

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099706.D
 Acq On : 20 Oct 2017 17:42
 Operator : SJ/JU
 Sample : I5981-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 21 21:24:07 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	95770	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	382809	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	153155	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	209470	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	181611	20.00	ng	0.00
86) Perylene-d12	15.44	264	188951	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	143162	23.80	ng	0.00
7) Phenol-d6	6.45	99	171408	23.10	ng	-0.01
23) Nitrobenzene-d5	7.37	82	93820	15.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	24196	19.31	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	188063	20.50	ng	-0.01
78) Terphenyl-d14	12.91	244	111427	13.95	ng	-0.01

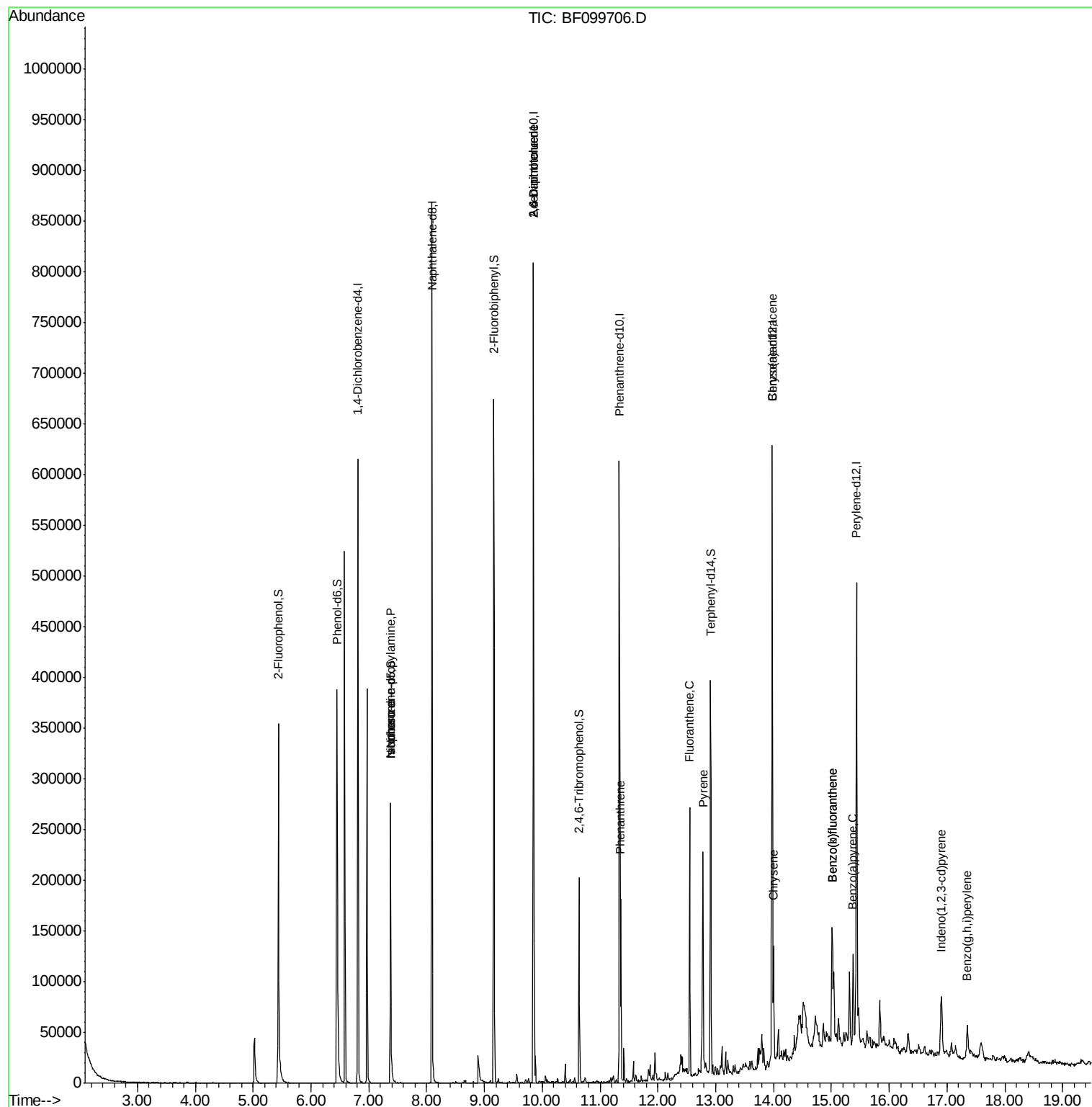
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	11157	2.355	ng	# 75
25) Isophorone	7.37	82	93820	7.602	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	18872	7.499	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	18872	5.778	ng	# 22
70) Phenanthrene	11.36	178	62875	5.608	ng	97
74) Fluoranthene	12.55	202	101660	8.954	ng	96
77) Pyrene	12.78	202	89265	6.446	ng	97
80) Benzo(a)anthracene	13.97	228	45635	4.150	ng	97
82) Chrysene	14.00	228	43288	4.135	ng	99
85) Indeno(1,2,3-cd)pyrene	16.90	276	24518	2.927	ng	99
87) Benzo(b)fluoranthene	15.02	252	79200	6.817	ng	# 95
88) Benzo(k)fluoranthene	15.02	252	79200	6.902	ng	98
89) Benzo(a)pyrene	15.38	252	41988	3.937	ng	95
91) Benzo(a,h,i)perylene	17.35	276	22477	2.664	ng	95

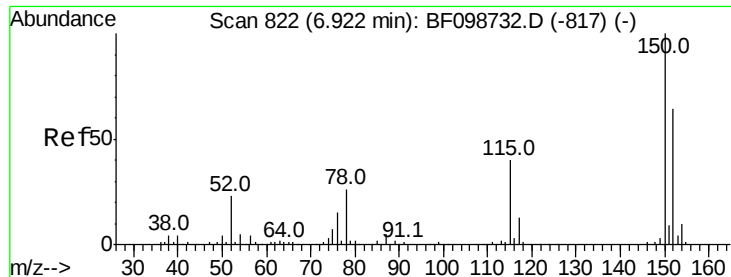
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099706.D
Acq On : 20 Oct 2017 17:42
Operator : SJ/JU
Sample : I5981-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 21 21:24:07 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



