

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
 Data File : BF099277.D
 Acq On : 9 Oct 2017 22:10
 Operator : SJ/JU
 Sample : I5715-01 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 10 01:14:16 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	89928	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	351746	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	150771	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	230878	20.00	ng	0.00
75) Chrysene-d12	14.03	240	154824	20.00	ng	0.00
86) Perylene-d12	15.50	264	161256	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	9814	1.74	ng	0.00
7) Phenol-d6	6.49	99	12390	1.78	ng	0.00
23) Nitrobenzene-d5	7.43	82	6741	1.23	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	1431	1.16	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	16588	1.84	ng	-0.01
78) Terphenyl-d14	12.96	244	11011	1.62	ng	-0.01

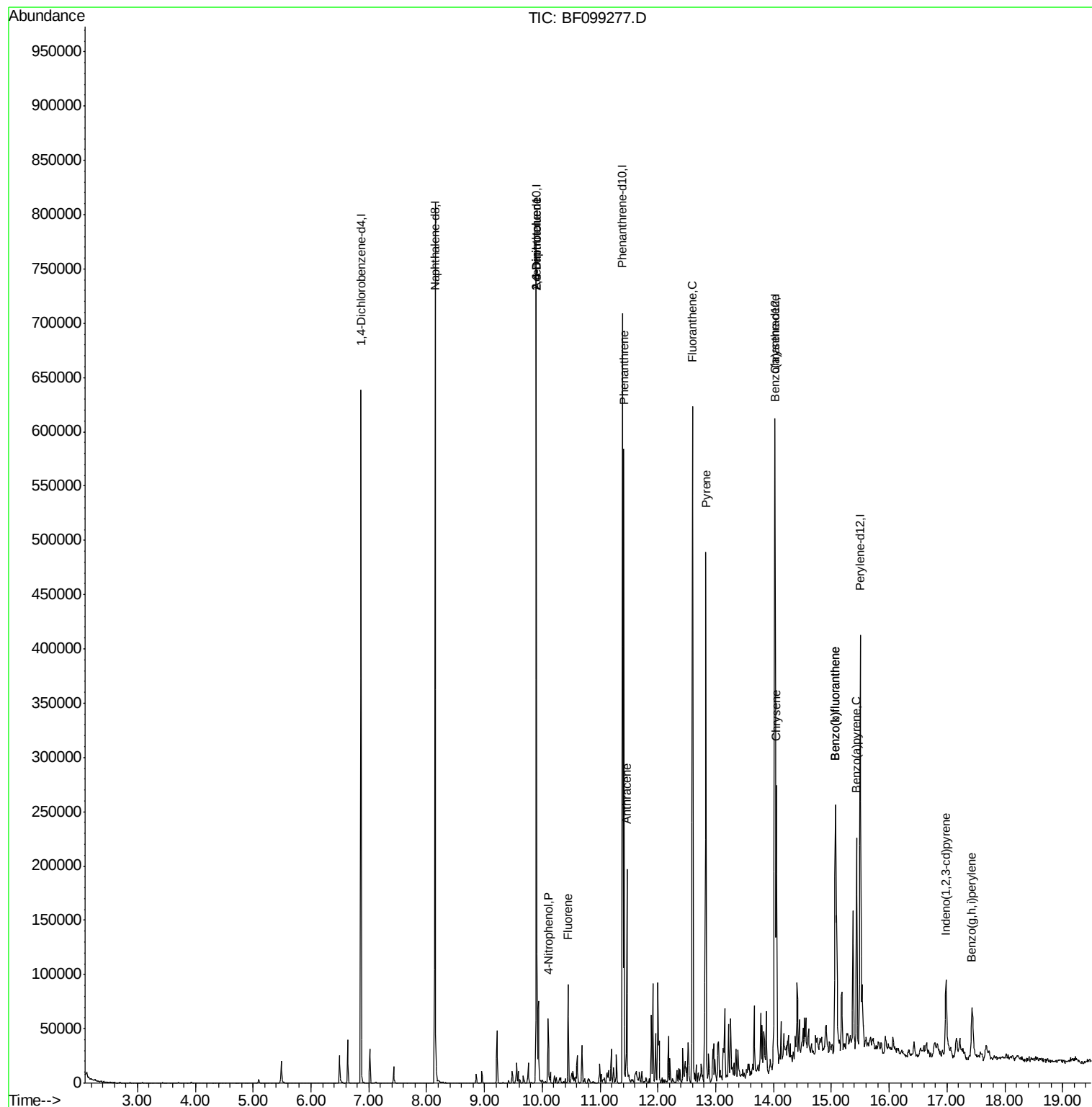
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	9.90	165	18793	7.59	ng	# 25
55) 4-Nitrophenol	10.10	139	8932	3.66	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	18793	5.85	ng	# 23
57) Fluorene	10.45	166	25234	2.50	ng	96
70) Phenanthrene	11.41	178	201158	16.28	ng	98
71) Anthracene	11.46	178	74660	5.90	ng	97
74) Fluoranthene	12.60	202	245210	19.59	ng	99
77) Pyrene	12.83	202	189767	16.07	ng	98
80) Benzo(a)anthracene	14.02	228	114465	12.21	ng	99
82) Chrysene	14.05	228	89121	9.99	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	42106	5.90	ng	95
87) Benzo(b)fluoranthene	15.07	252	170183	17.16	ng	98
88) Benzo(k)fluoranthene	15.07	252	170183	17.38	ng	98
89) Benzo(a)pyrene	15.44	252	85008	9.34	ng	97
91) Benzo(a,h,i)perylene	17.43	276	36637	5.09	ng	96

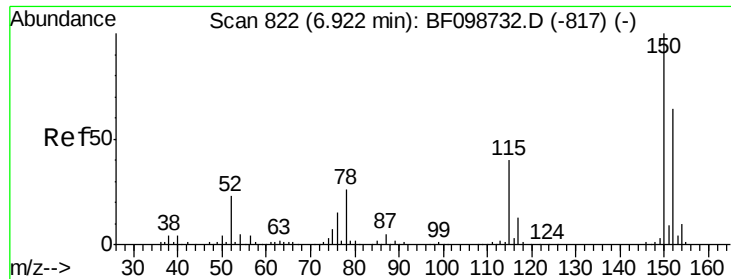
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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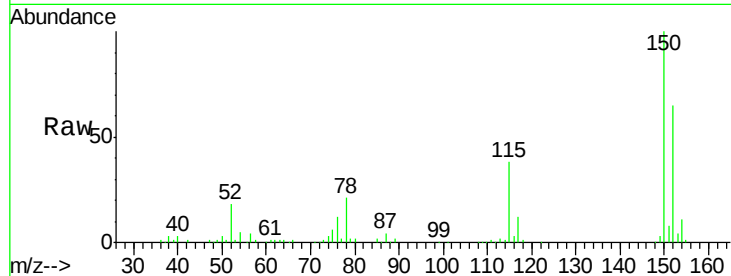


#1

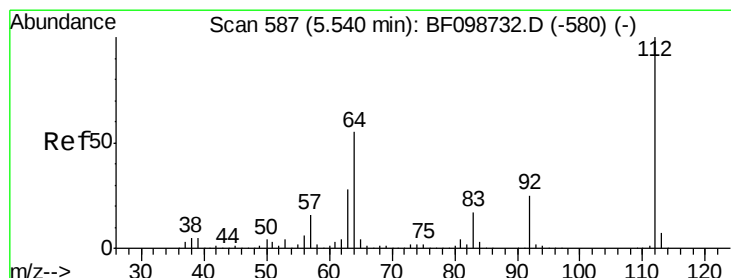
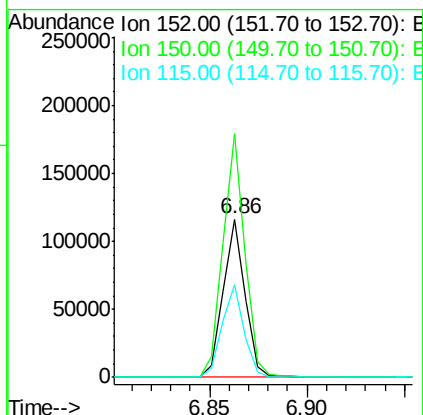
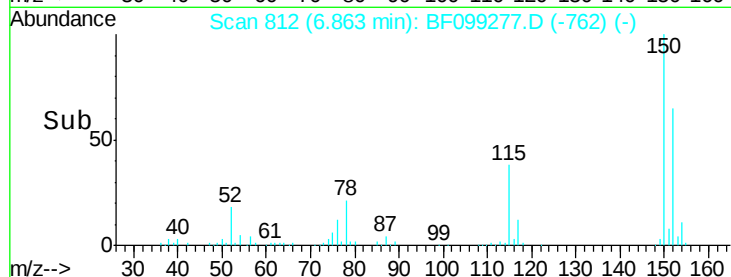
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 89928
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 58.7 50.1 75.1



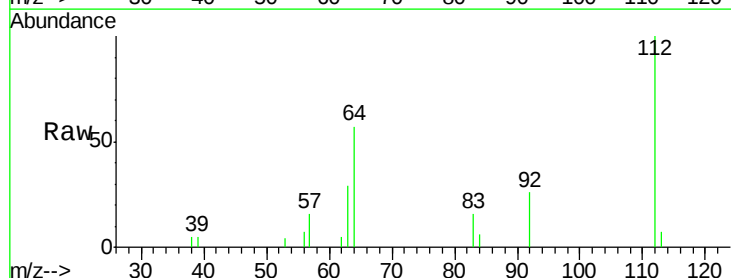
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



