

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
 Data File : BF099737.D
 Acq On : 21 Oct 2017 19:35
 Operator : SJ/JU
 Sample : I6036-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 00:48:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	84567	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	334254	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	142809	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	223334	20.00	ng	0.00
75) Chrysene-d12	13.98	240	153531	20.00	ng	0.00
86) Perylene-d12	15.44	264	162071	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	201785	37.98	ng	0.00
7) Phenol-d6	6.46	99	155728	23.76	ng	0.00
23) Nitrobenzene-d5	7.39	82	418279	80.25	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	99491	85.14	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	812933	95.03	ng	0.00
78) Terphenyl-d14	12.92	244	519940	77.02	ng	0.00

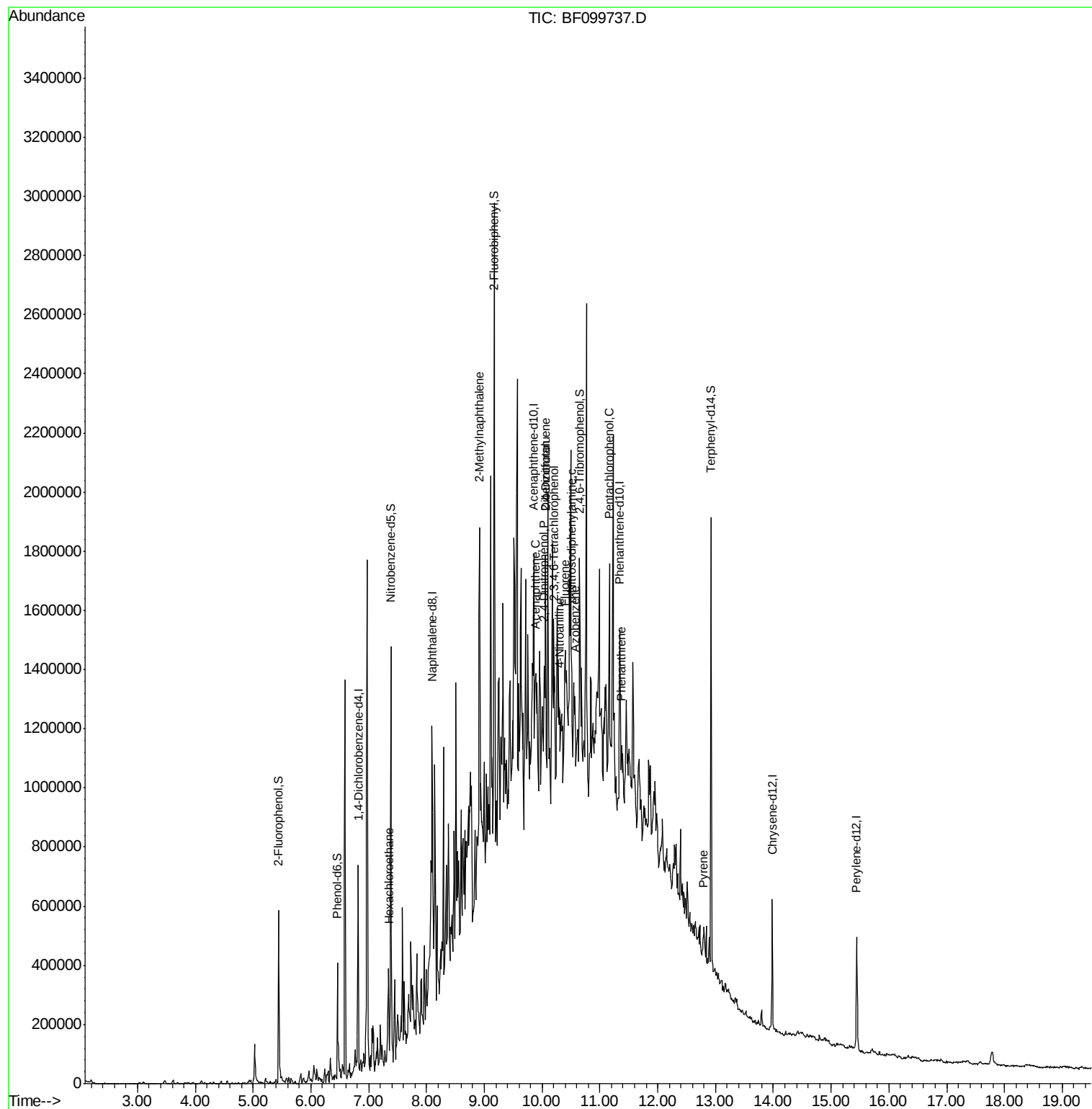
Target Compounds				Qvalue		
18) Hexachloroethane	7.35	117	16294	7.072	ng	# 1
37) 2-Methylnaphthalene	8.91	142	184541	18.083	ng	# 94
51) Acenaphthene	9.89	154	26724	2.991	ng	# 87
53) 2,4-Dinitrophenol	10.04	184	773	6.415	ng	# 1
54) Dibenzofuran	10.06	168	31041	2.609	ng	# 44
56) 2,4-Dinitrotoluene	10.06	165	9952	3.268	ng	# 61
57) Fluorene	10.40	166	73760	7.713	ng	# 96
58) 2,3,4,6-Tetrachlorophenol	10.19	232	9410	4.523	ng	# 1
61) 4-Nitroaniline	10.31	138	5921	2.243	ng	# 87
62) Azobenzene	10.57	77	19841	2.049	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	89504	11.568	ng	# 40
69) Pentachlorophenol	11.16	266	111230	76.547	ng	# 98
70) Phenanthrene	11.37	178	80658	6.747	ng	# 87
77) Pyrene	12.79	202	23618	2.017	ng	# 91

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

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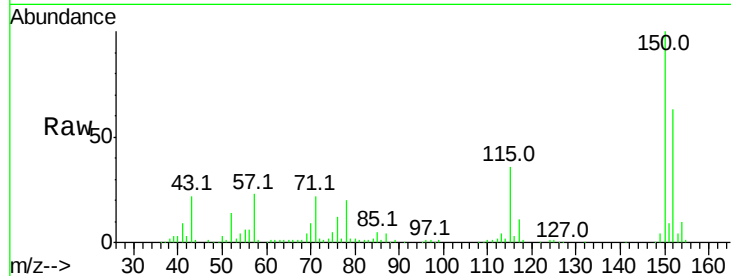


#1

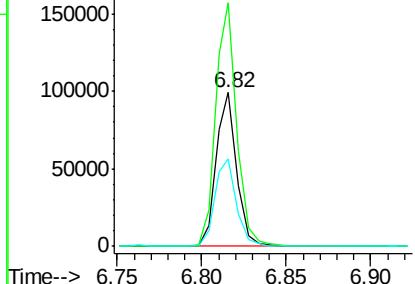
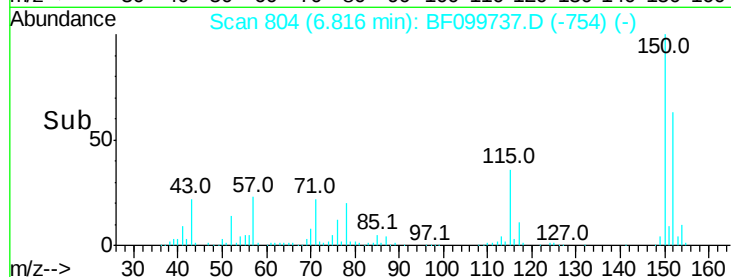
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF099737.D
Acq: 21 Oct 2017 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84567
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 57.1 50.1 75.1



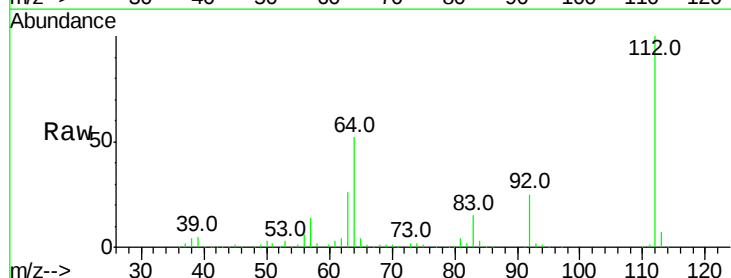
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



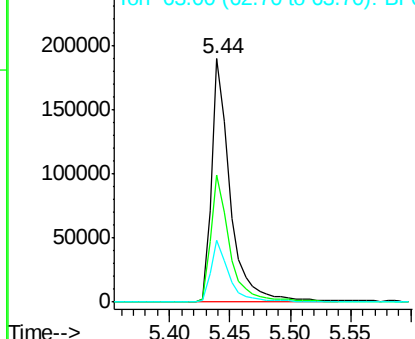
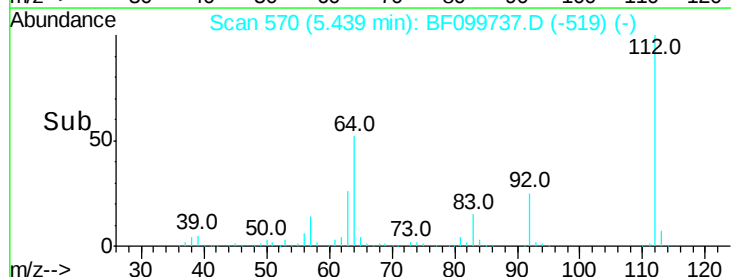
#5

