

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099308.D
 Acq On : 10 Oct 2017 18:59
 Operator : SJ/JU
 Sample : I5715-04 50X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 10 20:01:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	85181	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	330964	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	126585	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	184542	20.00	ng	0.00
75) Chrysene-d12	14.03	240	171447	20.00	ng	0.00
86) Perylene-d12	15.50	264	149714	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	9813	1.83	ng	0.00
7) Phenol-d6	6.49	99	11794	1.79	ng	0.00
23) Nitrobenzene-d5	7.43	82	6475	1.25	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	1631	1.57	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	14400	1.90	ng	-0.01
78) Terphenyl-d14	12.96	244	15673	2.08	ng	-0.01

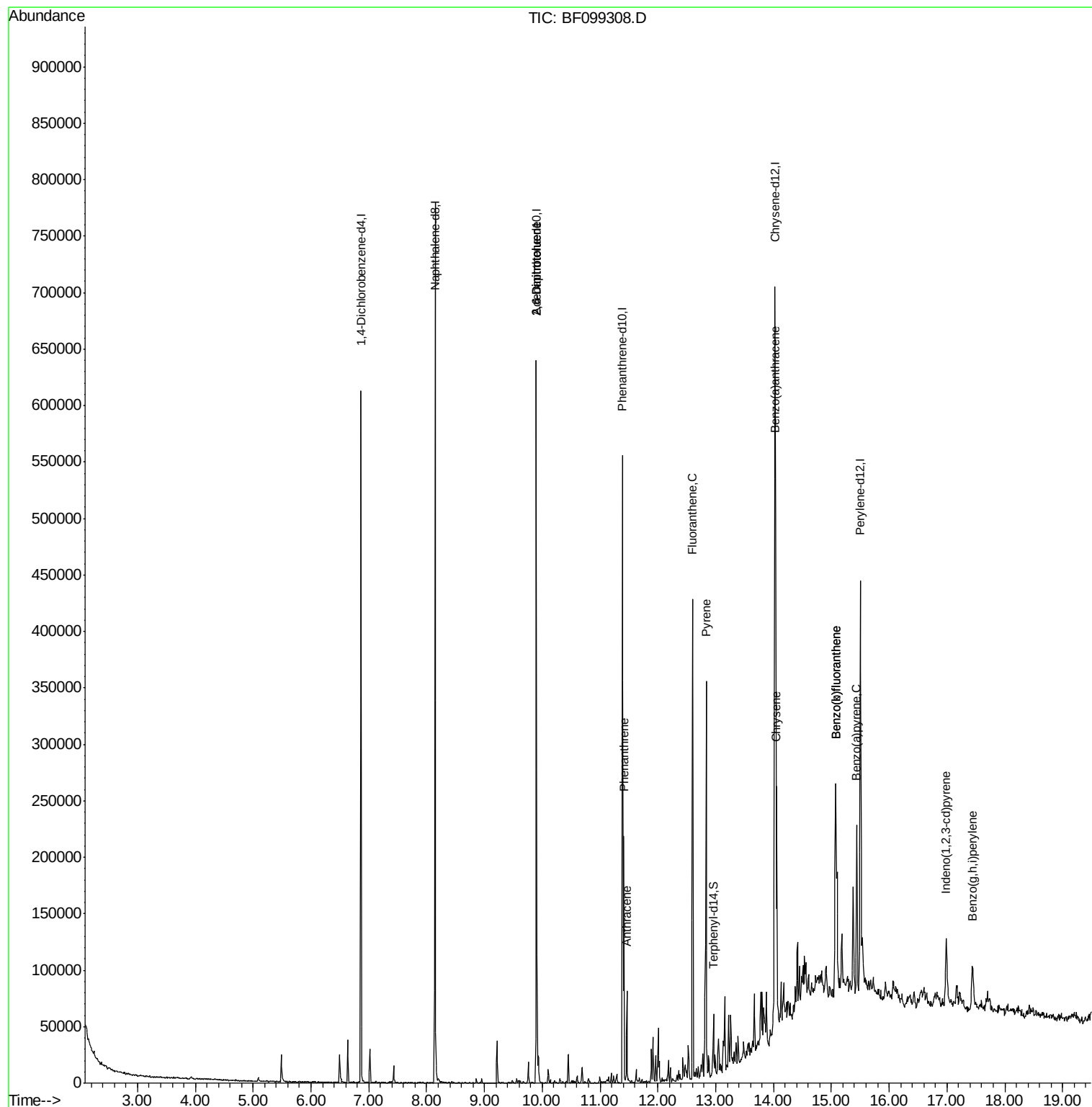
Target Compounds				Qvalue		
50) 2,6-Dinitrotoluene	9.90	165	15969	7.678	ng	# 24
56) 2,4-Dinitrotoluene	9.90	165	15969	5.916	ng	# 21
70) Phenanthrene	11.41	178	73827	7.474	ng	98
71) Anthracene	11.46	178	32064	3.172	ng	97
74) Fluoranthene	12.60	202	165533	16.549	ng	100
77) Pyrene	12.83	202	145922	11.162	ng	97
80) Benzo(a)anthracene	14.02	228	96636	9.308	ng	98
82) Chrysene	14.05	228	80240	8.118	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	32946	4.167	ng	93
87) Benzo(b)fluoranthene	15.07	252	137827	14.973	ng	# 97
88) Benzo(k)fluoranthene	15.07	252	137827	15.159	ng	96
89) Benzo(a)pyrene	15.44	252	66645	7.887	ng	# 91
91) Benzo(a,h,i)perylene	17.44	276	29234	4.374	ng	97

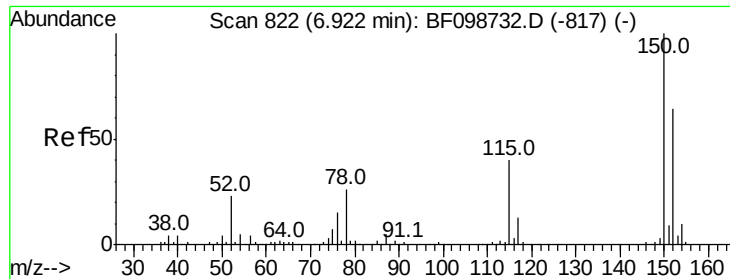
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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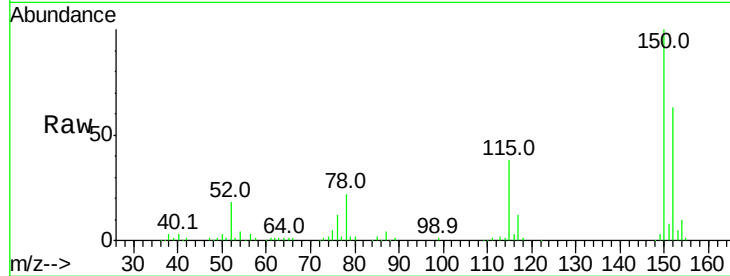


#1

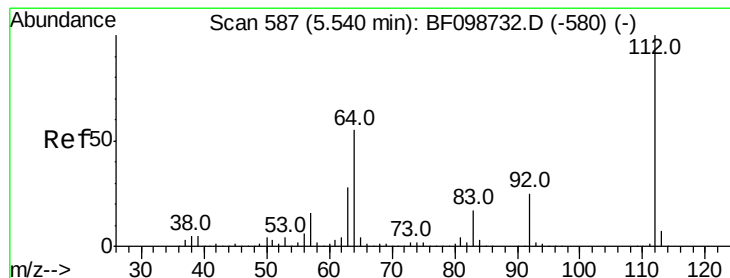
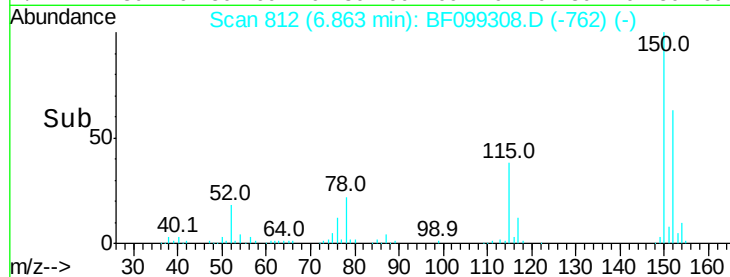
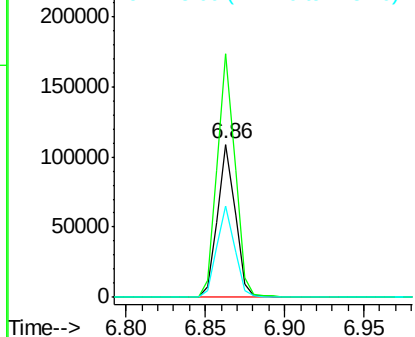
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85181
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 59.7 50.1 75.1



