

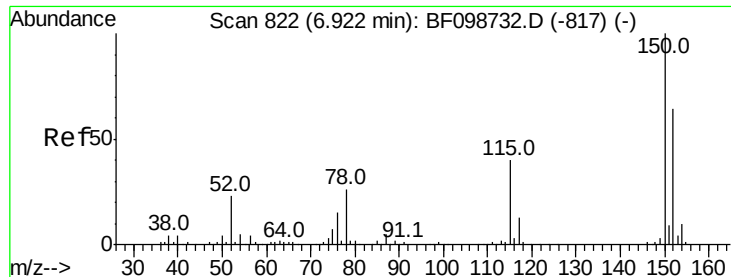
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099718.D
 Acq On : 21 Oct 2017 1:08
 Operator : SJ/JU
 Sample : I5944-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 21 21:28:41 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	88845	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	337306	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	124329	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	185762	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	184146	20.00	ng	0.00
86) Perylene-d12	15.44	264	159704	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	74460	13.34	ng	0.00
7) Phenol-d6	6.45	99	129128	18.76	ng	-0.01
23) Nitrobenzene-d5	7.37	82	76872	14.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	5276	5.19	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	155210	20.84	ng	-0.01
78) Terphenyl-d14	12.92	244	107676	13.30	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	9274	2.110	ng	# 75
25) Isophorone	7.37	82	76872	7.069	ng	# 64
49) Dimethylphthalate	9.56	163	31606	3.368	ng	100
50) 2,6-Dinitrotoluene	9.85	165	16114	7.888	ng	# 24
56) 2,4-Dinitrotoluene	9.85	165	16114	6.078	ng	# 21
70) Phenanthrene	11.36	178	20682	2.080	ng	97
74) Fluoranthene	12.55	202	34950	3.471	ng	98
77) Pyrene	12.78	202	32910	2.344	ng	98
87) Benzo(b)fluoranthene	15.02	252	36407	3.708	ng	# 93
88) Benzo(k)fluoranthene	15.02	252	36407	3.754	ng	# 95

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

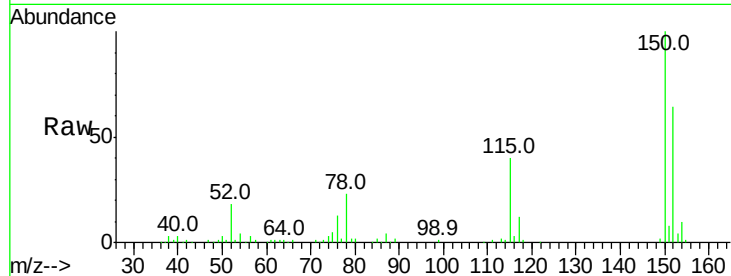


#1

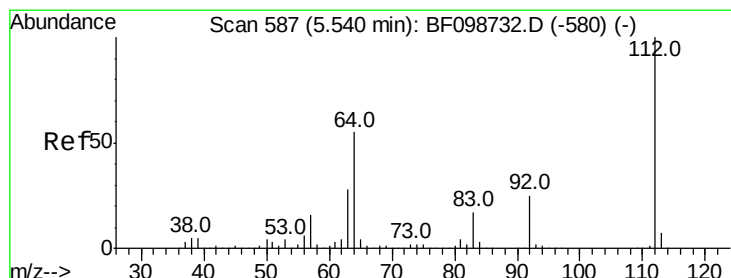
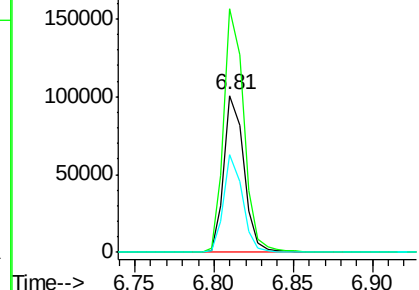
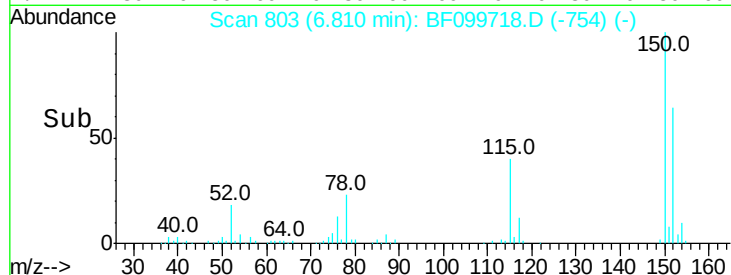
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 88845
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 62.2 50.1 75.1



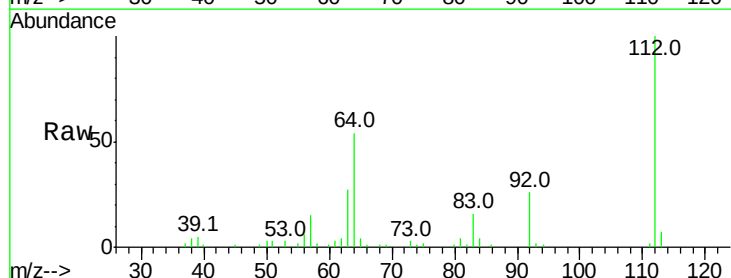
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



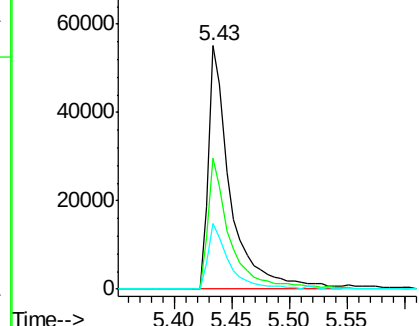
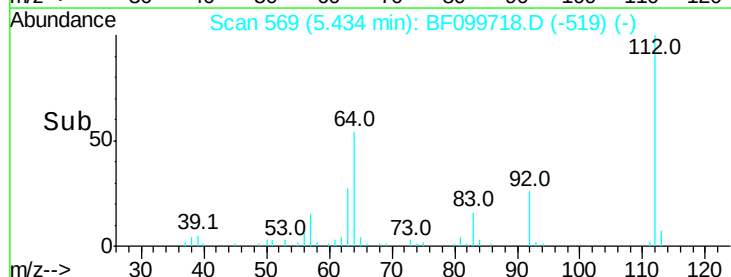
#5

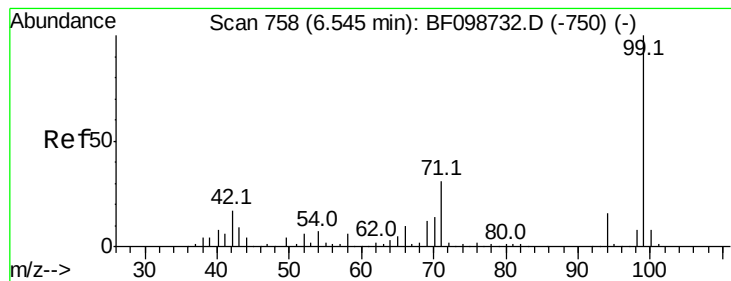
2-Fluorophenol
Concen: 13.342 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

Tgt Ion:112 Resp: 74460
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 26.9 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: 18.755 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099718.D

