

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099695.D
 Acq On : 20 Oct 2017 12:39
 Operator : SJ/JU
 Sample : I5953-01 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 17:54:46 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

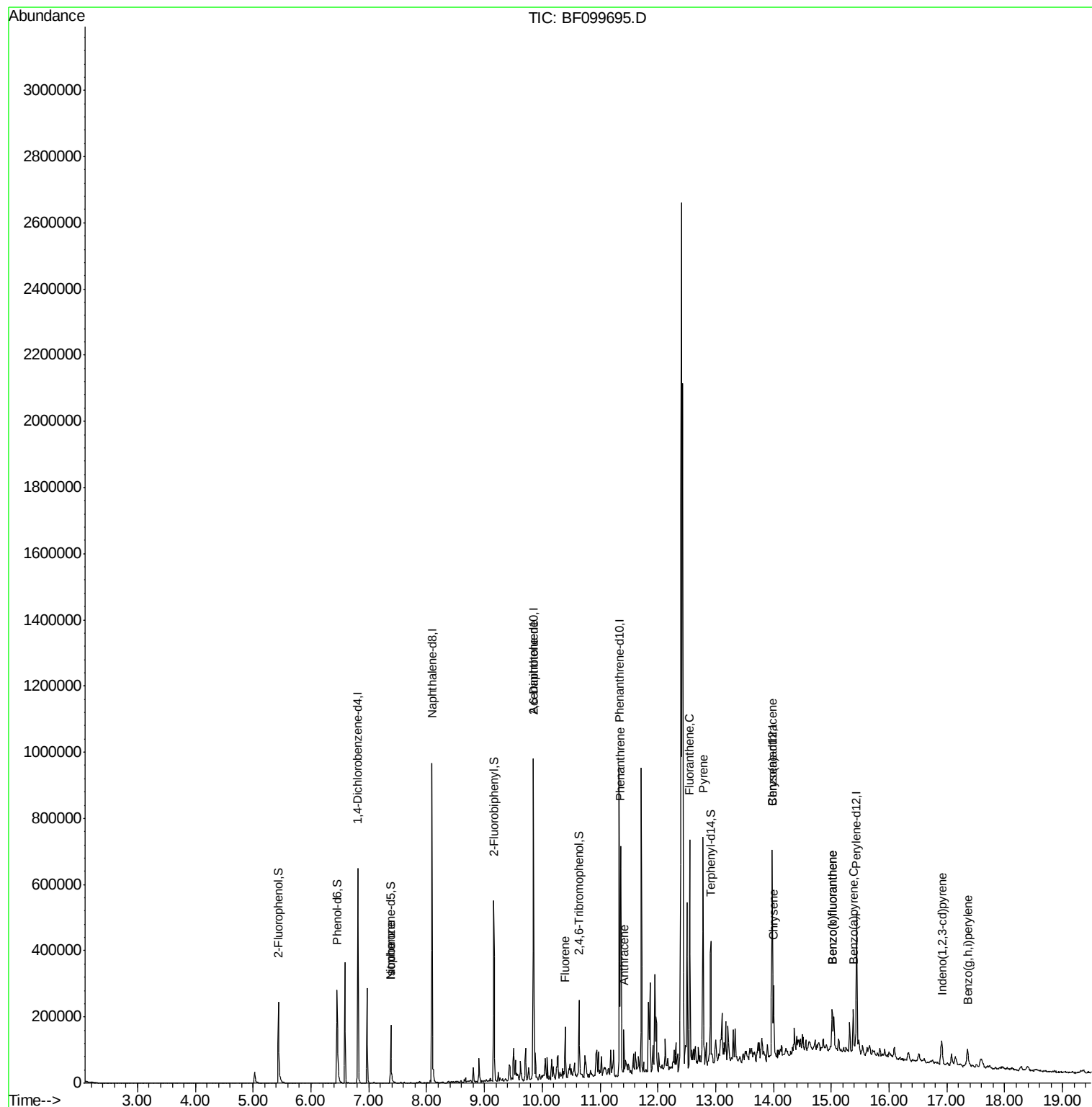
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	102277	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	423151	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	194040	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	322817	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	180912	20.00	ng	0.00
86) Perylene-d12	15.44	264	181404	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	96633	15.04	ng	0.00
7) Phenol-d6	6.45	99	122926	15.51	ng	-0.01
23) Nitrobenzene-d5	7.38	82	68751	10.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	25684	16.18	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	156634	13.48	ng	-0.01
78) Terphenyl-d14	12.92	244	106502	13.39	ng	0.00
Target Compounds						
25) Isophorone	7.38	82	68751	5.040	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	25507	8.000	ng	# 26
57) Fluorene	10.40	166	42627	3.281	ng	96
70) Phenanthrene	11.36	178	265194	15.347	ng	98
71) Anthracene	11.41	178	55430	3.135	ng	98
74) Fluoranthene	12.55	202	227611	13.008	ng	98
77) Pyrene	12.78	202	256837	18.618	ng	98
80) Benzo(a)anthracene	13.97	228	75939	6.932	ng	98
82) Chrysene	14.00	228	79855	7.657	ng	96
85) Indeno(1,2,3-cd)pyrene	16.91	276	31415	3.766	ng	98
87) Benzo(b)fluoranthene	15.02	252	84327	7.561	ng	# 92
88) Benzo(k)fluoranthene	15.02	252	84327	7.655	ng	# 95
89) Benzo(a)pyrene	15.38	252	58721	5.736	ng	96
91) Benzo(a,h,i)perylene	17.36	276	34421	4.250	ng	96

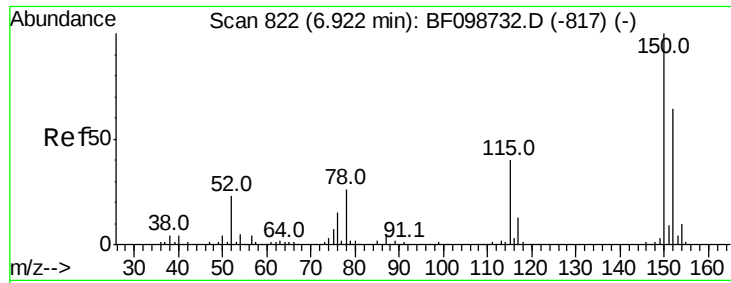
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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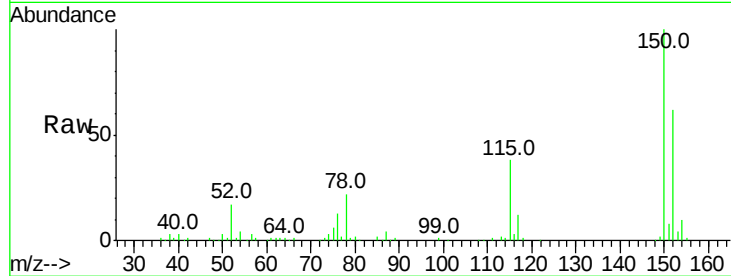


#1

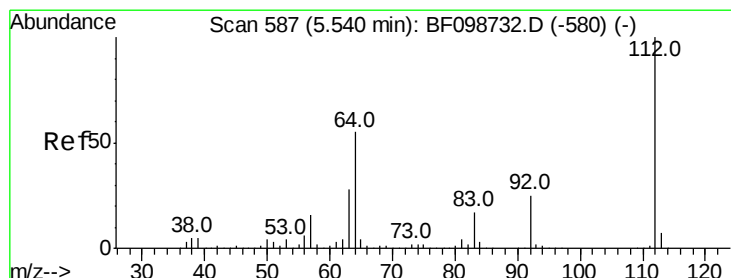
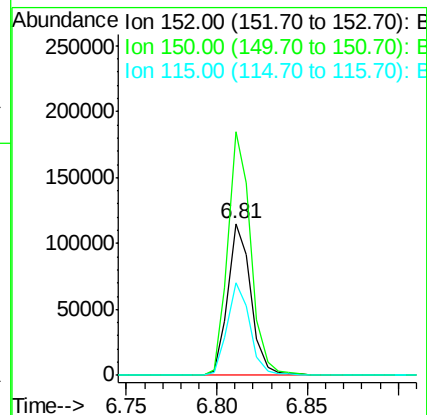
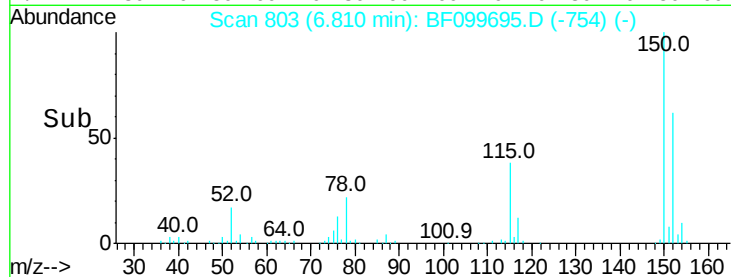
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF099695.D
 Acq: 20 Oct 2017 12:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 102277
 Ion Ratio Lower Upper
 152 100
 150 160.8 124.6 186.8
 115 60.8 50.1 75.1



