

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 :

Quant Time: Aug 17 14:58:23 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

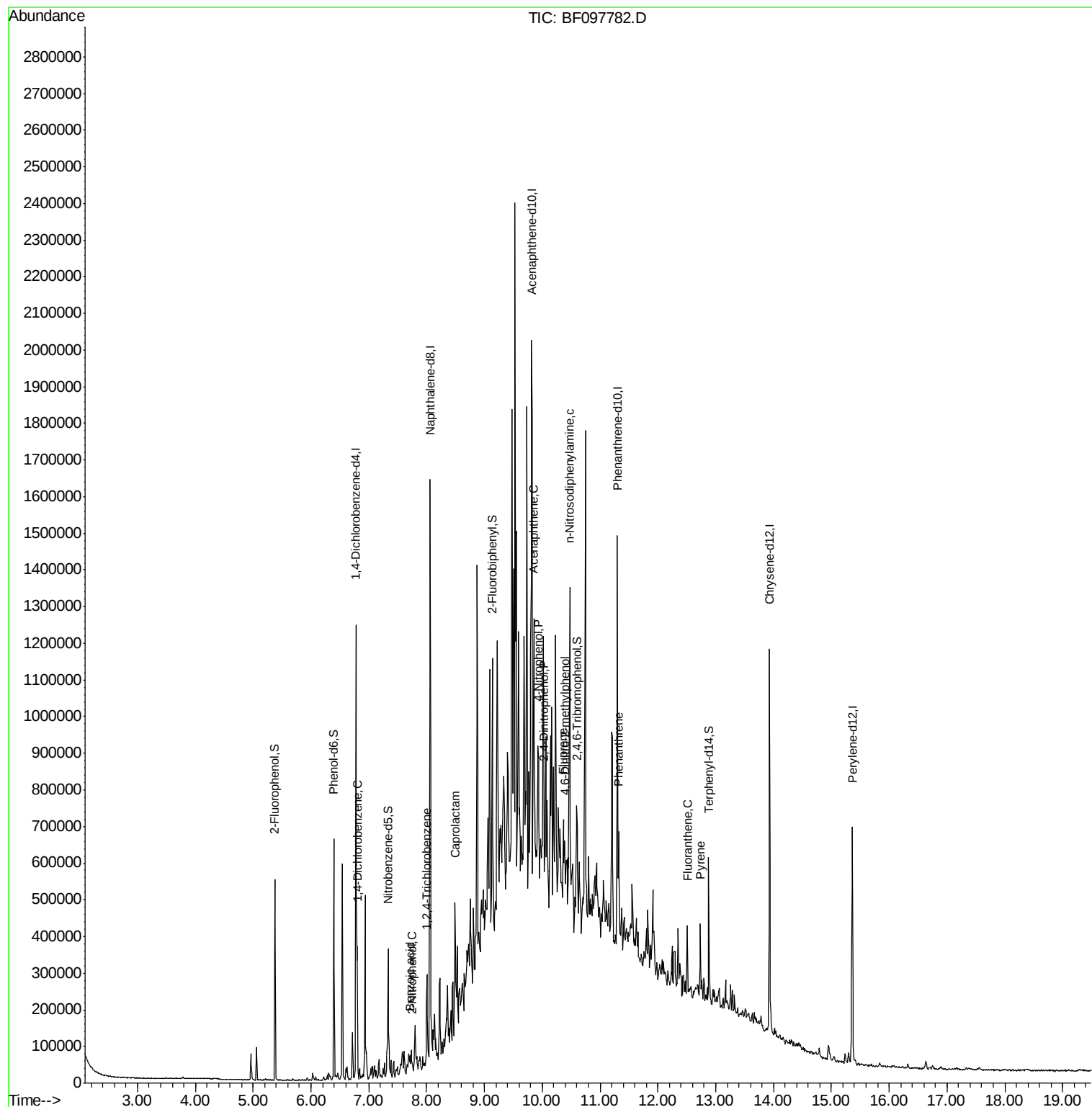
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) 1,4-Dichlorobenzene	6.80	146	60266	4.876	ng	# 94
26) 2-Nitrophenol	7.75	139	295	5.315	ng	# 1
30) 1,2,4-Trichlorobenzene	8.00	180	33275	3.661	ng	99
32) Benzoic acid	7.72	122	917	6.515	ng	# 1
35) Caprolactam	8.49	113	7239	2.597	ng	# 42
51) Acenaphthene	9.85	154	133623	7.938	ng	99
53) 2,4-Dinitrophenol	10.03	184	300	10.291	ng	# 1
55) 4-Nitrophenol	9.92	139	7617	2.011	ng	# 1
57) Fluorene	10.36	166	43810	2.512	ng	# 95
64) 4,6-Dinitro-2-methylphenol	10.39	198	119	8.376	ng	# 1
65) n-Nitrosodiphenylamine	10.47	169	36044	2.801	ng	# 60
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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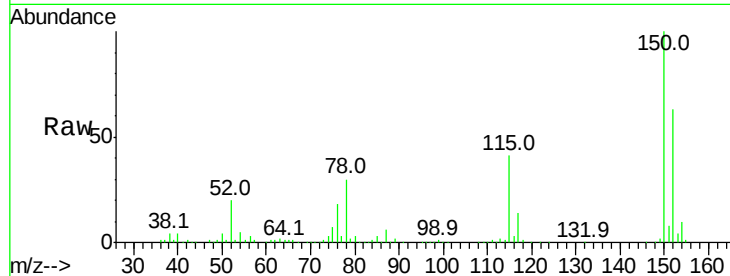


#1

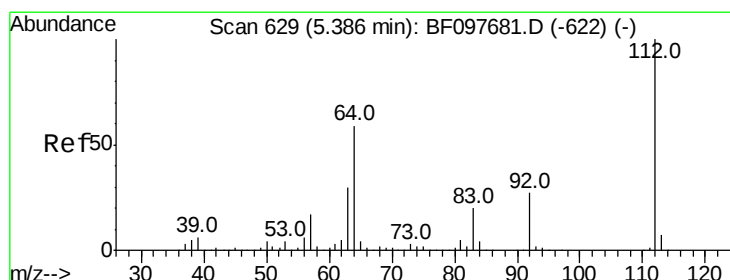
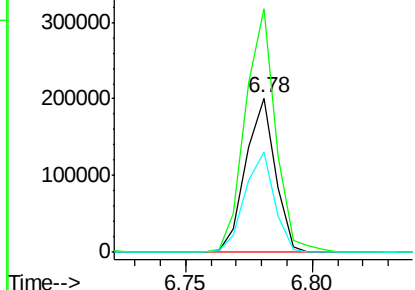
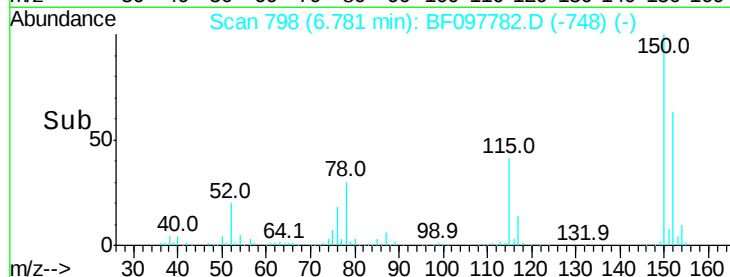
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

Instrument :
 BNA_F
 ClientSampleId :

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



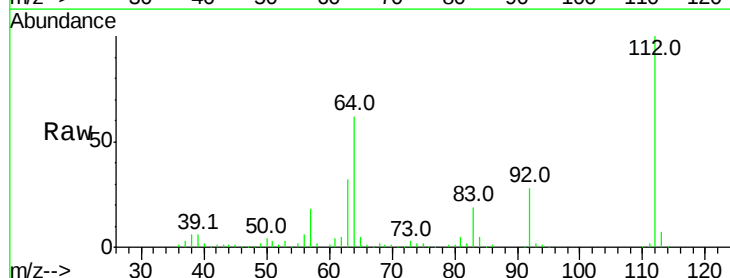
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



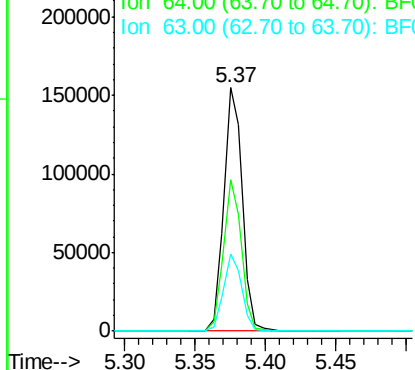
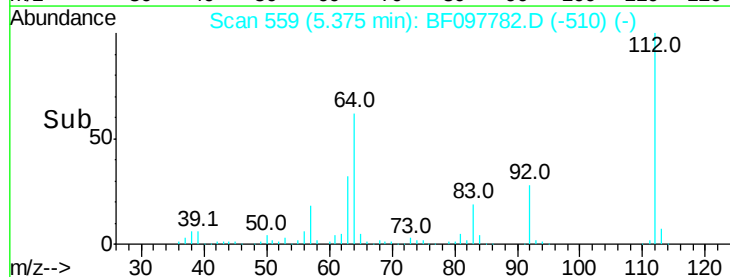
#5

