

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099309.D
 Acq On : 10 Oct 2017 19:28
 Operator : SJ/JU
 Sample : I5715-01 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 10 20:01:33 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	80988	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	310713	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	124550	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	187589	20.00	ng	0.00
75) Chrysene-d12	14.03	240	173028	20.00	ng	0.00
86) Perylene-d12	15.50	264	147563	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	9674	1.90	ng	0.00
7) Phenol-d6	6.49	99	11942	1.90	ng	0.00
23) Nitrobenzene-d5	7.43	82	5921	1.22	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	1474	1.45	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	14185	1.90	ng	-0.01
78) Terphenyl-d14	12.96	244	14493	1.90	ng	-0.01

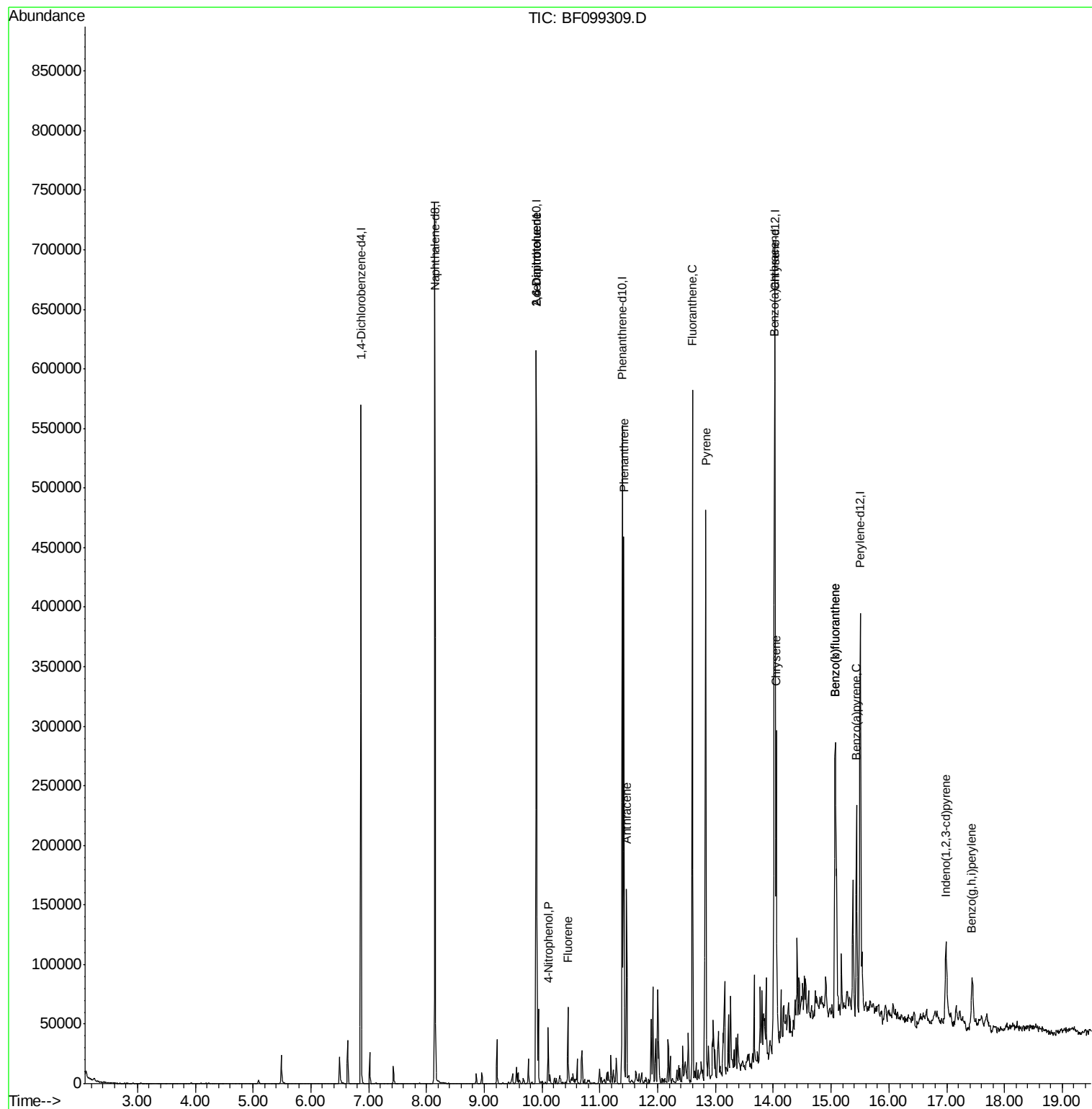
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	9.90	165	15466	7.557	ng	# 24
55) 4-Nitrophenol	10.10	139	6957	3.448	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	15466	5.823	ng	# 21
57) Fluorene	10.44	166	19765	2.370	ng	94
70) Phenanthrene	11.41	178	162490	16.182	ng	98
71) Anthracene	11.46	178	58508	5.695	ng	99
74) Fluoranthene	12.60	202	233854	23.000	ng	97
77) Pyrene	12.83	202	191306	14.499	ng	98
80) Benzo(a)anthracene	14.02	228	123277	11.766	ng	97
82) Chrysene	14.05	228	100270	10.052	ng	95
85) Indeno(1,2,3-cd)pyrene	16.99	276	39192	4.912	ng	97
87) Benzo(b)fluoranthene	15.07	252	164045	18.081	ng	# 97
88) Benzo(k)fluoranthene	15.07	252	164045	18.306	ng	98
89) Benzo(a)pyrene	15.44	252	77222	9.272	ng	# 97
91) Benzo(a,h,i)perylene	17.44	276	31510	4.783	ng	# 89

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

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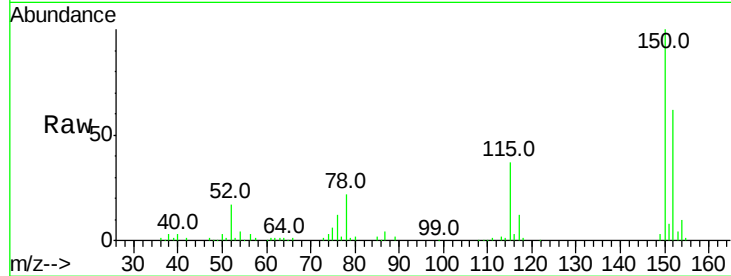


#1

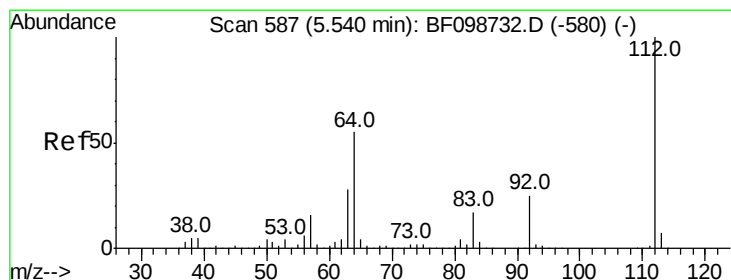
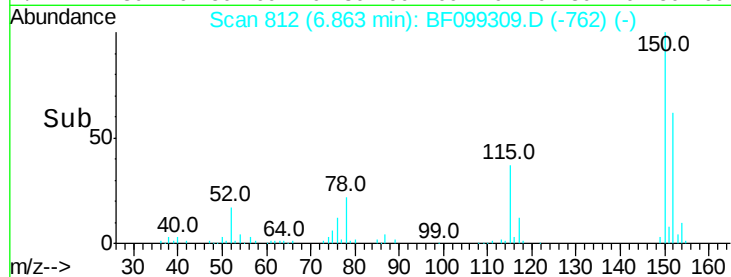
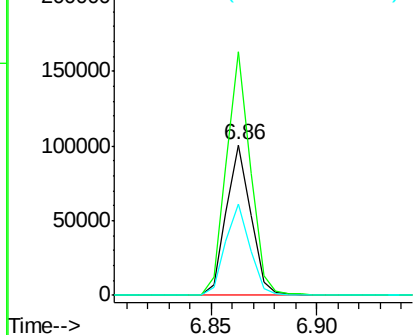
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099309.D
Acq: 10 Oct 2017 19:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80988
Ion Ratio Lower Upper
152 100
150 161.6 124.6 186.8
115 60.3 50.1 75.1



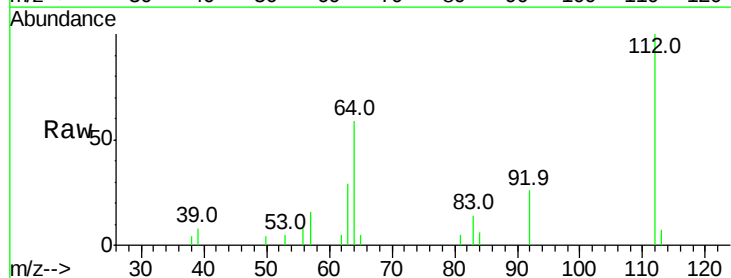
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