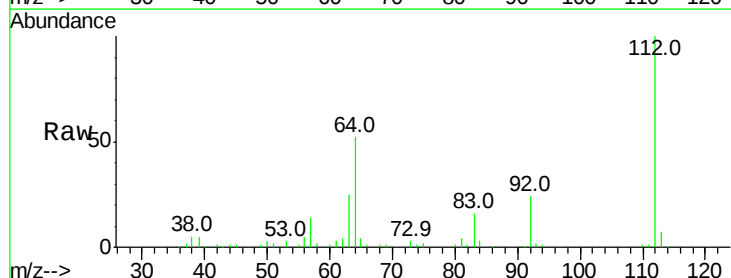
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



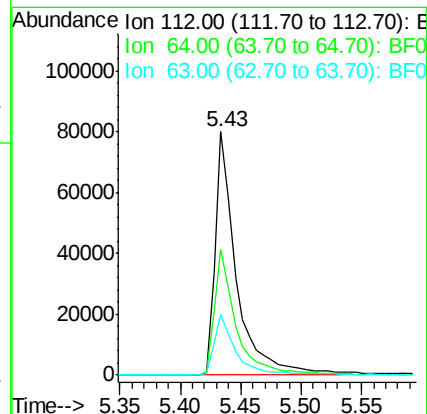
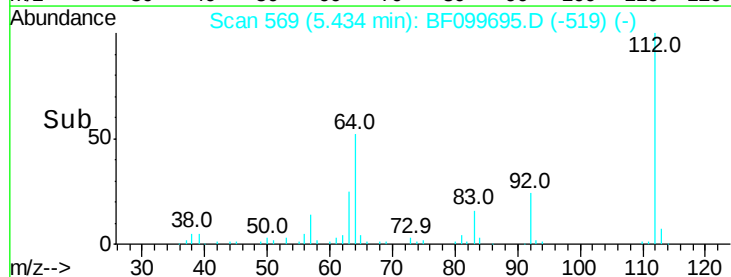
#5

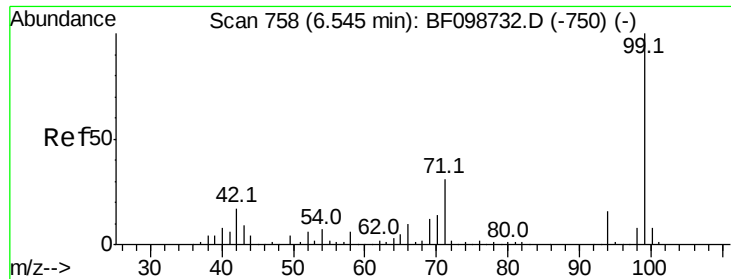
2-Fluorophenol
 Concen: 15.041 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF099695.D
 Acq: 20 Oct 2017 12:39

Tgt Ion:112 Resp: 96633
 Ion Ratio Lower Upper
 112 100
 64 51.9 47.9 71.9
 63 24.8 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: 15.510 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099695.D

Acq: 20 Oct 2017 12:39

Instrument :

BNA_F

ClientSampleId :

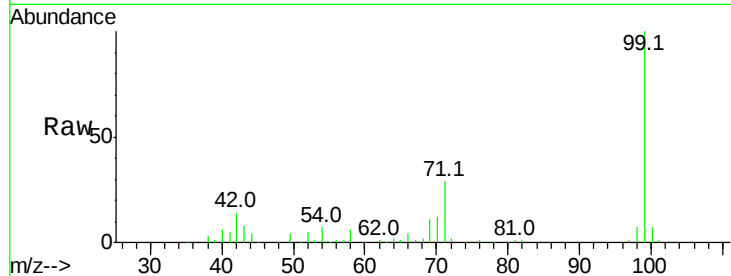
Tot Ion: 99 Resp: 122926

Ion Ratio Lower Upper

99 100

42 13.8 14.5 21.7#

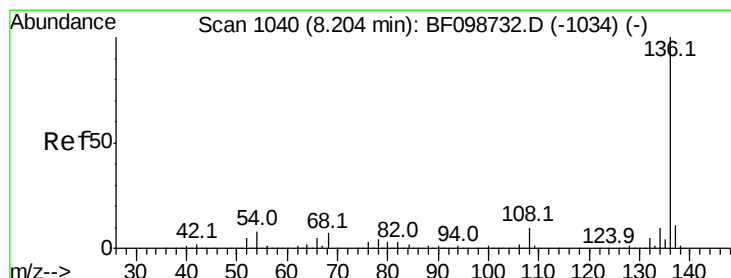
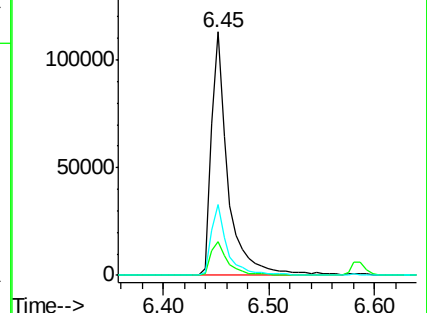
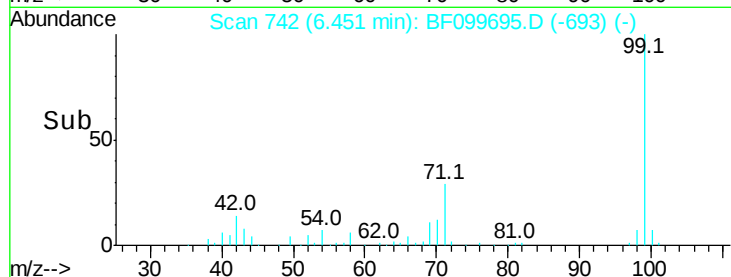
71 29.3 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF099695.D

Acq: 20 Oct 2017 12:39

Tgt Ion: 136 Resp: 423151

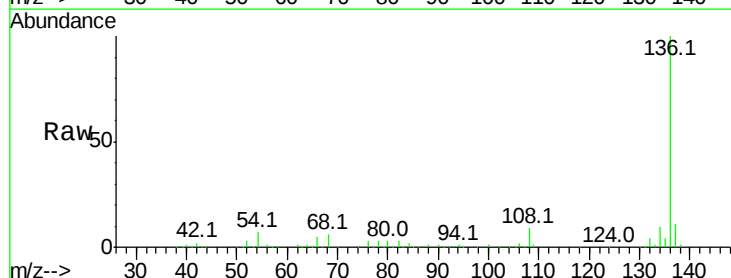
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.1 6.6 9.8

68 5.9 5.0 7.4

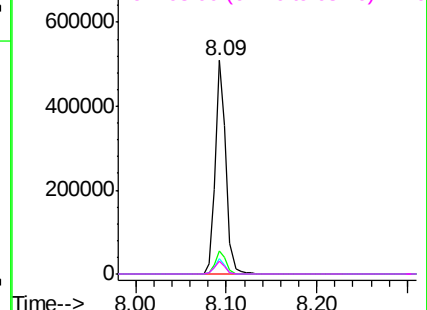
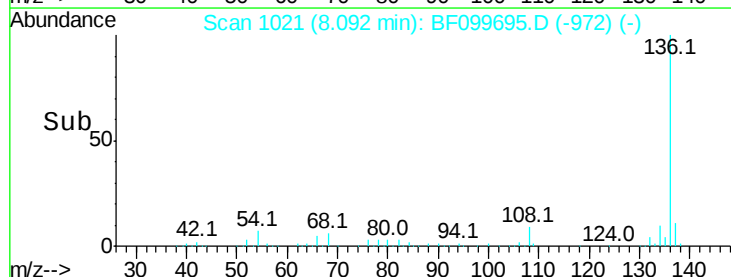


