

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097782.D
 Acq On : 17 Aug 2017 11:56
 Operator : SJ/JU
 Sample : I4797-04 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-J9-SSW

Quant Time: Aug 17 15:19:35 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

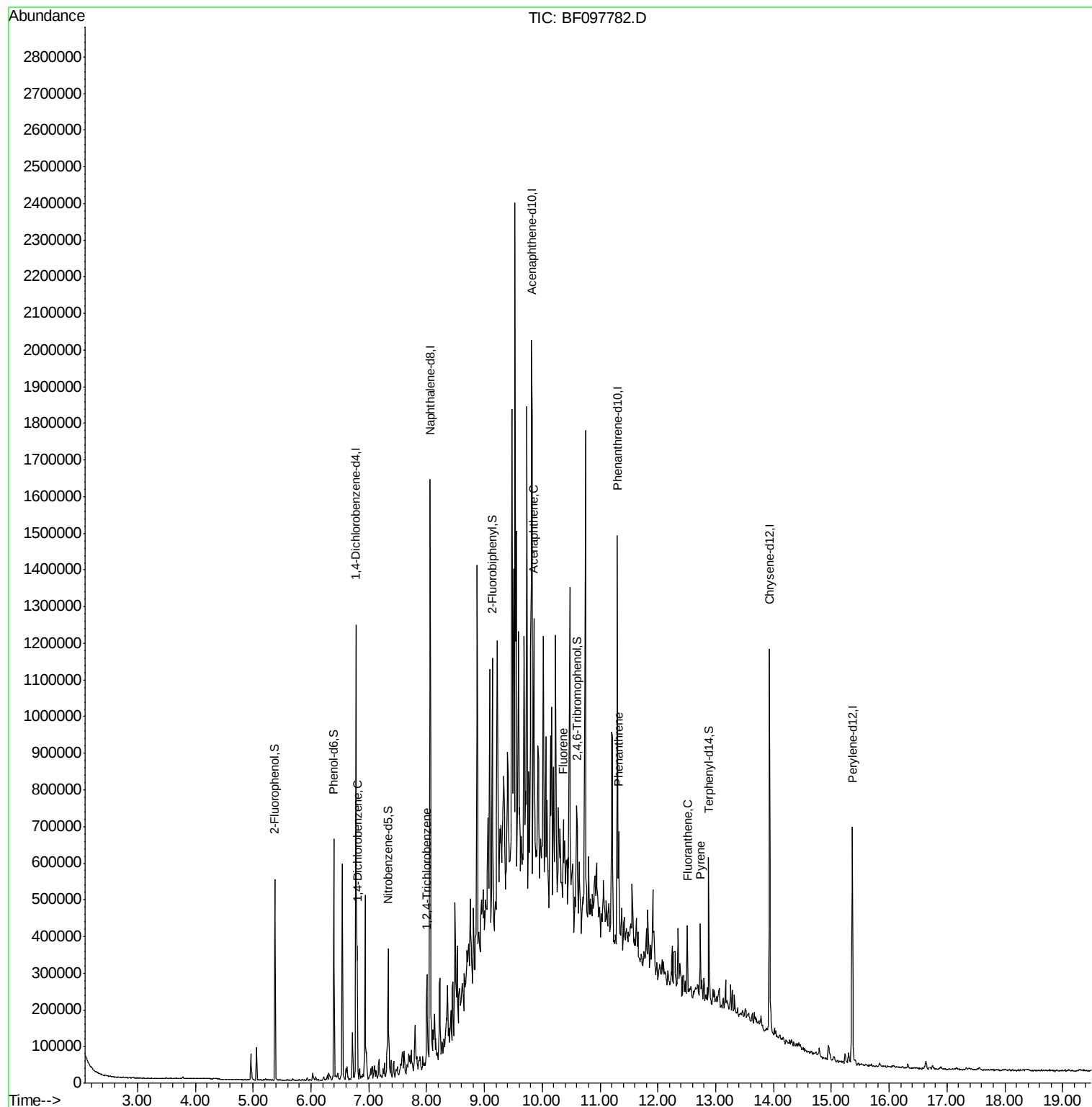
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	162963	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	618678	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	252267	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	377842	20.00	ng	0.00
75) Chrysene-d12	13.93	240	329652	20.00	ng	0.00
86) Perylene-d12	15.36	264	270475	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	140810	13.14	ng	-0.01
7) Phenol-d6	6.40	99	190897	13.11	ng	-0.01
23) Nitrobenzene-d5	7.33	82	112284	9.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	21321	9.74	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	171317	9.98	ng	0.00
78) Terphenyl-d14	12.88	244	96441	6.10	ng	-0.01
Target Compounds						
13) 1,4-Dichlorobenzene	6.80	146	60266	4.876	ng	Qvalue # 94
30) 1,2,4-Trichlorobenzene	8.00	180	33275	3.661	ng	99
51) Acenaphthene	9.85	154	133623	7.938	ng	99
57) Fluorene	10.36	166	43810	2.512	ng	# 95
70) Phenanthrene	11.32	178	84215	4.183	ng	# 95
74) Fluoranthene	12.51	202	58306	2.774	ng	98
77) Pyrene	12.73	202	81963	3.040	ng	97

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

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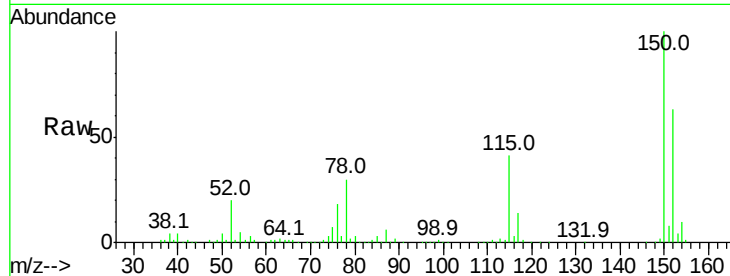


#1

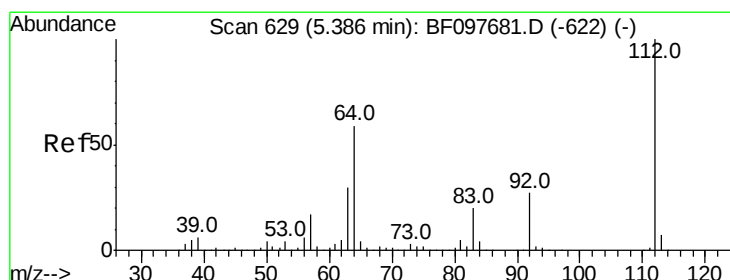
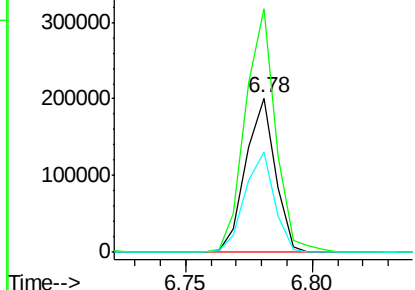
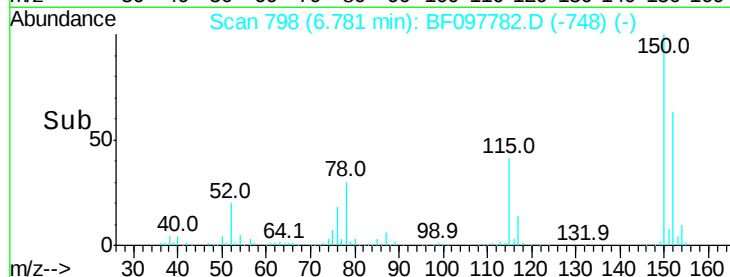
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097782.D
Acq: 17 Aug 2017 11:56