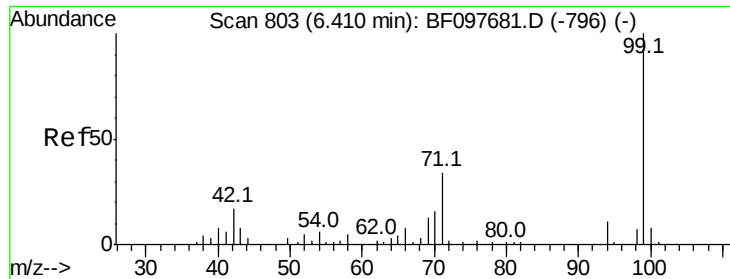
2-Fluorophenol
 Concen: 13.143 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

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 :

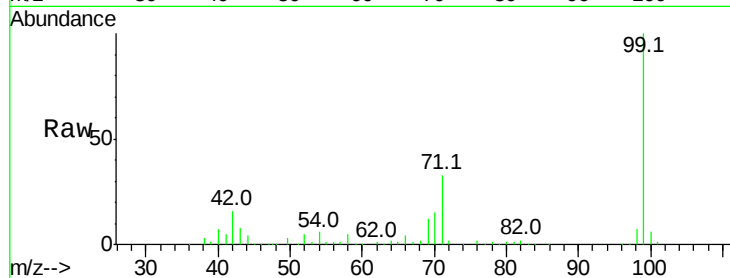
Tot Ion: 99 Resp: 190897

Ion Ratio Lower Upper

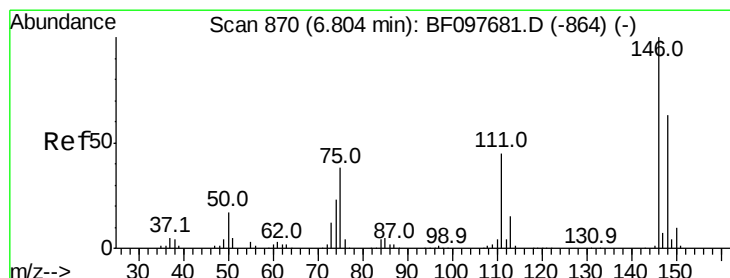
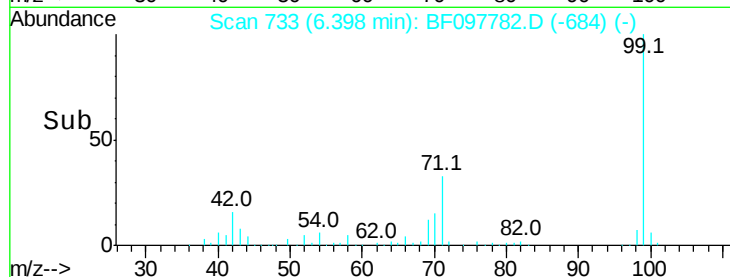
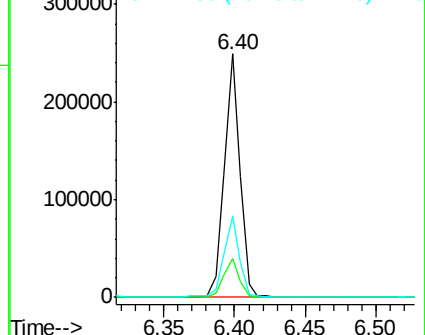
99 100

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

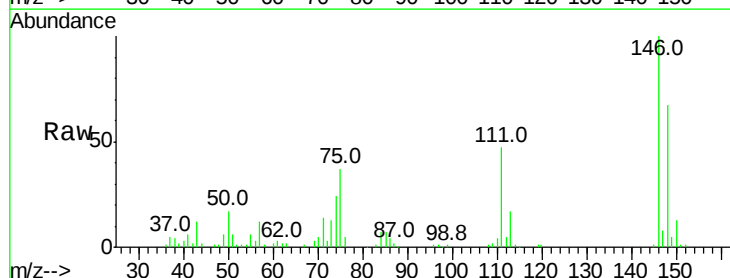
Tgt Ion: 146 Resp: 60266

Ion Ratio Lower Upper

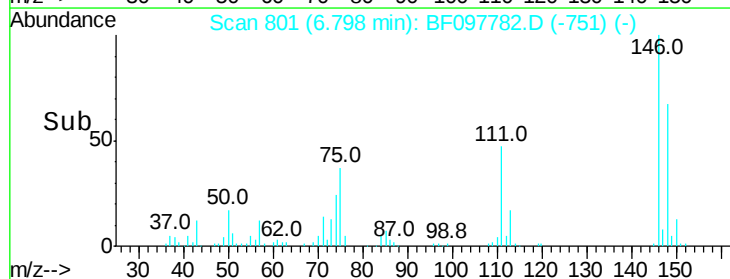
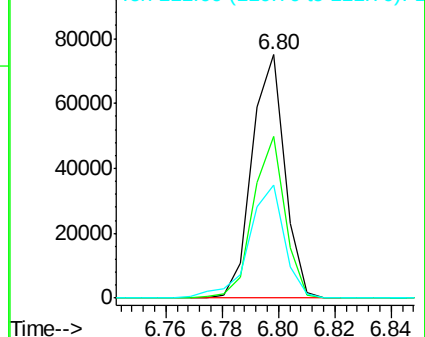
146 100

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

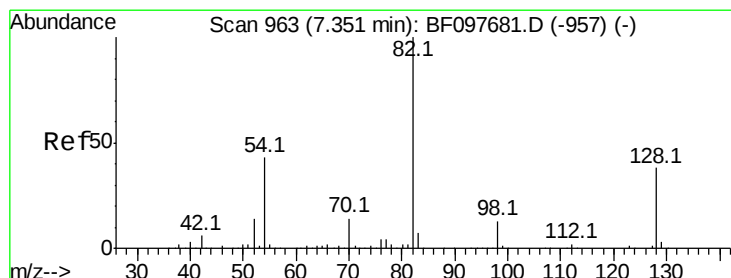
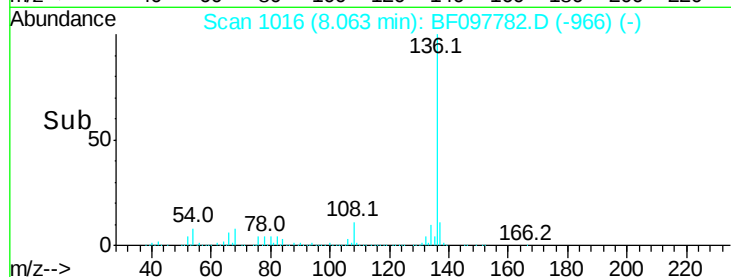
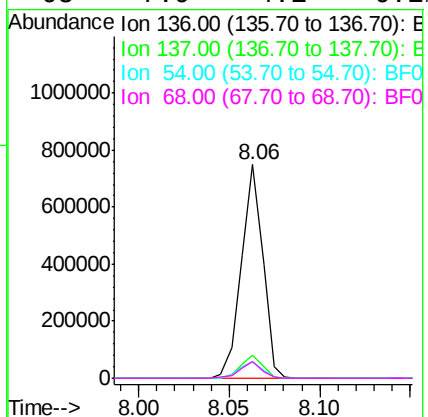
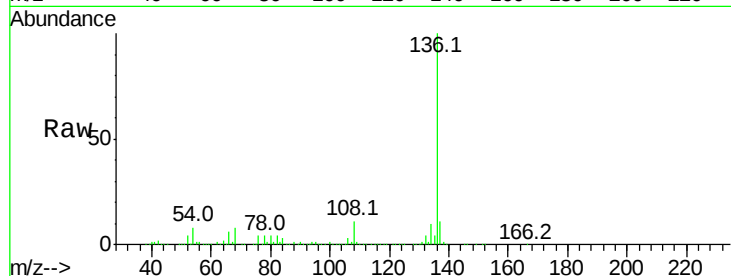




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097782.D
Acq: 17 Aug 2017 11:56

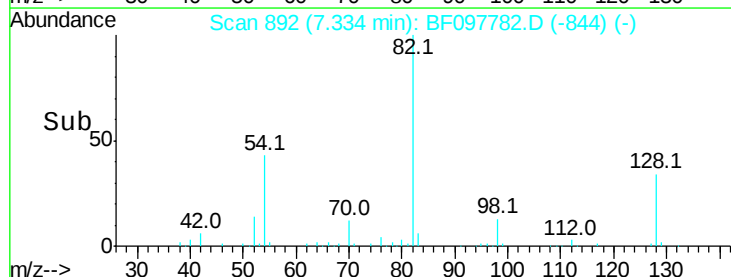
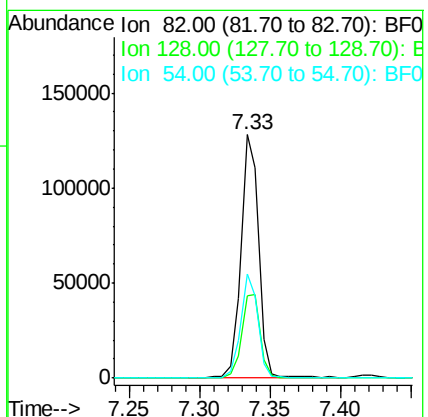
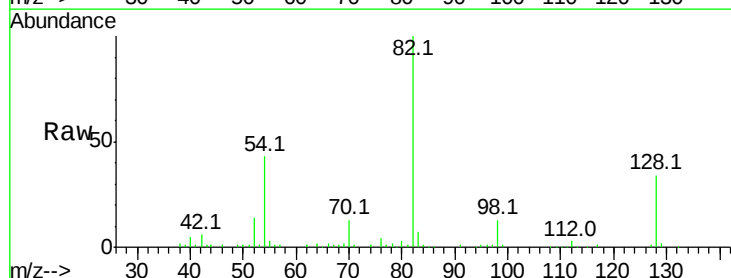
Instrument :
BNA_F
ClientSampleId :