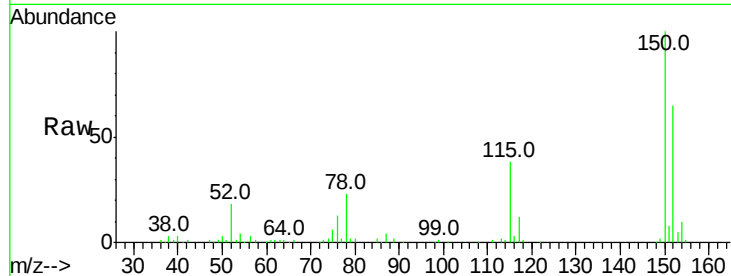


#1

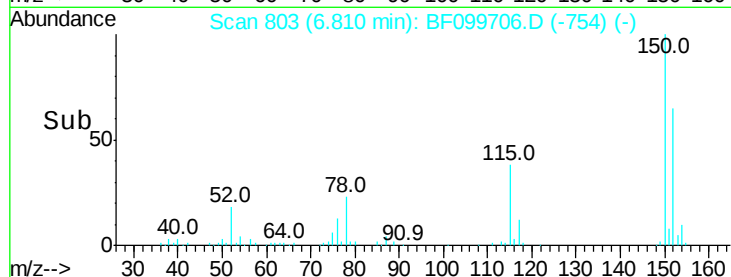
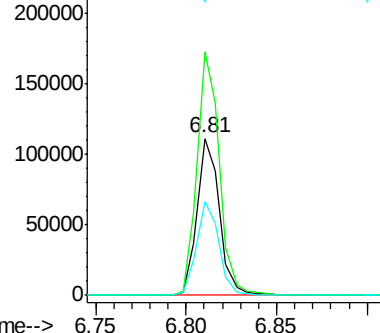
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 95770
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 59.5 50.1 75.1



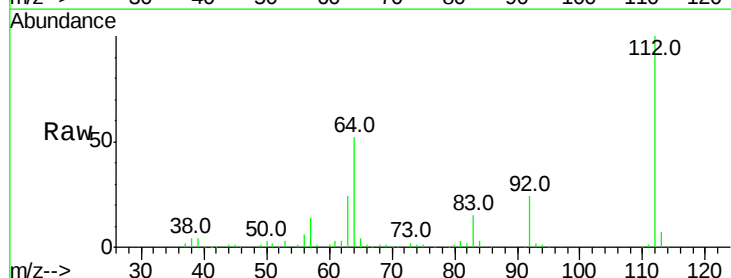
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



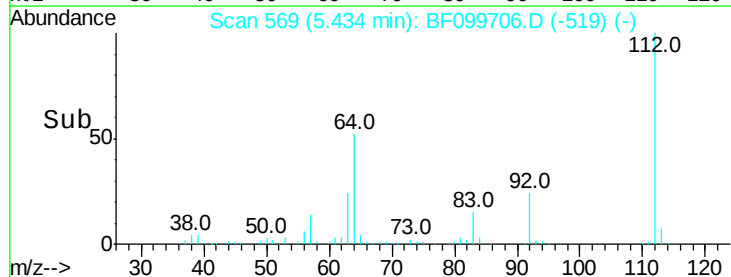
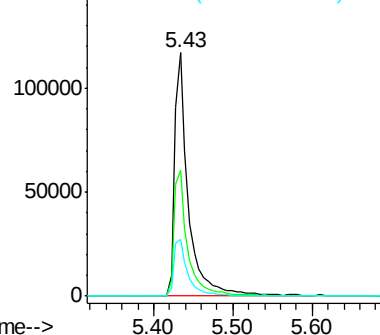
#5

2-Fluorophenol
Concen: 23.797 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Tgt Ion:112 Resp: 143162
Ion Ratio Lower Upper
112 100
64 51.8 47.9 71.9
63 23.6 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: 23.096 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Instrument :

BNA_F

ClientSampleId :

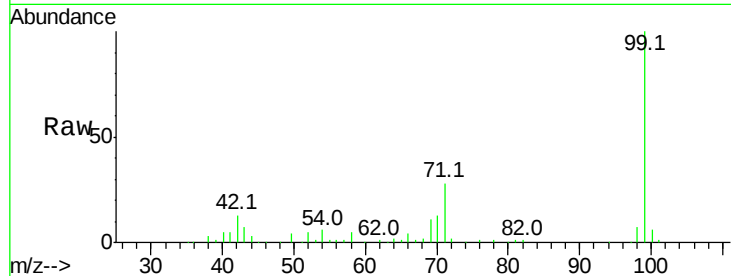
Tot Ion: 99 Resp: 171408

Ion Ratio Lower Upper

99 100

42 13.0 14.5 21.7#

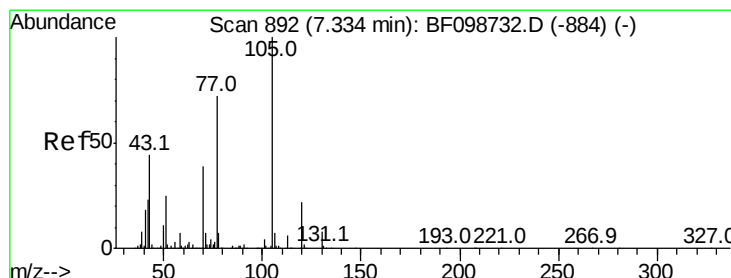
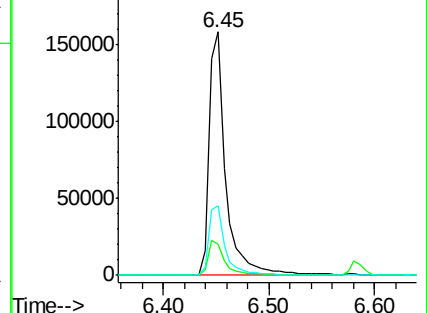
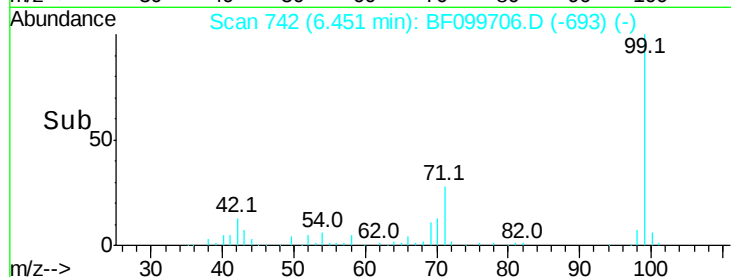
71 28.4 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.355 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Tgt Ion: 70 Resp: 11157

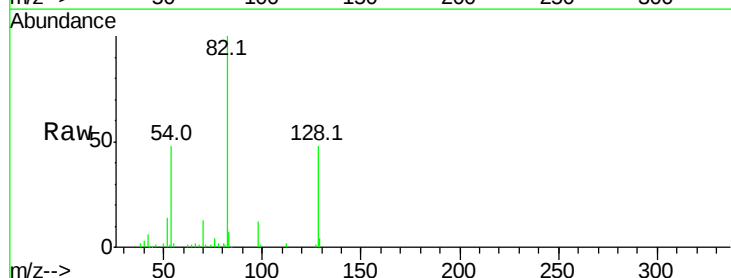
Ion Ratio Lower Upper

70 100

42 46.0 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

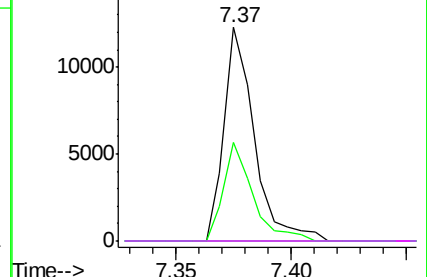
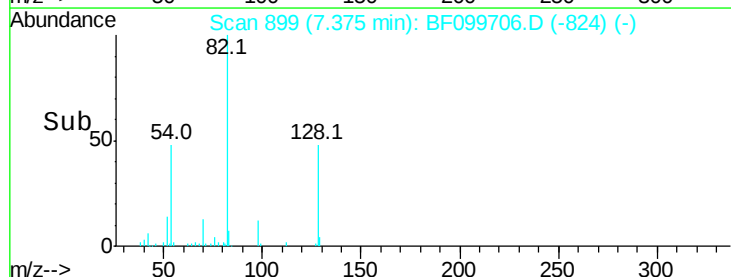


