

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097116.D
 Acq On : 27 Jul 2017 10:25
 Operator : SJ/JU
 Sample : I4443-14 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 10:57:55 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

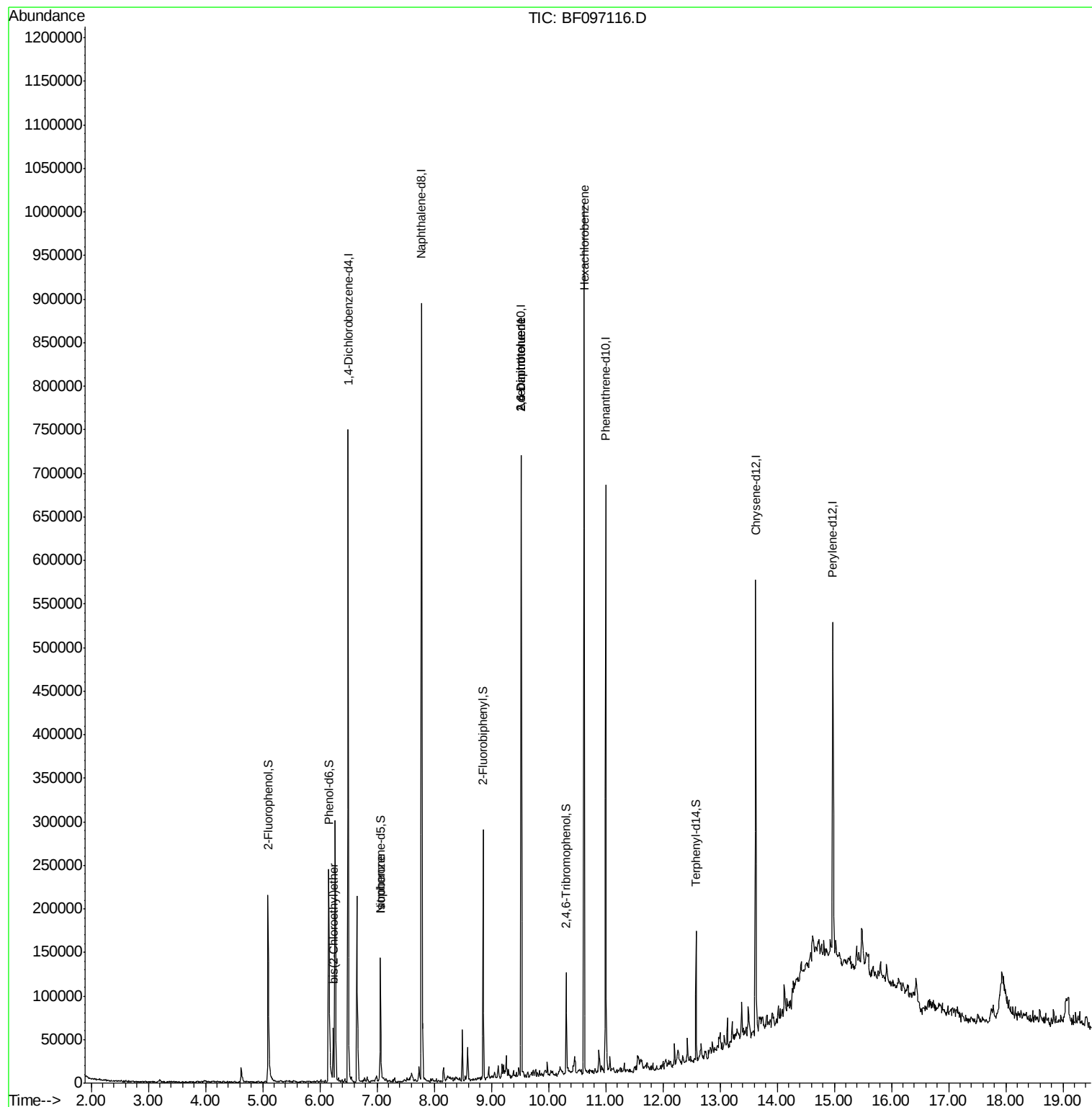
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	105017	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	422881	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	140682	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	214946	20.00	ng	0.00
75) Chrysene-d12	13.63	240	179030	20.00	ng	0.00
86) Perylene-d12	14.97	264	150507	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	77351	11.10	ng	0.00
7) Phenol-d6	6.16	99	96298	12.11	ng	-0.01
23) Nitrobenzene-d5	7.06	82	48096	6.67	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	11577	10.42	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	84572	10.20	ng	-0.01
78) Terphenyl-d14	12.58	244	39499	4.50	ng	0.00
Target Compounds						
11) bis(2-Chloroethyl)ether	6.23	93	17377	2.329	ng	92
25) Isophorone	7.06	82	48095	3.407	ng	# 67
50) 2,6-Dinitrotoluene	9.52	165	18911	8.346	ng	# 33
56) 2,4-Dinitrotoluene	9.52	165	18911	7.260	ng	# 32
67) Hexachlorobenzene	10.62	284	122721	51.017	ng	# 87

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

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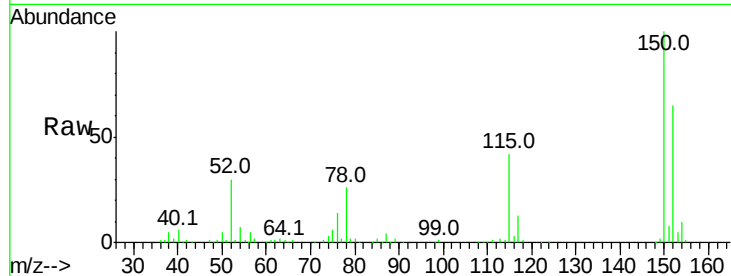