Instrument :
BNA_F
ClientSampleId :
E2-J9-SSW

Tot Ion:152 Resp: 162963
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 64.6 52.2 78.2



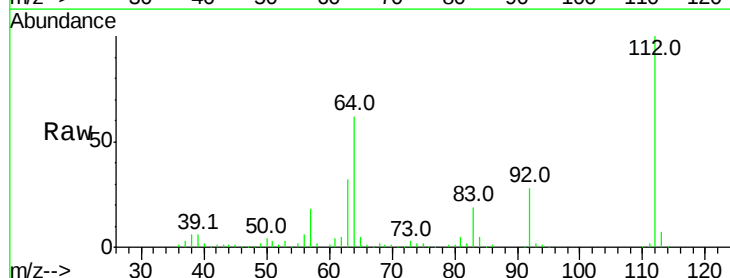
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



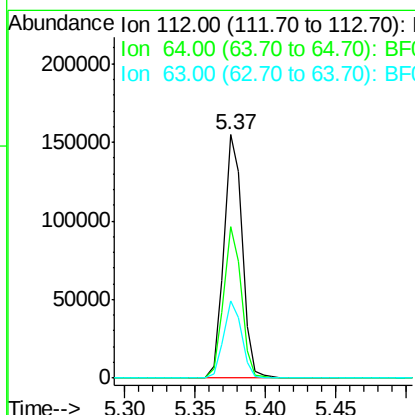
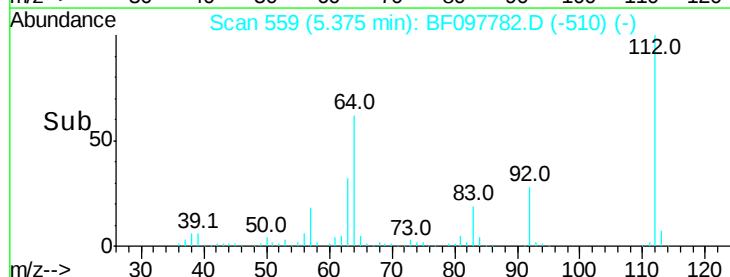
#5

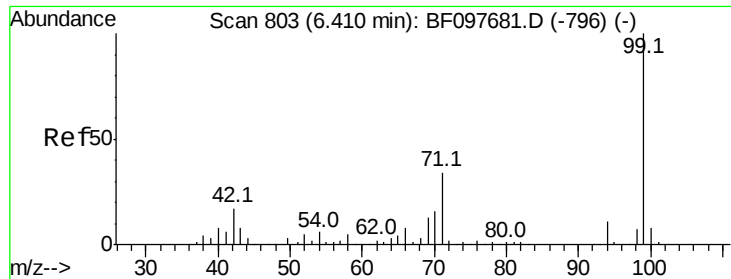
2-Fluorophenol
Concen: 13.143 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097782.D
Acq: 17 Aug 2017 11:56

Tgt Ion:112 Resp: 140810
Ion Ratio Lower Upper
112 100
64 62.3 46.0 69.0
63 31.9 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: 13.114 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097782.D

Acq: 17 Aug 2017 11:56

Instrument :

BNA_F

ClientSampleId :

E2-J9-SSW

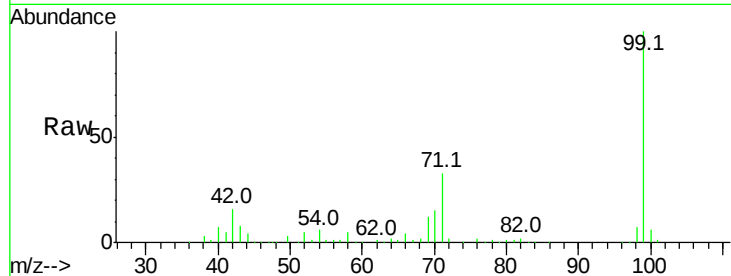
Tot Ion: 99 Resp: 190897

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

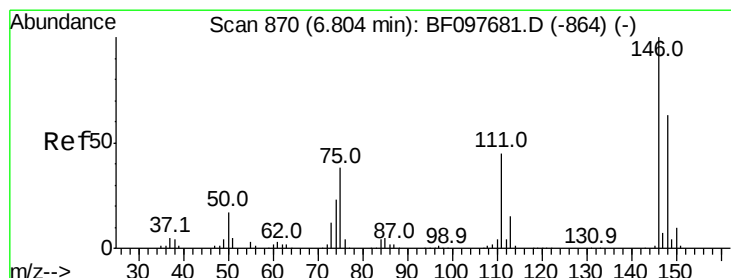
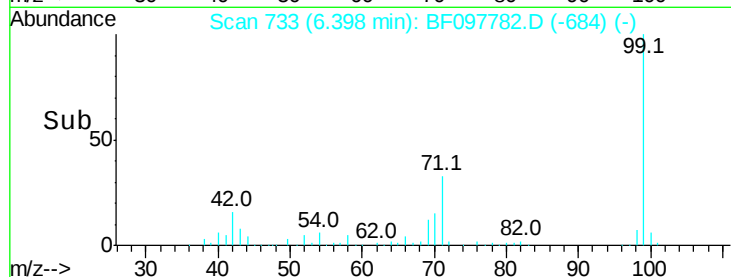
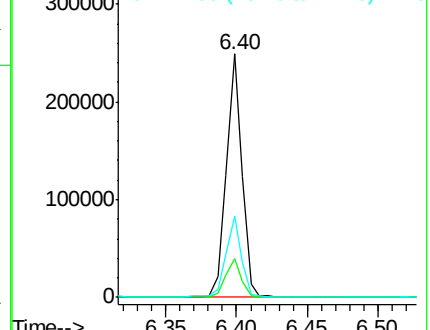
71 33.3 24.5 36.7