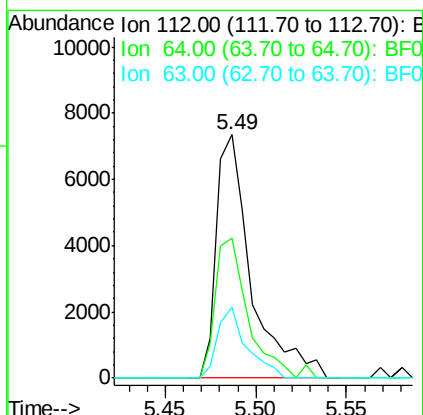
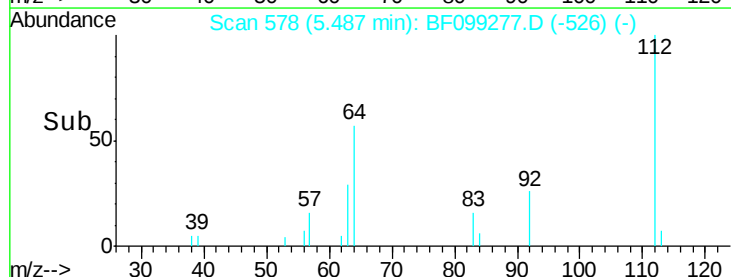
#5

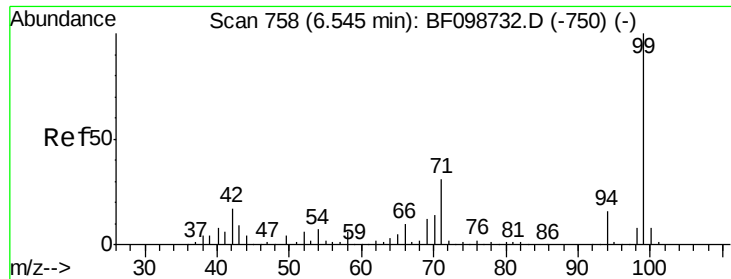
2-Fluorophenol
Concen: 1.74 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:112 Resp: 9814
Ion Ratio Lower Upper
112 100
64 57.5 47.9 71.9
63 29.1 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: 1.78 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099277.D

Acq: 9 Oct 2017 22:10

Instrument :

BNA_F

ClientSampled :

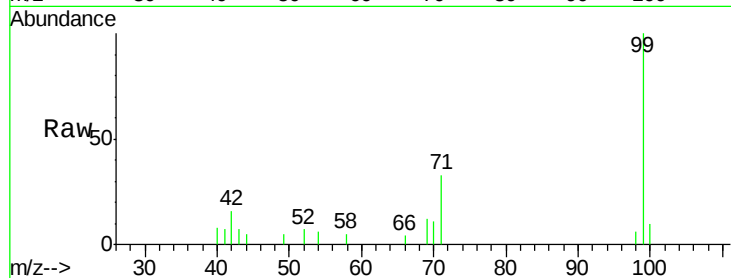
Tot Ion: 99 Resp: 12390

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

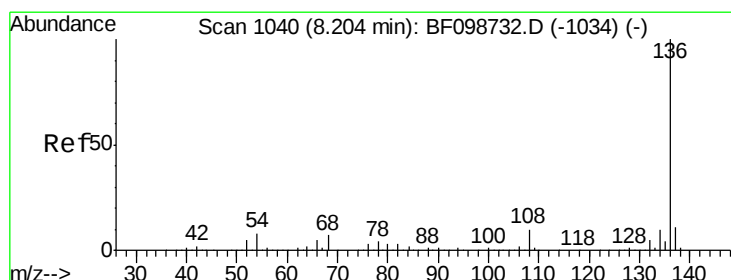
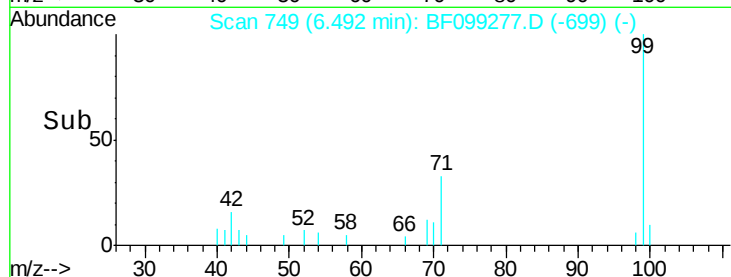
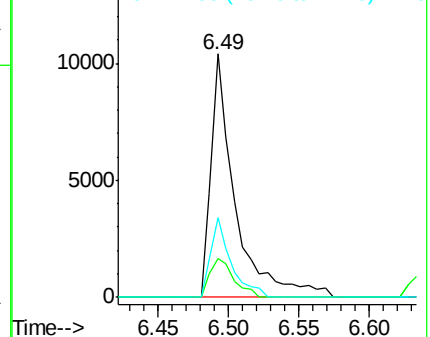
71 32.8 25.4 38.0



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: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099277.D

Acq: 9 Oct 2017 22:10

Tgt Ion: 136 Resp: 351746

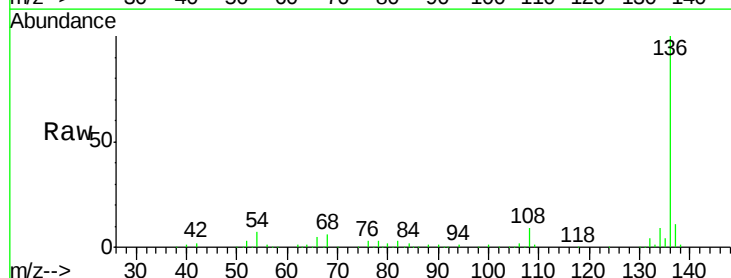
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.2 6.6 9.8

68 5.6 5.0 7.4

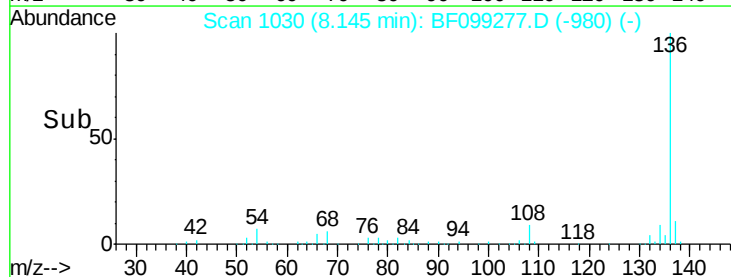
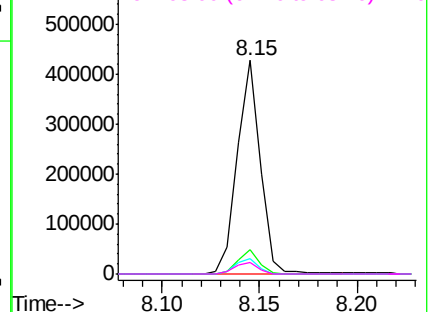


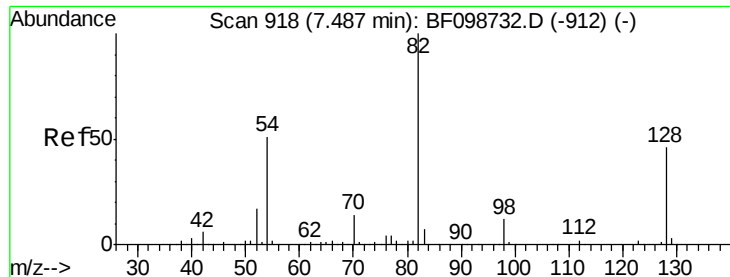
Abundance Ion 136.00 (135.70 to 136.70): E

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

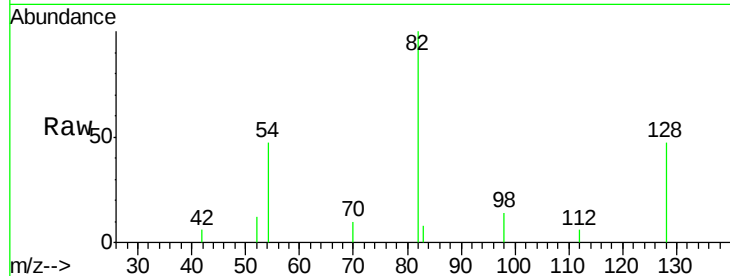




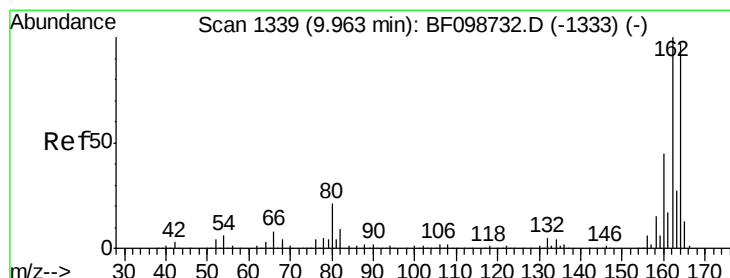
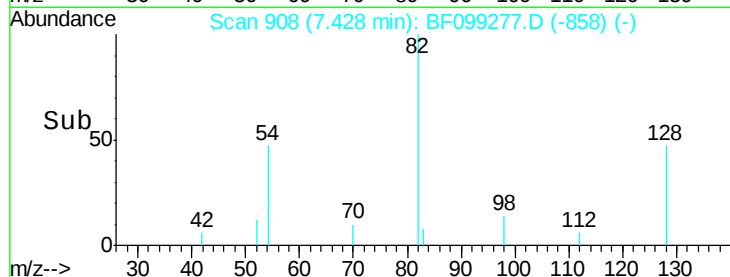
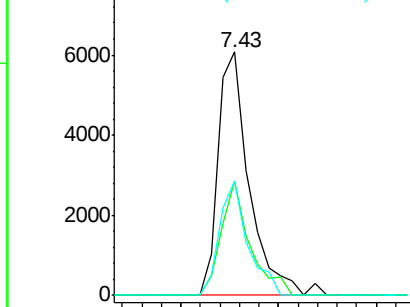
#23
 Nitrobenzene-d5
 Concen: 1.23 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 6741
 Ion Ratio Lower Upper
 82 100
 128 47.0 36.1 54.1
 54 47.0 41.4 62.2