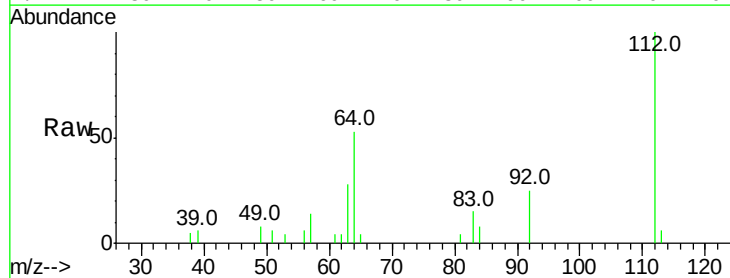
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



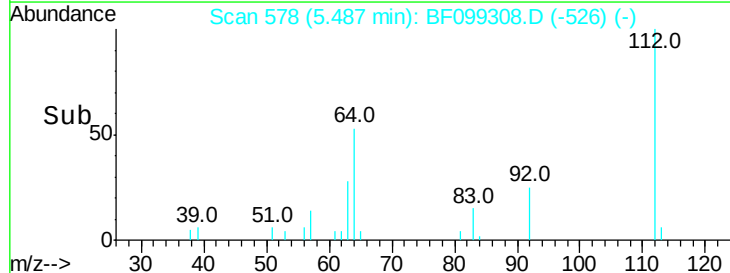
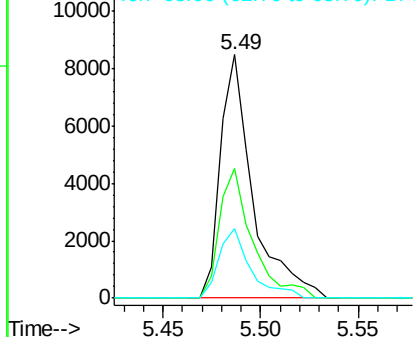
#5

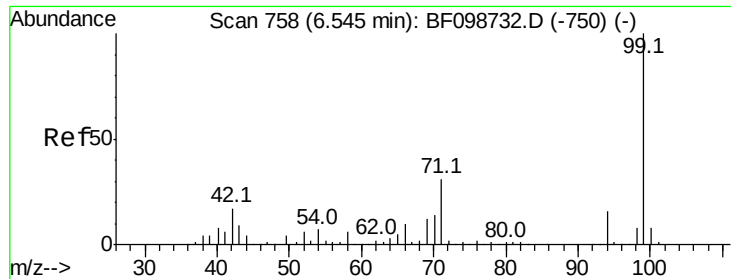
2-Fluorophenol
Concen: 1.834 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

Tgt Ion:112 Resp: 9813
Ion Ratio Lower Upper
112 100
64 53.4 47.9 71.9
63 28.3 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: 1.787 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

Instrument :

BNA_F

ClientSampleId :

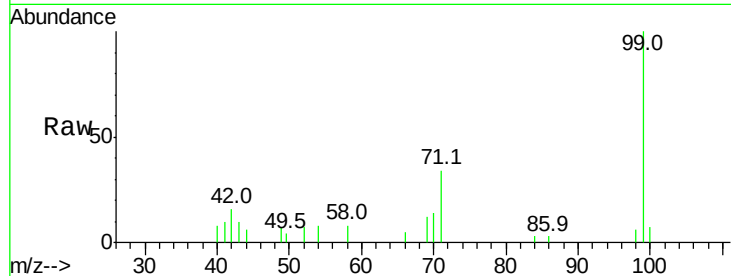
Tot Ion: 99 Resp: 11794

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

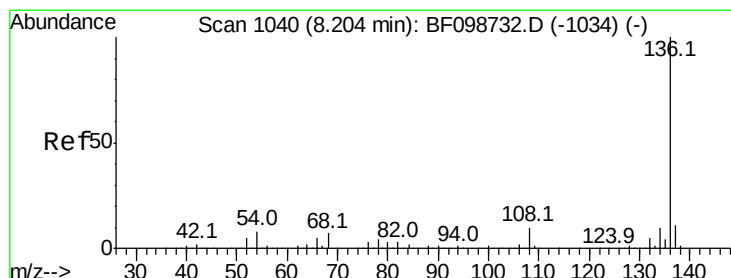
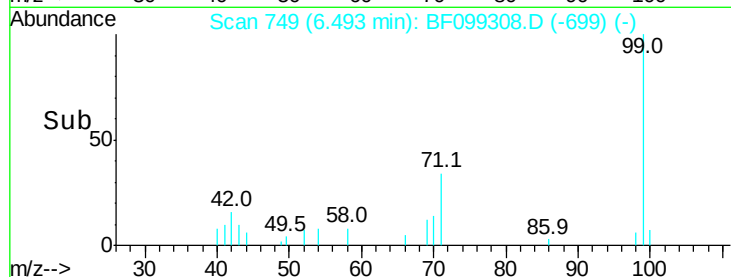
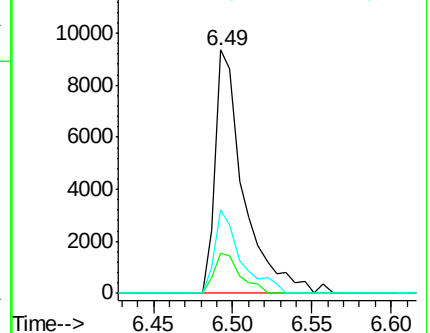
71 34.2 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

Tgt Ion: 136 Resp: 330964

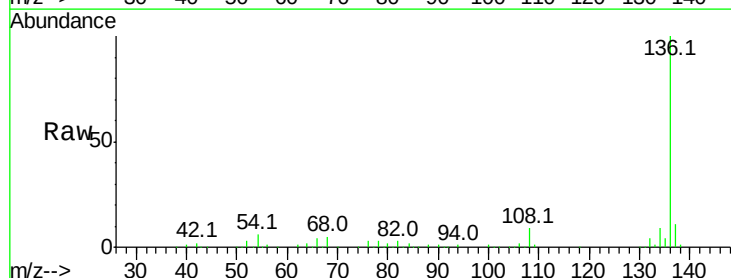
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.5 6.6 9.8#

68 5.4 5.0 7.4

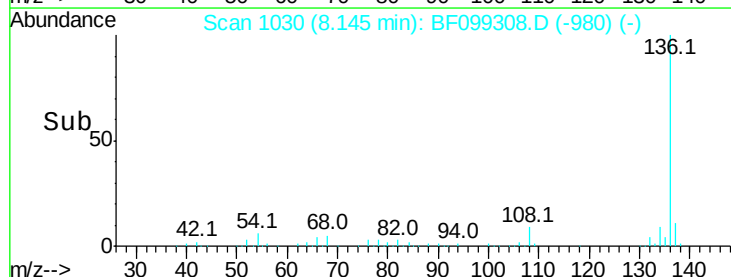
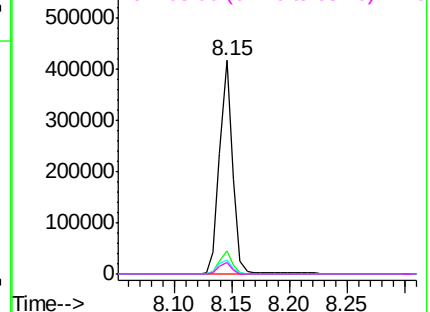


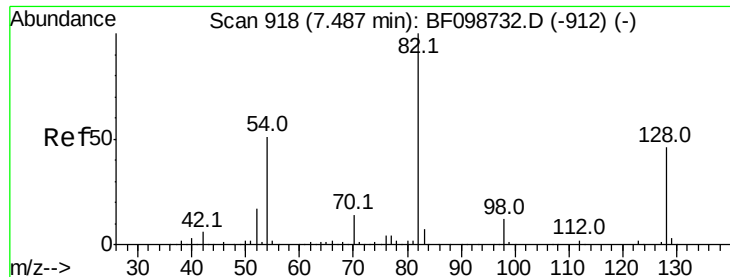
Abundance Ion 136.00 (135.70 to 136.70): E