#1

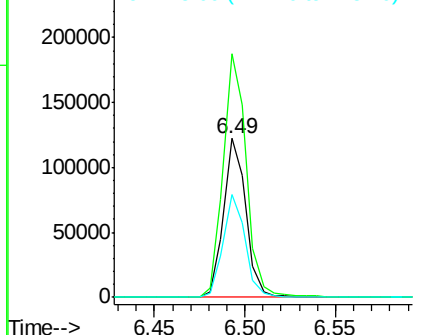
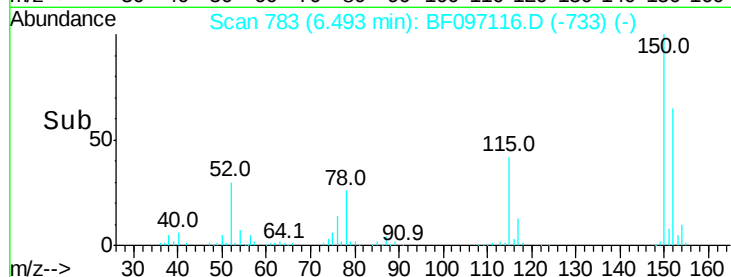
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 105017
Ion Ratio Lower Upper
152 100
150 153.0 126.2 189.2
115 64.5 52.2 78.2



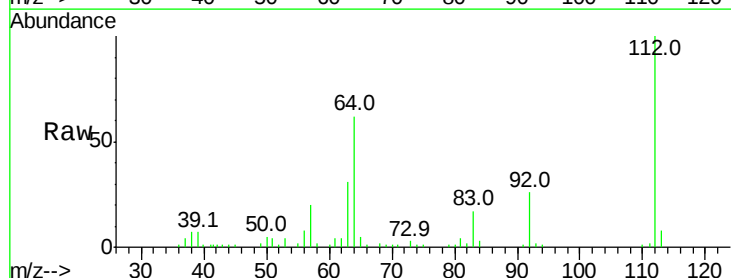
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



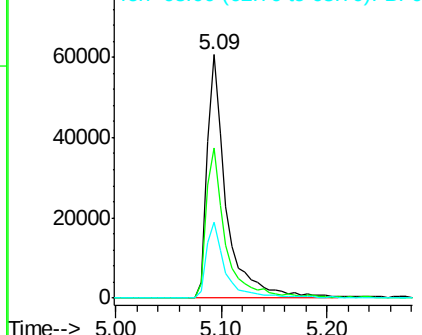
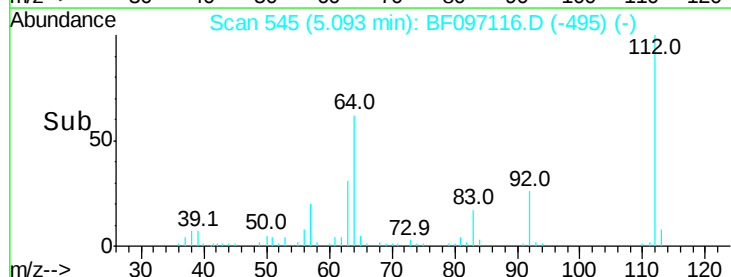
#5

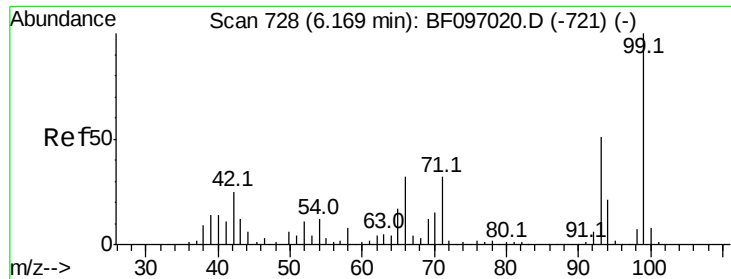
2-Fluorophenol
Concen: 11.104 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Tgt Ion:112 Resp: 77351
Ion Ratio Lower Upper
112 100
64 61.7 46.0 69.0
63 31.0 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: 12.109 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

Instrument :

BNA_F

ClientSampleId :

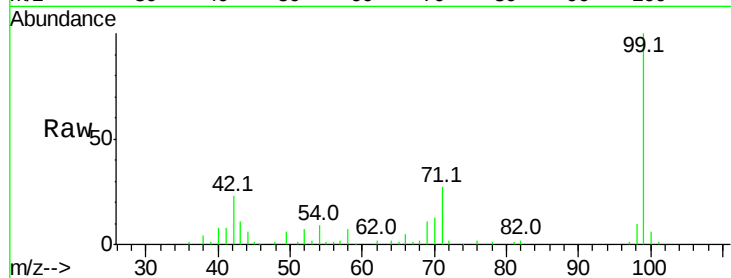
Tot Ion: 99 Resp: 96298

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

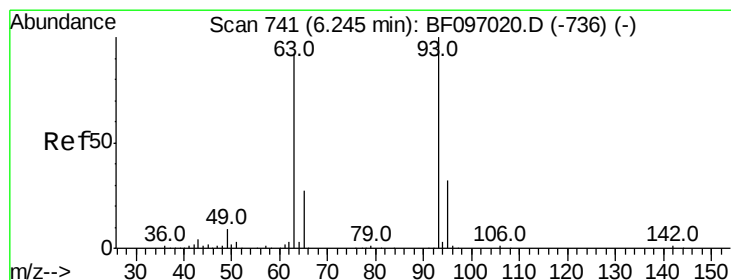
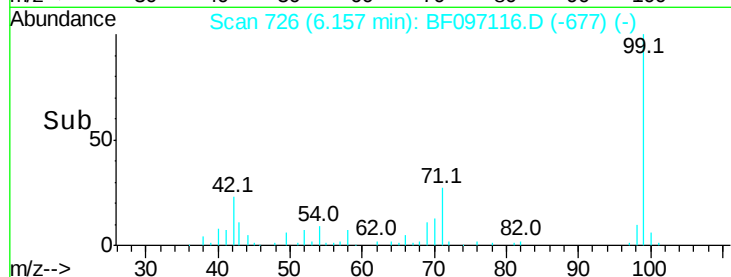
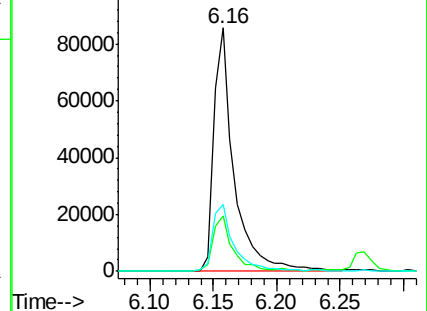
71 27.4 24.5 36.7