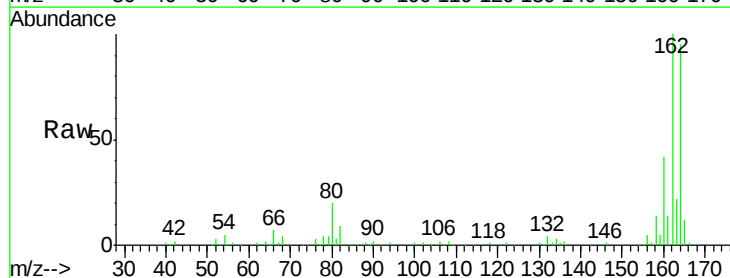


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

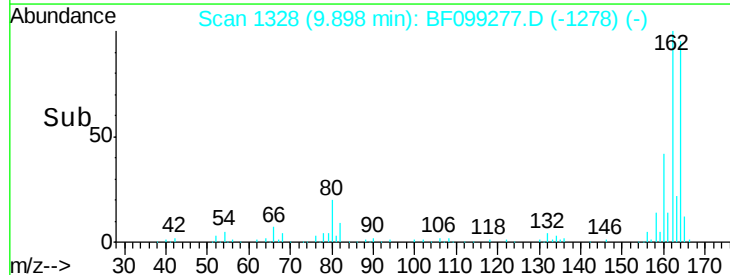
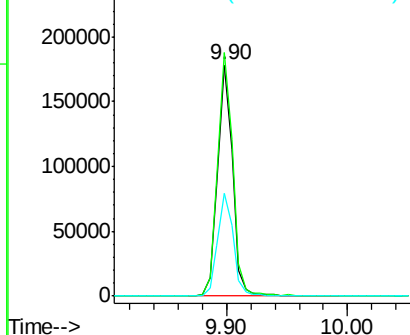


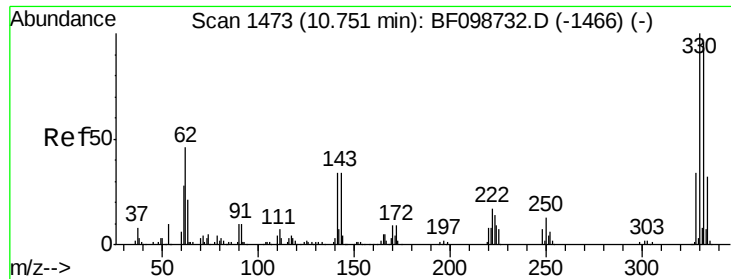
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

Tgt Ion:164 Resp: 150771
 Ion Ratio Lower Upper
 164 100
 162 105.3 86.1 129.1
 160 44.6 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

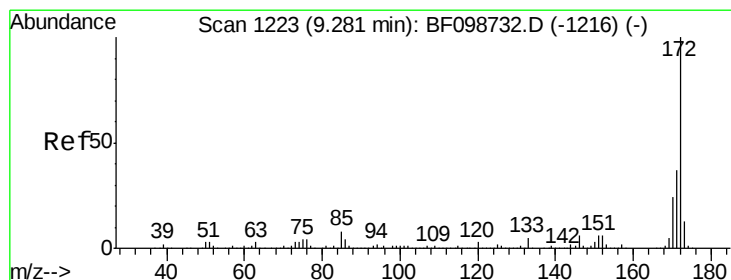
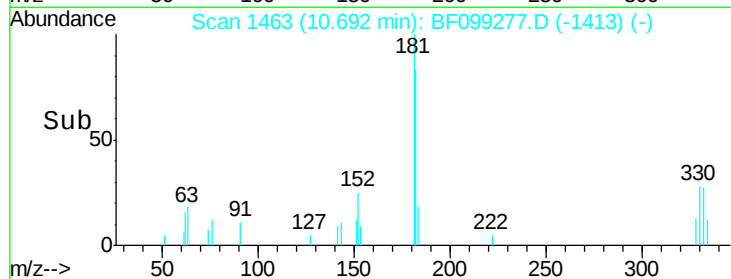
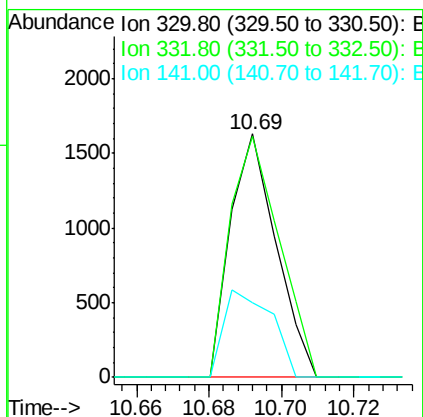
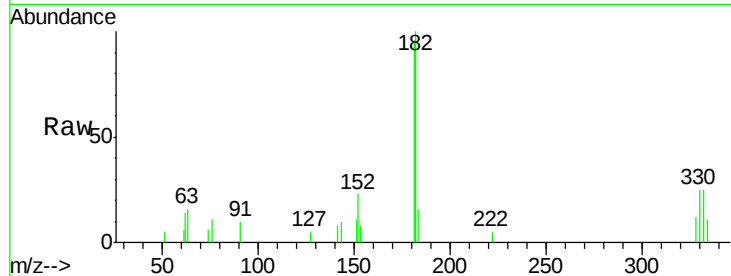




#41
 2,4,6-Tribromophenol
 Concen: 1.16 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

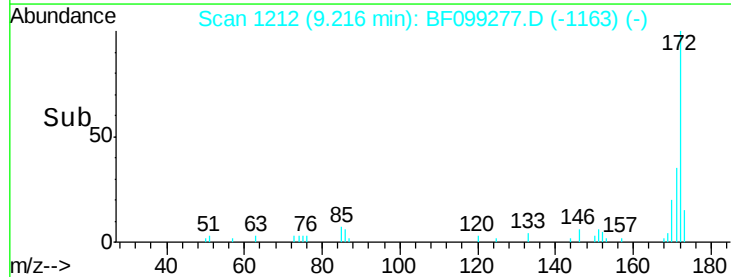
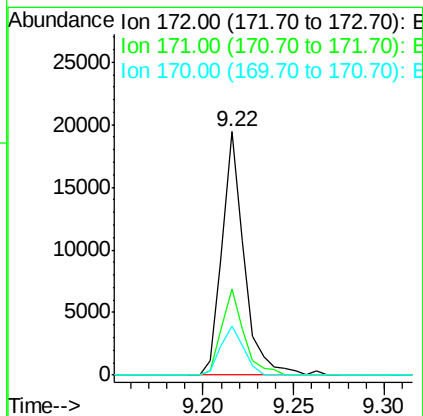
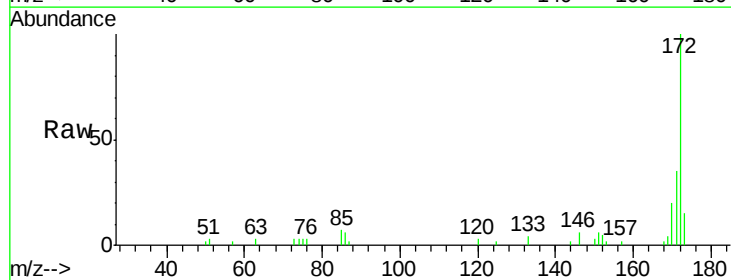
Instrument :
 BNA_F
 ClientSampleId :

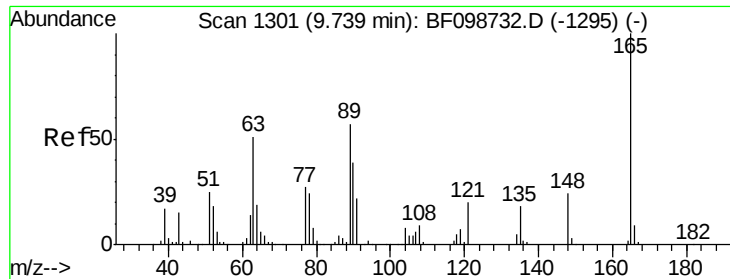
Tot Ion:330 Resp: 1431
 Ion Ratio Lower Upper
 330 100
 332 106.8 77.0 115.6
 141 37.2 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 1.84 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

Tgt Ion:172 Resp: 16588
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 20.1 19.6 29.4