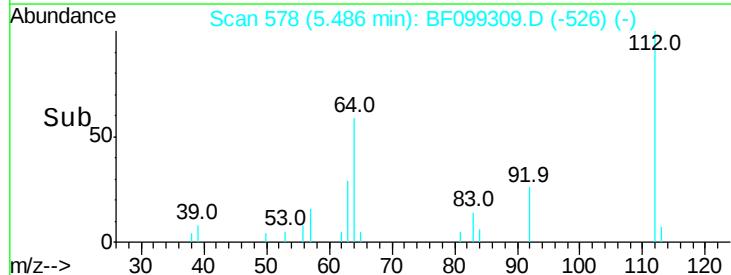
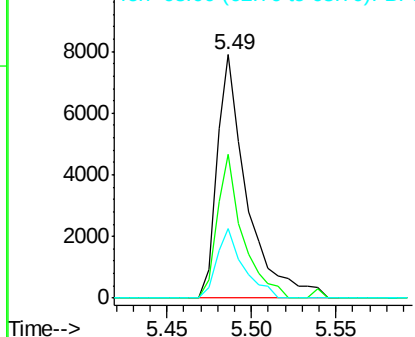
#5

2-Fluorophenol
Concen: 1.902 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF099309.D
Acq: 10 Oct 2017 19:28

Tgt Ion:112 Resp: 9674
Ion Ratio Lower Upper
112 100
64 58.9 47.9 71.9
63 28.7 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: 1.903 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099309.D

Acq: 10 Oct 2017 19:28

Instrument :

BNA_F

ClientSampleId :

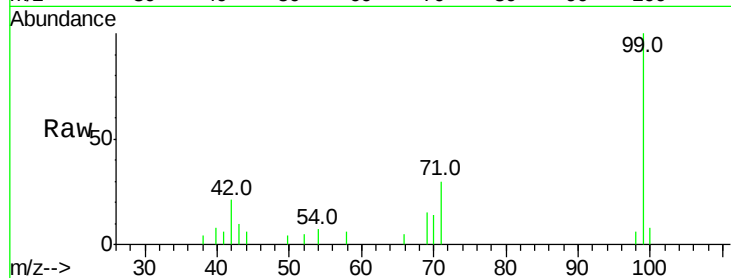
Tot Ion: 99 Resp: 11942

Ion Ratio Lower Upper

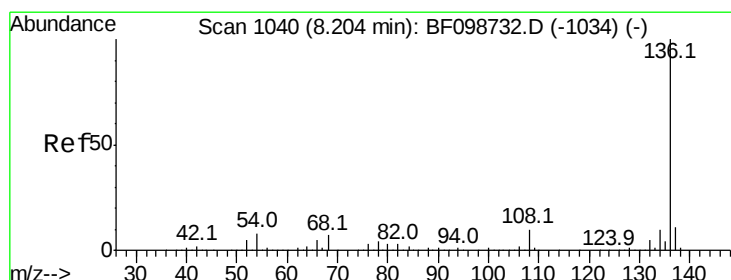
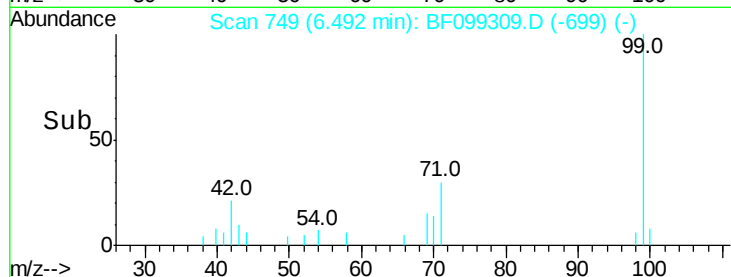
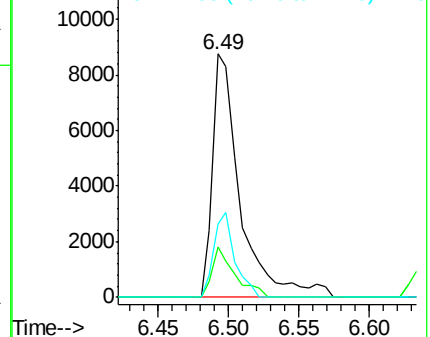
99 100

42 20.9 14.5 21.7

71 29.9 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: BF099309.D

Acq: 10 Oct 2017 19:28

Tgt Ion: 136 Resp: 310713

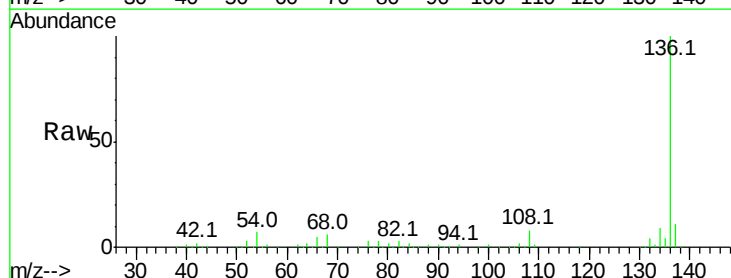
Ion Ratio Lower Upper

136 100

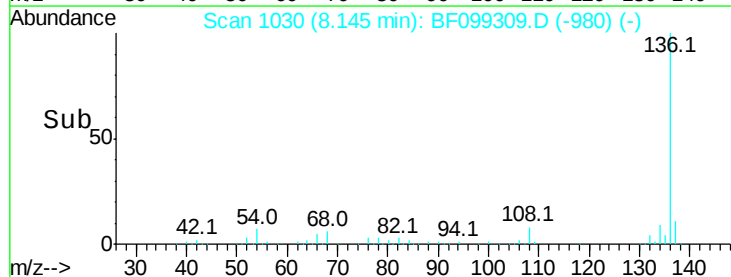
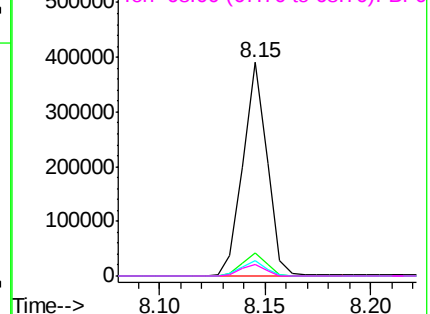
137 11.0 8.9 13.3

54 7.0 6.6 9.8

68 5.6 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

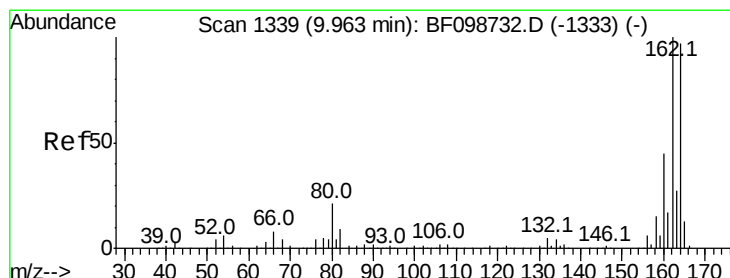
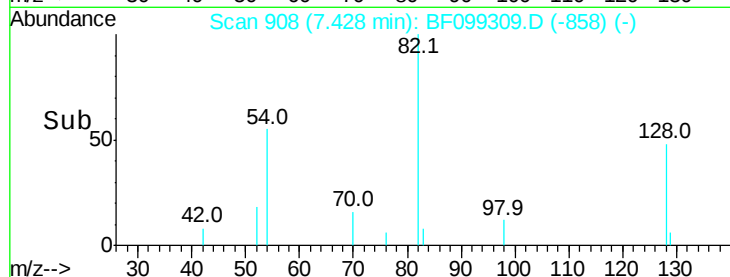
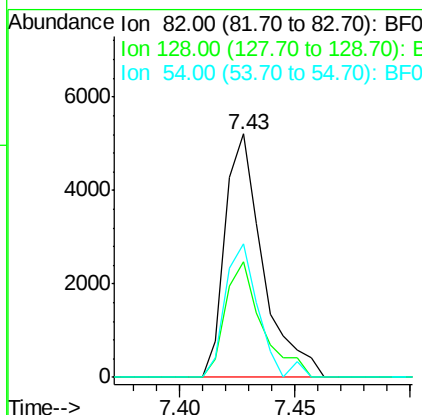
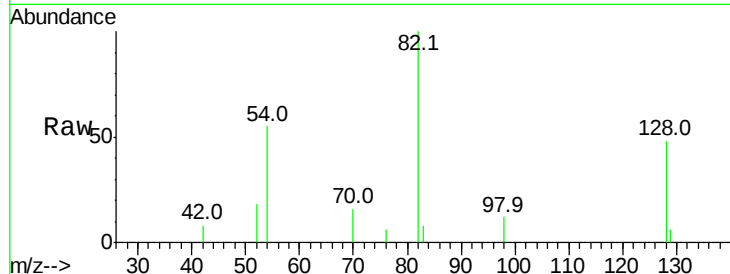




#23
 Nitrobenzene-d5
 Concen: 1.222 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099309.D
 Acq: 10 Oct 2017 19:28

