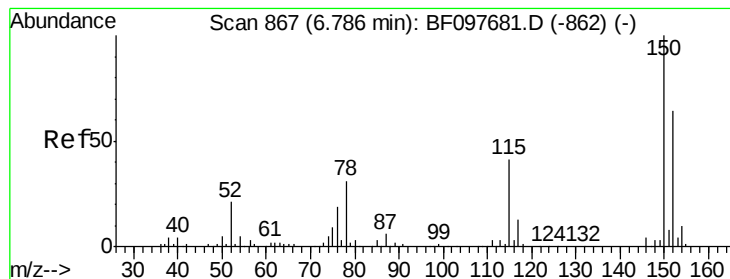
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

Instrument :

BNA_F

ClientSampleId :

PB101477BL

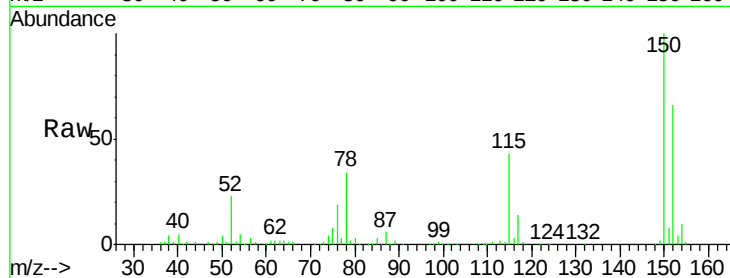
Tot Ion:152 Resp: 116716

Ion Ratio Lower Upper

152 100

150 152.2 126.2 189.2

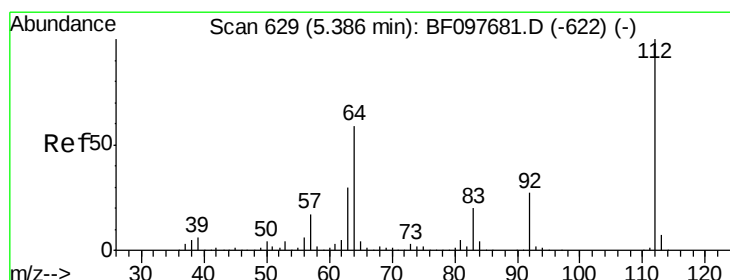
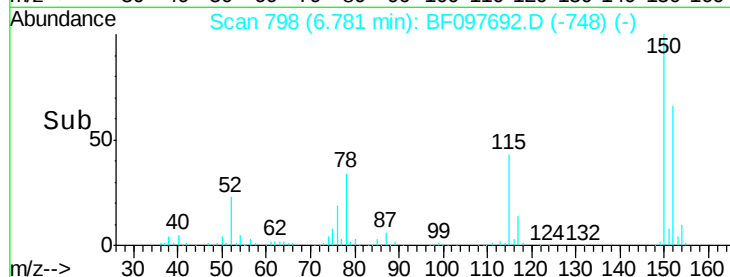
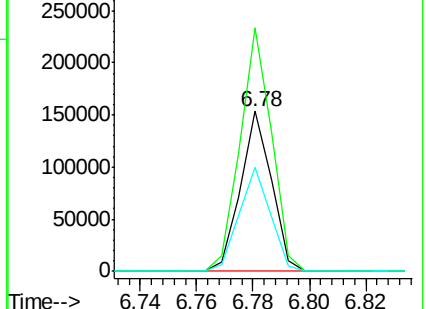
115 65.1 52.2 78.2



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: 121.75 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

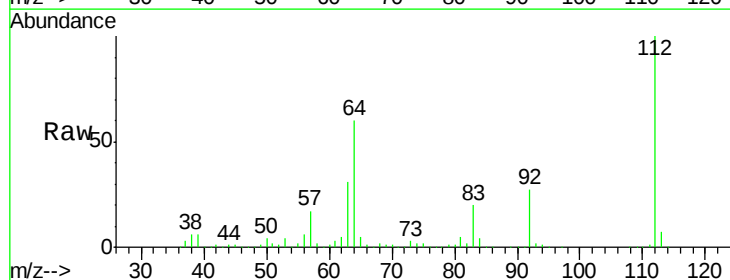
Tgt Ion:112 Resp: 934250

Ion Ratio Lower Upper

112 100

64 60.4 46.0 69.0

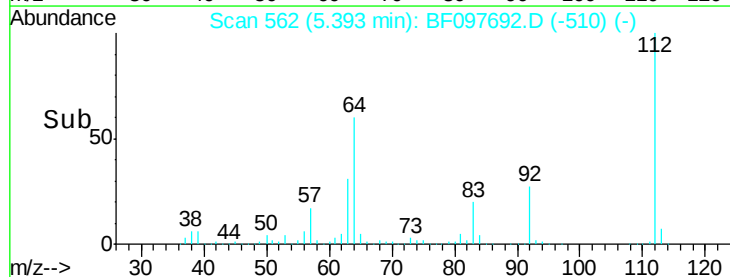
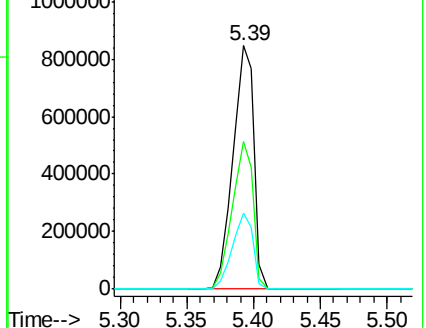
63 30.9 23.4 35.0

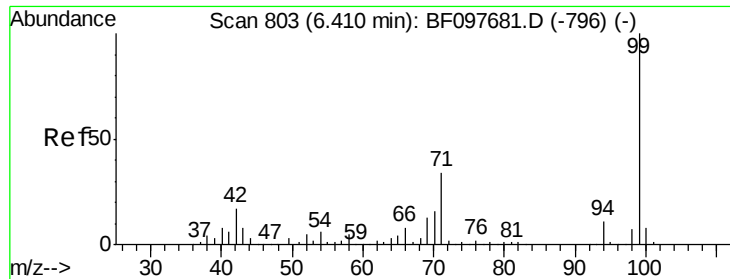


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.56 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