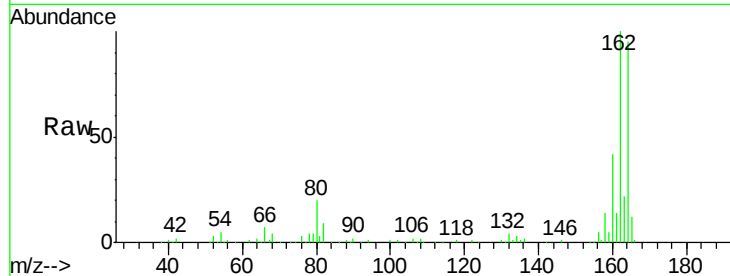




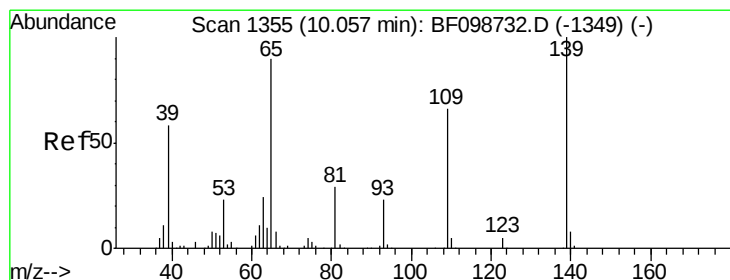
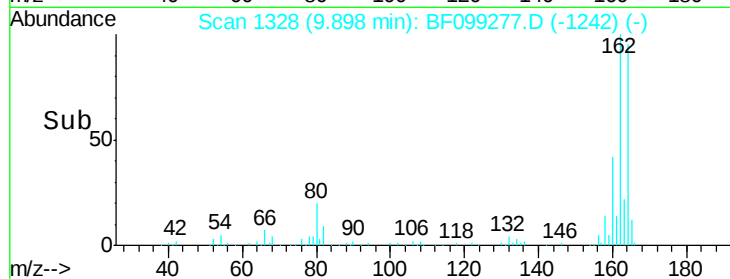
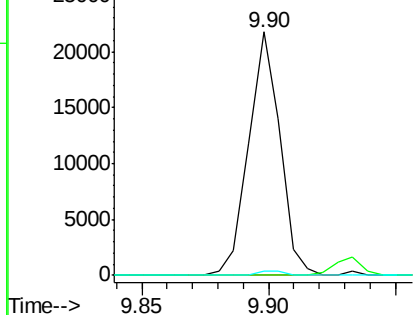
#50
 2,6-Dinitrotoluene
 Concen: 7.59 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.7	44.0	66.0#

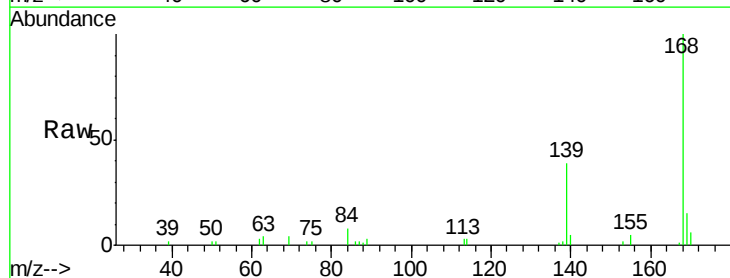


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

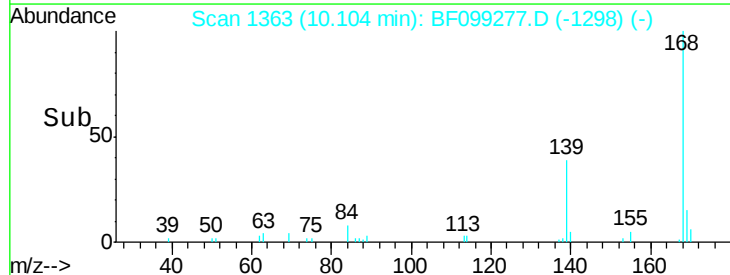
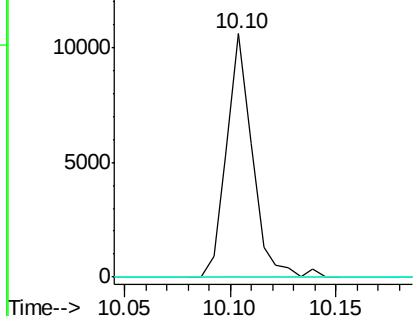


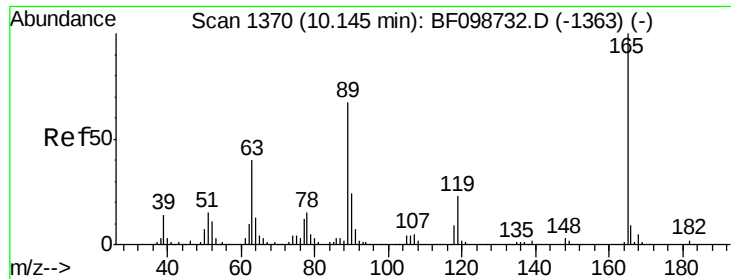
#55
 4-Nitrophenol
 Concen: 3.66 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. 0.08 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

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



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): BF0

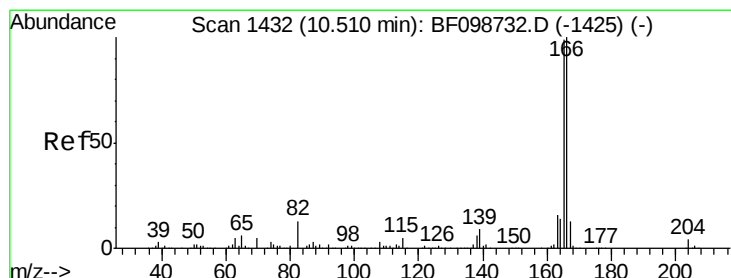
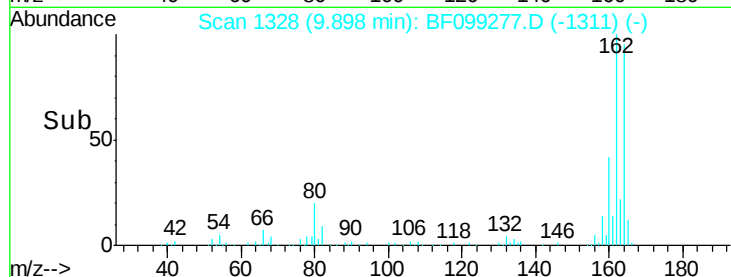
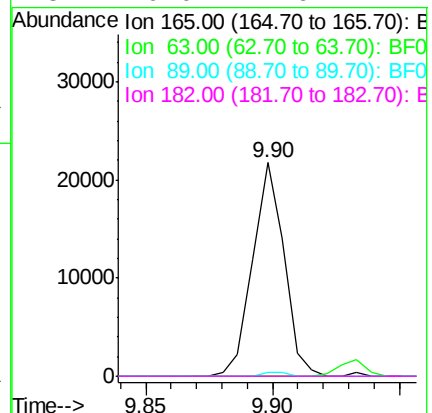
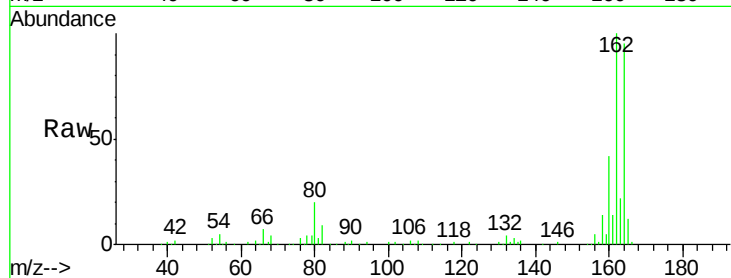




#56
2,4-Dinitrotoluene
Concen: 5.85 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

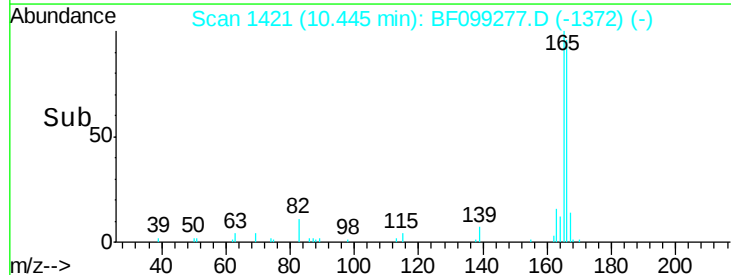
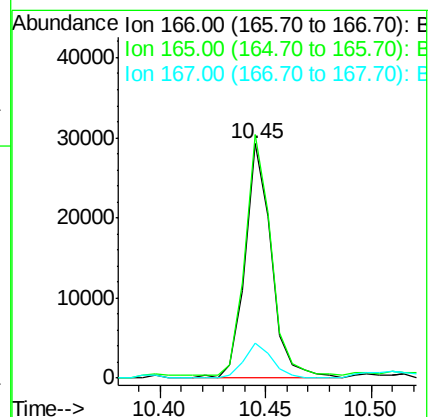
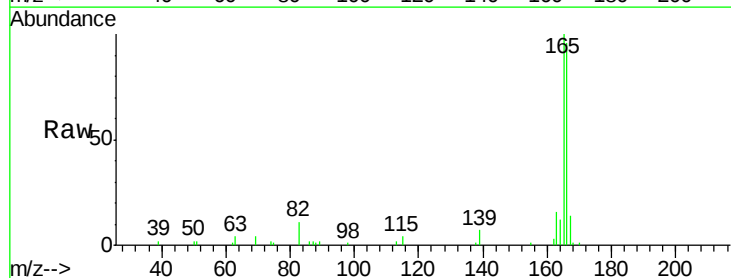
Instrument :
BNA_F
ClientSampleId :