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



#11

bis(2-Chloroethyl)ether

Concen: 2.329 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

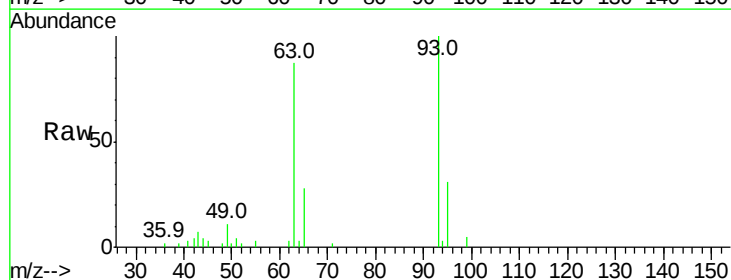
Tgt Ion: 93 Resp: 17377

Ion Ratio Lower Upper

93 100

63 87.4 59.2 99.2

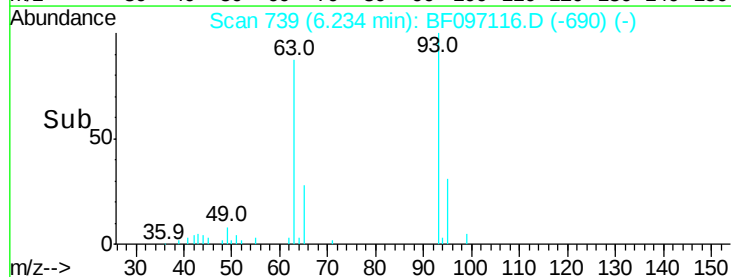
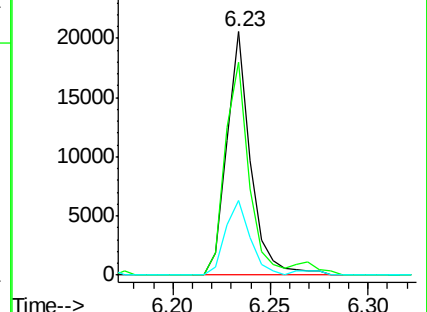
95 30.8 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 422881

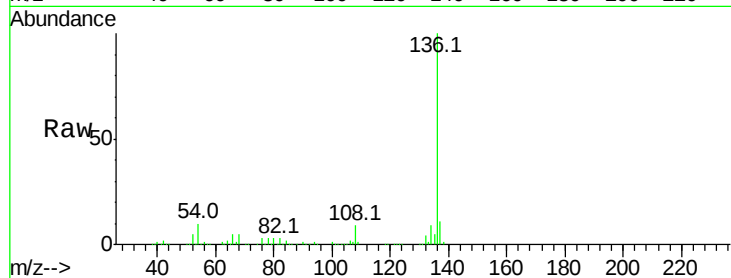
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 9.9 4.9 7.3#

68 5.3 4.1 6.1

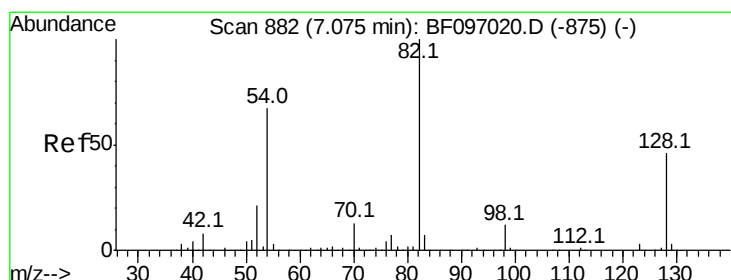
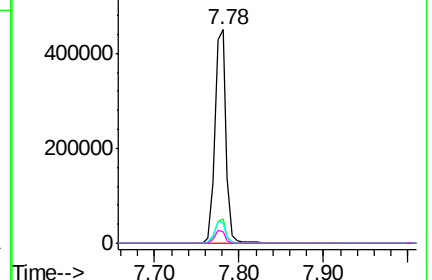
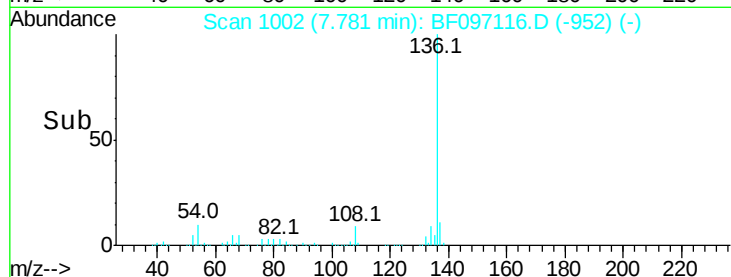


Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.672 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

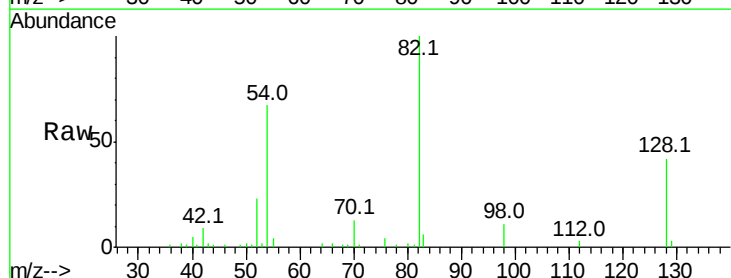
Tgt Ion: 82 Resp: 48096

Ion Ratio Lower Upper

82 100

128 41.9 34.0 51.0

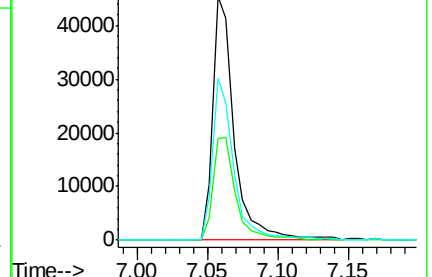
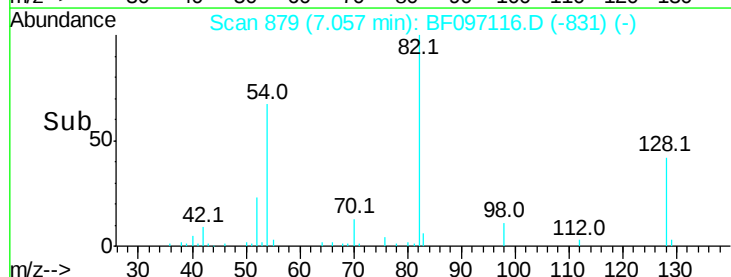
54 66.6 42.2 63.2#