Acq: 21 Oct 2017 1:08

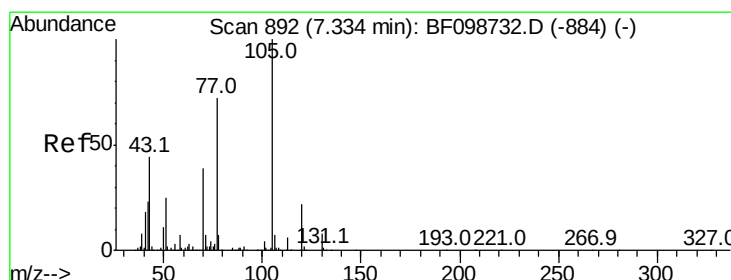
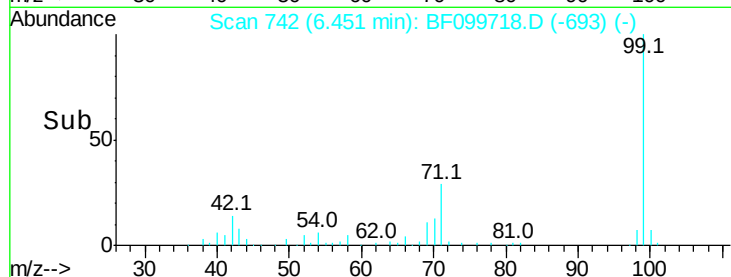
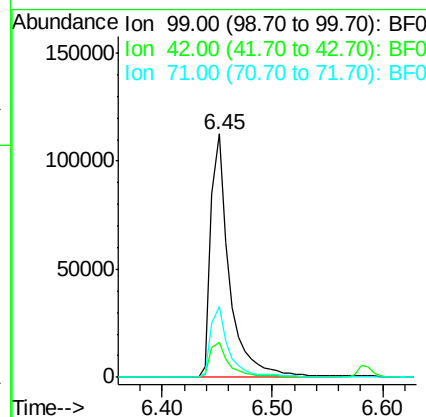
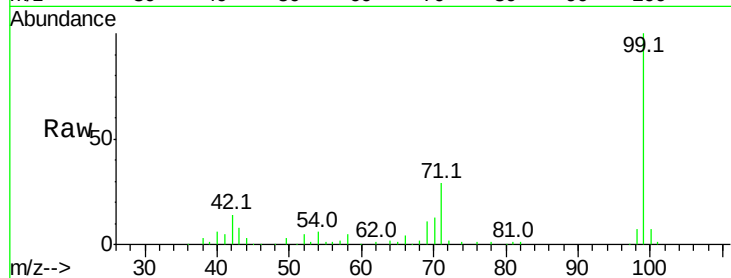
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 129128

Ion	Ratio	Lower	Upper
99	100		
42	14.4	14.5	21.7#
71	28.9	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.110 ng

RT: 7.37 min Scan# 899

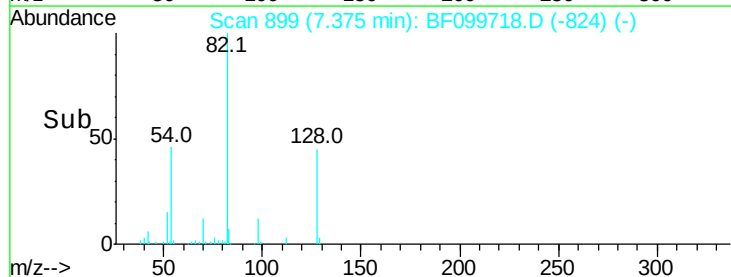
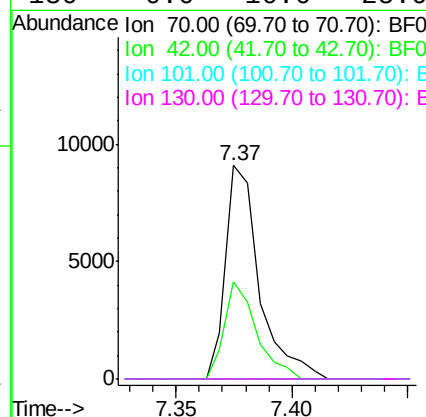
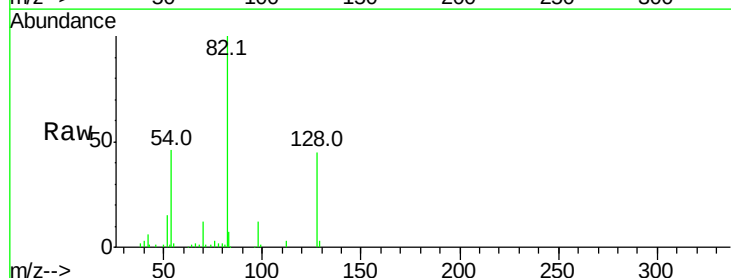
Delta R.T. 0.14 min

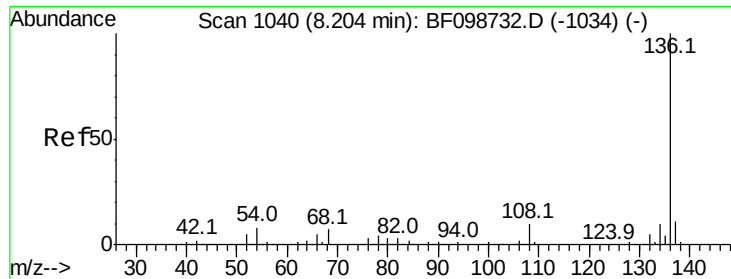
Lab File: BF099718.D

Acq: 21 Oct 2017 1:08

Tgt Ion: 70 Resp: 9274

Ion	Ratio	Lower	Upper
70	100		
42	45.7	47.5	71.3#
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#

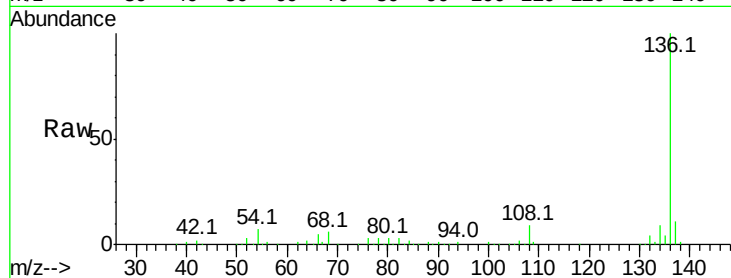




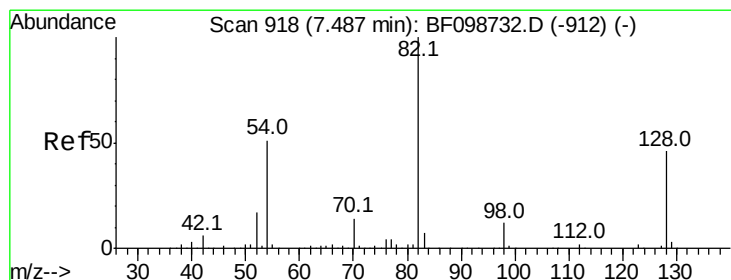
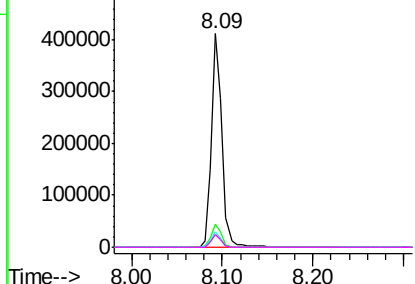
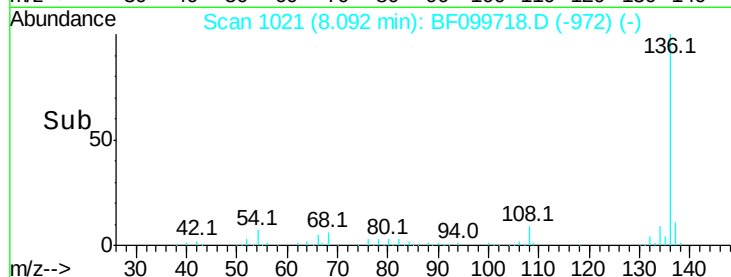
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	337306
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.0	6.6	9.8
68	5.7	5.0	7.4