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

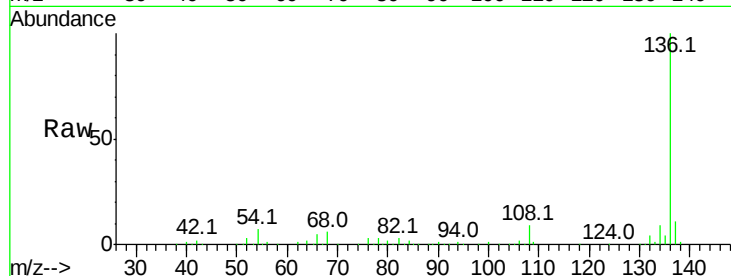




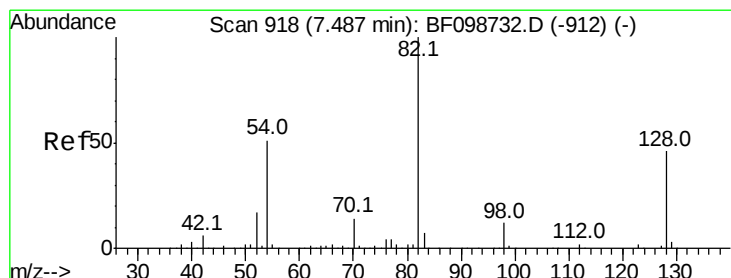
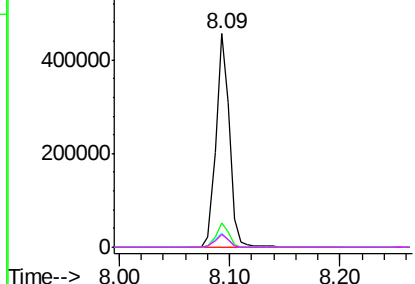
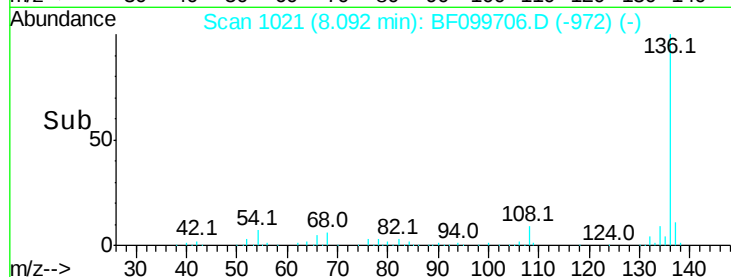
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	382809
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	6.8	6.6	9.8
68	5.8	5.0	7.4

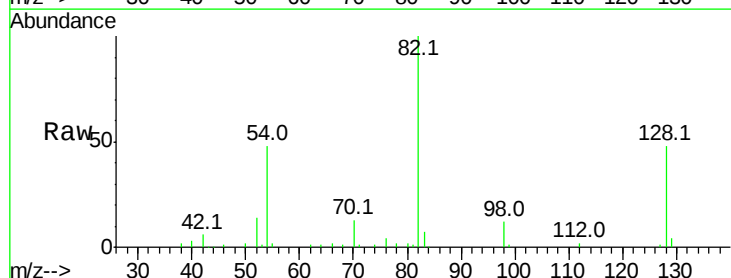


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

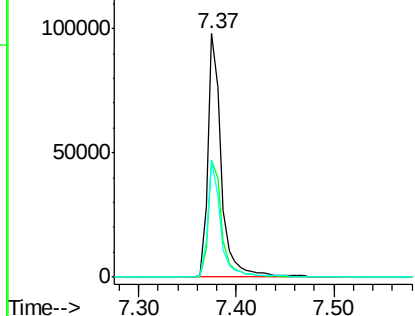
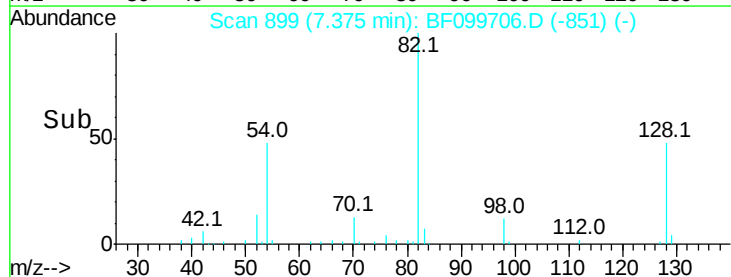


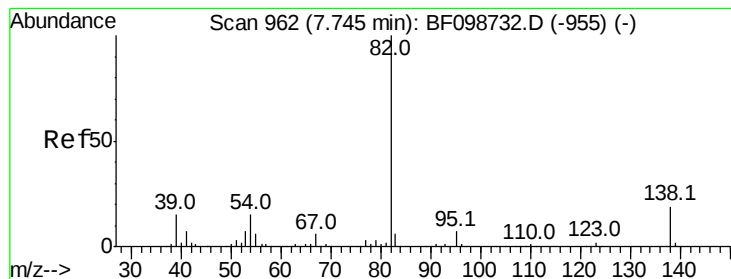
#23
Nitrobenzene-d5
Concen: 15.717 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.02 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Tgt Ion:	82	Resp:	93820
Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.1	54.1
54	48.3	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: 7.602 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.27 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Instrument :

BNA_F

ClientSampleId :