Abundance Ion 136.00 (135.70 to 136.70): E

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

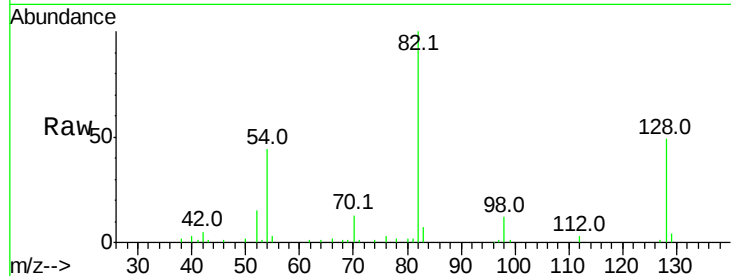




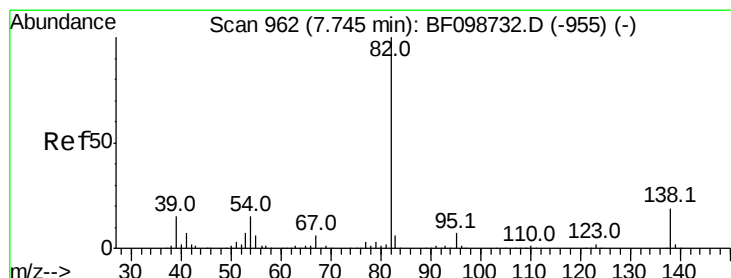
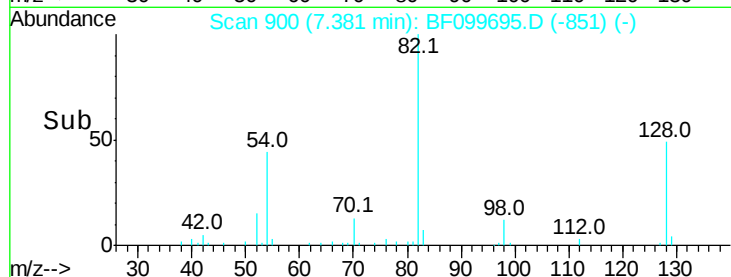
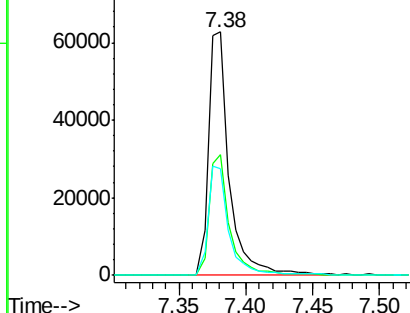
#23
 Nitrobenzene-d5
 Concen: 10.419 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF099695.D
 Acq: 20 Oct 2017 12:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	68751
Ion Ratio	Lower	Upper	
82	100		
128	49.3	36.1	54.1
54	44.0	41.4	62.2

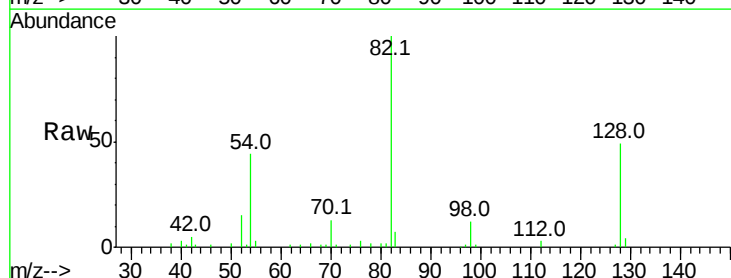


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

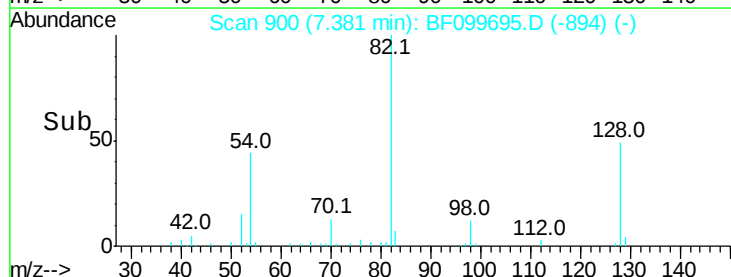
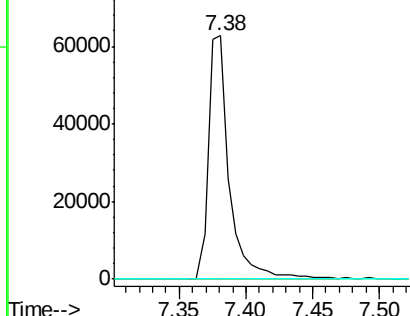


#25
 Isophorone
 Concen: 5.040 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF099695.D
 Acq: 20 Oct 2017 12:39

Tgt Ion	82	Resp	68751
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

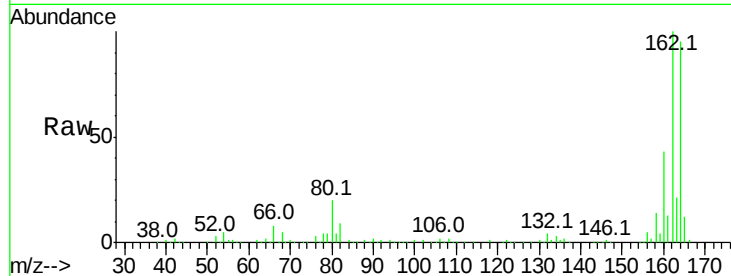




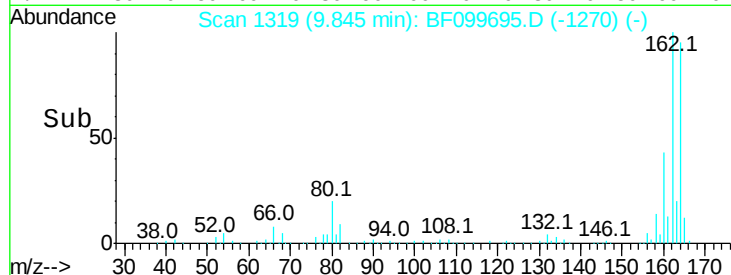
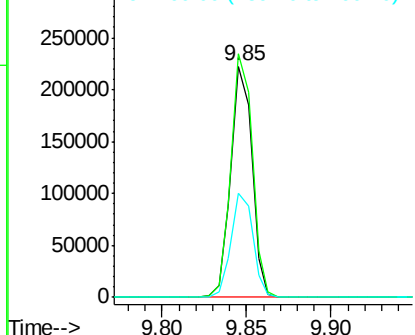
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF099695.D
Acq: 20 Oct 2017 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 194040
Ion Ratio Lower Upper
164 100
162 105.5 86.1 129.1
160 45.0 38.3 57.5

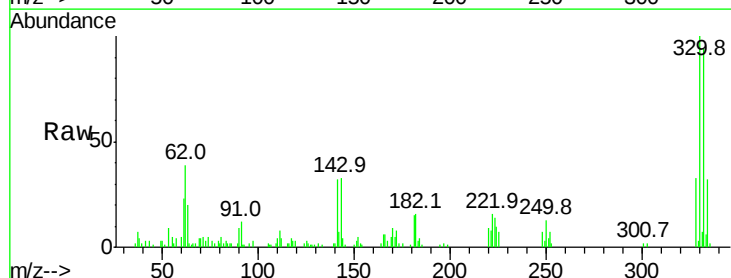


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

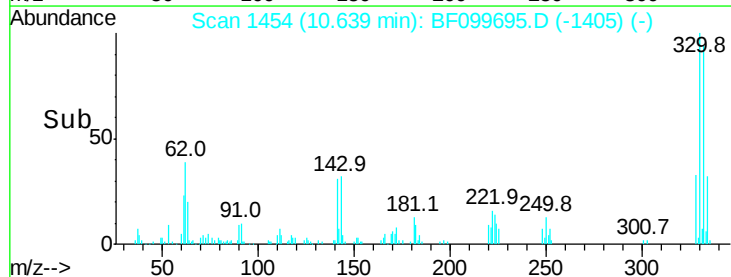
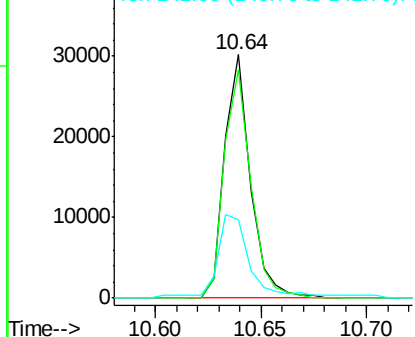


#41
2,4,6-Tribromophenol
Concen: 16.176 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF099695.D
Acq: 20 Oct 2017 12:39

Tgt Ion:330 Resp: 25684
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 44.4 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

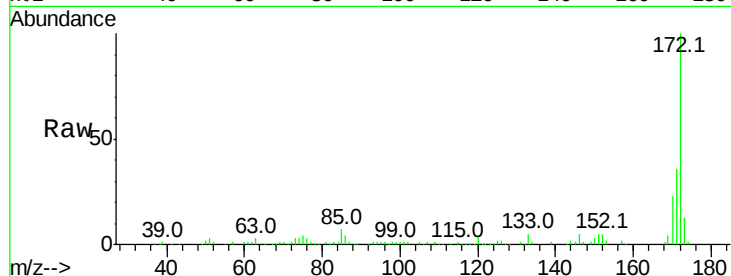




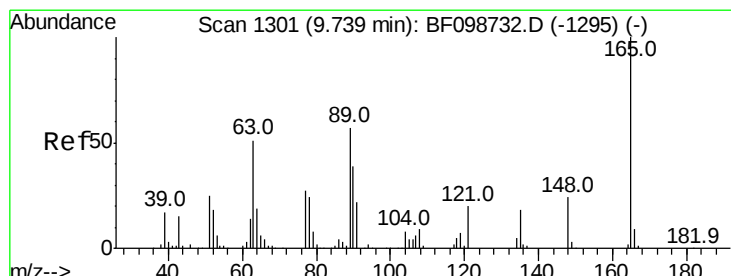
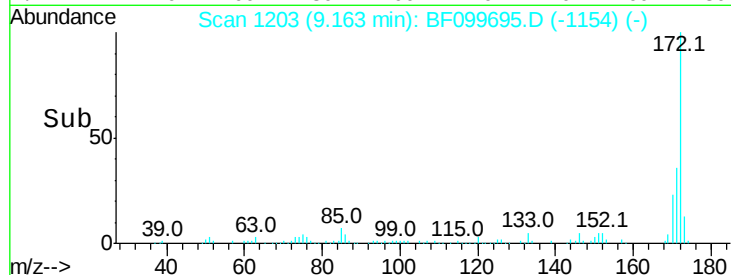
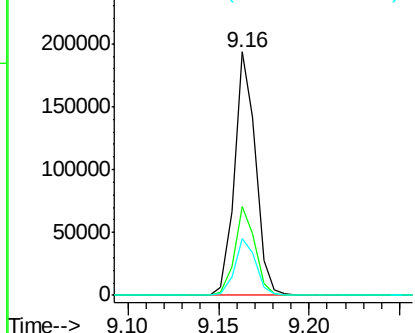
#44
 2-Fluorobiphenyl
 Concen: 13.476 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF099695.D
 Acq: 20 Oct 2017 12:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 156634
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 23.1 19.6 29.4