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



#13

1,4-Dichlorobenzene

Concen: 4.876 ng

RT: 6.80 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF097782.D

Acq: 17 Aug 2017 11:56

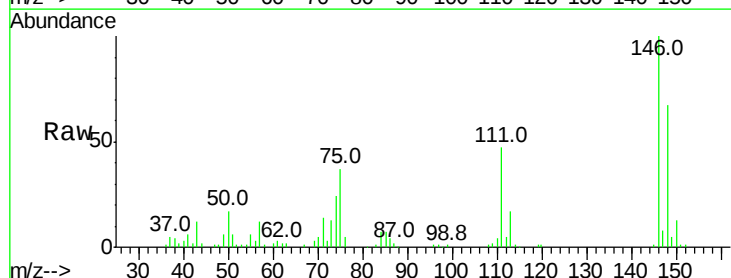
Tgt Ion: 146 Resp: 60266

Ion Ratio Lower Upper

146 100

148 66.7 52.2 78.2

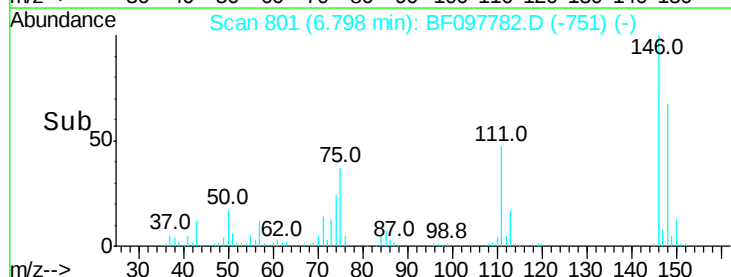
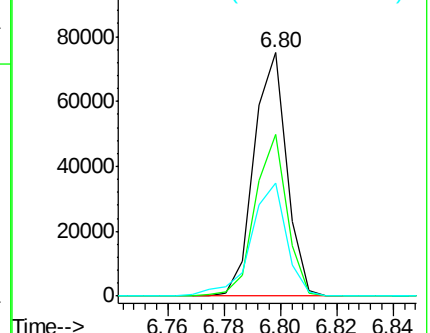
111 46.5 30.3 45.5#



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: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097782.D

Acq: 17 Aug 2017 11:56

Instrument :

BNA_F

ClientSampleId :

E2-J9-SSW

Tot Ion:136 Resp: 618678

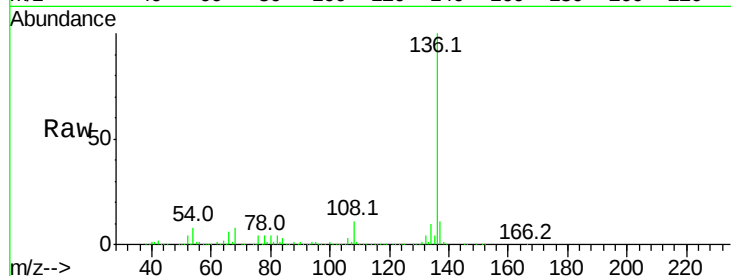
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.9 4.9 7.3#

68 7.9 4.1 6.1#

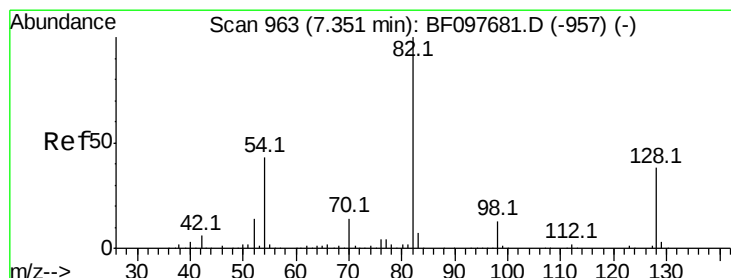
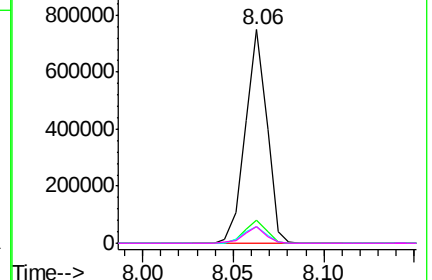
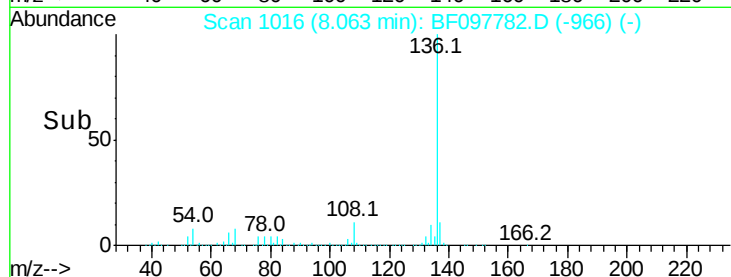


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.859 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097782.D

Acq: 17 Aug 2017 11:56

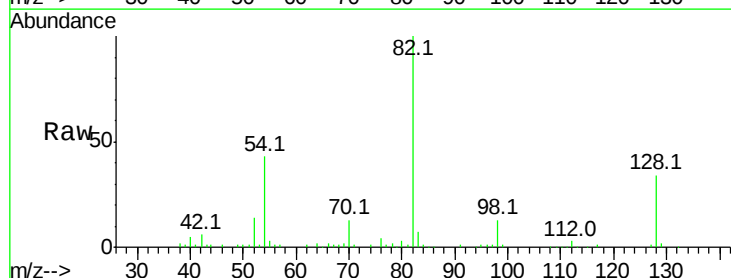
Tgt Ion: 82 Resp: 112284

Ion Ratio Lower Upper

82 100

128 34.1 34.0 51.0

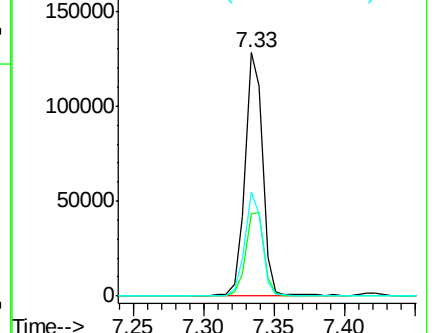
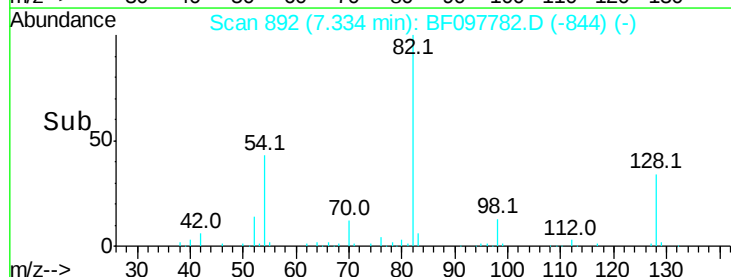
54 42.6 42.2 63.2