Instrument :

BNA_F

ClientSampleId :

PB101477BL

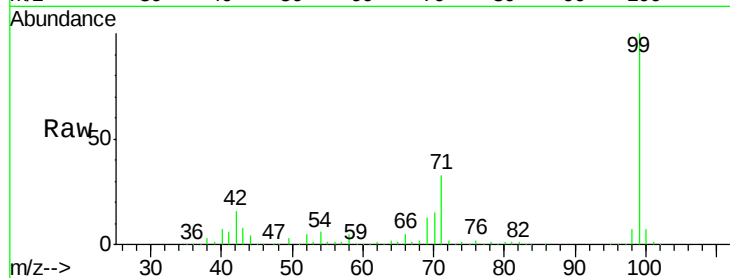
Tot Ion: 99 Resp: 1215251

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

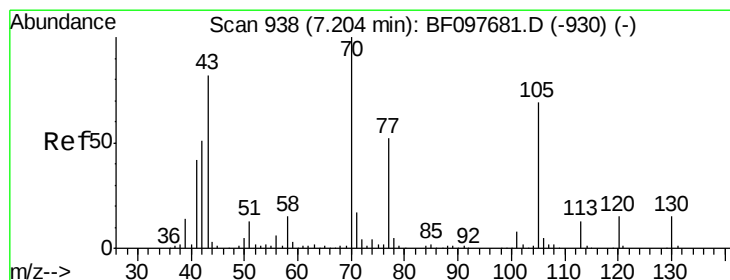
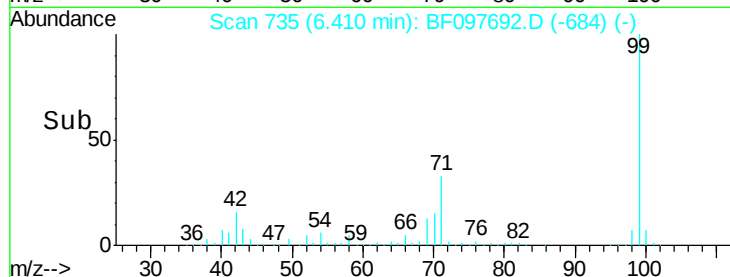
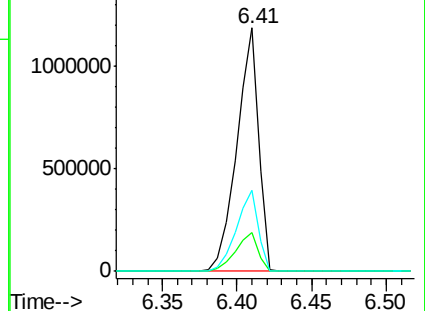
71 33.3 24.5 36.7



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: 14.07 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

Tgt Ion: 70 Resp: 100426

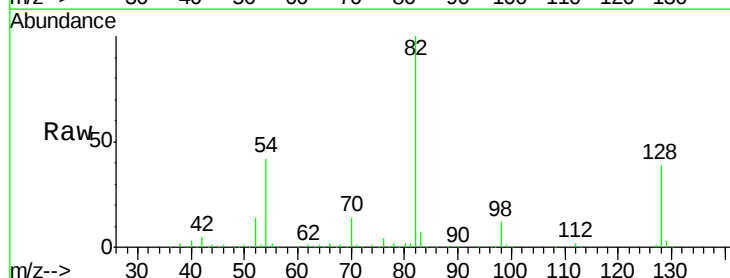
Ion Ratio Lower Upper

70 100

42 39.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

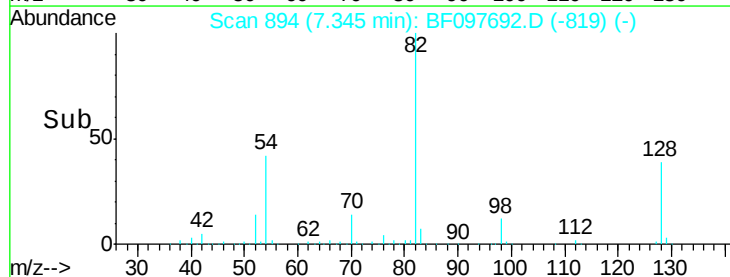
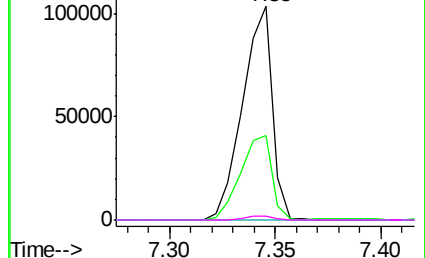


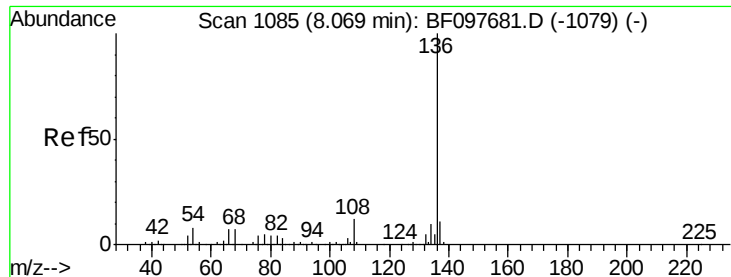
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

Instrument :

BNA_F

ClientSampleId :