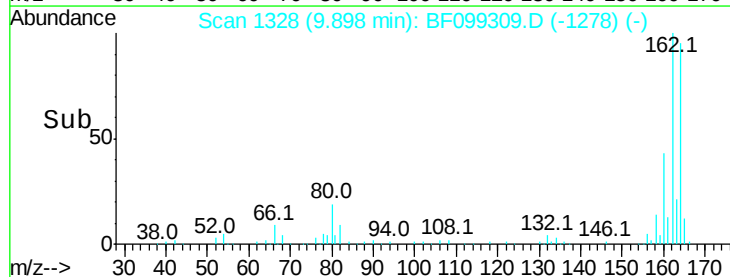
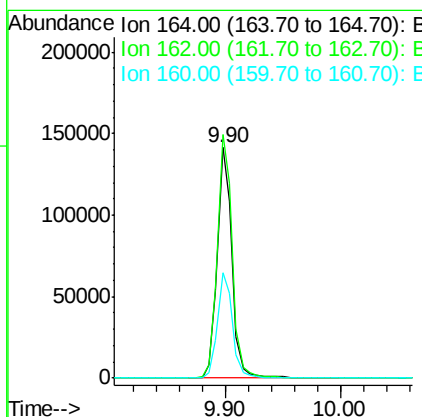
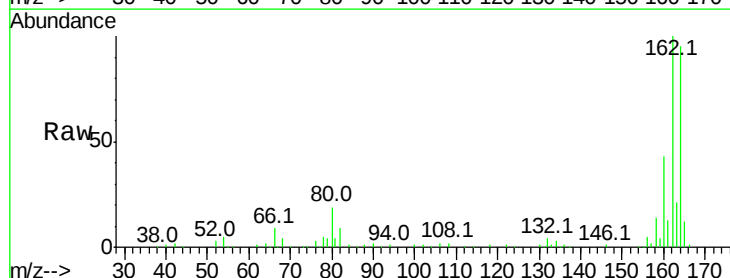
Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 5921
 Ion Ratio Lower Upper
 82 100
 128 47.5 36.1 54.1
 54 54.7 41.4 62.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099309.D
 Acq: 10 Oct 2017 19:28

Tgt Ion:164 Resp: 124550
 Ion Ratio Lower Upper
 164 100
 162 105.7 86.1 129.1
 160 45.8 38.3 57.5

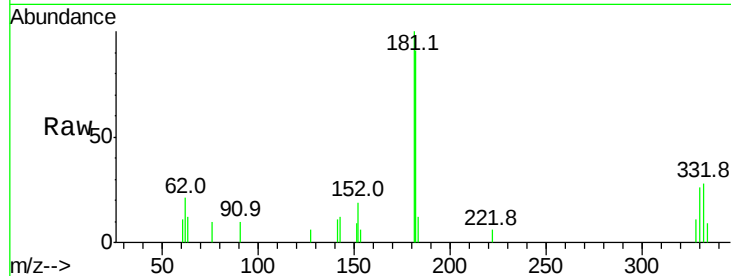




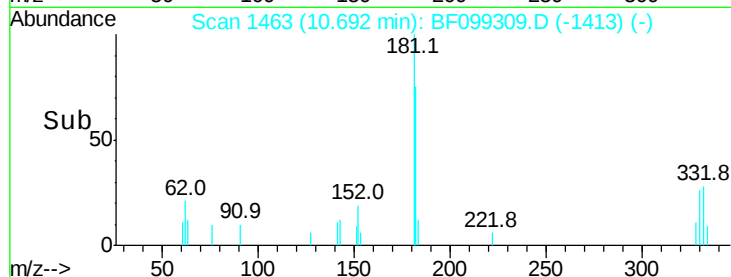
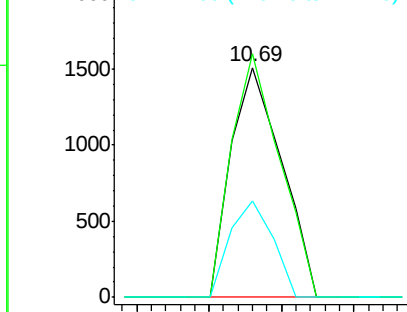
#41
 2,4,6-Tribromophenol
 Concen: 1.446 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099309.D
 Acq: 10 Oct 2017 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 1474
 Ion Ratio Lower Upper
 330 100
 332 101.1 77.0 115.6
 141 35.3 29.9 44.9

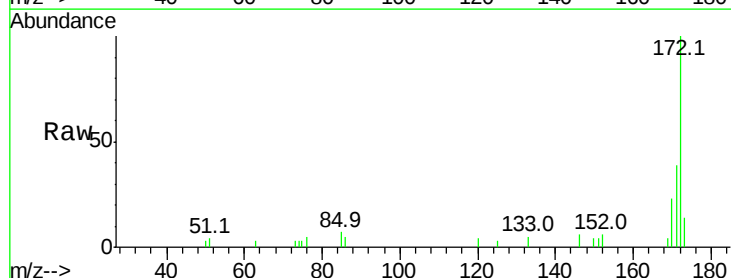


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

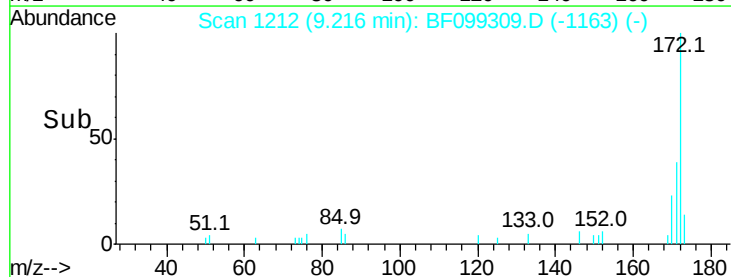
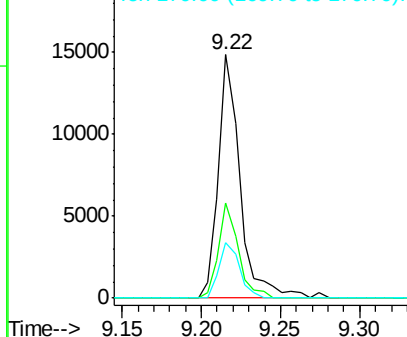


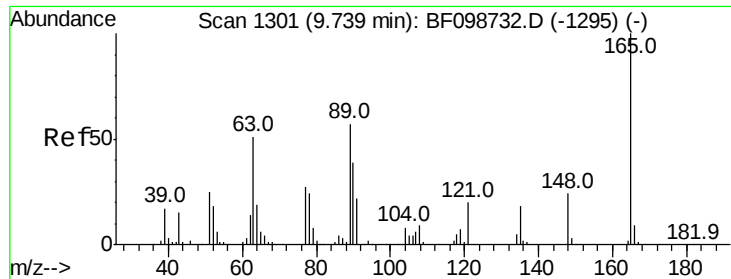
#44
 2-Fluorobiphenyl
 Concen: 1.901 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099309.D
 Acq: 10 Oct 2017 19:28

Tgt Ion:172 Resp: 14185
 Ion Ratio Lower Upper
 172 100
 171 39.2 29.7 44.5
 170 22.9 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

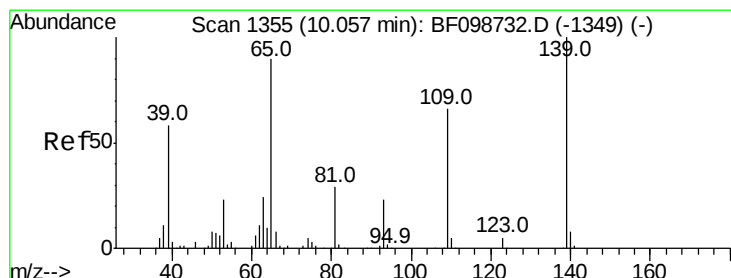
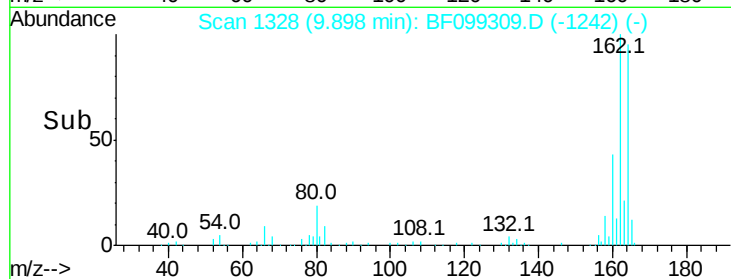
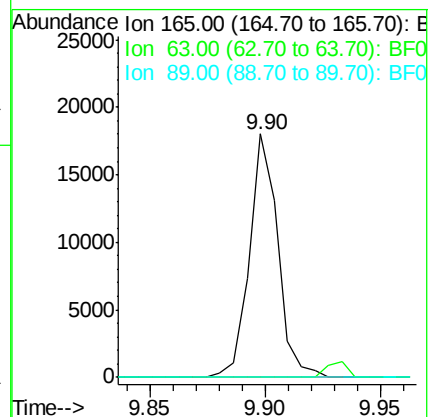
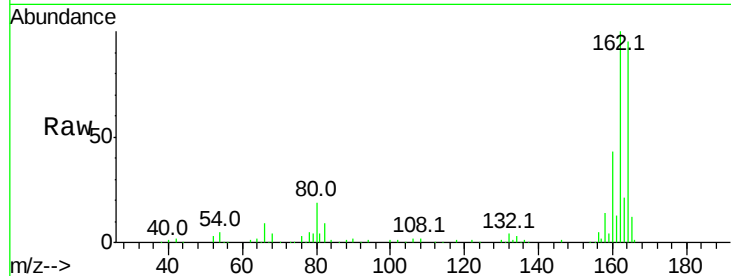




#50
 2,6-Dinitrotoluene
 Concen: 7.557 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099309.D
 Acq: 10 Oct 2017 19:28

