

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096967.D
 Acq On : 22 Jul 2017 3:43
 Operator : SJ/JU
 Sample : I4253-01DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-BASEDL

Quant Time: Jul 24 13:38:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

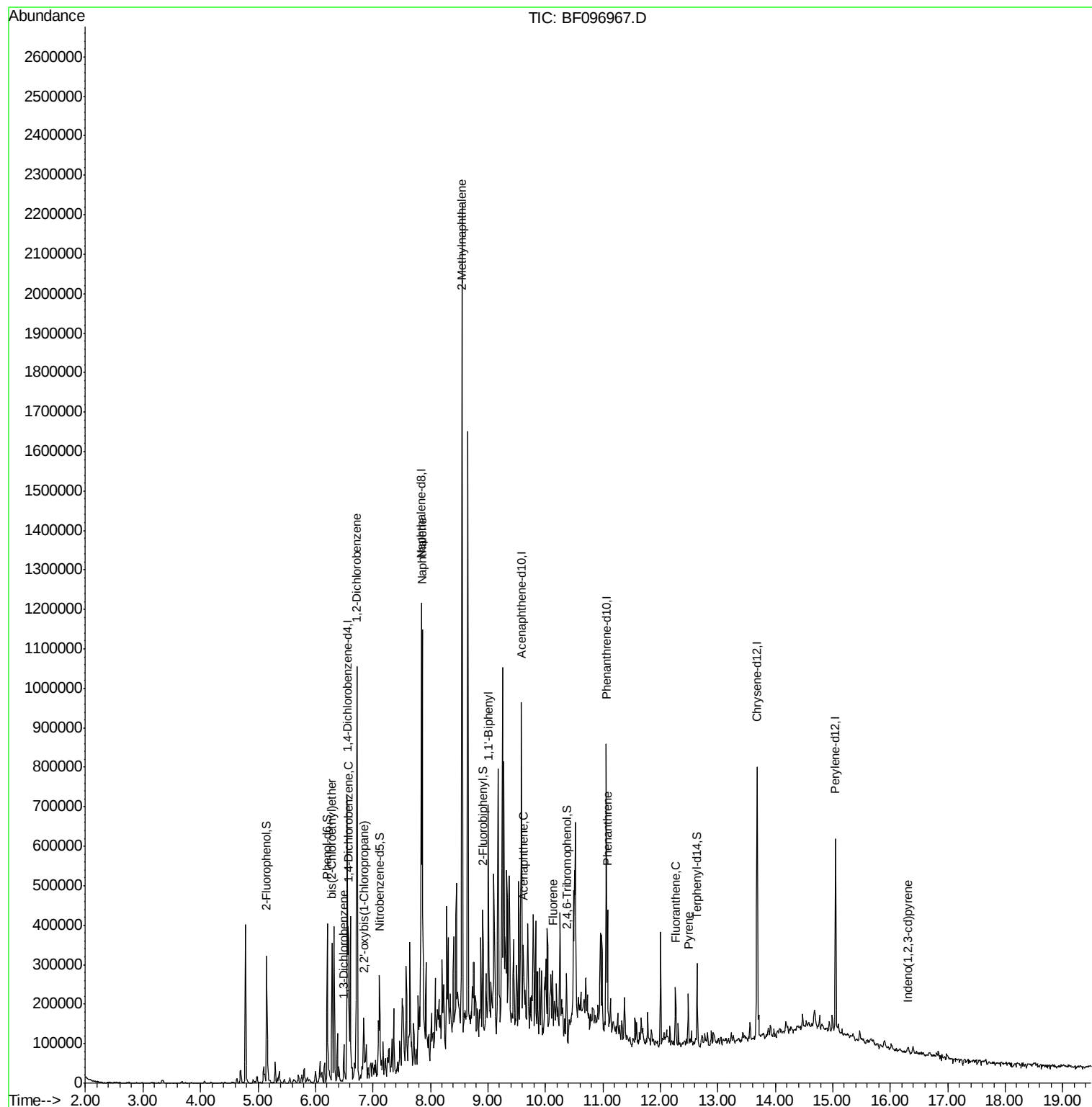
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	107775	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	419950	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	148497	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	241437	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	232840	20.00	ng	-0.05
86) Perylene-d12	15.04	264	208030	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	99054	13.82	ng	-0.05
7) Phenol-d6	6.20	99	117629	13.68	ng	-0.05
23) Nitrobenzene-d5	7.12	82	64434	9.50	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	12061	9.52	ng	-0.05
44) 2-Fluorobiphenyl	8.91	172	81868	8.71	ng	-0.05
78) Terphenyl-d14	12.64	244	57516	4.28	ng	-0.05
Target Compounds						
						Qvalue
11) bis(2-Chloroethyl)ether	6.29	93	110033	15.048	ng	90
12) 1,3-Dichlorobenzene	6.49	146	20091	2.444	ng	97
13) 1,4-Dichlorobenzene	6.57	146	83925	10.082	ng	95
14) 1,2-Dichlorobenzene	6.72	146	240136	31.717	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.85	45	68700	4.552	ng	97
31) Naphthalene	7.86	128	436746	21.954	ng	99
37) 2-Methylnaphthalene	8.55	142	562770	44.372	ng	99
45) 1,1'-Biphenyl	9.01	154	58008	4.555	ng	97
51) Acenaphthene	9.62	154	35213	3.989	ng	96
57) Fluorene	10.13	166	23290	2.548	ng	# 86
70) Phenanthrene	11.08	178	104505	7.961	ng	98
74) Fluoranthene	12.26	202	54819	4.363	ng	98
77) Pvrene	12.49	202	53865	2.549	ng	99
85) Indeno(1,2,3-cd)pyrene	16.31	276	6958	3.835	ng	# 90

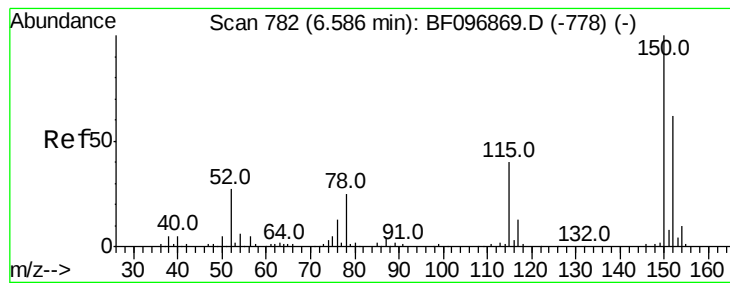
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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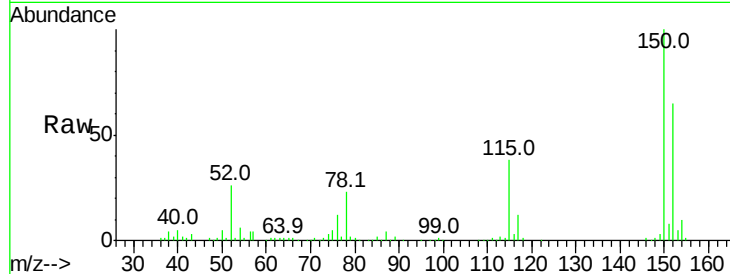


#1

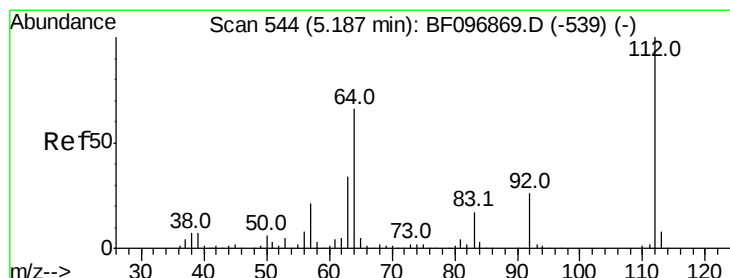
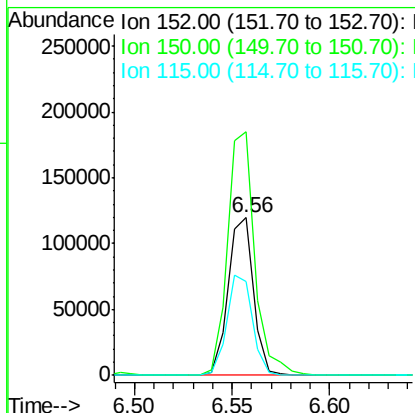
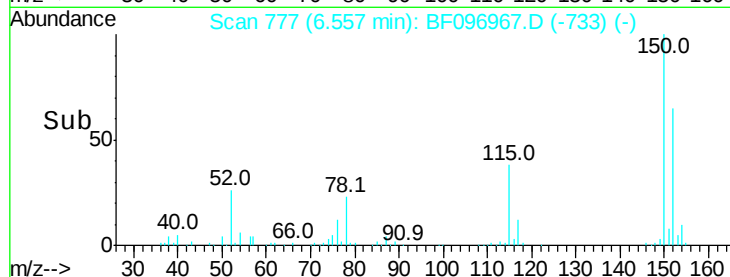
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.56 min Scan# 777
Delta R.T. -0.04 min
Lab File: BF096967.D
Acq: 22 Jul 2017 3:43

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-BASEDL

Tot Ion:152 Resp: 107775
Ion Ratio Lower Upper
152 100
150 154.8 126.2 189.2
115 59.5 52.2 78.2



