

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097241.D
 Acq On : 1 Aug 2017 19:42
 Operator : SJ/JU
 Sample : I4508-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-6

Quant Time: Aug 02 05:12:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

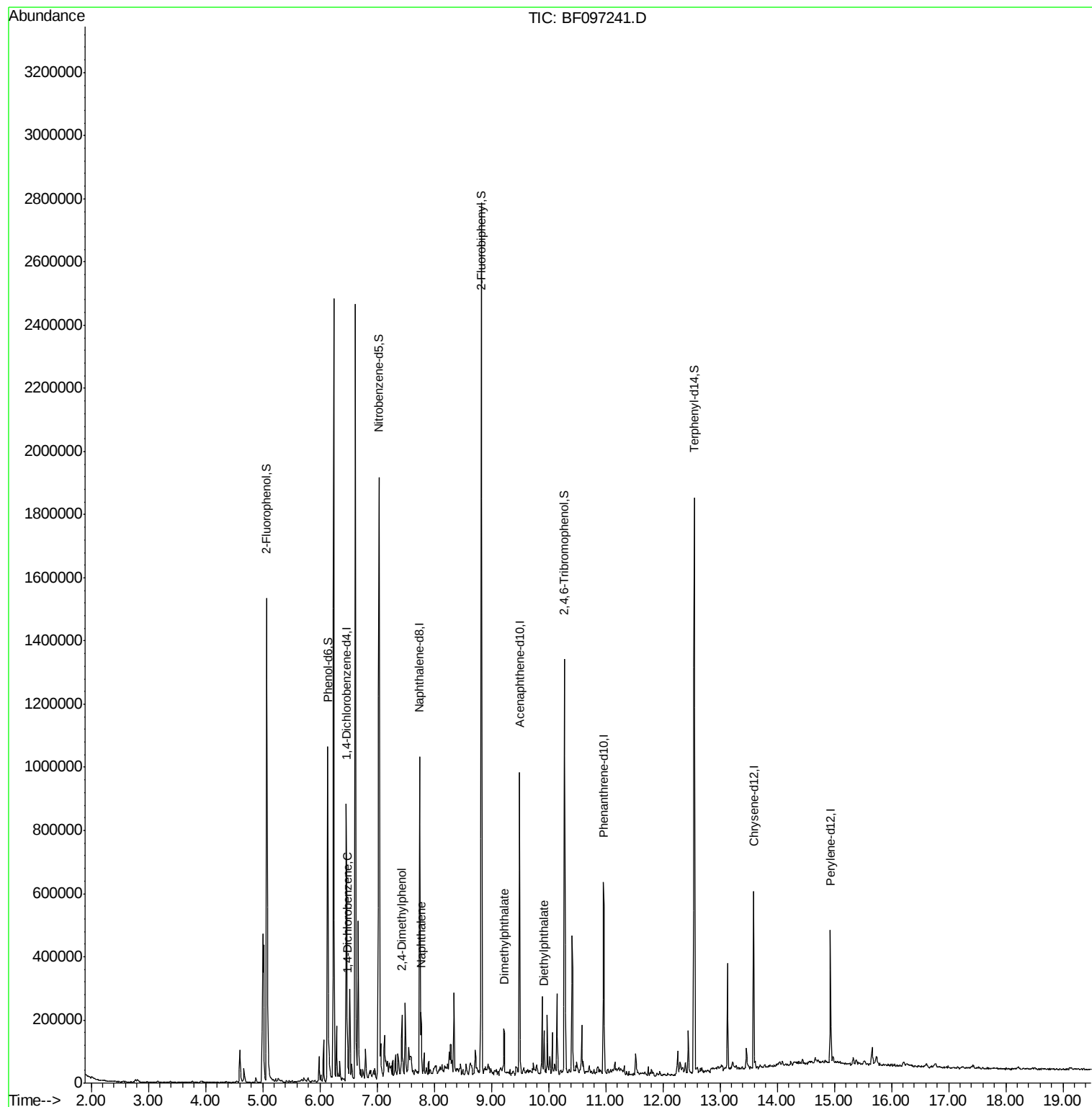
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	108529	20.00	ng	-0.04
21) Naphthalene-d8	7.75	136	433035	20.00	ng	-0.04
38) Acenaphthene-d10	9.49	164	165707	20.00	ng	-0.04
63) Phenanthrene-d10	10.96	188	209446	20.00	ng	-0.04
75) Chrysene-d12	13.59	240	191939	20.00	ng	-0.04
86) Perylene-d12	14.93	264	154567	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	490428	68.12	ng	-0.03
7) Phenol-d6	6.14	99	408328	49.68	ng	-0.03
23) Nitrobenzene-d5	7.03	82	644028	87.25	ng	-0.04
41) 2,4,6-Tribromophenol	10.28	330	141779	108.29	ng	-0.04
44) 2-Fluorobiphenyl	8.83	172	884537	90.59	ng	-0.04
78) Terphenyl-d14	12.55	244	555073	58.96	ng	-0.04
Target Compounds						
13) 1,4-Dichlorobenzene	6.48	146	32550	3.959	ng	94
27) 2,4-Dimethylphenol	7.43	122	27451	4.001	ng	94
31) Naphthalene	7.77	128	51600	2.528	ng	98
49) Dimethylphthalate	9.23	163	57804	4.594	ng	98
59) Diethylphthalate	9.92	149	47671	4.129	ng	96

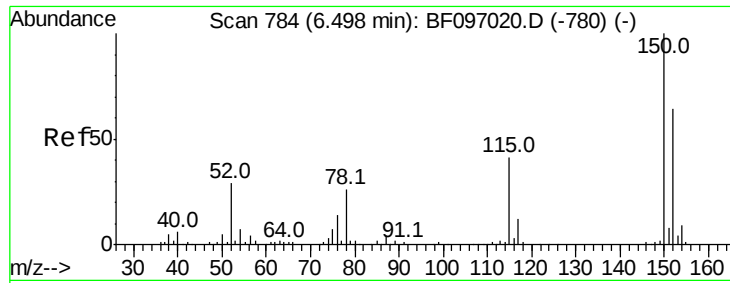
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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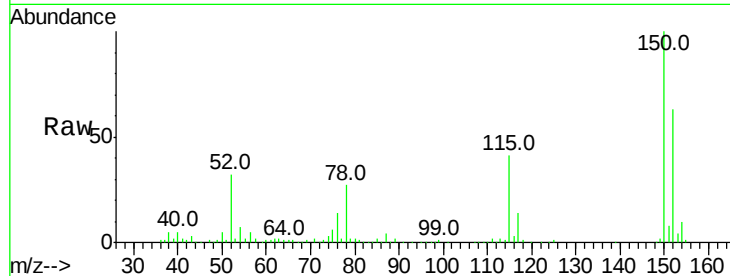