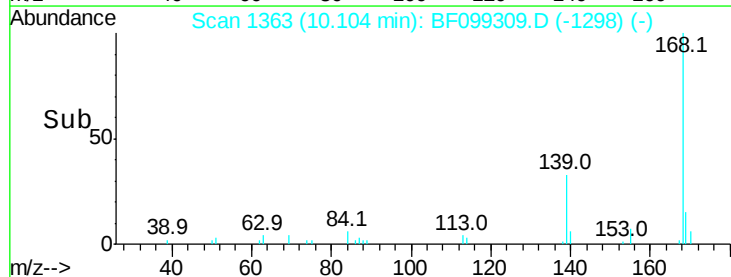
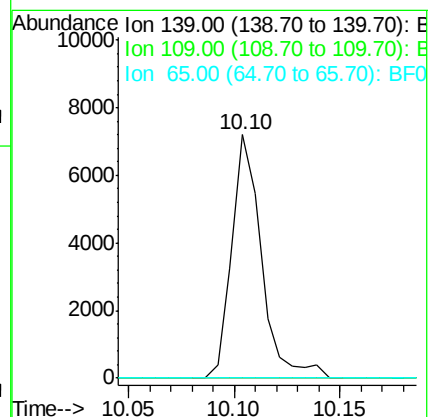
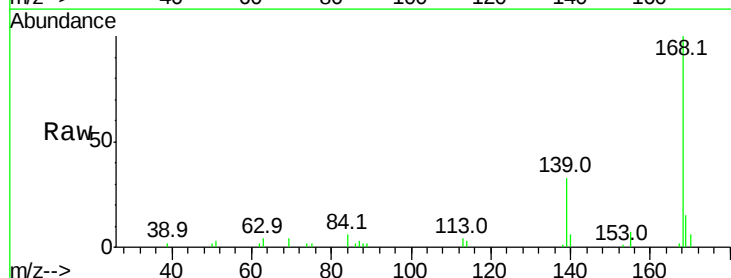
Instrument :
 BNA_F
 ClientSampleId :

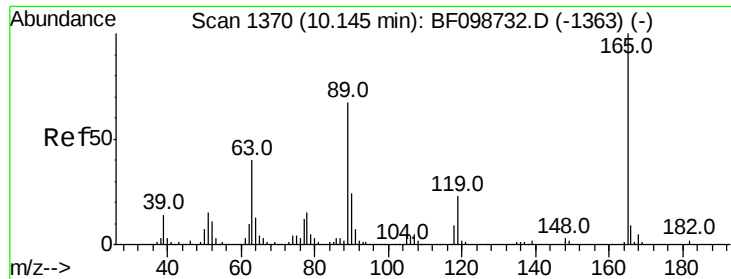
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 3.448 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. 0.08 min
 Lab File: BF099309.D
 Acq: 10 Oct 2017 19:28

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

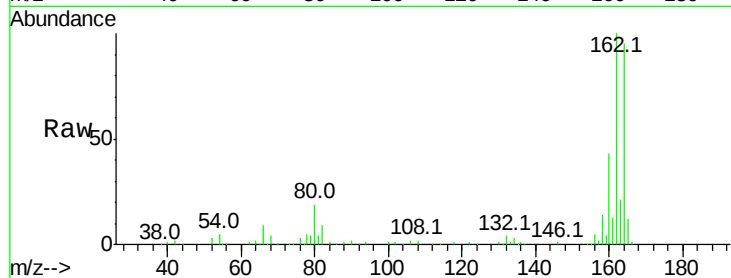




#56
 2,4-Dinitrotoluene
 Concen: 5.823 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099309.D
 Acq: 10 Oct 2017 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	15466
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#

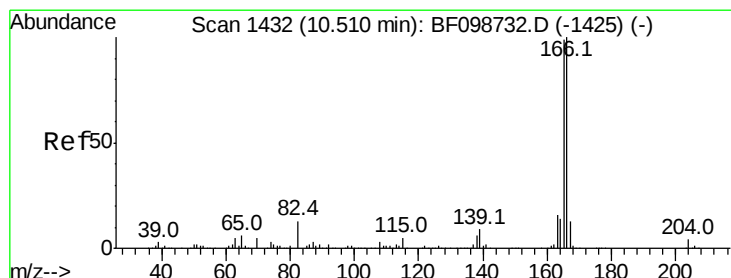
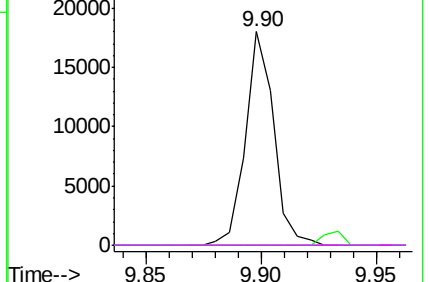
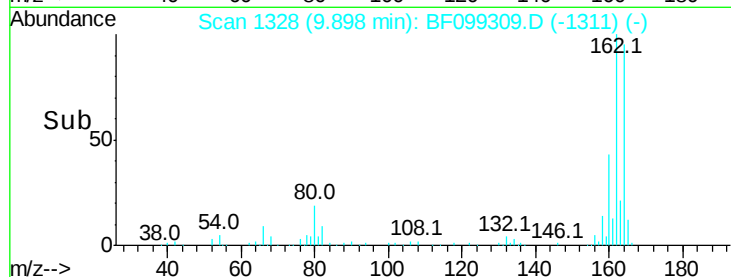


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

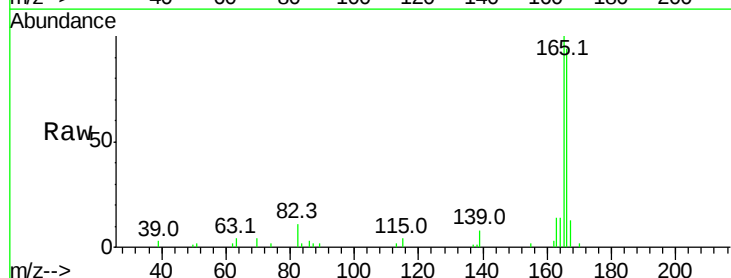
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
 Fluorene
 Concen: 2.370 ng
 RT: 10.44 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF099309.D
 Acq: 10 Oct 2017 19:28

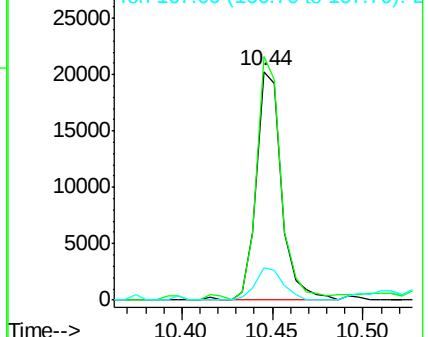
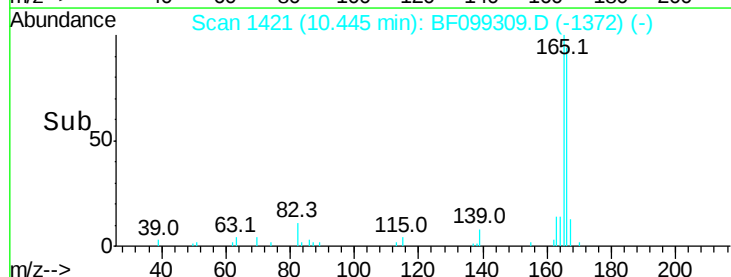
Tgt Ion:	166	Resp:	19765
Ion	Ratio	Lower	Upper
166	100		
165	106.5	79.8	119.8
167	14.1	10.6	16.0

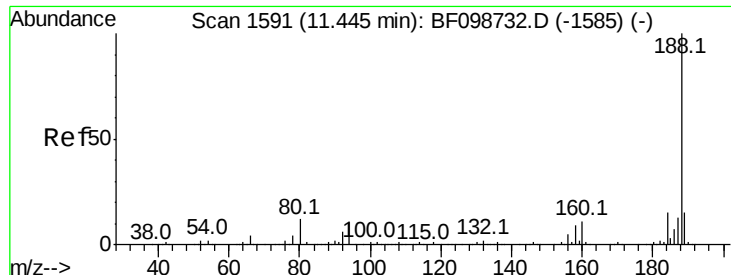


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

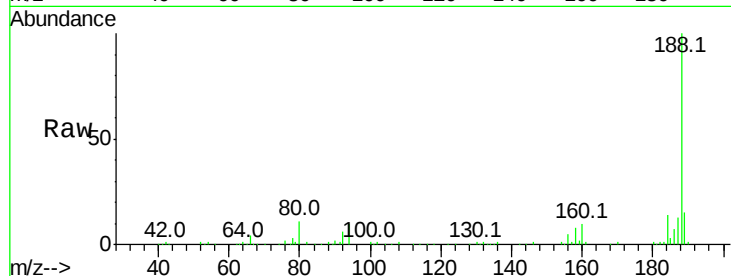




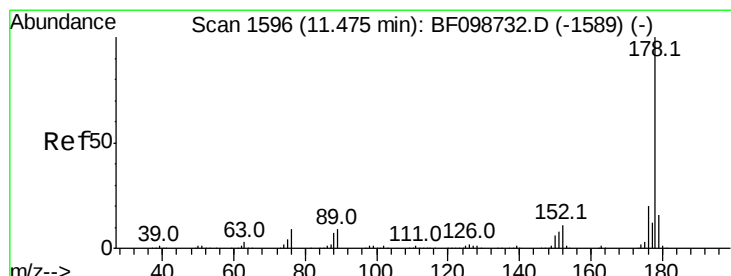
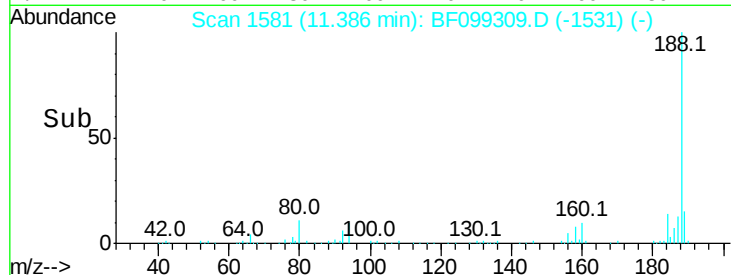
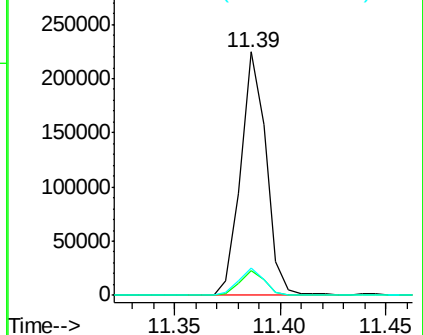
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099309.D
Acq: 10 Oct 2017 19:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 187589
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.3 9.2 13.8