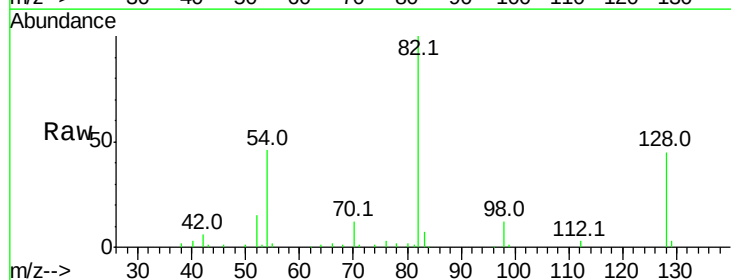


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

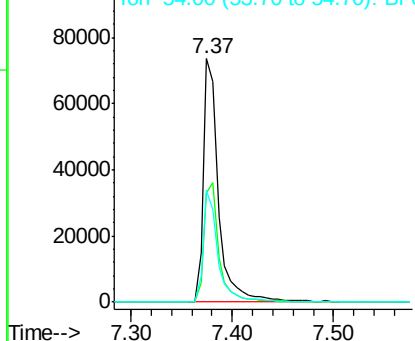
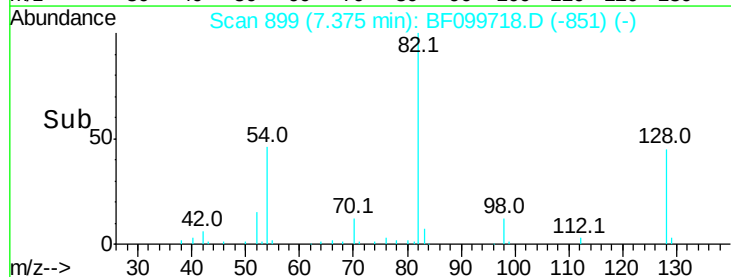


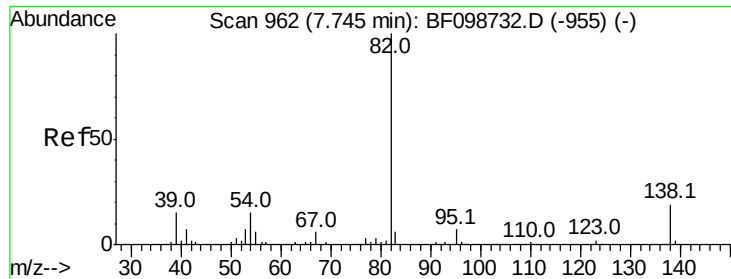
#23
Nitrobenzene-d5
Concen: 14.615 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.02 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

Tgt Ion:	82	Resp:	76872
Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	46.0	41.4	62.2



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





#25

Isophorone

Concen: 7.069 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.27 min

Lab File: BF099718.D

Acq: 21 Oct 2017 1:08

Instrument :

BNA_F

ClientSampleId :

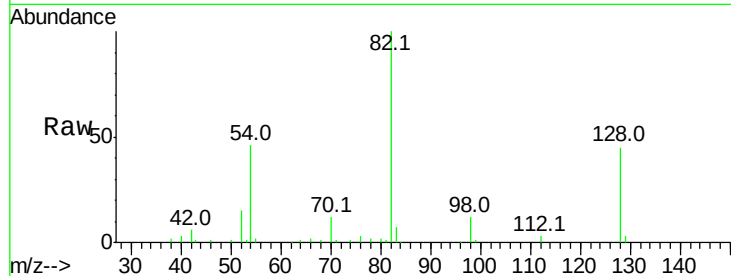
Tot Ion: 82 Resp: 76872

Ion Ratio Lower Upper

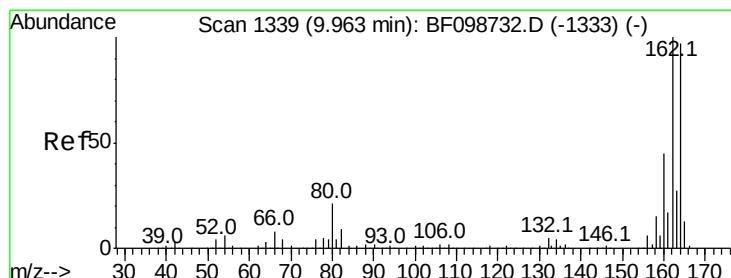
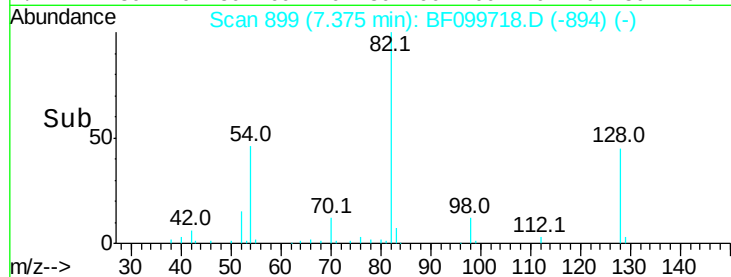
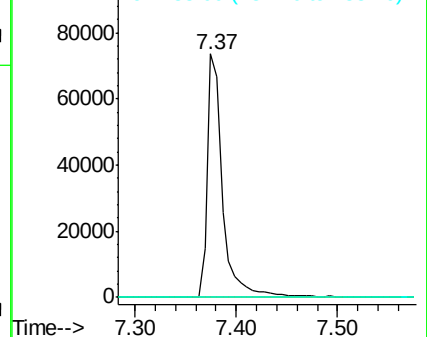
82 100

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: BF099718.D

Acq: 21 Oct 2017 1:08

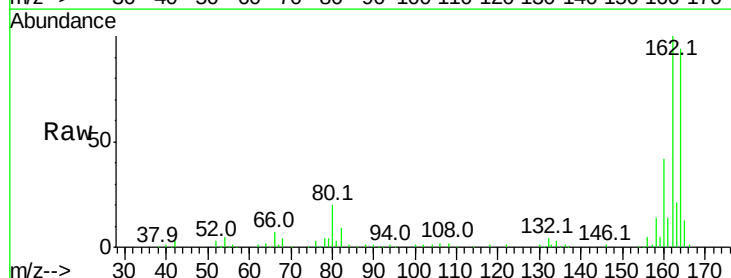
Tgt Ion: 164 Resp: 124329

Ion Ratio Lower Upper

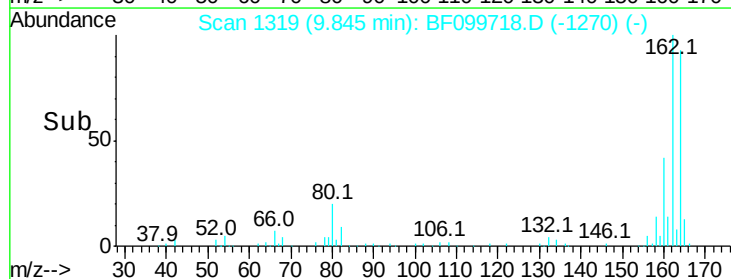
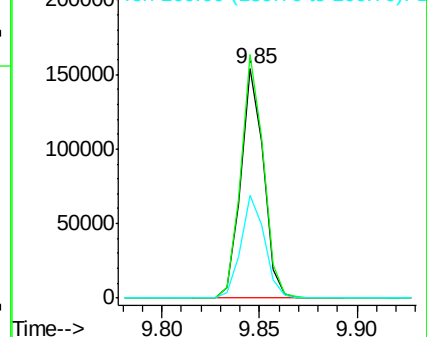
164 100