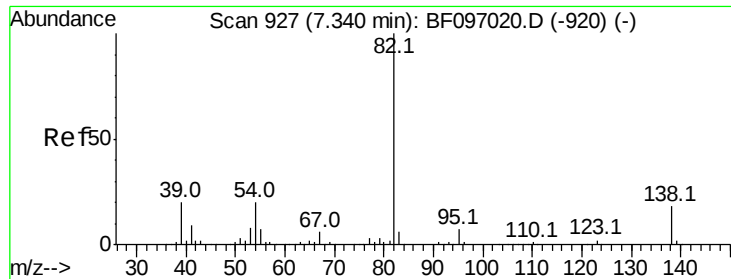


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 3.407 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

Instrument :

BNA_F

ClientSampleId :

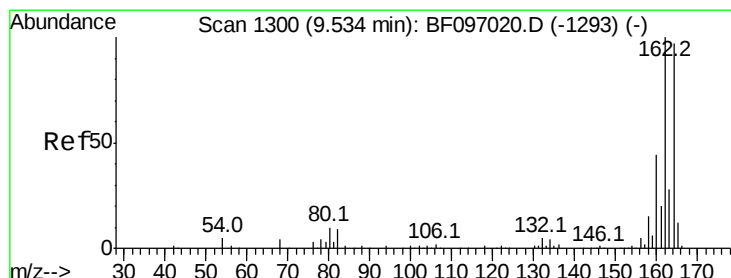
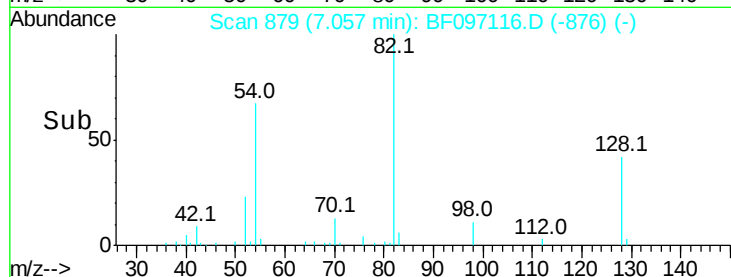
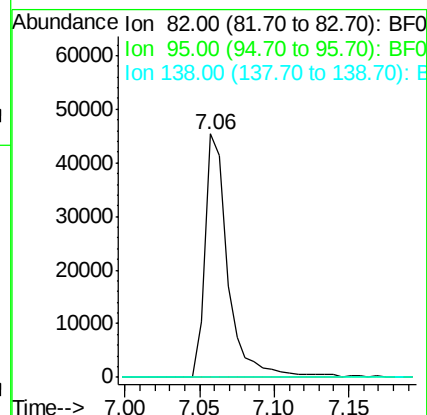
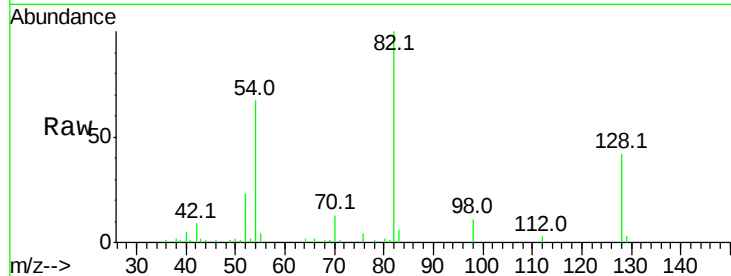
Tot Ion: 82 Resp: 48095

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.52 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

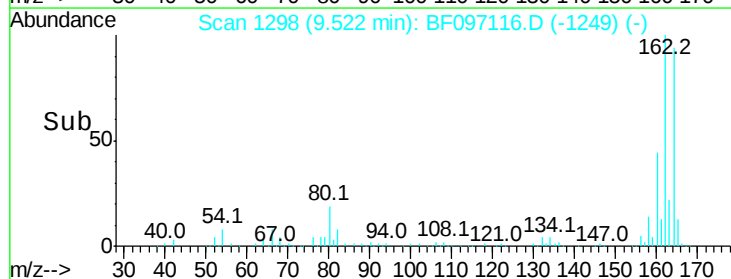
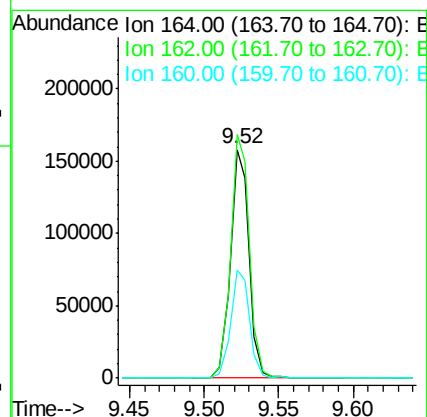
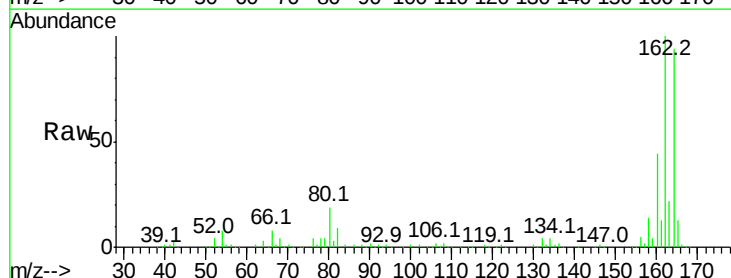
Tgt Ion:164 Resp: 140682