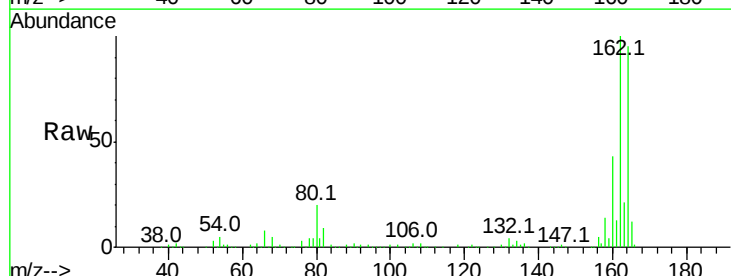


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

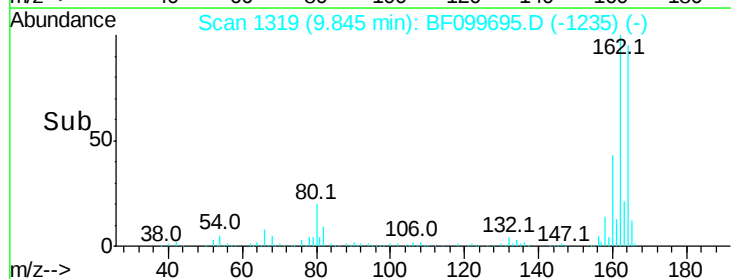
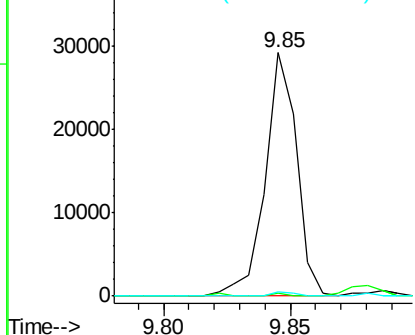


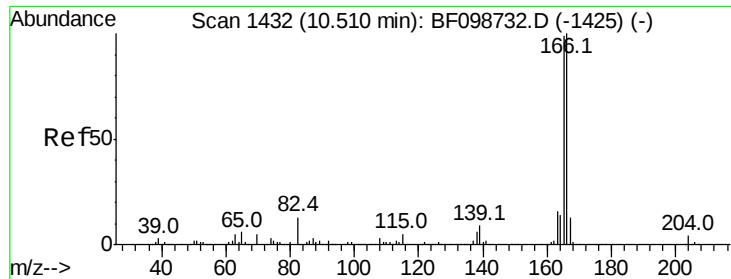
#50
 2,6-Dinitrotoluene
 Concen: 8.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.19 min
 Lab File: BF099695.D
 Acq: 20 Oct 2017 12:39

Tgt Ion:165 Resp: 25507
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 1.5 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

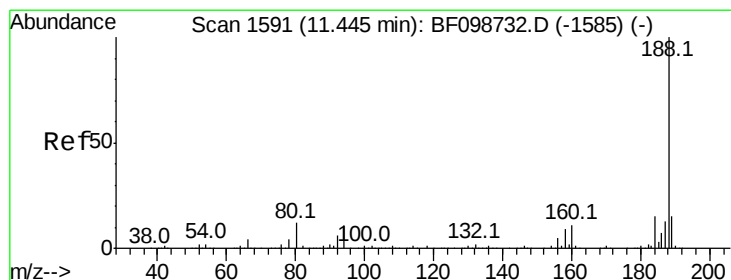
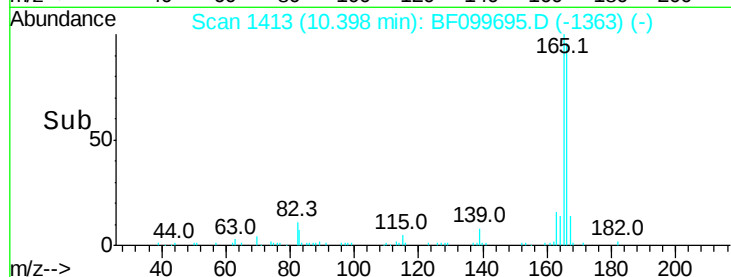
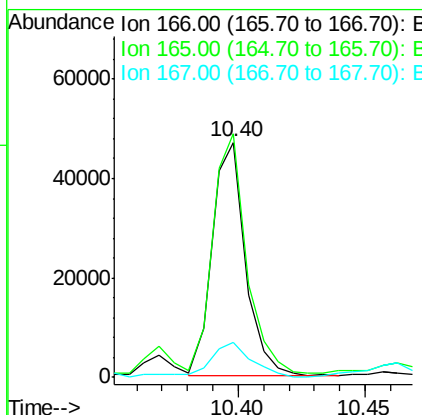
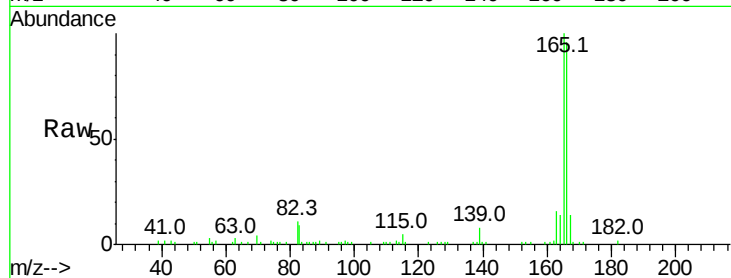




#57
 Fluorene
 Concen: 3.281 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF099695.D
 Acq: 20 Oct 2017 12:39

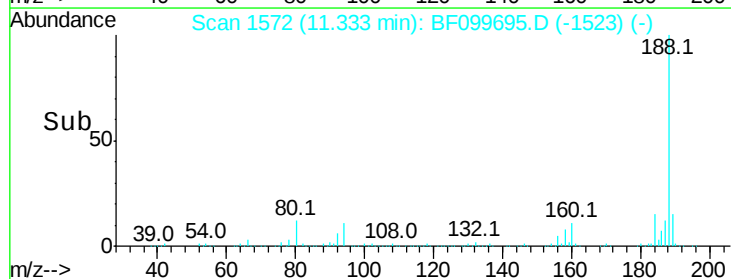
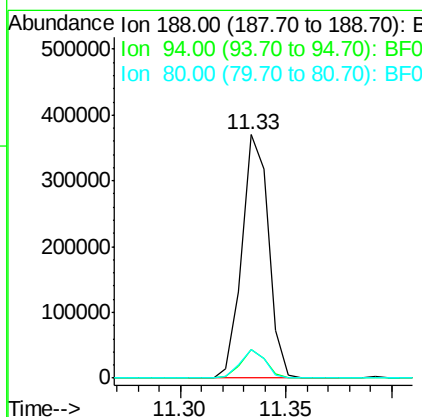
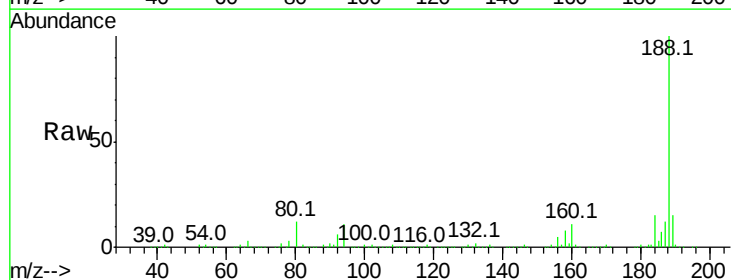
Instrument :
 BNA_F
 ClientSampleId :