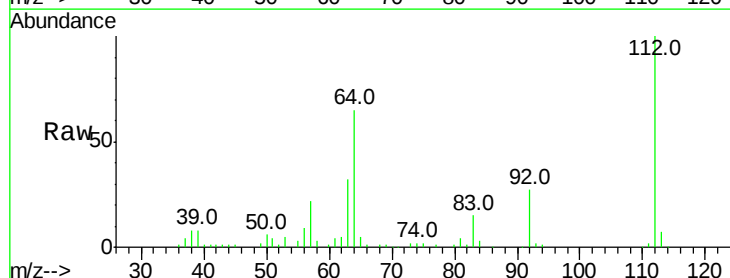
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



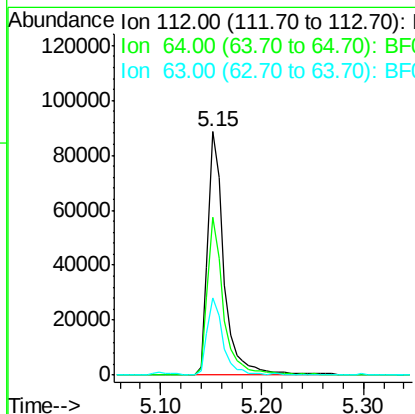
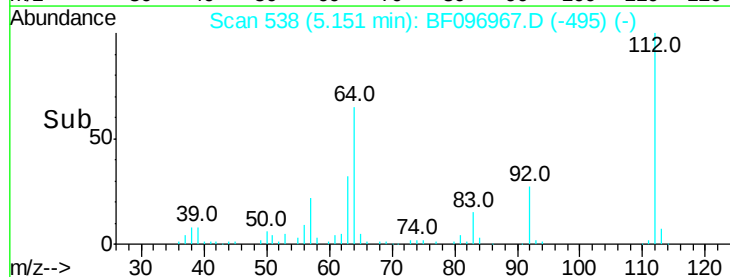
#5

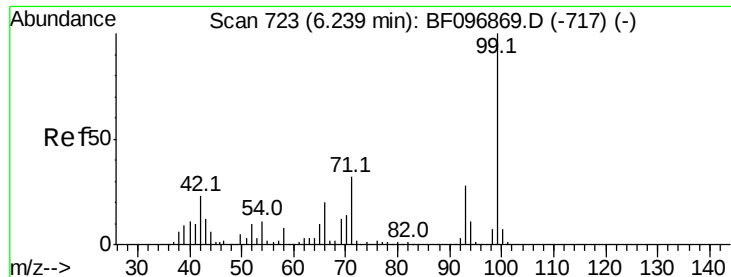
2-Fluorophenol
Concen: 13.819 ng
RT: 5.15 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF096967.D
Acq: 22 Jul 2017 3:43

Tgt Ion:112 Resp: 99054
Ion Ratio Lower Upper
112 100
64 64.9 46.0 69.0
63 31.7 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: 13.675 ng

RT: 6.20 min Scan# 717

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASEDL

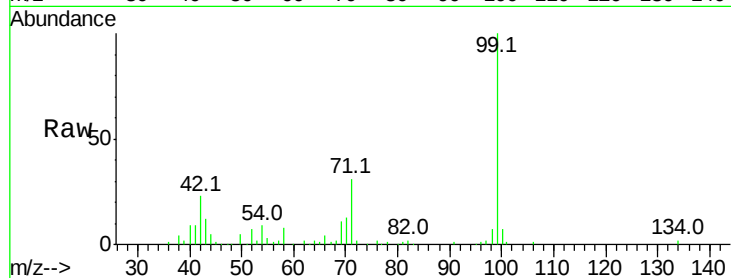
Tot Ion: 99 Resp: 117629

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

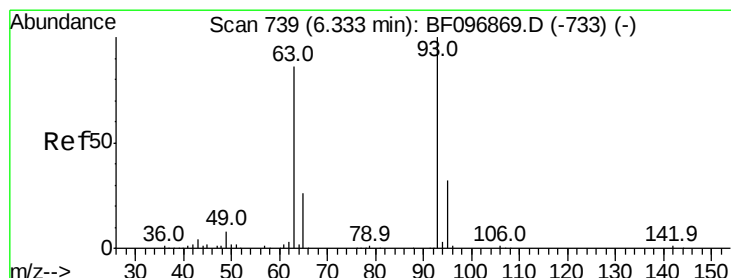
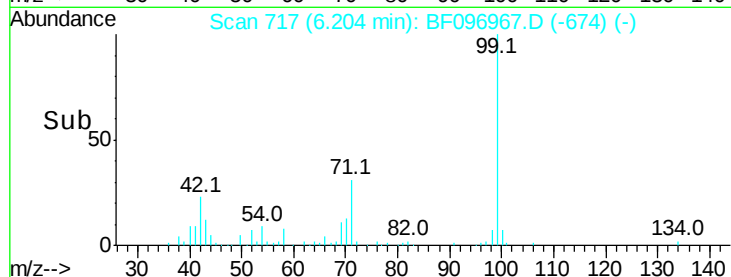
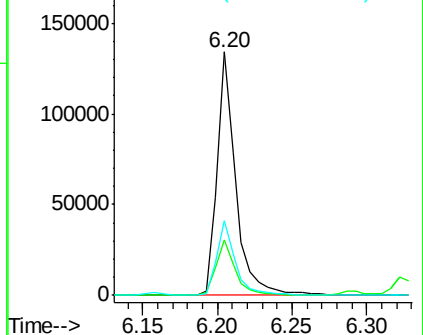
71 30.9 24.5 36.7



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



#11

bis(2-Chloroethyl)ether

Concen: 15.048 ng

RT: 6.29 min Scan# 731

Delta R.T. -0.06 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

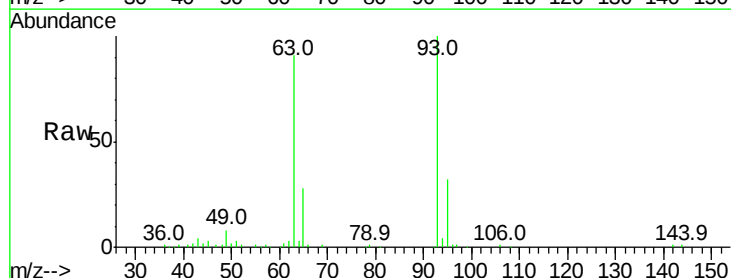
Tgt Ion: 93 Resp: 110033

Ion Ratio Lower Upper

93 100

63 91.1 59.2 99.2

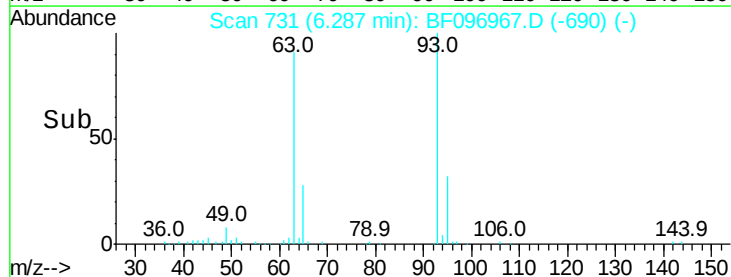
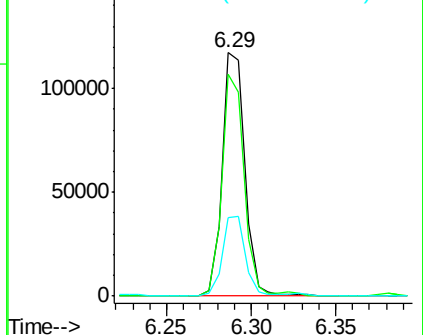
95 32.1 12.8 52.8

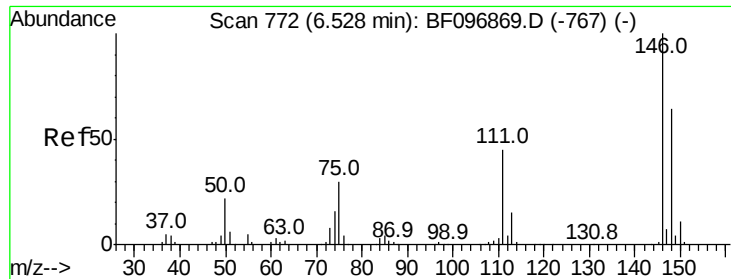


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

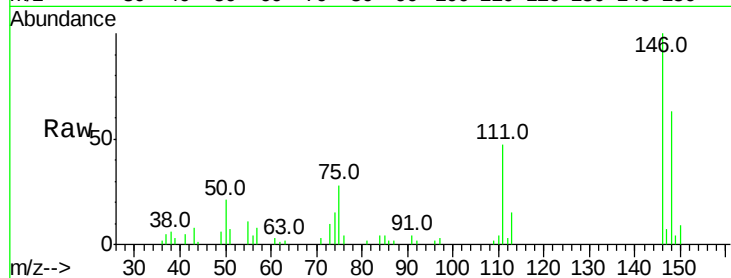




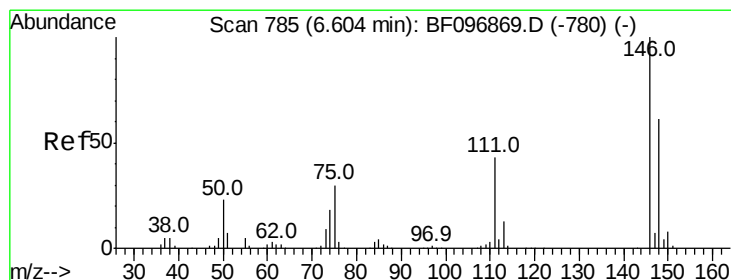
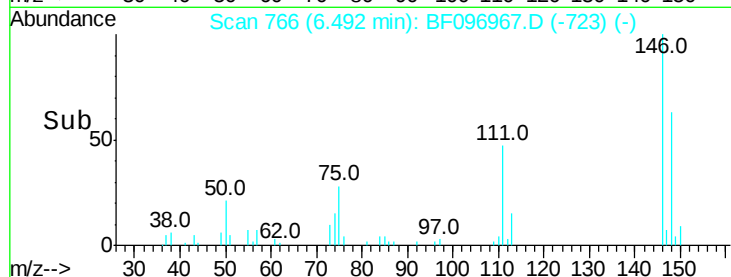
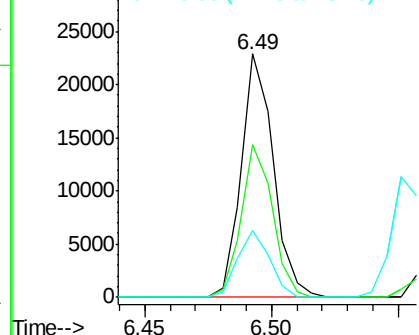
#12
 1,3-Dichlorobenzene
 Concen: 2.444 ng
 RT: 6.49 min Scan# 766
 Delta R.T. -0.05 min
 Lab File: BF096967.D
 Acq: 22 Jul 2017 3:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-BASEDL