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

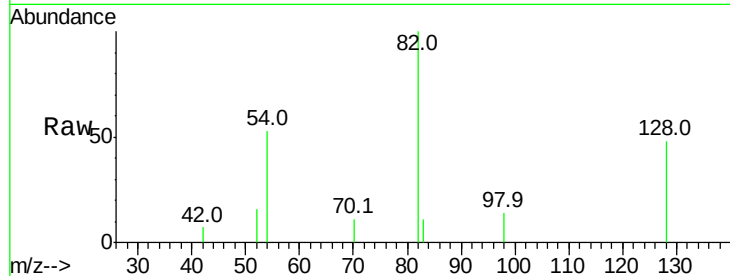




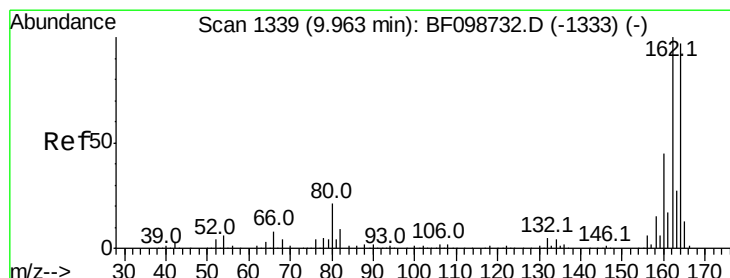
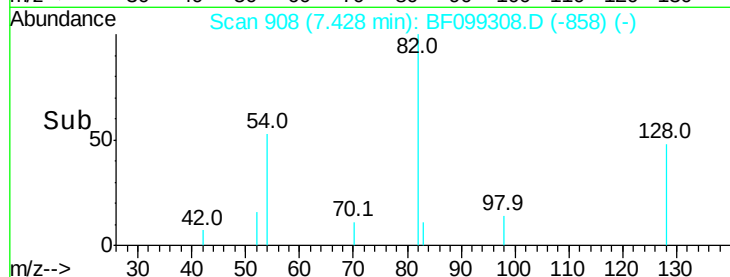
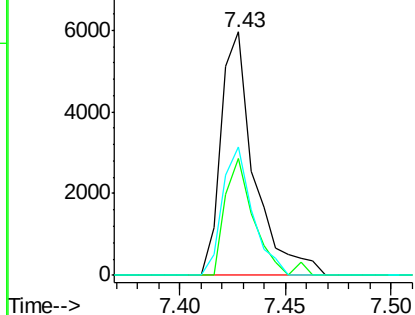
#23
 Nitrobenzene-d5
 Concen: 1.255 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 6475
 Ion Ratio Lower Upper
 82 100
 128 48.0 36.1 54.1
 54 52.6 41.4 62.2

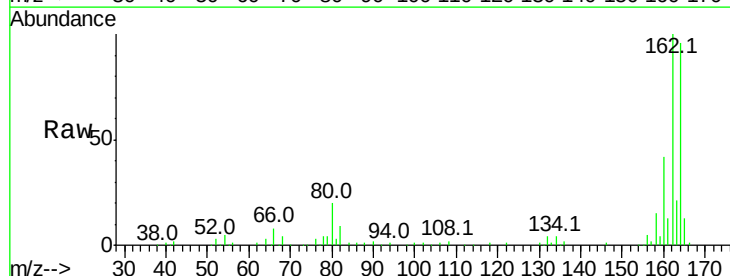


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

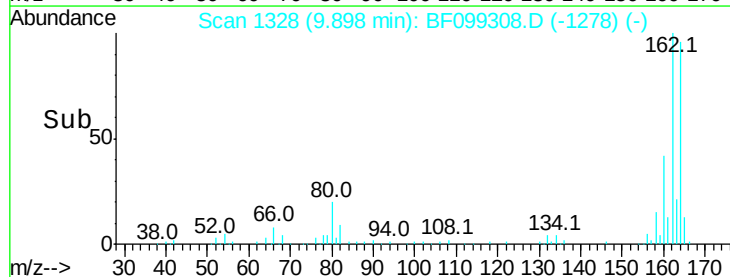
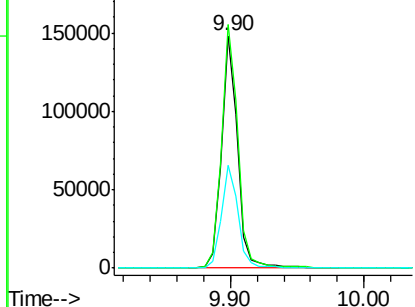


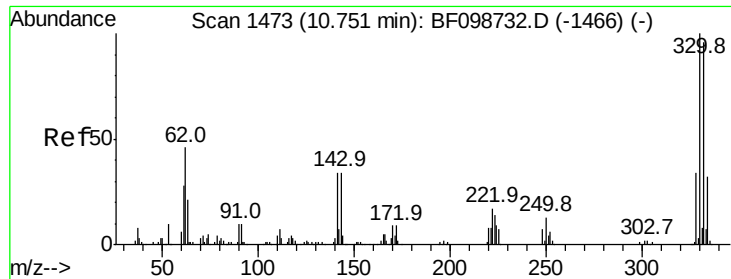
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Tgt Ion:164 Resp: 126585
 Ion Ratio Lower Upper
 164 100
 162 104.6 86.1 129.1
 160 44.2 38.3 57.5



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

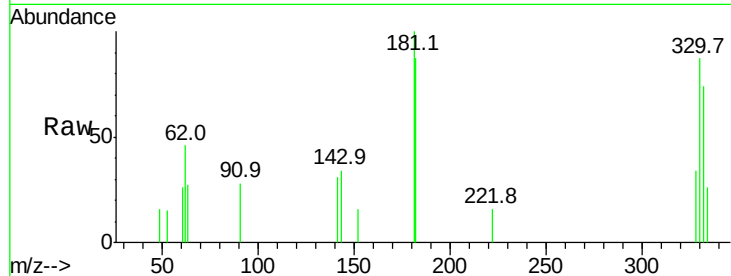




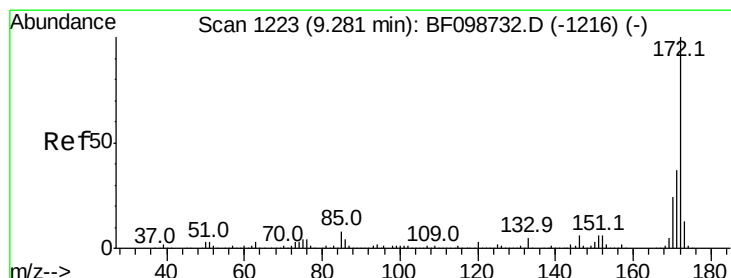
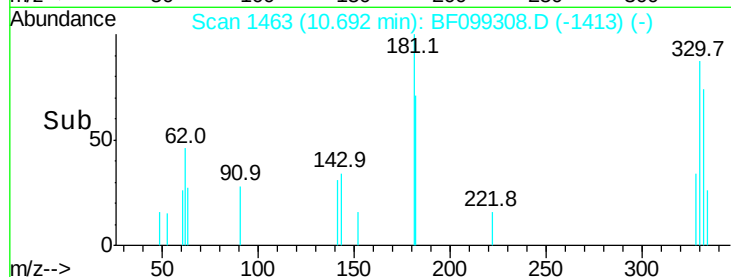
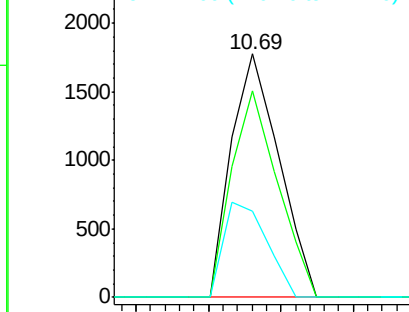
#41
 2,4,6-Tribromophenol
 Concen: 1.575 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 1631
 Ion Ratio Lower Upper
 330 100
 332 81.8 77.0 115.6
 141 35.1 29.9 44.9

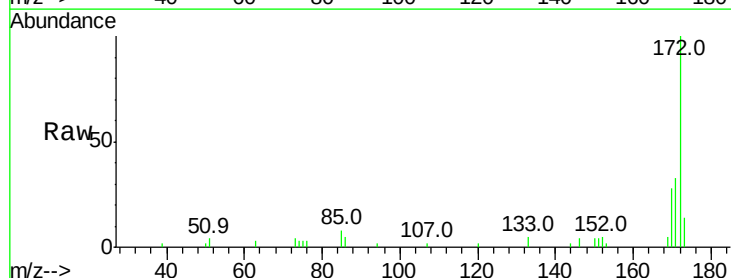


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

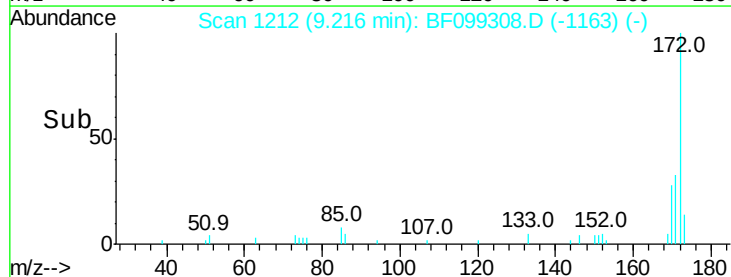
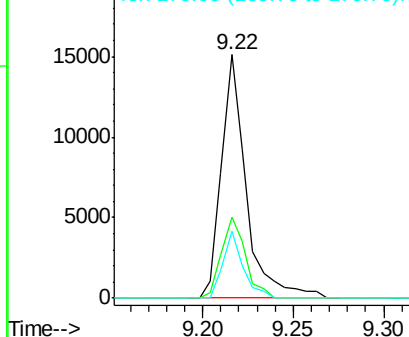


