

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097746.D
 Acq On : 16 Aug 2017 18:39
 Operator : SJ/JU
 Sample : I4793-04 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081417-B

Quant Time: Aug 17 01:23:46 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

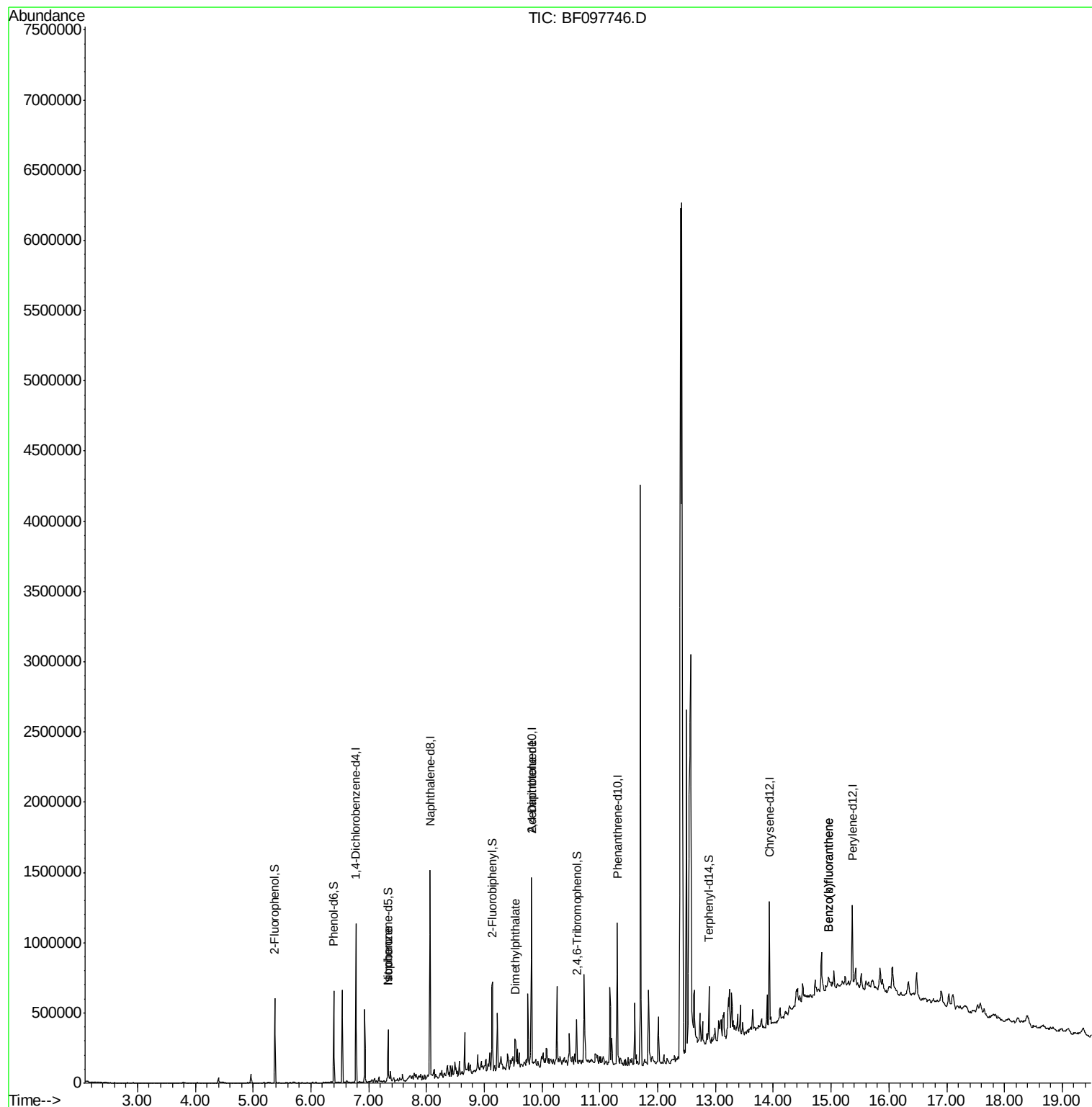
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	142126	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	532034	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	211290	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	324071	20.00	ng	0.00
75) Chrysene-d12	13.93	240	273260	20.00	ng	0.00
86) Perylene-d12	15.37	264	265978	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	144661	15.48	ng	-0.01
7) Phenol-d6	6.40	99	190122	14.98	ng	-0.01
23) Nitrobenzene-d5	7.33	82	112078	11.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	23388	12.76	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	179935	12.51	ng	0.00
78) Terphenyl-d14	12.89	244	105436	8.05	ng	0.00
Target Compounds						
25) Isophorone	7.33	82	110116	5.41	ng	# 68
49) Dimethylphthalate	9.53	163	31255	2.02	ng	# 97
56) 2,4-Dinitrotoluene	9.82	165	30245	7.82	ng	# 35
87) Benzo(b)fluoranthene	14.95	252	34662	2.07	ng	# 58
88) Benzo(k)fluoranthene	14.95	252	34662	2.20	ng	# 63

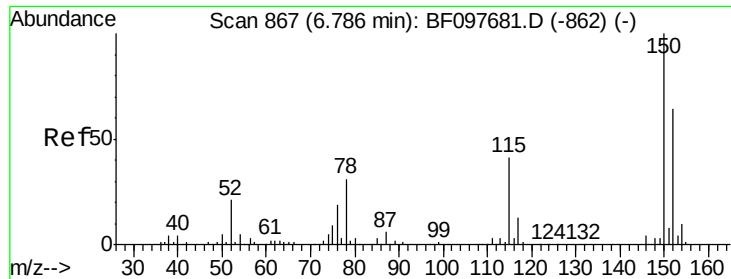
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF097746.D