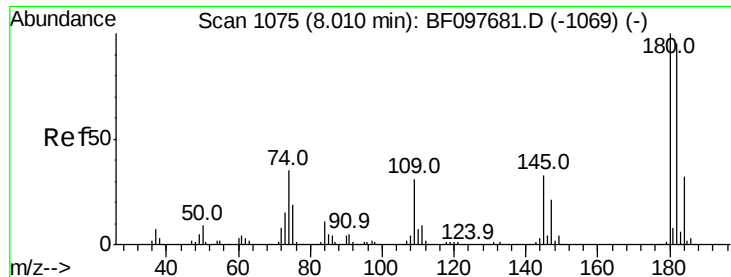


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

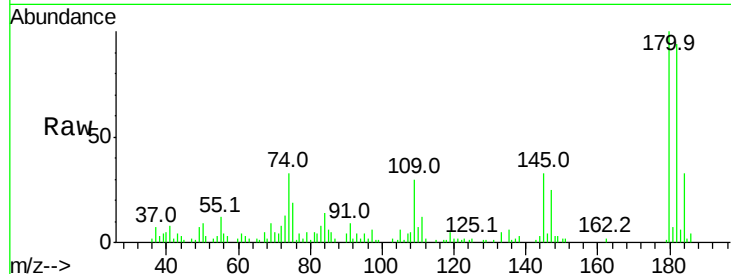




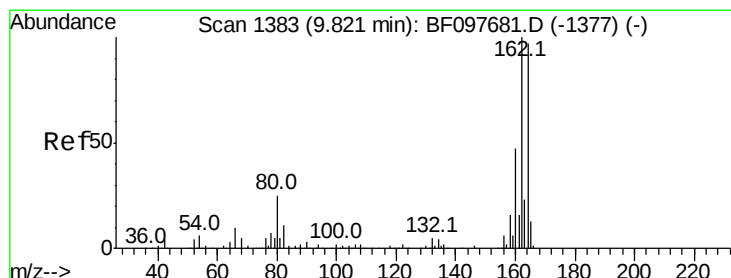
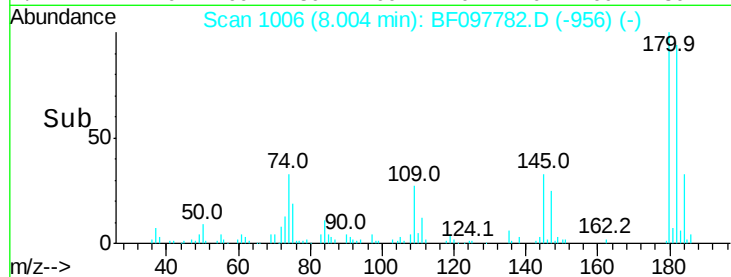
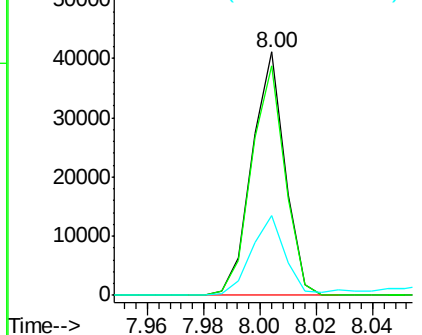
#30
 1,2,4-Trichlorobenzene
 Concen: 3.661 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

Instrument :
 BNA_F
 ClientSampleId :
 E2-J9-SSW

Tot Ion:180 Resp: 33275
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.8 113.6
 145 32.8 25.3 37.9

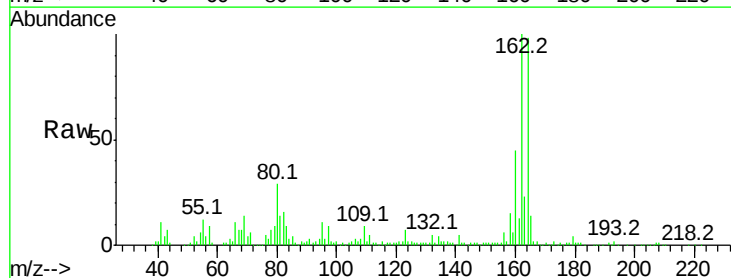


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

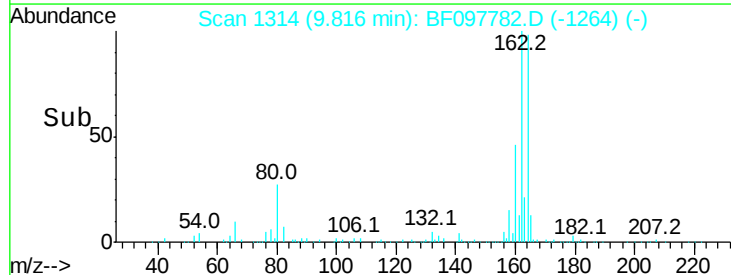
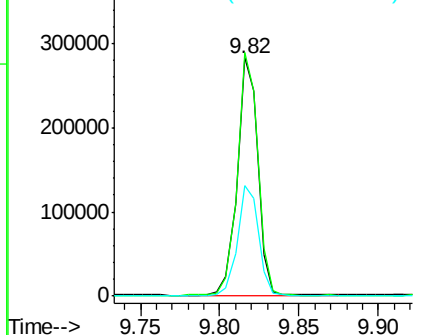


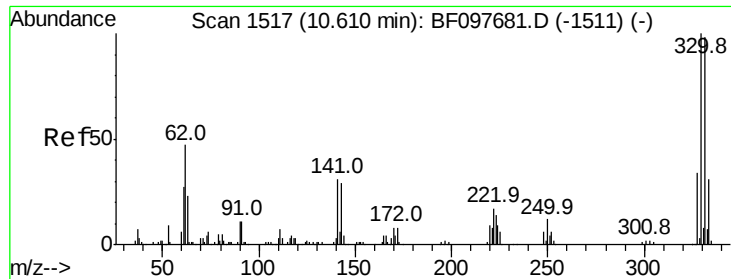
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

Tgt Ion:164 Resp: 252267
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.6 123.8
 160 46.4 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