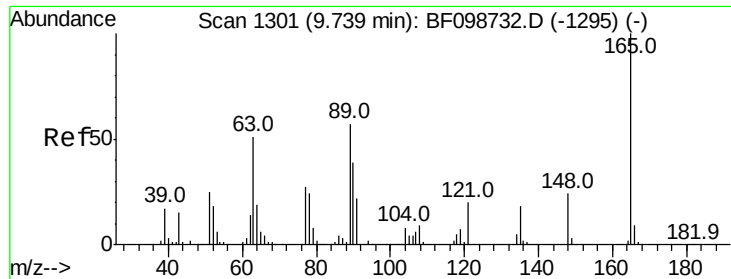
#44
 2-Fluorobiphenyl
 Concen: 1.899 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Tgt Ion:172 Resp: 14400
 Ion Ratio Lower Upper
 172 100
 171 33.3 29.7 44.5
 170 27.7 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

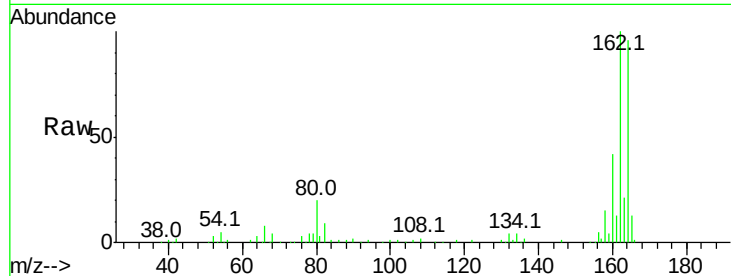




#50
 2,6-Dinitrotoluene
 Concen: 7.678 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Instrument :
 BNA_F
 ClientSampleId :

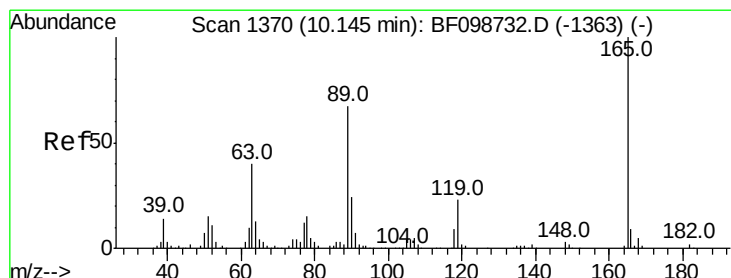
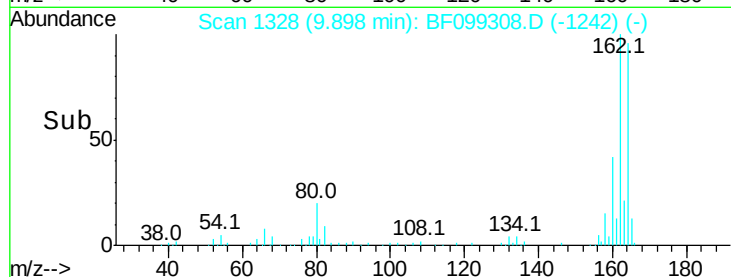
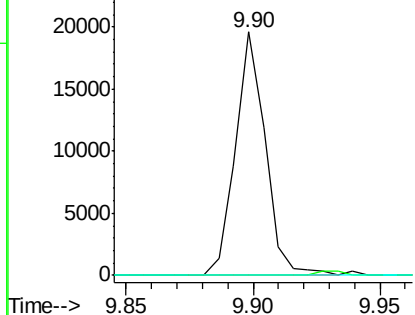
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 5.916 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

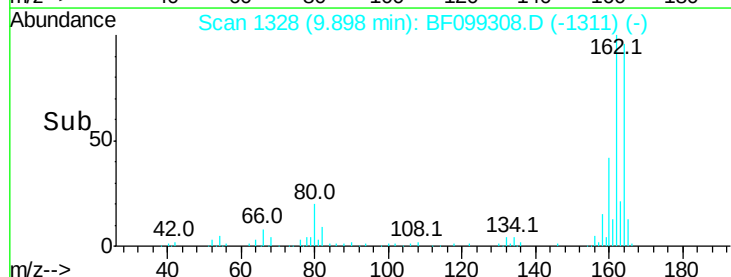
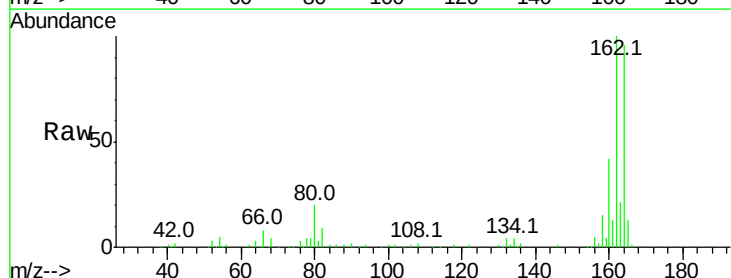
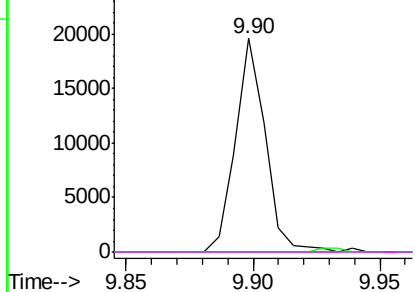
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

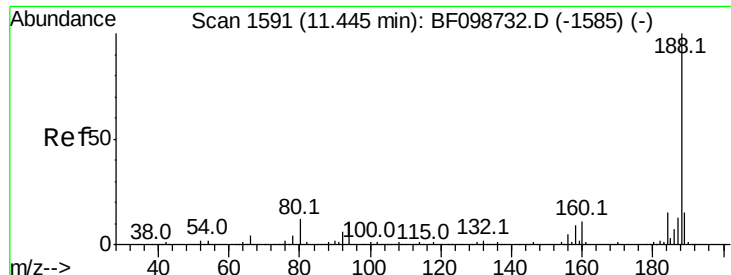
Abundance Ion 165.00 (164.70 to 165.70): E

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

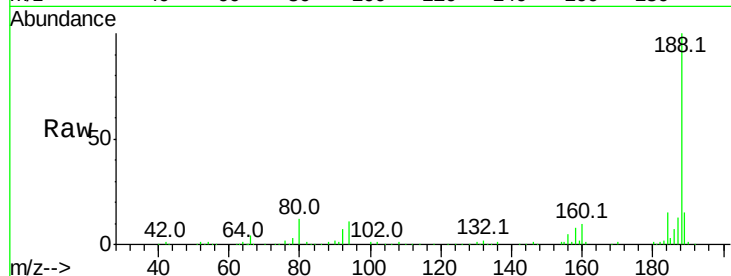




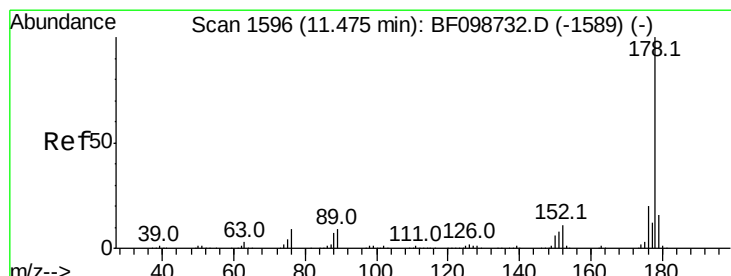
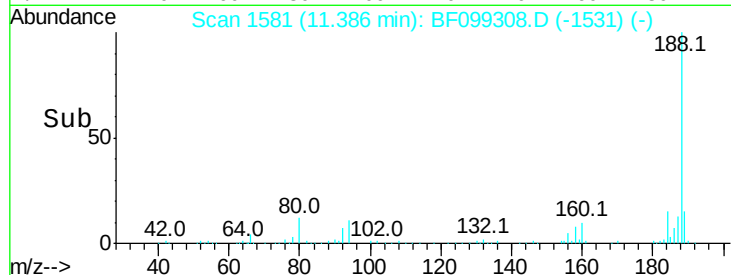
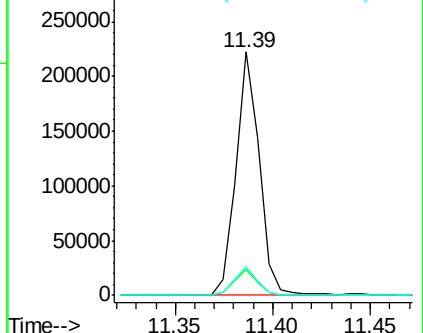
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 184542
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.6 9.2 13.8