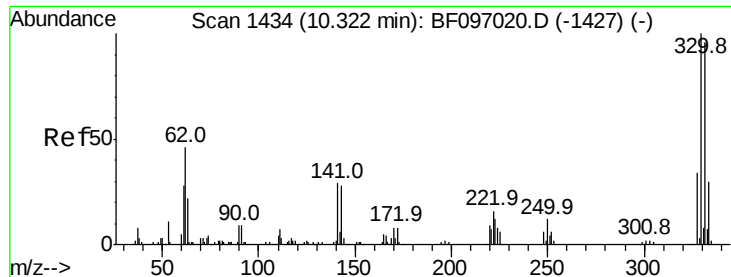
Ion Ratio Lower Upper

164 100

162 106.6 82.6 123.8

160 47.1 36.2 54.2



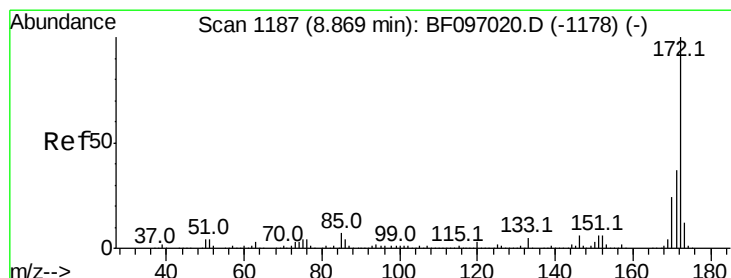
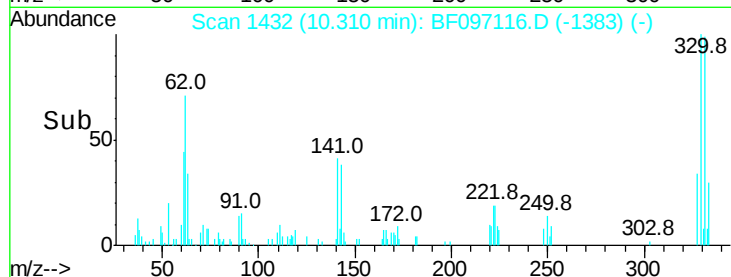
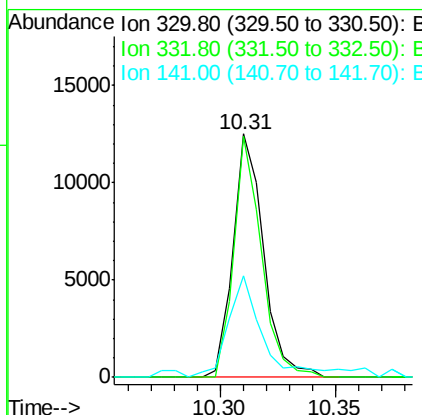
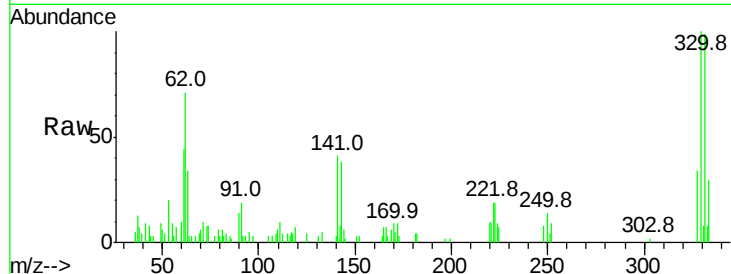


#41
 2,4,6-Tribromophenol
 Concen: 10.415 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097116.D
 Acq: 27 Jul 2017 10:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 11577

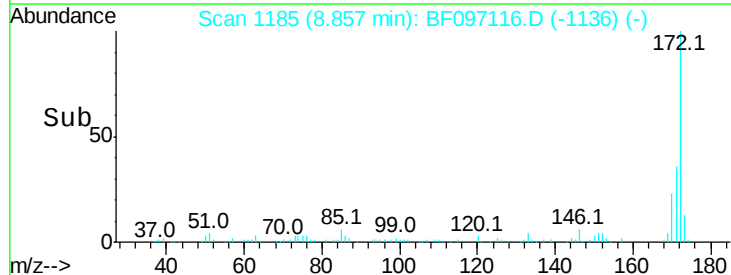
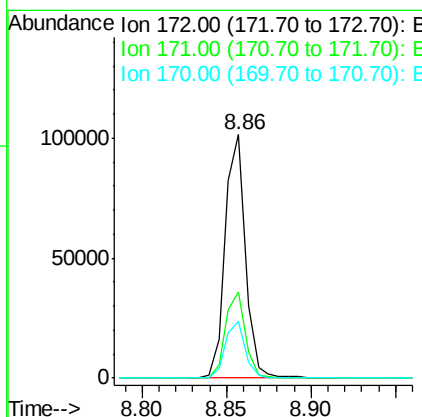
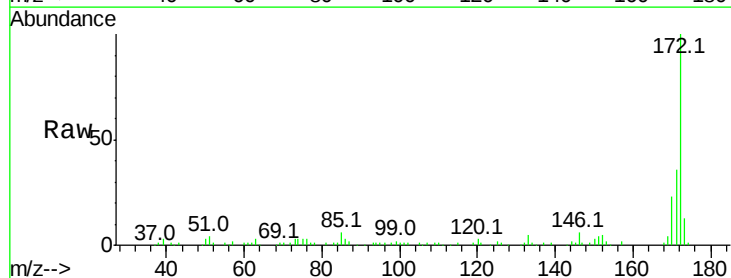
Ion	Ratio	Lower	Upper
330	100		
332	89.7	76.6	115.0
141	45.6	31.4	47.2