Acq: 16 Aug 2017 18:39

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-B

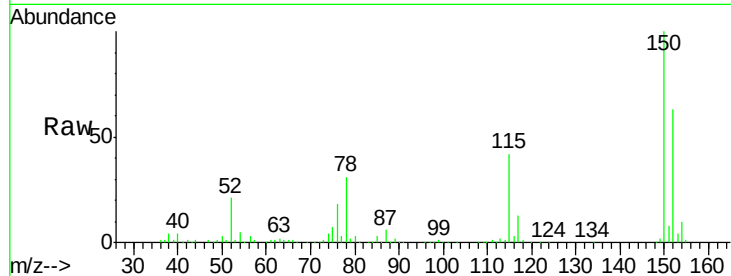
Tot Ion:152 Resp: 142126

Ion Ratio Lower Upper

152 100

150 158.1 126.2 189.2

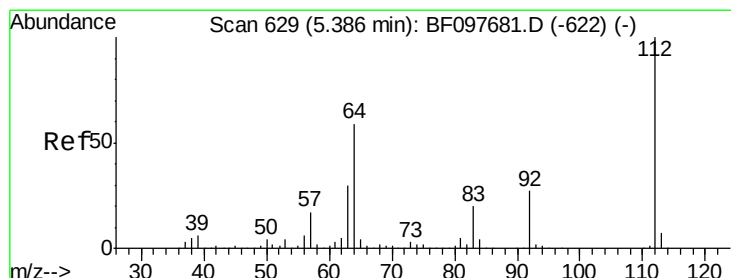
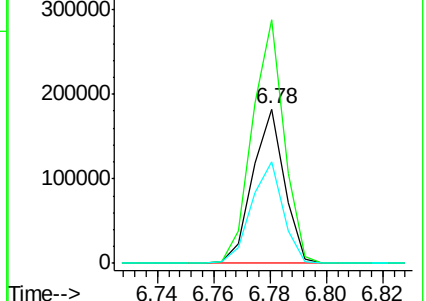
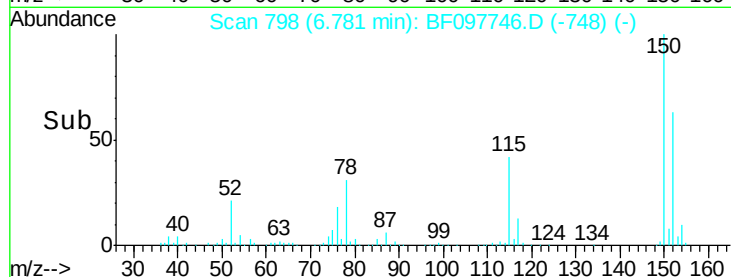
115 65.6 52.2 78.2



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: 15.48 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF097746.D

Acq: 16 Aug 2017 18:39

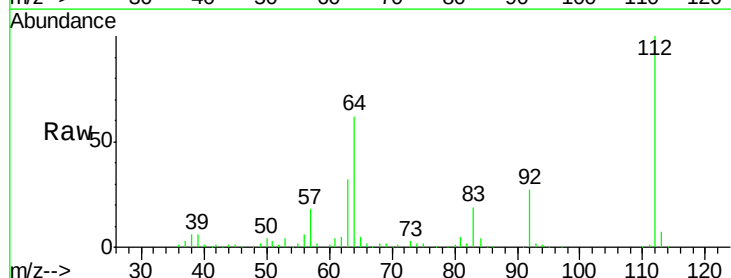
Tgt Ion:112 Resp: 144661

Ion Ratio Lower Upper

112 100

64 61.6 46.0 69.0

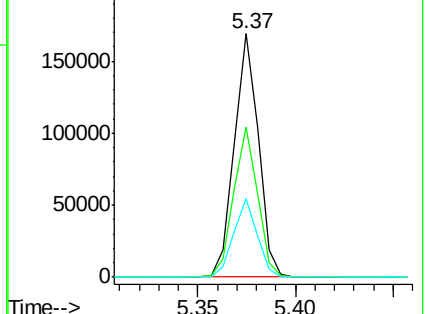
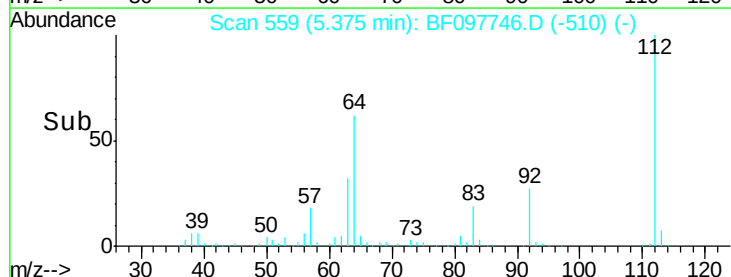
63 32.3 23.4 35.0

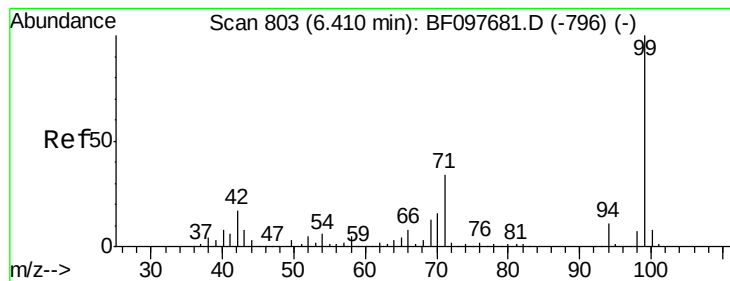


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 14.98 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097746.D