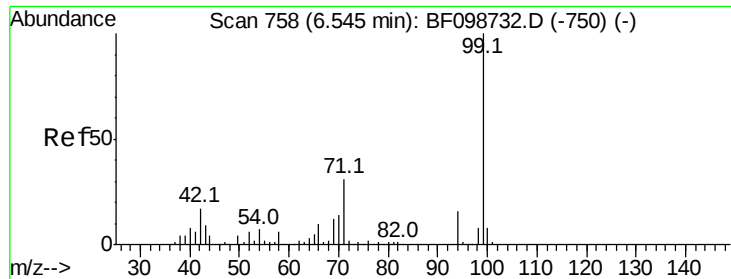
2-Fluorophenol
Concen: 37.984 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF099737.D
Acq: 21 Oct 2017 19:35

Tgt Ion:112 Resp: 201785
Ion Ratio Lower Upper
112 100
64 52.5 47.9 71.9
63 25.6 23.7 35.5



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: 23.763 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

Instrument :

BNA_F

ClientSampleId :

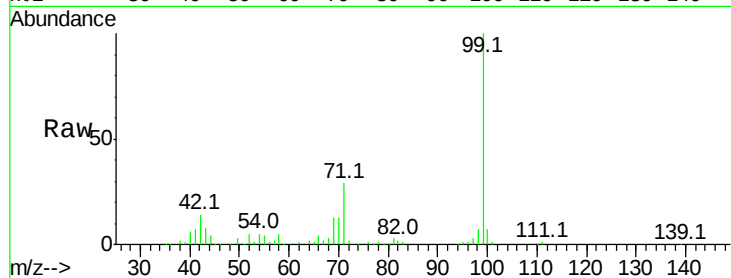
Tot Ion: 99 Resp: 155728

Ion Ratio Lower Upper

99 100

42 13.8 14.5 21.7#

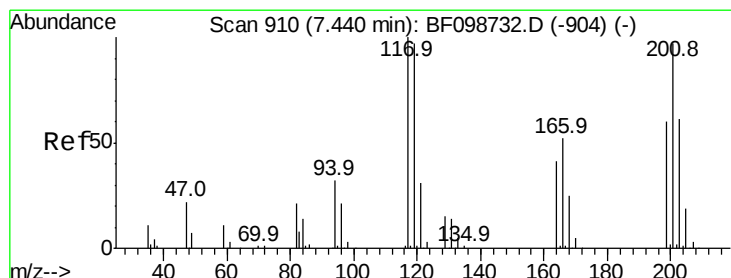
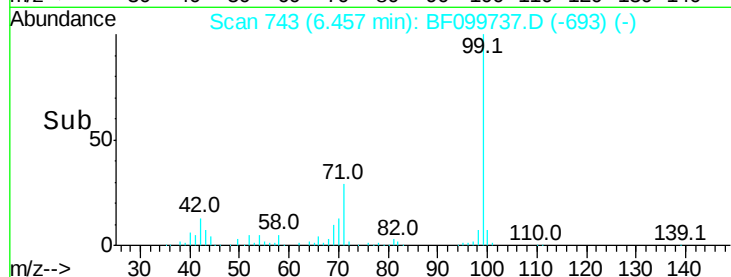
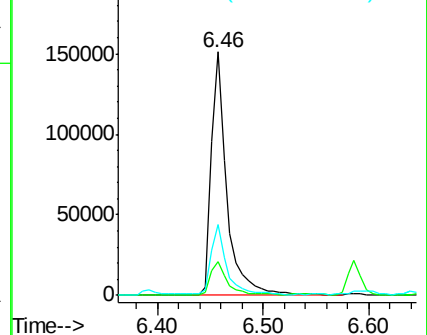
71 29.3 25.4 38.0



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



#18

Hexachloroethane

Concen: 7.072 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.02 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

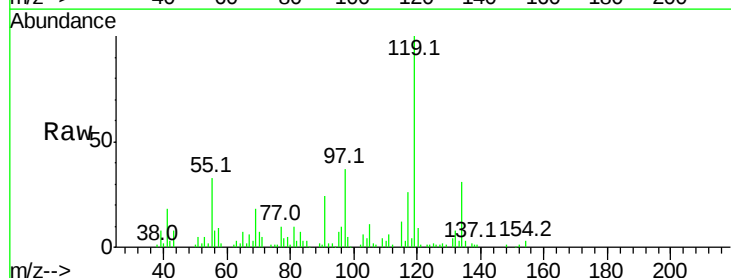
Tgt Ion: 117 Resp: 16294

Ion Ratio Lower Upper

117 100

119 387.9 75.8 113.8#

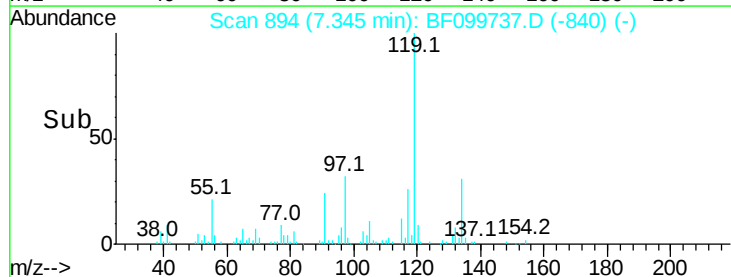
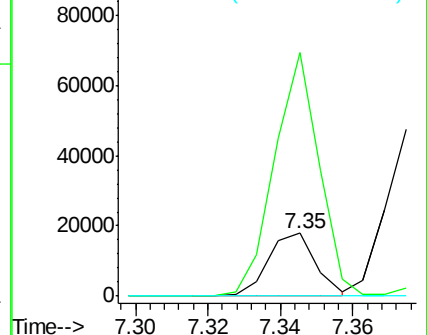
201 0.0 75.7 113.5#

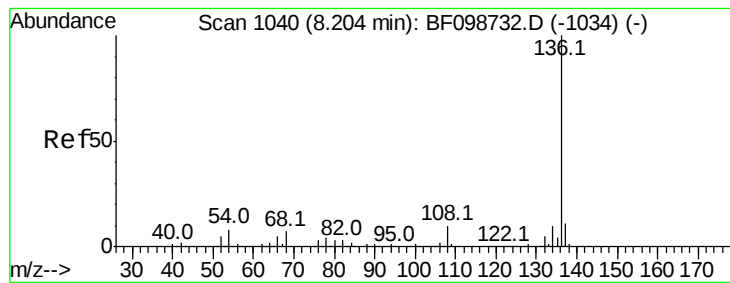


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 334254

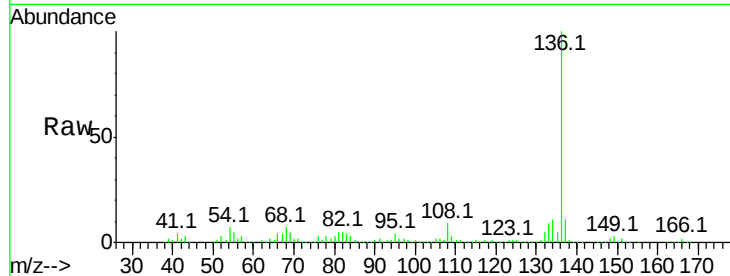
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.4 6.6 9.8

68 6.7 5.0 7.4

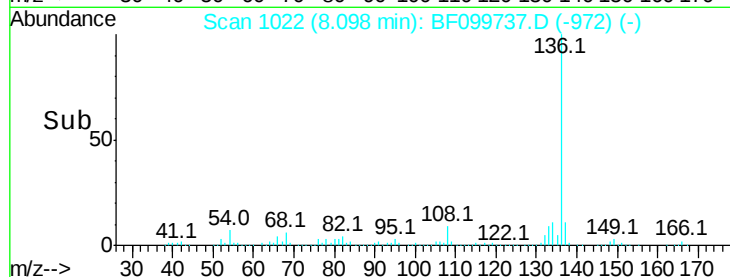


Abundance Ion 136.00 (135.70 to 136.70): E

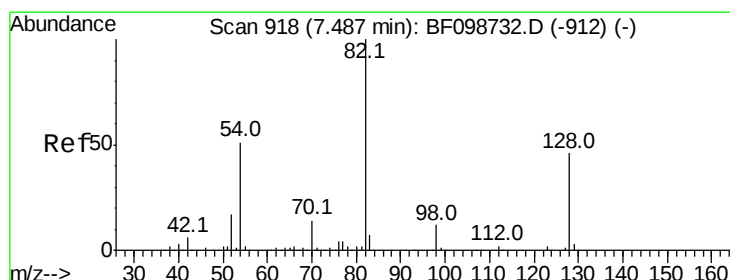
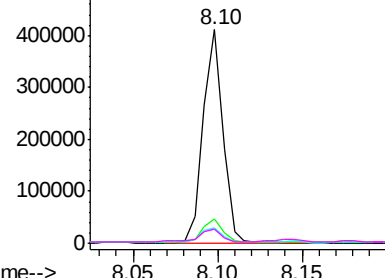
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 80.251 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