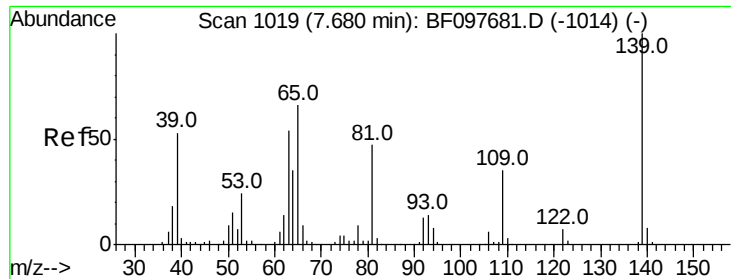
Tot Ion:	136	Resp:	618678
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.9	4.9	7.3#
68	7.9	4.1	6.1#



#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

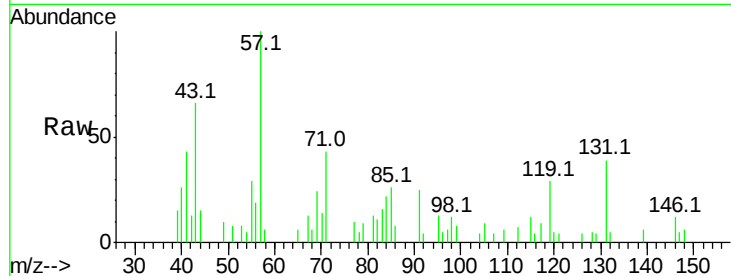




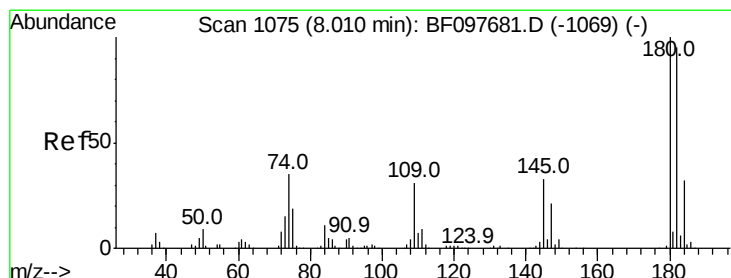
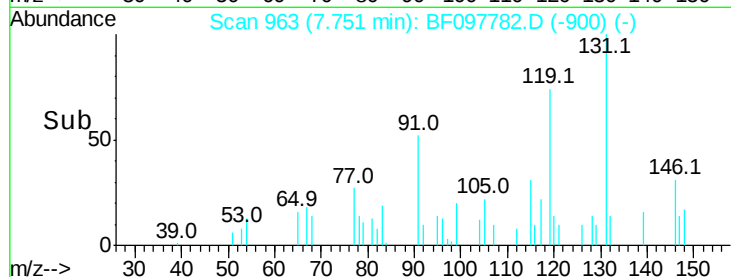
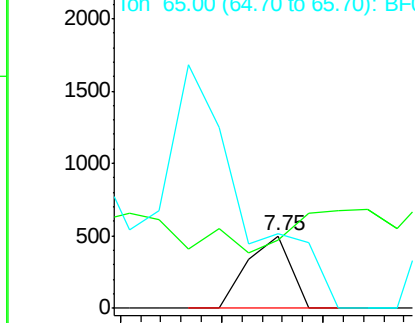
#26
 2-Nitrophenol
 Concen: 5.315 ng
 RT: 7.75 min Scan# 963
 Delta R.T. 0.07 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:139 Resp: 295
 Ion Ratio Lower Upper
 139 100
 109 94.0 21.0 31.6#
 65 103.2 33.0 49.6#

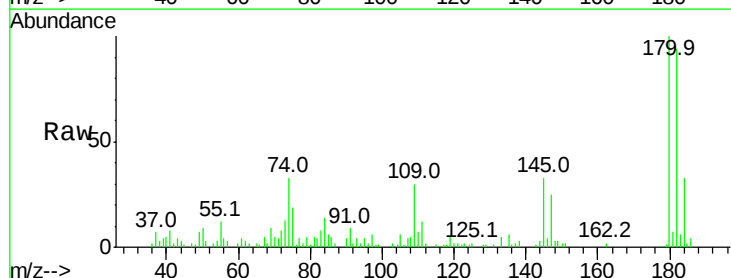


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BFO

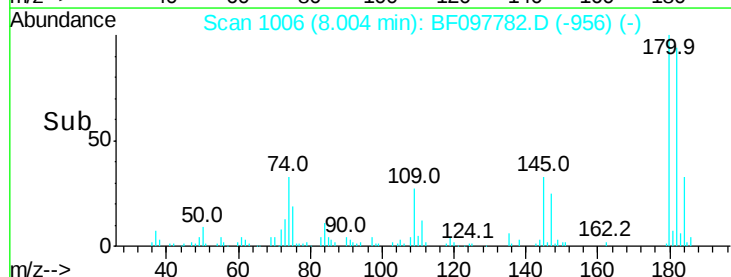
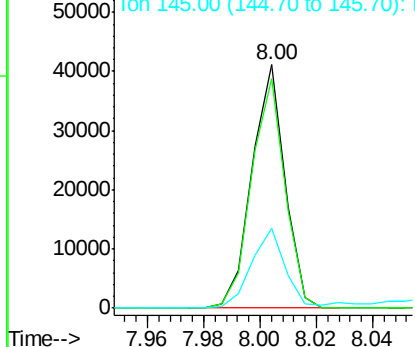


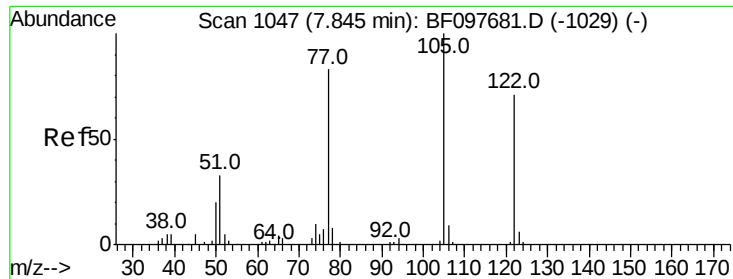
#30
 1,2,4-Trichlorobenzene
 Concen: 3.661 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

Tgt 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

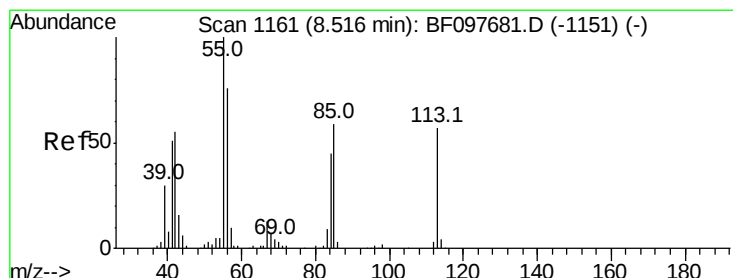
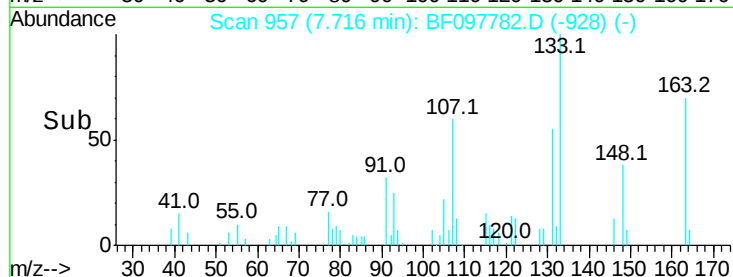
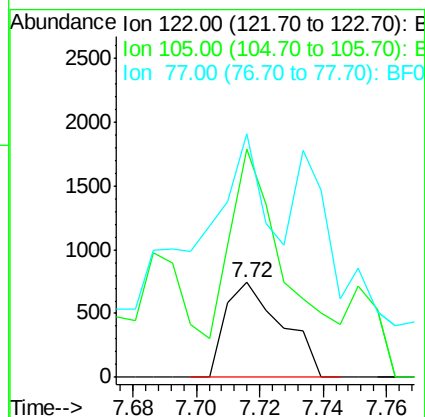
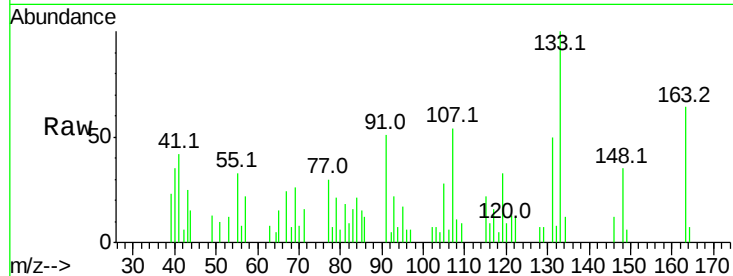