PB101477BL

Tot Ion:136 Resp: 468999

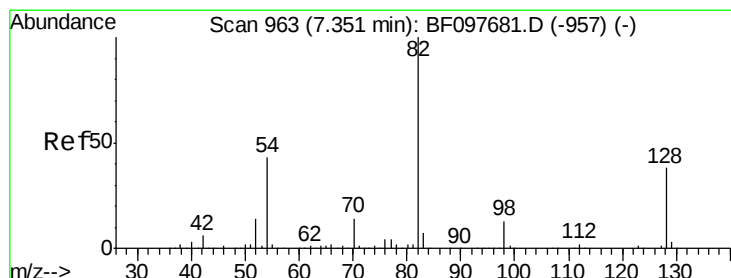
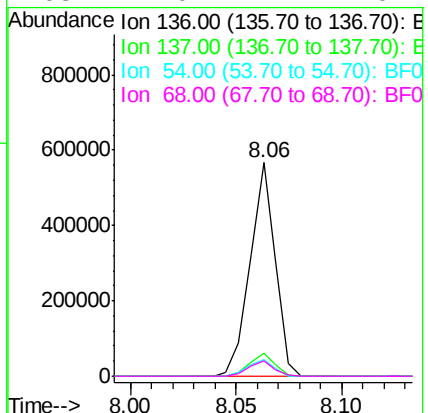
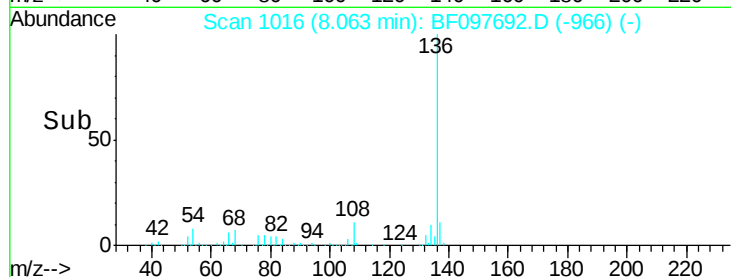
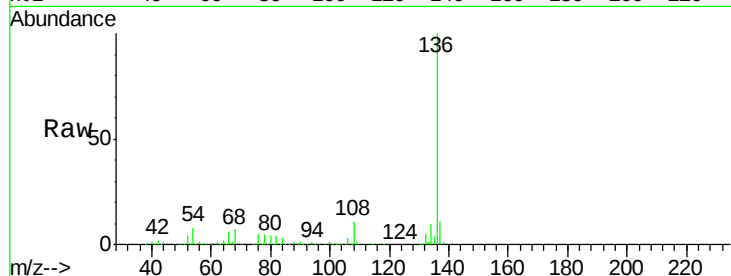
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.9 4.9 7.3#

68 7.0 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 85.29 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

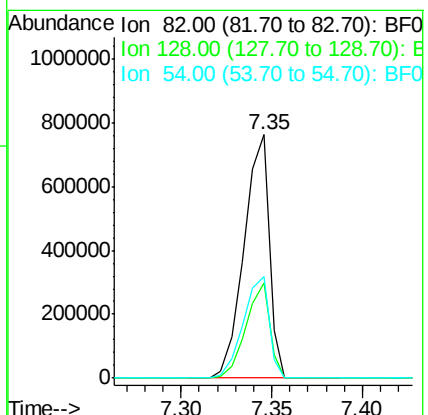
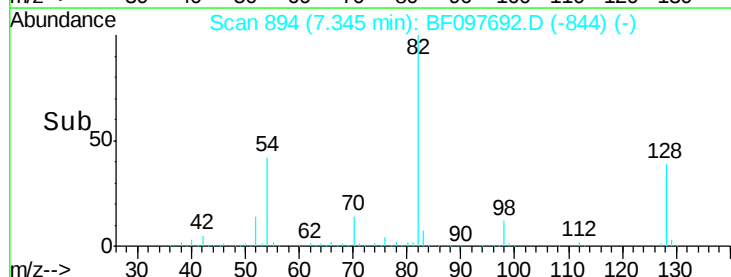
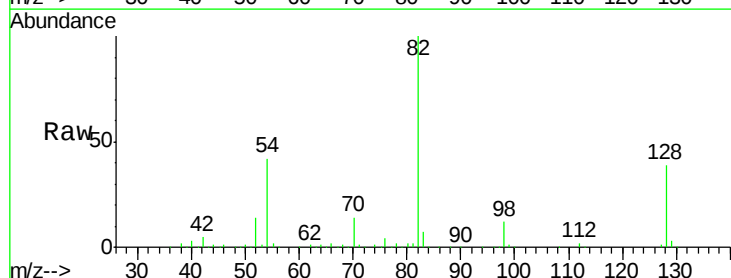
Tgt Ion: 82 Resp: 736337

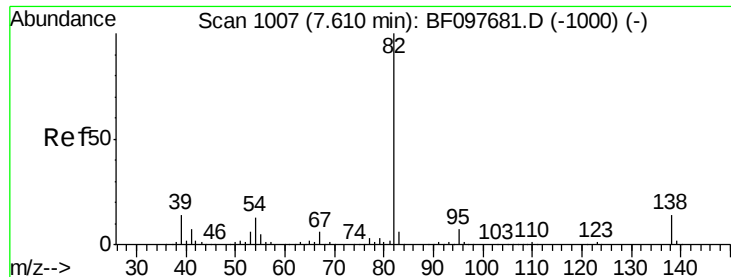
Ion Ratio Lower Upper

82 100

128 38.9 34.0 51.0

54 41.7 42.2 63.2#





#25

Isophorone

Concen: 41.00 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

Instrument :

BNA_F

ClientSampleId :