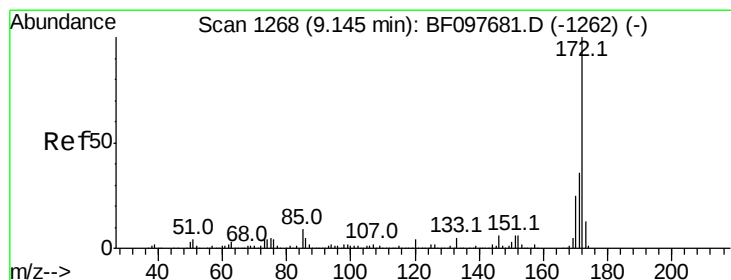
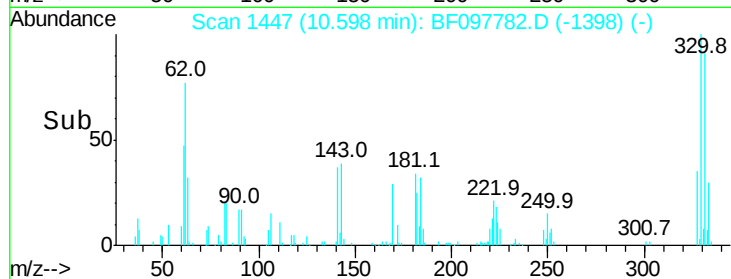
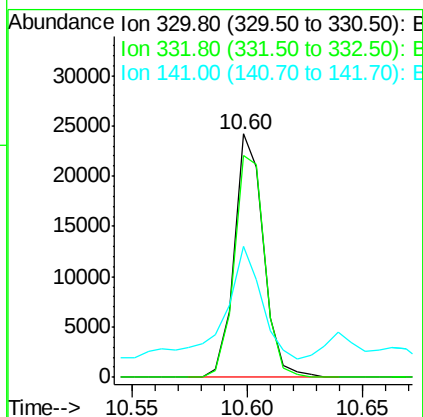
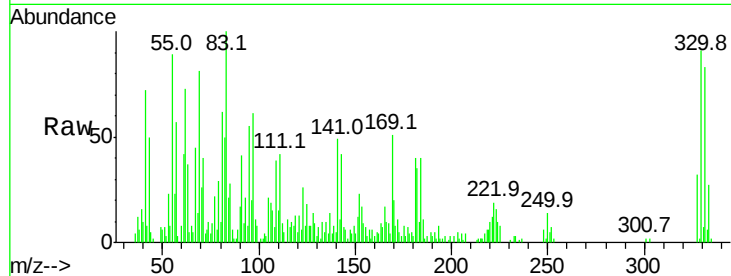




#41
 2,4,6-Tribromophenol
 Concen: 9.741 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

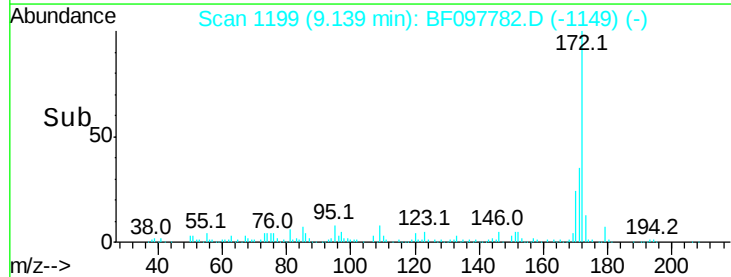
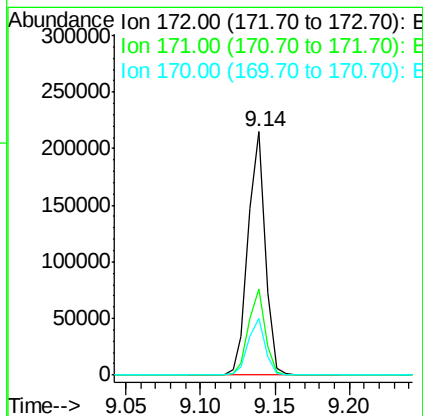
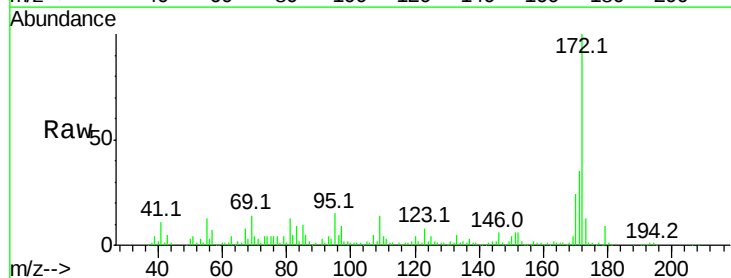
Instrument :
 BNA_F
 ClientSampleId :
 E2-J9-SSW

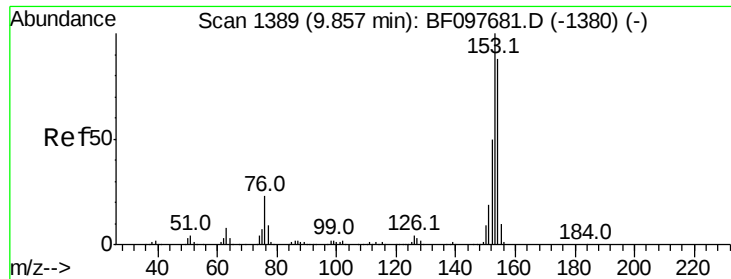
Tot Ion:330 Resp: 21321
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.6 115.0
 141 58.2 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 9.978 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

Tgt Ion:172 Resp: 171317
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 23.6 19.8 29.8





#51

Acenaphthene

Concen: 7.938 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF097782.D

Acq: 17 Aug 2017 11:56

Instrument :

BNA_F

ClientSampleId :

E2-J9-SSW

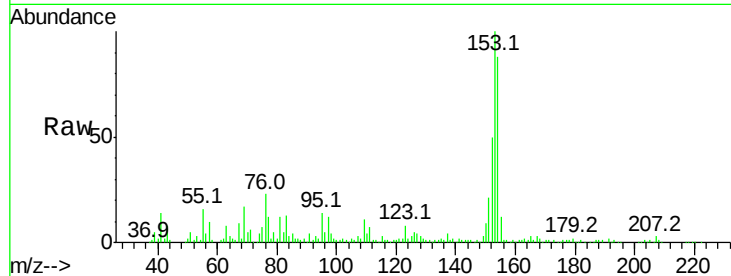
Tot Ion:154 Resp: 133623

Ion Ratio Lower Upper

154 100

153 113.1 90.5 135.7

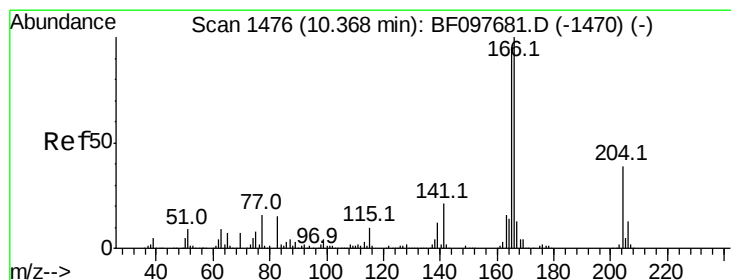
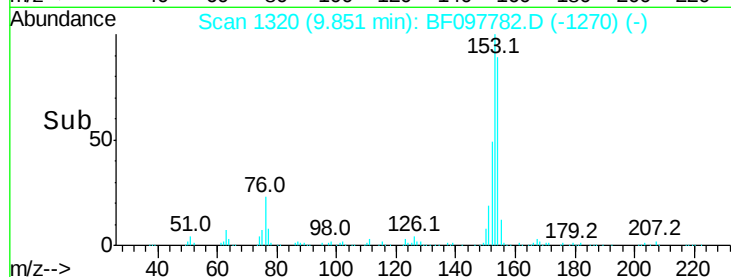
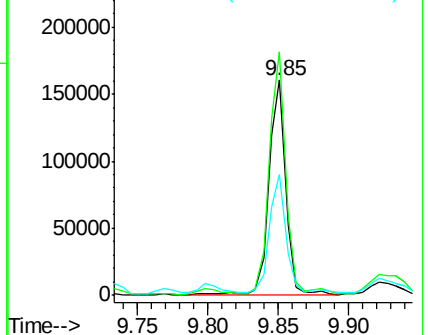
152 56.1 43.6 65.4