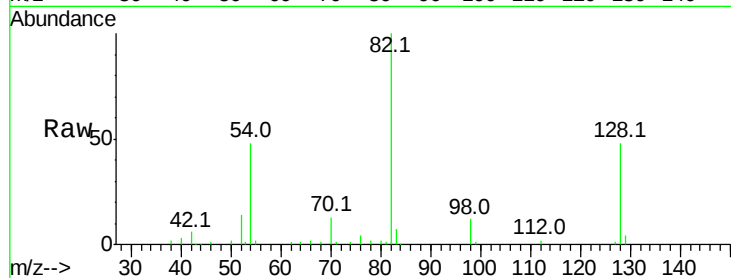
Tot Ion: 82 Resp: 93820

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

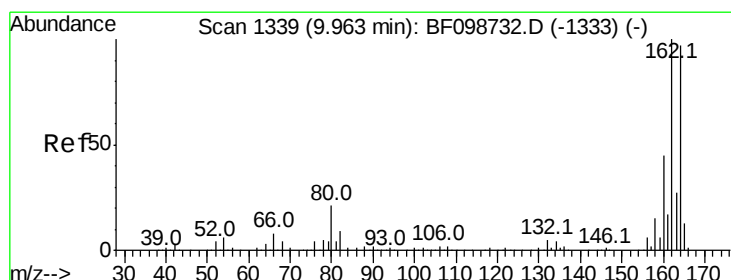
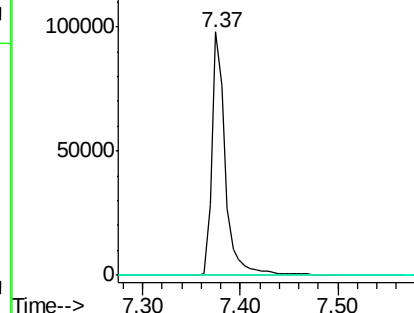
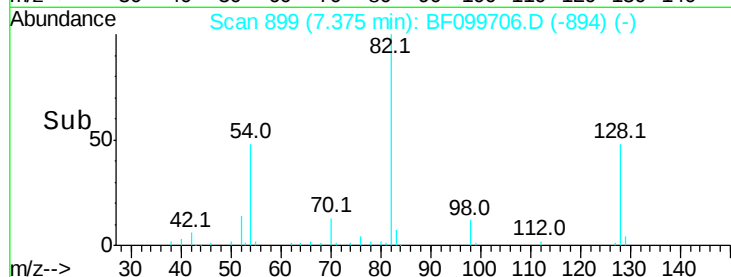
138 0.0 14.9 22.3#



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: BF099706.D

Acq: 20 Oct 2017 17:42

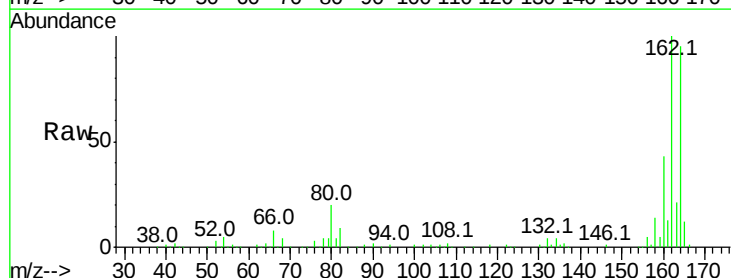
Tgt Ion:164 Resp: 153155

Ion Ratio Lower Upper

164 100

162 104.8 86.1 129.1

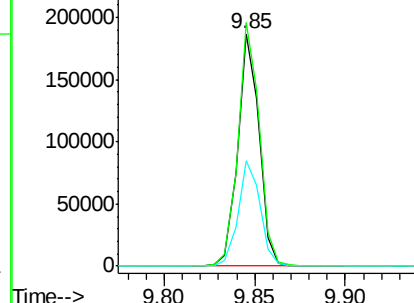
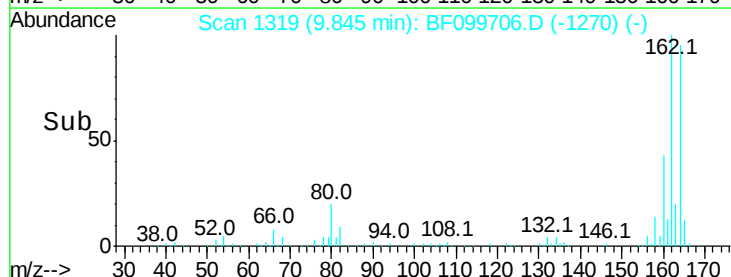
160 45.5 38.3 57.5

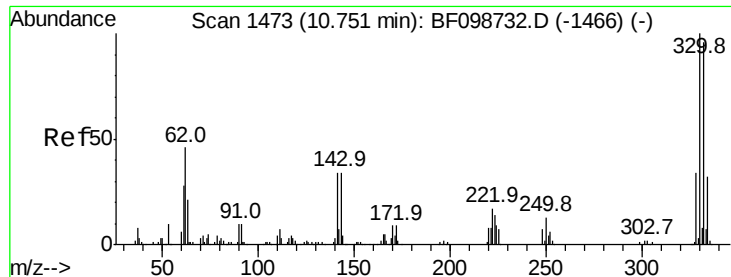


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

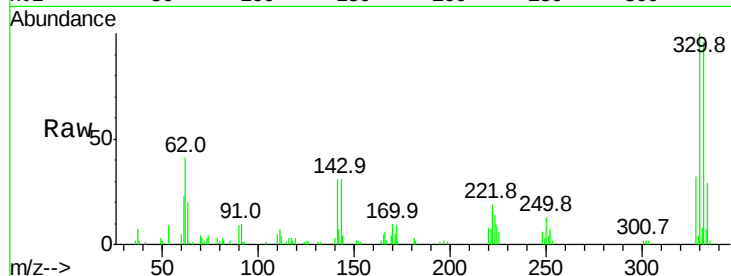




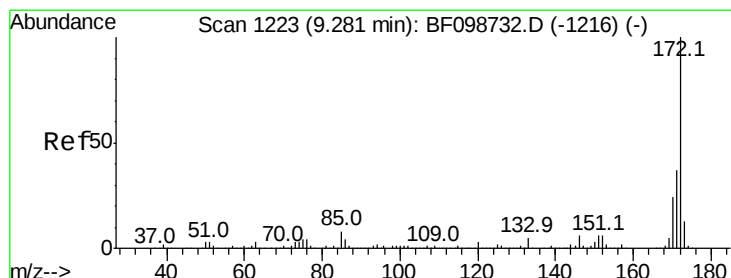
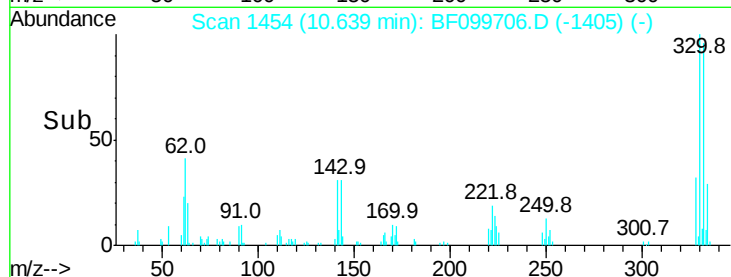
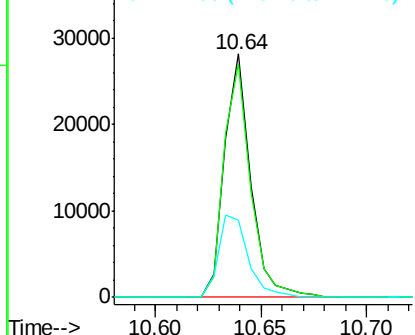
#41
 2,4,6-Tribromophenol
 Concen: 19.307 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF099706.D
 Acq: 20 Oct 2017 17:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	38.4	29.9	44.9