Acq: 16 Aug 2017 18:39

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-B

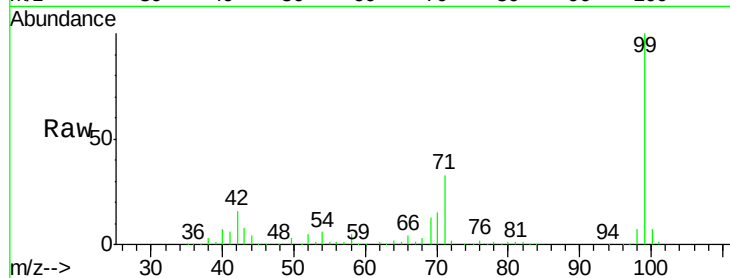
Tot Ion: 99 Resp: 190122

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

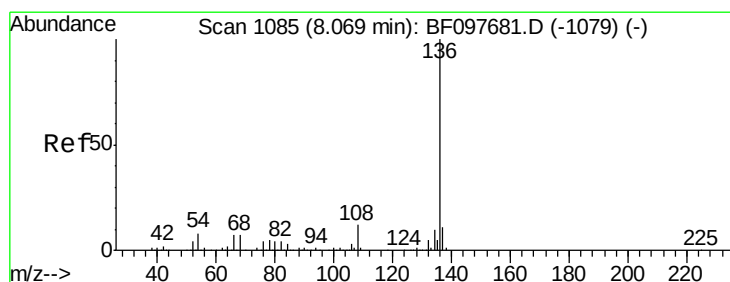
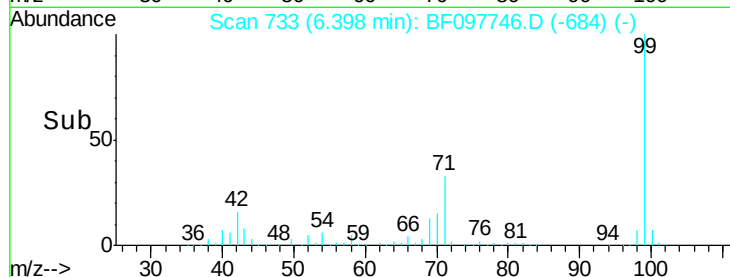
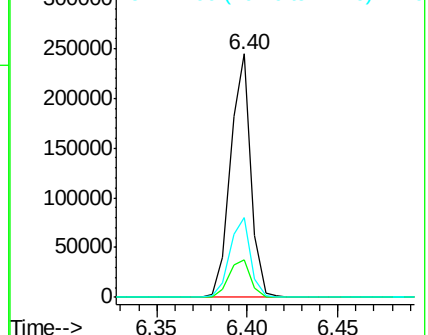
71 32.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097746.D

Acq: 16 Aug 2017 18:39

Tgt Ion: 136 Resp: 532034

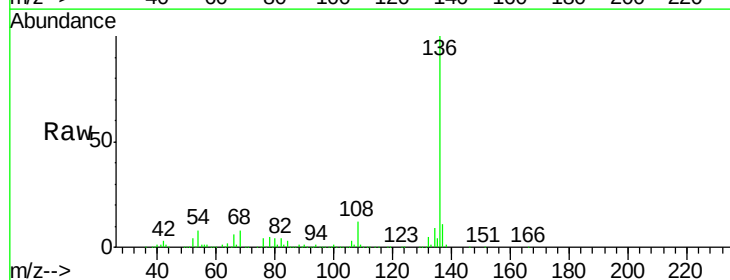
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.6 4.9 7.3#

68 7.7 4.1 6.1#

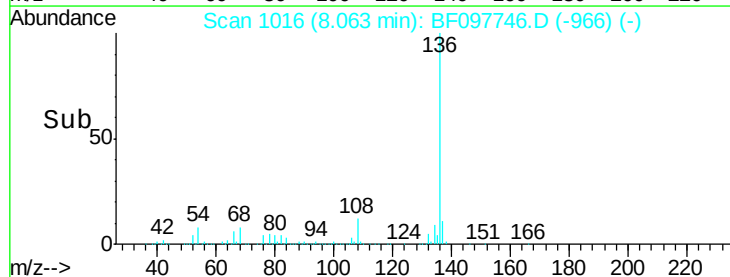
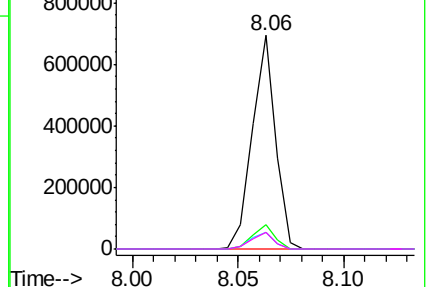


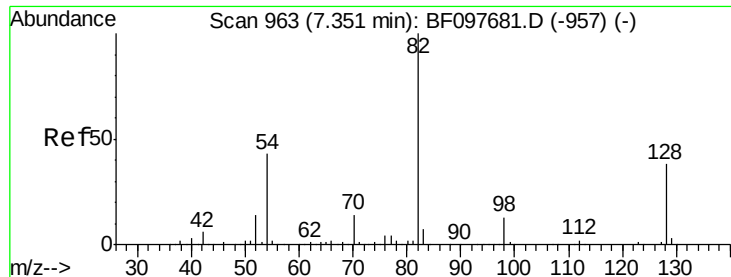
Abundance Ion 136.00 (135.70 to 136.70): E

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

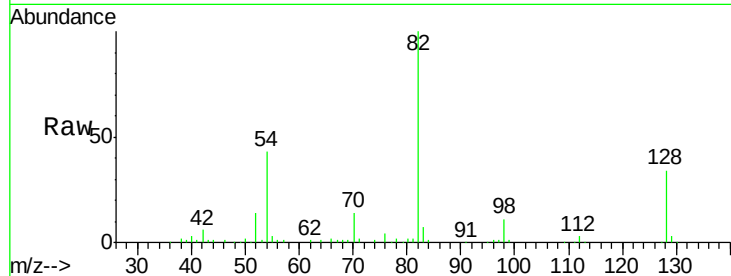




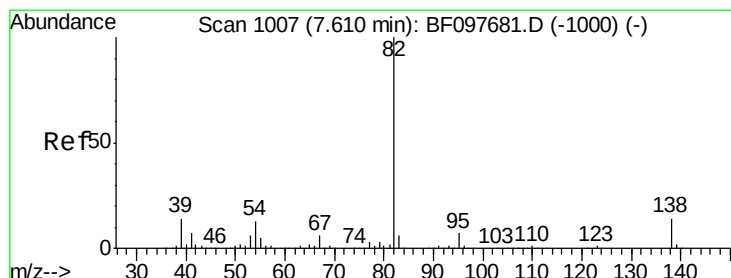
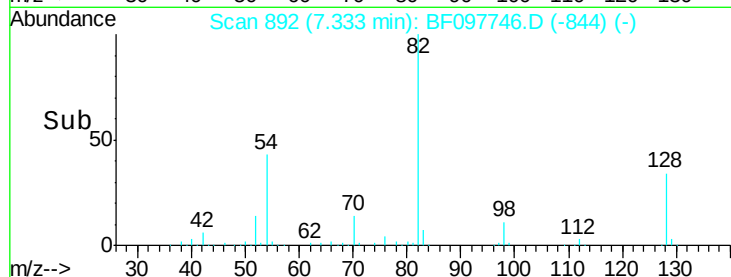
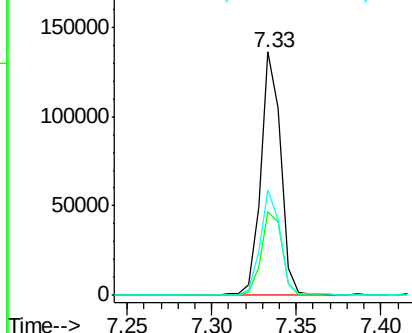
#23
 Nitrobenzene-d5
 Concen: 11.44 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097746.D
 Acq: 16 Aug 2017 18:39