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: 2.512 ng

RT: 10.36 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF097782.D

Acq: 17 Aug 2017 11:56

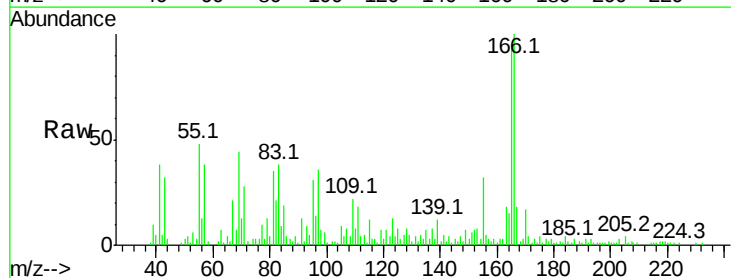
Tgt Ion:166 Resp: 43810

Ion Ratio Lower Upper

166 100

165 94.6 78.8 118.2

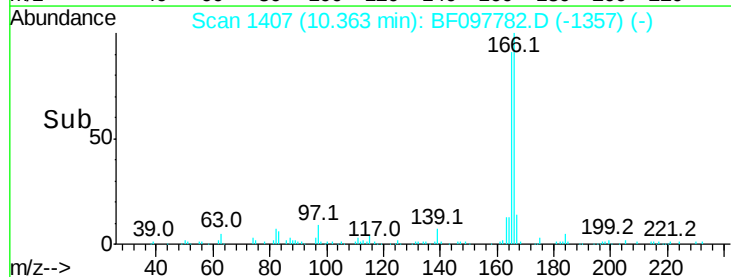
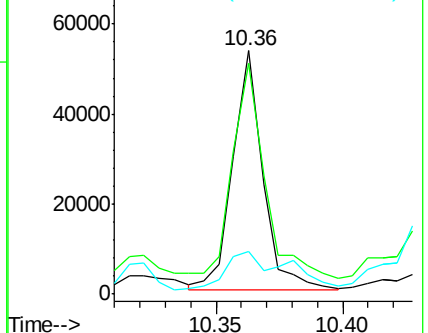
167 17.5 10.6 16.0#

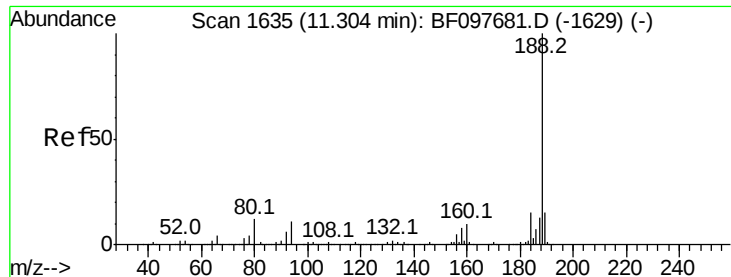


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

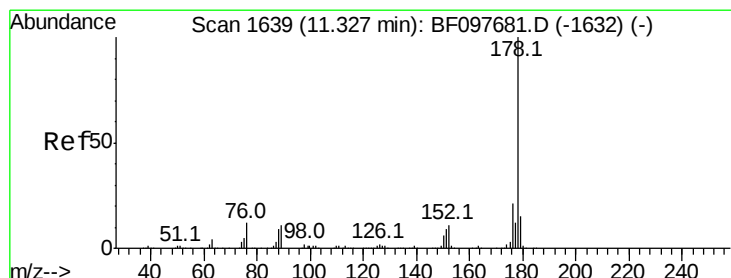
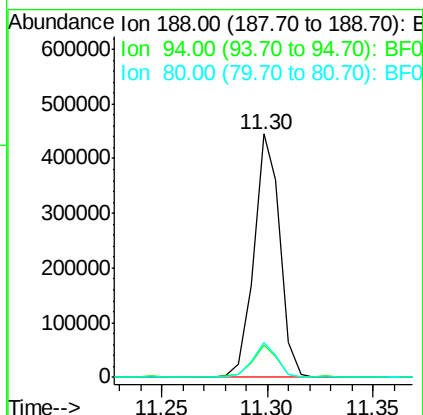
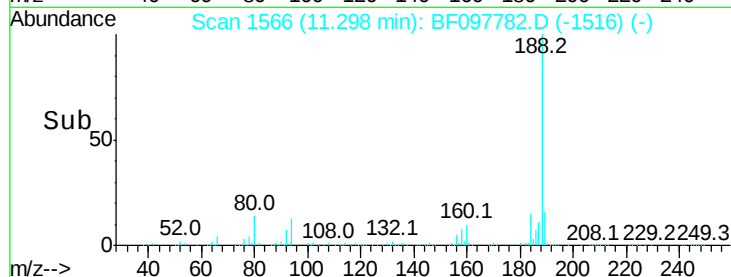
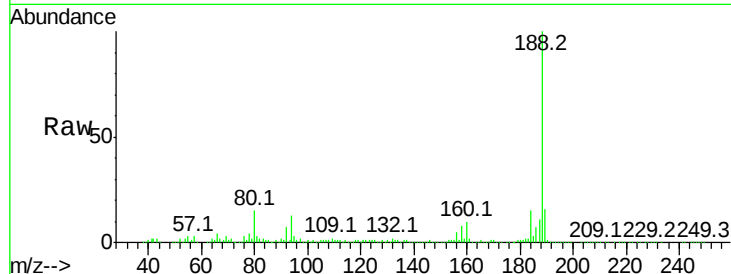




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097782.D
Acq: 17 Aug 2017 11:56