Tot Ion:146 Resp: 20091
 Ion Ratio Lower Upper
 146 100
 148 62.6 51.8 77.6
 75 27.5 23.1 34.7

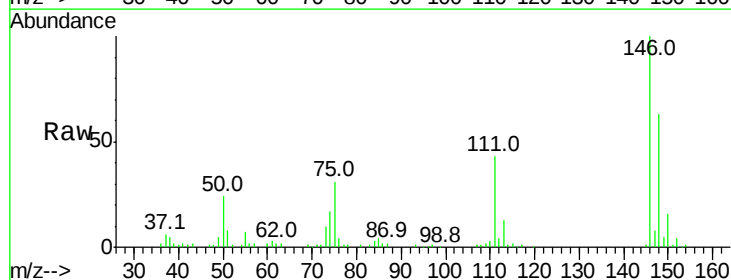


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

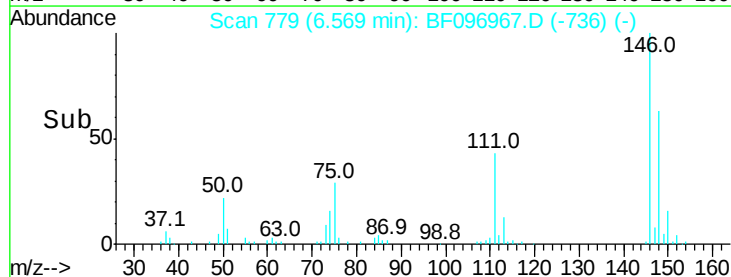
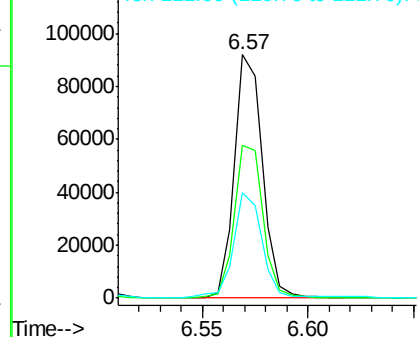


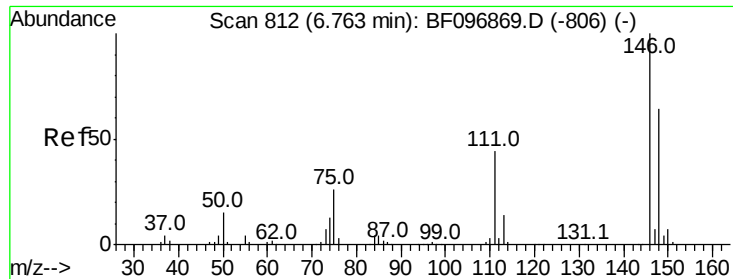
#13
 1,4-Dichlorobenzene
 Concen: 10.082 ng
 RT: 6.57 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF096967.D
 Acq: 22 Jul 2017 3:43

Tgt Ion:146 Resp: 83925
 Ion Ratio Lower Upper
 146 100
 148 62.9 52.2 78.2
 111 43.3 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





#14

1,2-Dichlorobenzene

Concen: 31.717 ng

RT: 6.72 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASEDL

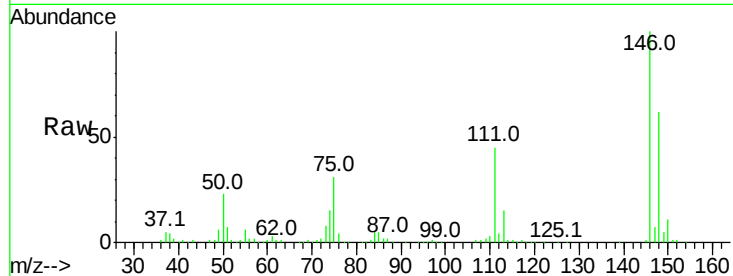
Tot Ion:146 Resp: 240136

Ion Ratio Lower Upper

146 100

148 62.3 50.4 75.6

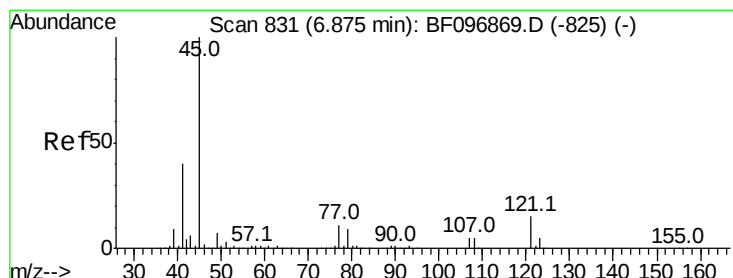
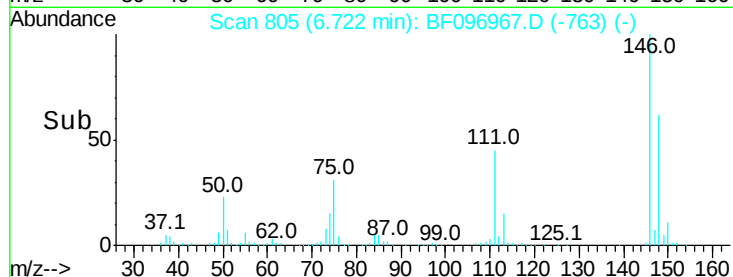
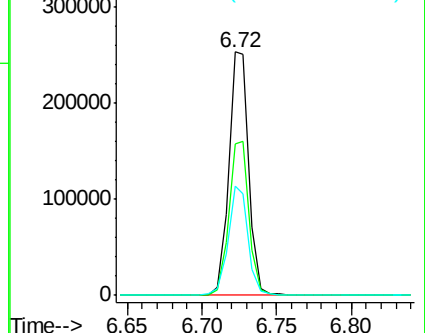
111 44.8 38.2 57.4



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.552 ng

RT: 6.85 min Scan# 826

Delta R.T. -0.04 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

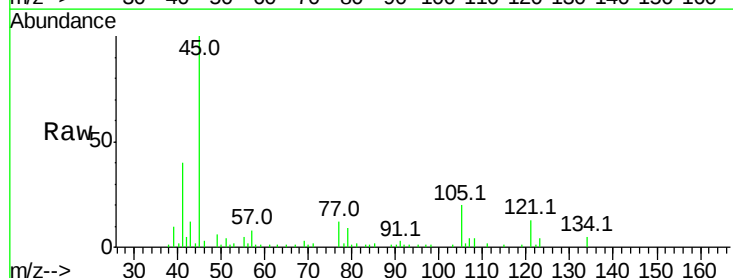
Tgt Ion: 45 Resp: 68700

Ion Ratio Lower Upper

45 100

77 11.8 0.0 33.2

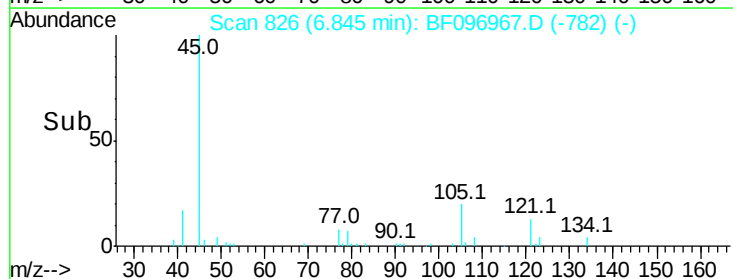
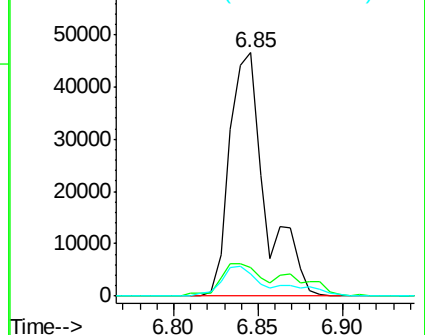
79 8.9 0.0 30.0