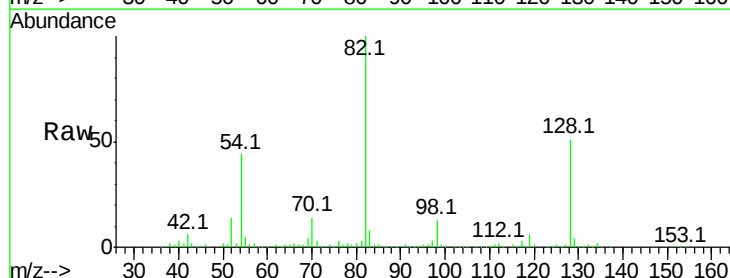
Tgt Ion: 82 Resp: 418279

Ion Ratio Lower Upper

82 100

128 51.0 36.1 54.1

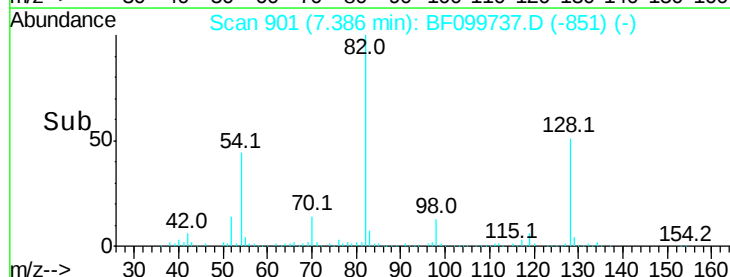
54 44.0 41.4 62.2



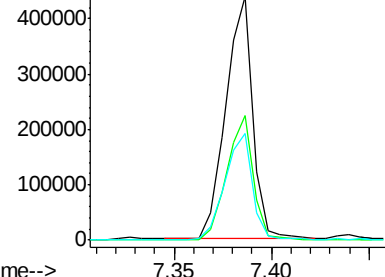
Abundance Ion 82.00 (81.70 to 82.70): BF0

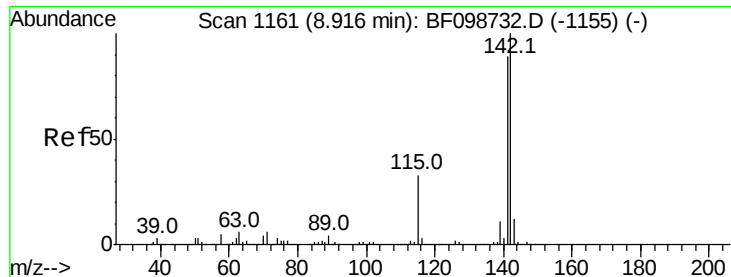
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

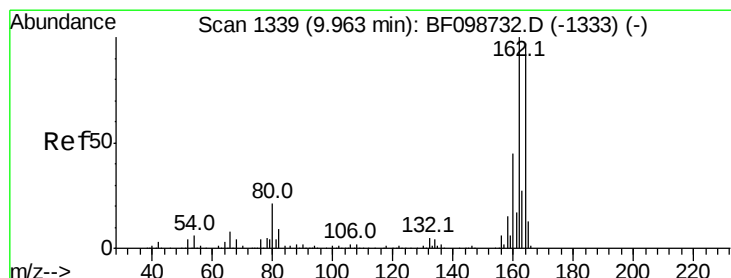
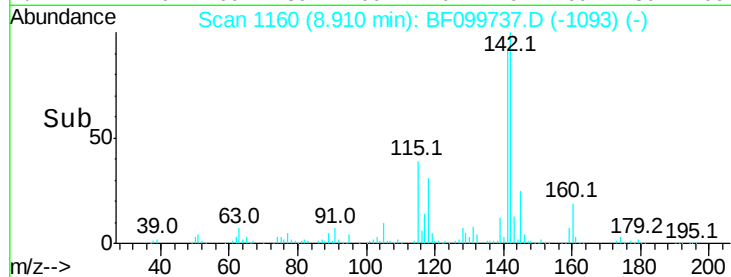
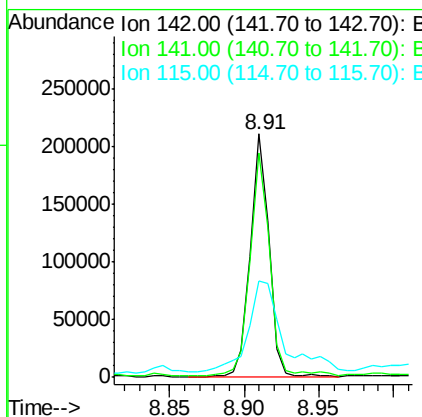
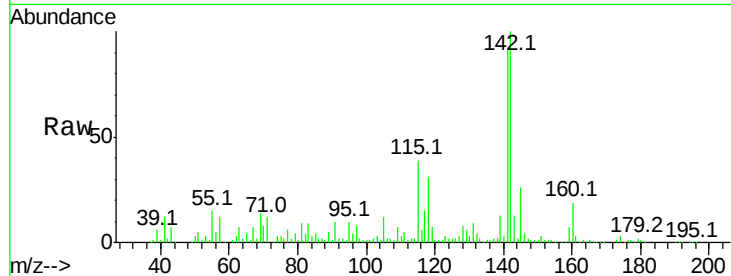




#37
 2-Methylnaphthalene
 Concen: 18.083 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. 0.09 min
 Lab File: BF099737.D
 Acq: 21 Oct 2017 19:35

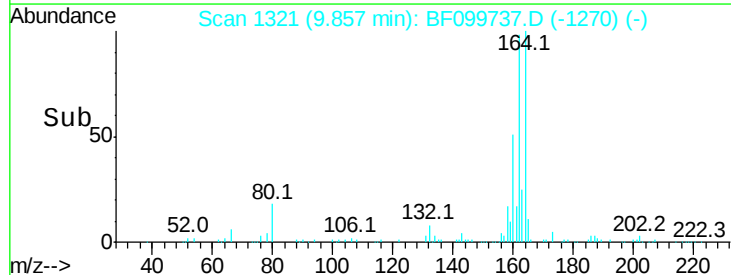
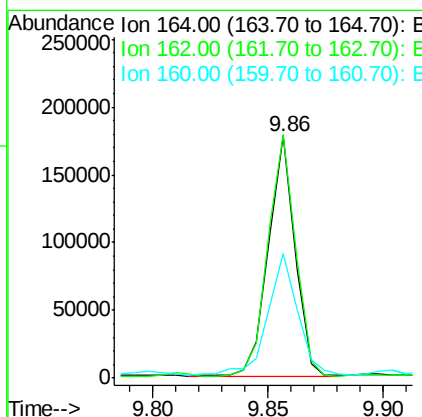
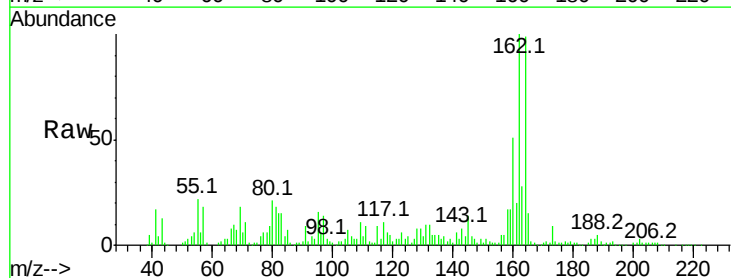
Instrument :
 BNA_F
 ClientSampleId :

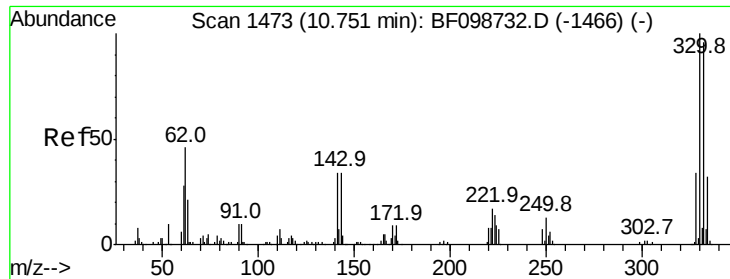
Tot Ion:142 Resp: 184541
 Ion Ratio Lower Upper
 142 100
 141 92.4 70.8 106.2
 115 39.5 26.1 39.1#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: BF099737.D
 Acq: 21 Oct 2017 19:35

Tgt Ion:164 Resp: 142809
 Ion Ratio Lower Upper
 164 100
 162 100.6 86.1 129.1
 160 51.5 38.3 57.5