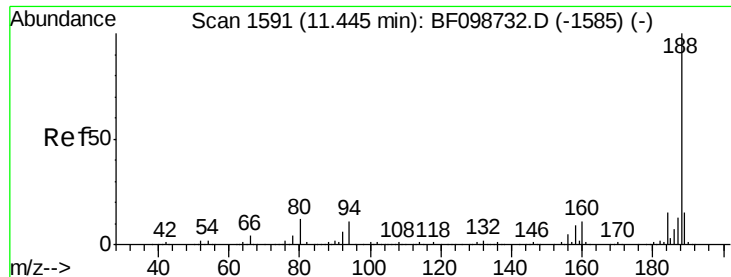
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 2.50 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.9	79.8	119.8
167	14.7	10.6	16.0

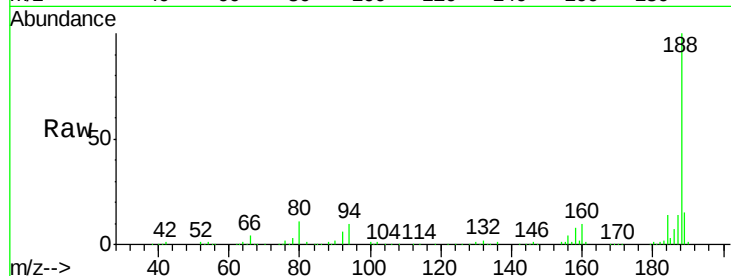




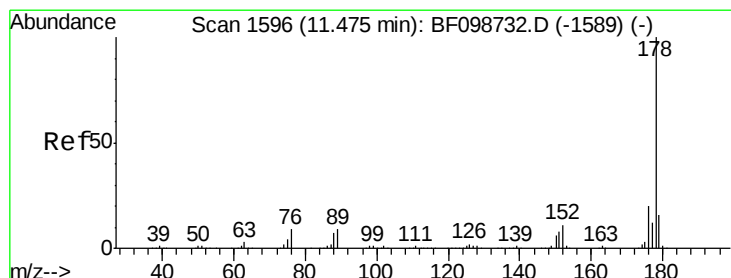
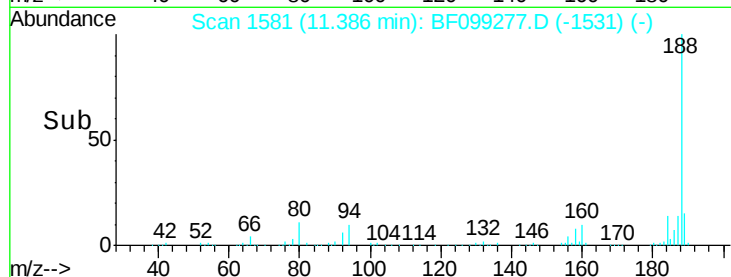
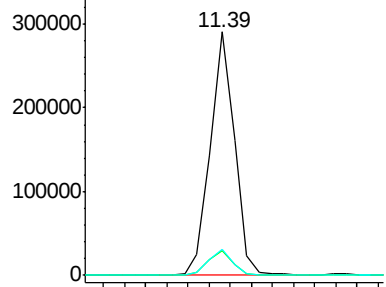
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 230878
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.7 9.2 13.8

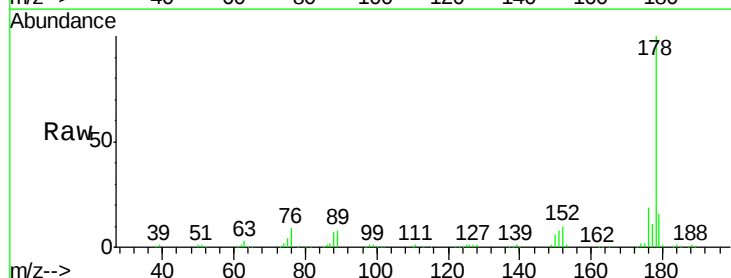


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

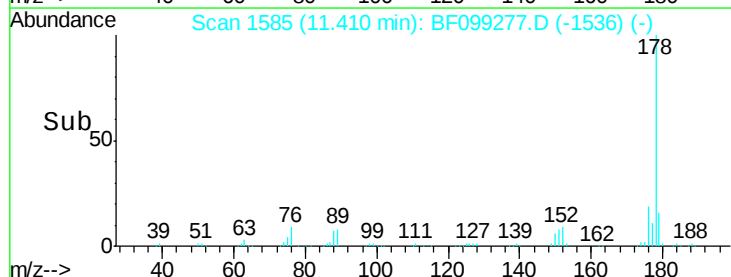
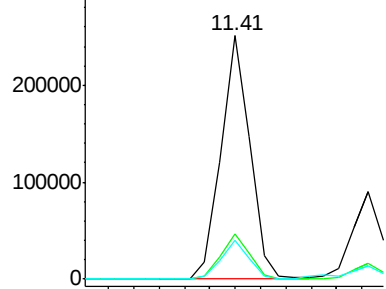


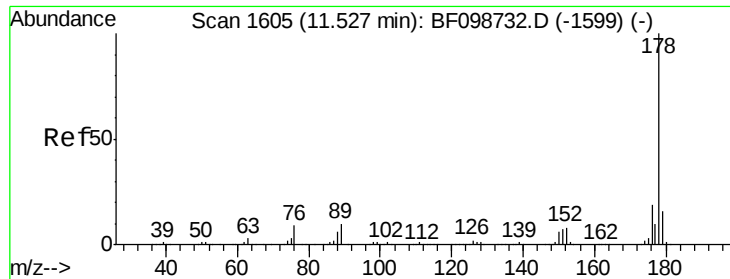
#70
 Phenanthrene
 Concen: 16.28 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

Tgt Ion:178 Resp: 201158
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 15.9 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

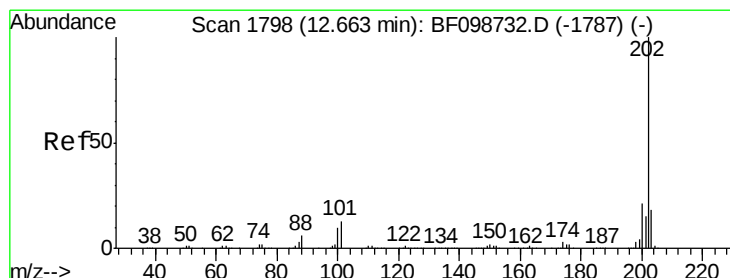
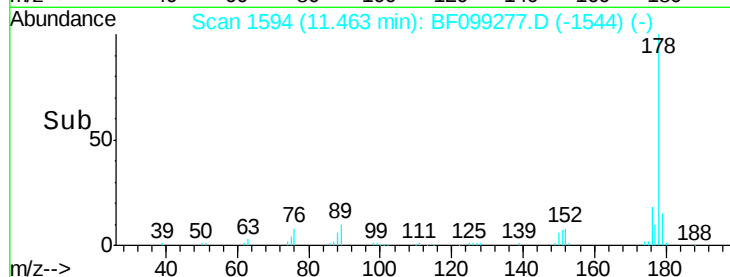
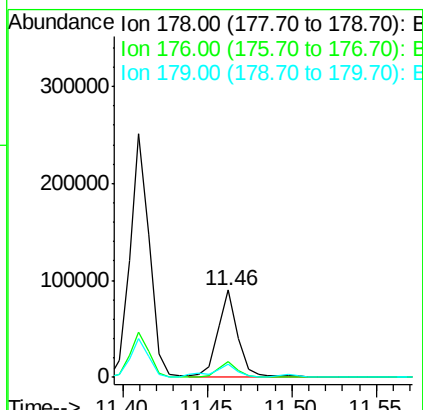
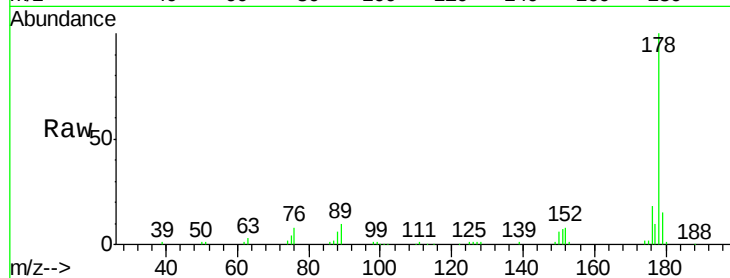




#71
 Anthracene
 Concen: 5.90 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

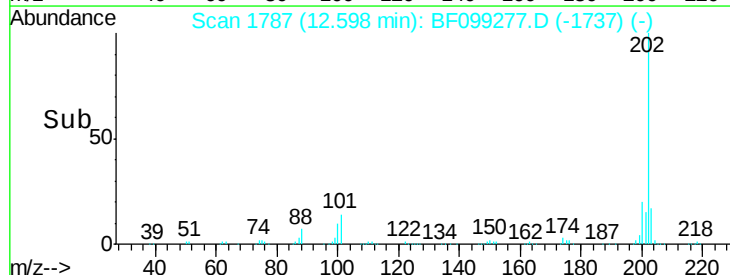
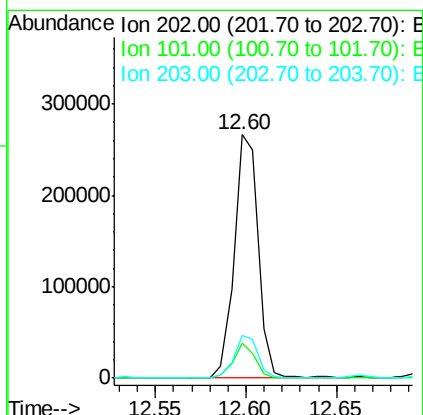
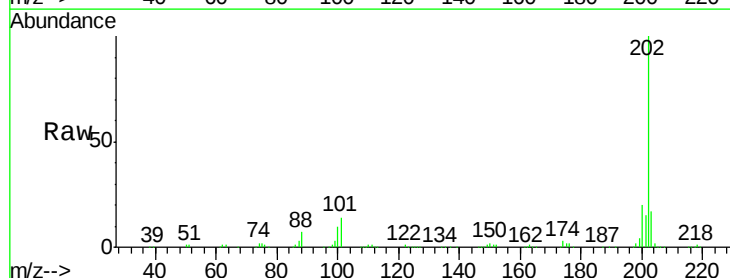
Instrument :
 BNA_F
 ClientSampleId :