PB101477BL

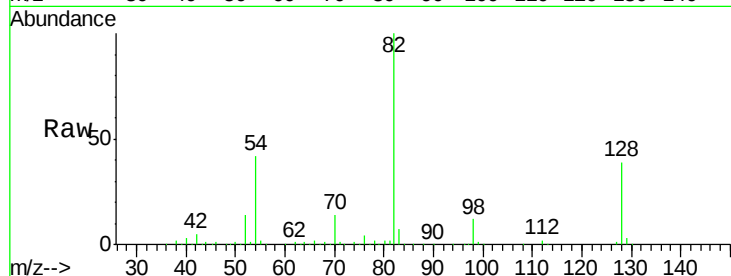
Tot Ion: 82 Resp: 735966

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

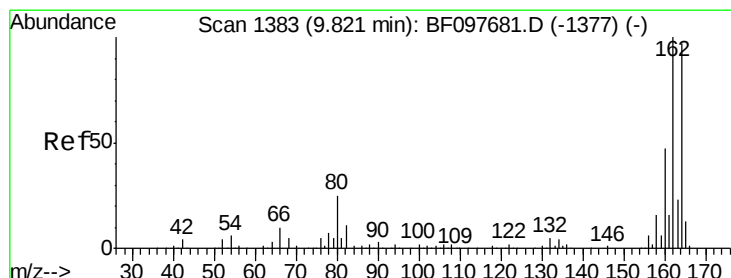
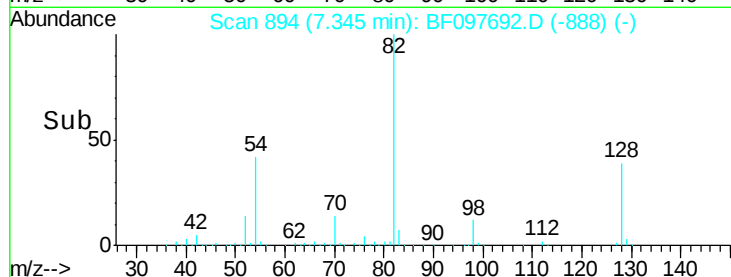
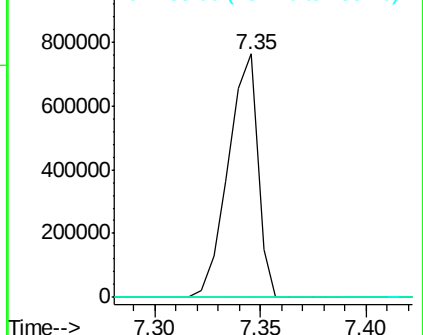
138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

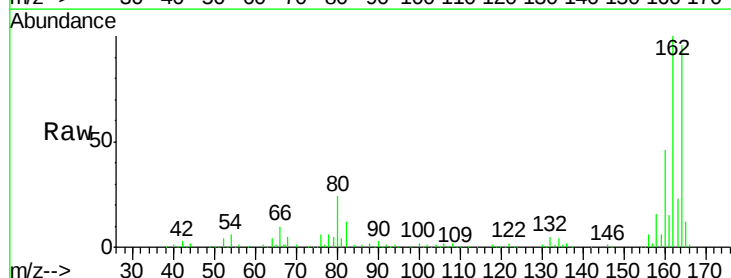
Tgt Ion: 164 Resp: 212368

Ion Ratio Lower Upper

164 100

162 104.2 82.6 123.8

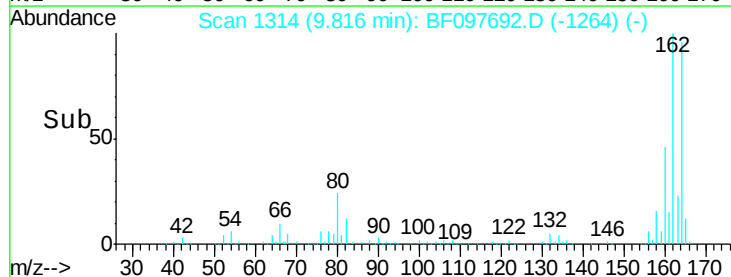
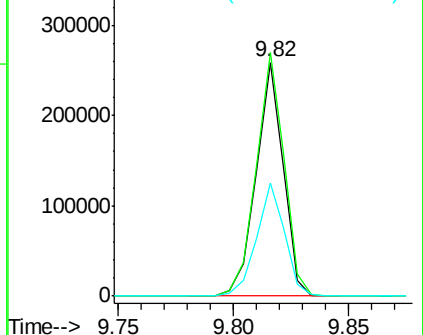
160 48.3 36.2 54.2

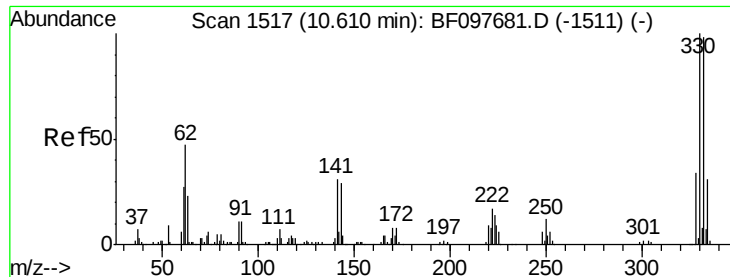


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 126.09 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

Instrument :

BNA_F

ClientSampleId :