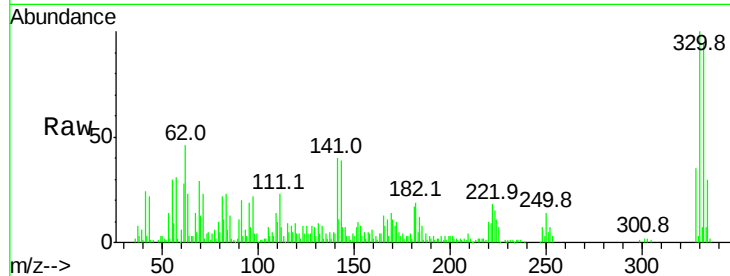




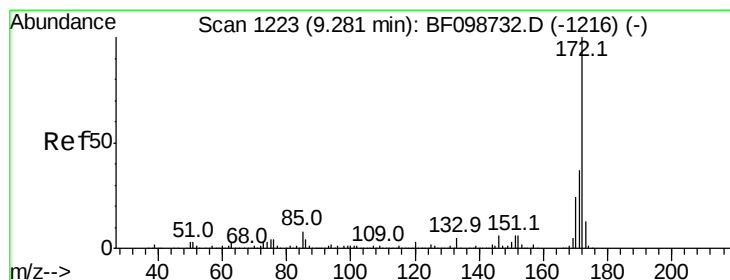
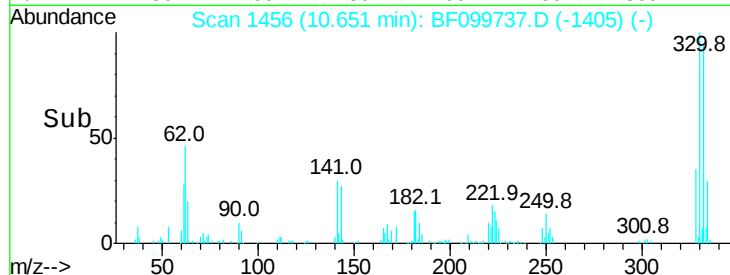
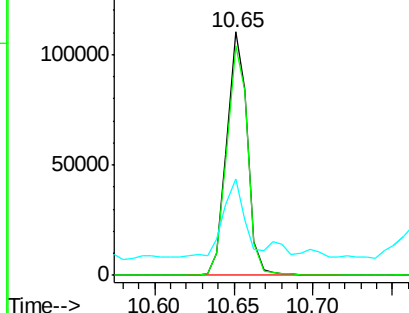
#41
 2,4,6-Tribromophenol
 Concen: 85.139 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: BF099737.D
 Acq: 21 Oct 2017 19:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	33.5	29.9	44.9

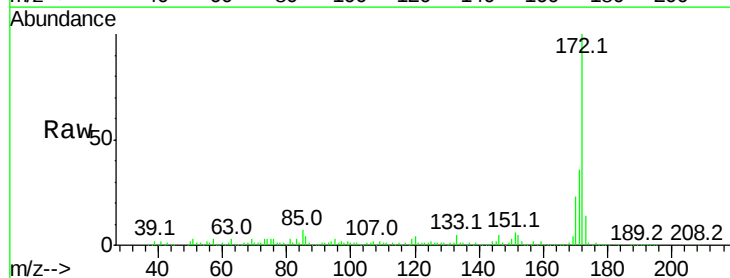


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

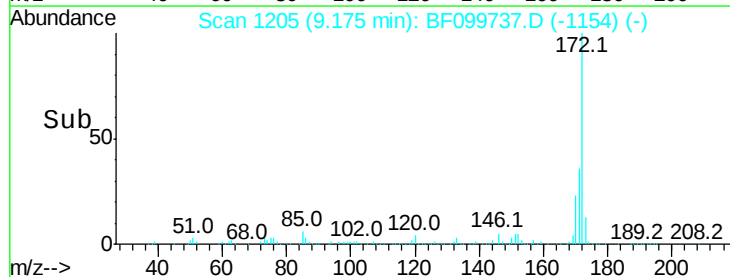
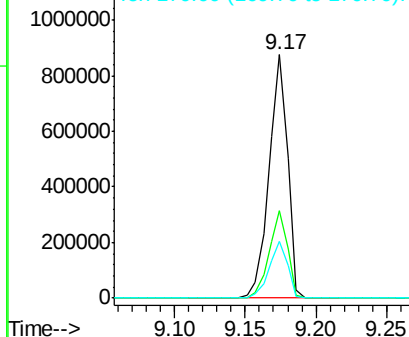


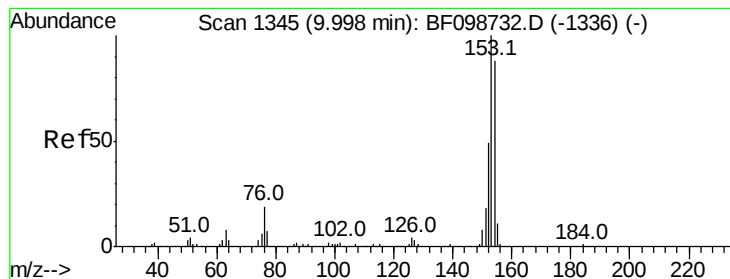
#44
 2-Fluorobiphenyl
 Concen: 95.031 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF099737.D
 Acq: 21 Oct 2017 19:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.3	19.6	29.4



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: 2.991 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

Instrument :

BNA_F

ClientSampled :

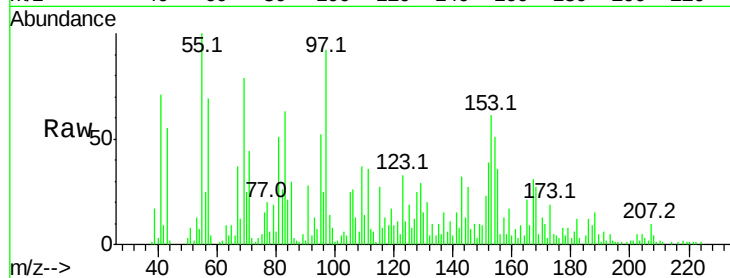
Tot Ion:154 Resp: 26724

Ion Ratio Lower Upper

154 100

153 119.6 91.2 136.8

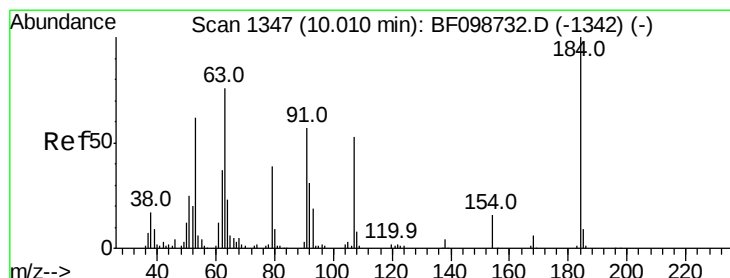
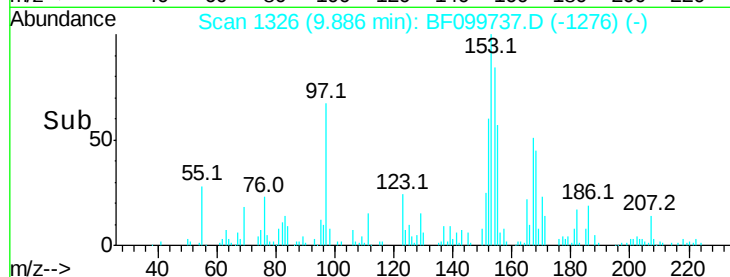
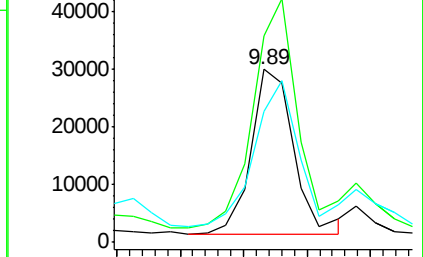
152 76.2 43.8 65.8#



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: 6.415 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.10 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

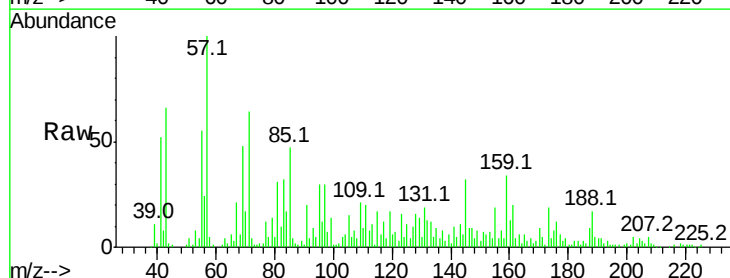
Tgt Ion:184 Resp: 773

Ion Ratio Lower Upper

184 100

63 395.6 54.2 81.2#

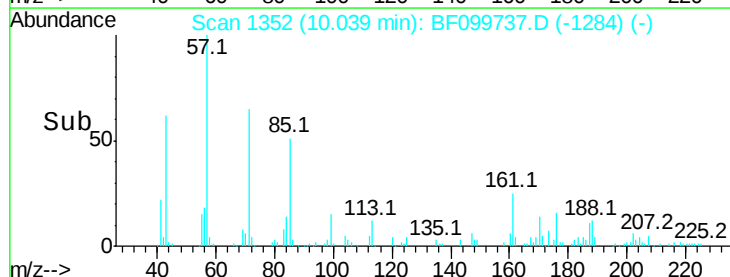
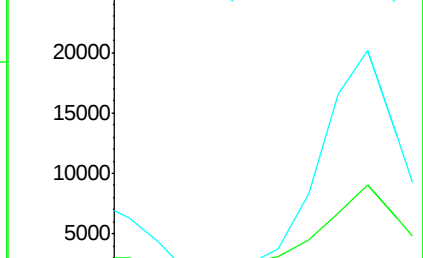
154 466.8 53.5 80.3#