#32
Benzoic acid
Concen: 6.515 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.13 min
Lab File: BF097782.D
Acq: 17 Aug 2017 11:56

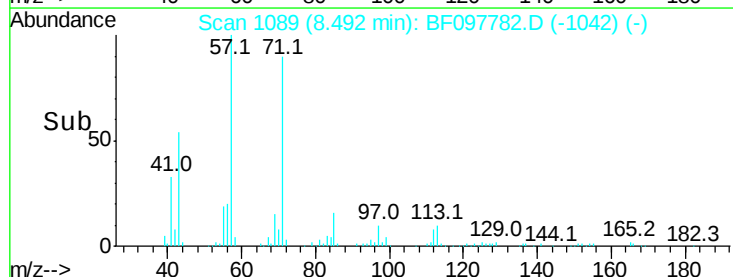
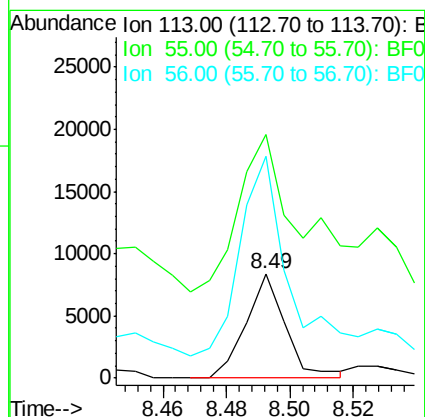
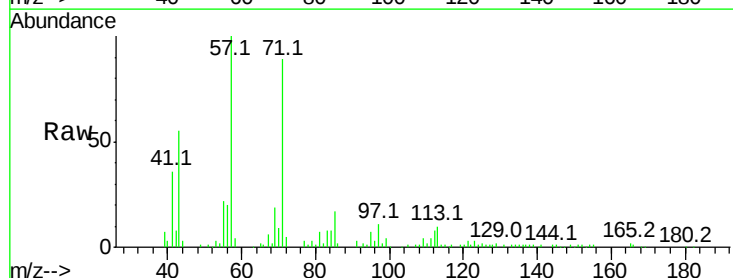
Instrument :
BNA_F
ClientSampleId :

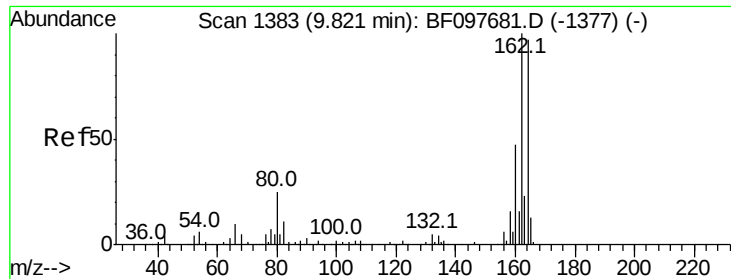
Tot Ion:122 Resp: 917
Ion Ratio Lower Upper
122 100
105 240.5 103.3 143.3#
77 256.8 73.7 113.7#



#35
Caprolactam
Concen: 2.597 ng
RT: 8.49 min Scan# 1089
Delta R.T. -0.02 min
Lab File: BF097782.D
Acq: 17 Aug 2017 11:56

Tgt Ion:113 Resp: 7239
Ion Ratio Lower Upper
113 100
55 233.2 150.2 190.2#
56 213.0 107.8 147.8#





#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

Instrument :

BNA_F

ClientSampleId :

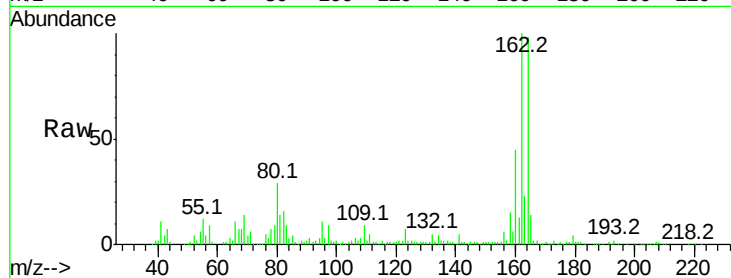
Tot Ion:164 Resp: 252267

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

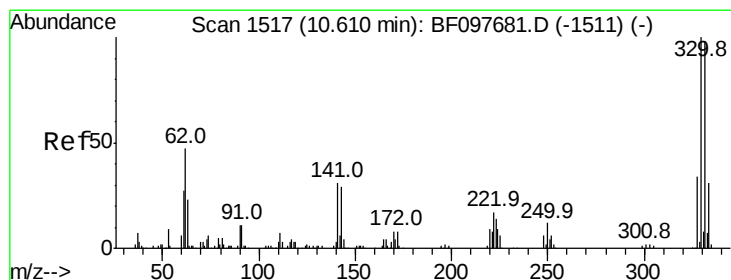
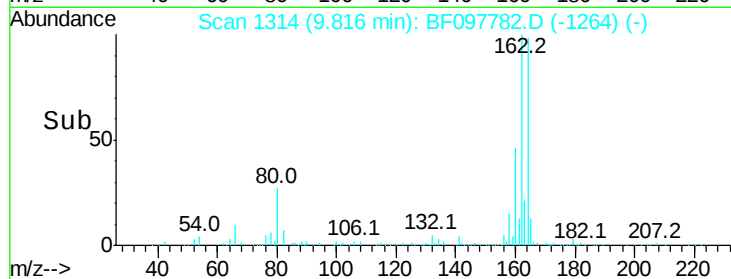
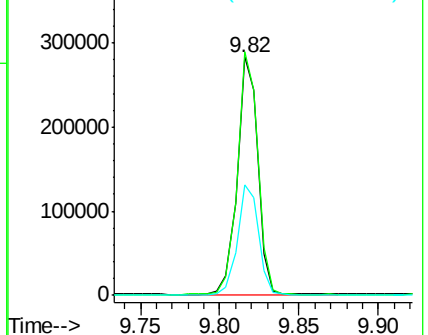
160 46.4 36.2 54.2



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

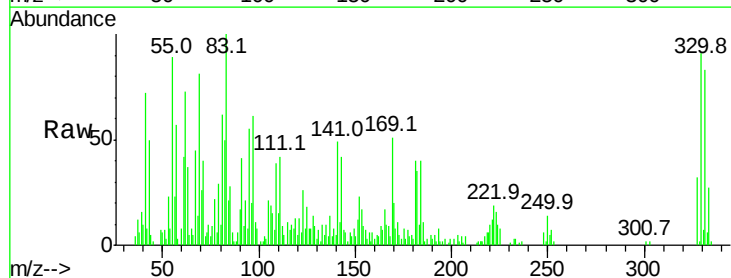
Tgt Ion:330 Resp: 21321

Ion Ratio Lower Upper

330 100

332 94.7 76.6 115.0

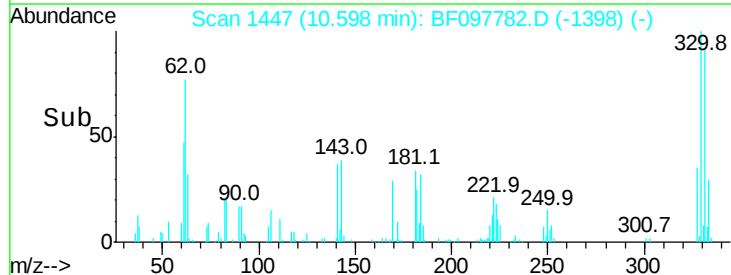
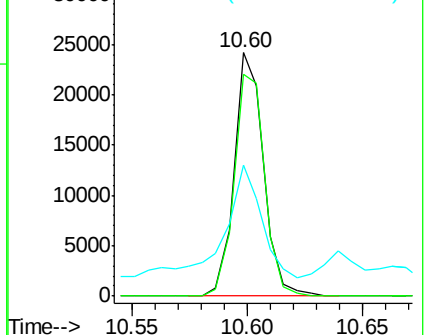
141 58.2 31.4 47.2#