PB101477BL

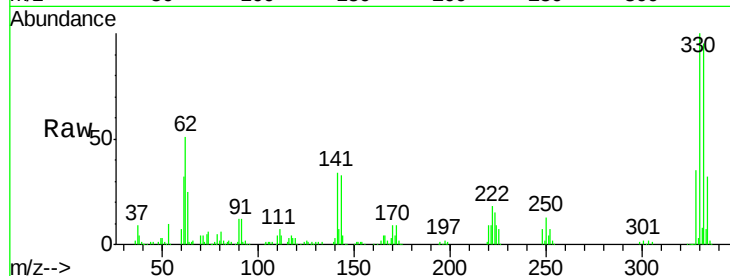
Tot Ion:330 Resp: 232338

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

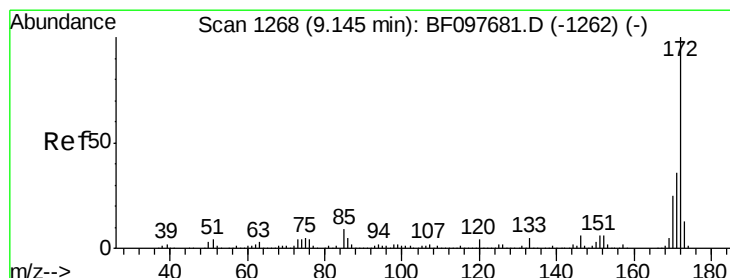
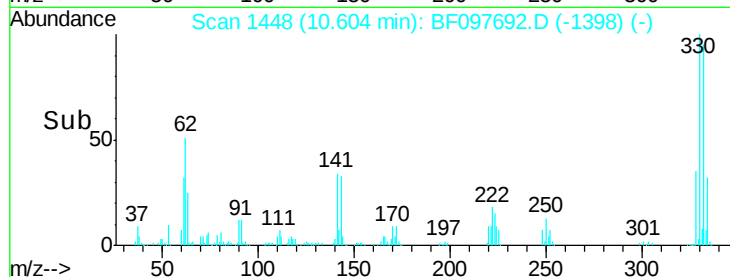
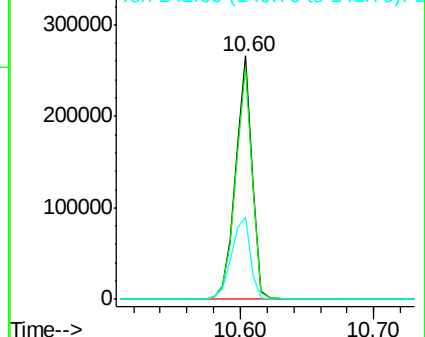
141 38.7 31.4 47.2



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: 77.23 ng

RT: 9.15 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

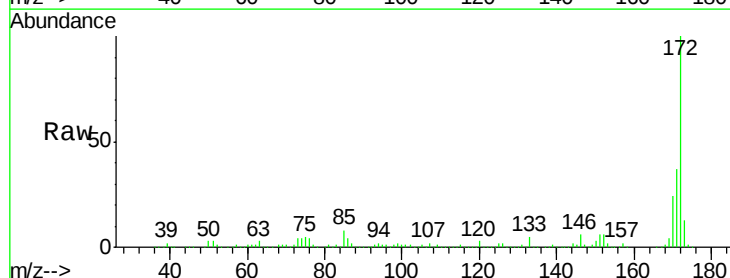
Tgt Ion:172 Resp: 1116266

Ion Ratio Lower Upper

172 100

171 36.8 29.6 44.4

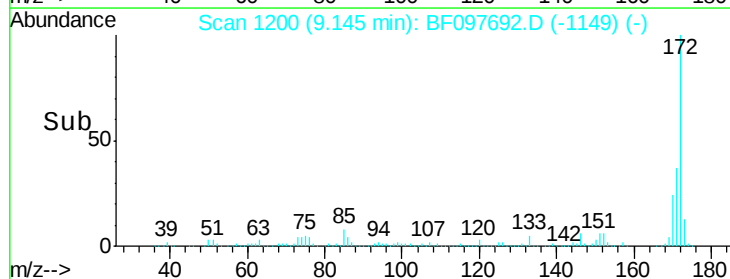
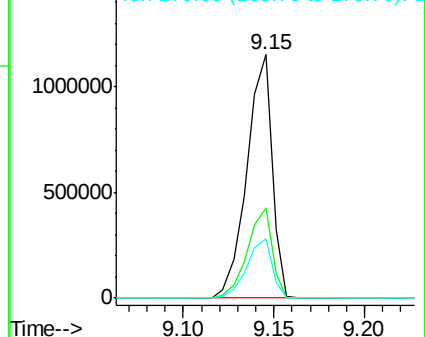
170 24.5 19.8 29.8

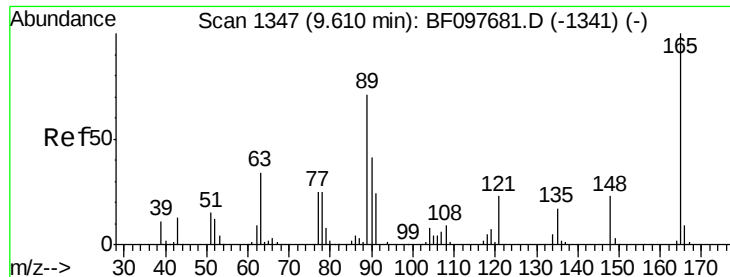


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

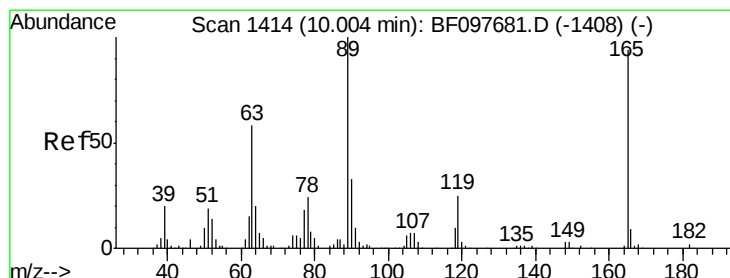
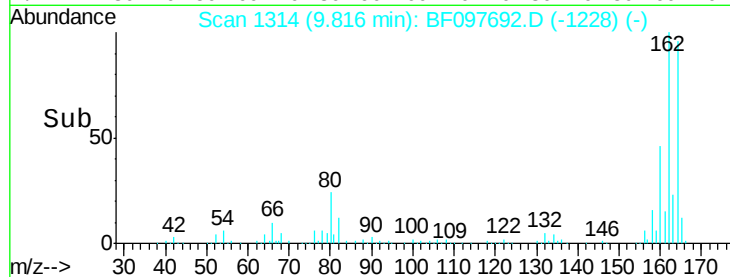
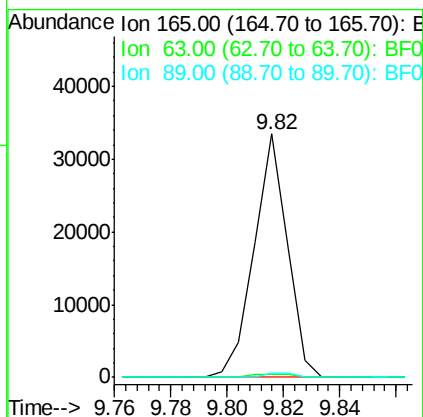
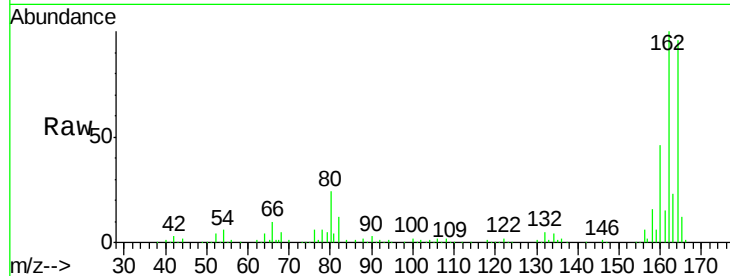