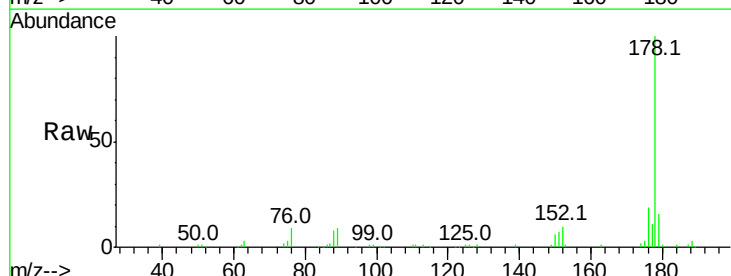


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

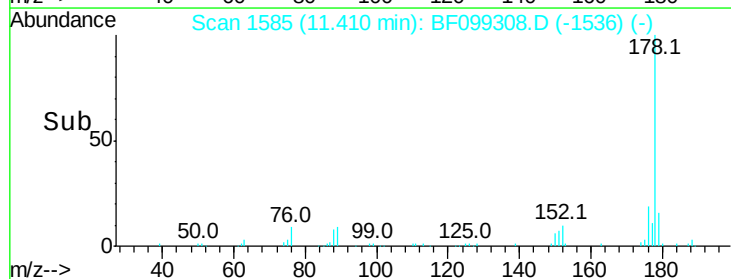
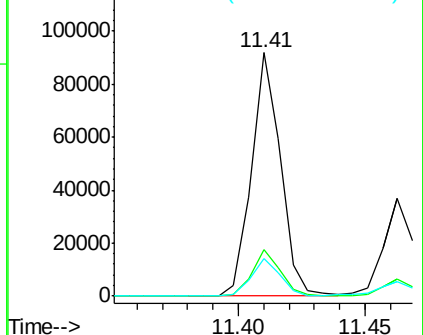


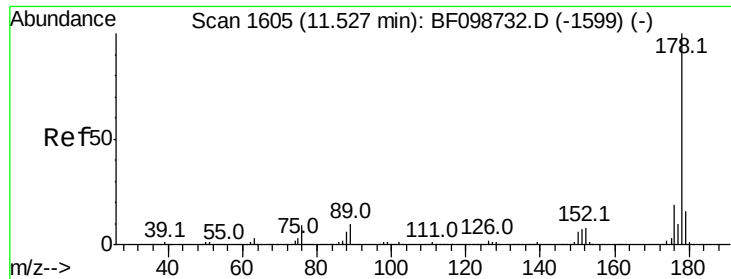
#70
Phenanthrene
Concen: 7.474 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

Tgt Ion:178 Resp: 73827
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.5 13.0 19.6



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





#71

Anthracene

Concen: 3.172 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

Instrument :

BNA_F

ClientSampleId :

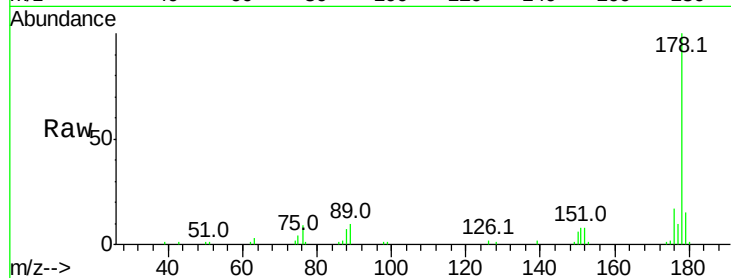
Tot Ion:178 Resp: 32064

Ion Ratio Lower Upper

178 100

176 17.0 15.4 23.2

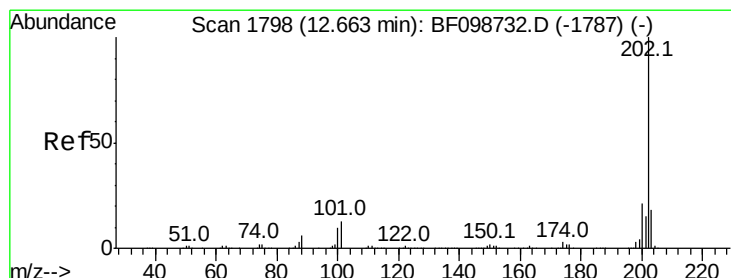
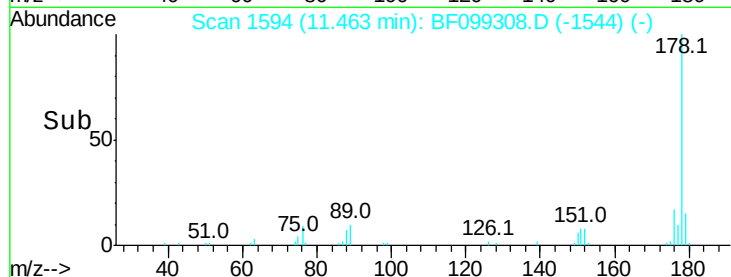
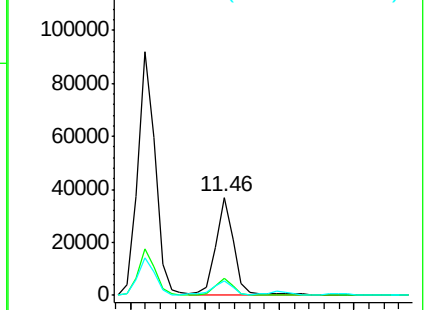
179 15.3 12.6 19.0



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: 16.549 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

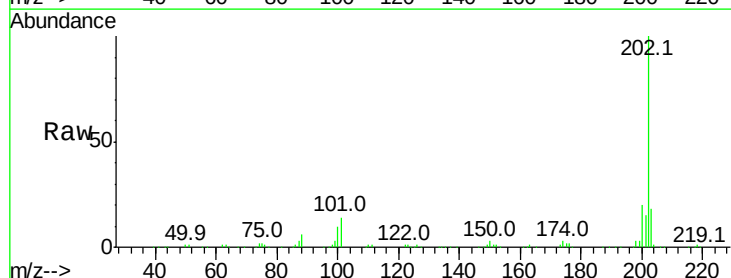
Tgt Ion:202 Resp: 165533

Ion Ratio Lower Upper

202 100

101 14.2 0.0 34.1

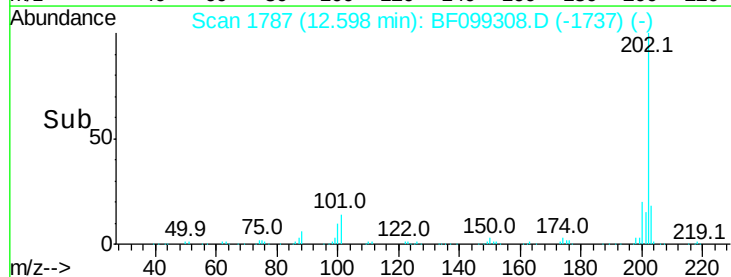
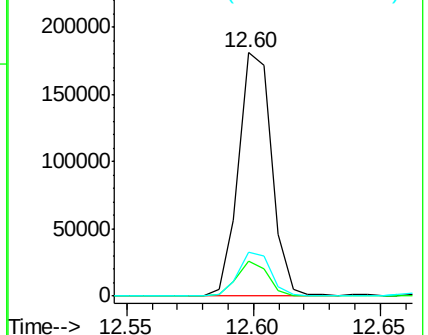
203 18.0 0.0 38.1

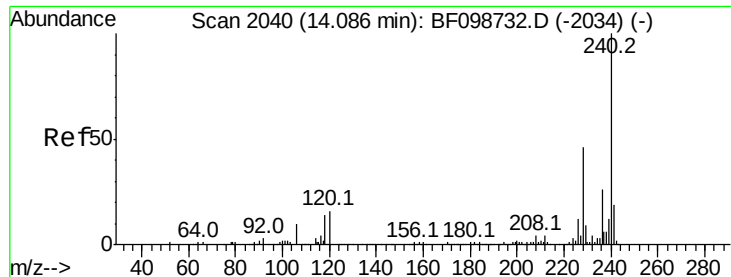


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

Instrument :

BNA_F

ClientSampled :

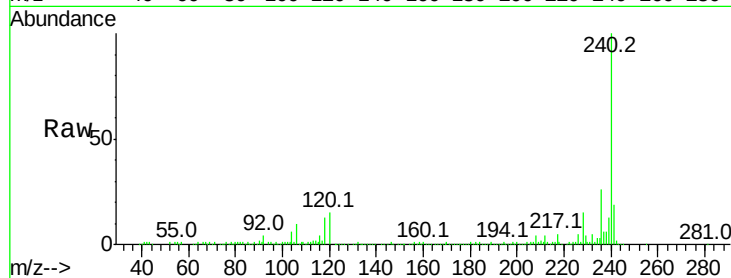
Tot Ion:240 Resp: 171447

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

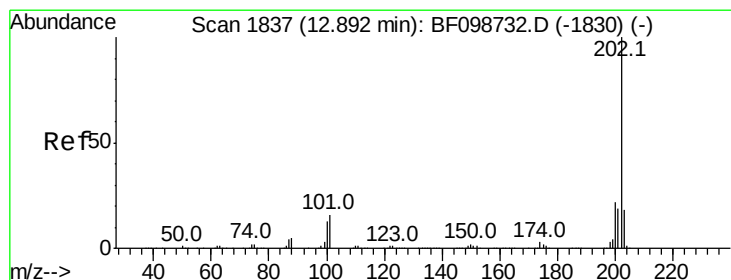
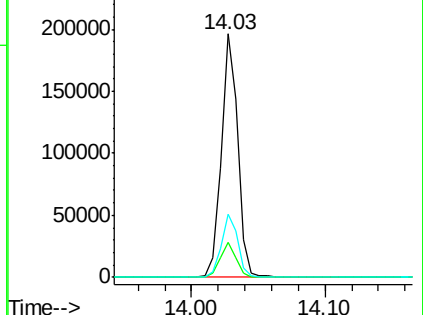
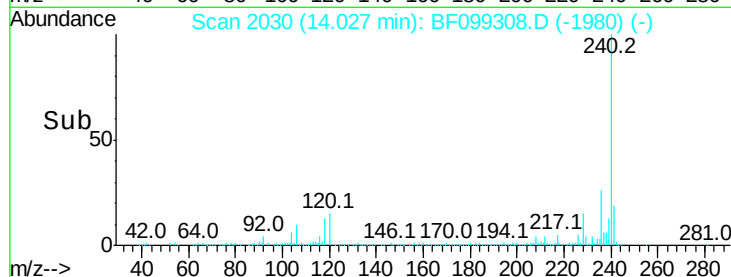
236 25.8 20.7 31.1