#1

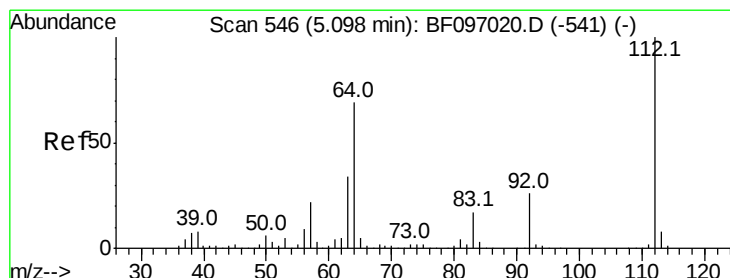
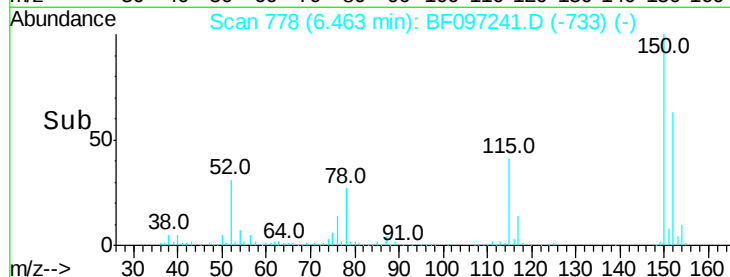
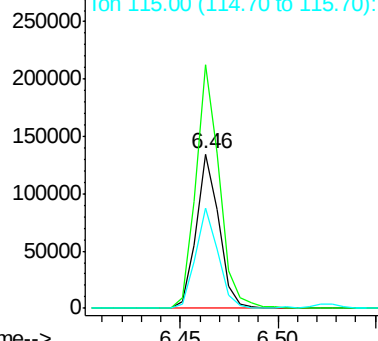
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.46 min Scan# 778
 Delta R.T. -0.04 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:152 Resp: 108529
 Ion Ratio Lower Upper
 152 100
 150 157.7 126.2 189.2
 115 65.2 52.2 78.2



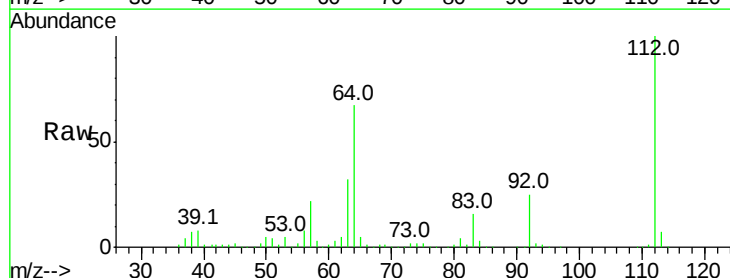
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



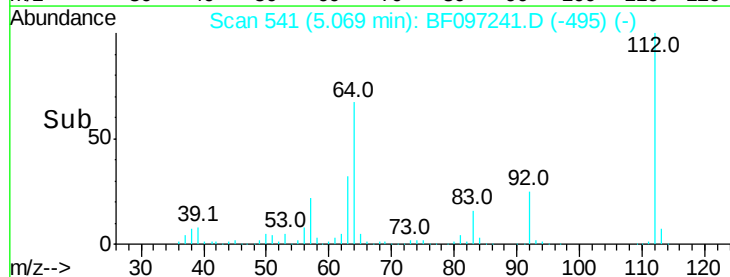
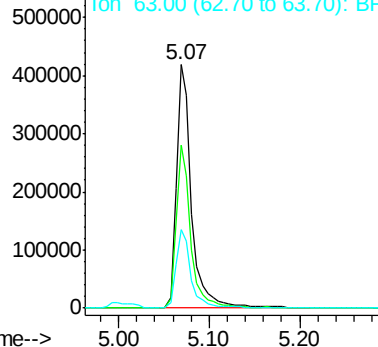
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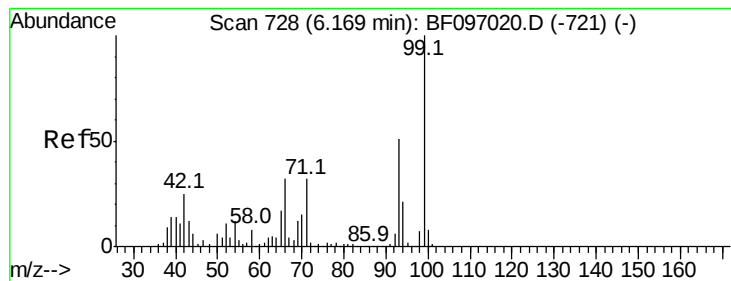
2-Fluorophenol
 Concen: 68.121 ng
 RT: 5.07 min Scan# 541
 Delta R.T. -0.03 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

Tgt Ion:112 Resp: 490428
 Ion Ratio Lower Upper
 112 100
 64 66.9 46.0 69.0
 63 32.4 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: 49.682 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

Instrument :

BNA_F

ClientSampleId :