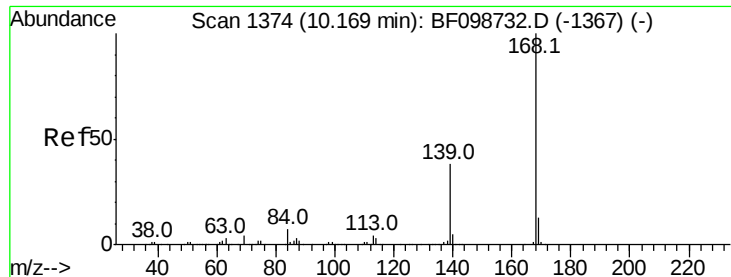


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 2.609 ng

RT: 10.06 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

Instrument :

BNA_F

ClientSampled :

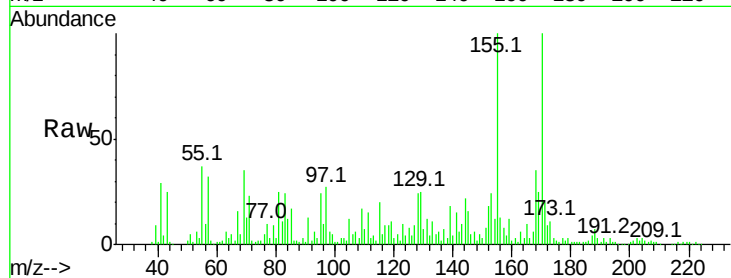
Tot Ion:168 Resp: 31041

Ion Ratio Lower Upper

168 100

139 52.7 30.1 45.1#

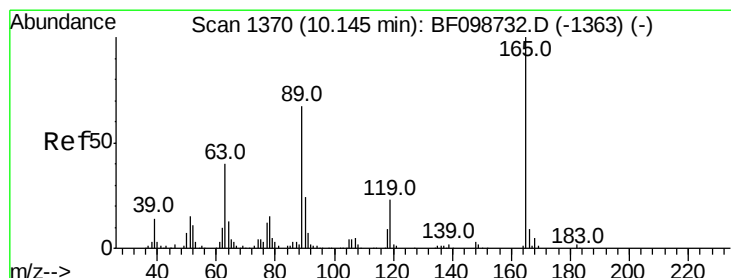
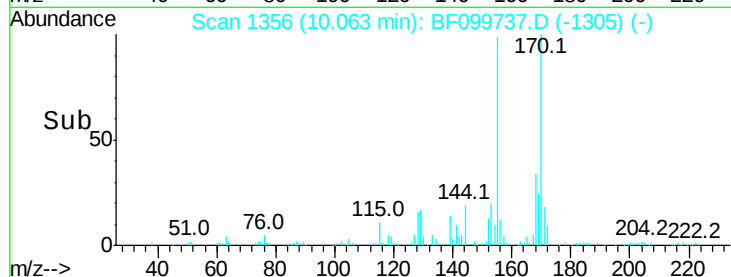
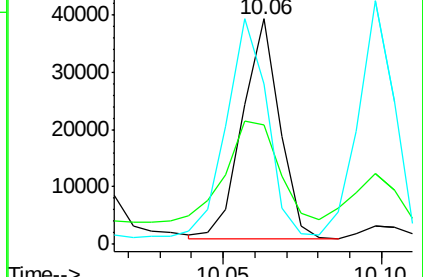
169 70.9 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 3.268 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

Tgt Ion:165 Resp: 9952

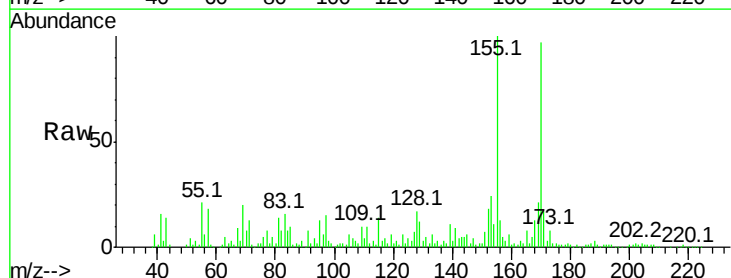
Ion Ratio Lower Upper

165 100

63 63.0 36.4 54.6#

89 33.6 57.8 86.6#

182 17.1 1.6 2.4#

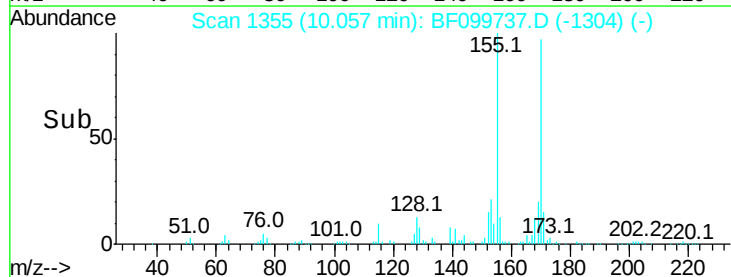
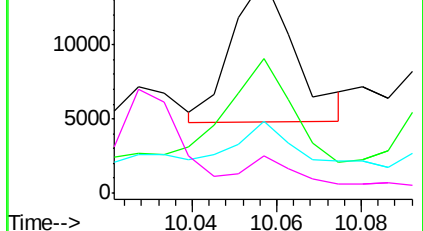


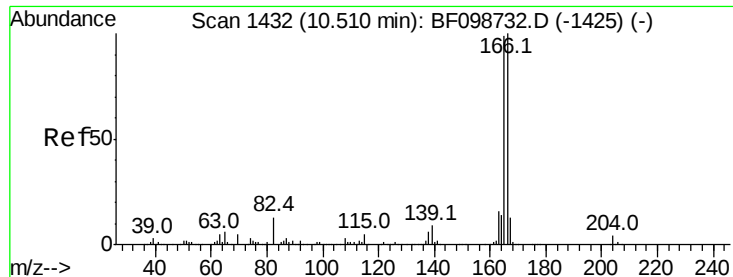
Abundance Ion 165.00 (164.70 to 165.70): E

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

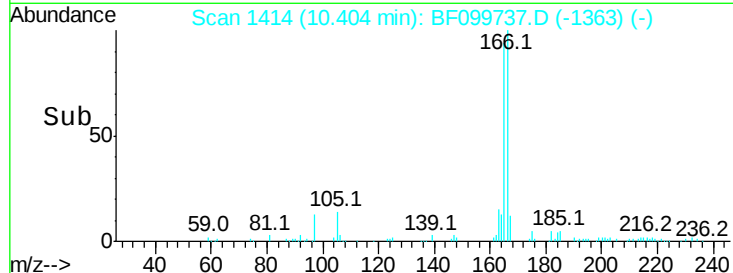
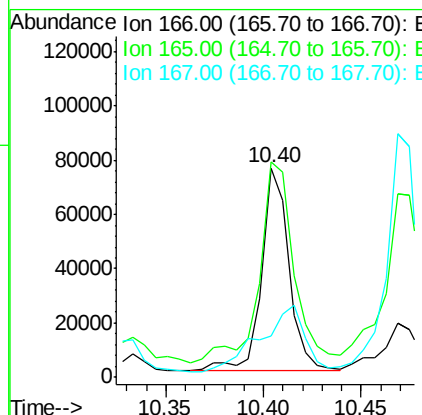
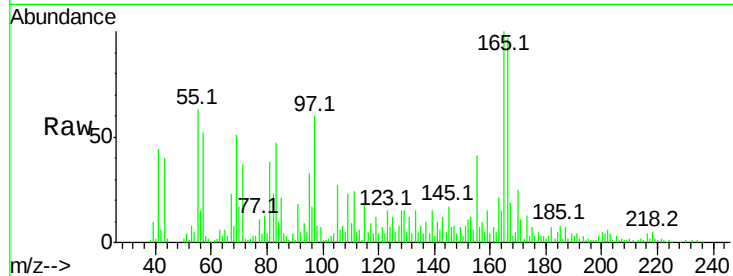




#57
 Fluorene
 Concen: 7.713 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: BF099737.D
 Acq: 21 Oct 2017 19:35