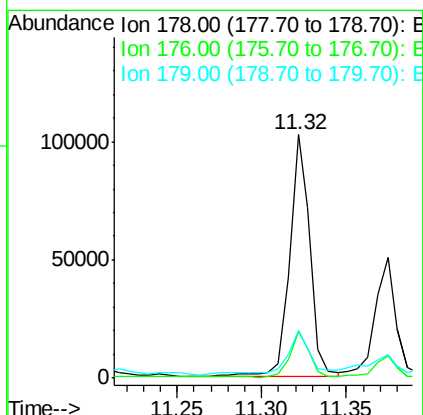
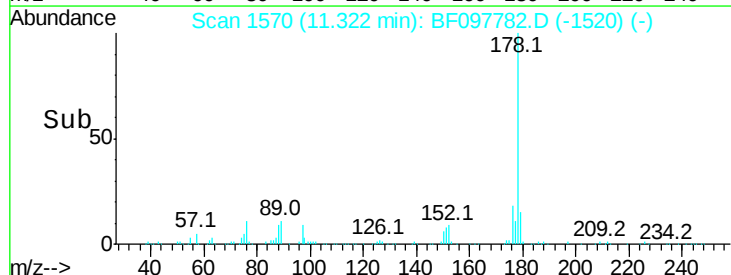
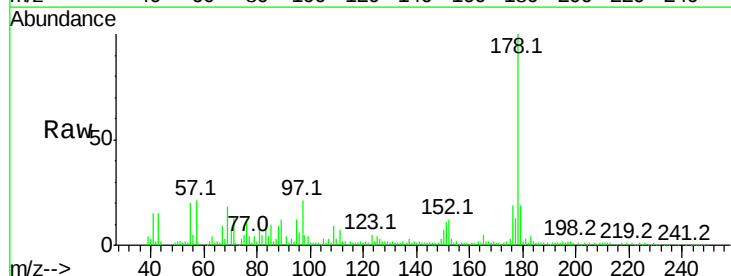
Instrument :
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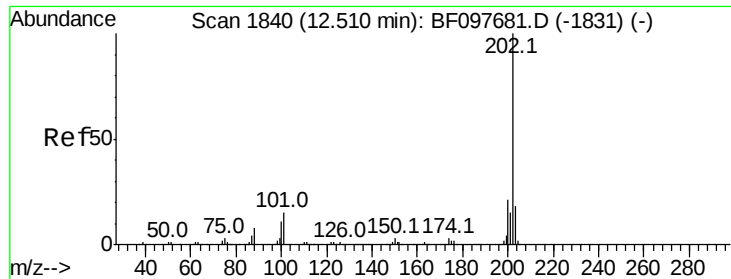
Tot Ion:188 Resp: 377842
Ion Ratio Lower Upper
188 100
94 13.1 9.4 14.2
80 14.6 10.2 15.2



#70
Phenanthrene
Concen: 4.183 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097782.D
Acq: 17 Aug 2017 11:56

Tgt Ion:178 Resp: 84215
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 19.5 12.6 19.0#





#74

Fluoranthene

Concen: 2.774 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097782.D

Acq: 17 Aug 2017 11:56

Instrument :

BNA_F

ClientSampleId :

E2-J9-SSW

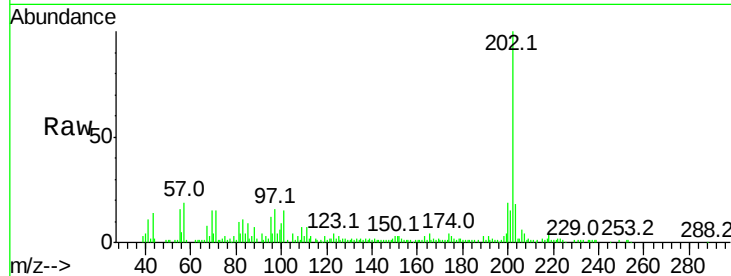
Tot Ion:202 Resp: 58306

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

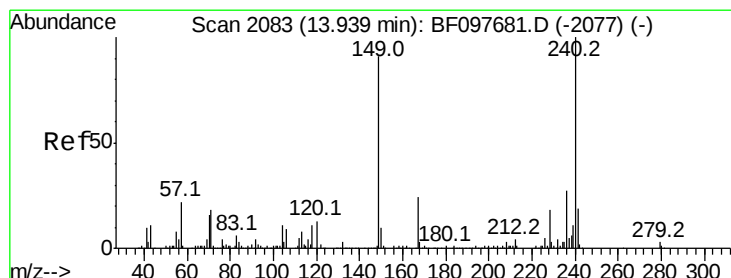
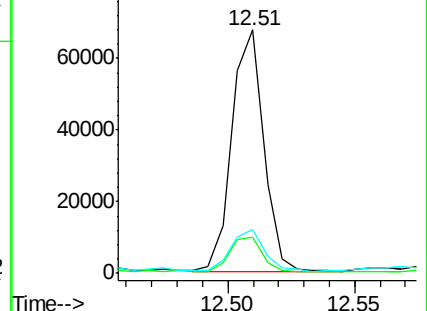
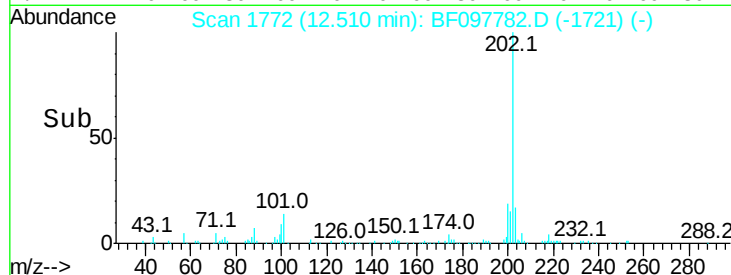
203 18.1 0.0 38.1



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: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097782.D

Acq: 17 Aug 2017 11:56

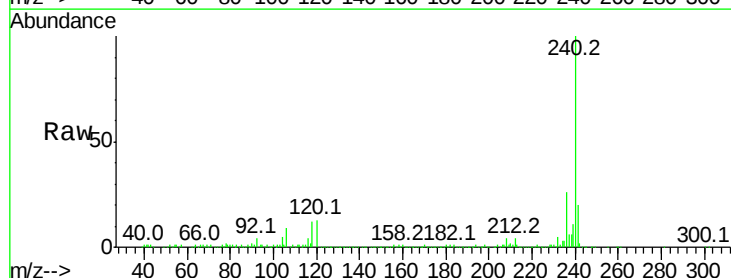
Tgt Ion:240 Resp: 329652

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

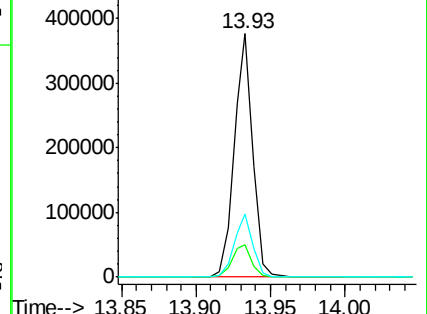
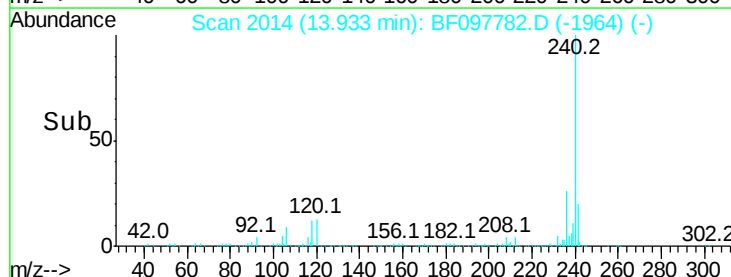
236 26.1 20.5 30.7