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081417-B

Tot Ion	82	Resp	112078
Ion Ratio	Lower	Upper	
82	100		
128	34.1	34.0	51.0
54	43.5	42.2	63.2

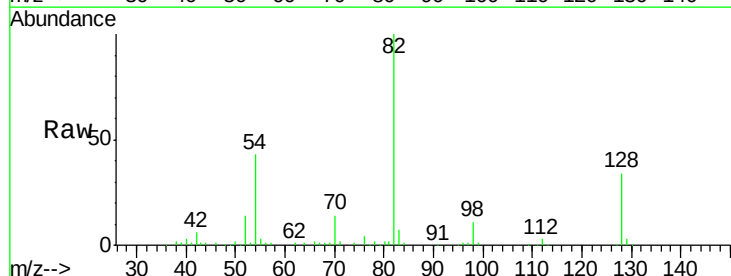


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

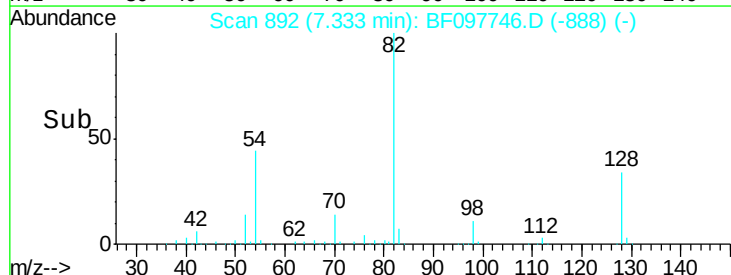
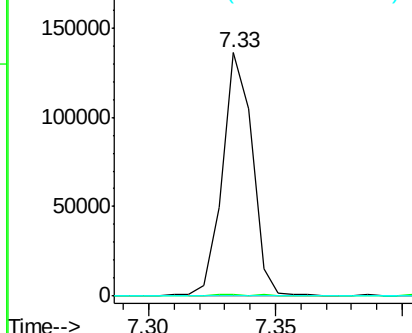


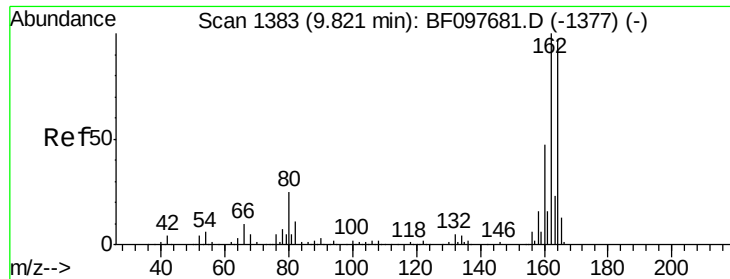
#25
 Isophorone
 Concen: 5.41 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.28 min
 Lab File: BF097746.D
 Acq: 16 Aug 2017 18:39

Tgt Ion	82	Resp	110116
Ion Ratio	Lower	Upper	
82	100		
95	0.5	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097746.D

Acq: 16 Aug 2017 18:39

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-B

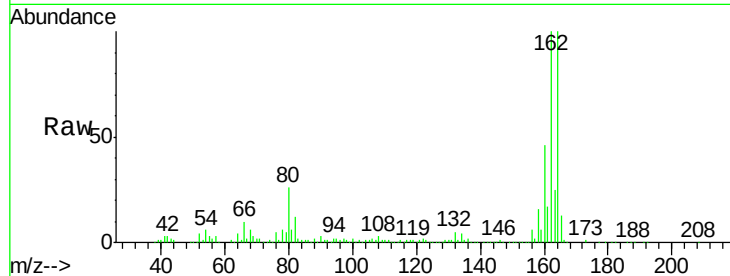
Tot Ion:164 Resp: 211290

Ion Ratio Lower Upper

164 100

162 99.6 82.6 123.8

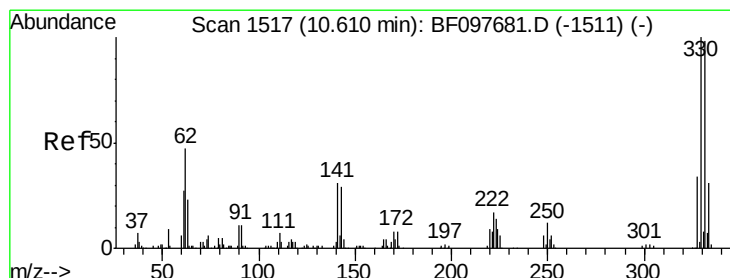
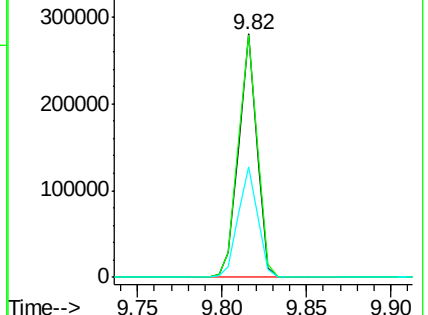
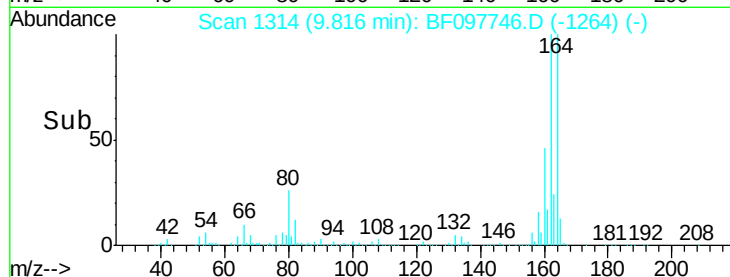
160 45.6 36.2 54.2



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: 12.76 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097746.D