#50
 2,6-Dinitrotoluene
 Concen: 8.84 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097692.D
 Acq: 15 Aug 2017 15:45

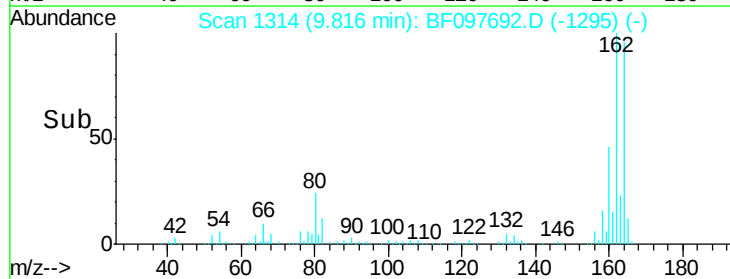
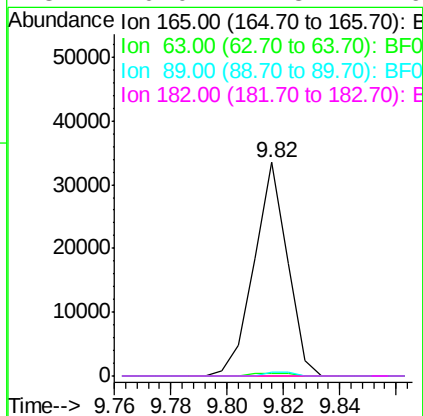
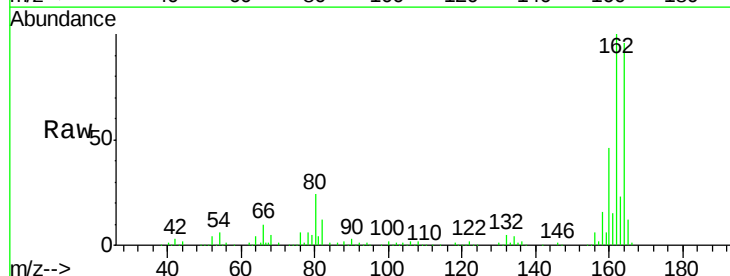
Instrument :
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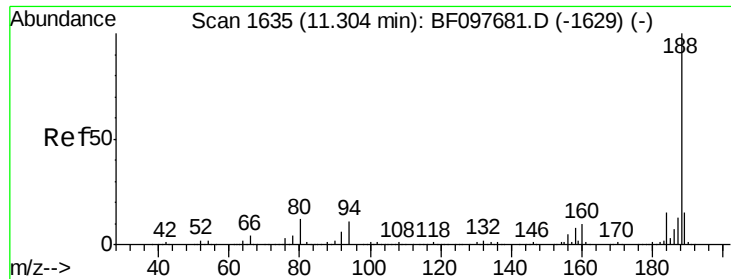
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.3	51.5#
89	1.8	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 7.04 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097692.D
 Acq: 15 Aug 2017 15:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#

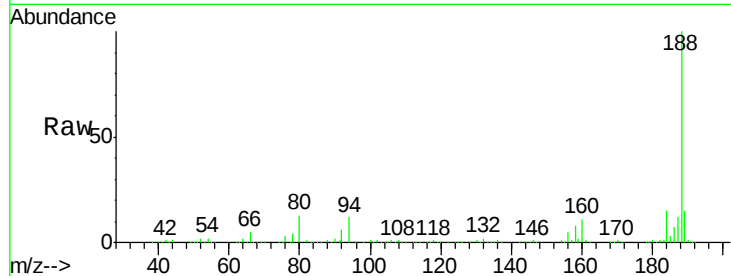




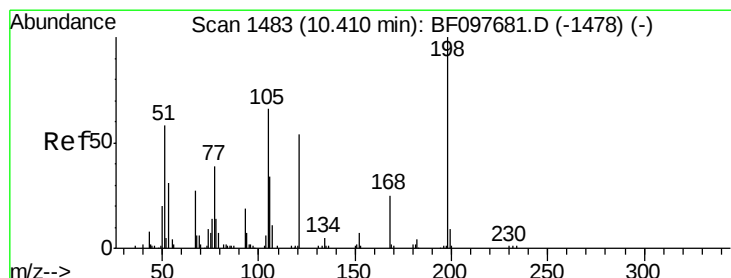
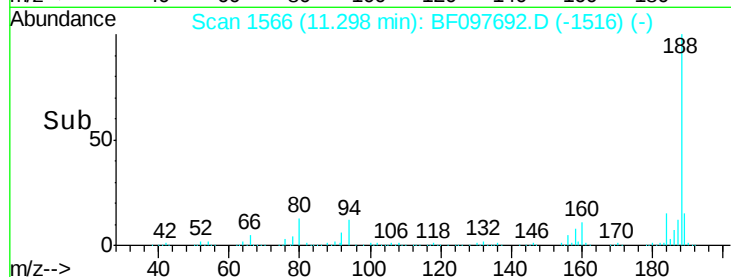
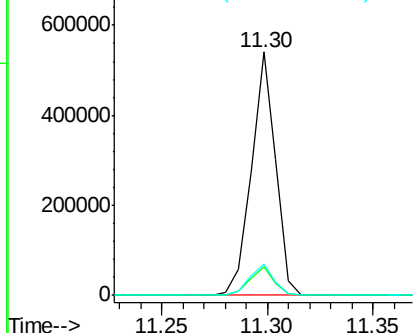
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097692.D
 Acq: 15 Aug 2017 15:45

Instrument :
 BNA_F
 ClientSampleId :
 PB101477BL

Tot Ion:188 Resp: 431034
 Ion Ratio Lower Upper
 188 100
 94 11.8 9.4 14.2
 80 13.0 10.2 15.2