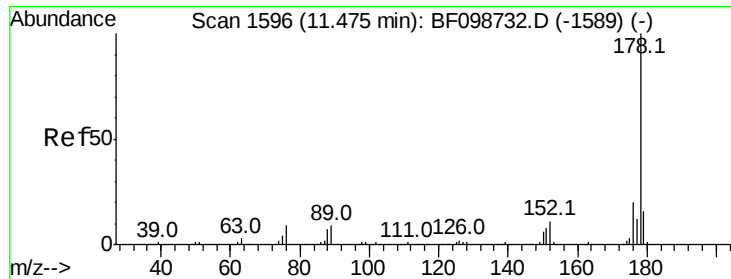
Tot Ion:166 Resp: 42627
 Ion Ratio Lower Upper
 166 100
 165 103.7 79.8 119.8
 167 14.8 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF099695.D
 Acq: 20 Oct 2017 12:39

Tgt Ion:188 Resp: 322817
 Ion Ratio Lower Upper
 188 100
 94 11.5 8.5 12.7
 80 11.8 9.2 13.8

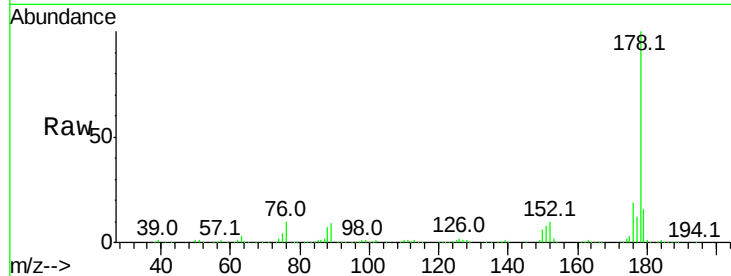




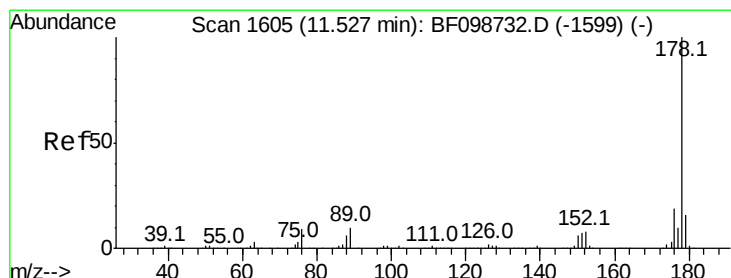
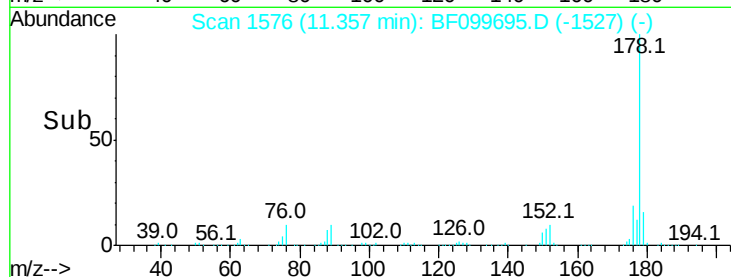
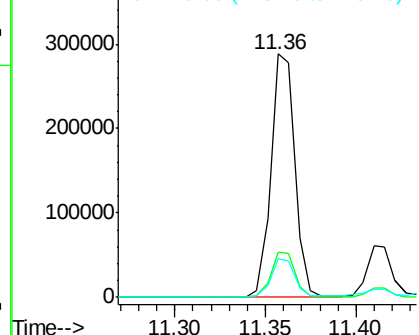
#70
Phenanthrene
Concen: 15.347 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099695.D
Acq: 20 Oct 2017 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 265194
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.9 13.0 19.6

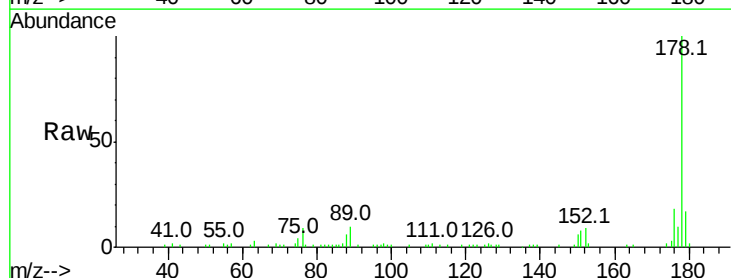


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

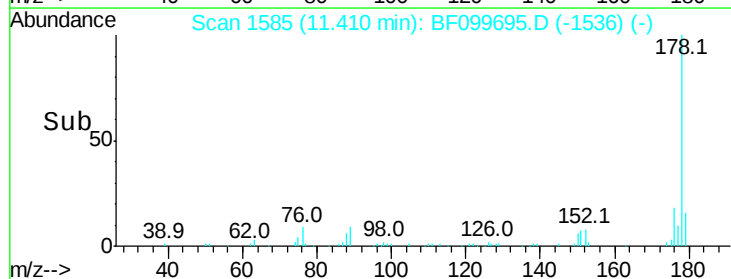
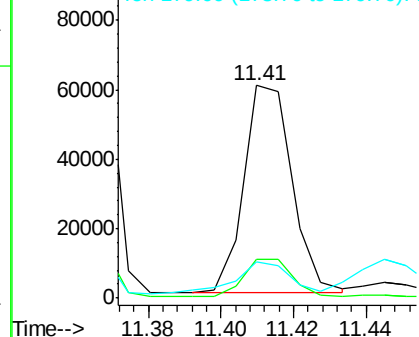


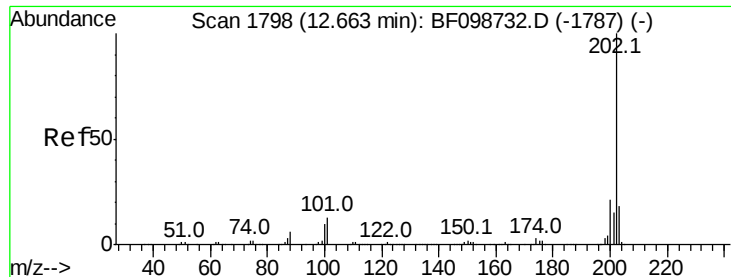
#71
Anthracene
Concen: 3.135 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099695.D
Acq: 20 Oct 2017 12:39

Tgt Ion:178 Resp: 55430
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 16.8 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: 13.008 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF099695.D

Acq: 20 Oct 2017 12:39

Instrument :

BNA_F

ClientSampleId :

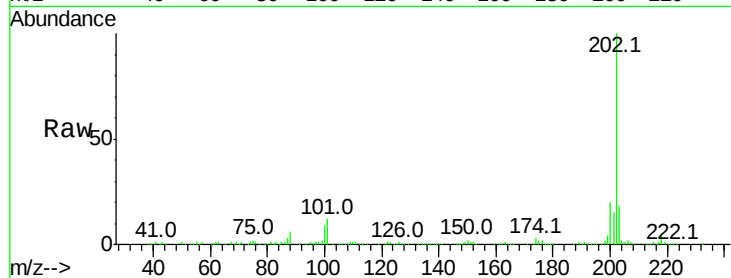
Tot Ion:202 Resp: 227611

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

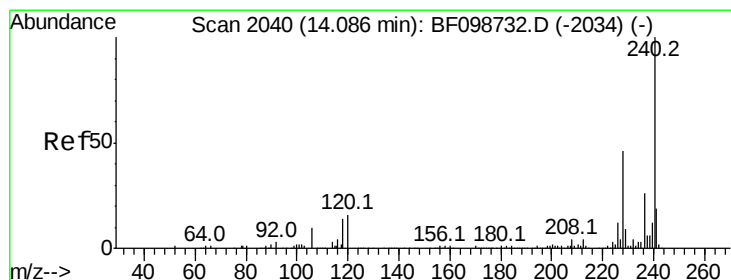
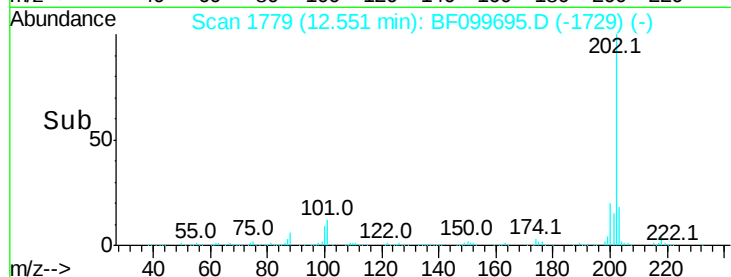
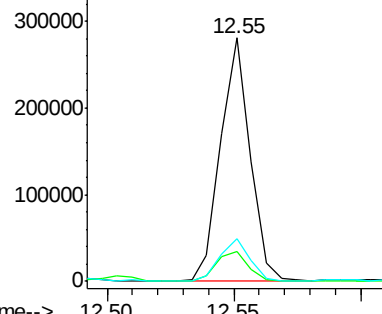
203 17.6 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099695.D