MH-6

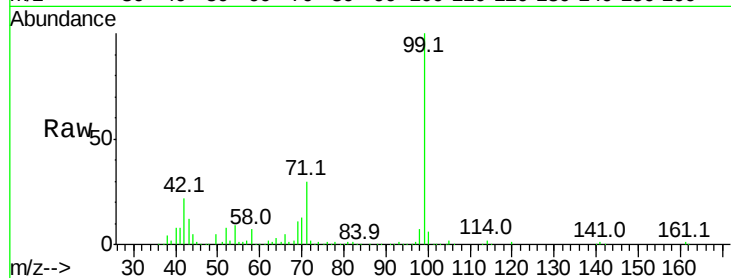
Tot Ion: 99 Resp: 408328

Ion Ratio Lower Upper

99 100

42 22.2 13.5 20.3#

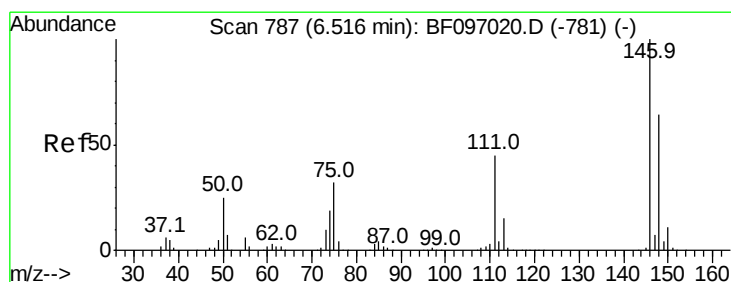
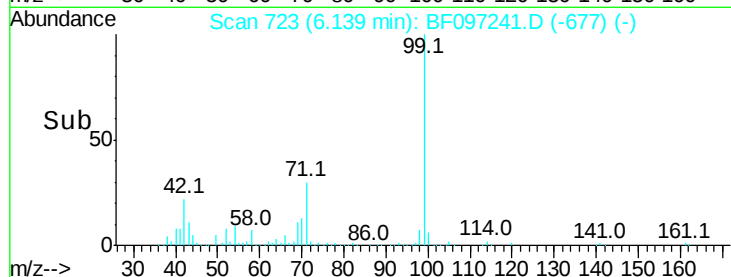
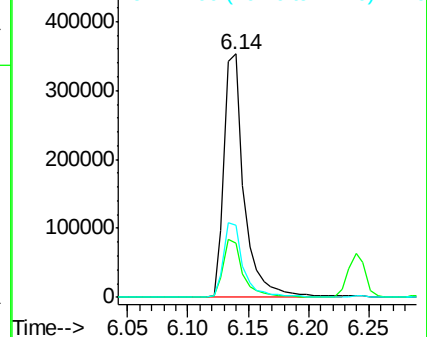
71 29.8 24.5 36.7



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



#13

1,4-Dichlorobenzene

Concen: 3.959 ng

RT: 6.48 min Scan# 781

Delta R.T. -0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

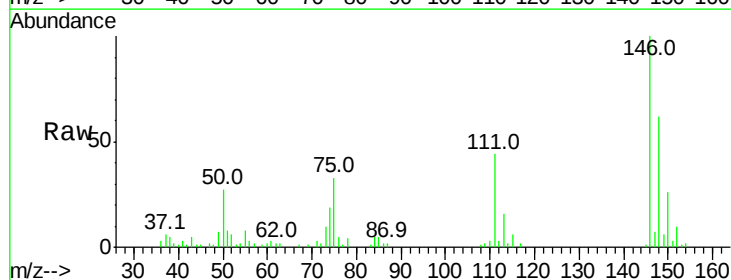
Tgt Ion: 146 Resp: 32550

Ion Ratio Lower Upper

146 100

148 62.1 52.2 78.2

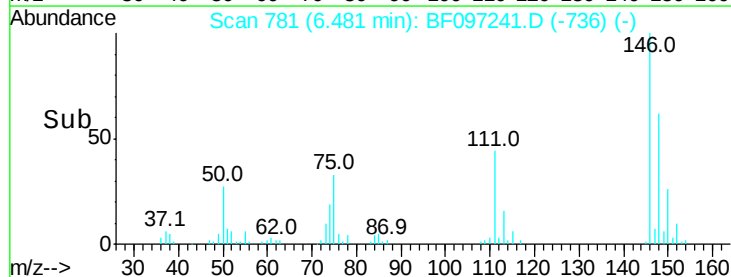
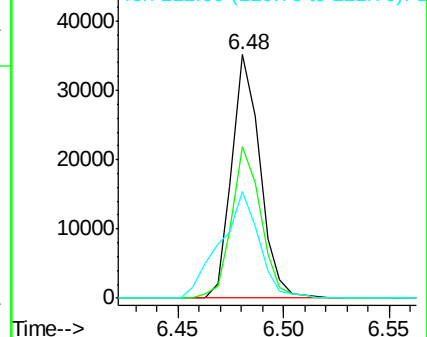
111 43.9 30.3 45.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.75 min Scan# 996

Delta R.T. -0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:136 Resp: 433035

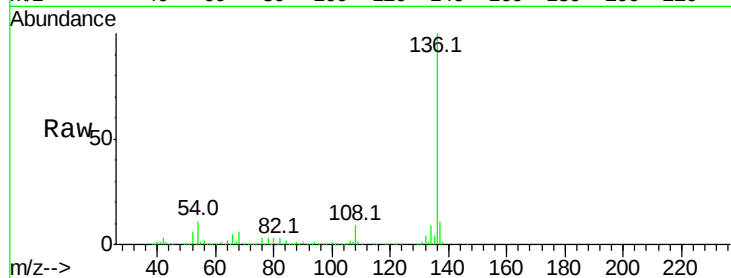
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.1 4.9 7.3#

68 6.3 4.1 6.1#

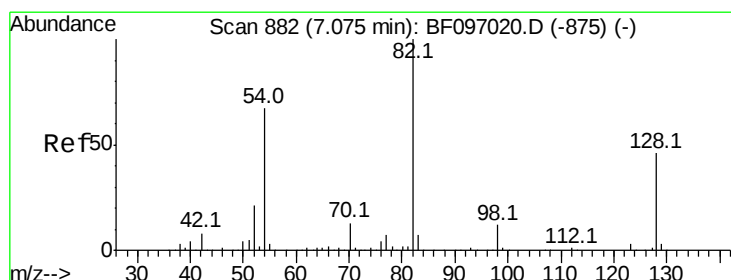
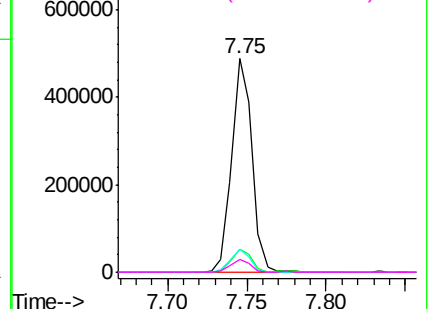
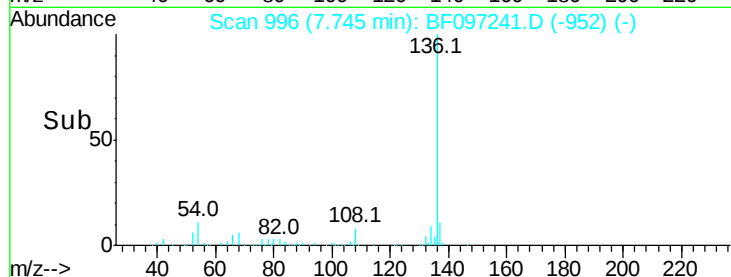