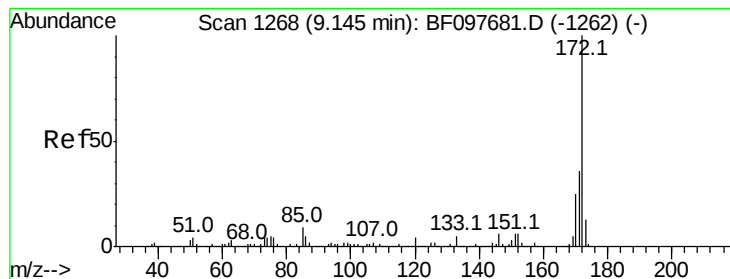


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

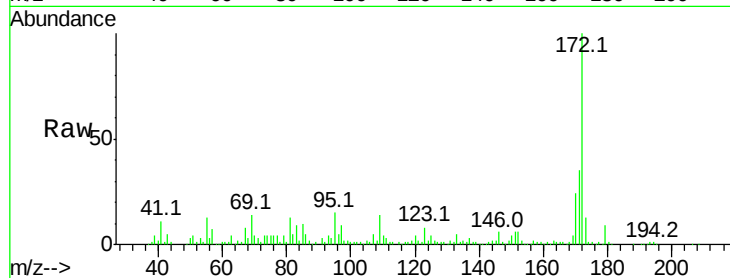




#44
2-Fluorobiphenyl
Concen: 9.978 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF097782.D
Acq: 17 Aug 2017 11:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.6	19.8	29.8

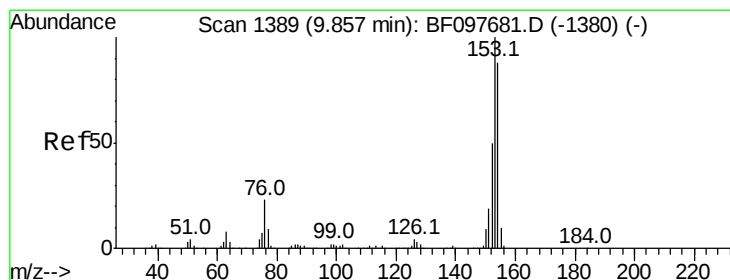
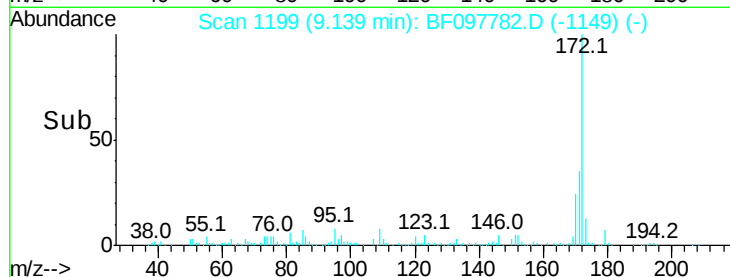
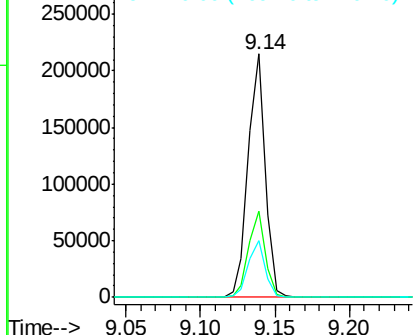


Abundance

Ion 172.00 (171.70 to 172.70): E

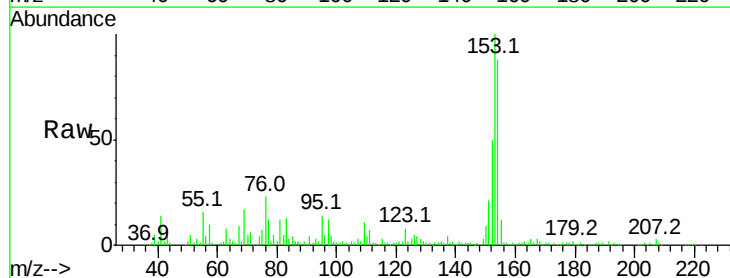
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#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

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.5	135.7
152	56.1	43.6	65.4

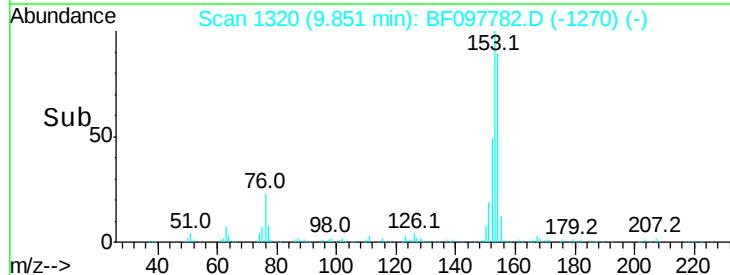
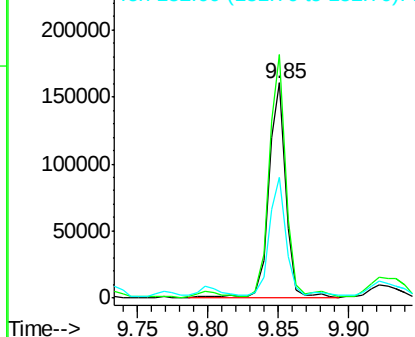


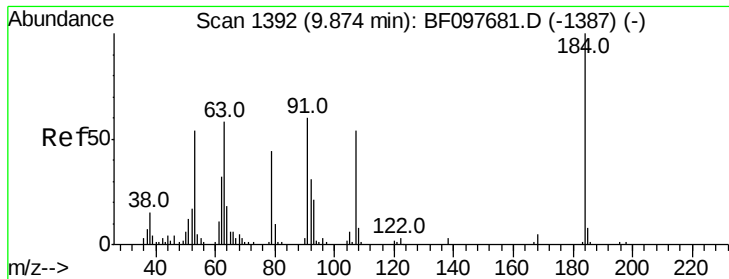
Abundance

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

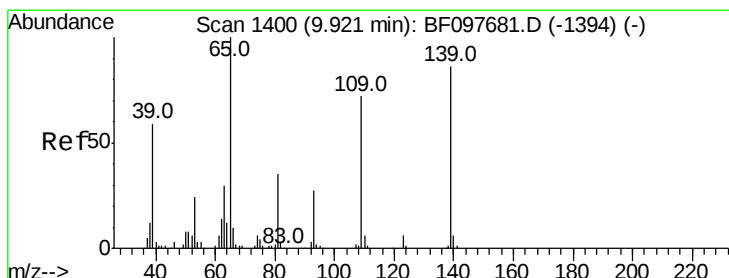
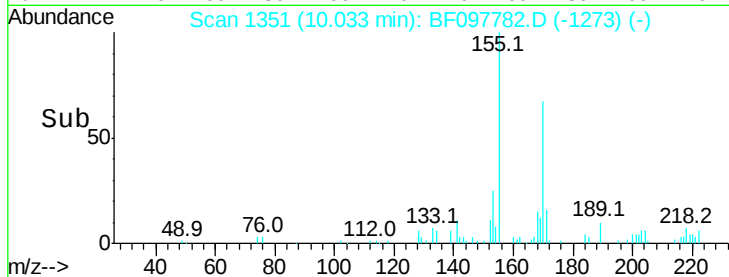
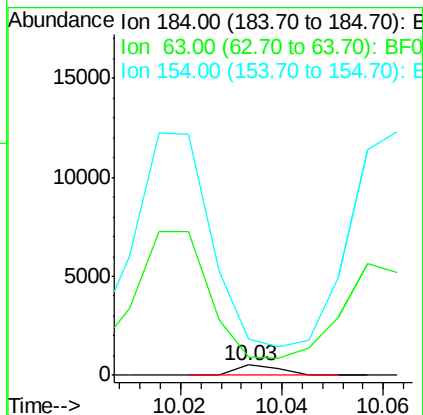
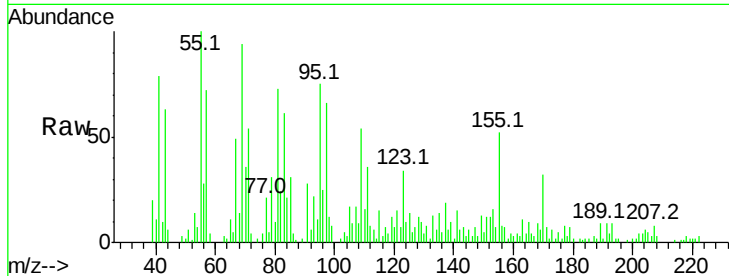




#53
2,4-Dinitrophenol
Concen: 10.291 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.16 min
Lab File: BF097782.D
Acq: 17 Aug 2017 11:56