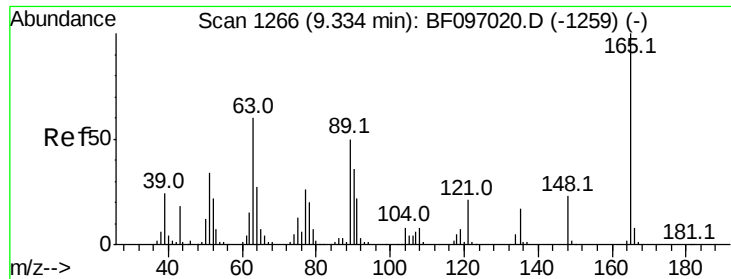


#44
 2-Fluorobiphenyl
 Concen: 10.202 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097116.D
 Acq: 27 Jul 2017 10:25

Tgt Ion:172 Resp: 84572

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.4	19.8	29.8

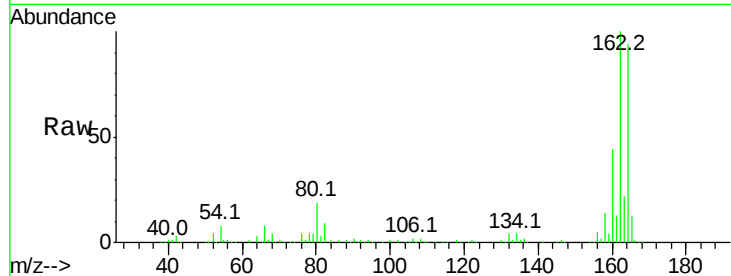




#50
2,6-Dinitrotoluene
Concen: 8.346 ng
RT: 9.52 min Scan# 1298
Delta R.T. 0.19 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Instrument :
BNA_F
ClientSampled :

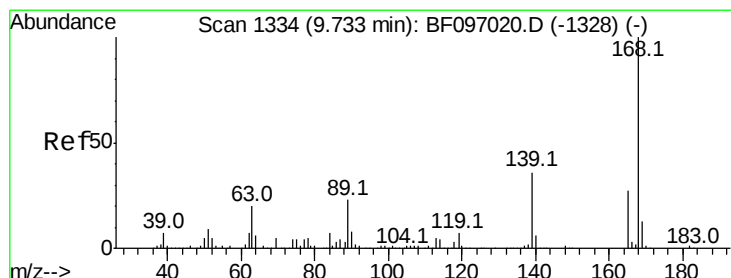
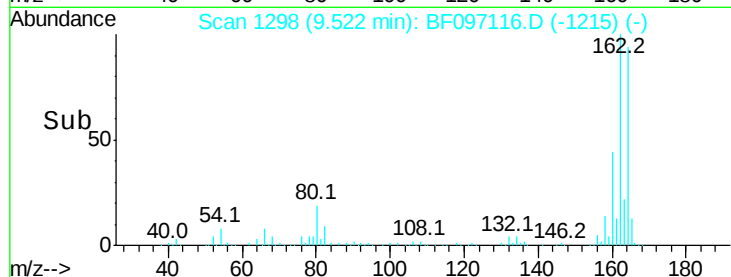
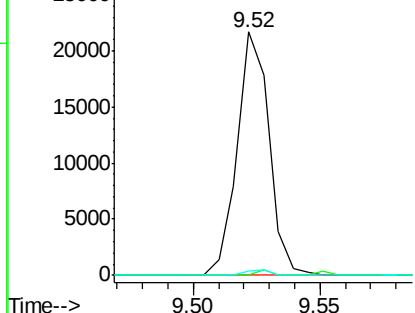
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	1.6	37.1	55.7#



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



#56
2,4-Dinitrotoluene
Concen: 7.260 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

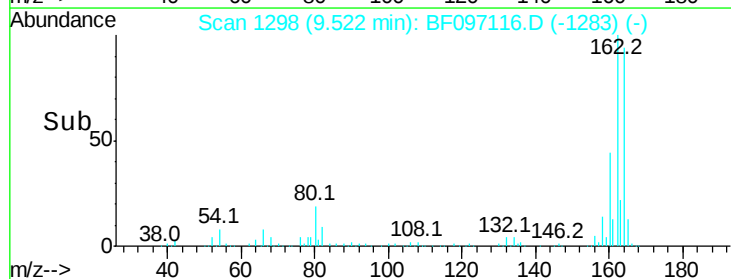
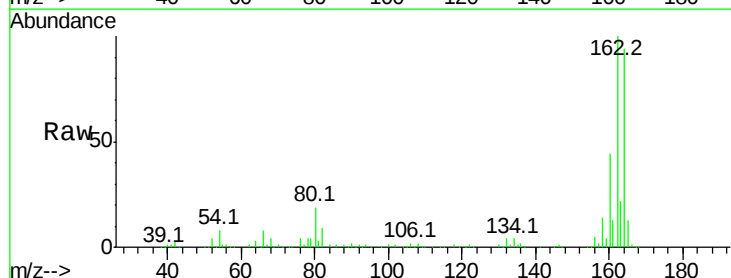
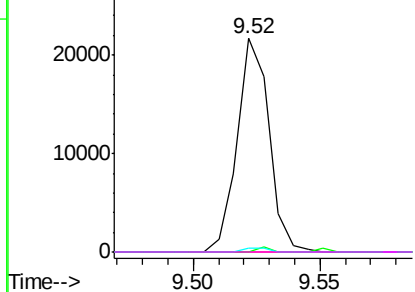
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

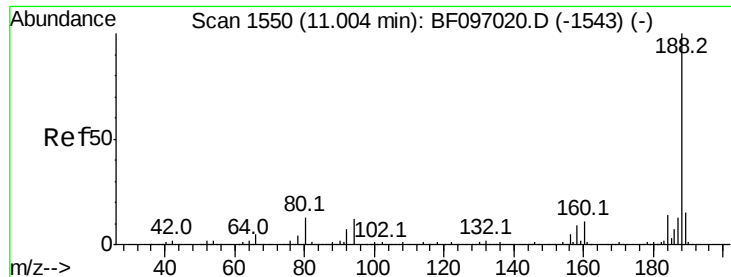
Abundance Ion 165.00 (164.70 to 165.70): E