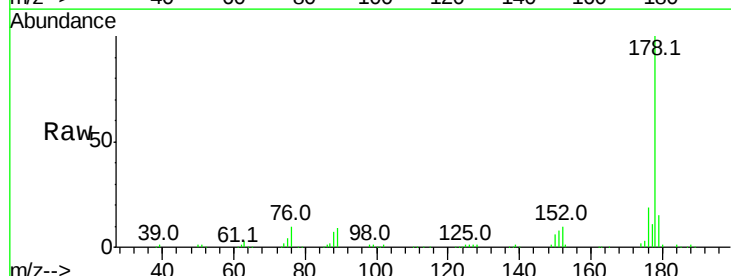


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

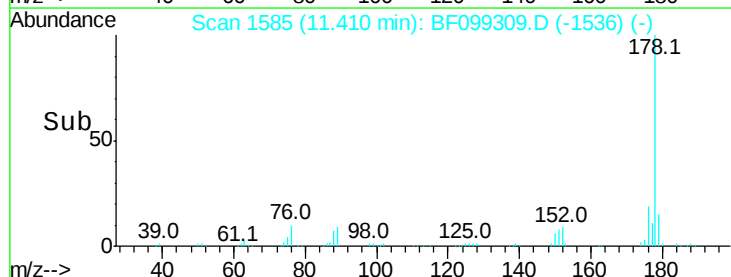
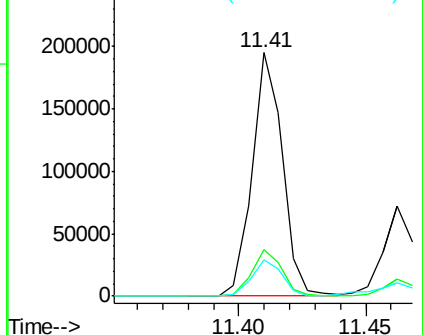


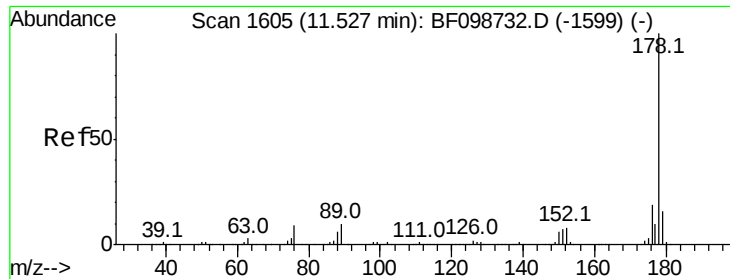
#70
Phenanthrene
Concen: 16.182 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099309.D
Acq: 10 Oct 2017 19:28

Tgt Ion:178 Resp: 162490
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.9 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

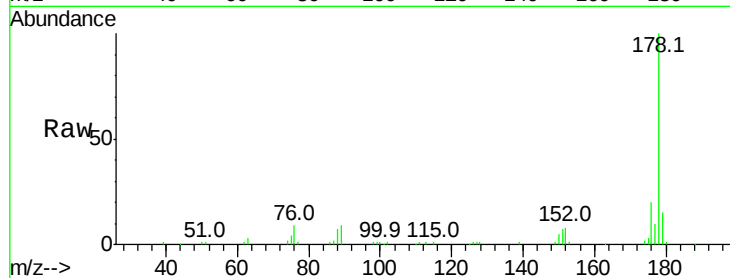




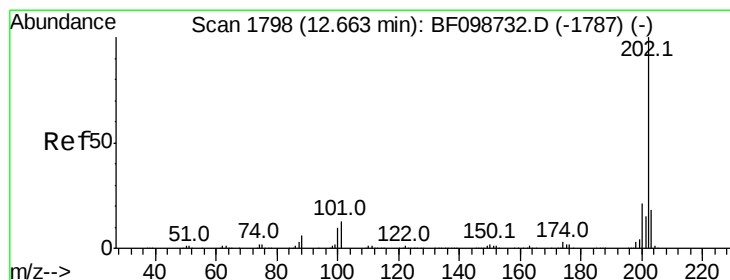
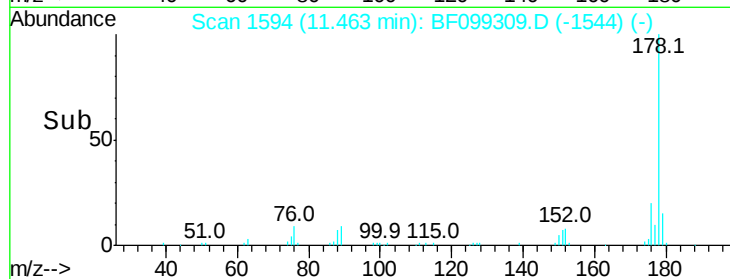
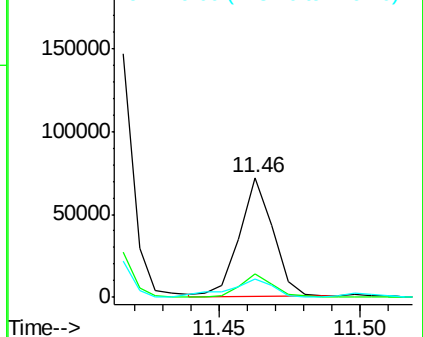
#71
 Anthracene
 Concen: 5.695 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099309.D
 Acq: 10 Oct 2017 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 58508
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.3 12.6 19.0

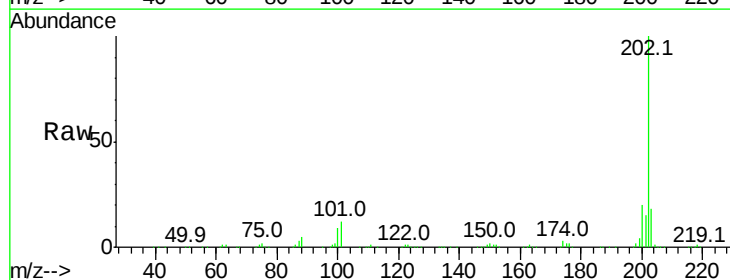


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

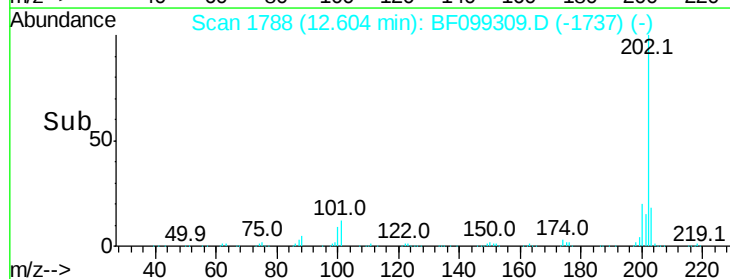
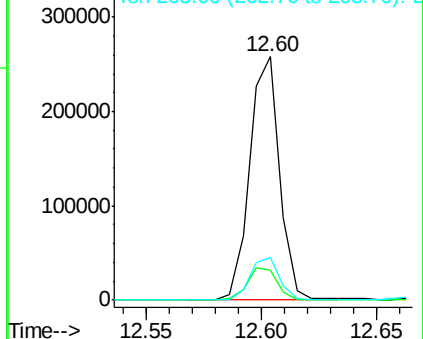


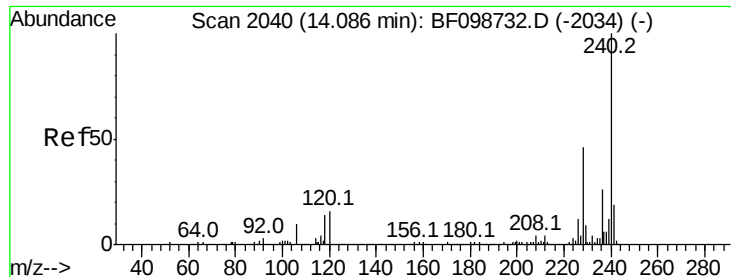
#74
 Fluoranthene
 Concen: 23.000 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BF099309.D
 Acq: 10 Oct 2017 19:28

Tgt Ion:202 Resp: 233854
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 34.1
 203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099309.D

Acq: 10 Oct 2017 19:28

Instrument :

BNA_F

ClientSampled :