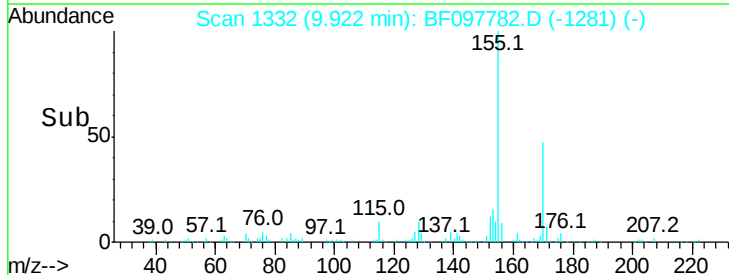
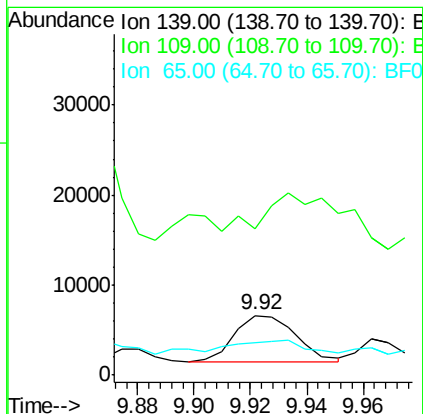
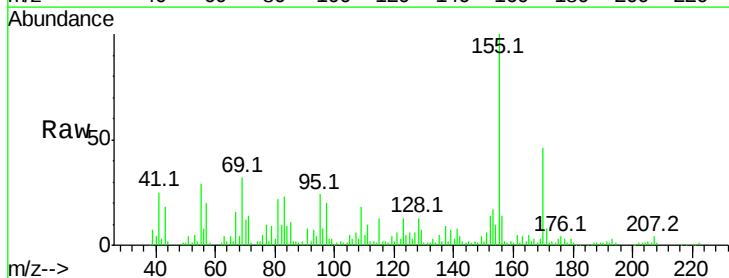
Instrument :
BNA_F
ClientSampled :

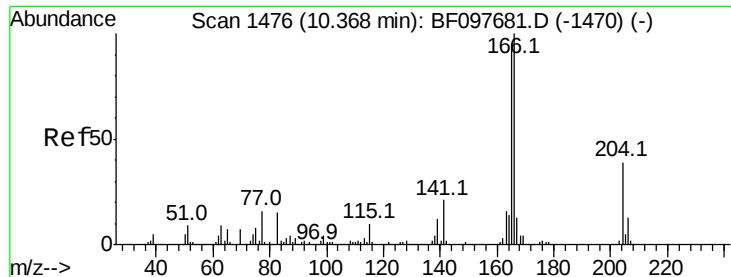
Tot Ion:184 Resp: 300
Ion Ratio Lower Upper
184 100
63 176.6 62.7 94.1#
154 349.1 81.1 121.7#



#55
4-Nitrophenol
Concen: 2.011 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF097782.D
Acq: 17 Aug 2017 11:56

Tgt Ion:139 Resp: 7617
Ion Ratio Lower Upper
139 100
109 245.5 34.1 74.1#
65 55.0 31.4 71.4

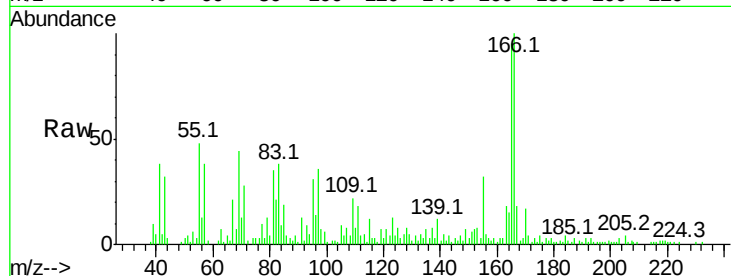




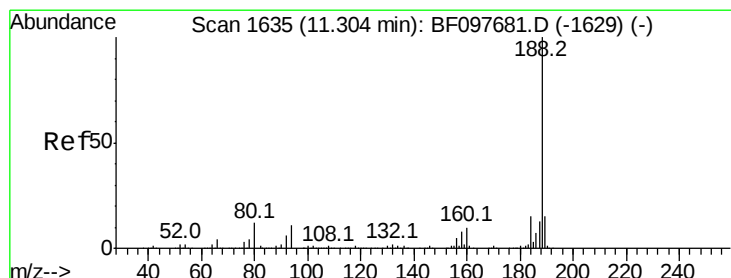
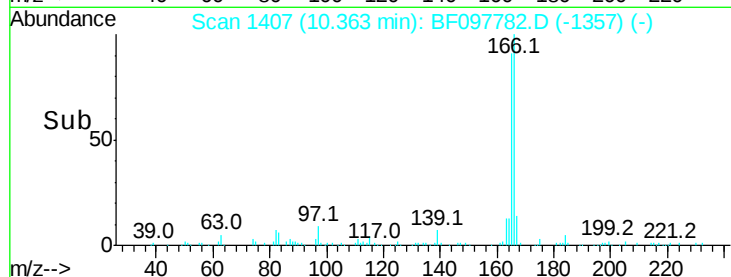
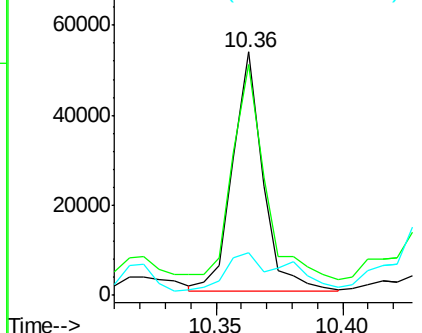
#57
 Fluorene
 Concen: 2.512 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 43810
 Ion Ratio Lower Upper
 166 100
 165 94.6 78.8 118.2
 167 17.5 10.6 16.0#

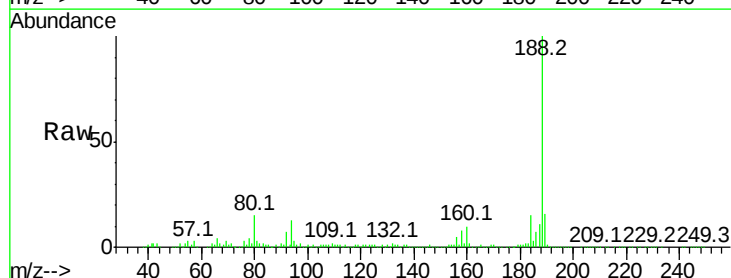


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

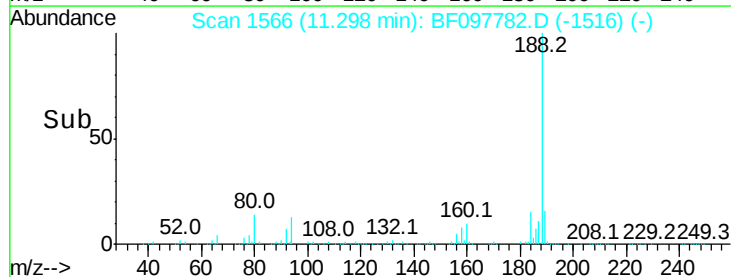
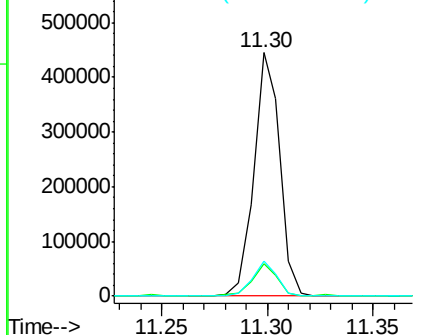


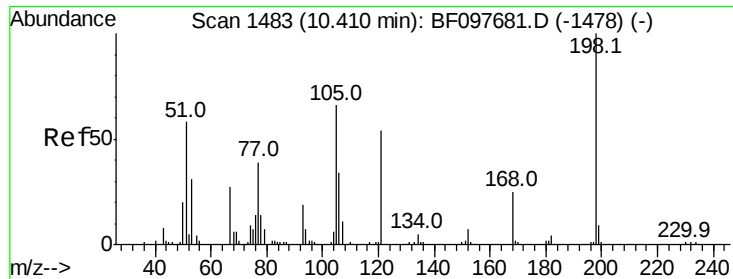
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

Tgt Ion:188 Resp: 377842
 Ion Ratio Lower Upper
 188 100
 94 13.1 9.4 14.2
 80 14.6 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

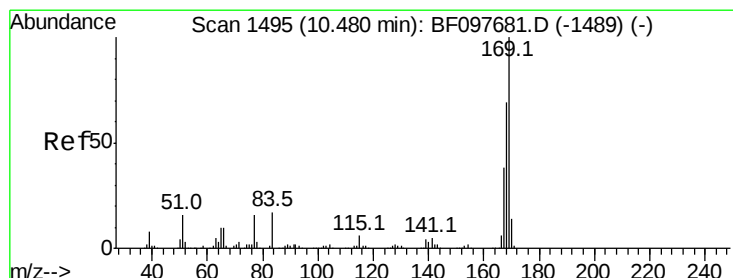
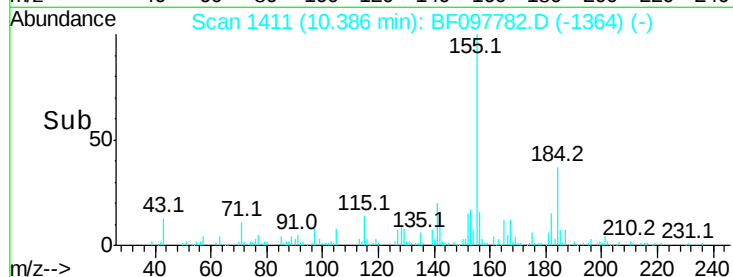
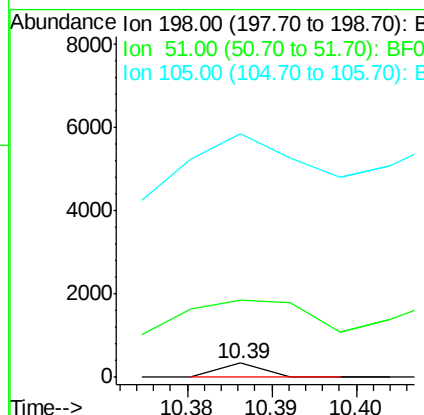
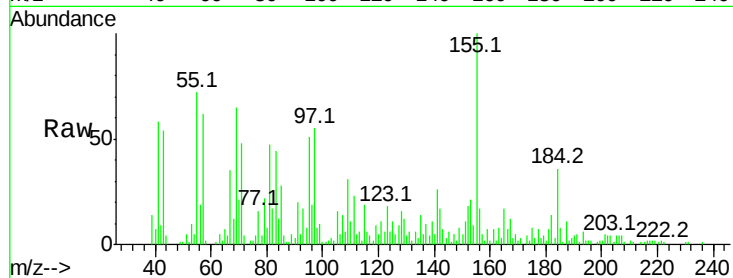