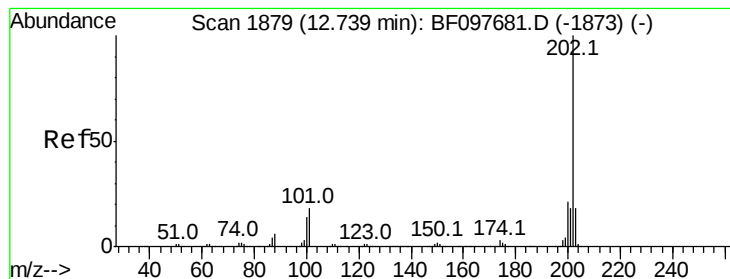


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.040 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097782.D

Acq: 17 Aug 2017 11:56

Instrument :

BNA_F

ClientSampleId :

E2-J9-SSW

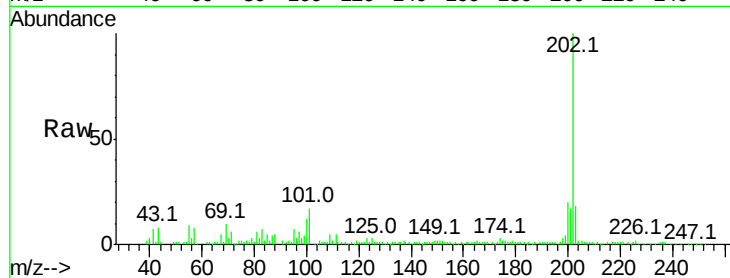
Tot Ion:202 Resp: 81963

Ion Ratio Lower Upper

202 100

200 19.6 17.6 26.4

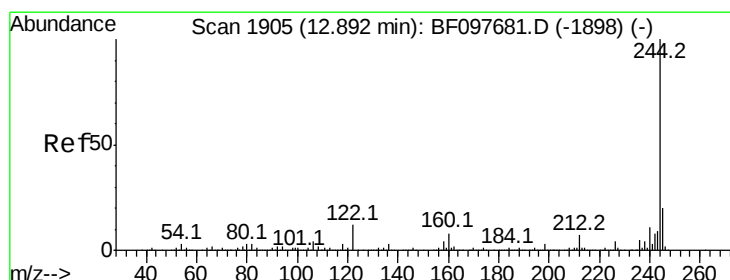
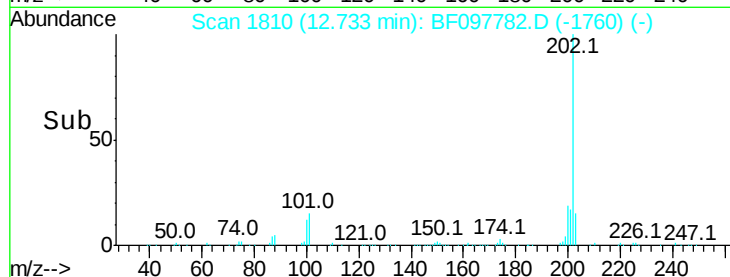
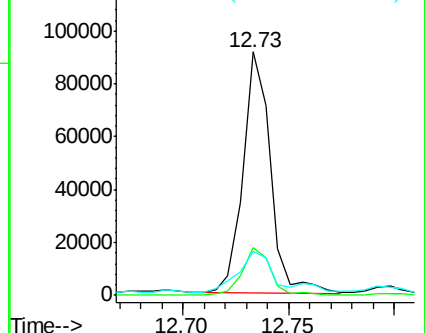
203 18.0 14.4 21.6



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: 6.101 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097782.D

Acq: 17 Aug 2017 11:56

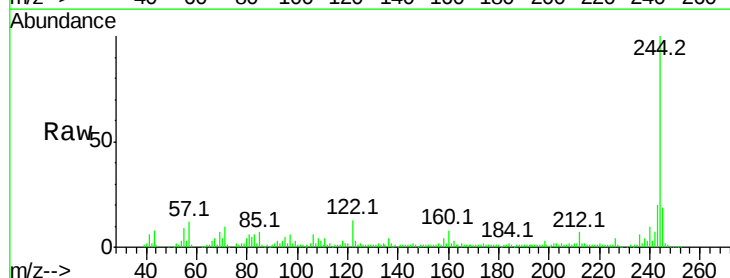
Tgt Ion:244 Resp: 96441

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

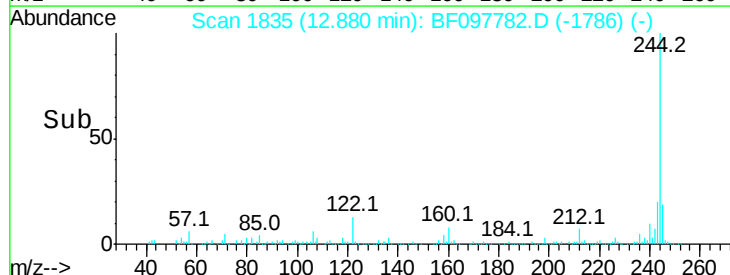
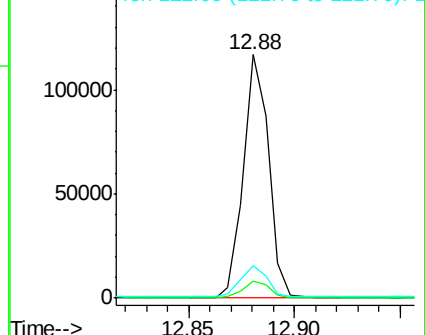
122 13.2 10.3 15.5

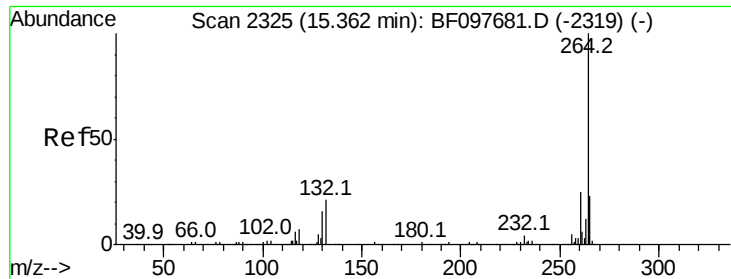


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

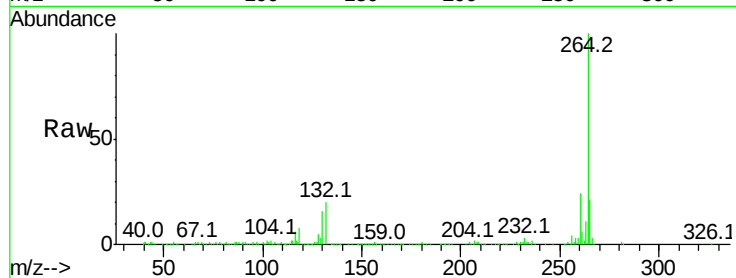




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097782.D
Acq: 17 Aug 2017 11:56

Instrument :
BNA_F
ClientSampleId :
E2-J9-SSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.2	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