Acq: 16 Aug 2017 18:39

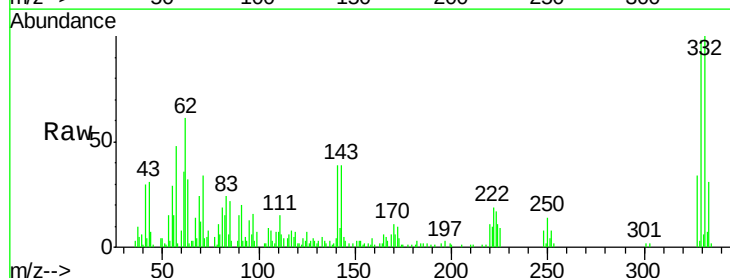
Tgt Ion:330 Resp: 23388

Ion Ratio Lower Upper

330 100

332 99.5 76.6 115.0

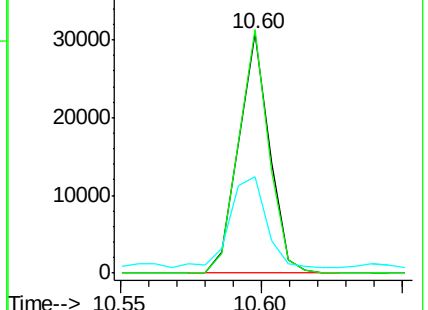
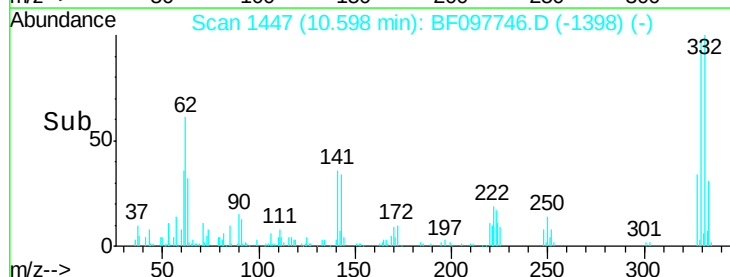
141 45.2 31.4 47.2

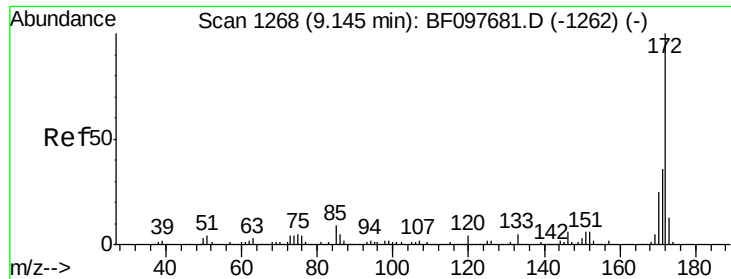


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

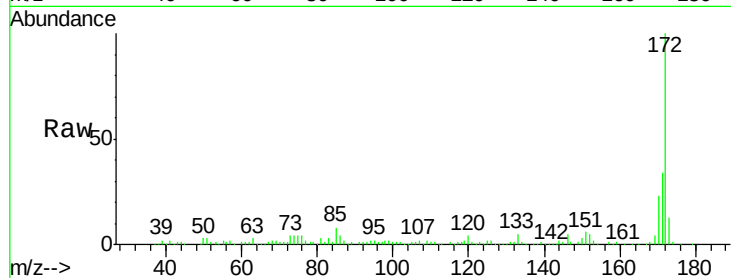




#44
2-Fluorobiphenyl
Concen: 12.51 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF097746.D
Acq: 16 Aug 2017 18:39

Instrument :
BNA_F
ClientSampleId :
EO-02-081417-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.6	44.4
170	22.9	19.8	29.8

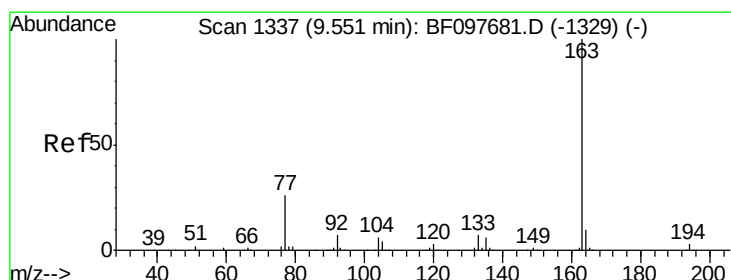
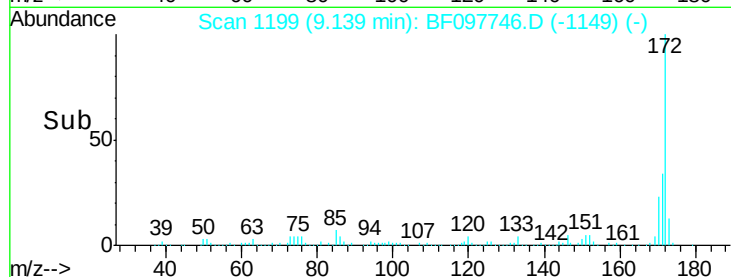
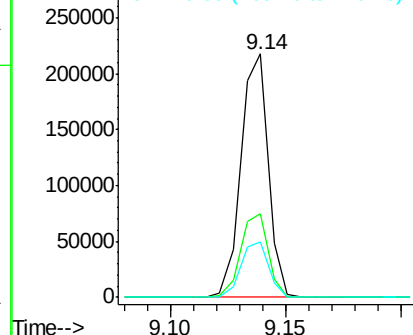


Abundance

Ion 172.00 (171.70 to 172.70): E

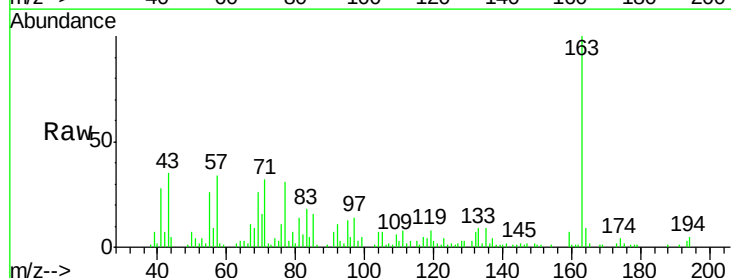
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 2.02 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF097746.D
Acq: 16 Aug 2017 18:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	2.6	4.0#
164	9.4	8.4	12.6