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.376 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.02 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

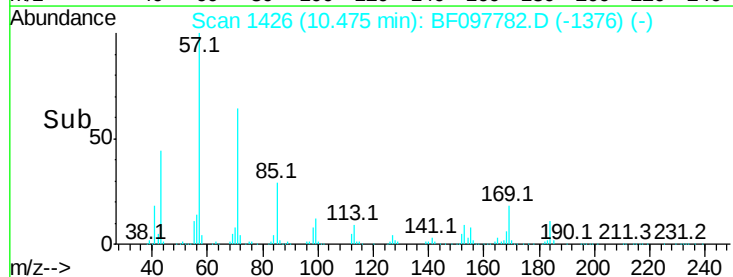
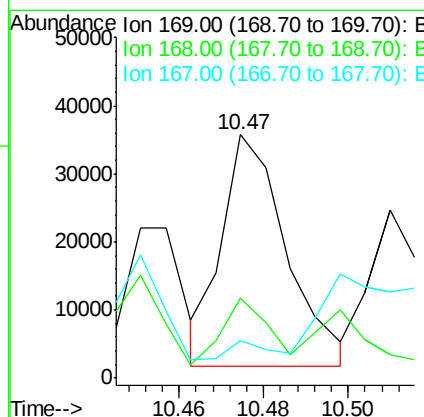
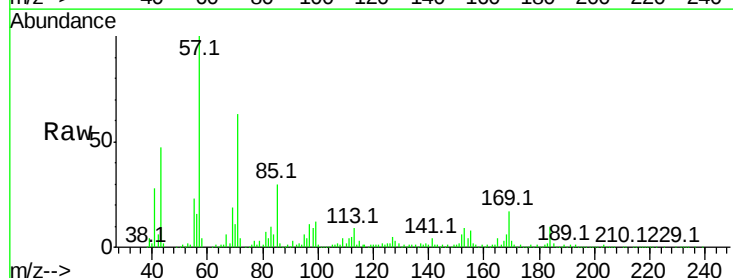
Instrument :
 BNA_F
 ClientSampleId :

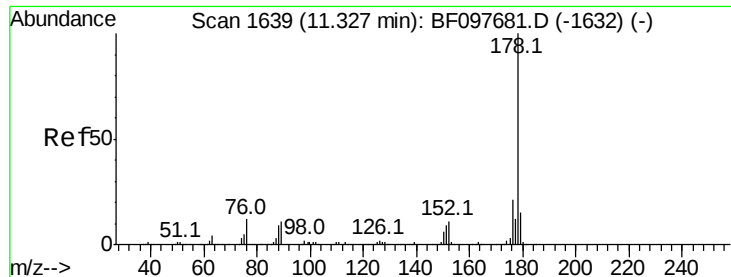
Tot Ion:198 Resp: 119
 Ion Ratio Lower Upper
 198 100
 51 553.3 53.2 93.2#
 105 1730.2 45.8 85.8#



#65
 n-Nitrosodiphenylamine
 Concen: 2.801 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF097782.D
 Acq: 17 Aug 2017 11:56

Tgt Ion:169 Resp: 36044
 Ion Ratio Lower Upper
 169 100
 168 32.7 53.2 79.8#
 167 15.4 29.5 44.3#





#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

Instrument :

BNA_F

ClientSampleId :

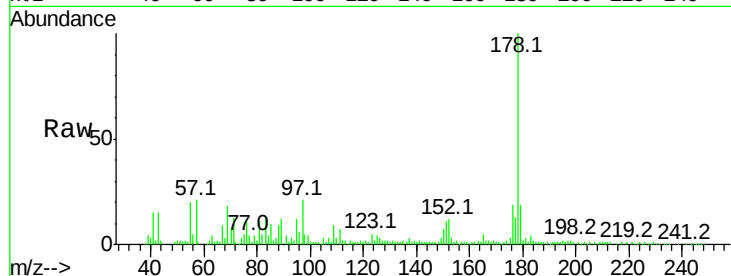
Tot Ion:178 Resp: 84215

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

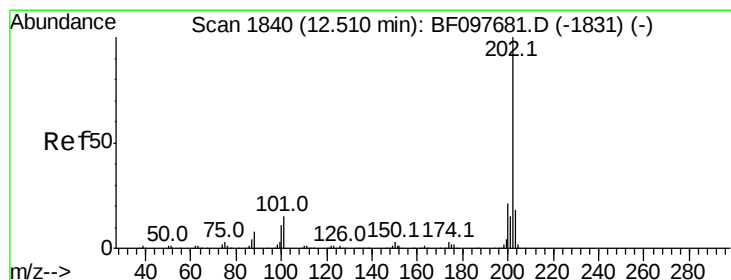
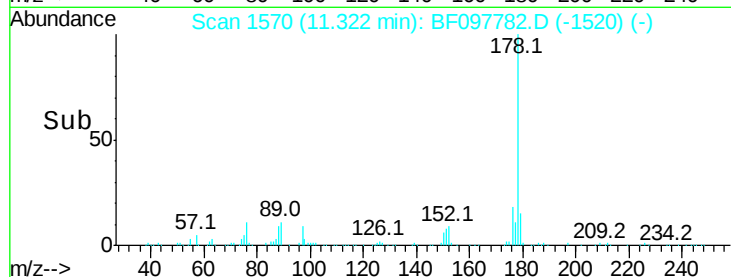
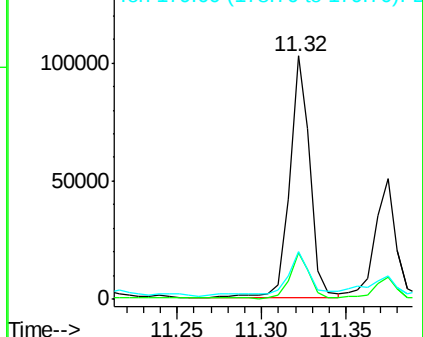
179 19.5 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#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

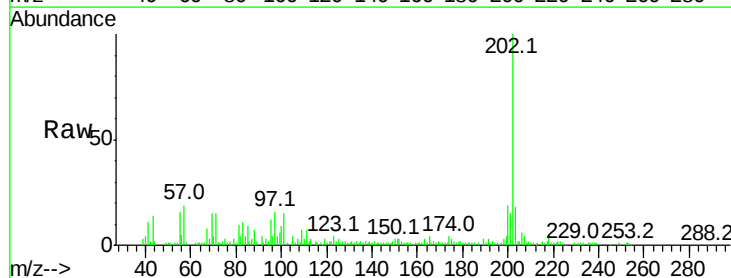
Tgt Ion:202 Resp: 58306

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

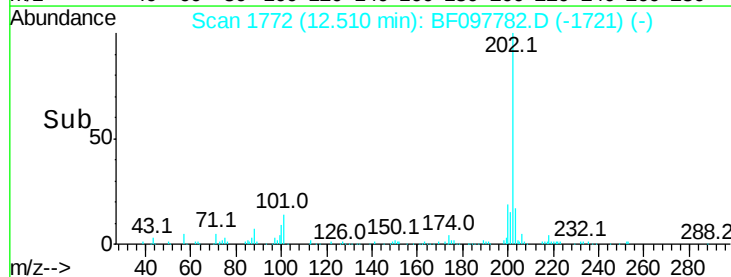
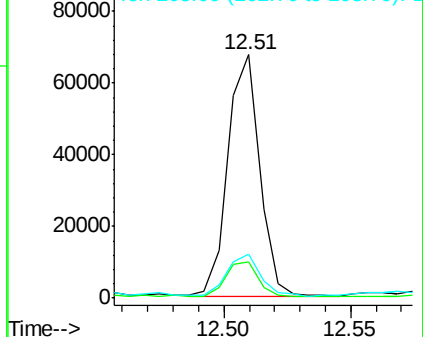
203 18.1 0.0 38.1