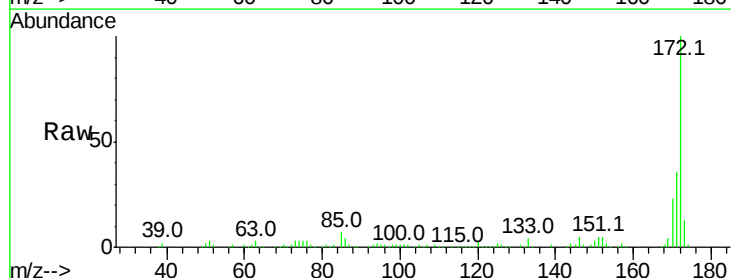


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

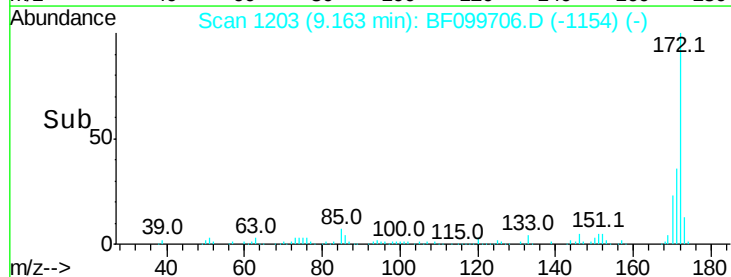
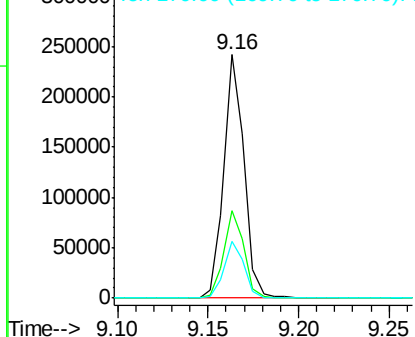


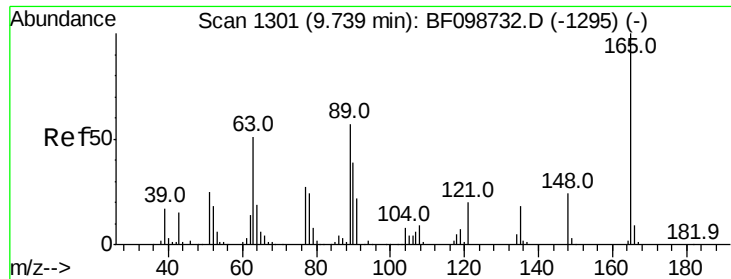
#44
 2-Fluorobiphenyl
 Concen: 20.499 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF099706.D
 Acq: 20 Oct 2017 17:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.3	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

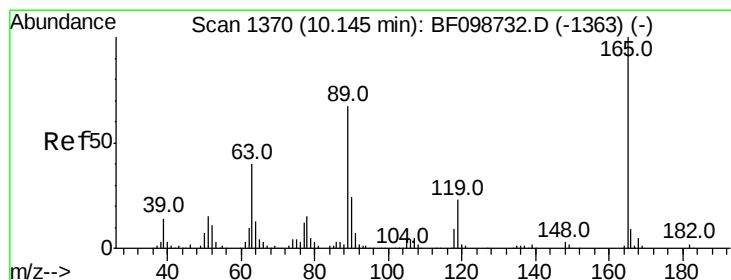
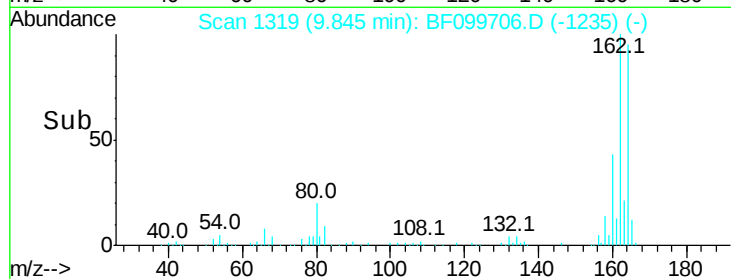
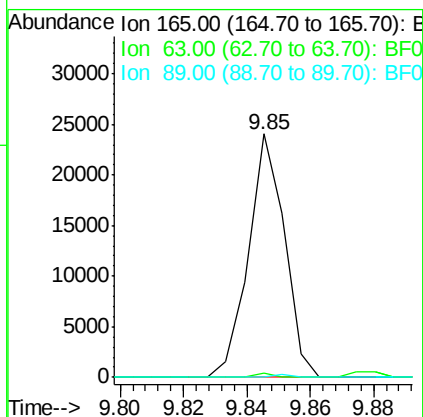
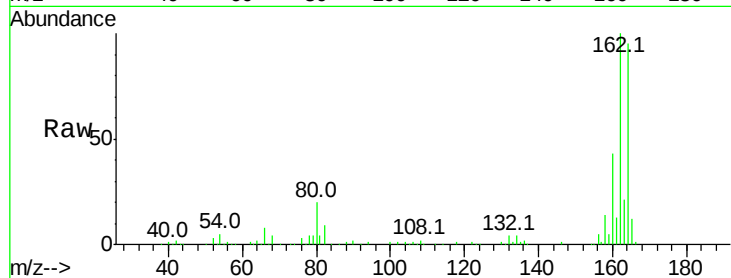




#50
2,6-Dinitrotoluene
Concen: 7.499 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.19 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

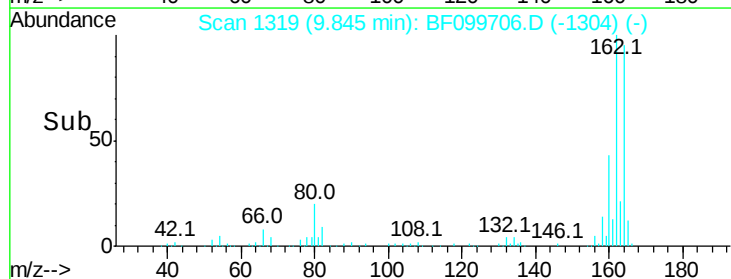
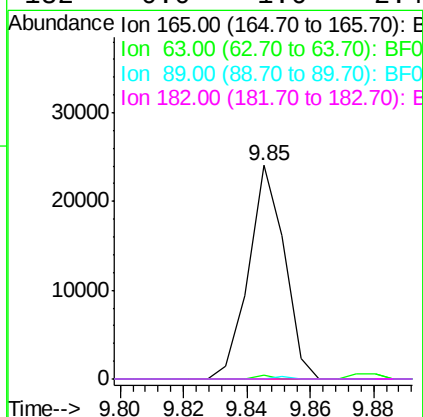
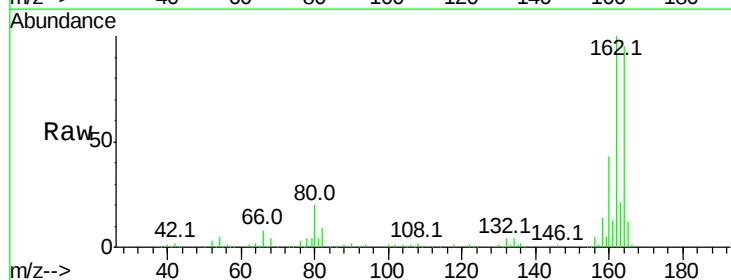
Instrument :
BNA_F
ClientSampleId :