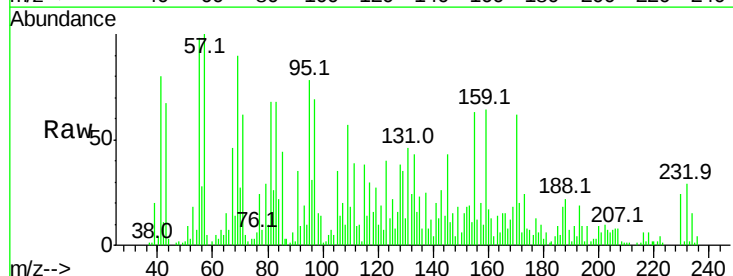
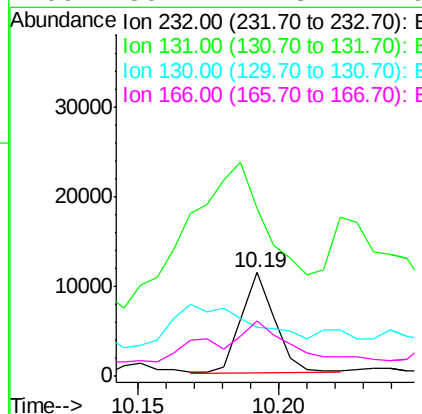
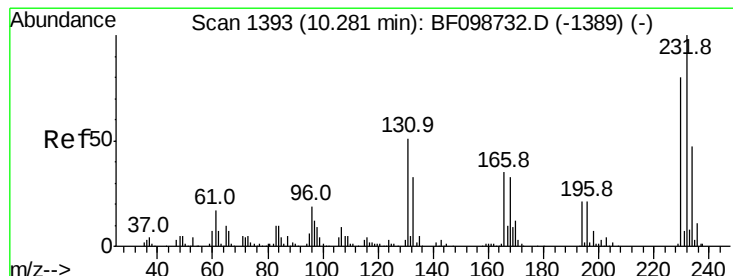
Instrument :
 BNA_F
 ClientSampleId :

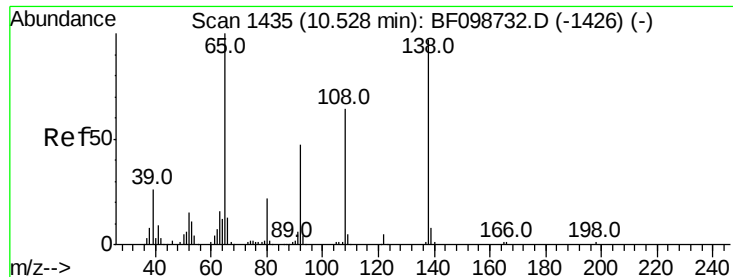
Tot Ion:166 Resp: 73760
 Ion Ratio Lower Upper
 166 100
 165 102.7 79.8 119.8
 167 19.8 10.6 16.0#



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 4.523 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. 0.01 min
 Lab File: BF099737.D
 Acq: 21 Oct 2017 19:35

Tgt Ion:232 Resp: 9410
 Ion Ratio Lower Upper
 232 100
 131 344.5 43.8 65.8#
 130 0.0 2.1 3.1#
 166 86.7 27.8 41.6#





#61

4-Nitroaniline

Concen: 2.243 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.13 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

Instrument :

BNA_F

ClientSampleId :

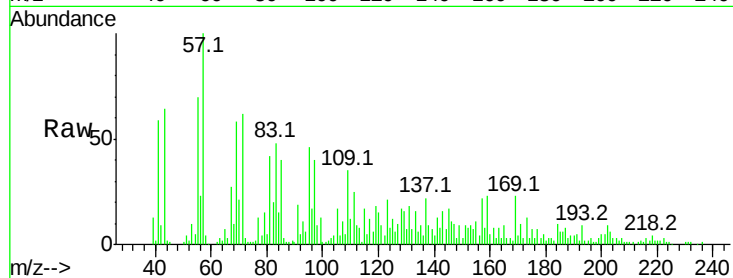
Tot Ion:138 Resp: 5921

Ion Ratio Lower Upper

138 100

92 50.3 30.2 70.2

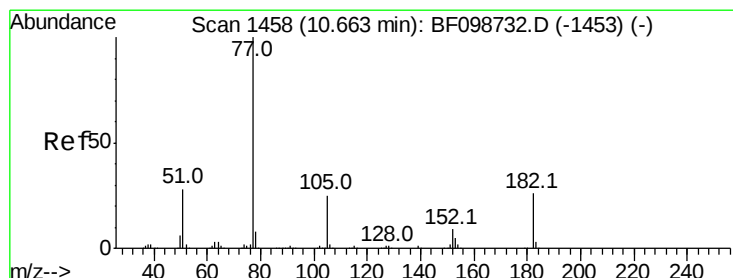
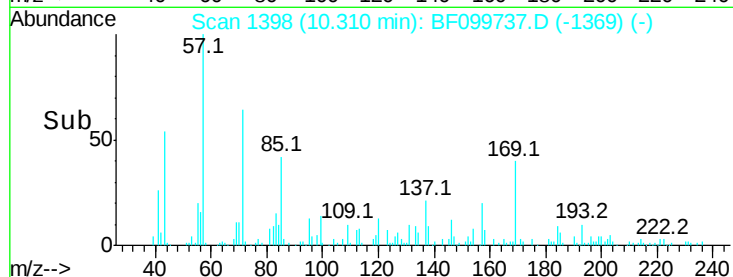
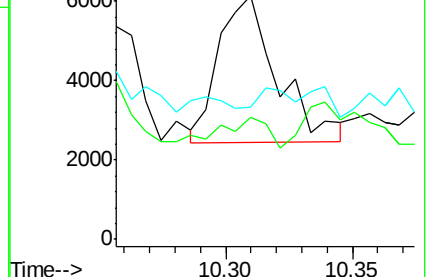
108 54.2 52.5 92.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 2.049 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

Tgt Ion: 77 Resp: 19841

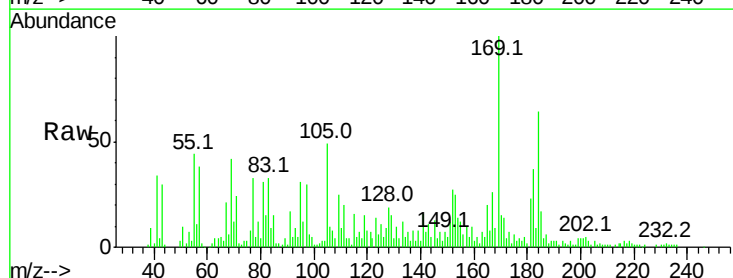
Ion Ratio Lower Upper

77 100

182 111.8 1.7 41.7#

105 149.3 3.0 43.0#

51 31.3 9.9 49.9

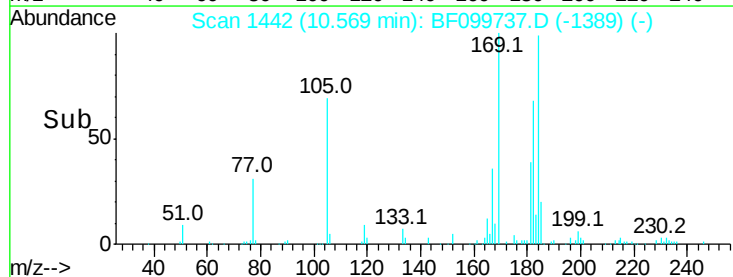
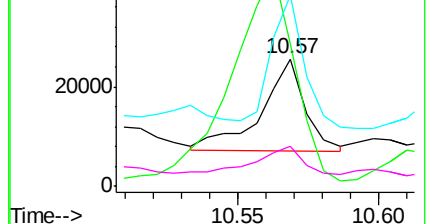


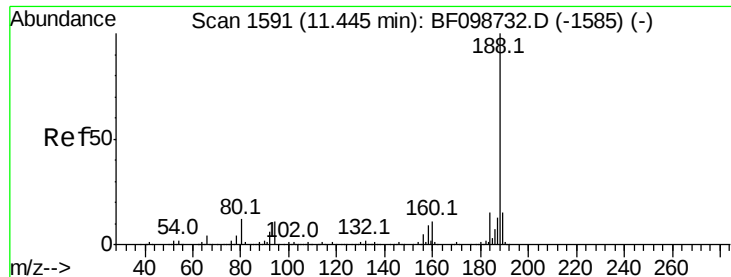
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

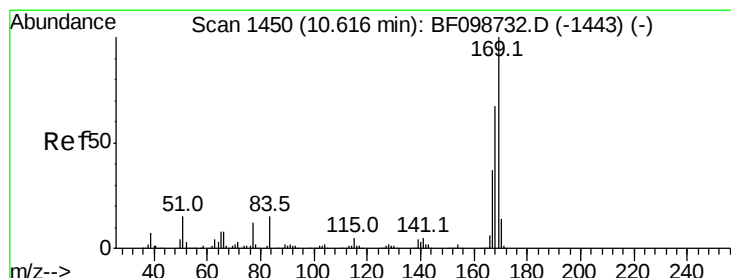
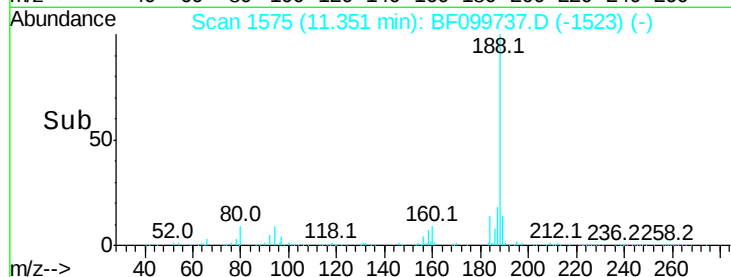
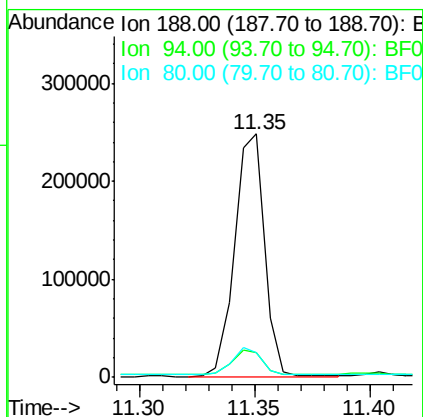
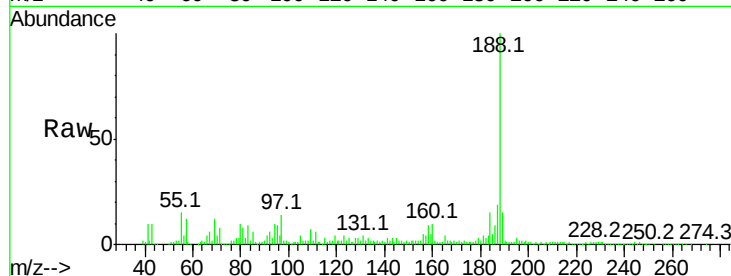