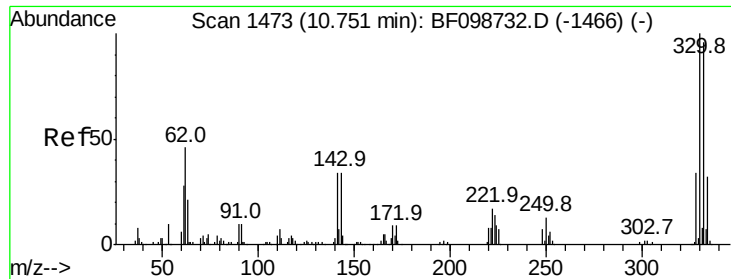
162 106.2 86.1 129.1

160 44.8 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

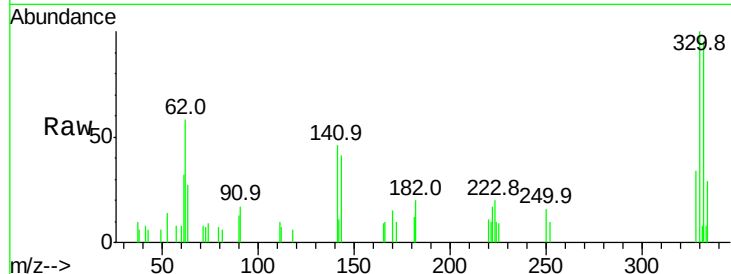




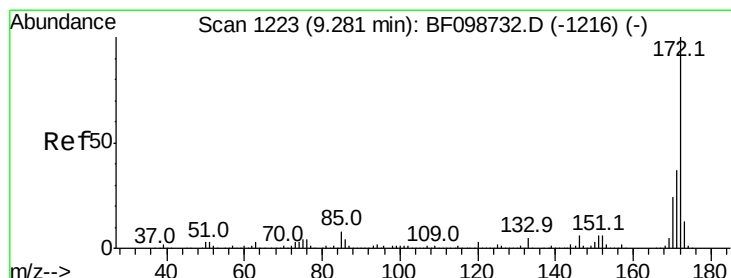
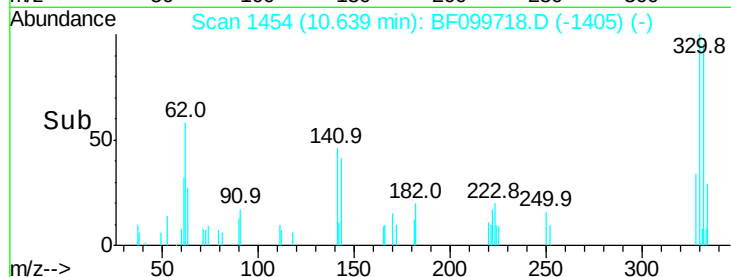
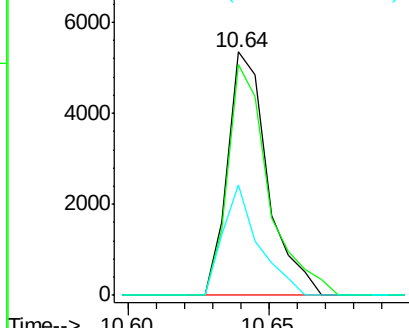
#41
 2,4,6-Tribromophenol
 Concen: 5.186 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF099718.D
 Acq: 21 Oct 2017 1:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 5276
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 40.6 29.9 44.9

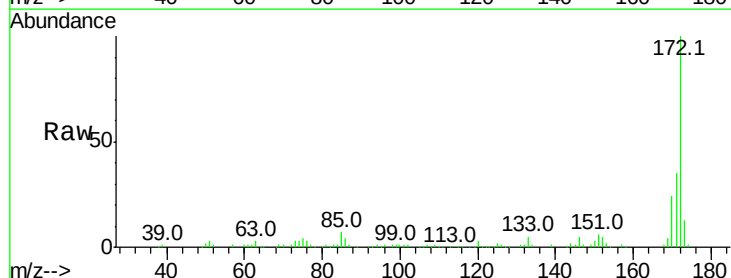


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

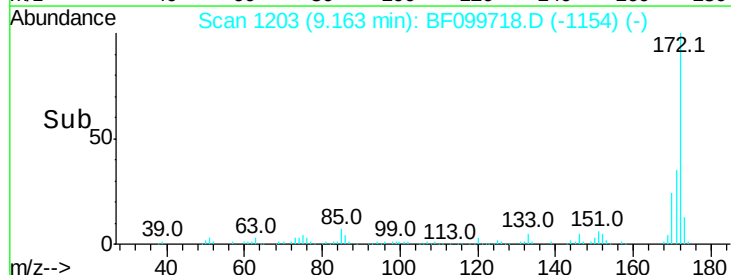
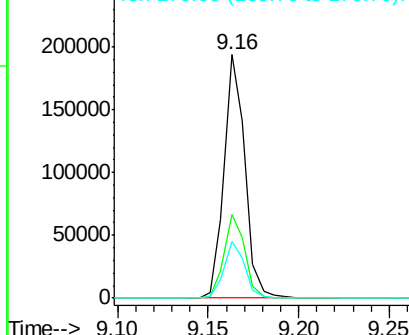


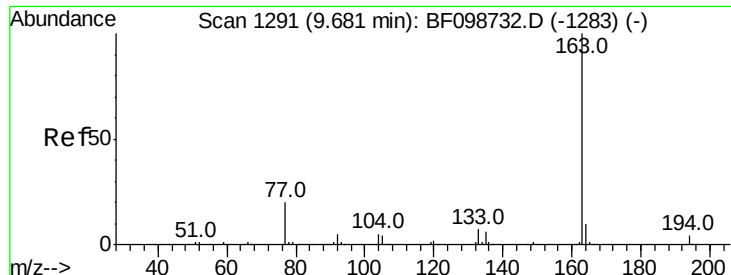
#44
 2-Fluorobiphenyl
 Concen: 20.841 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF099718.D
 Acq: 21 Oct 2017 1:08

Tgt Ion:172 Resp: 155210
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.7 44.5
 170 23.5 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