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.248 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

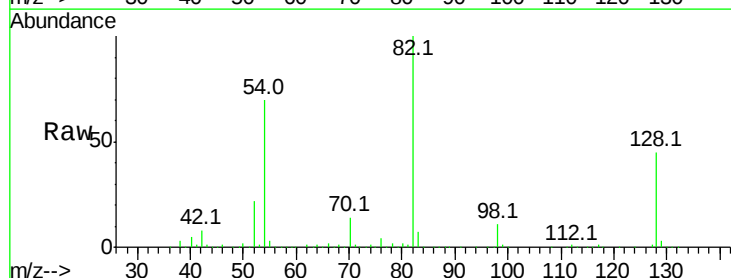
Tgt Ion: 82 Resp: 644028

Ion Ratio Lower Upper

82 100

128 45.1 34.0 51.0

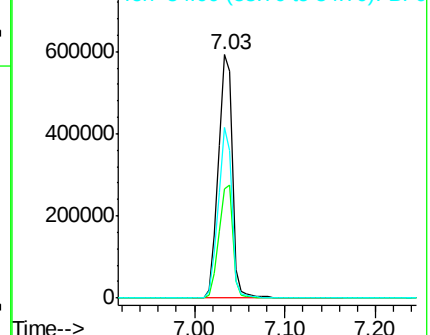
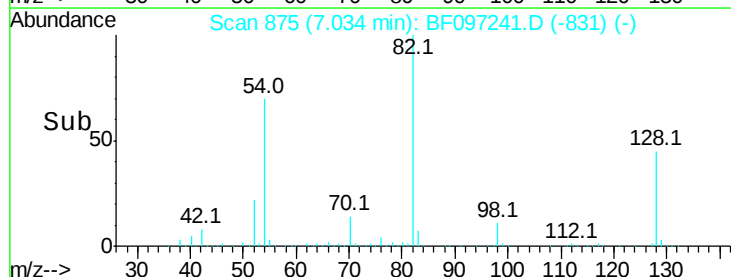
54 69.9 42.2 63.2#

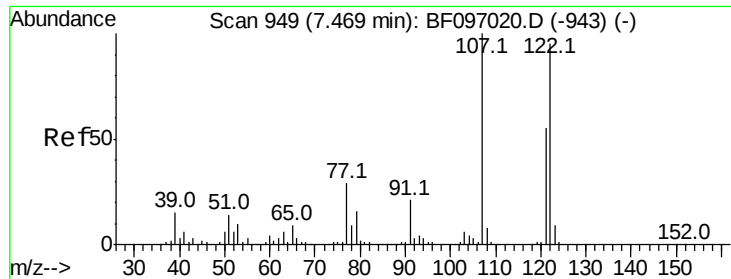


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

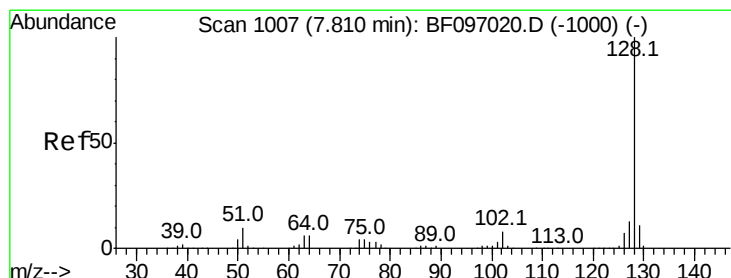
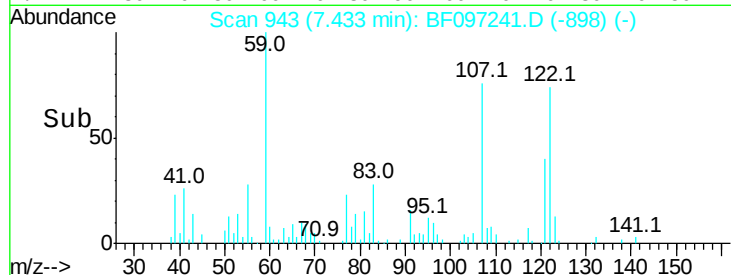
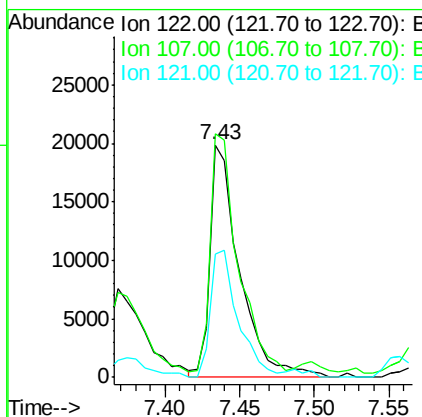
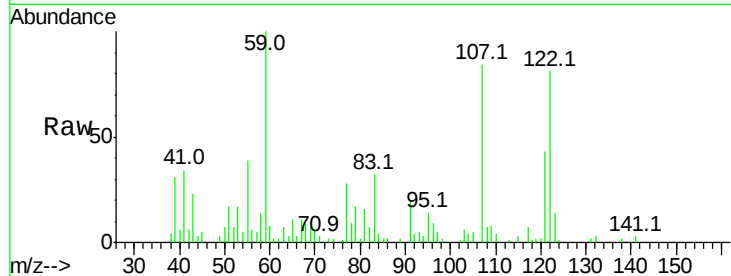




#27
 2,4-Dimethylphenol
 Concen: 4.001 ng
 RT: 7.43 min Scan# 943
 Delta R.T. -0.04 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