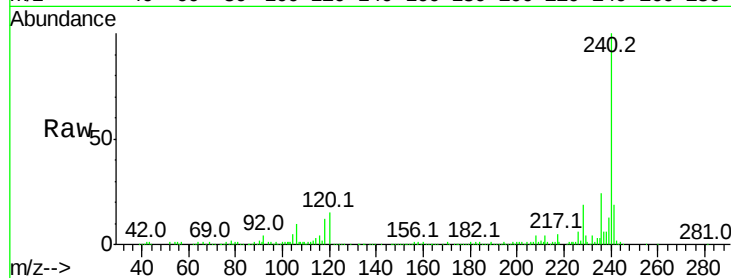
Tot Ion:240 Resp: 173028

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

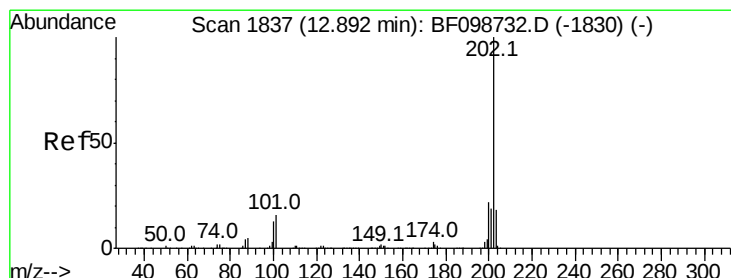
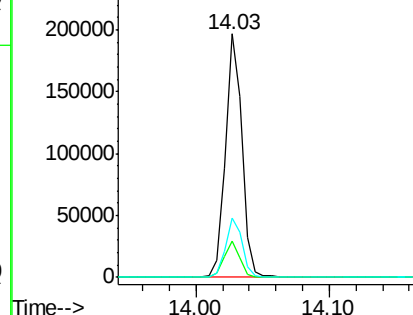
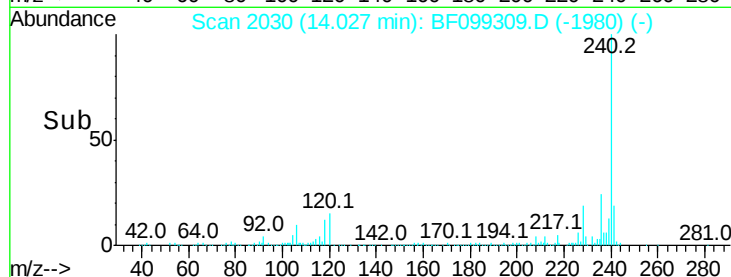
236 24.4 20.7 31.1



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: 14.499 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF099309.D

Acq: 10 Oct 2017 19:28

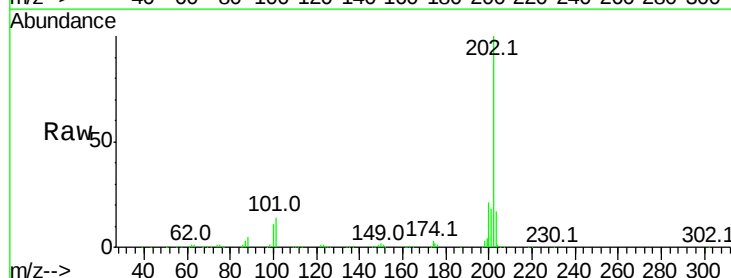
Tgt Ion:202 Resp: 191306

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

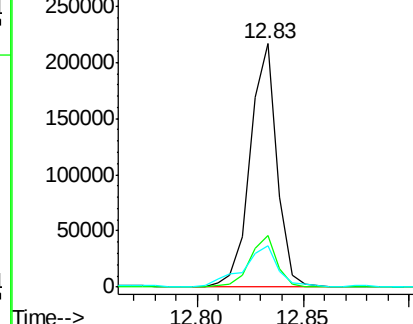
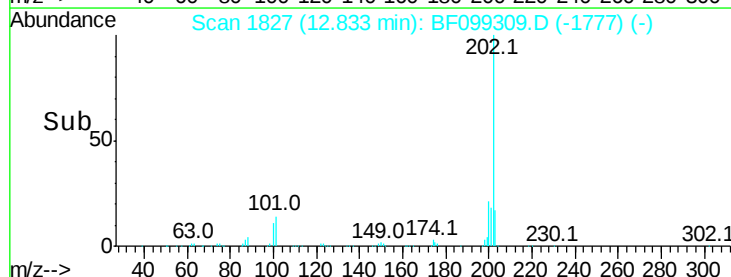
203 17.2 14.3 21.5

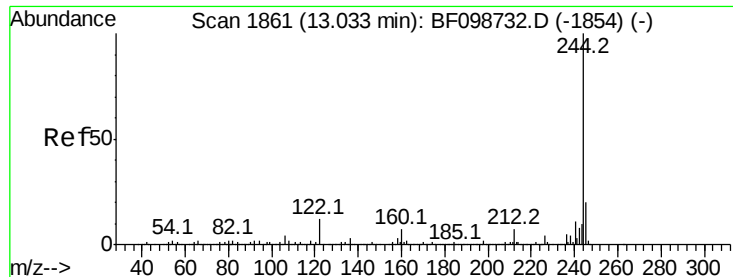


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 1.905 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099309.D

Acq: 10 Oct 2017 19:28

Instrument :

BNA_F

ClientSampleId :

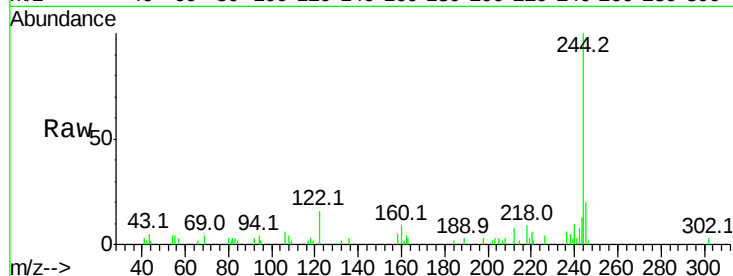
Tot Ion:244 Resp: 14493

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.0

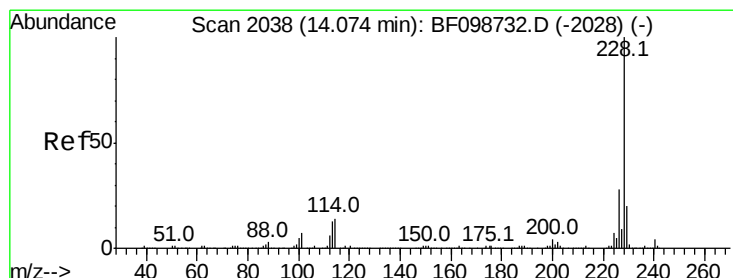
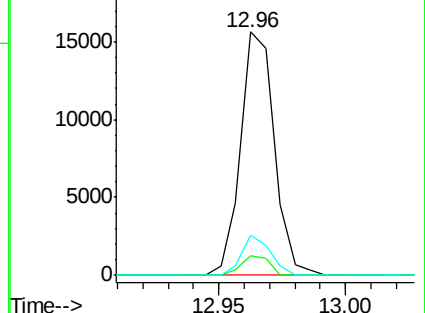
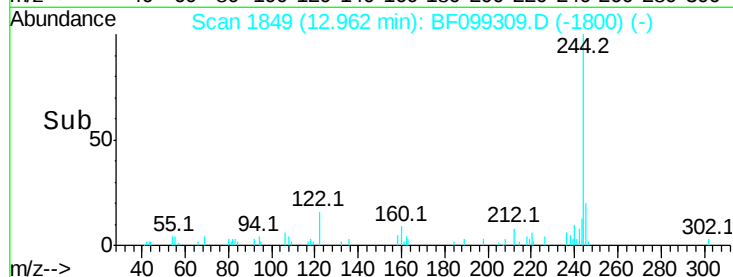
122 16.3 11.0 16.4



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: 11.766 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099309.D

Acq: 10 Oct 2017 19:28

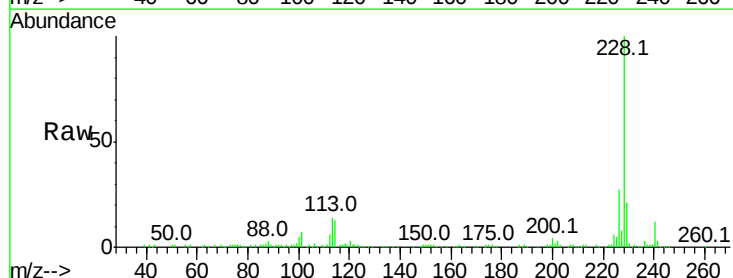
Tgt Ion:228 Resp: 123277

Ion Ratio Lower Upper

228 100

226 26.7 22.6 33.8

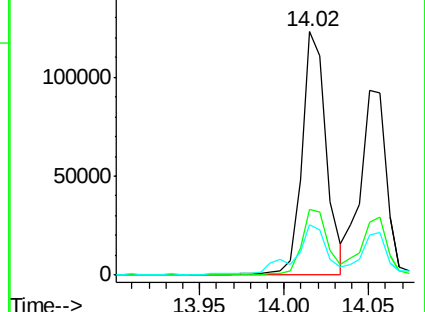
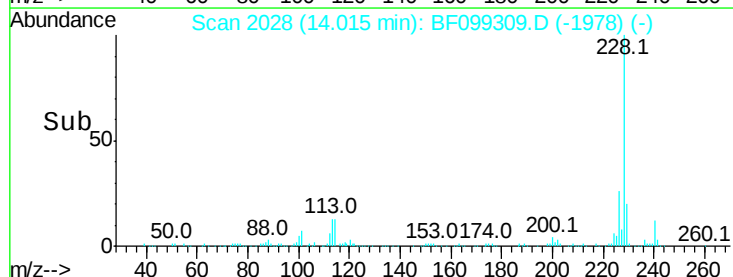
229 20.7 15.8 23.6