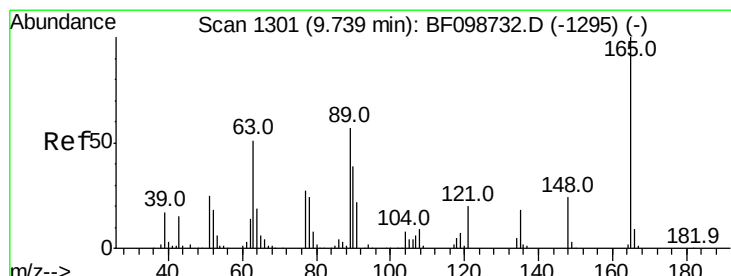
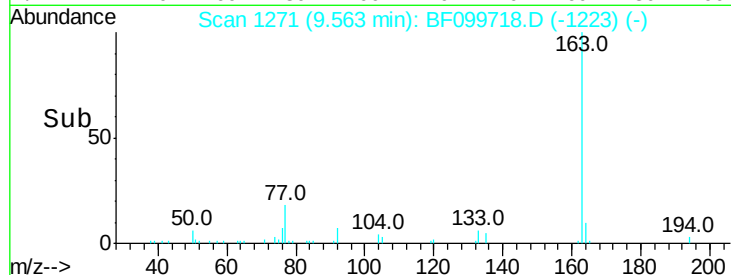
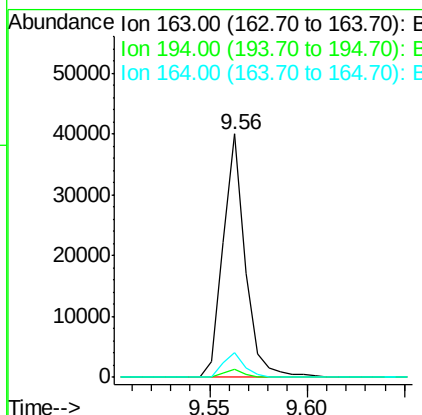
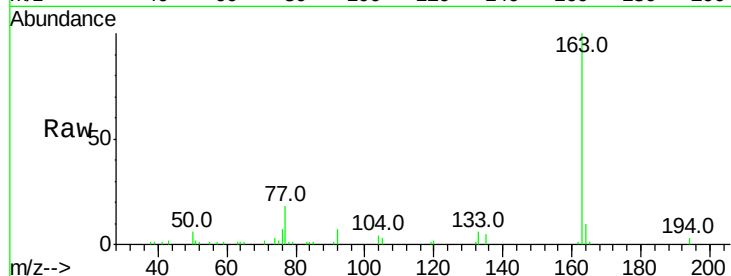




#49
Dimethylphthalate
Concen: 3.368 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

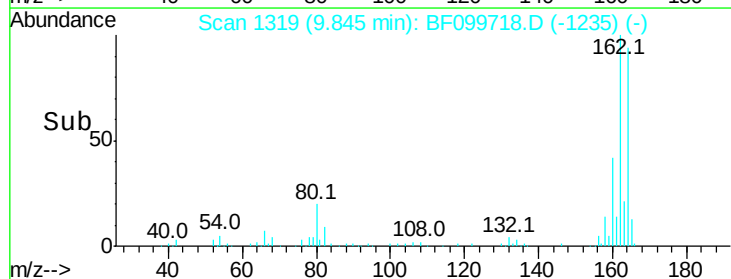
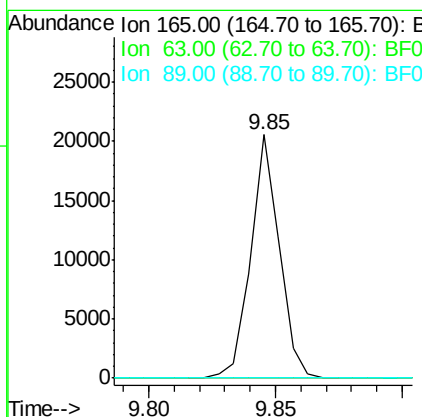
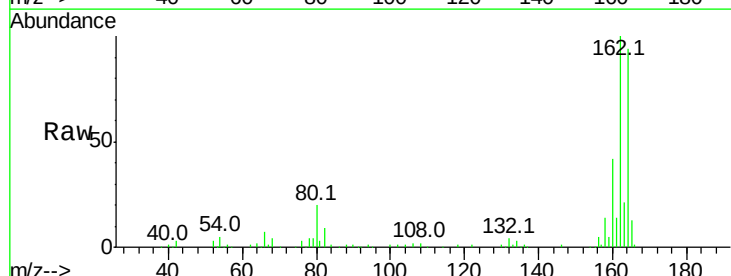
Instrument :
BNA_F
ClientSampleId :

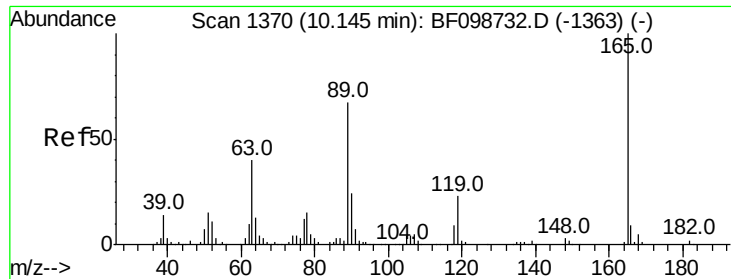
Tot Ion:163 Resp: 31606
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.3 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.888 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.19 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

Tgt Ion:165 Resp: 16114
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

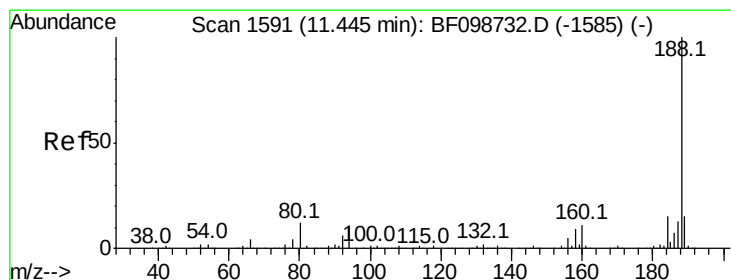
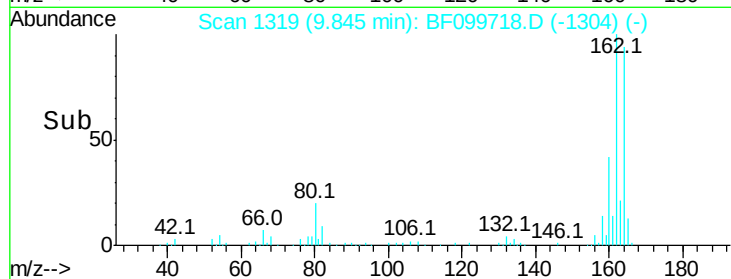
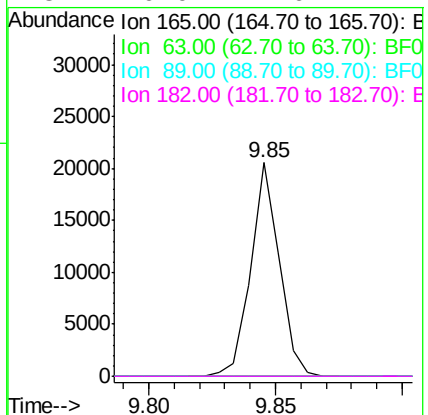
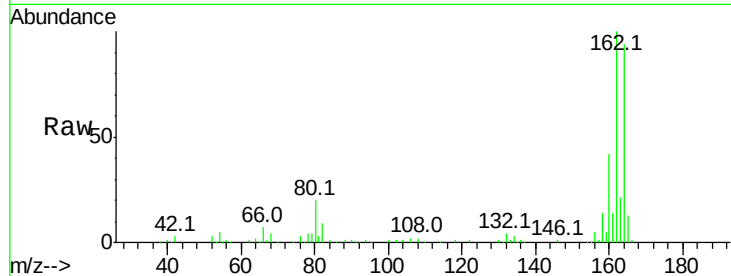




#56
 2,4-Dinitrotoluene
 Concen: 6.078 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF099718.D
 Acq: 21 Oct 2017 1:08