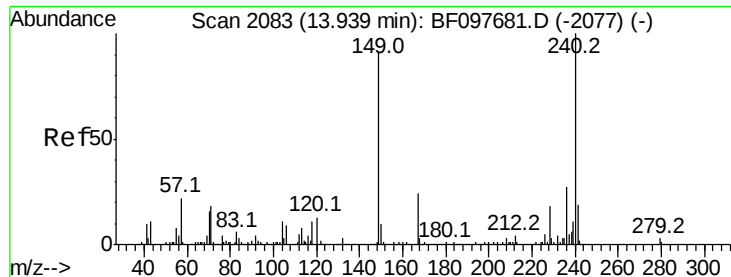


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_F

ClientSampleId :

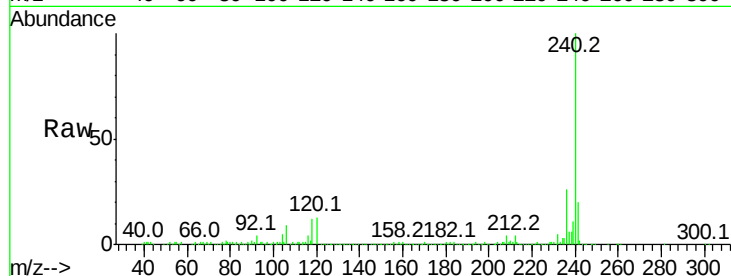
Tot Ion:240 Resp: 329652

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

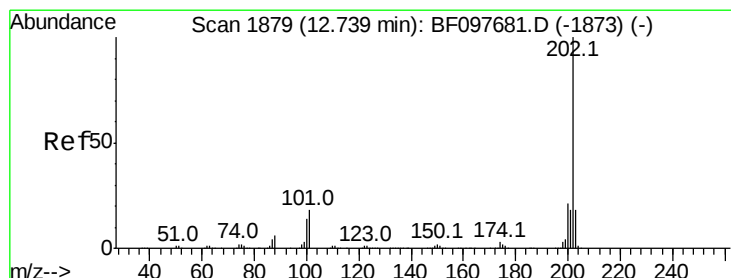
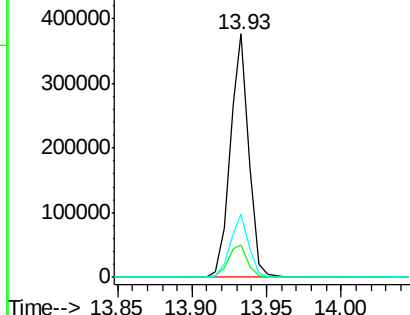
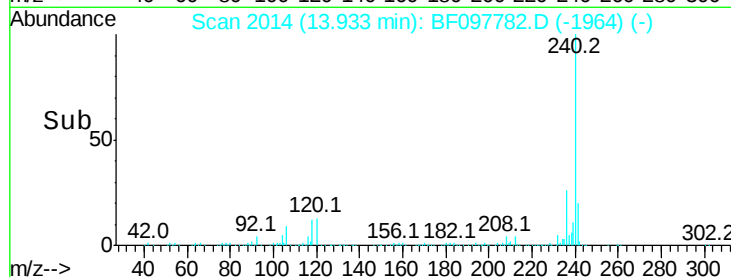
236 26.1 20.5 30.7



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

Pyrene

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

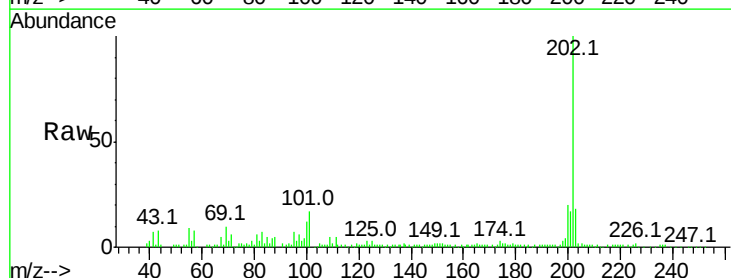
Tgt Ion:202 Resp: 81963

Ion Ratio Lower Upper

202 100

200 19.6 17.6 26.4

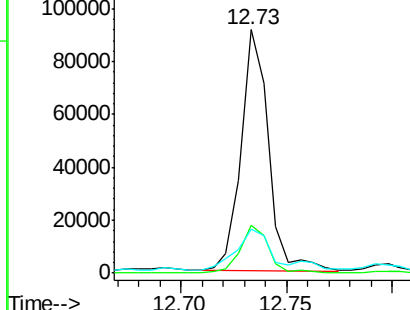
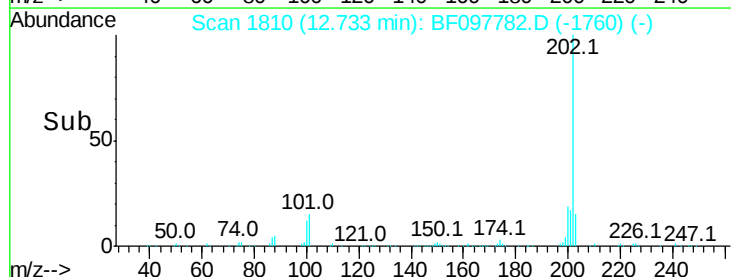
203 18.0 14.4 21.6

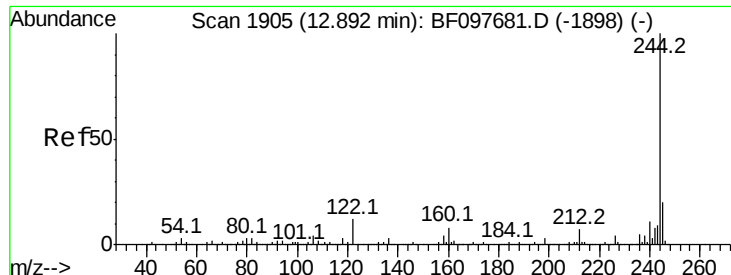


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_F

ClientSampleId :

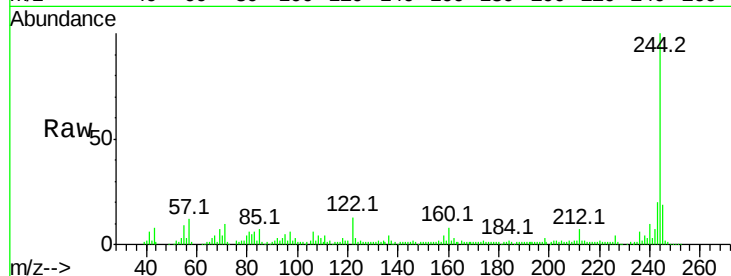
Tot Ion:244 Resp: 96441

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

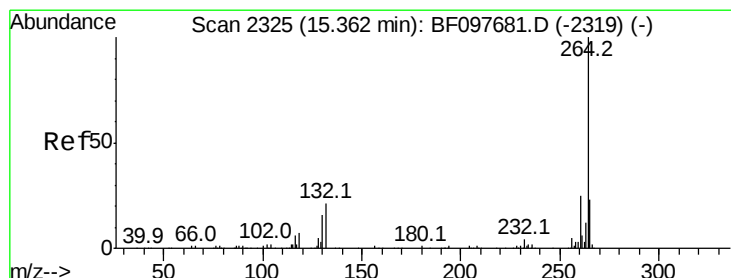
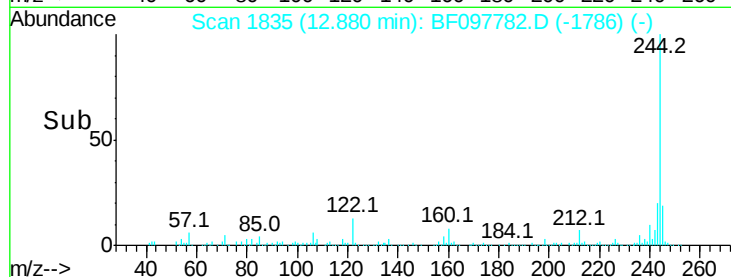
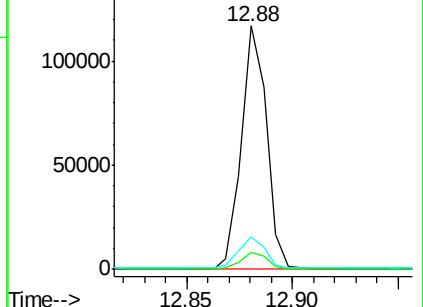
122 13.2 10.3 15.5



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

Perylene-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

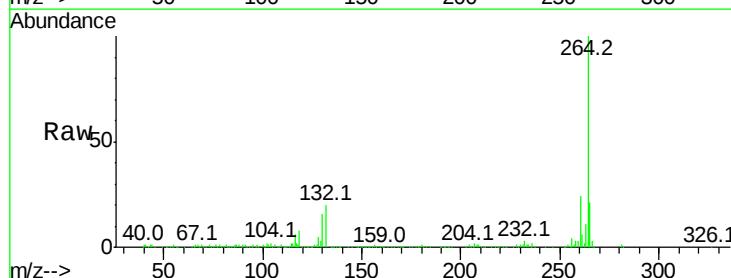
Tgt Ion:264 Resp: 270475

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