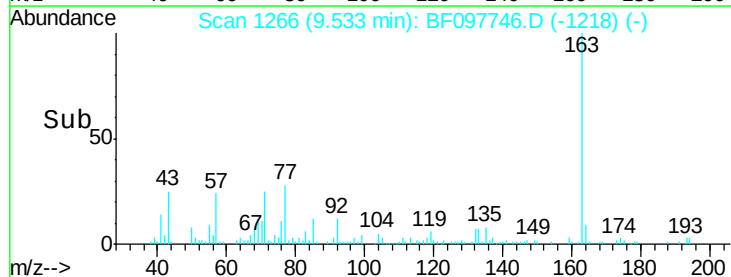
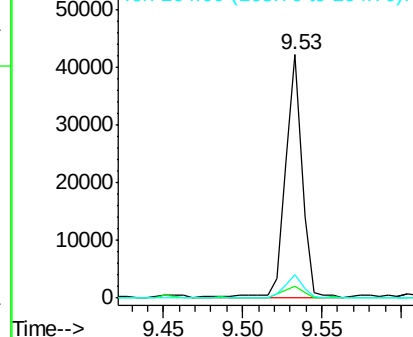


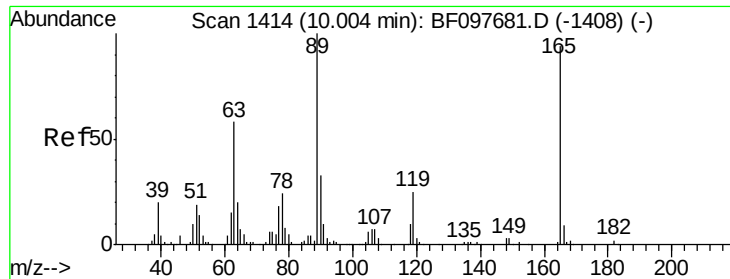
Abundance

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: 7.82 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BF097746.D

Acq: 16 Aug 2017 18:39

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-B

Tot Ion:165 Resp: 30245

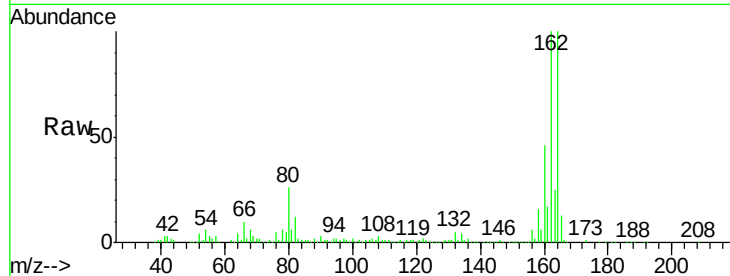
Ion Ratio Lower Upper

165 100

63 2.6 25.4 38.0#

89 2.6 46.4 69.6#

182 1.7 1.8 2.6#

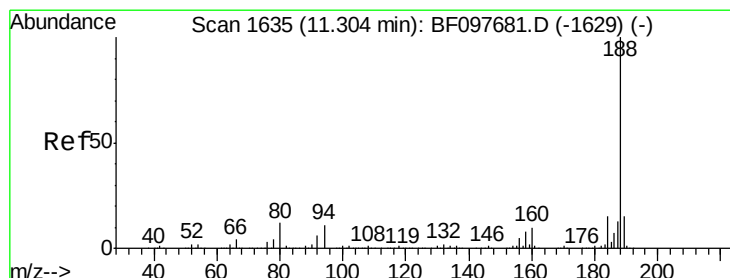
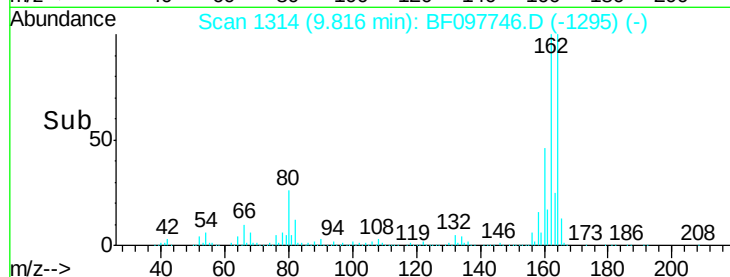
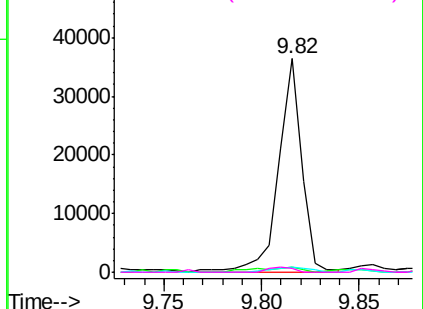


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF097746.D

Acq: 16 Aug 2017 18:39

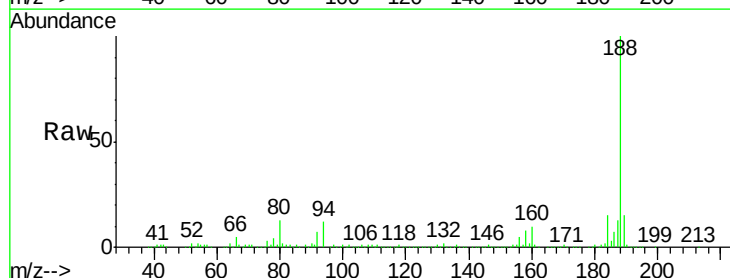
Tgt Ion:188 Resp: 324071

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

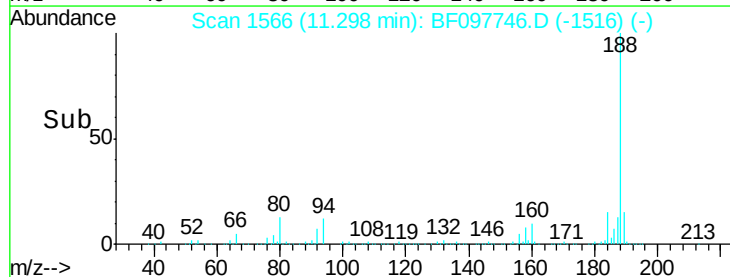
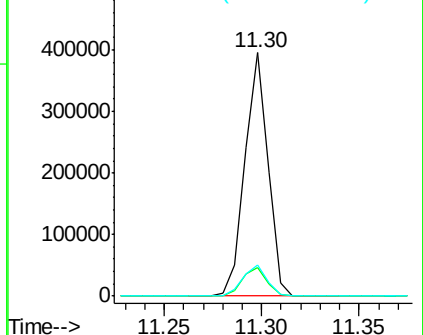
80 12.7 10.2 15.2