Acq: 20 Oct 2017 12:39

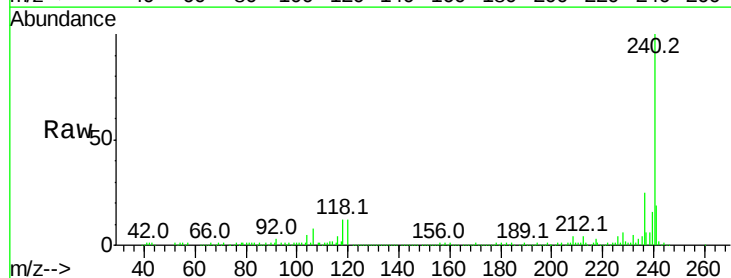
Tgt Ion:240 Resp: 180912

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

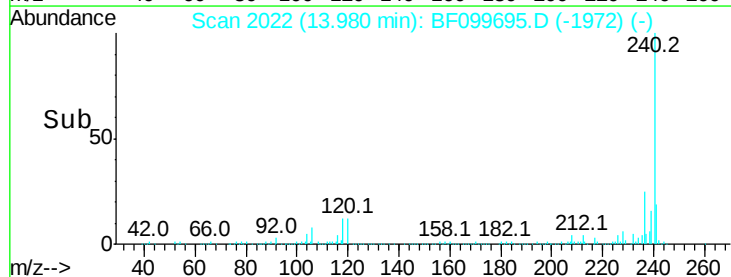
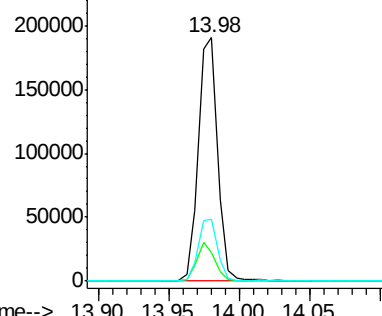
236 25.3 20.7 31.1

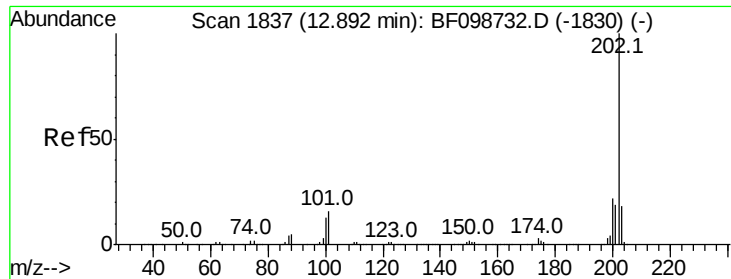


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 18.618 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099695.D

Acq: 20 Oct 2017 12:39

Instrument :

BNA_F

ClientSampleId :

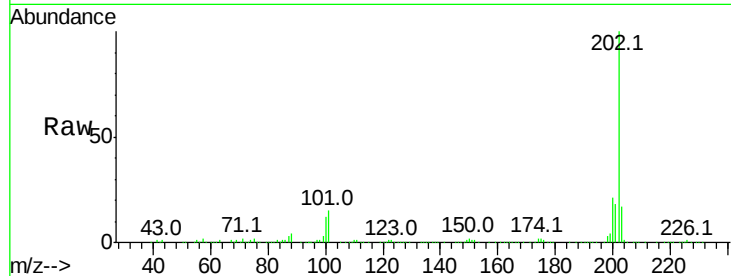
Tot Ion:202 Resp: 256837

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

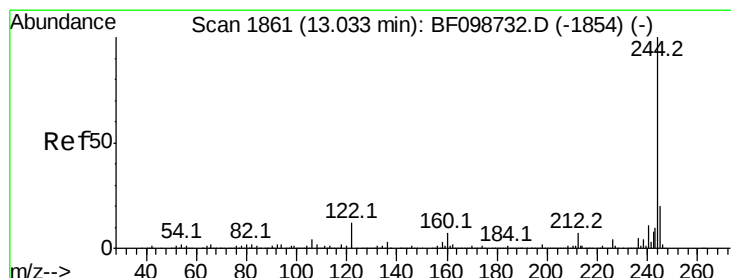
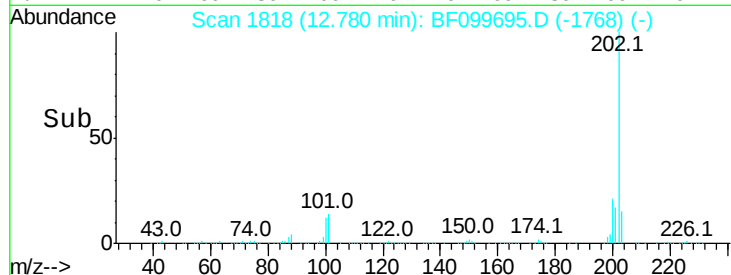
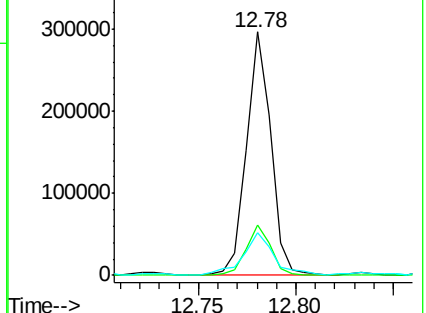
203 17.3 14.3 21.5



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: 13.388 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099695.D

Acq: 20 Oct 2017 12:39

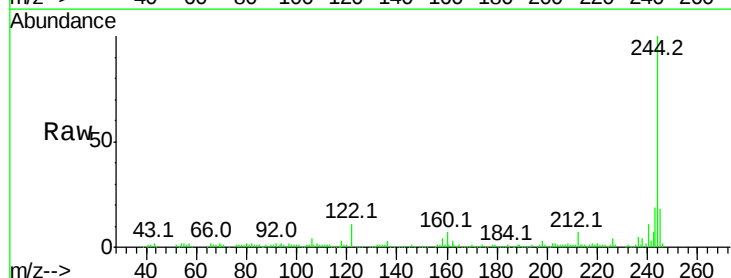
Tgt Ion:244 Resp: 106502

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

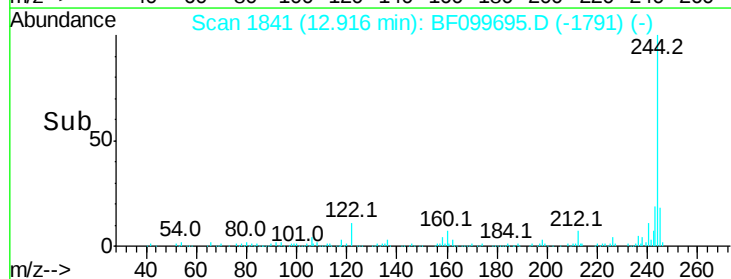
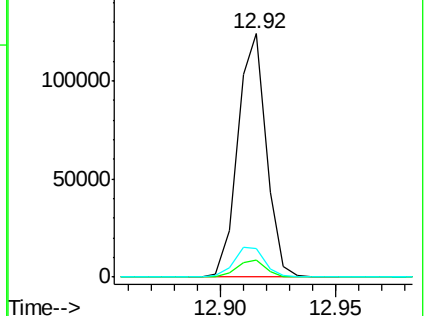
122 11.5 11.0 16.4

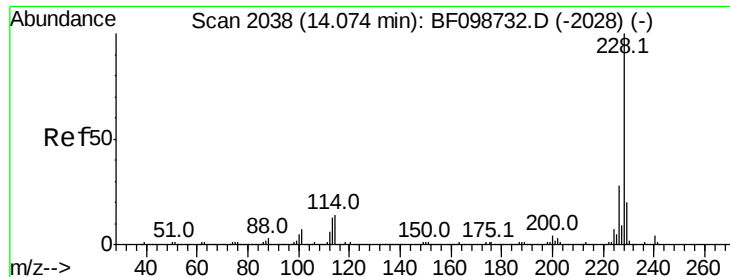


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.932 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF099695.D

Acq: 20 Oct 2017 12:39

Instrument :

BNA_F

ClientSampleId :