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF099737.D
Acq: 21 Oct 2017 19:35

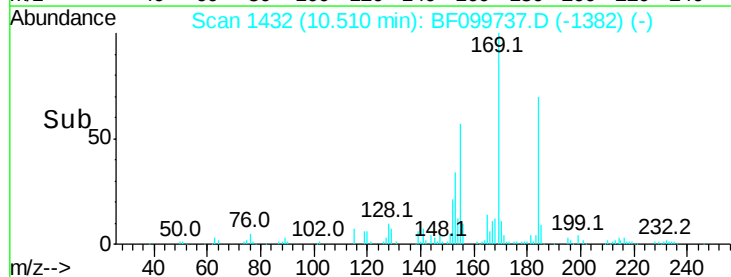
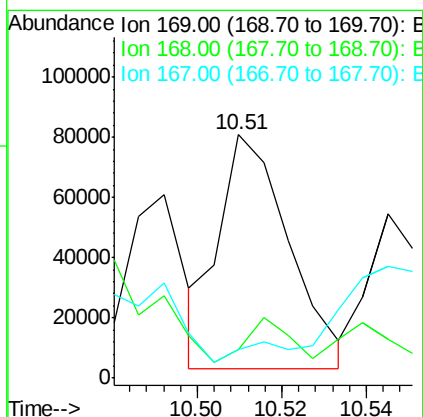
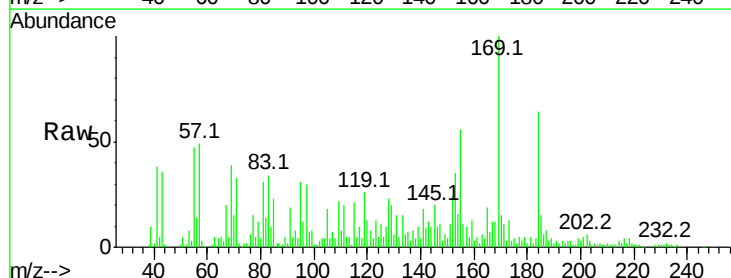
Instrument :
BNA_F
ClientSampleId :

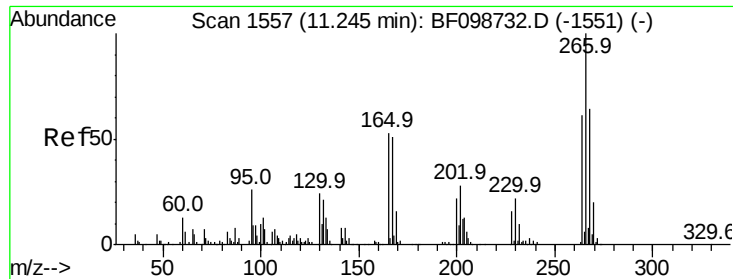
Tot Ion:188 Resp: 223334
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.3 9.2 13.8



#65
n-Nitrosodiphenylamine
Concen: 11.568 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF099737.D
Acq: 21 Oct 2017 19:35

Tgt Ion:169 Resp: 89504
Ion Ratio Lower Upper
169 100
168 12.0 54.4 81.6#
167 11.6 29.8 44.6#

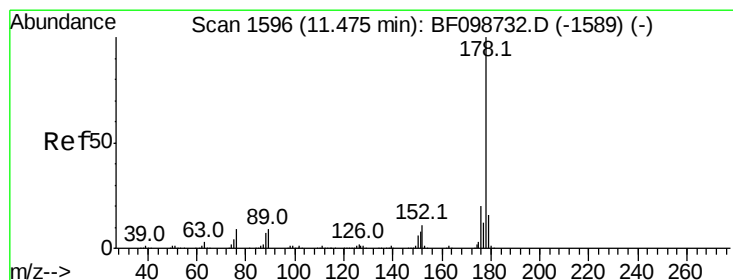
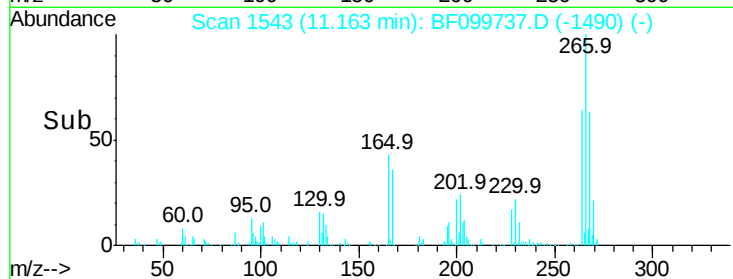
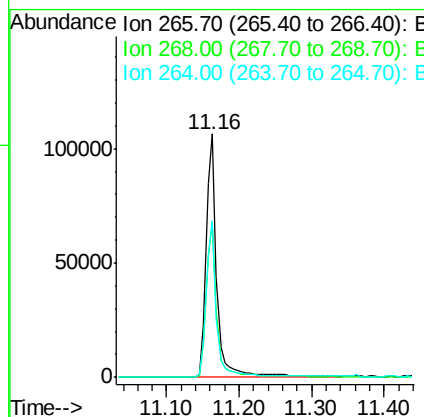
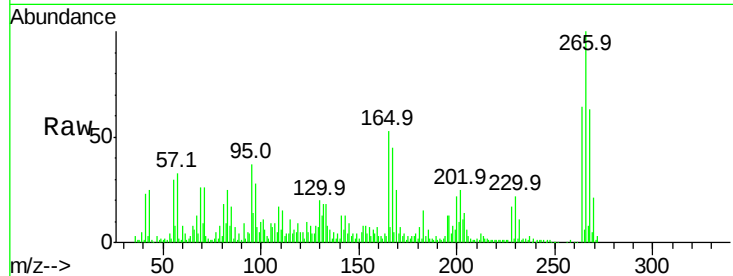




#69
 Pentachlorophenol
 Concen: 76.547 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. 0.01 min
 Lab File: BF099737.D
 Acq: 21 Oct 2017 19:35

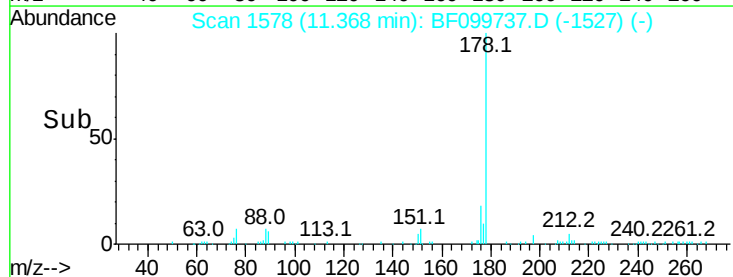
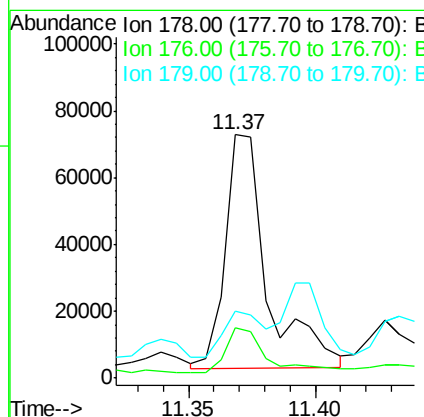
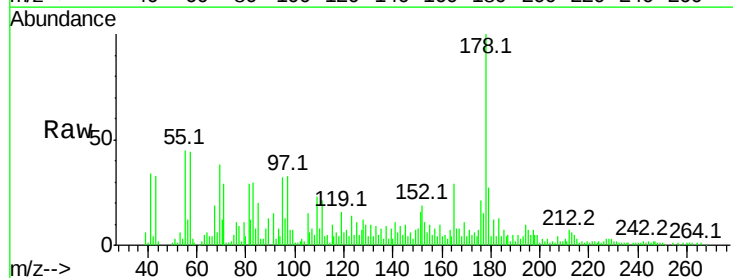
Instrument :
 BNA_F
 ClientSampleId :