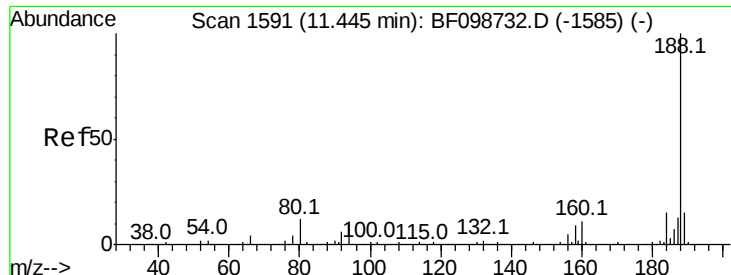
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	0.0	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 5.778 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	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: BF099706.D

Acq: 20 Oct 2017 17:42

Instrument :

BNA_F

ClientSampleId :

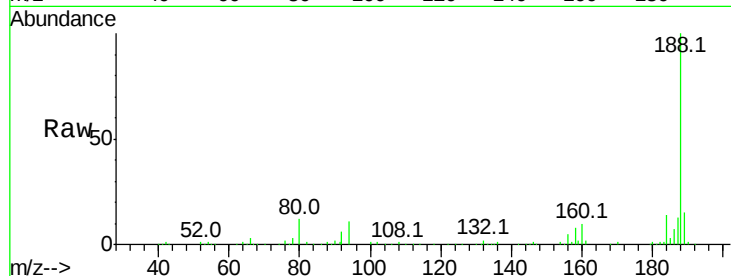
Tot Ion:188 Resp: 209470

Ion Ratio Lower Upper

188 100

94 11.1 8.5 12.7

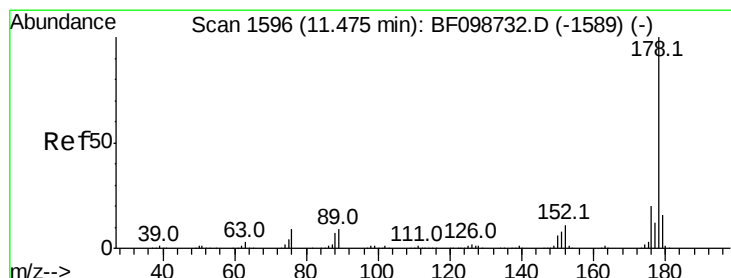
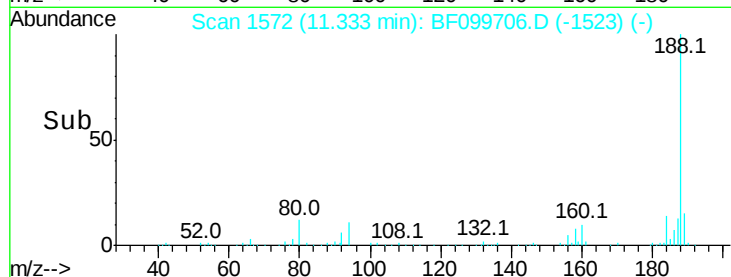
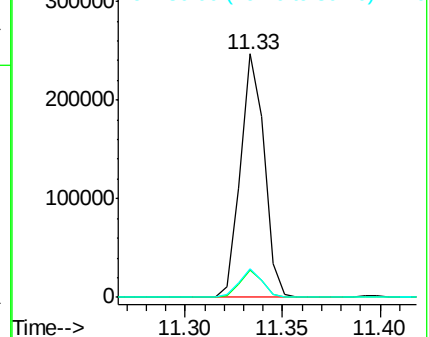
80 11.9 9.2 13.8



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: 5.608 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

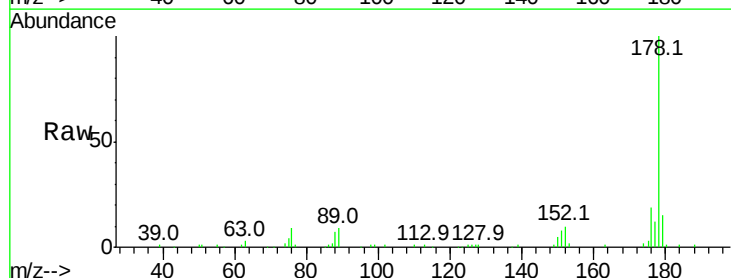
Tgt Ion:178 Resp: 62875

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

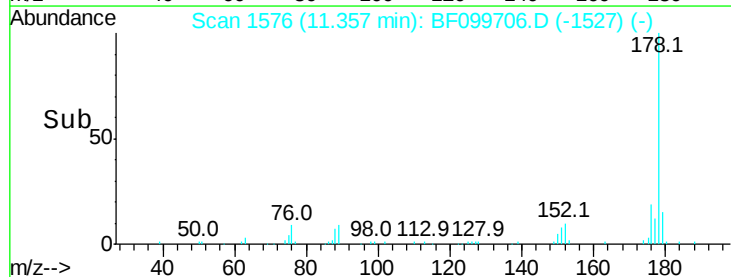
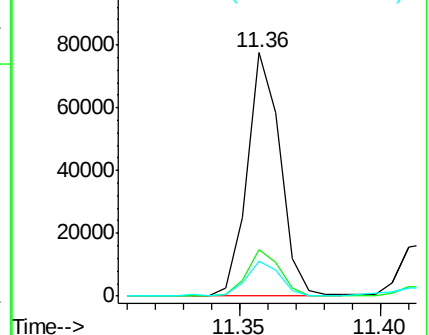
179 14.5 13.0 19.6