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

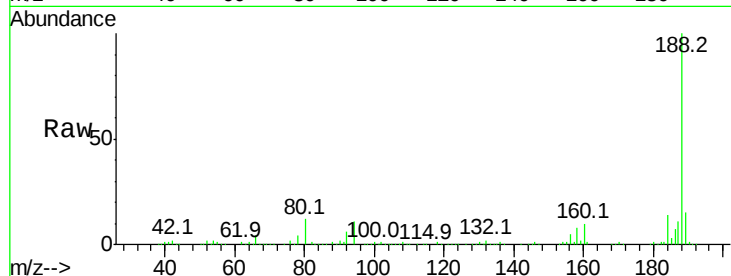




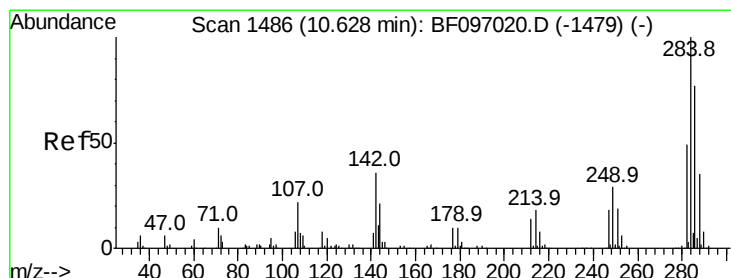
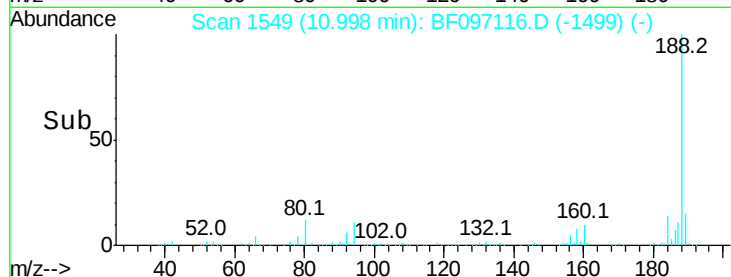
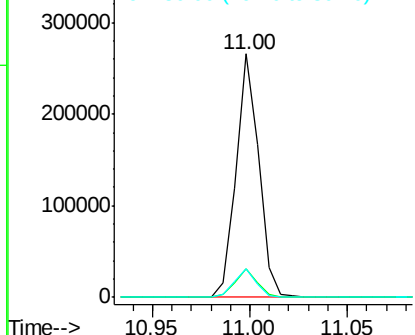
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 214946
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 11.7 10.2 15.2

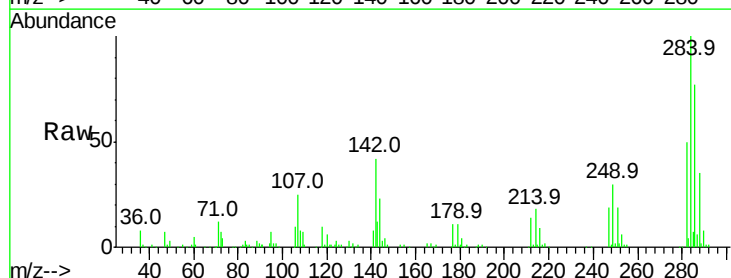


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

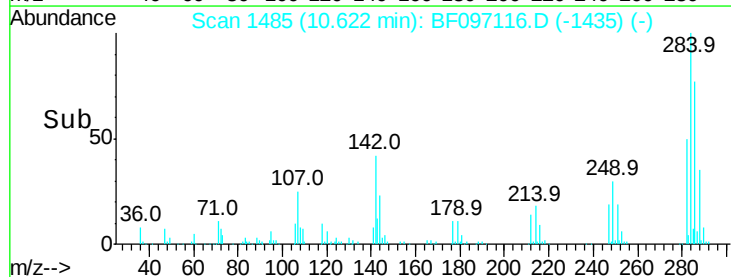
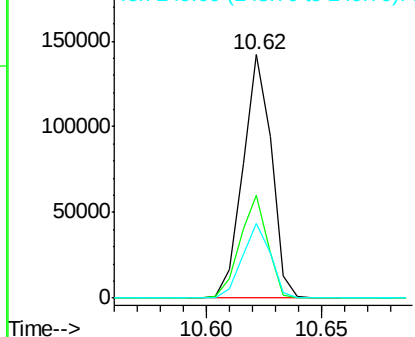


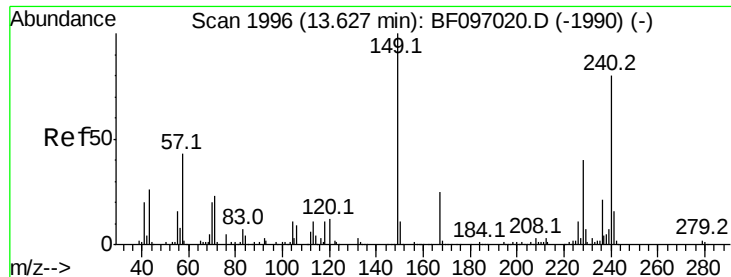
#67
Hexachlorobenzene
Concen: 51.017 ng
RT: 10.62 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Tgt Ion:284 Resp: 122721
Ion Ratio Lower Upper
284 100
142 42.5 22.8 34.2#
249 30.4 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.63 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

Instrument :

BNA_F

ClientSampleId :