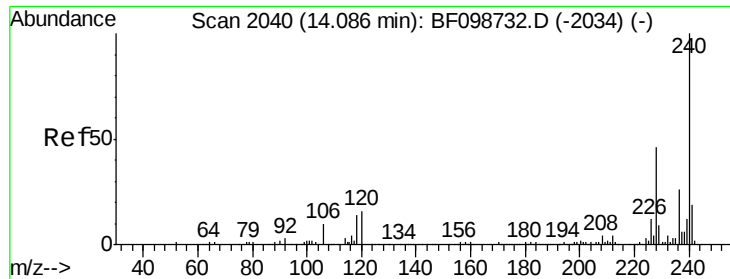
Tot Ion:178 Resp: 74660
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.4 23.2
 179 15.3 12.6 19.0



#74
 Fluoranthene
 Concen: 19.59 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.01 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

Tgt Ion:202 Resp: 245210
 Ion Ratio Lower Upper
 202 100
 101 14.1 0.0 34.1
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099277.D

Acq: 9 Oct 2017 22:10

Instrument :

BNA_F

ClientSampleId :

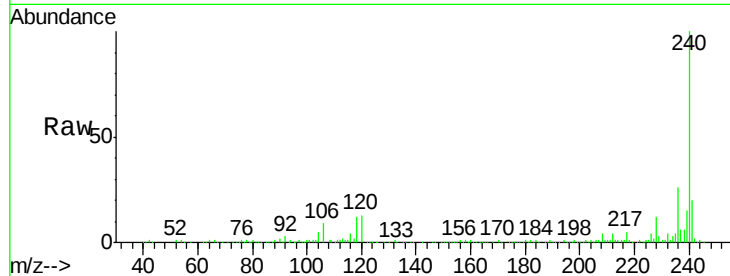
Tot Ion:240 Resp: 154824

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

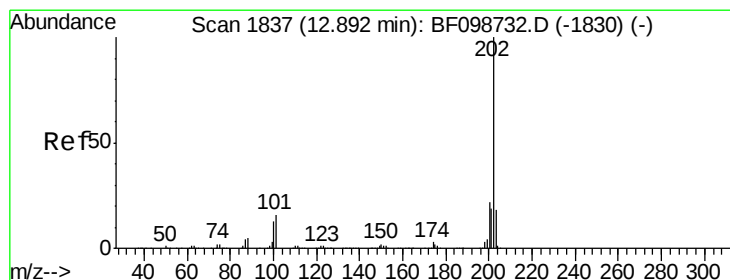
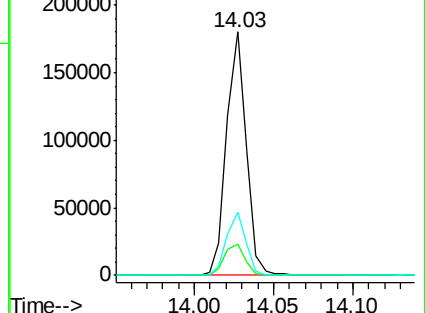
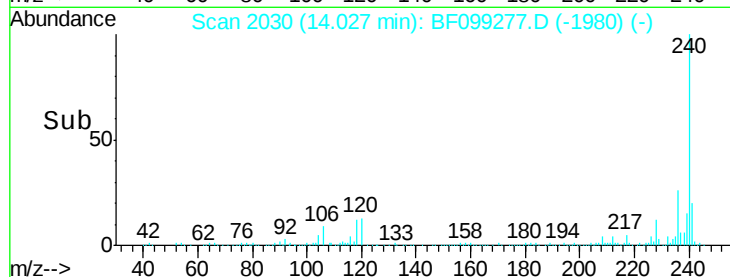
236 26.2 20.7 31.1



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: 16.07 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099277.D

Acq: 9 Oct 2017 22:10

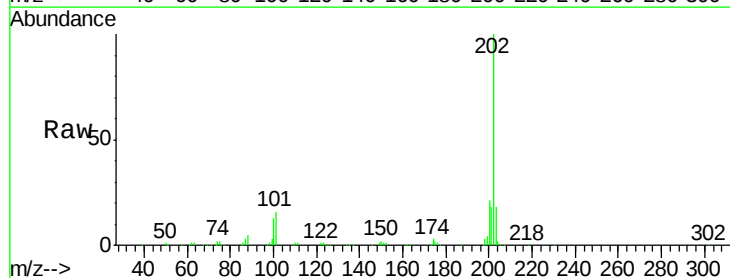
Tgt Ion:202 Resp: 189767

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

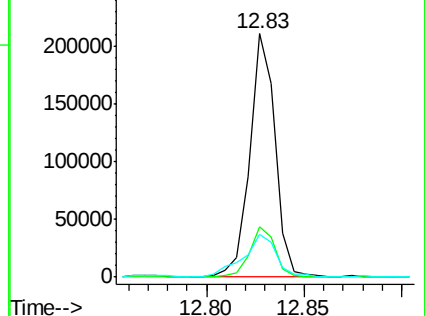
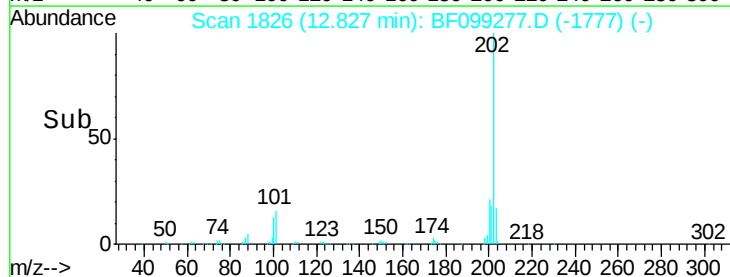
203 17.6 14.3 21.5

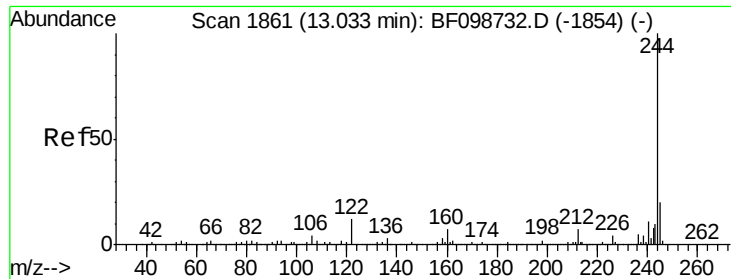


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

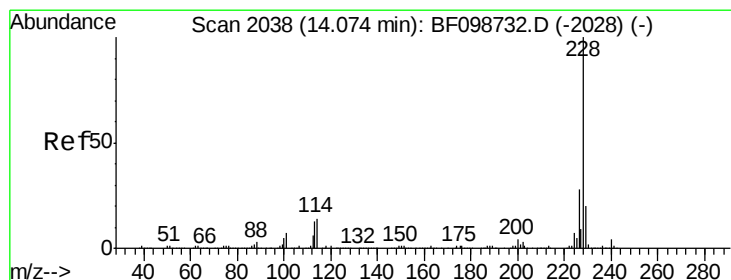
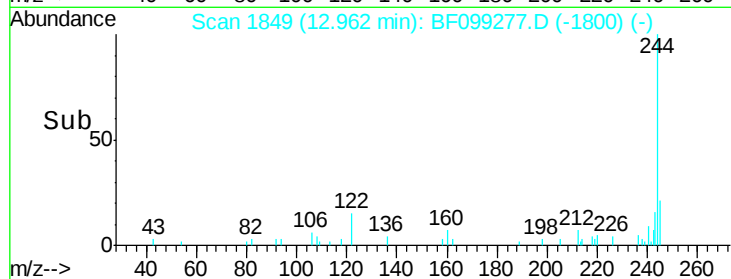
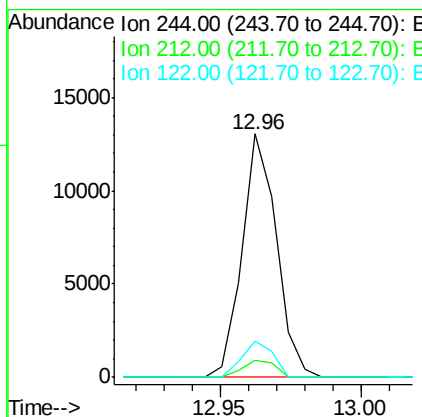
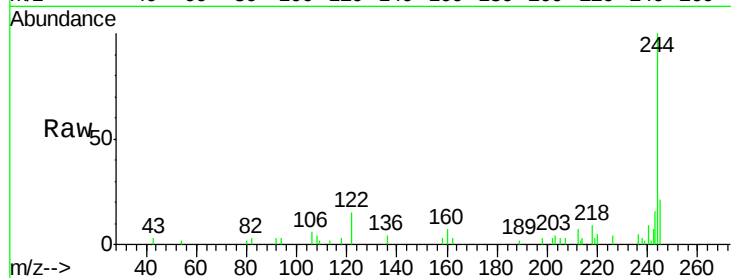