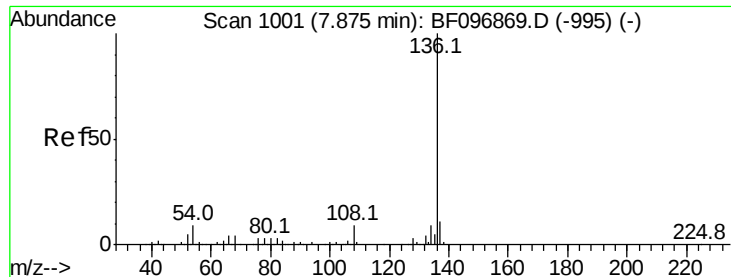


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.84 min Scan# 995

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASEDL

Tot Ion:136 Resp: 419950

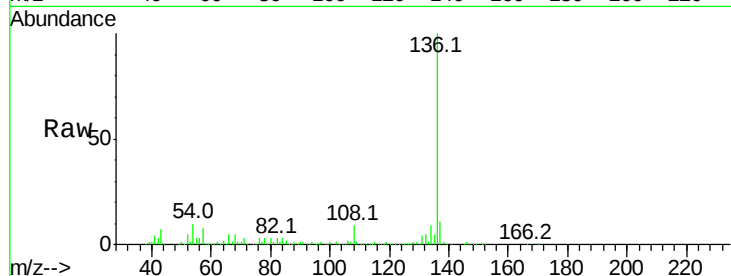
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.2 4.9 7.3#

68 5.5 4.1 6.1

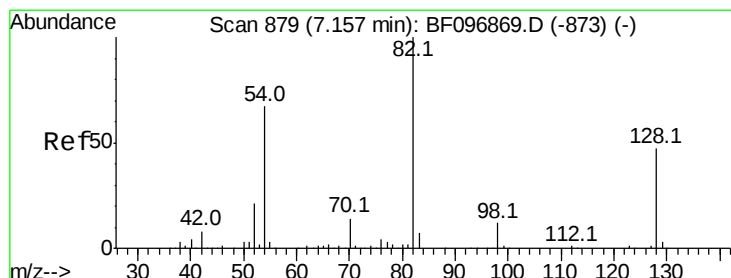
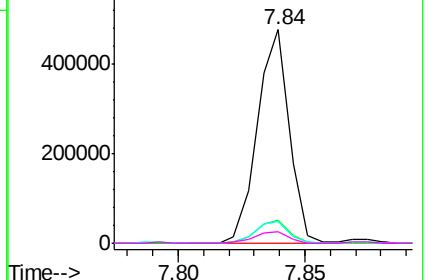
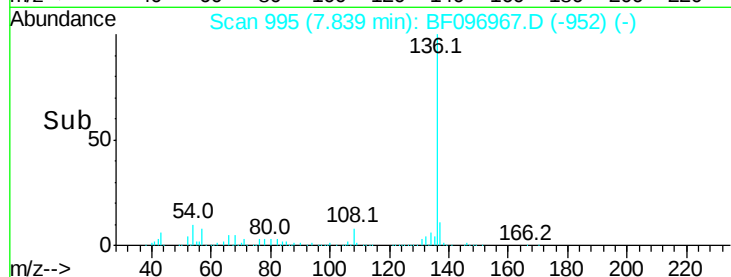


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.504 ng

RT: 7.12 min Scan# 872

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

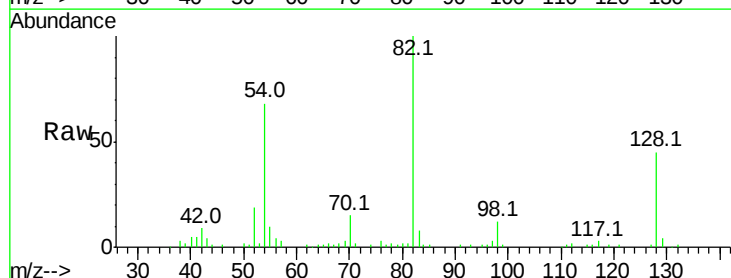
Tgt Ion: 82 Resp: 64434

Ion Ratio Lower Upper

82 100

128 44.8 34.0 51.0

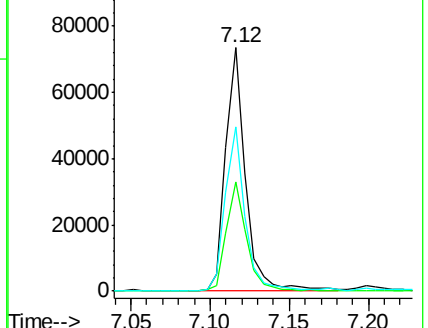
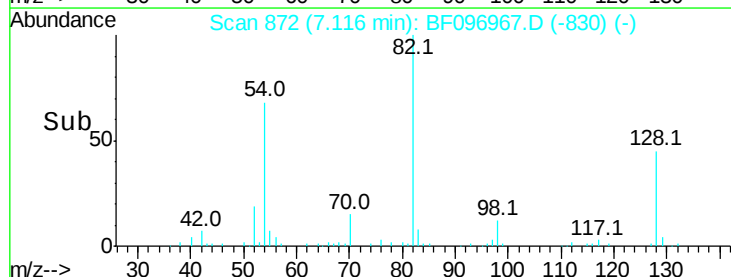
54 67.6 42.2 63.2#

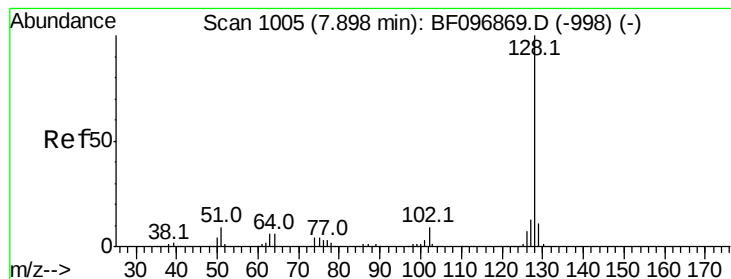


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 21.954 ng

RT: 7.86 min Scan# 998

Delta R.T. -0.05 min

Lab File: BF096967.D

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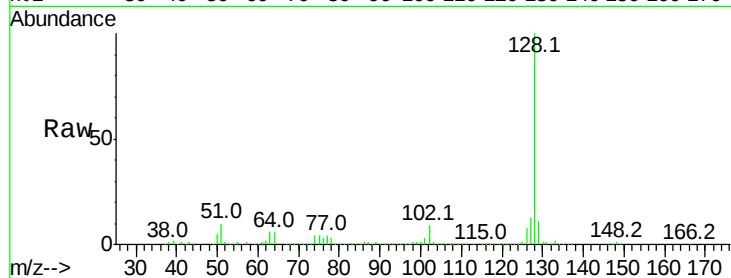
Tot Ion:128 Resp: 436746

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

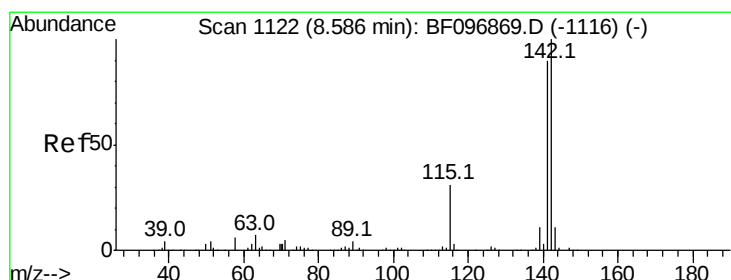
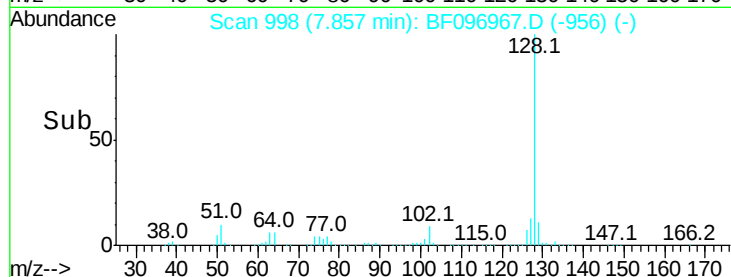
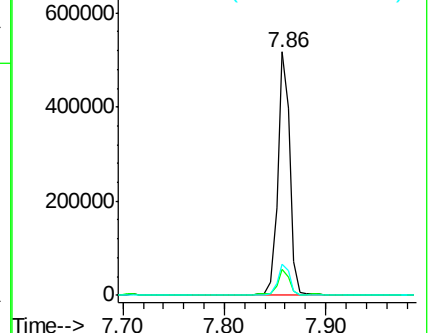
127 13.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 44.372 ng

RT: 8.55 min Scan# 1116

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

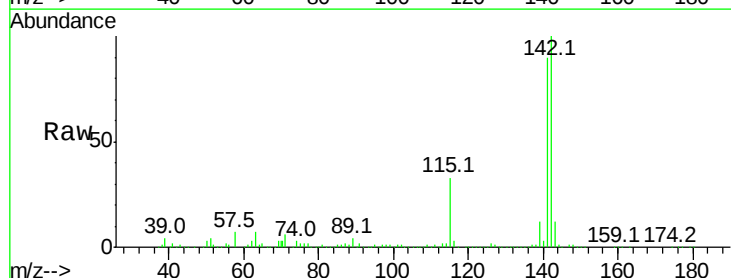
Tgt Ion:142 Resp: 562770

Ion Ratio Lower Upper

142 100

141 89.8 71.3 106.9

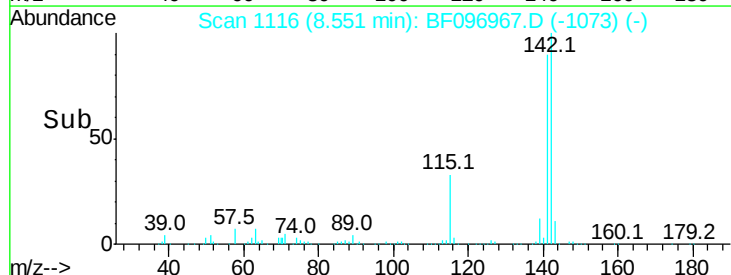
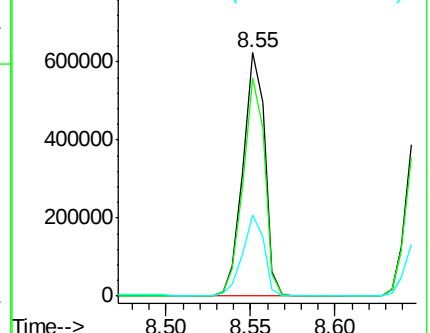
115 33.2 27.1 40.7