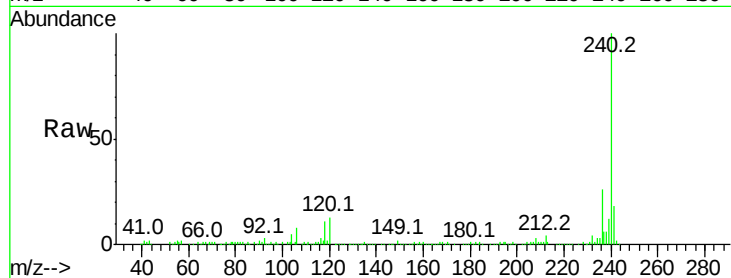
Tot Ion:240 Resp: 179030

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

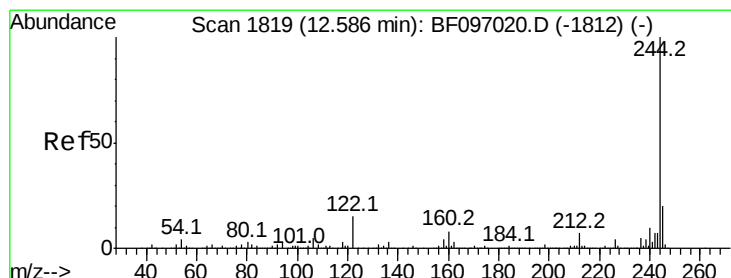
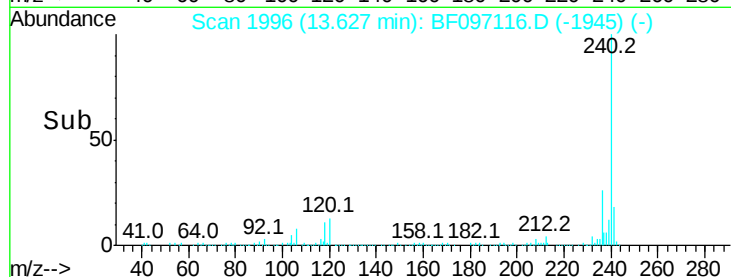
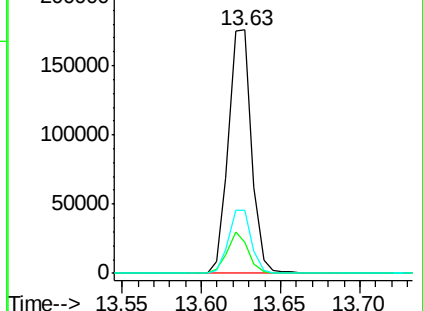
236 26.1 20.5 30.7



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: 4.498 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

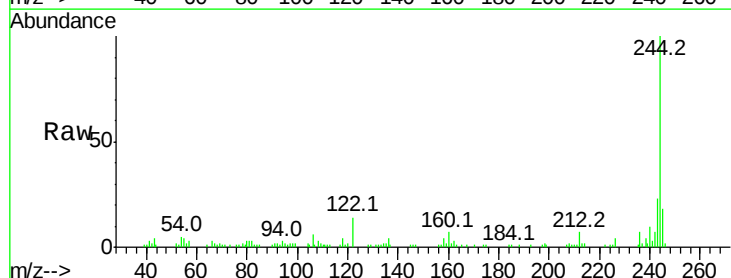
Tgt Ion:244 Resp: 39499

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

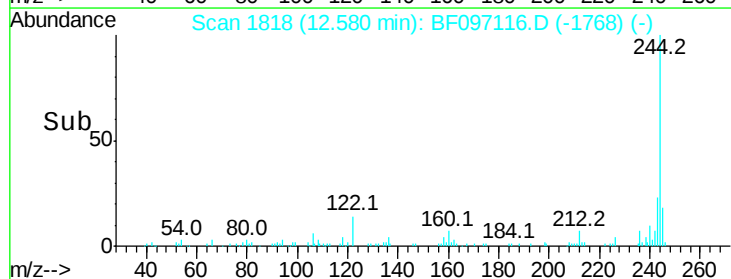
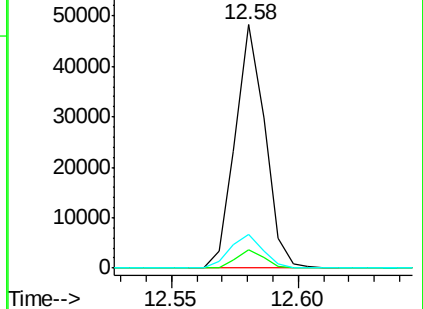
122 13.8 10.3 15.5

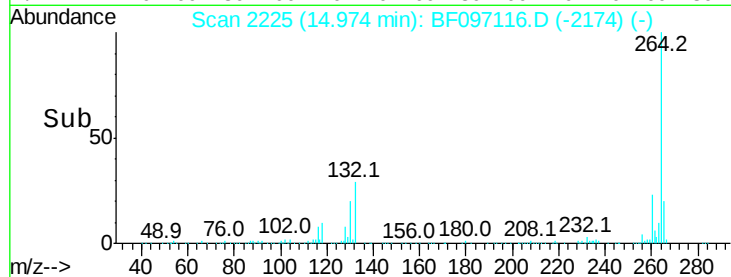
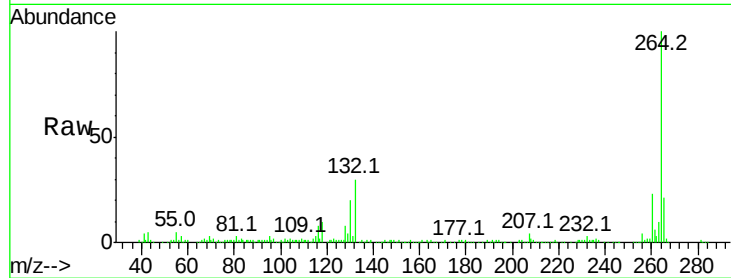
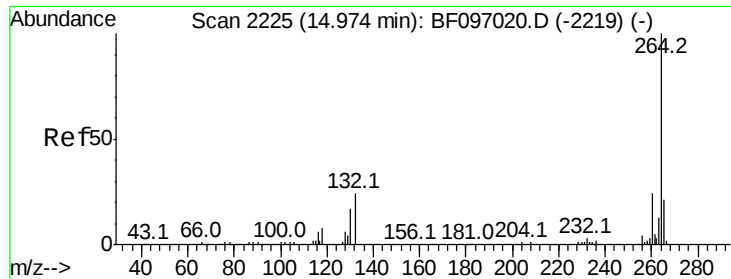


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.97 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	20.5	17.2	25.8