#78
 Terphenyl-d14
 Concen: 1.62 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

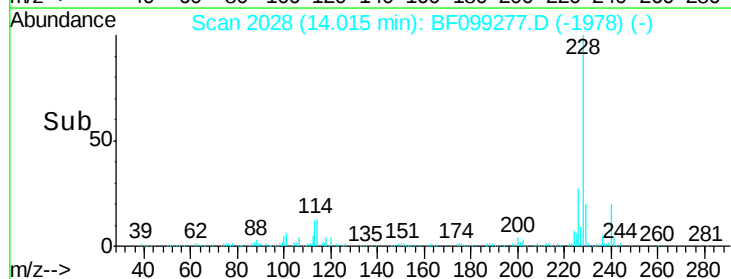
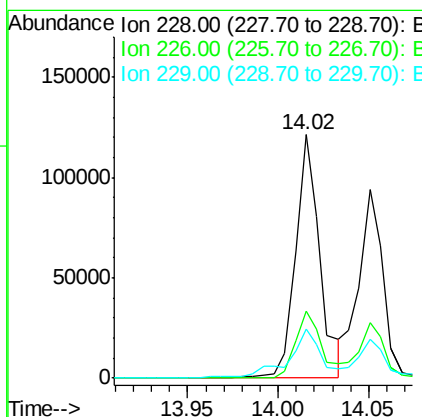
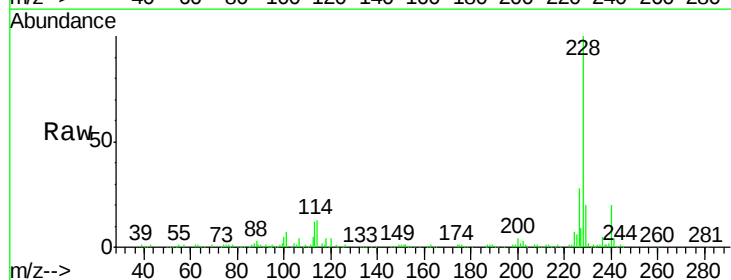
Instrument :
 BNA_F
 ClientSampleId :

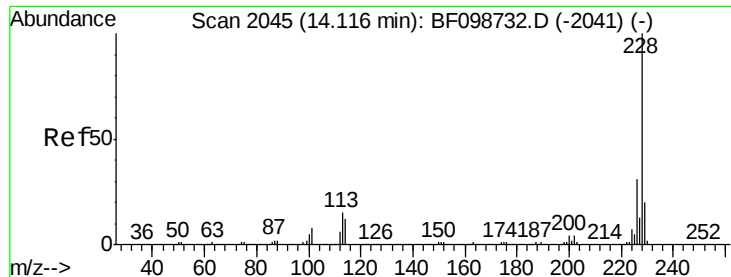
Tot Ion:244 Resp: 11011
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 14.9 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 12.21 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

Tgt Ion:228 Resp: 114465
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.6 33.8
 229 20.1 15.8 23.6





#82

Chrysene

Concen: 9.99 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF099277.D

Acq: 9 Oct 2017 22:10

Instrument :

BNA_F

ClientSampleId :

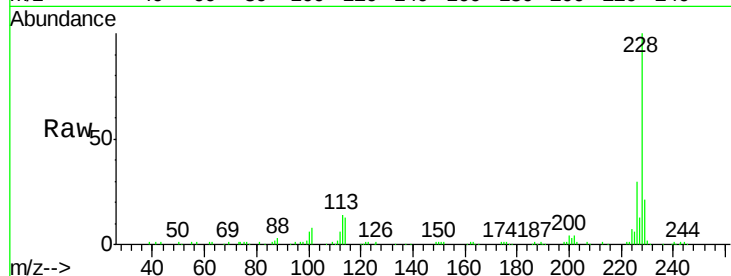
Tot Ion:228 Resp: 89121

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

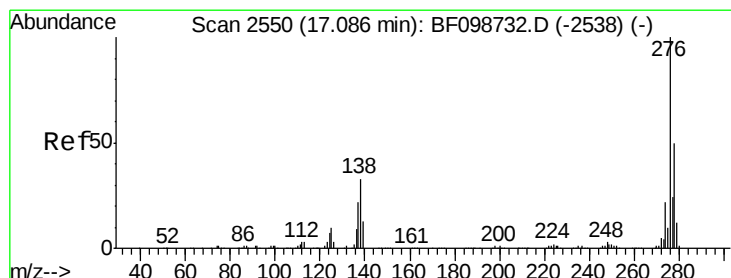
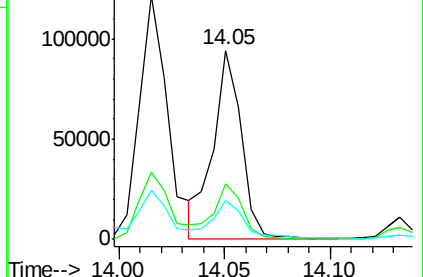
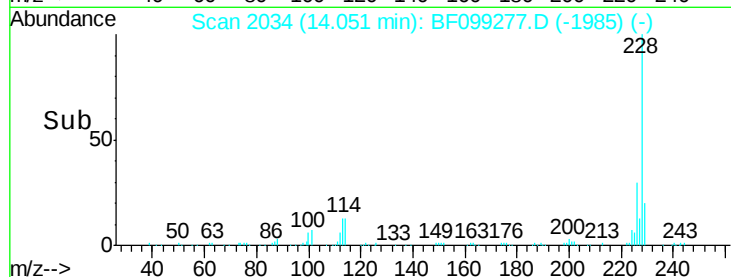
229 20.6 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.90 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF099277.D

Acq: 9 Oct 2017 22:10

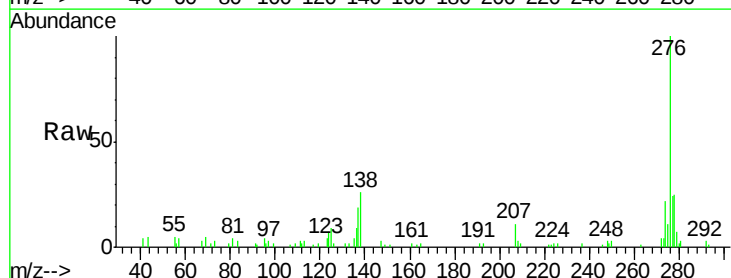
Tgt Ion:276 Resp: 42106

Ion Ratio Lower Upper

276 100

138 33.8 25.0 37.6

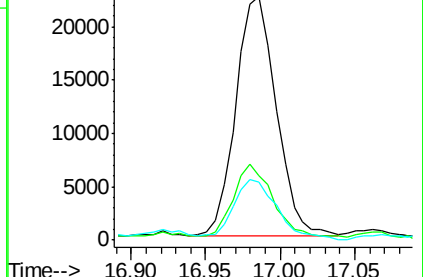
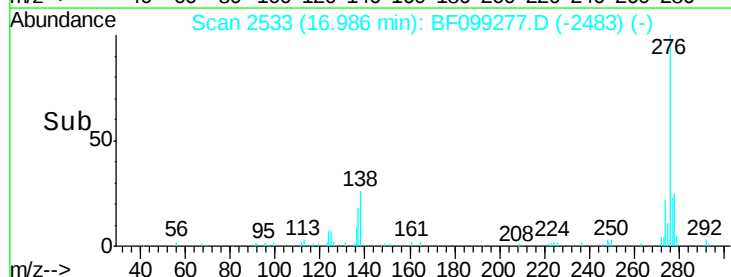
277 28.0 20.1 30.1

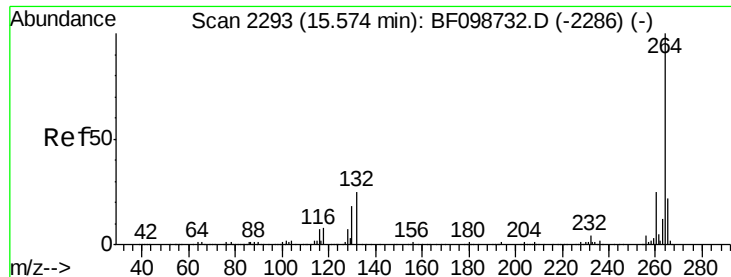


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

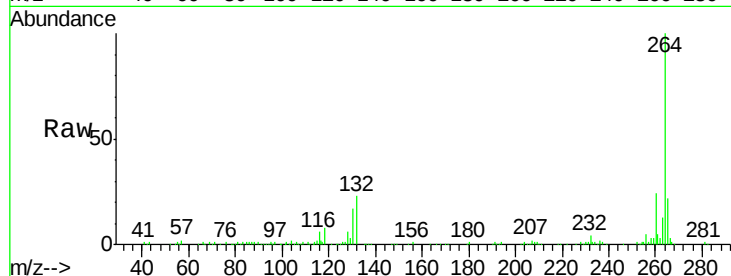




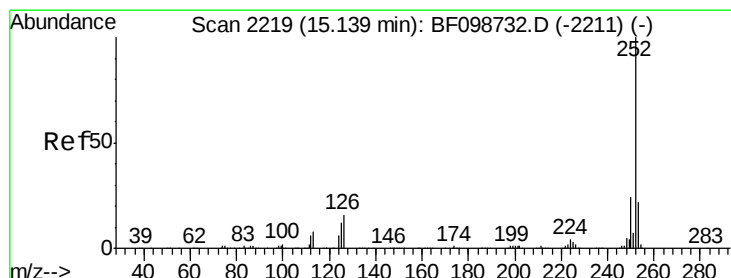
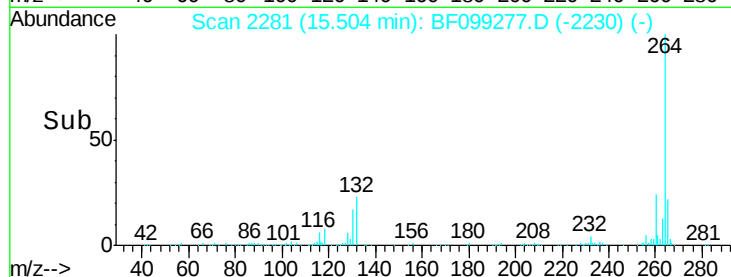
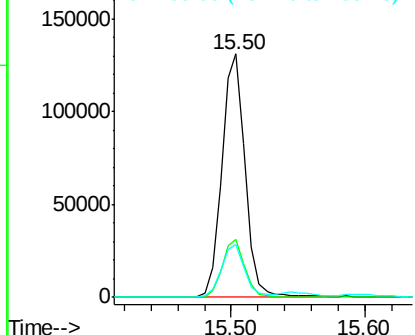
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 161256
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.6 17.5 26.3