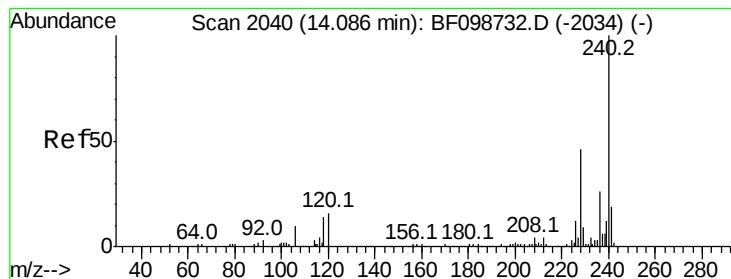
Tot Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.1	76.7
264	64.4	49.5	74.3



#70
 Phenanthrene
 Concen: 6.747 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BF099737.D
 Acq: 21 Oct 2017 19:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.8	23.8
179	27.4	13.0	19.6





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

Instrument :

BNA_F

ClientSampleId :

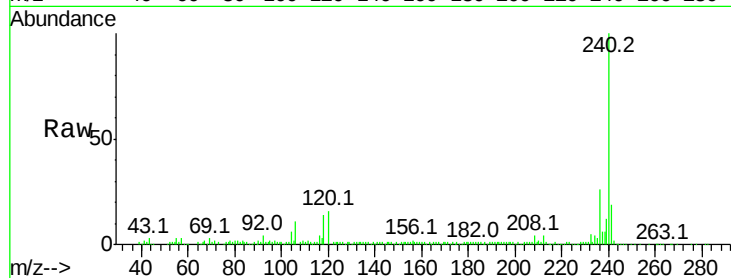
Tot Ion:240 Resp: 153531

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

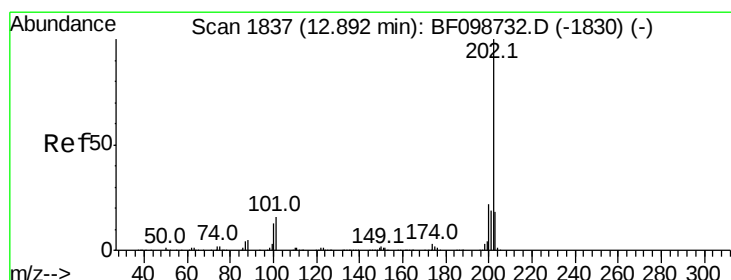
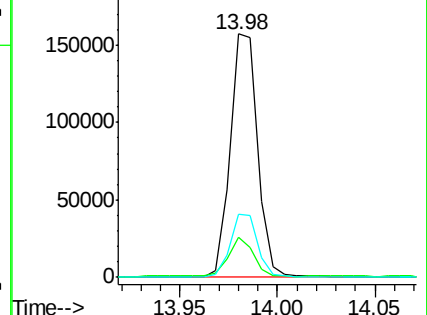
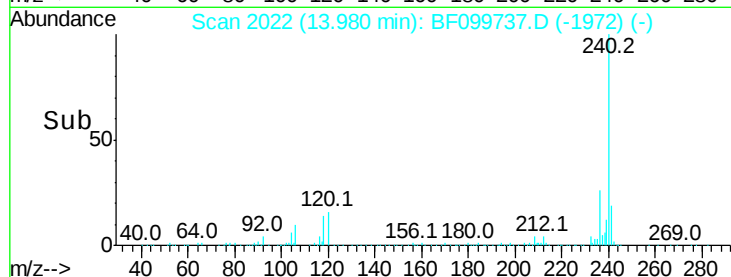
236 26.0 20.7 31.1



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: 2.017 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF099737.D

Acq: 21 Oct 2017 19:35

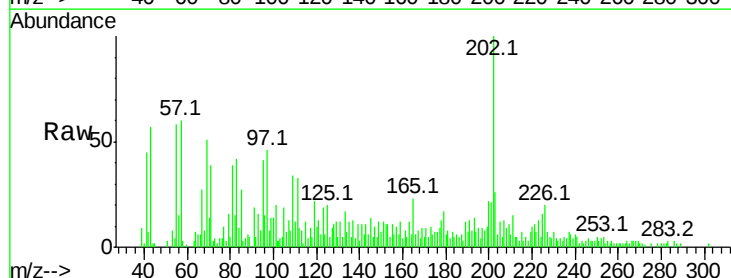
Tgt Ion:202 Resp: 23618

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

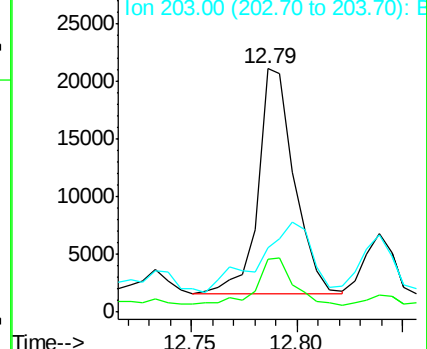
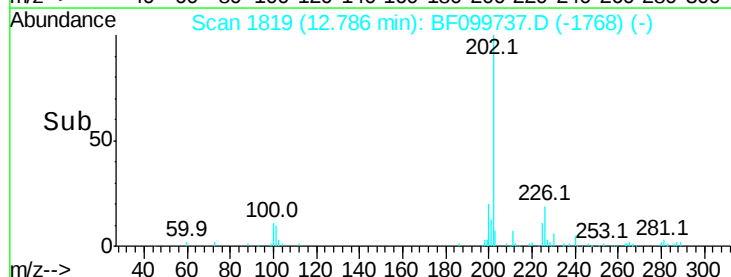
203 26.4 14.3 21.5#

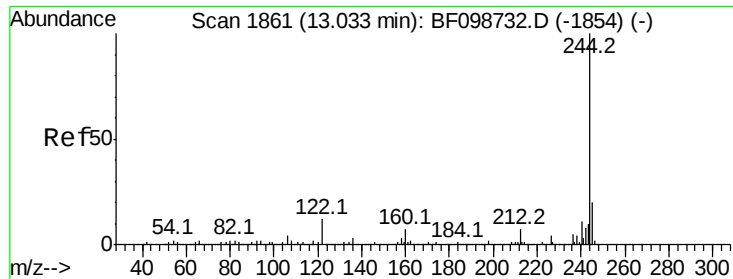


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

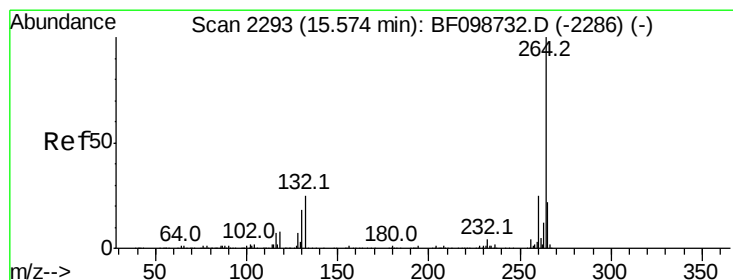
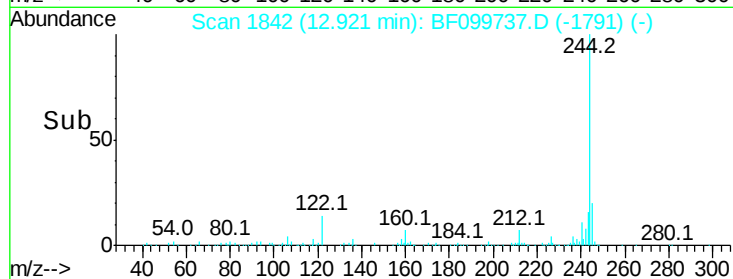
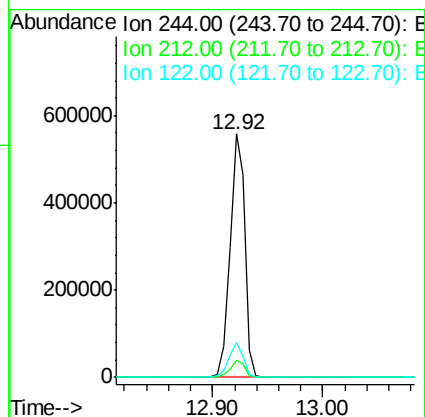
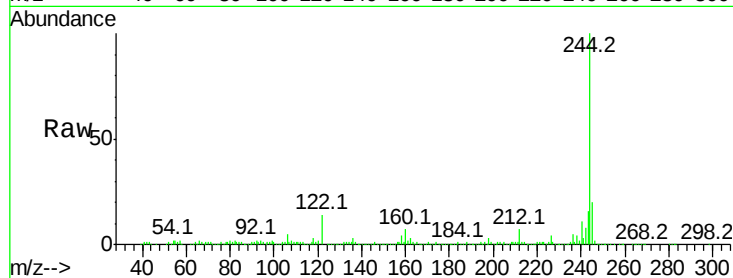




#78
 Terphenyl-d14
 Concen: 77.017 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF099737.D
 Acq: 21 Oct 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 519940
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 14.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BF099737.D
 Acq: 21 Oct 2017 19:35

Tgt Ion:264 Resp: 162071
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.3 17.5 26.3