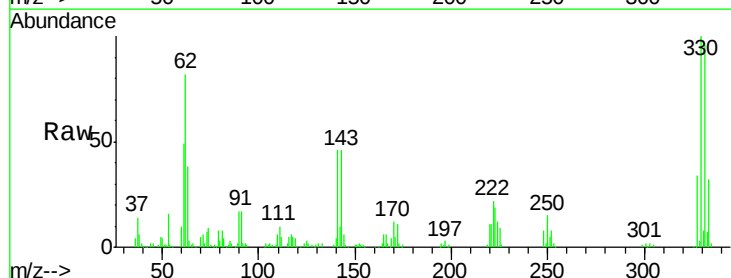


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

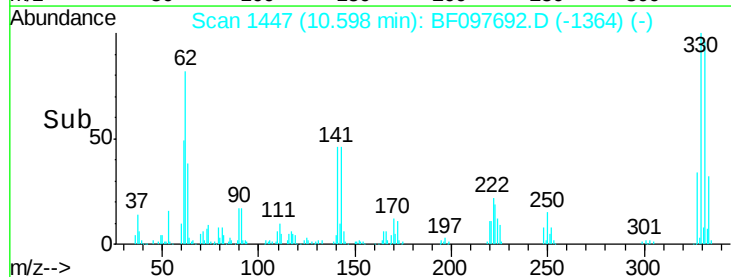
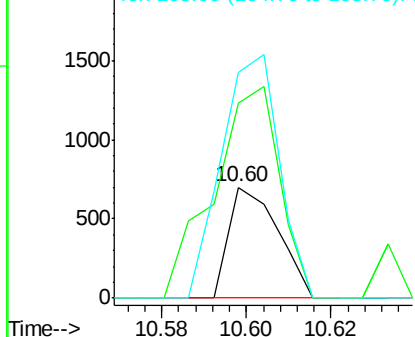


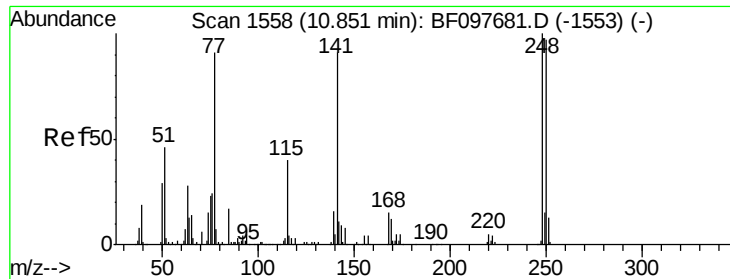
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.55 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF097692.D
 Acq: 15 Aug 2017 15:45

Tgt Ion:198 Resp: 565
 Ion Ratio Lower Upper
 198 100
 51 175.3 53.2 93.2#
 105 203.0 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

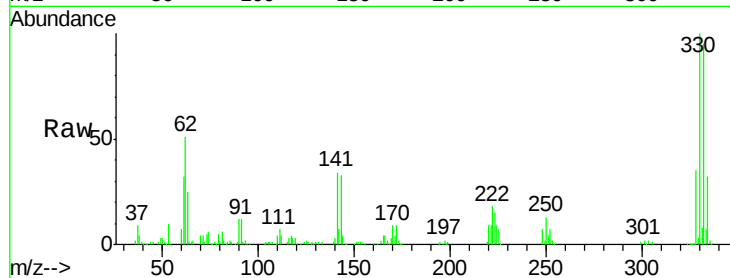




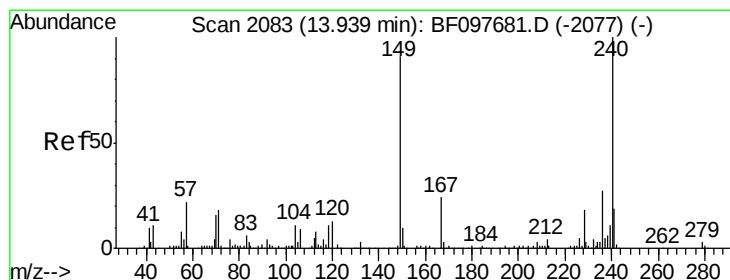
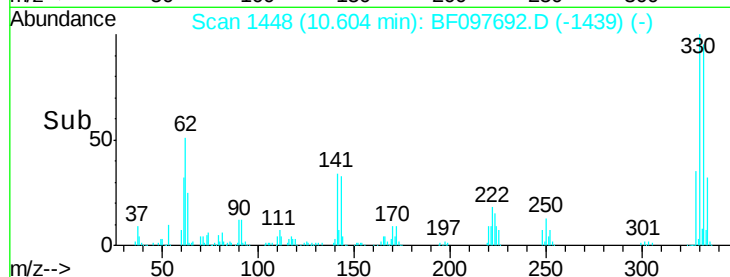
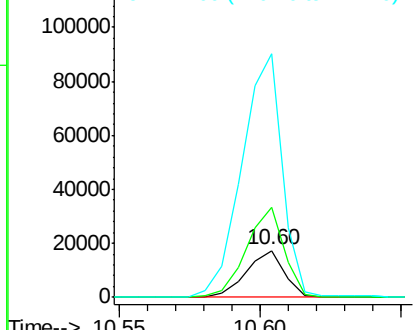
#66
 4-Bromophenyl-phenylether
 Concen: 3.56 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF097692.D
 Acq: 15 Aug 2017 15:45

Instrument :
 BNA_F
 ClientSampleId :
 PB101477BL

Tot Ion:248 Resp: 15927
 Ion Ratio Lower Upper
 248 100
 250 192.7 76.8 115.2#
 141 518.7 68.6 103.0#