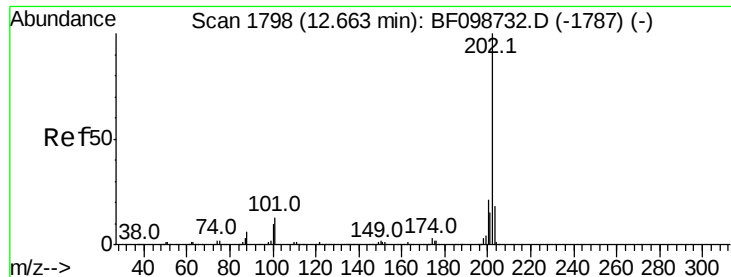


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

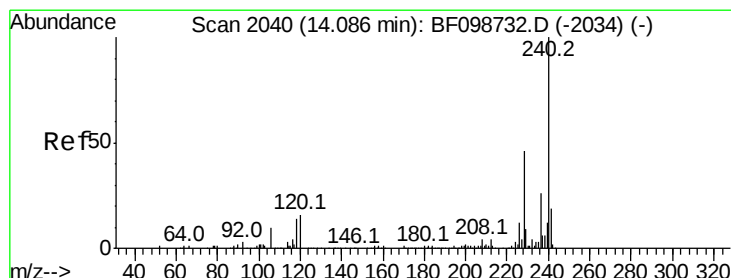
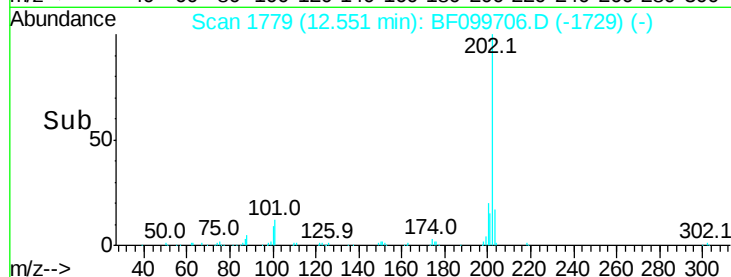
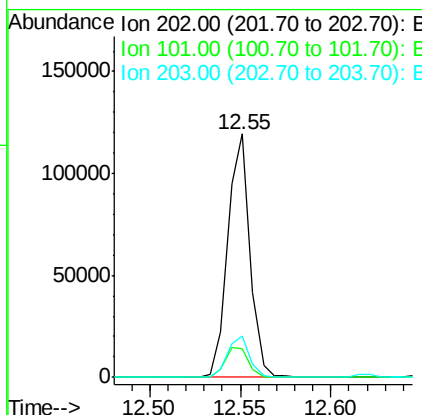
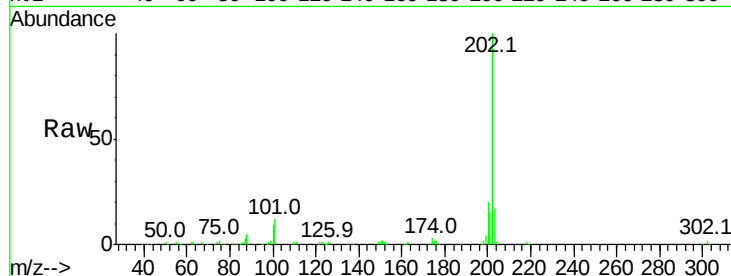




#74
Fluoranthene
Concen: 8.954 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

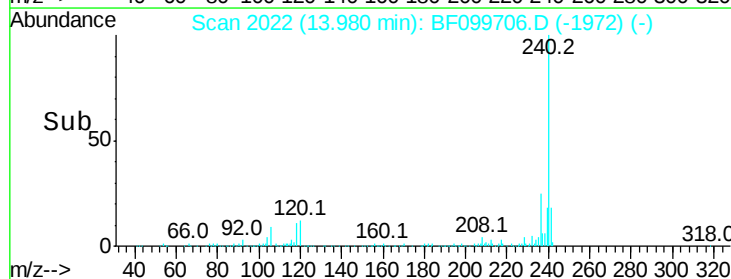
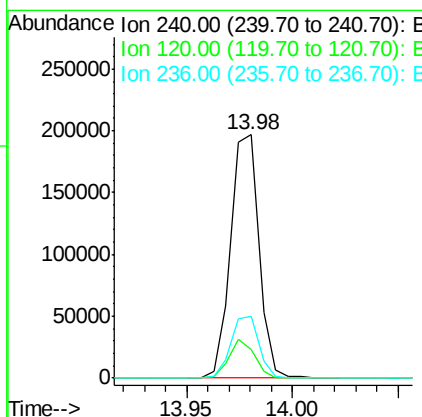
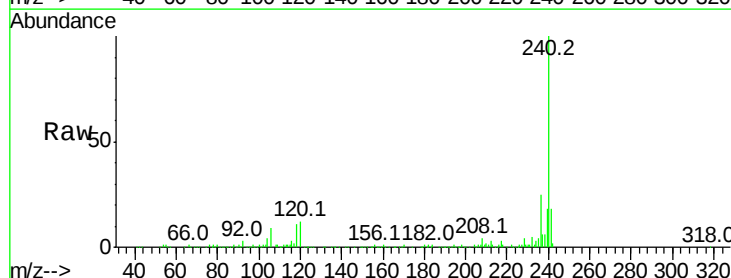
Instrument :
BNA_F
ClientSampleId :

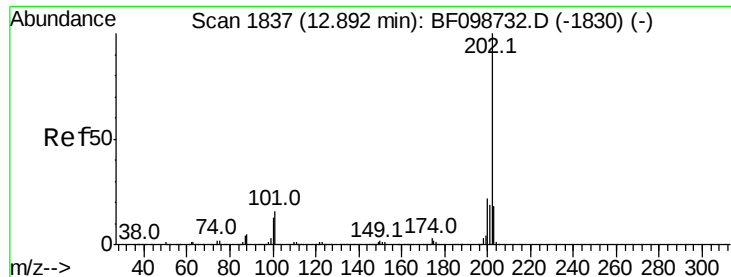
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.0	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	25.3	20.7	31.1





#77

Pvrene

Concen: 6.446 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Instrument :

BNA_F

ClientSampleId :

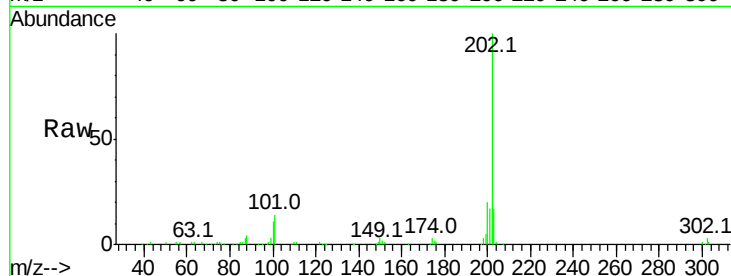
Tot Ion:202 Resp: 89265

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

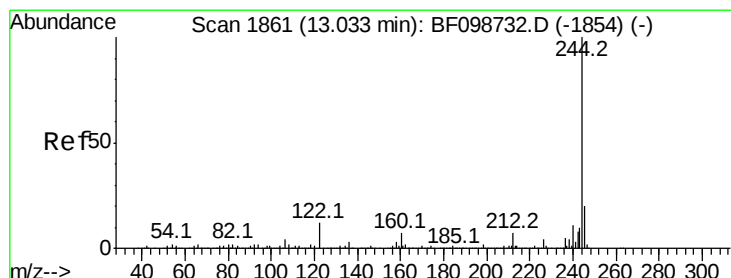
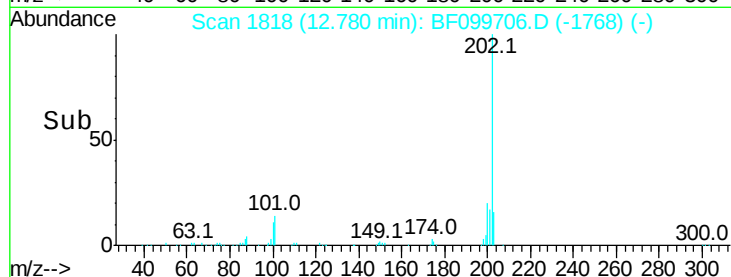
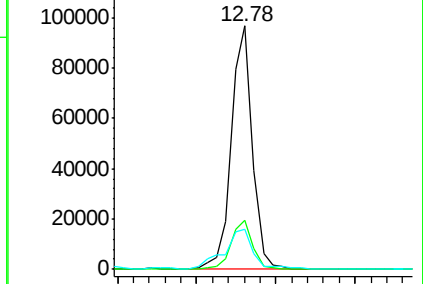
203 16.5 14.3 21.5



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: 13.953 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