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: 11.162 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

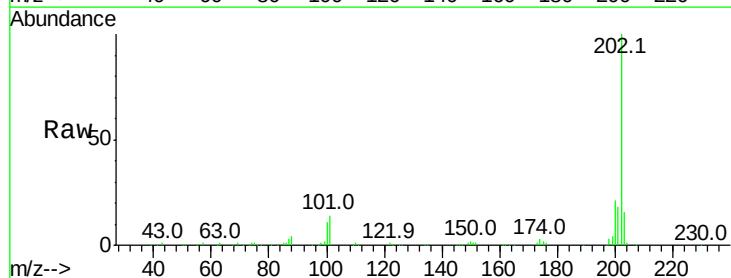
Tgt Ion:202 Resp: 145922

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

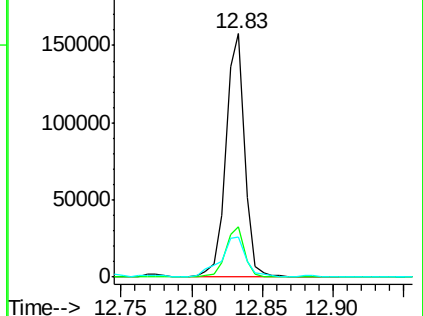
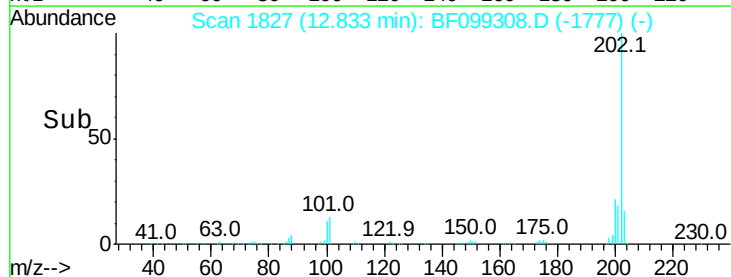
203 16.4 14.3 21.5

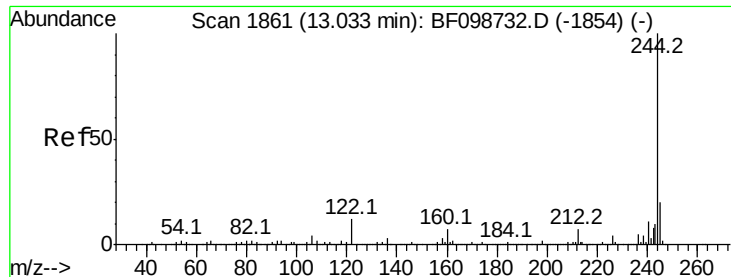


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 2.079 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

Instrument :

BNA_F

ClientSampleId :

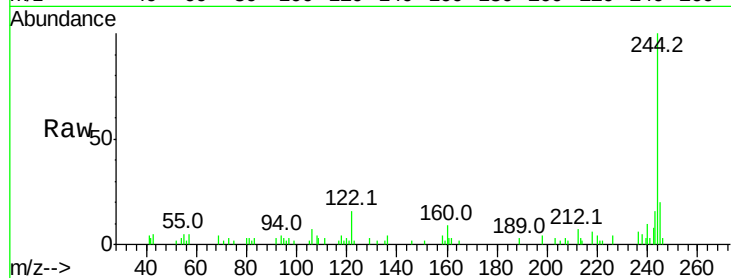
Tot Ion:244 Resp: 15673

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

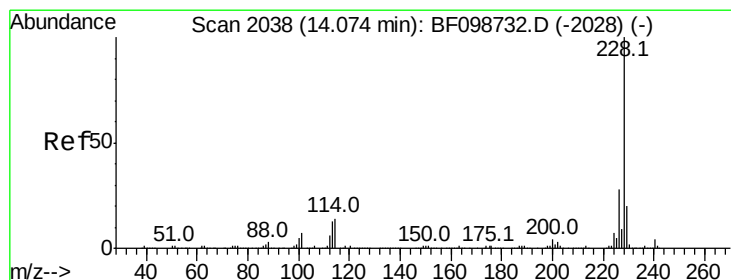
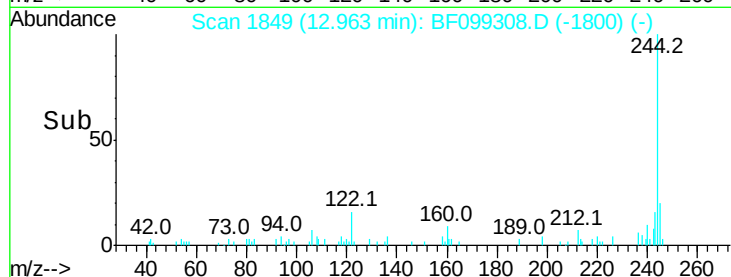
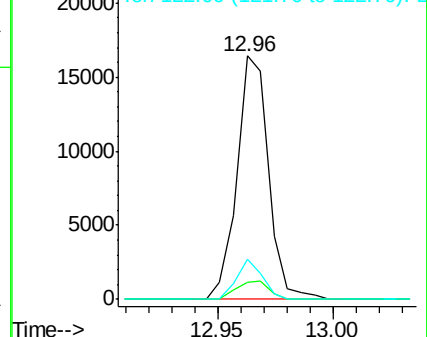
122 16.2 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 9.308 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

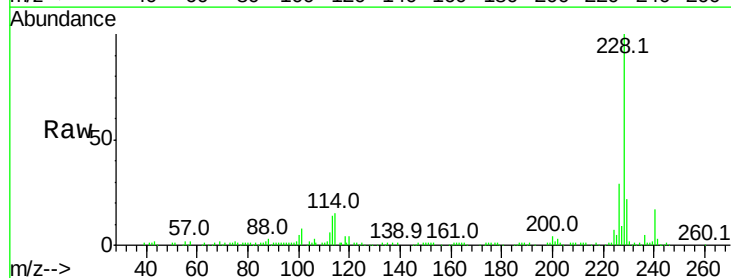
Tgt Ion:228 Resp: 96636

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

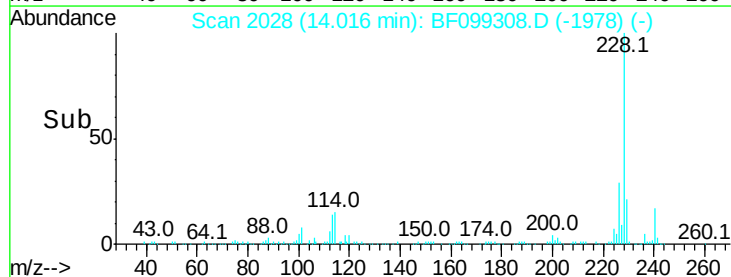
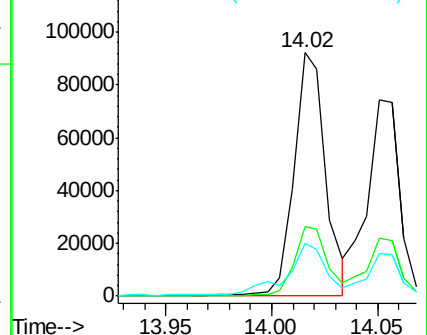
229 21.7 15.8 23.6

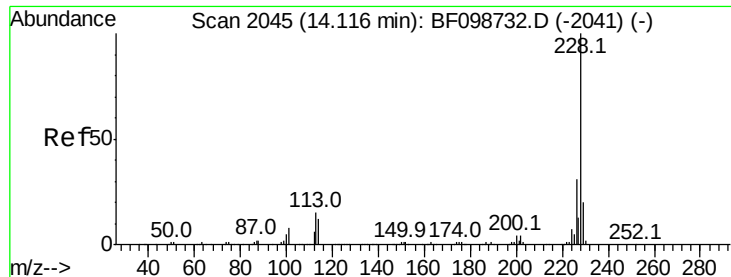


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.118 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