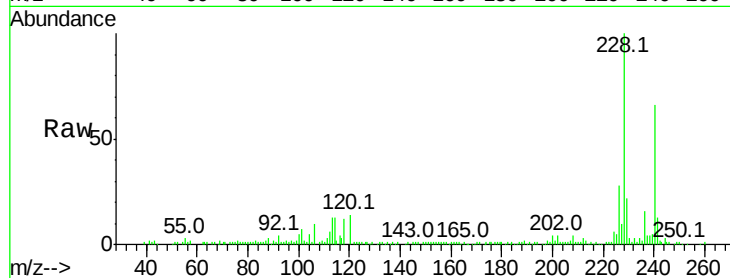
Tot Ion:228 Resp: 75939

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

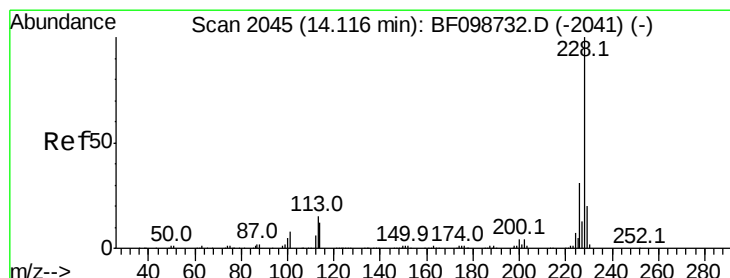
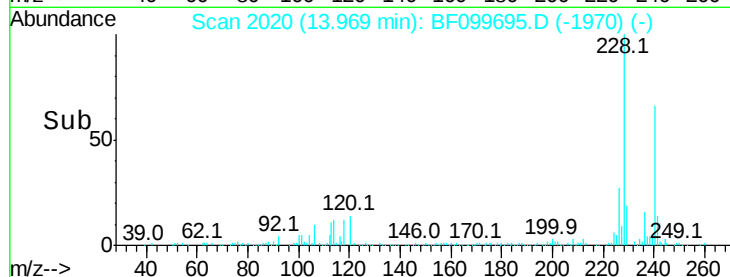
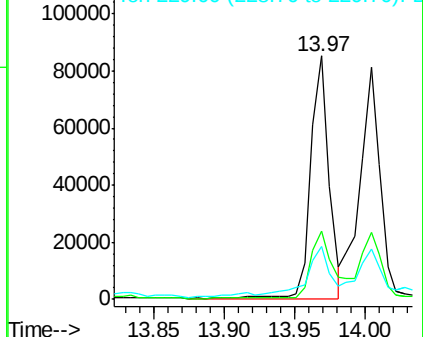
229 21.8 15.8 23.6



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: 7.657 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF099695.D

Acq: 20 Oct 2017 12:39

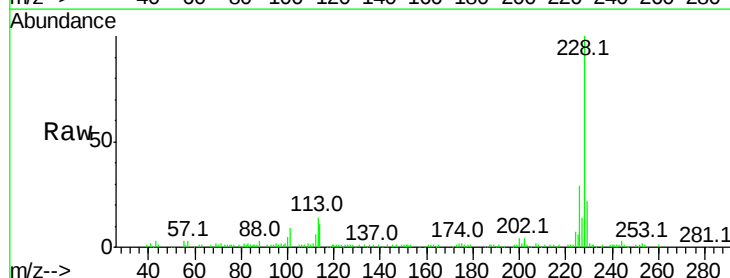
Tgt Ion:228 Resp: 79855

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

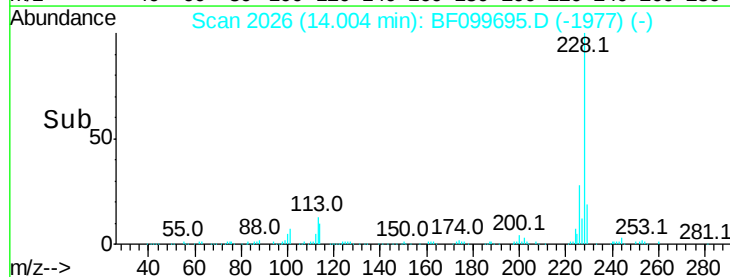
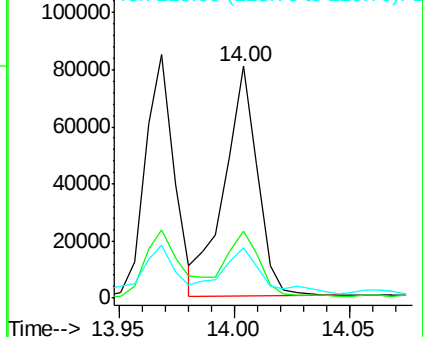
229 21.9 16.2 24.4

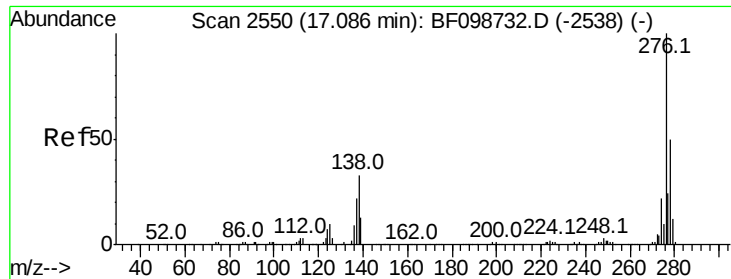


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

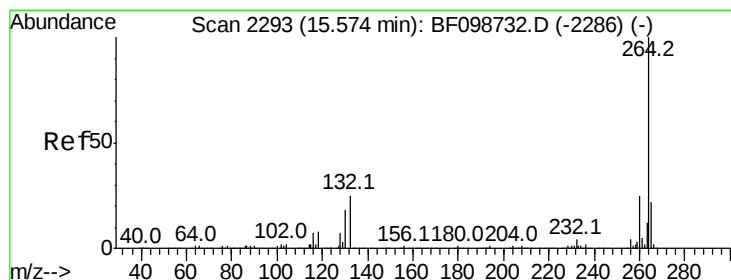
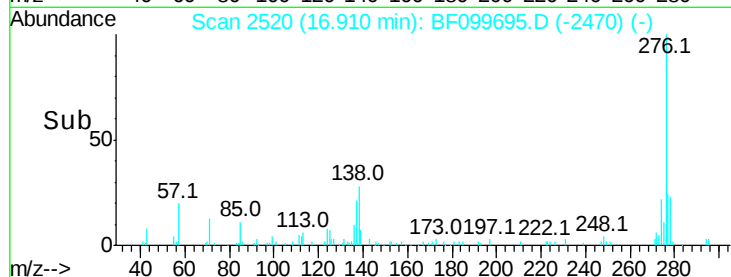
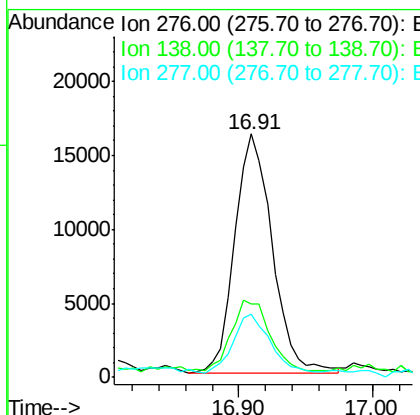
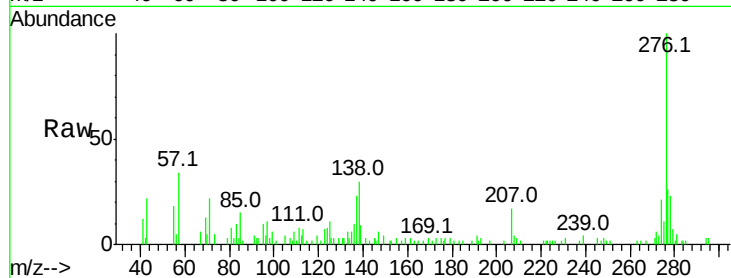




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.766 ng
 RT: 16.91 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BF099695.D
 Acq: 20 Oct 2017 12:39

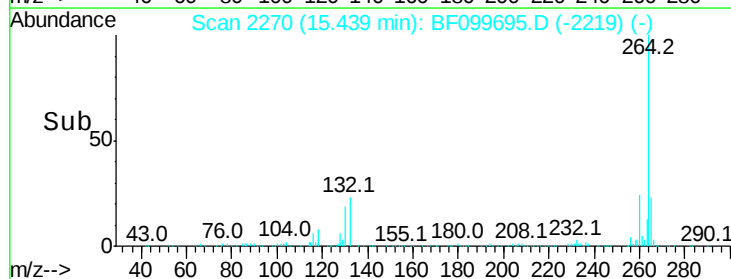
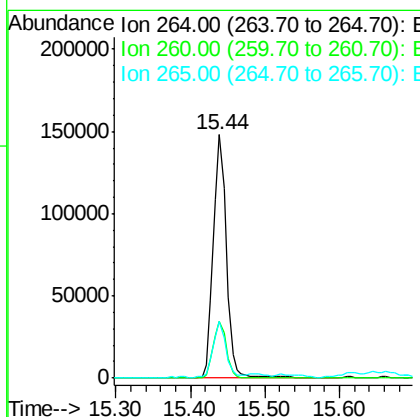
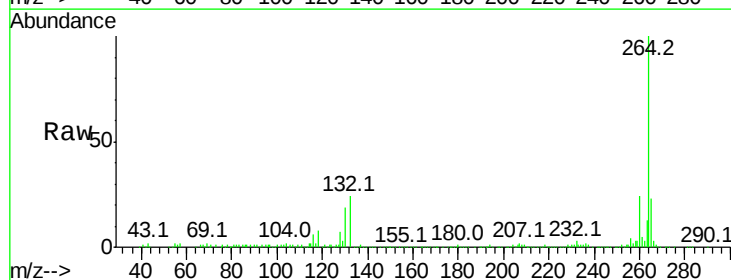
Instrument :
 BNA_F
 ClientSampleId :