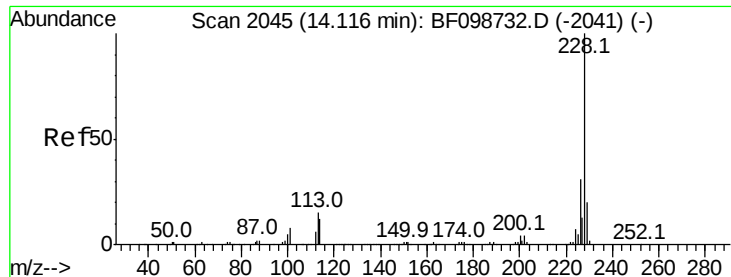


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.052 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF099309.D

Acq: 10 Oct 2017 19:28

Instrument :

BNA_F

ClientSampleId :

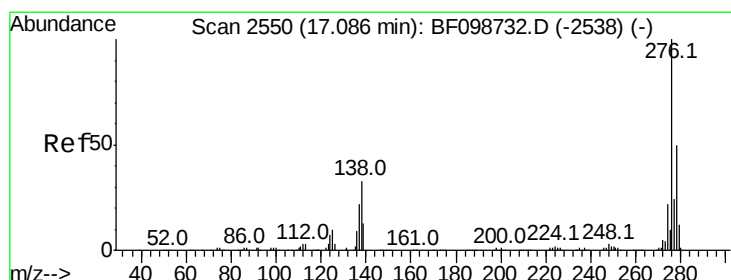
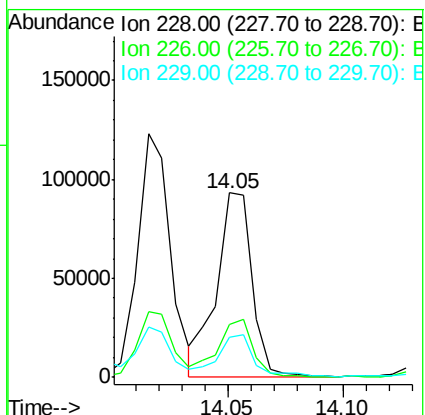
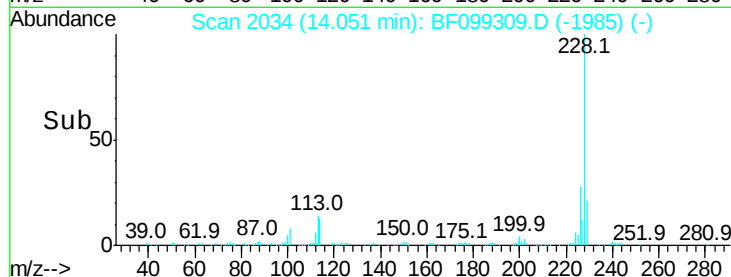
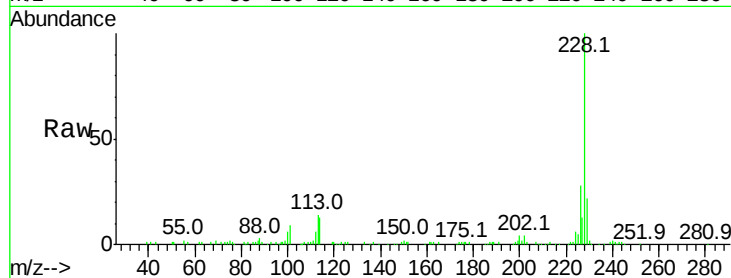
Tot Ion:228 Resp: 100270

Ion Ratio Lower Upper

228 100

226 28.4 25.0 37.6

229 21.9 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.912 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF099309.D

Acq: 10 Oct 2017 19:28

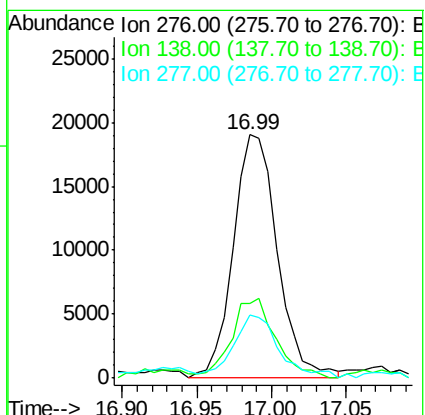
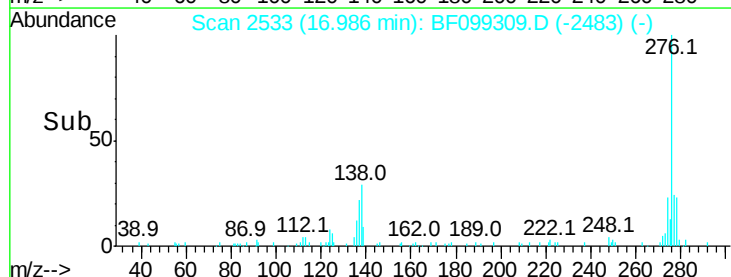
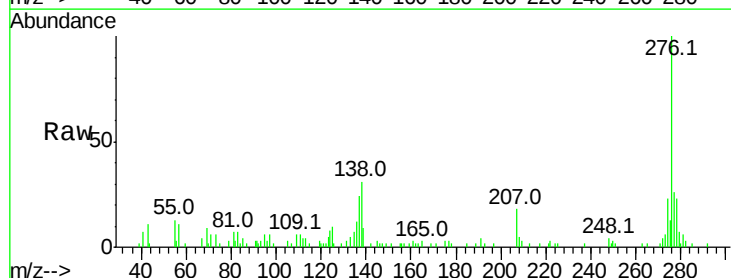
Tgt Ion:276 Resp: 39192

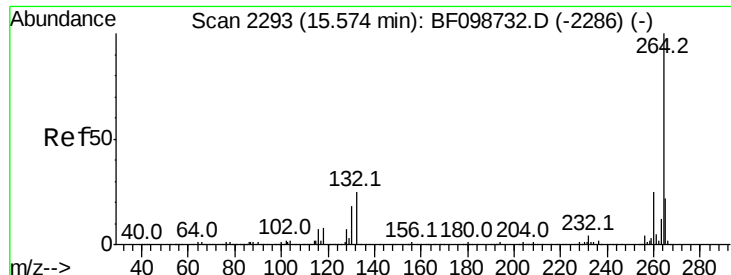
Ion Ratio Lower Upper

276 100

138 32.6 25.0 37.6

277 26.7 20.1 30.1

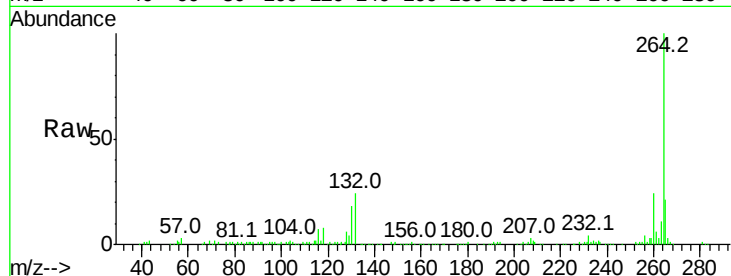




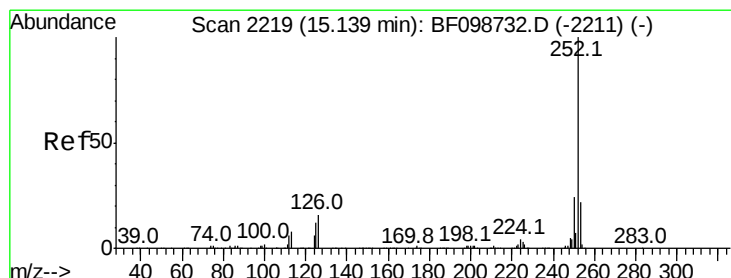
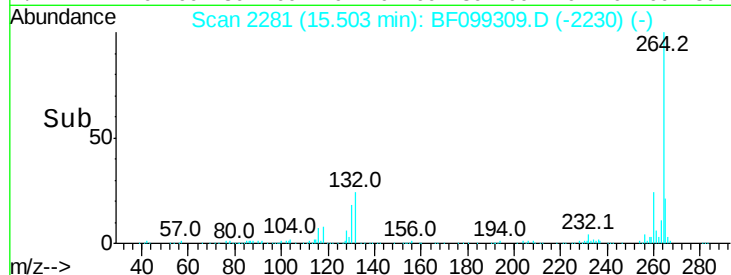
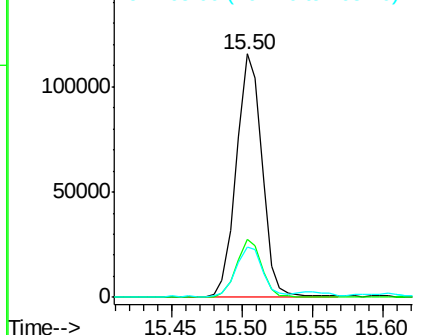
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099309.D
Acq: 10 Oct 2017 19:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 147563
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 20.6 17.5 26.3