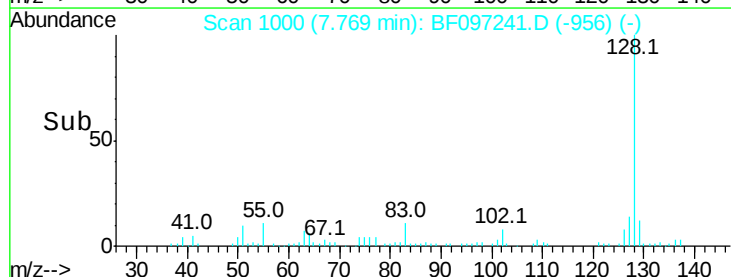
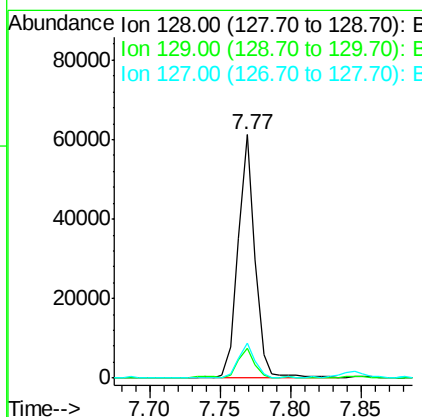
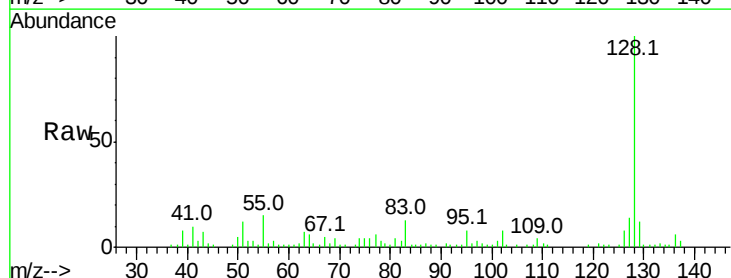
Instrument :
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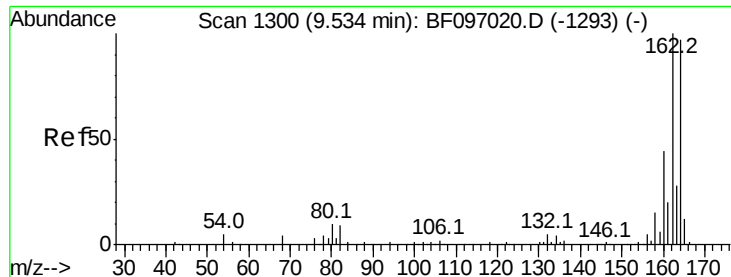
Tot Ion:122 Resp: 27451
 Ion Ratio Lower Upper
 122 100
 107 104.8 89.2 133.8
 121 53.0 45.2 67.8



#31
 Naphthalene
 Concen: 2.528 ng
 RT: 7.77 min Scan# 1000
 Delta R.T. -0.04 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

Tgt Ion:128 Resp: 51600
 Ion Ratio Lower Upper
 128 100
 129 12.2 9.0 13.6
 127 14.3 10.8 16.2

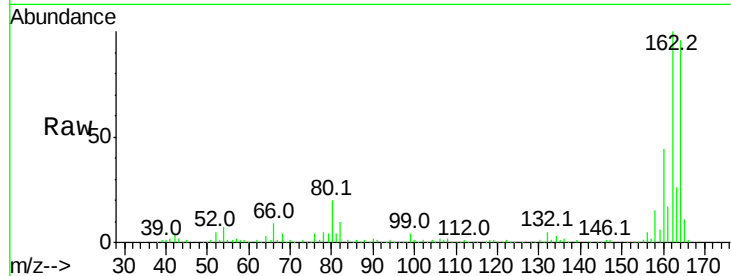




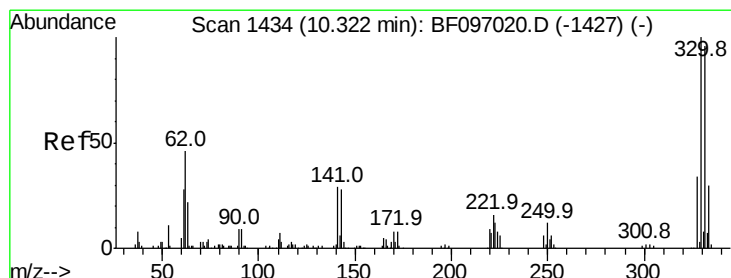
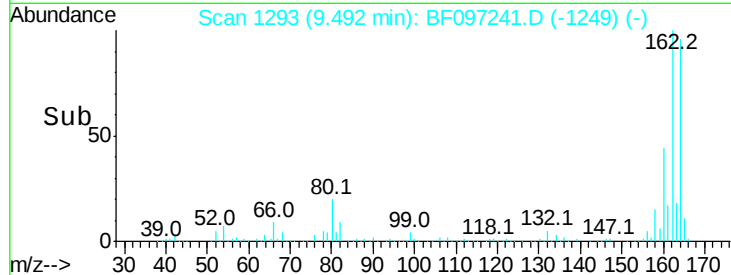
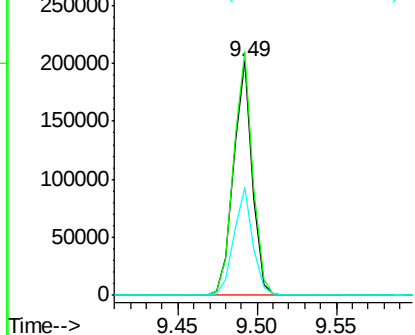
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.04 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

Instrument :
 BNA_F
 ClientSampled :
 MH-6

Tot Ion:164 Resp: 165707
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.6 123.8
 160 46.0 36.2 54.2

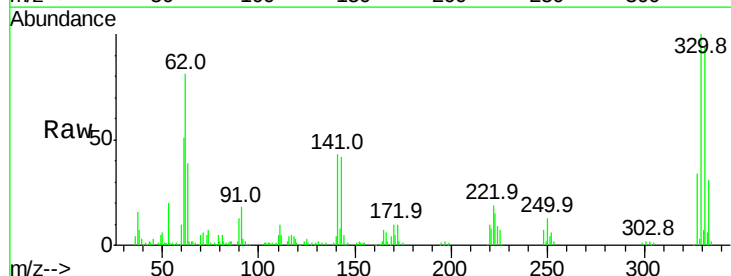


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

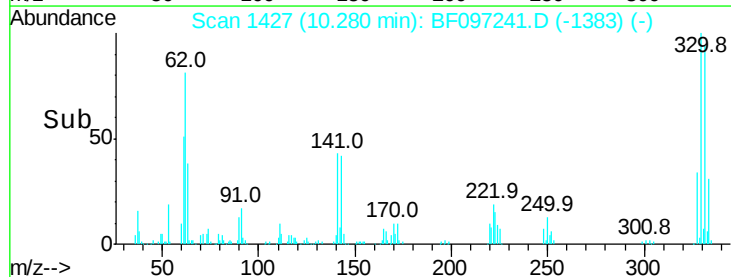
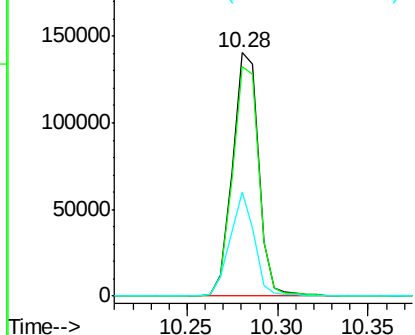