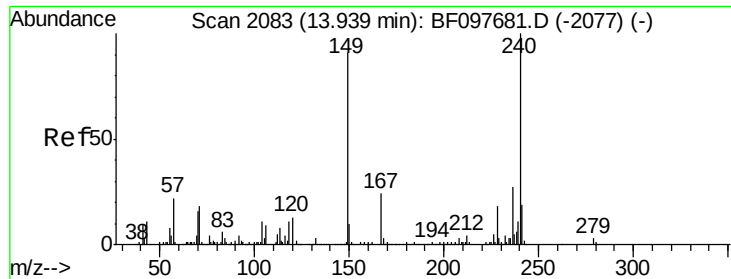


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097746.D

Acq: 16 Aug 2017 18:39

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-B

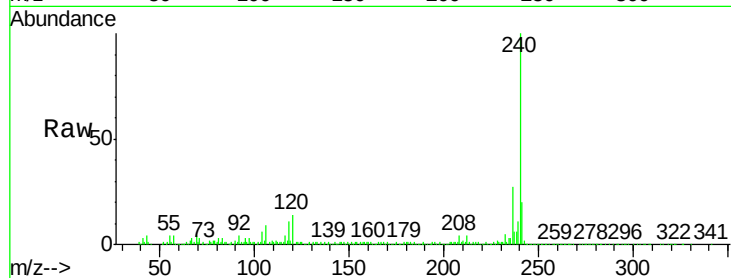
Tot Ion:240 Resp: 273260

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

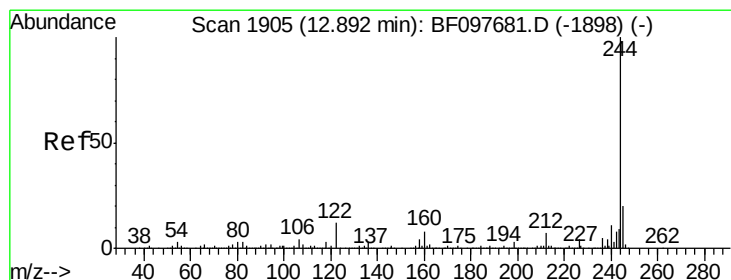
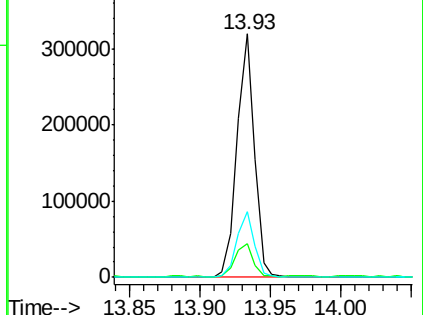
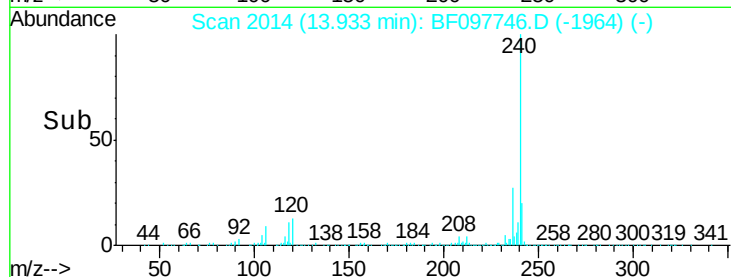
236 27.1 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 8.05 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097746.D

Acq: 16 Aug 2017 18:39

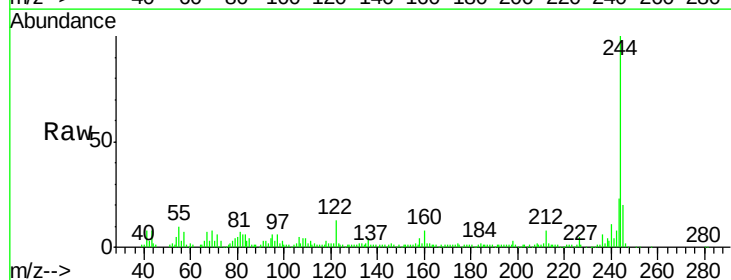
Tgt Ion:244 Resp: 105436

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

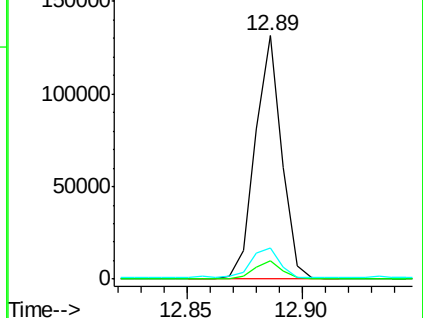
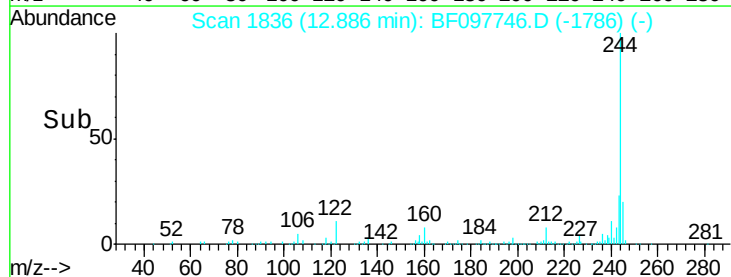
122 12.6 10.3 15.5