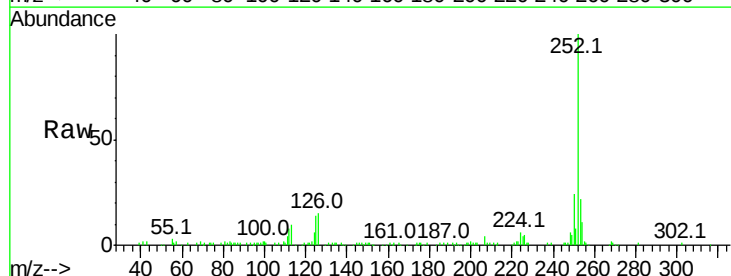


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

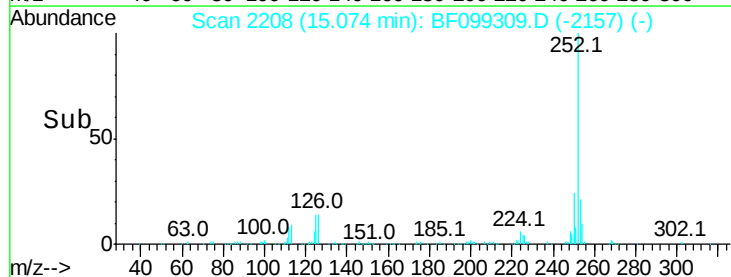
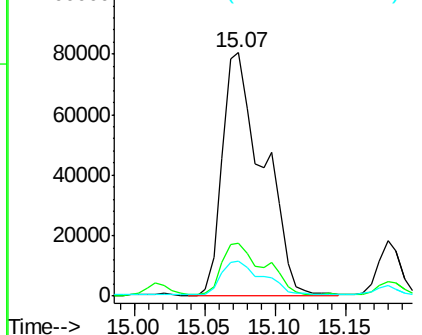


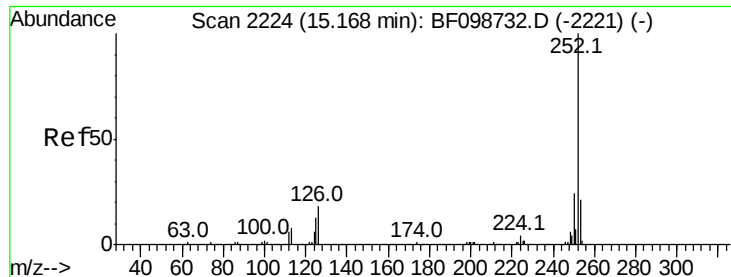
#87
Benzo(b)fluoranthene
Concen: 18.081 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF099309.D
Acq: 10 Oct 2017 19:28

Tgt Ion:252 Resp: 164045
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 14.2 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

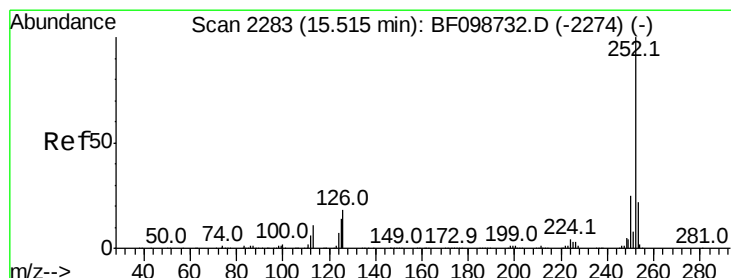
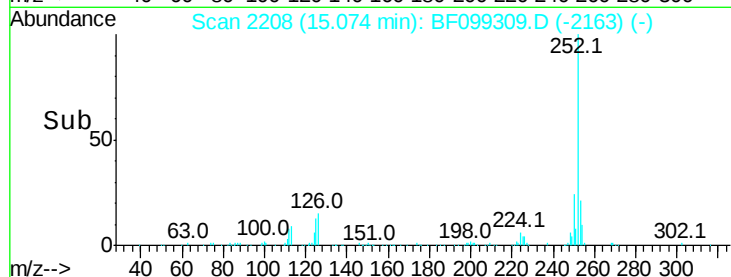
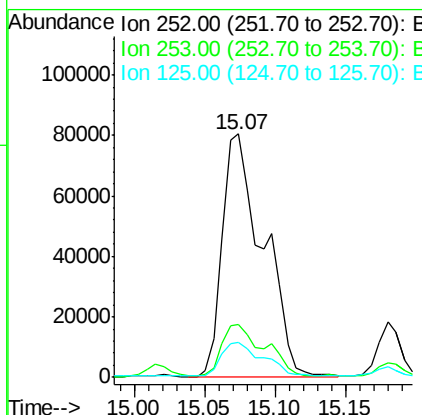
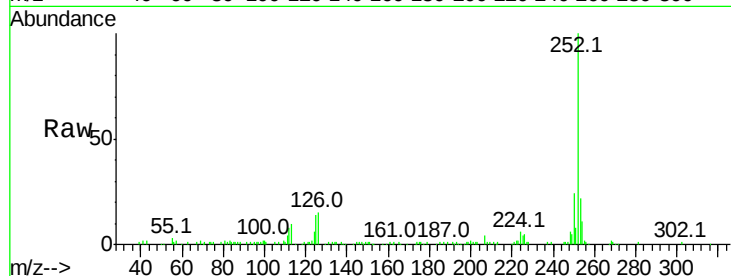




#88
Benzo(k)fluoranthene
Concen: 18.306 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF099309.D
Acq: 10 Oct 2017 19:28

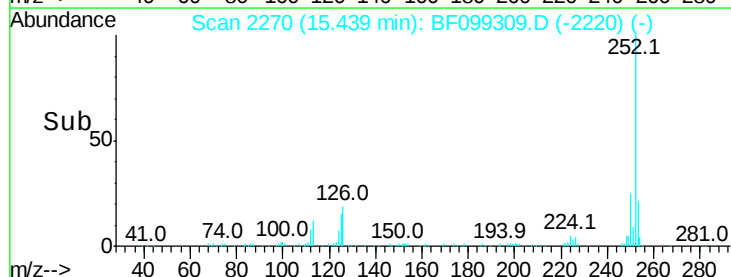
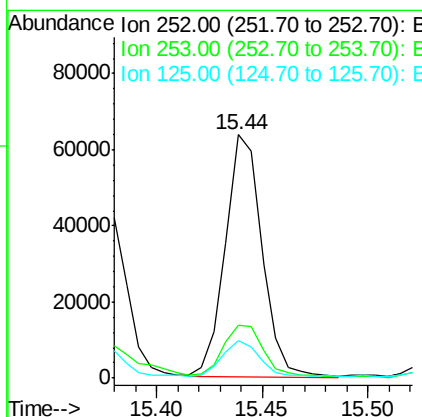
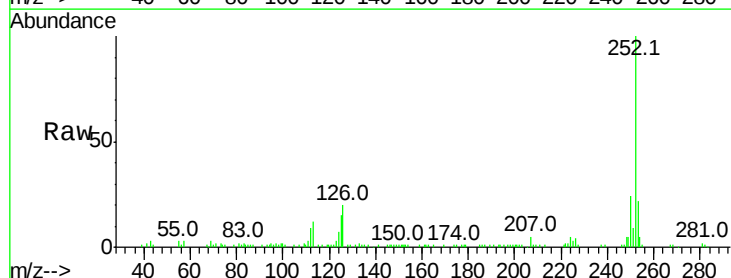
Instrument :
BNA_F
ClientSampleId :

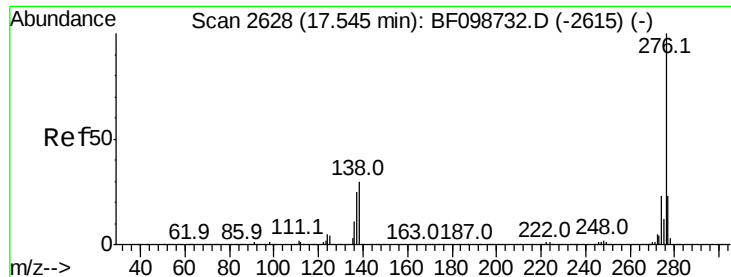
Tot Ion:252 Resp: 164045
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 14.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 9.272 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099309.D
Acq: 10 Oct 2017 19:28

Tgt Ion:252 Resp: 77222
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 15.3 9.8 14.6#

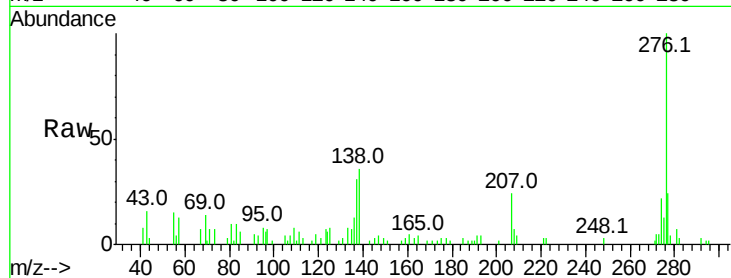




#91
 Benzo(a,h,i)perylene
 Concen: 4.783 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF099309.D
 Acq: 10 Oct 2017 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 31510
 Ion Ratio Lower Upper
 276 100
 277 24.3 17.9 26.9
 138 36.0 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