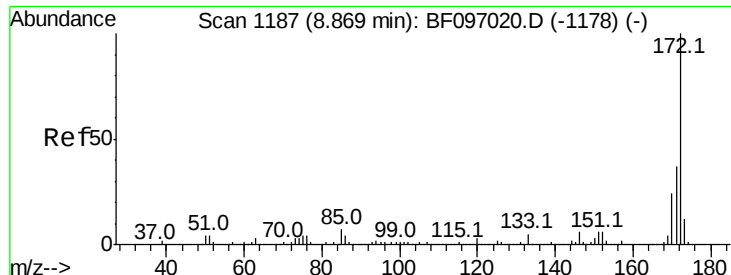
#41
 2,4,6-Tribromophenol
 Concen: 108.291 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.04 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

Tgt Ion:330 Resp: 141779
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 40.0 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

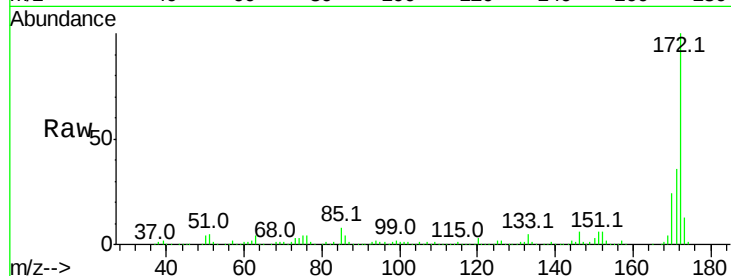




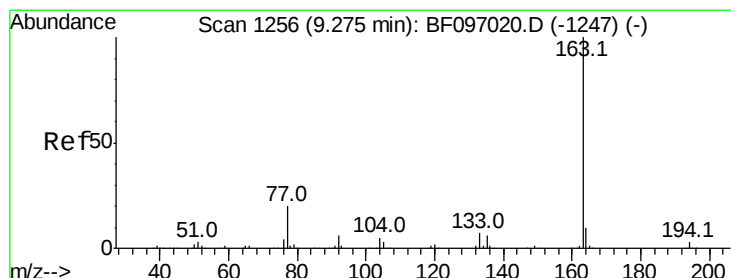
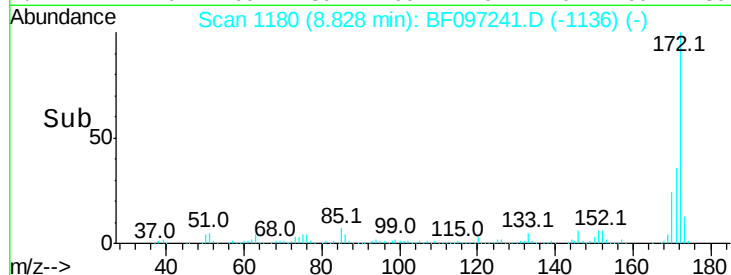
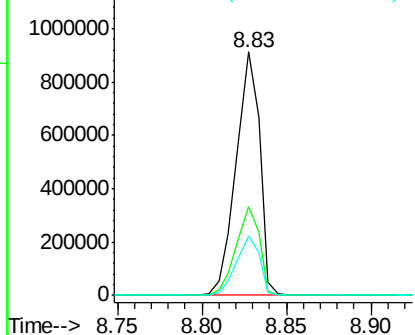
#44
 2-Fluorobiphenyl
 Concen: 90.590 ng
 RT: 8.83 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

Instrument :
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 ClientSampleId :
 MH-6

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.2	19.8	29.8

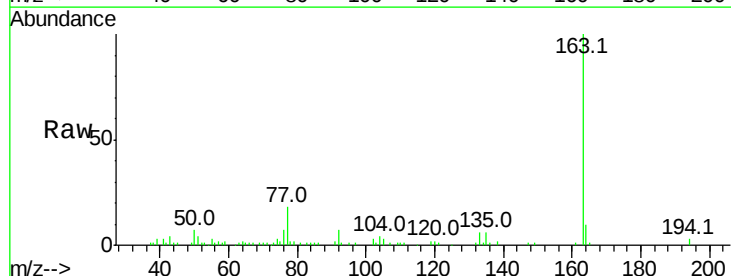


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

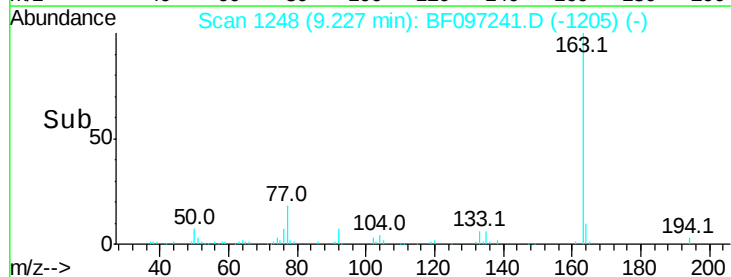
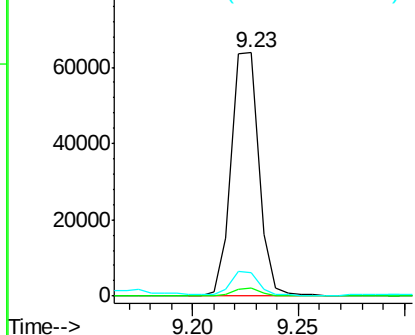


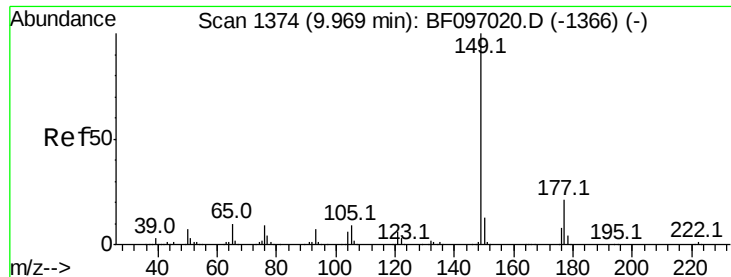
#49
 Dimethylphthalate
 Concen: 4.594 ng
 RT: 9.23 min Scan# 1248
 Delta R.T. -0.05 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.8	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