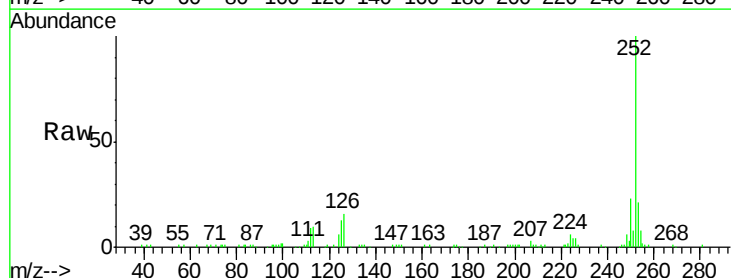


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

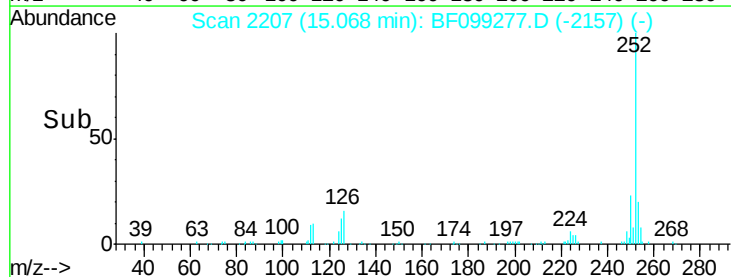
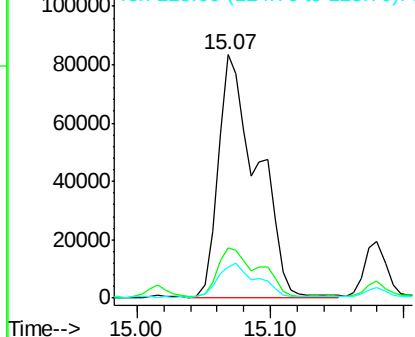


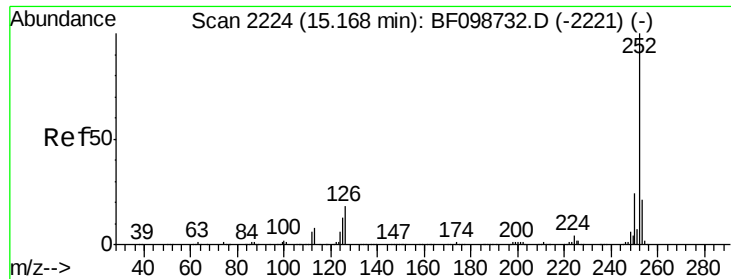
#87
Benzo(b)fluoranthene
Concen: 17.16 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:252 Resp: 170183
Ion Ratio Lower Upper
252 100
253 20.8 17.0 25.6
125 13.0 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

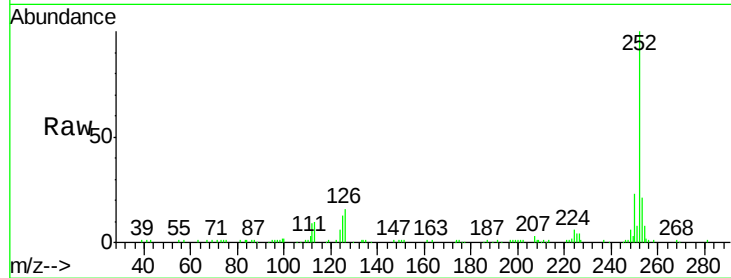




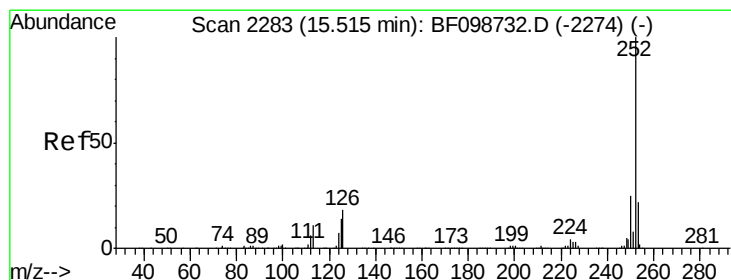
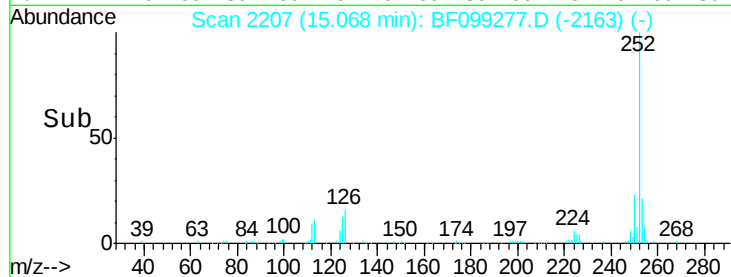
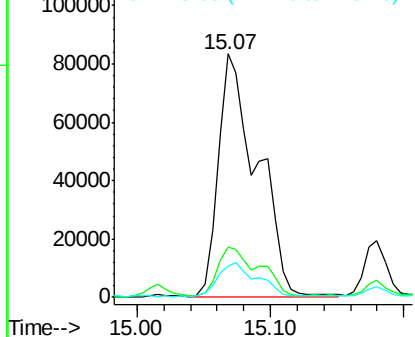
#88
Benzo(k)fluoranthene
Concen: 17.38 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 170183
Ion Ratio Lower Upper
252 100
253 20.8 17.9 26.9
125 13.0 10.2 15.2

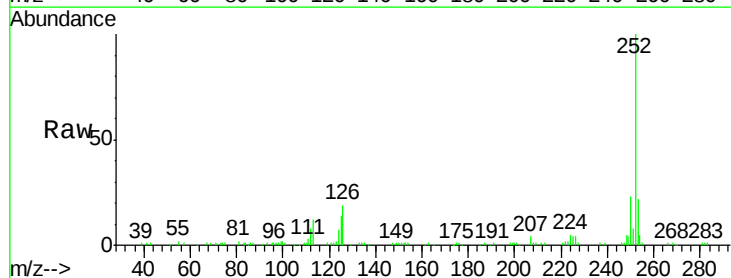


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

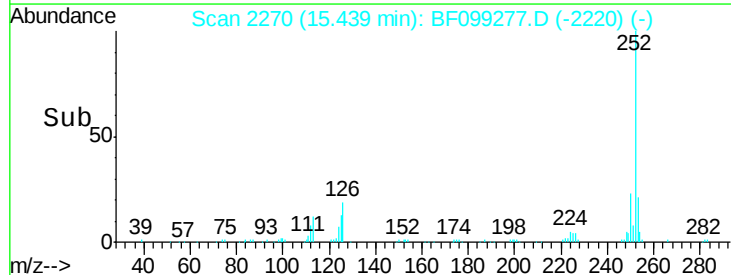
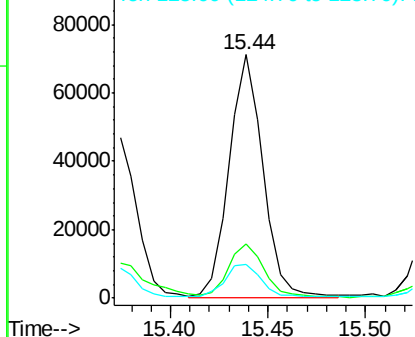


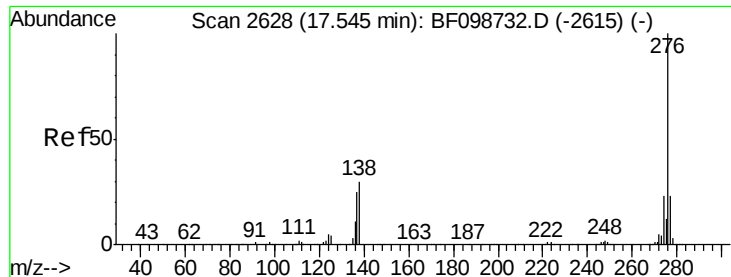
#89
Benzo(a)pyrene
Concen: 9.34 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099277.D
Acq: 9 Oct 2017 22:10

Tgt Ion:252 Resp: 85008
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 13.9 9.8 14.6



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





#91
 Benzo(a,h,i)perylene
 Concen: 5.09 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BF099277.D
 Acq: 9 Oct 2017 22:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	28.8	21.8	32.8