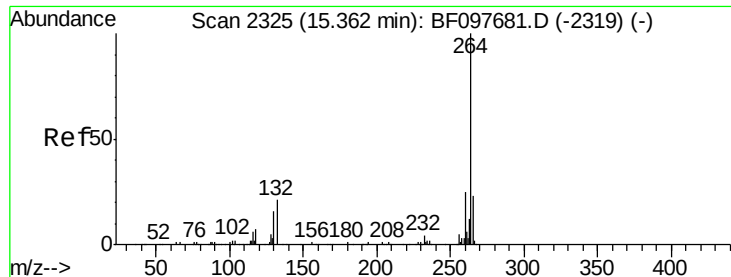


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

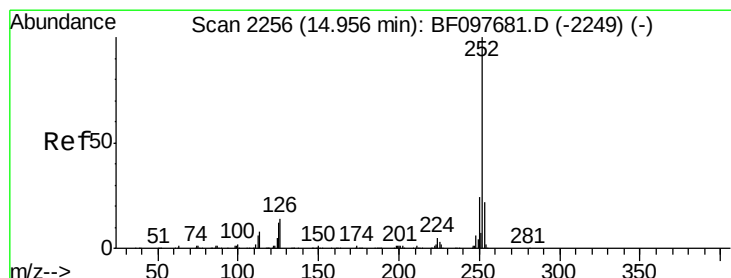
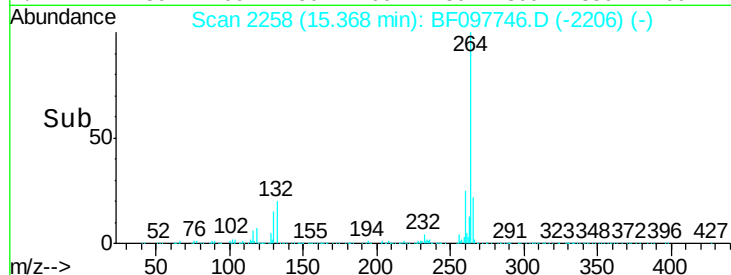
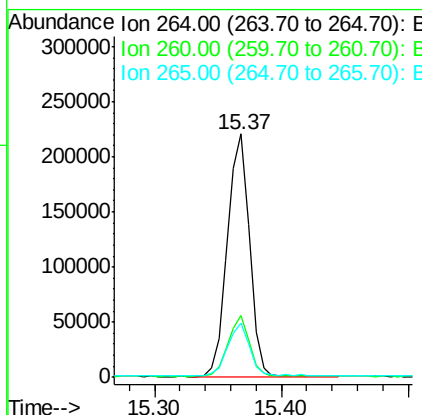
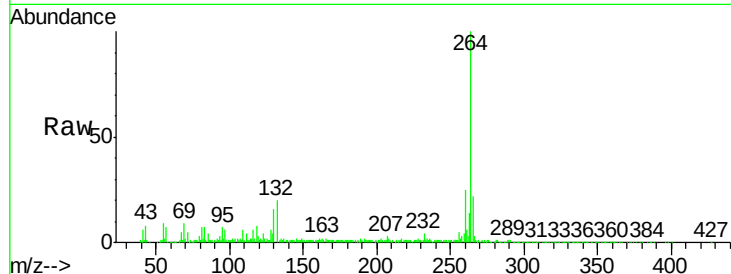




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097746.D
Acq: 16 Aug 2017 18:39

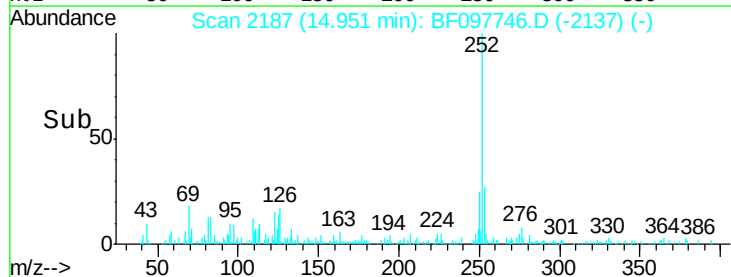
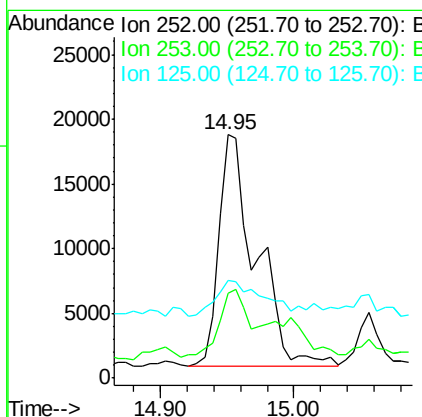
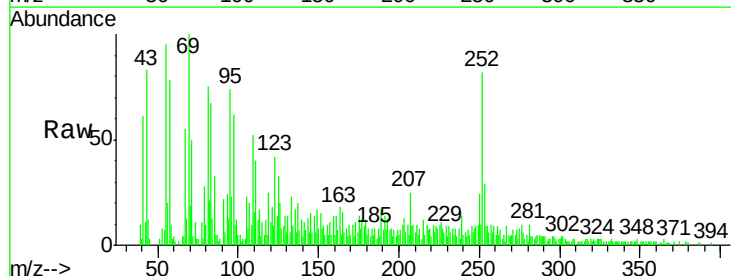
Instrument :
BNA_F
ClientSampleId :
EO-02-081417-B

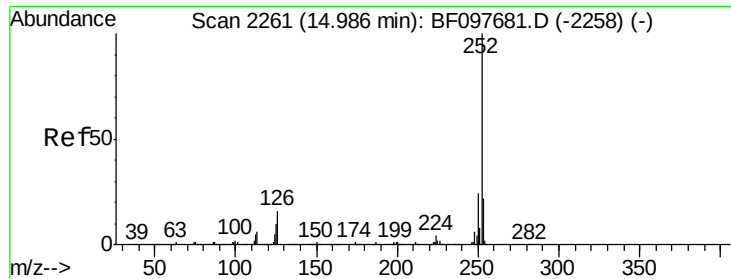
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	22.2	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.07 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097746.D
Acq: 16 Aug 2017 18:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.0	18.1	27.1#
125	40.0	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.20 ng

RT: 14.95 min Scan# 2187

Delta R.T. -0.04 min

Lab File: BF097746.D

Acq: 16 Aug 2017 18:39

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-B

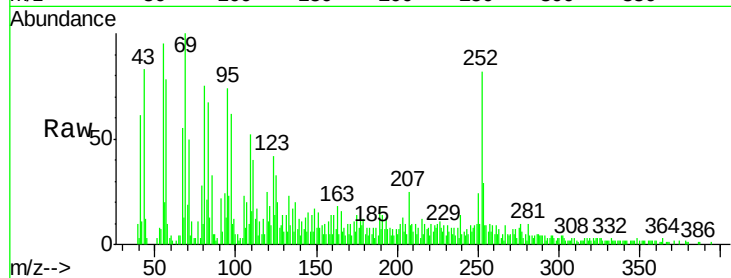
Tot Ion:252 Resp: 34662

Ion Ratio Lower Upper

252 100

253 35.0 18.4 27.6#

125 40.0 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