Instrument :

BNA_F

ClientSampleId :

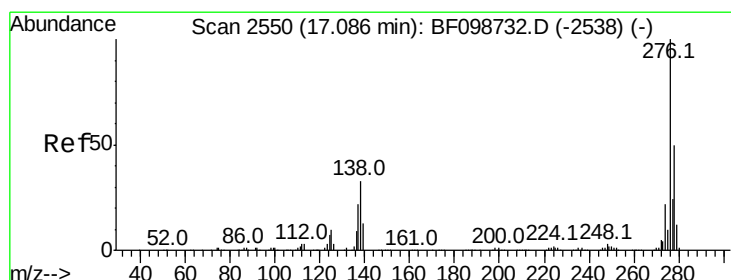
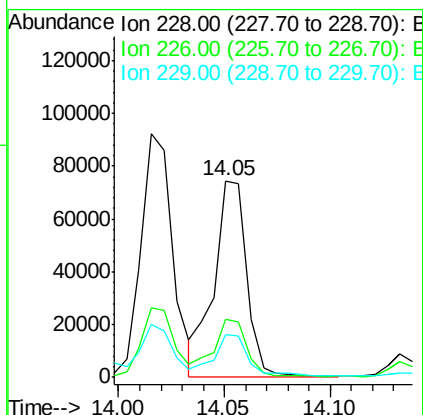
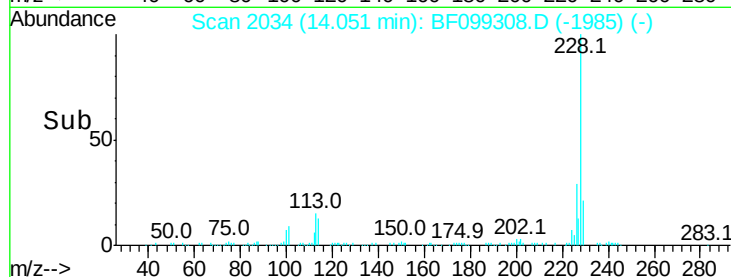
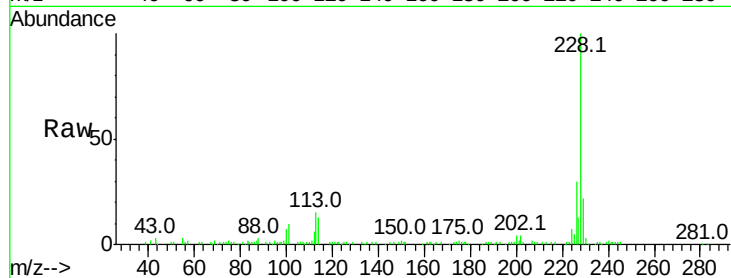
Tot Ion:228 Resp: 80240

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

229 21.6 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.167 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

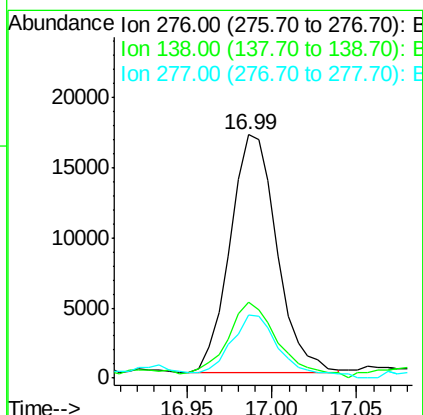
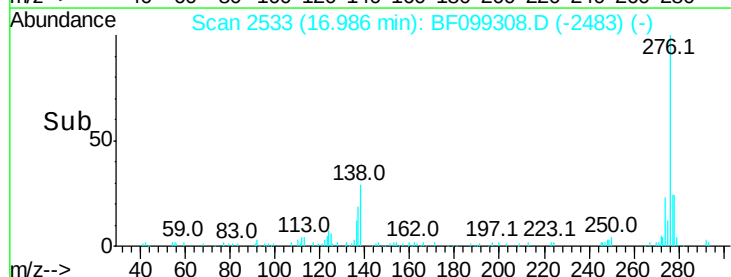
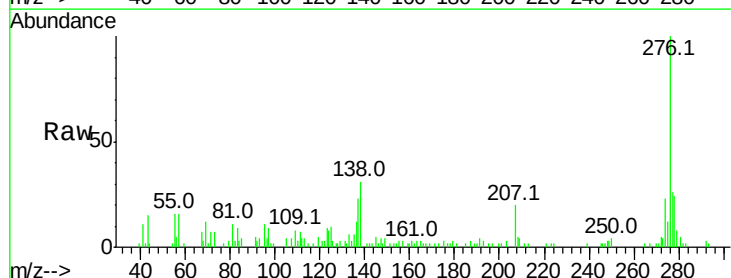
Tgt Ion:276 Resp: 32946

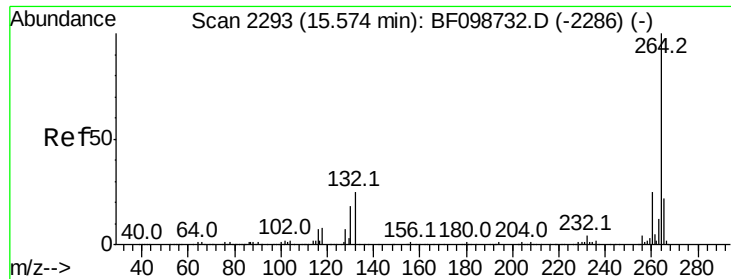
Ion Ratio Lower Upper

276 100

138 35.0 25.0 37.6

277 28.4 20.1 30.1

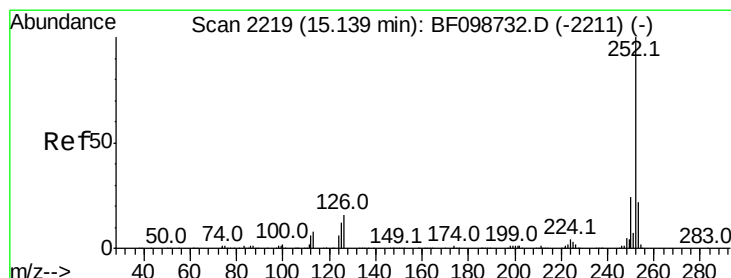
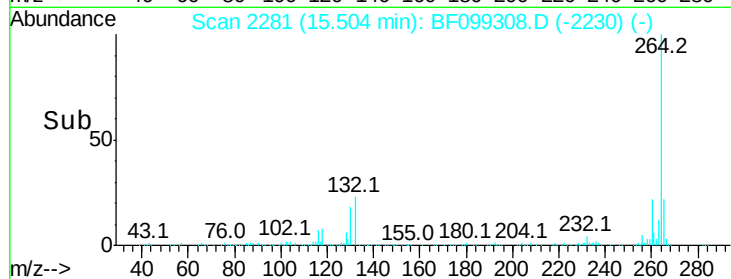
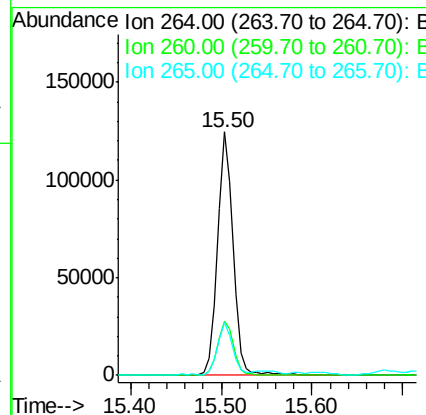
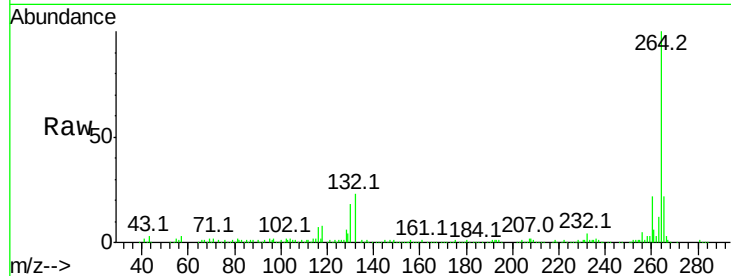