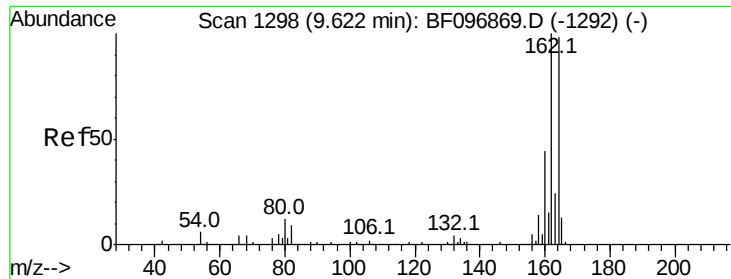


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.59 min Scan# 1292

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASEDL

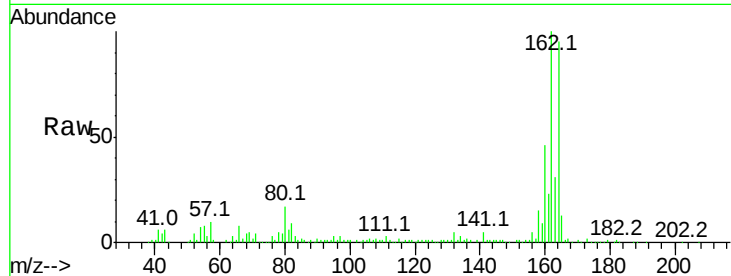
Tot Ion:164 Resp: 148497

Ion Ratio Lower Upper

164 100

162 105.3 82.6 123.8

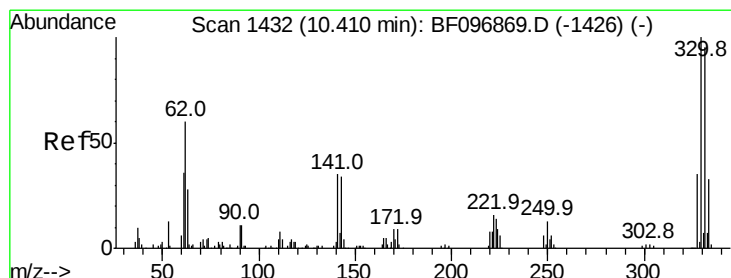
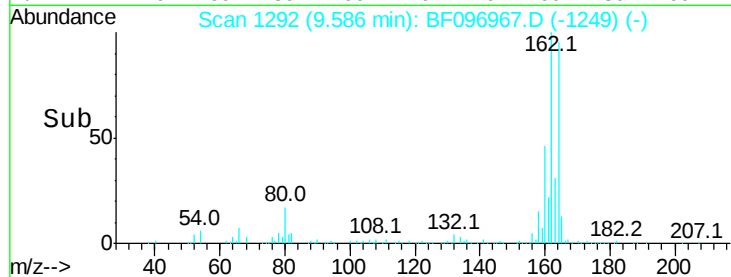
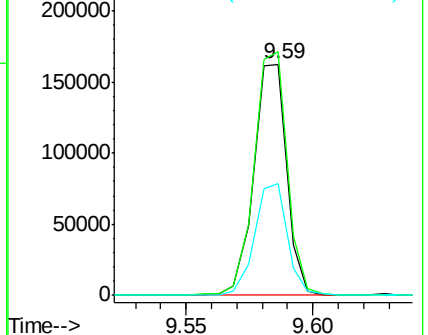
160 48.5 36.2 54.2



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: 9.515 ng

RT: 10.37 min Scan# 1425

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

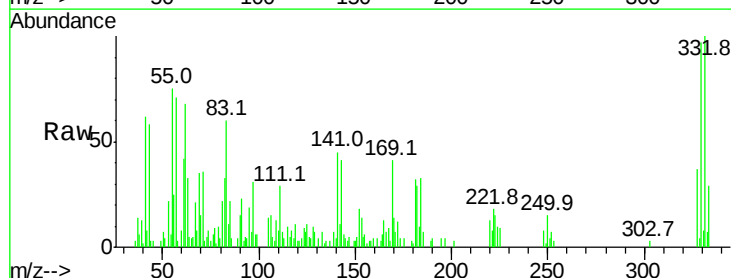
Tgt Ion:330 Resp: 12061

Ion Ratio Lower Upper

330 100

332 97.6 76.6 115.0

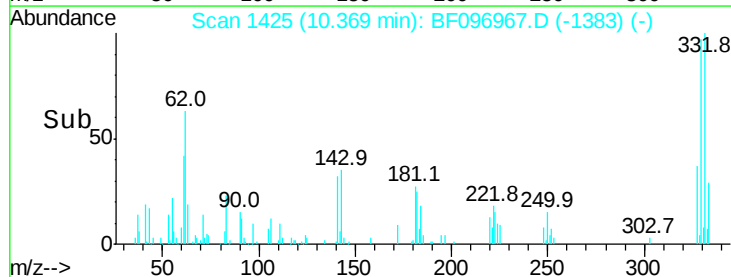
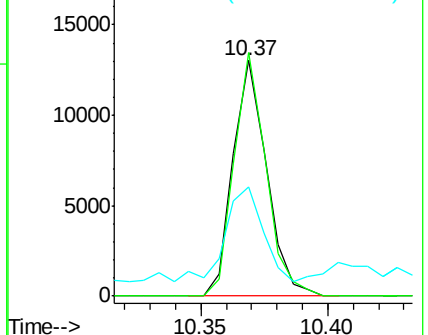
141 44.0 31.4 47.2

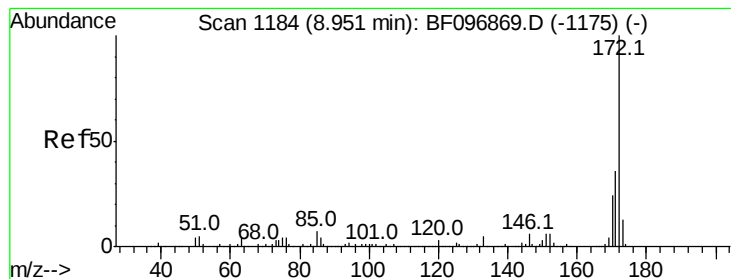


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 8.710 ng

RT: 8.91 min Scan# 1177

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASEDL

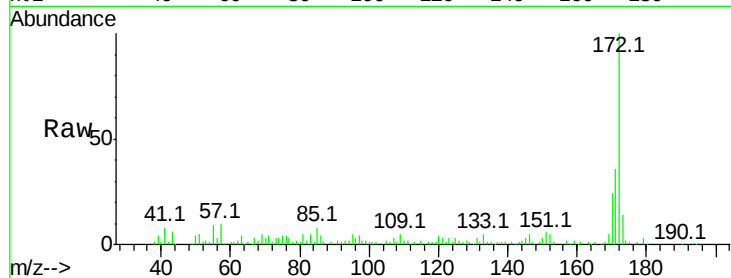
Tot Ion:172 Resp: 81868

Ion Ratio Lower Upper

172 100

171 35.6 29.6 44.4

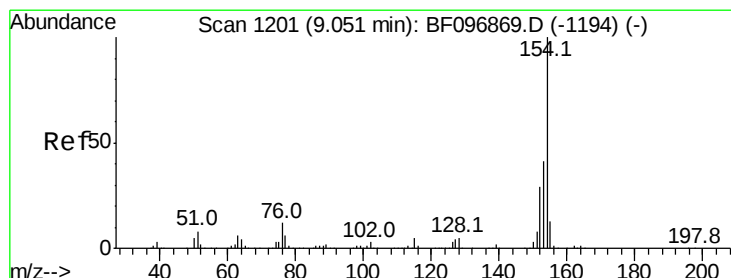
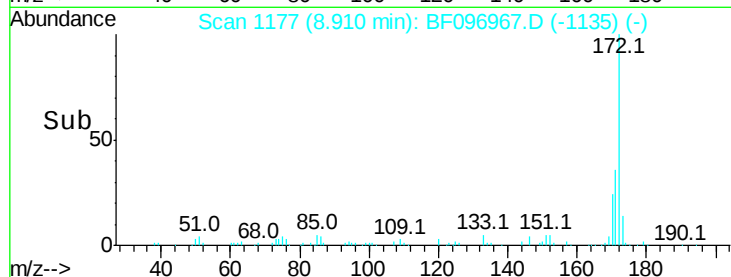
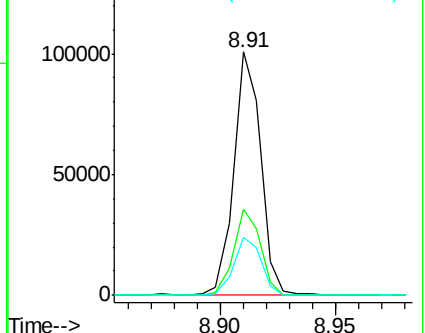
170 24.0 19.8 29.8