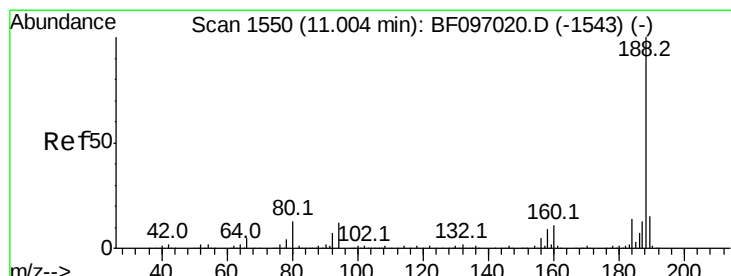
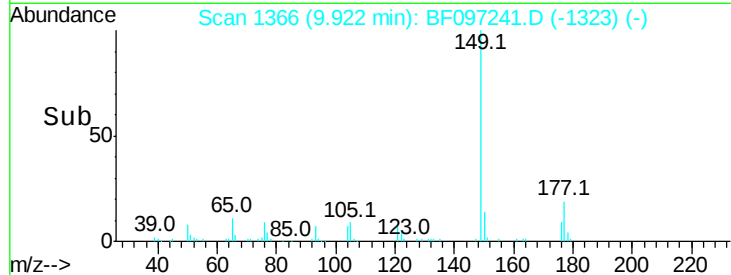
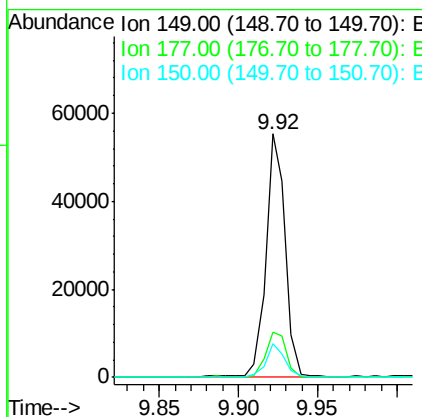
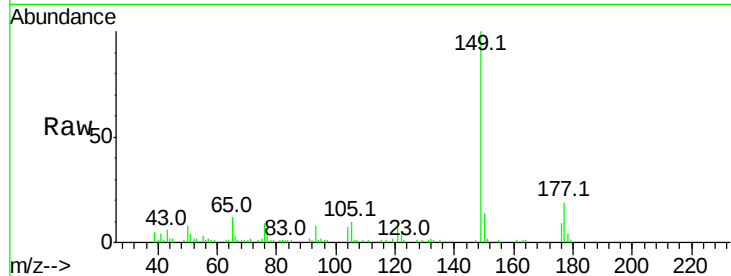




#59
Diethylphthalate
Concen: 4.129 ng
RT: 9.92 min Scan# 1366
Delta R.T. -0.05 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

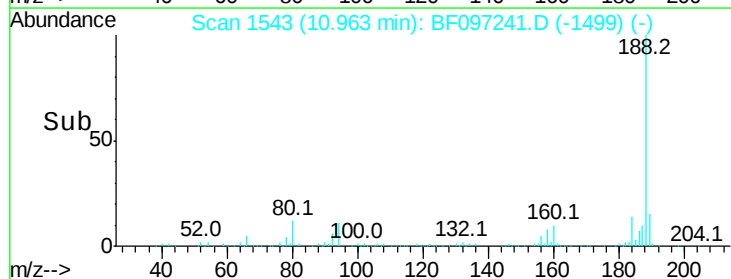
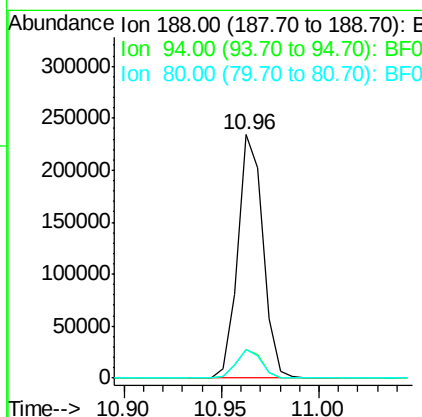
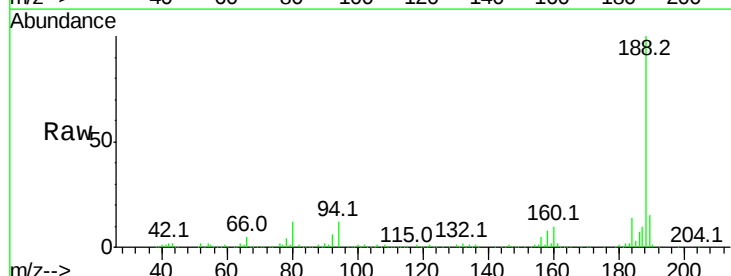
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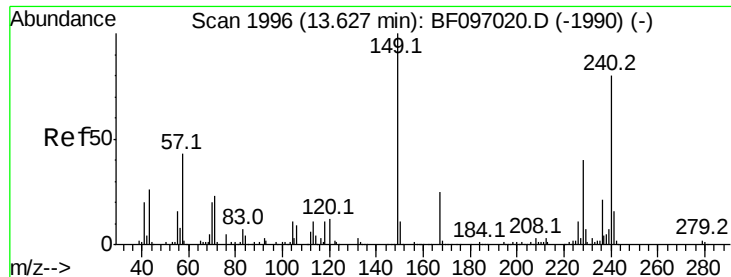
Tot Ion:149 Resp: 47671
Ion Ratio Lower Upper
149 100
177 18.7 16.7 25.1
150 13.7 10.2 15.2



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.96 min Scan# 1543
Delta R.T. -0.04 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

Tgt Ion:188 Resp: 209446
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 11.9 10.2 15.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.59 min Scan# 1990

Delta R.T. -0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

Instrument :

BNA_F

ClientSampled :