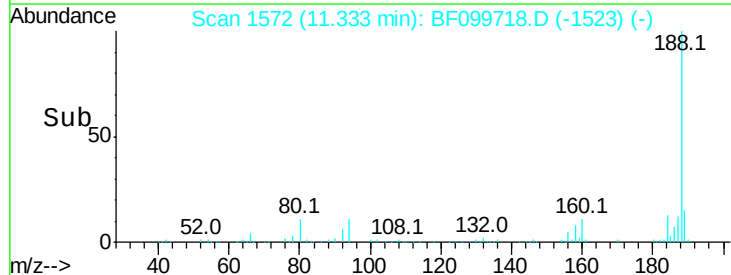
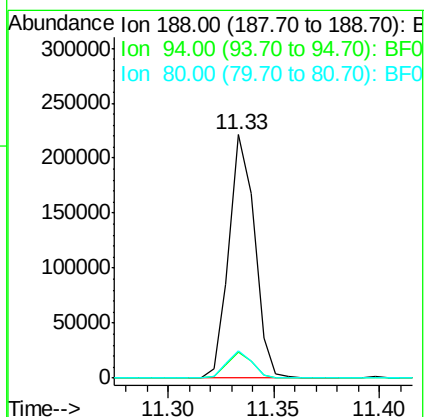
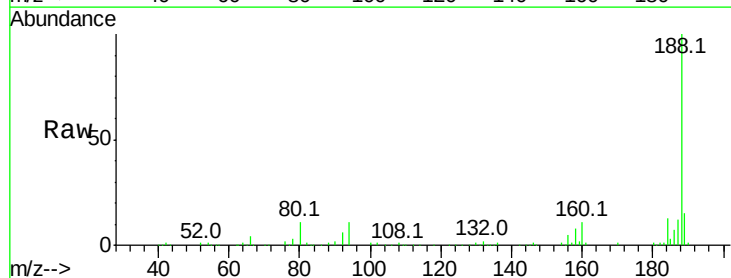
Instrument :
 BNA_F
 ClientSampleId :

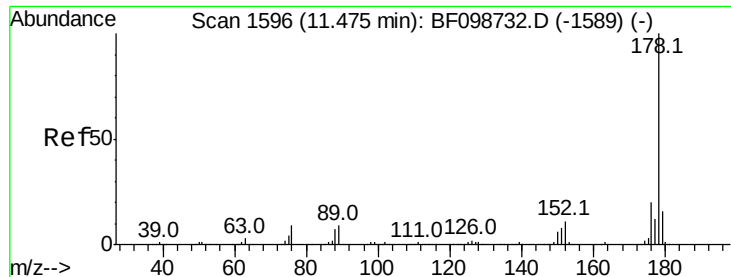
Tot Ion:165	Resp:	16114
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF099718.D
 Acq: 21 Oct 2017 1:08

Tgt Ion:188	Resp:	185762
Ion Ratio	Lower	Upper
188	100	
94	10.8	8.5 12.7
80	11.0	9.2 13.8

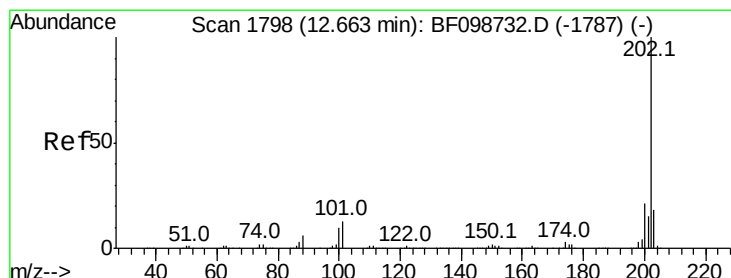
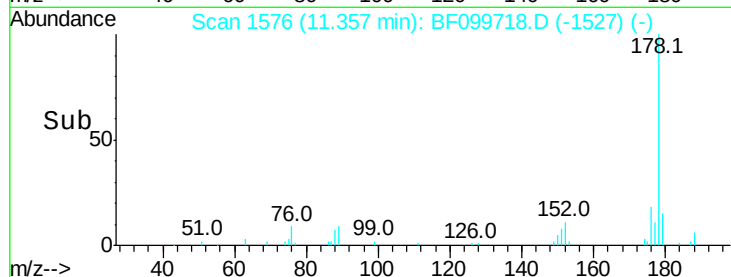
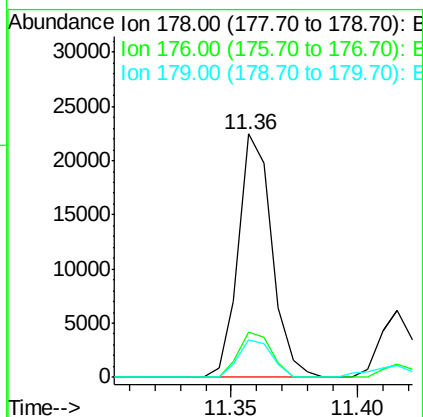
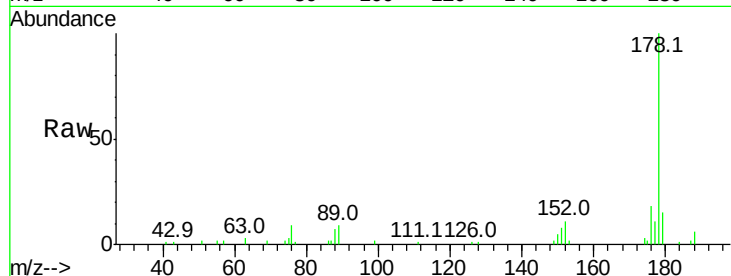




#70
Phenanthrene
Concen: 2.080 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

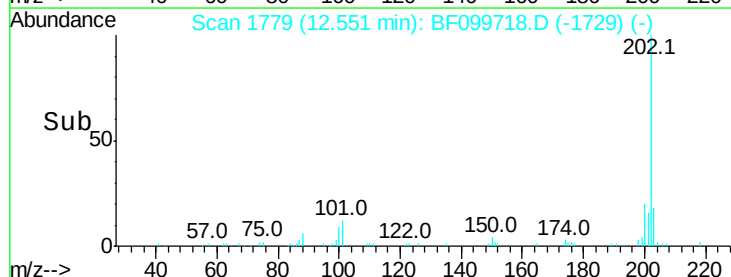
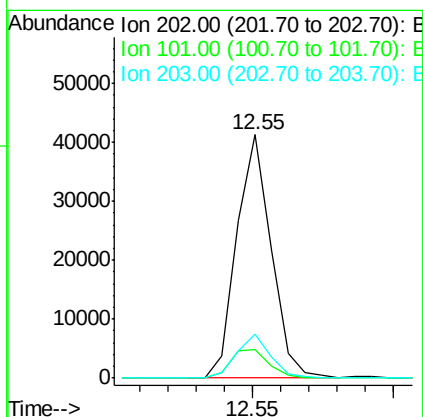
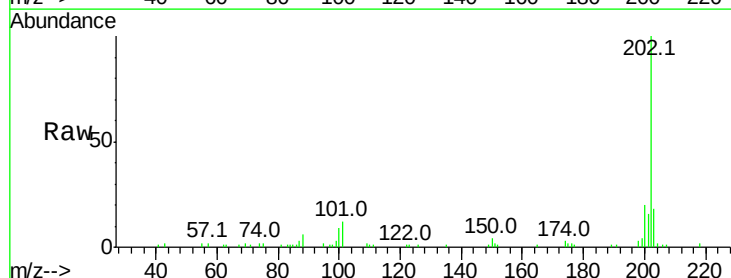
Instrument :
BNA_F
ClientSampleId :