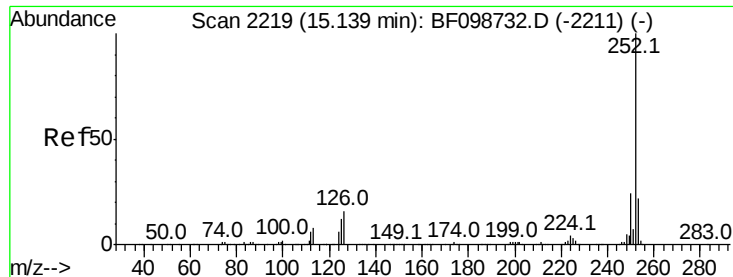
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.5	25.0	37.6
277	23.9	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: BF099695.D
 Acq: 20 Oct 2017 12:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	23.1	17.5	26.3

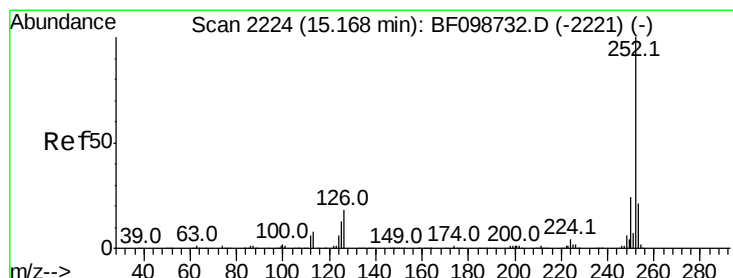
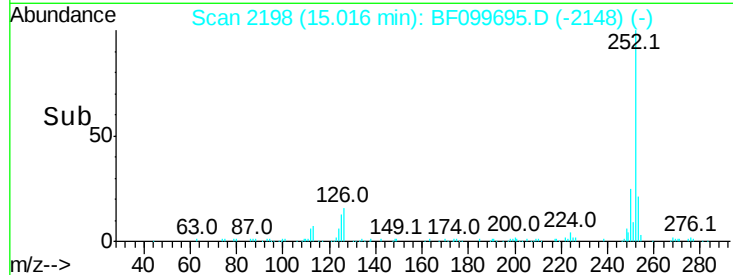
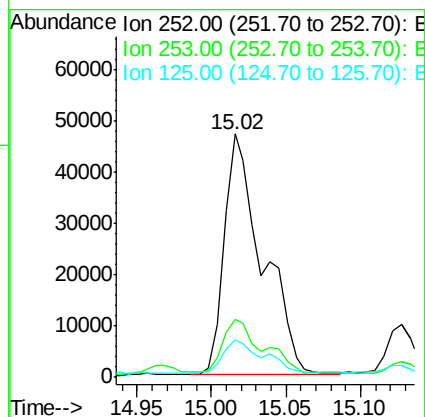
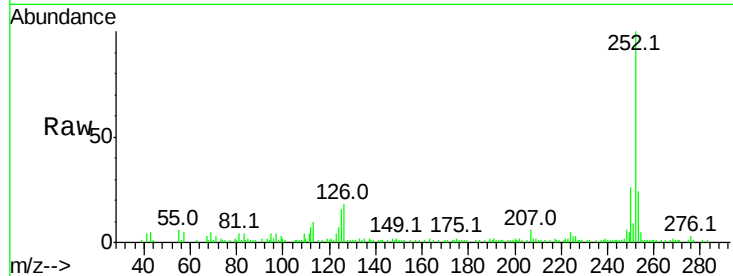




#87
Benzo(b)fluoranthene
Concen: 7.561 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF099695.D
Acq: 20 Oct 2017 12:39

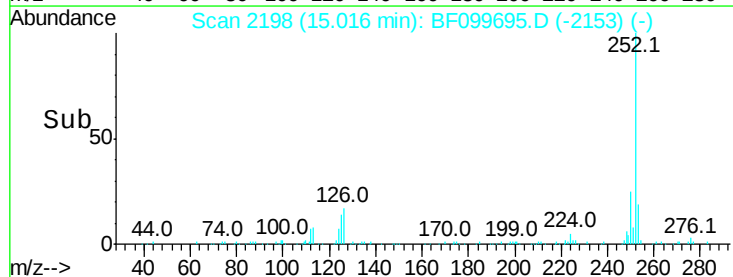
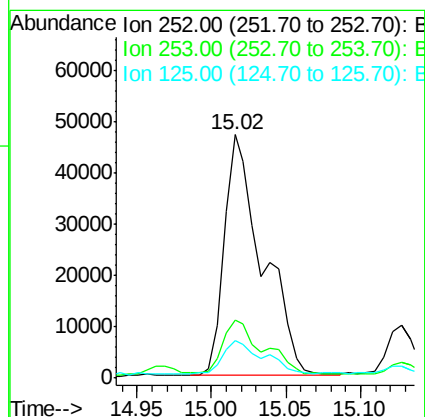
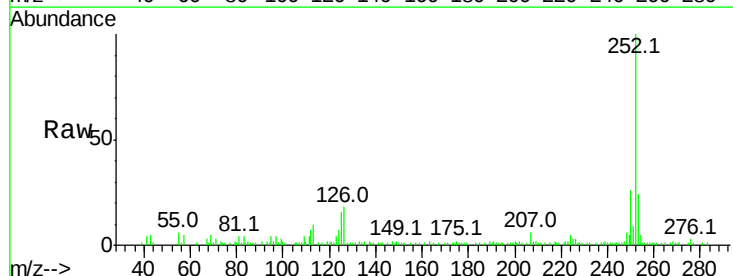
Instrument :
BNA_F
ClientSampleId :

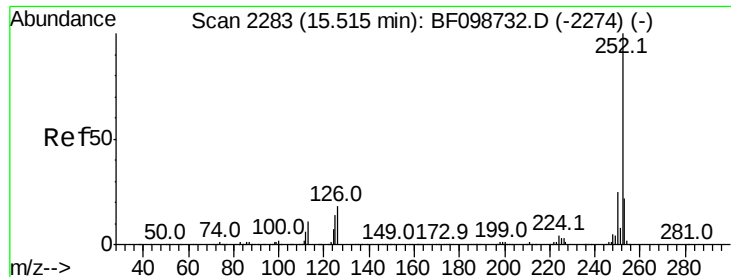
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	15.6	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 7.655 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF099695.D
Acq: 20 Oct 2017 12:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	15.6	10.2	15.2

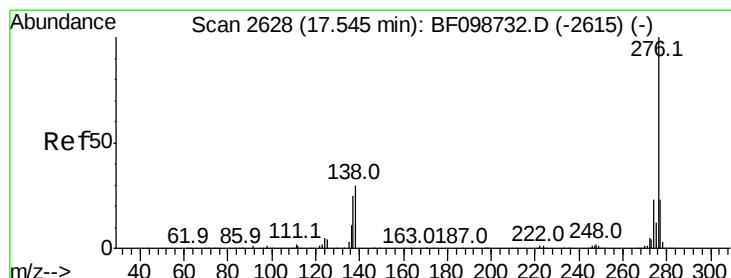
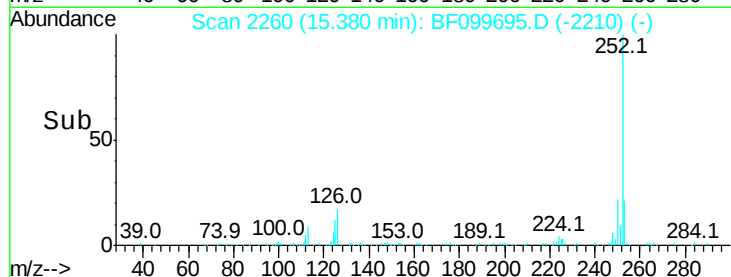
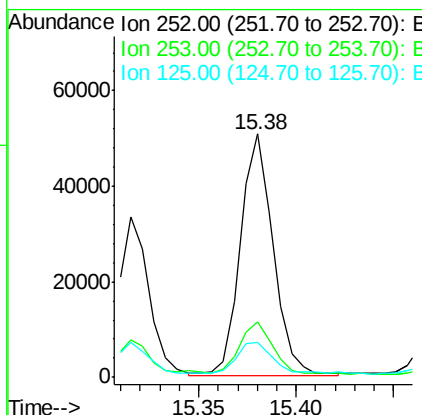
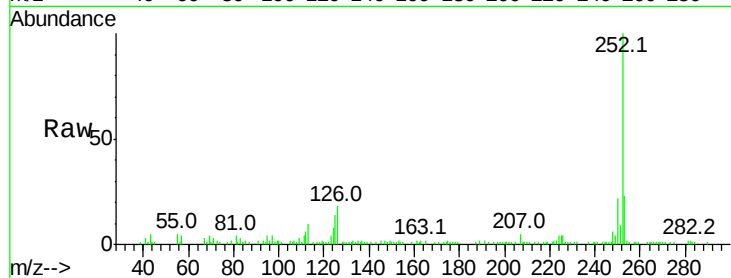




#89
Benzo(a)pyrene
Concen: 5.736 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF099695.D
Acq: 20 Oct 2017 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.4	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 4.250 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.00 min
Lab File: BF099695.D
Acq: 20 Oct 2017 12:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	28.6	21.8	32.8