MH-6

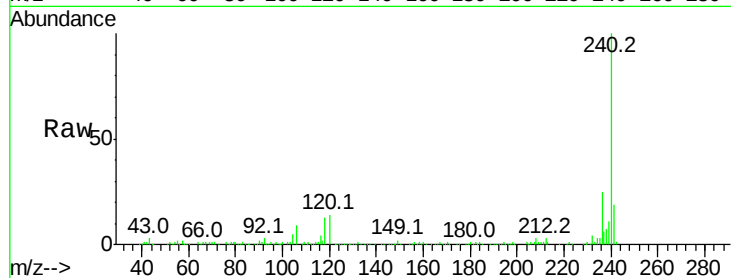
Tot Ion:240 Resp: 191939

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

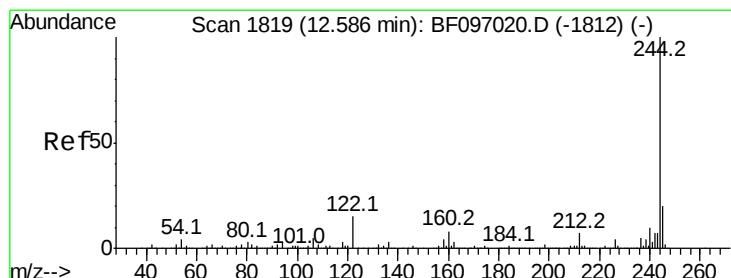
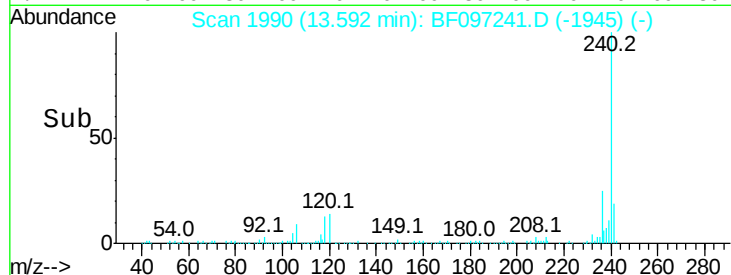
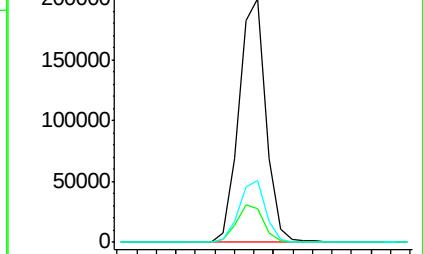
236 25.4 20.5 30.7



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: 58.962 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

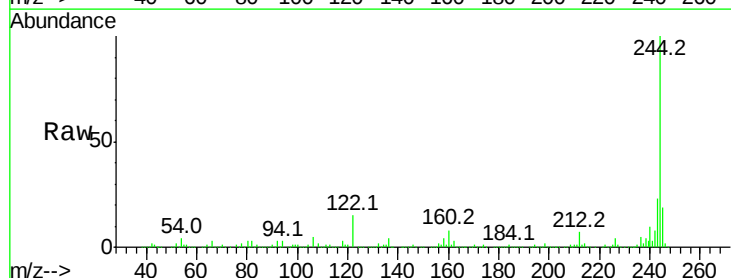
Tgt Ion:244 Resp: 555073

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

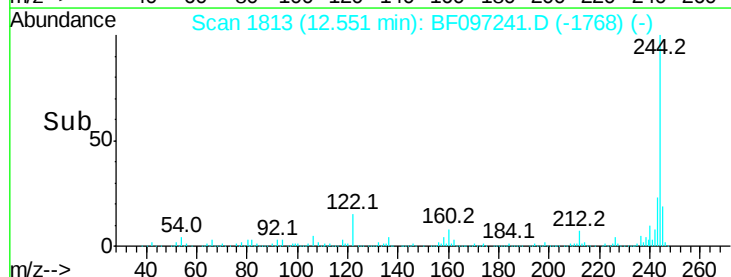
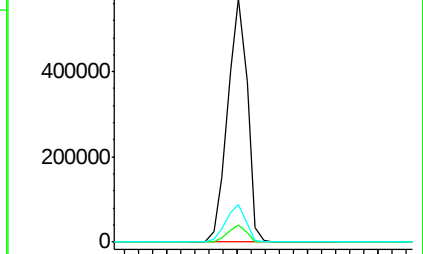
122 15.4 10.3 15.5

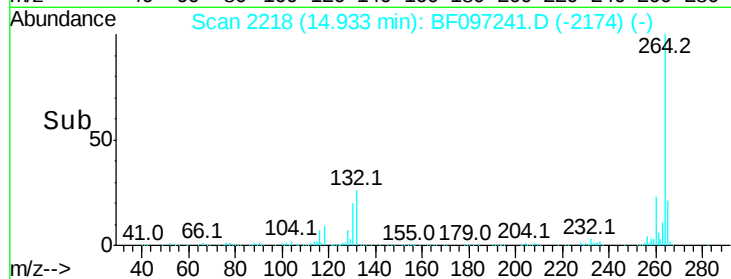
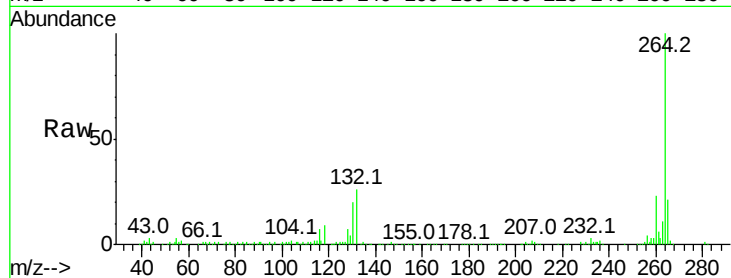
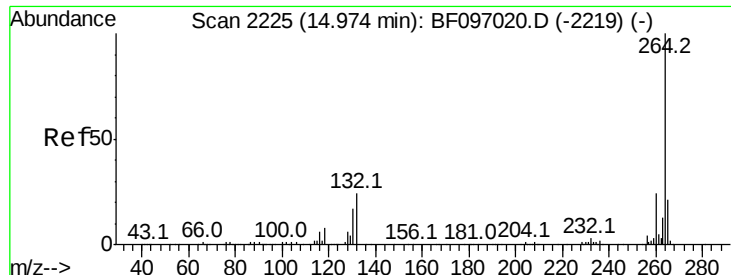


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.93 min Scan# 2218
 Delta R.T. -0.04 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

Instrument :
 BNA_F
 ClientSampleId :
 MH-6

Tot Ion:	264	Resp:	154567
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.3	17.2	25.8