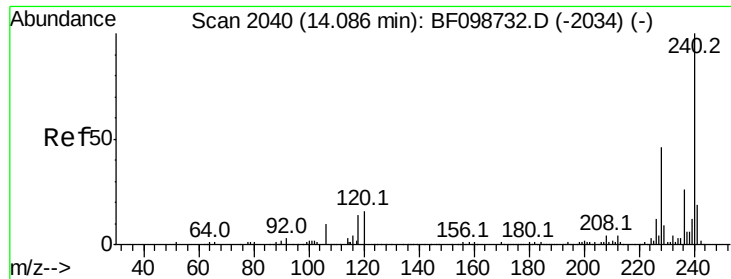
Tot Ion:178 Resp: 20682
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.2 13.0 19.6



#74
Fluoranthene
Concen: 3.471 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

Tgt Ion:202 Resp: 34950
Ion Ratio Lower Upper
202 100
101 12.0 0.0 34.1
203 18.0 0.0 38.1

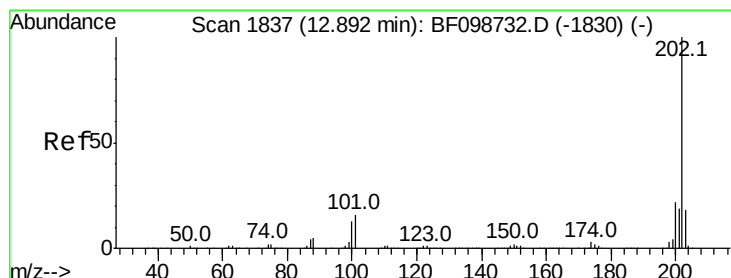
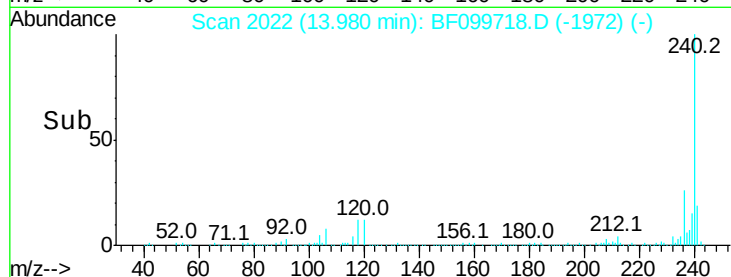
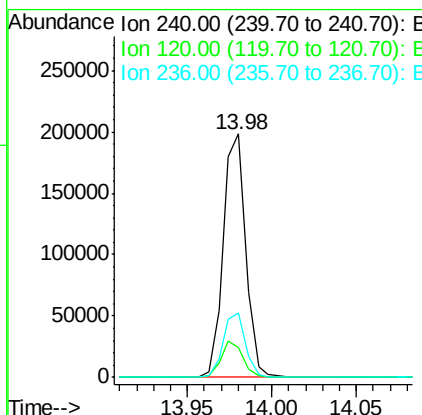
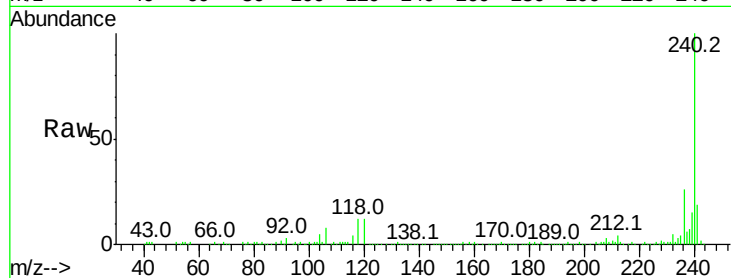




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

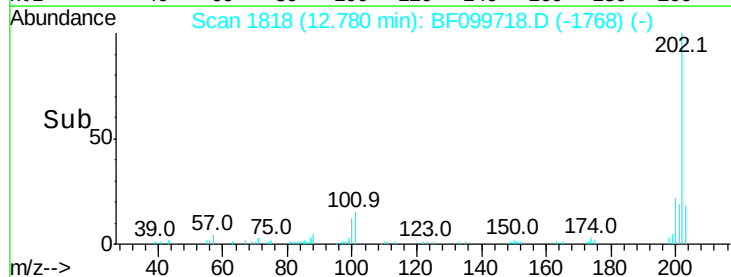
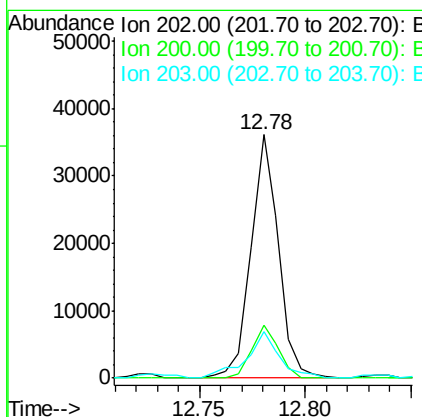
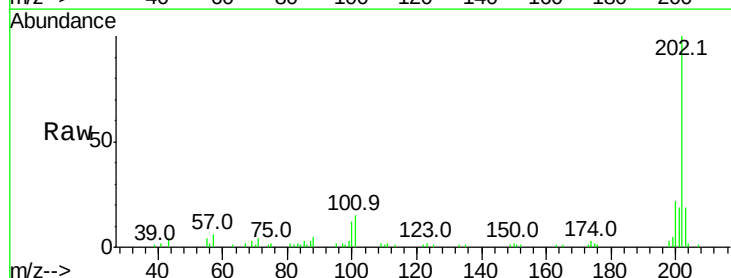
Instrument :
BNA_F
ClientSampleId :

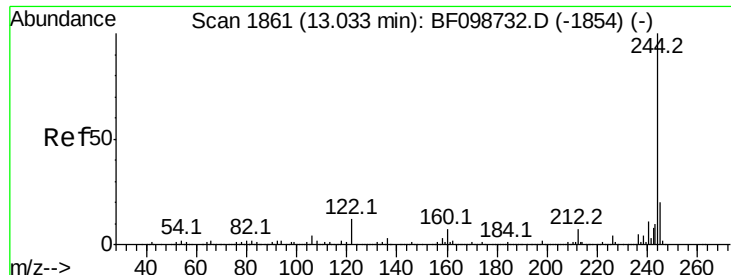
Tot Ion:240 Resp: 184146
Ion Ratio Lower Upper
240 100
120 12.3 9.5 14.3
236 26.5 20.7 31.1



#77
Pyrene
Concen: 2.344 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

Tgt Ion:202 Resp: 32910
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 19.3 14.3 21.5





#78

Terphenyl-d14

Concen: 13.298 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099718.D

Acq: 21 Oct 2017 1:08

Instrument :

BNA_F

ClientSampleId :