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



#45

1,1'-Biphenyl

Concen: 4.555 ng

RT: 9.01 min Scan# 1194

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

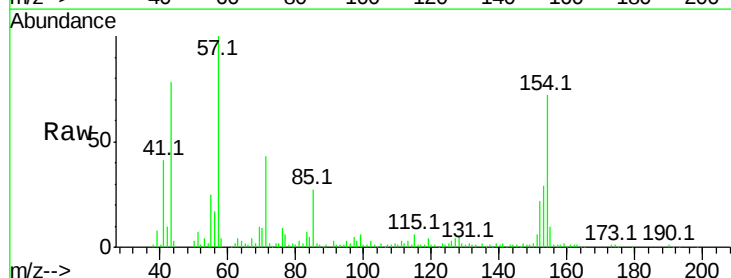
Tgt Ion:154 Resp: 58008

Ion Ratio Lower Upper

154 100

153 40.0 21.2 61.2

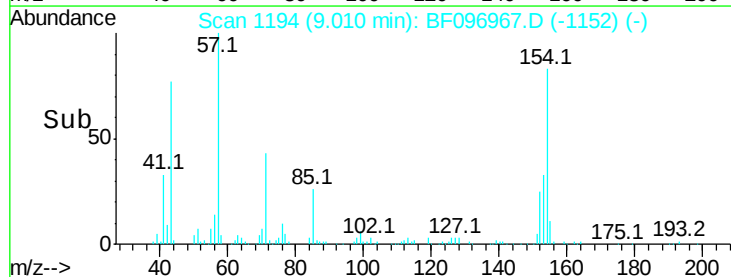
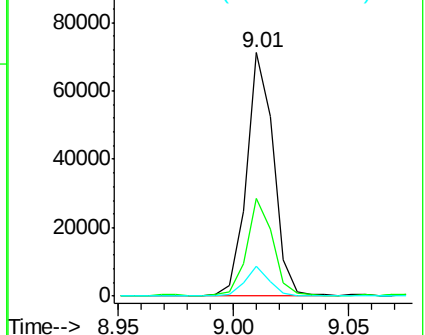
76 12.2 0.0 29.9

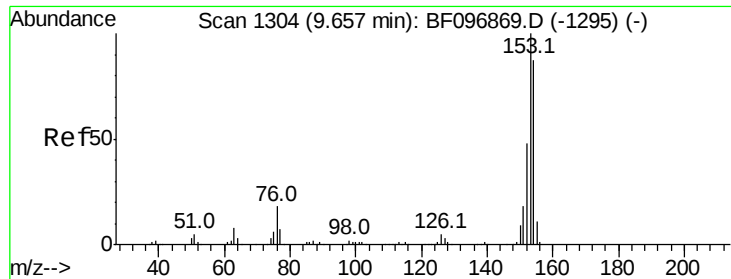


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#51

Acenaphthene

Concen: 3.989 ng

RT: 9.62 min Scan# 1297

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASEDL

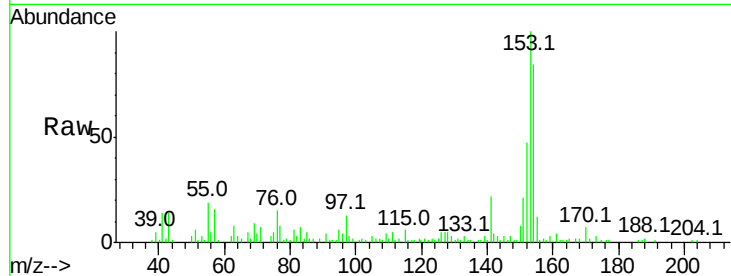
Tot Ion:154 Resp: 35213

Ion Ratio Lower Upper

154 100

153 118.9 90.5 135.7

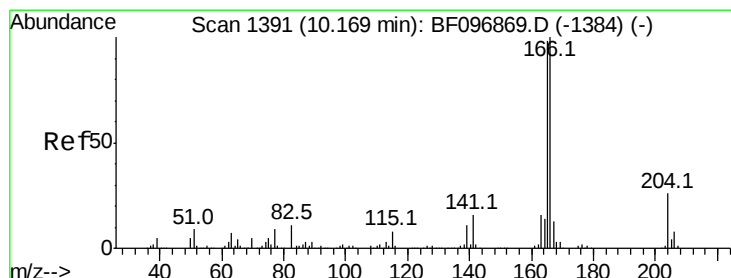
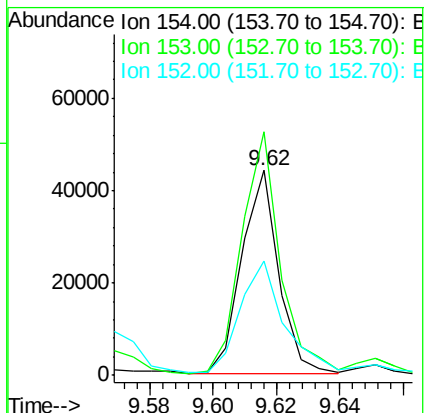
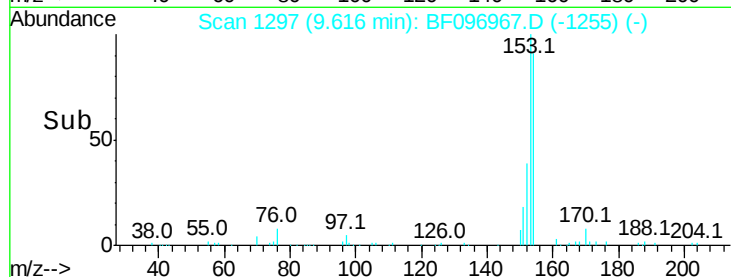
152 56.1 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.548 ng

RT: 10.13 min Scan# 1384

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

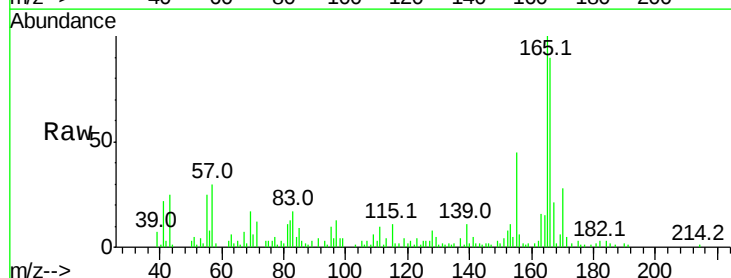
Tgt Ion:166 Resp: 23290

Ion Ratio Lower Upper

166 100

165 110.9 78.8 118.2

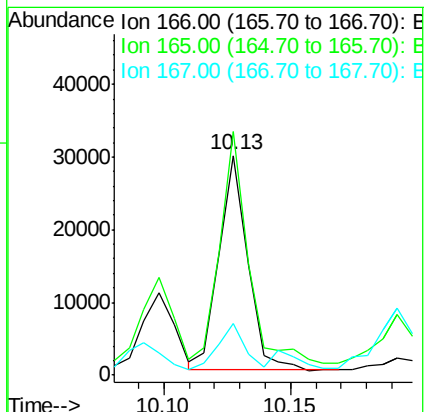
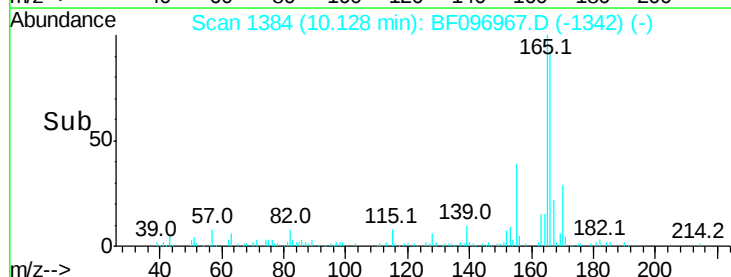
167 23.7 10.6 16.0#

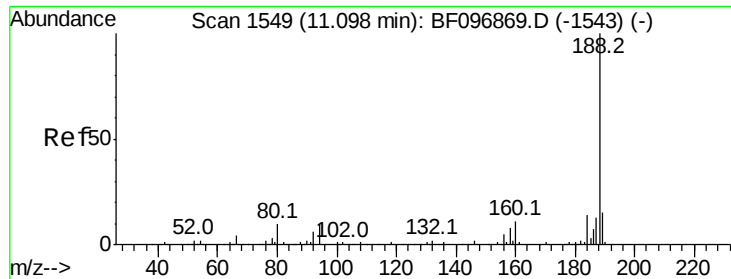


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

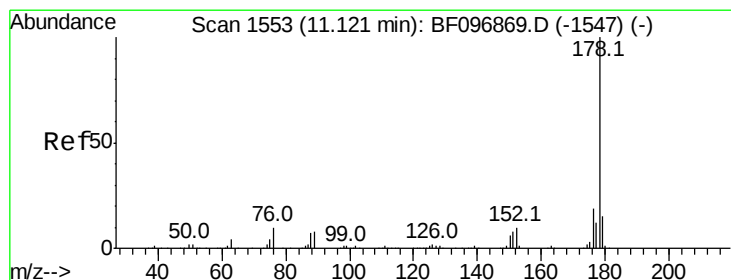
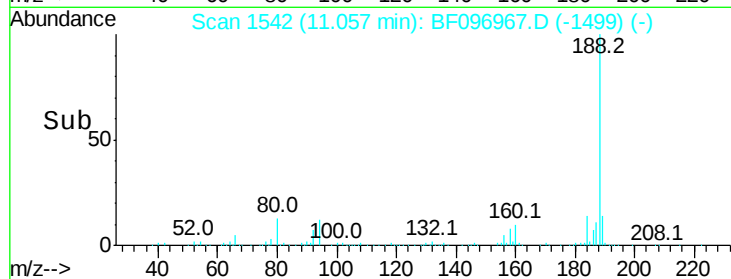
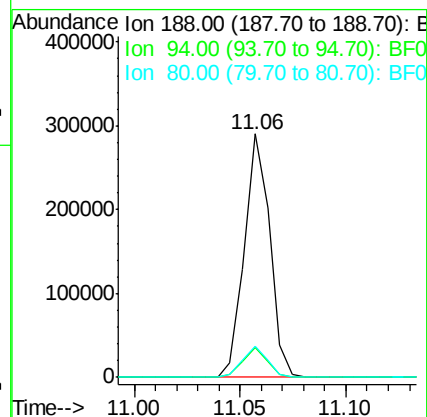
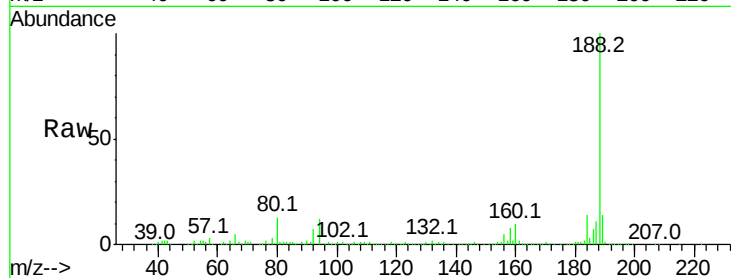