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

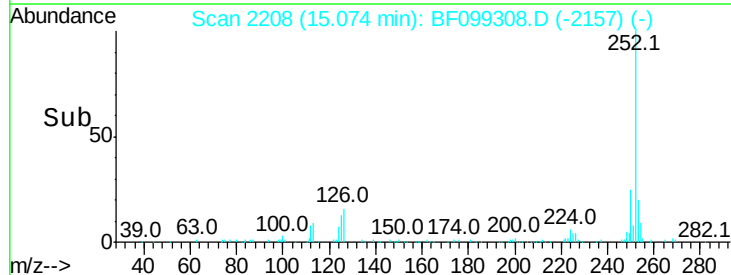
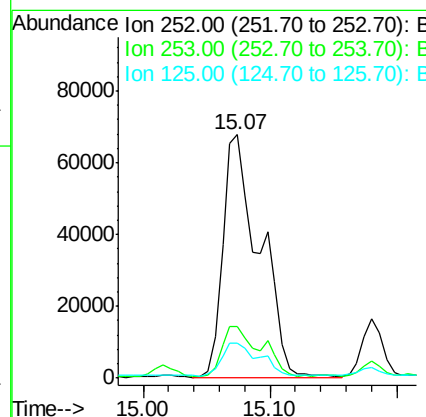
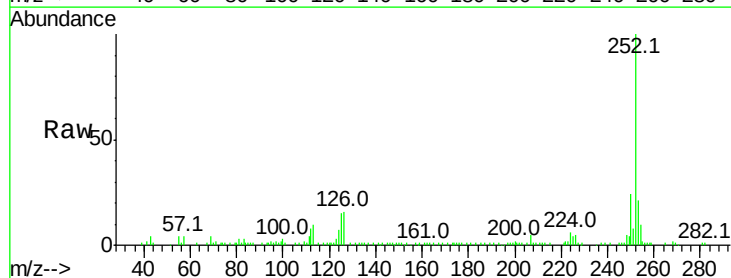
Instrument :
BNA_F
ClientSampleId :

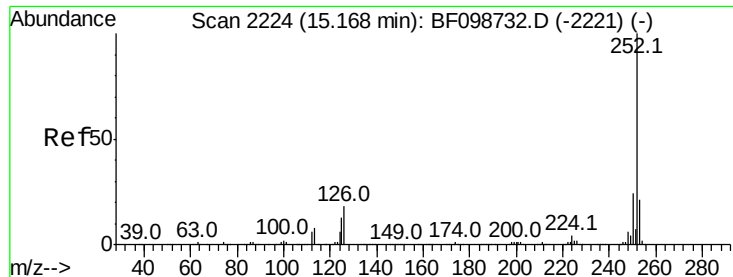
Tot Ion:264 Resp: 149714
Ion Ratio Lower Upper
264 100
260 22.1 19.2 28.8
265 21.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 14.973 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

Tgt Ion:252 Resp: 137827
Ion Ratio Lower Upper
252 100
253 21.0 17.0 25.6
125 14.6 9.0 13.6#

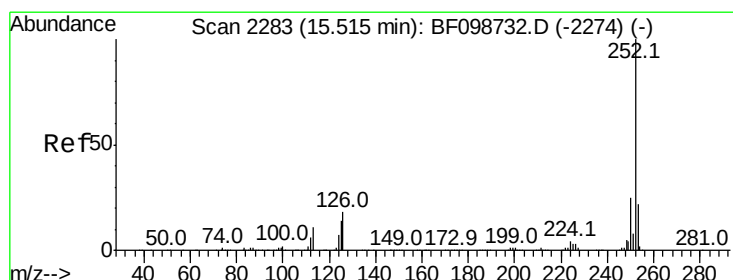
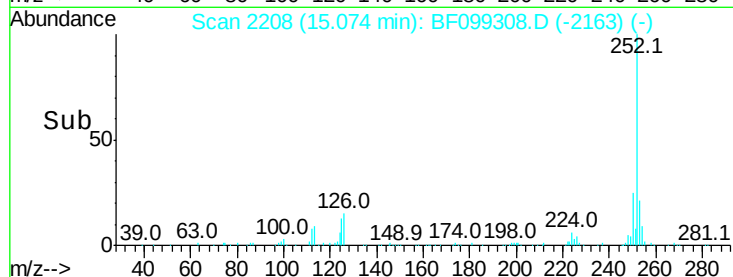
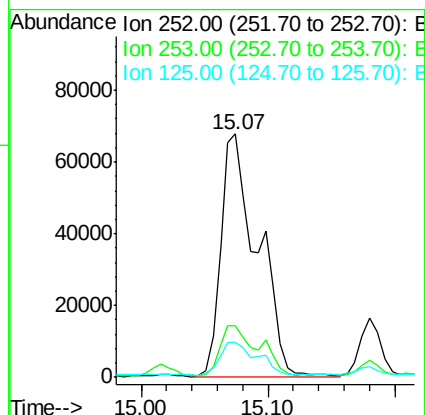
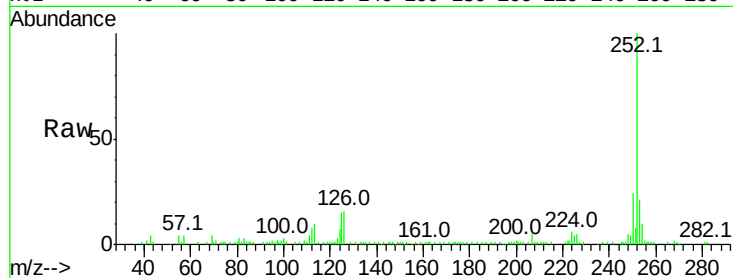




#88
 Benzo(k)fluoranthene
 Concen: 15.159 ng
 RT: 15.07 min Scan# 2208
 Delta R.T. -0.04 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

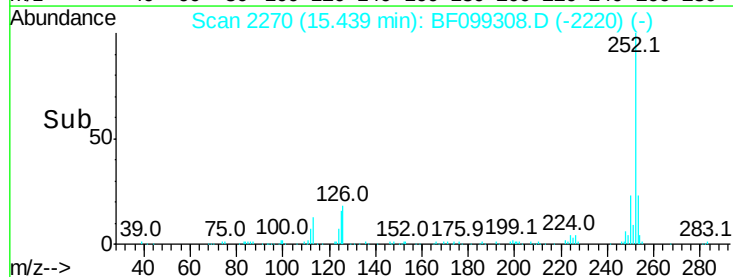
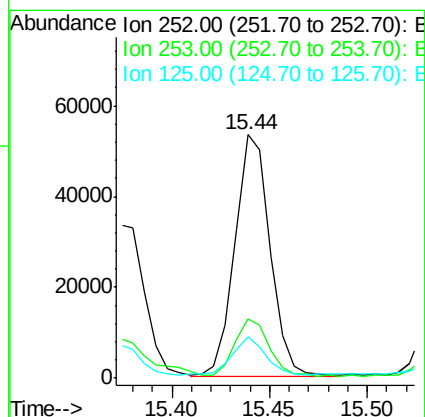
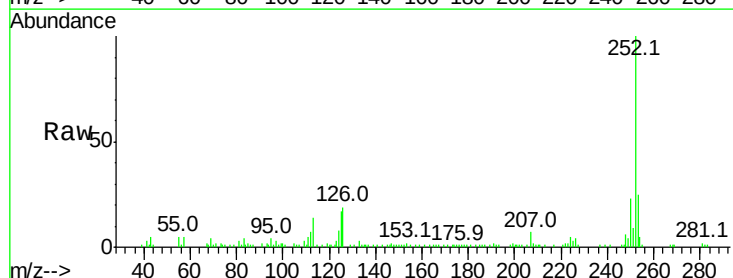
Instrument :
 BNA_F
 ClientSampleId :

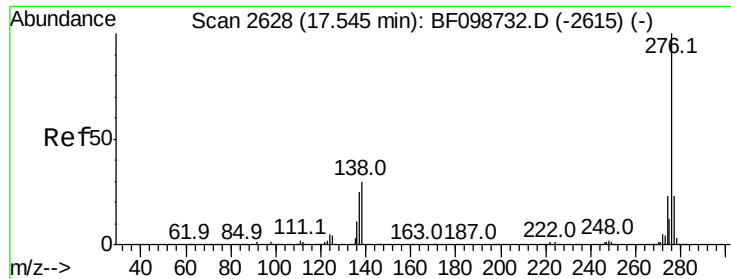
Tot Ion:252	Resp:	137827
Ion Ratio	Lower	Upper
252	100	
253	21.0	17.9 26.9
125	14.6	10.2 15.2



#89
 Benzo(a)pyrene
 Concen: 7.887 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Tgt Ion:252	Resp:	66645
Ion Ratio	Lower	Upper
252	100	
253	24.6	17.1 25.7
125	17.0	9.8 14.6#

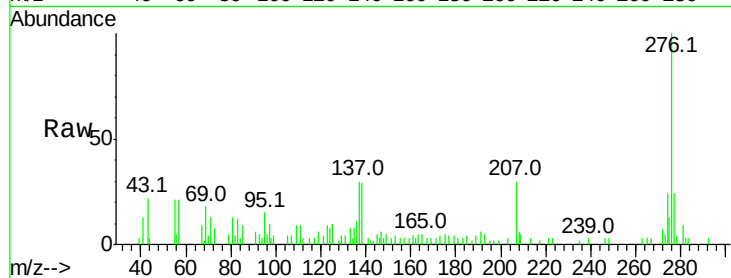




#91
 Benzo(a,h,i)perylene
 Concen: 4.374 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	28.6	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