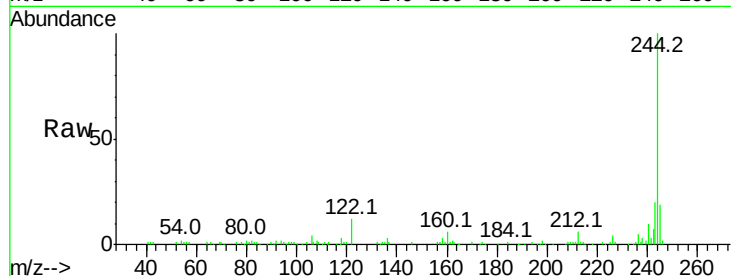
Tot Ion:244 Resp: 107676

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

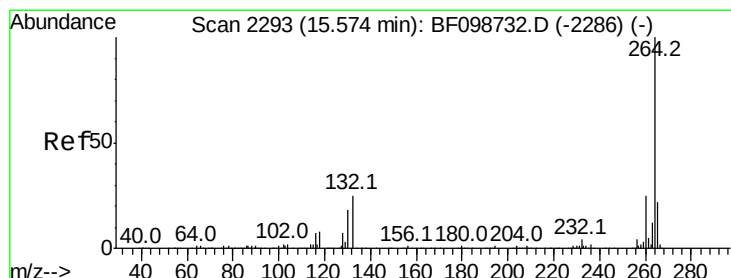
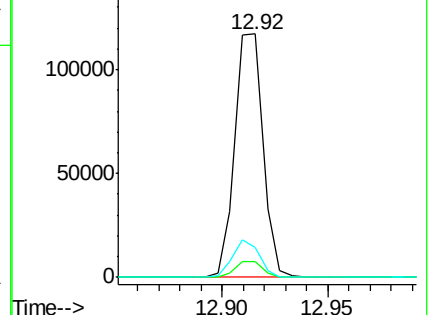
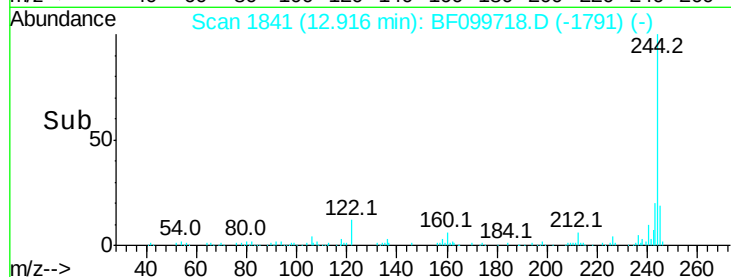
122 12.2 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF099718.D

Acq: 21 Oct 2017 1:08

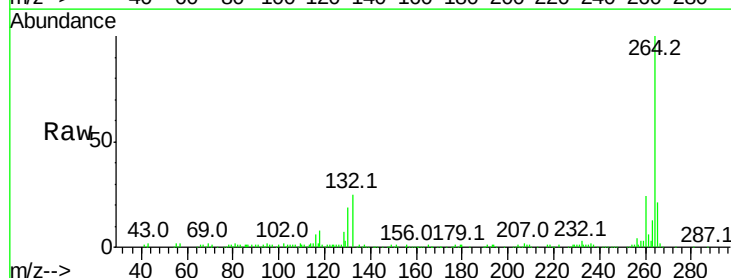
Tgt Ion:264 Resp: 159704

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

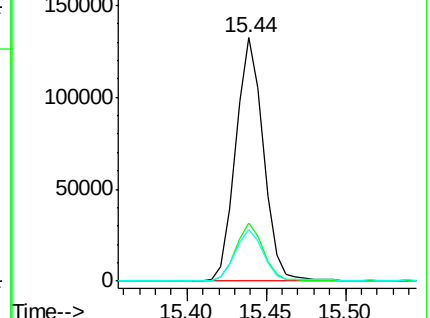
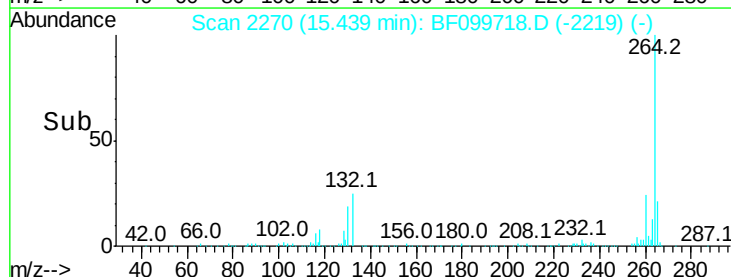
265 21.1 17.5 26.3

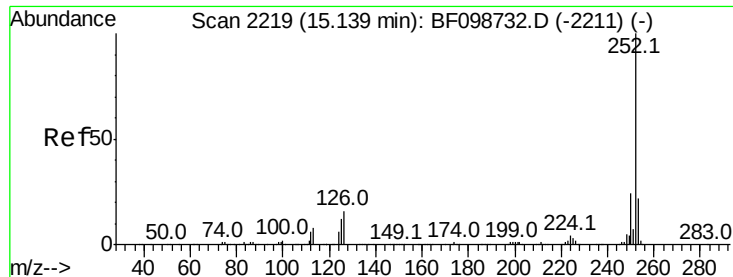


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

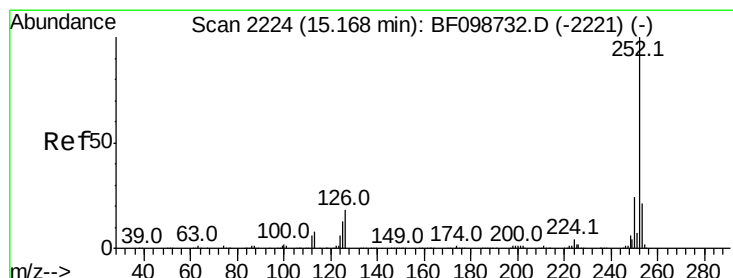
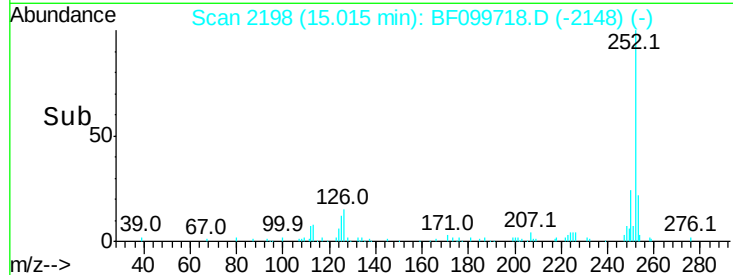
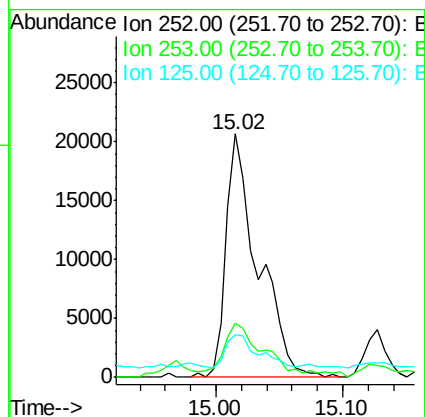
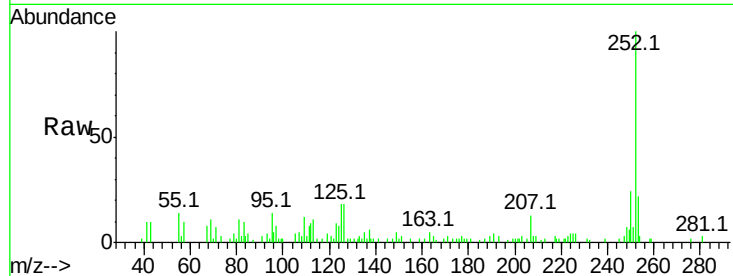




#87
Benzo(b)fluoranthene
Concen: 3.708 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 36407
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 17.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.754 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF099718.D
Acq: 21 Oct 2017 1:08

Tgt Ion:252 Resp: 36407
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 17.7 10.2 15.2#