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.06 min Scan# 1542
Delta R.T. -0.05 min
Lab File: BF096967.D
Acq: 22 Jul 2017 3:43

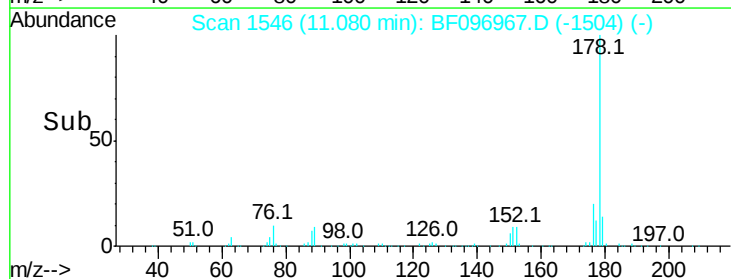
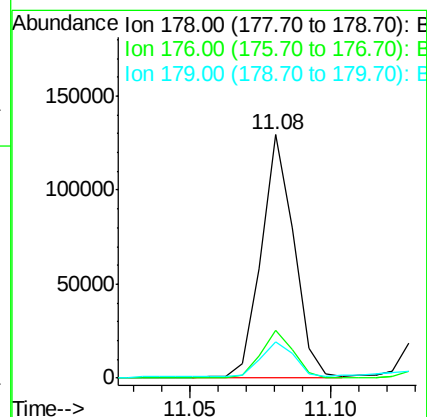
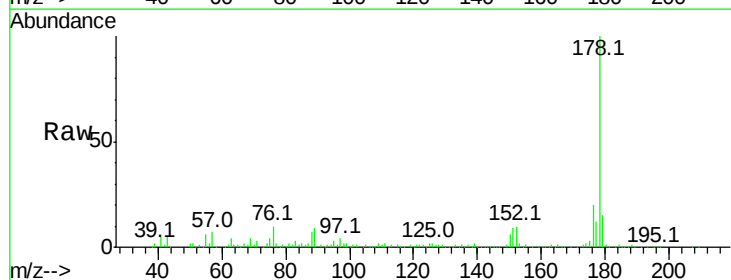
Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-BASEDL

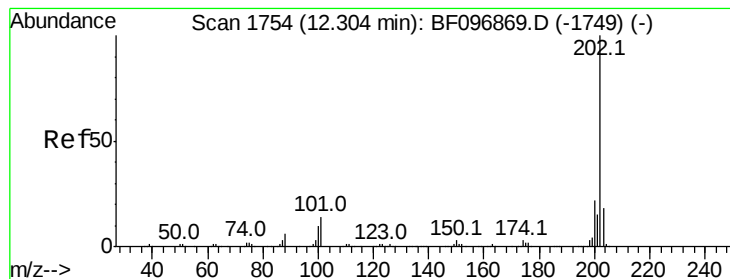
Tot Ion:188 Resp: 241437
Ion Ratio Lower Upper
188 100
94 12.3 9.4 14.2
80 12.9 10.2 15.2



#70
Phenanthrene
Concen: 7.961 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.05 min
Lab File: BF096967.D
Acq: 22 Jul 2017 3:43

Tgt Ion:178 Resp: 104505
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 14.8 12.6 19.0





#74

Fluoranthene

Concen: 4.363 ng

RT: 12.26 min Scan# 1747

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASEDL

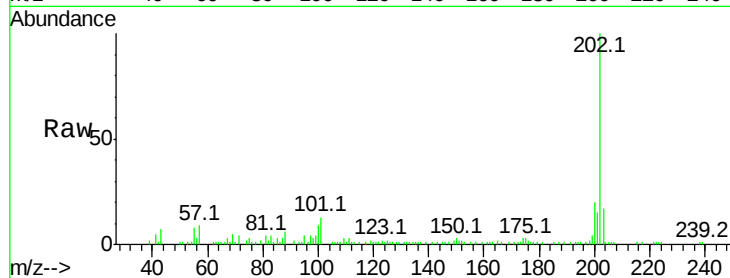
Tot Ion:202 Resp: 54819

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

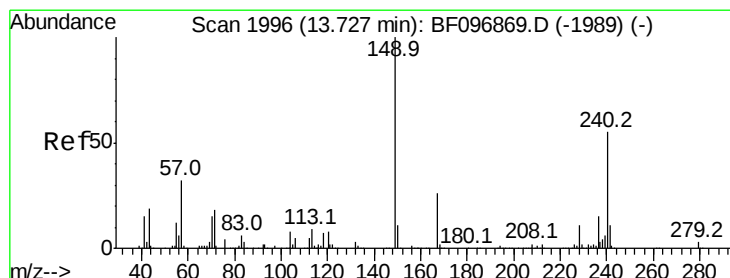
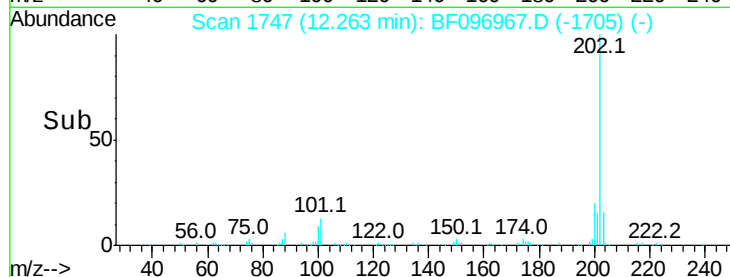
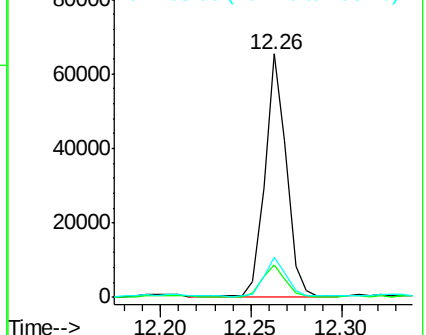
203 16.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.69 min Scan# 1989

Delta R.T. -0.05 min

Lab File: BF096967.D

Acq: 22 Jul 2017 3:43

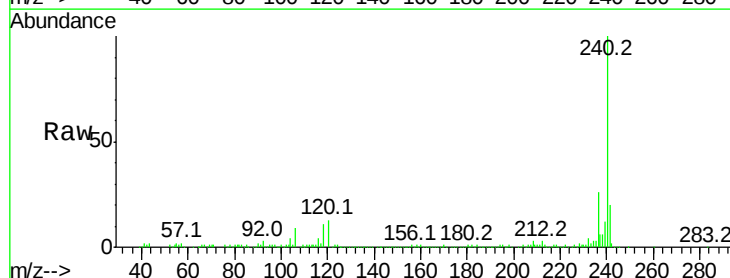
Tgt Ion:240 Resp: 232840

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

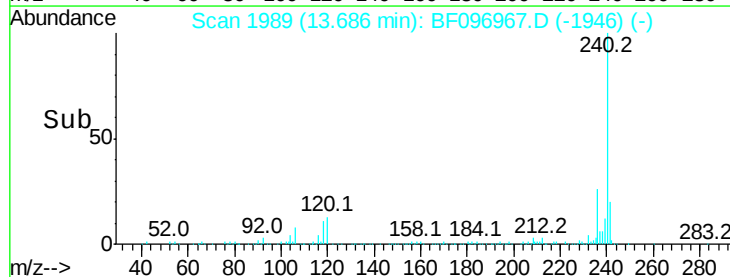
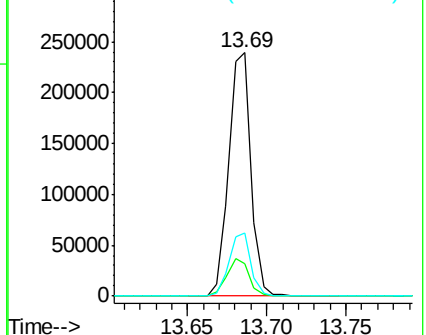
236 25.9 20.5 30.7