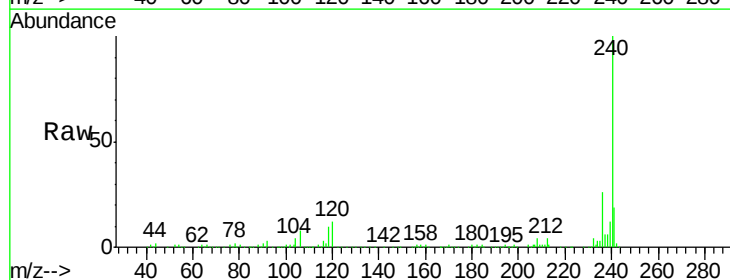


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

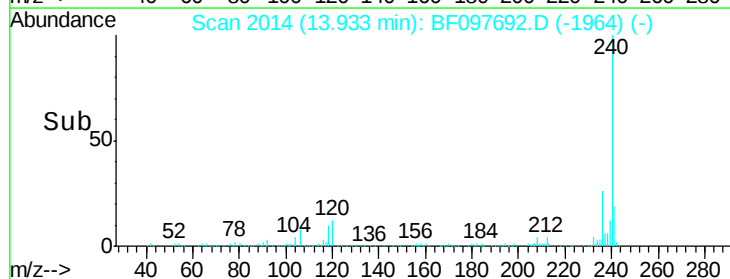
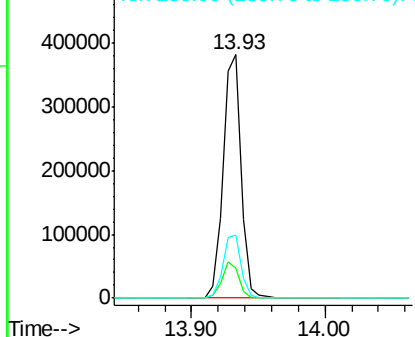


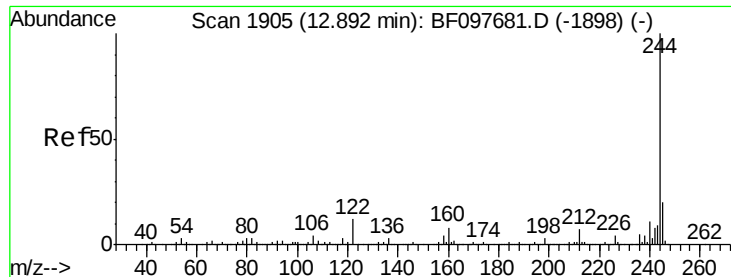
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF097692.D
 Acq: 15 Aug 2017 15:45

Tgt Ion:240 Resp: 365013
 Ion Ratio Lower Upper
 240 100
 120 12.0 5.8 8.8#
 236 25.8 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: 61.14 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

Instrument :

BNA_F

ClientSampled :

PB101477BL

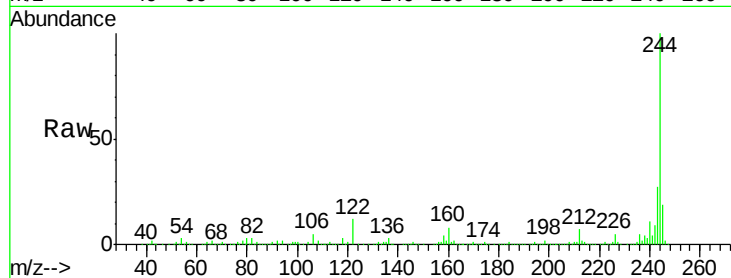
Tot Ion:244 Resp: 1070203

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	12.3	10.3	15.5

244 100

212 7.3 6.0 9.0

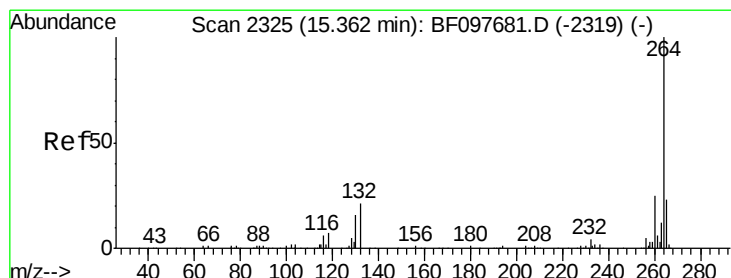
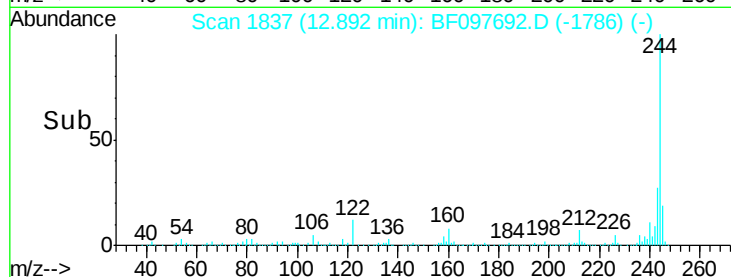
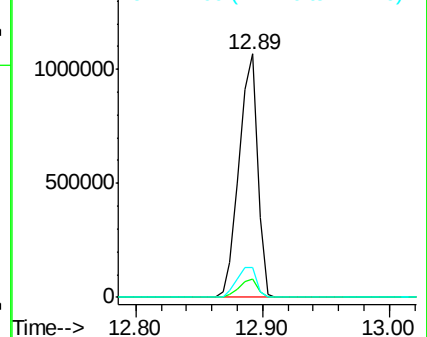
122 12.3 10.3 15.5



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: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF097692.D

Acq: 15 Aug 2017 15:45

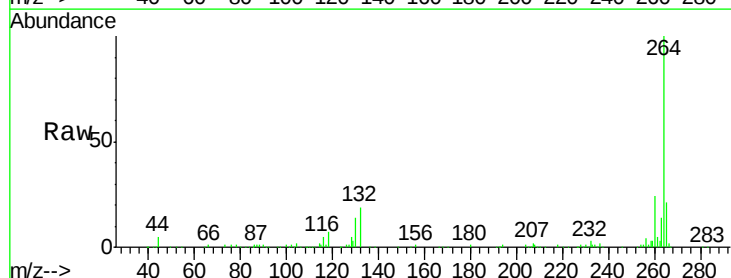
Tgt Ion:264 Resp: 248999

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.3	17.2	25.8

264 100

260 23.6 19.5 29.3

265 21.3 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