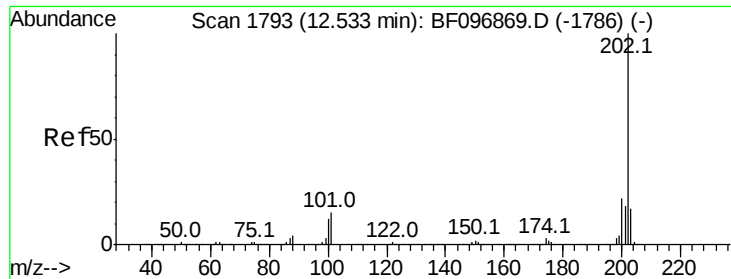


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

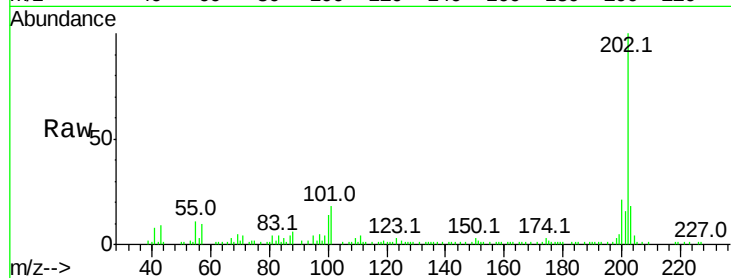




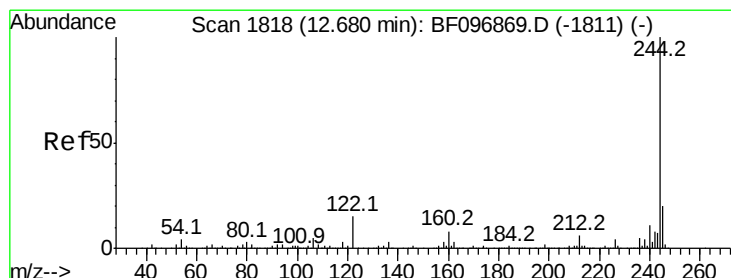
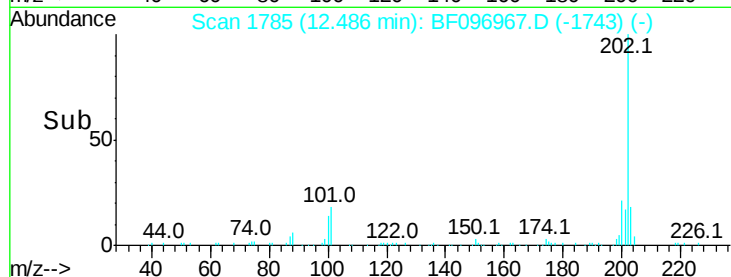
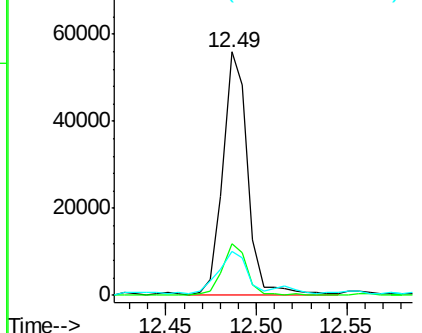
#77
Pvrene
Concen: 2.549 ng
RT: 12.49 min Scan# 1785
Delta R.T. -0.05 min
Lab File: BF096967.D
Acq: 22 Jul 2017 3:43

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-BASEDL

Tot Ion:202 Resp: 53865
Ion Ratio Lower Upper
202 100
200 21.3 17.6 26.4
203 18.2 14.4 21.6

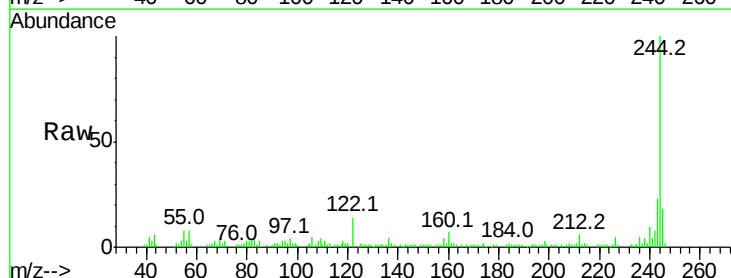


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

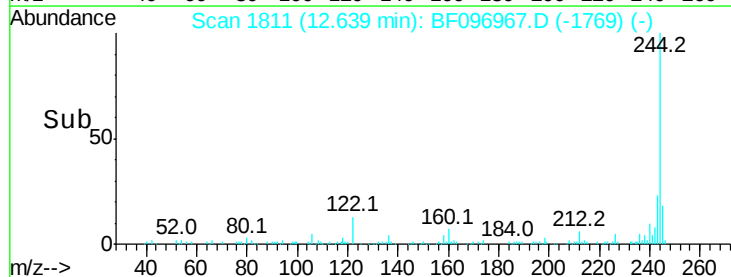
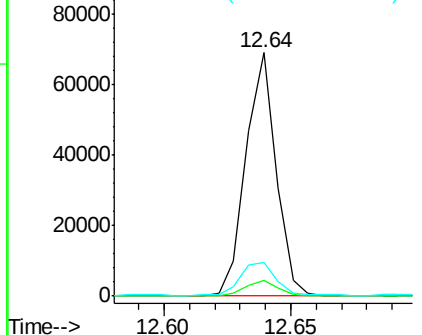


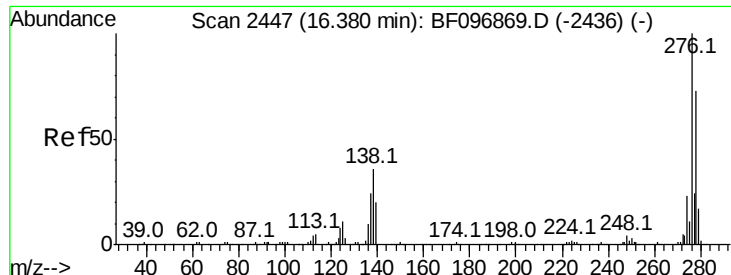
#78
Terphenyl-d14
Concen: 4.284 ng
RT: 12.64 min Scan# 1811
Delta R.T. -0.05 min
Lab File: BF096967.D
Acq: 22 Jul 2017 3:43

Tgt Ion:244 Resp: 57516
Ion Ratio Lower Upper
244 100
212 6.3 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

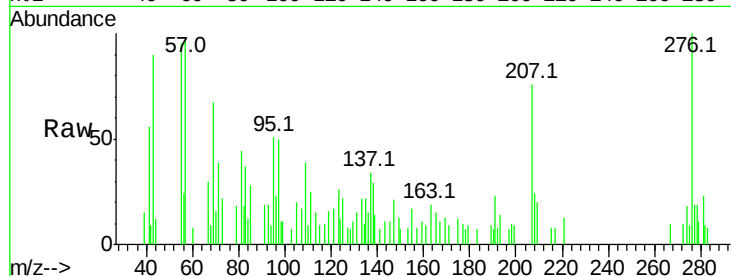




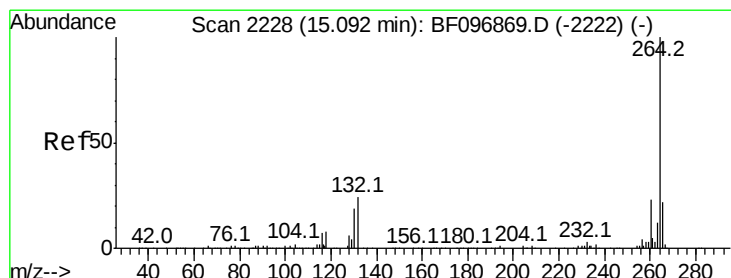
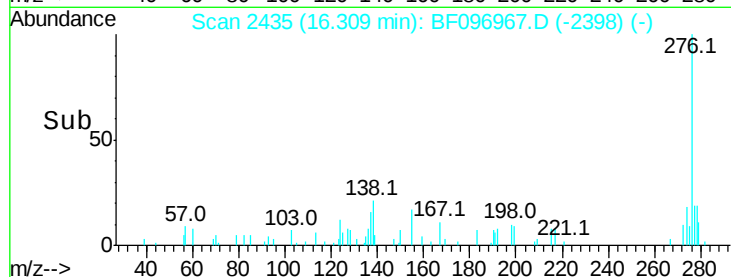
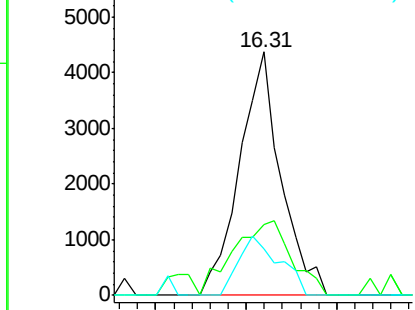
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.835 ng
 RT: 16.31 min Scan# 2435
 Delta R.T. -0.08 min
 Lab File: BF096967.D
 Acq: 22 Jul 2017 3:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-BASEDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	43.2	27.8	41.6#
277	23.8	20.2	30.4

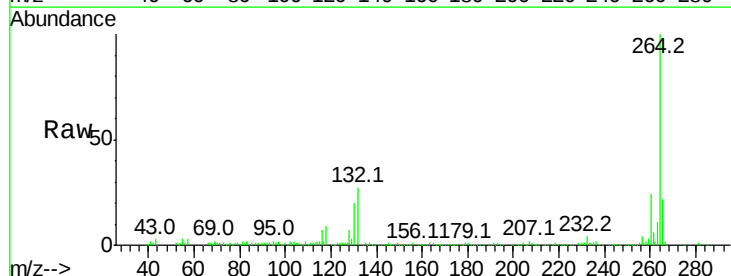


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.04 min Scan# 2220
 Delta R.T. -0.06 min
 Lab File: BF096967.D
 Acq: 22 Jul 2017 3:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.7	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