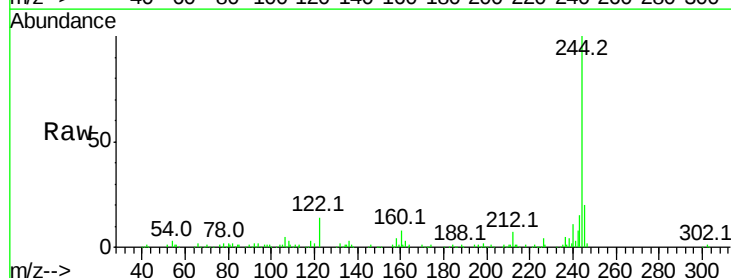
Tgt Ion:244 Resp: 111427

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

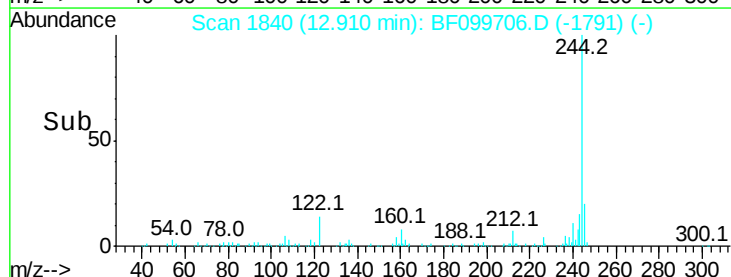
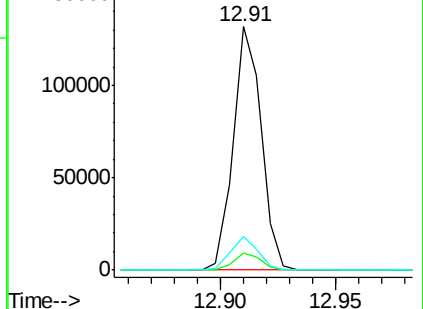
122 14.1 11.0 16.4

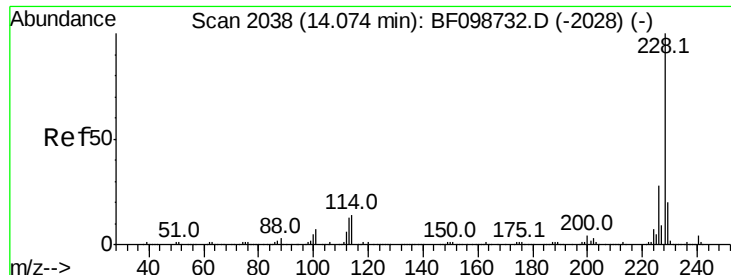


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

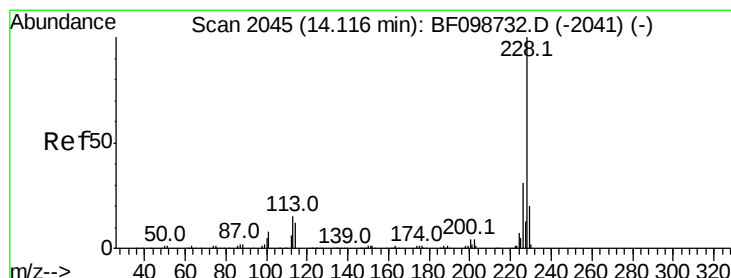
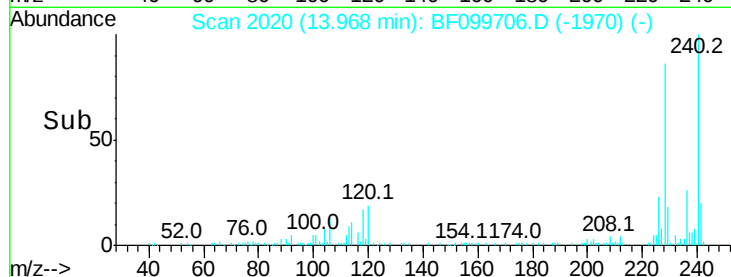
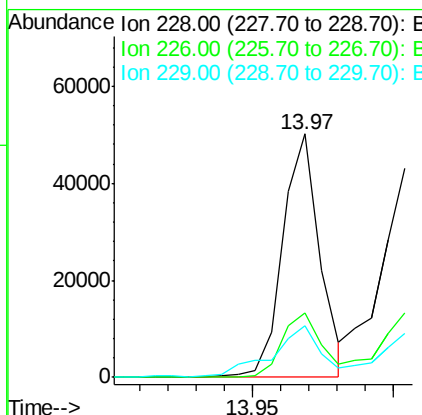
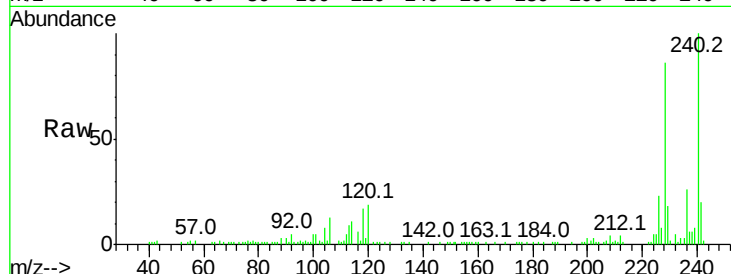




#80
Benzo(a)anthracene
Concen: 4.150 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

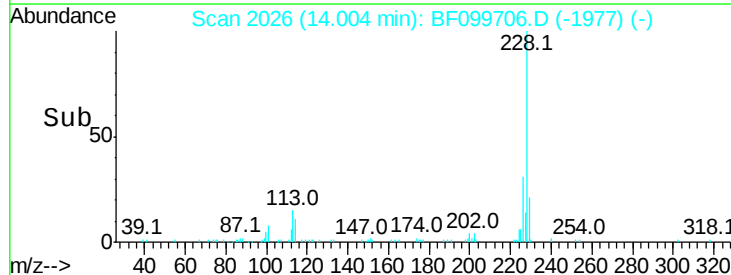
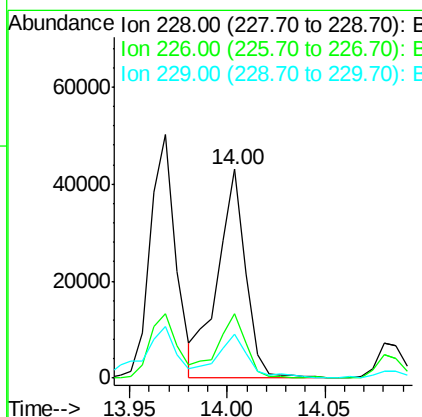
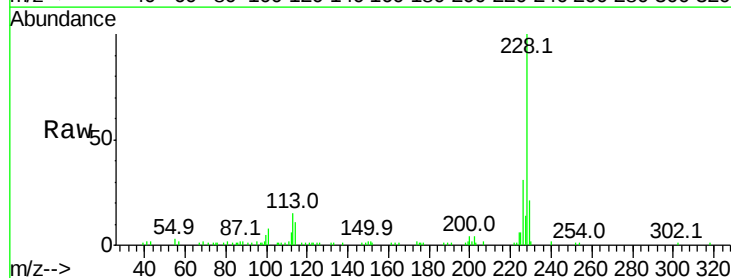
Instrument :
BNA_F
ClientSampleId :

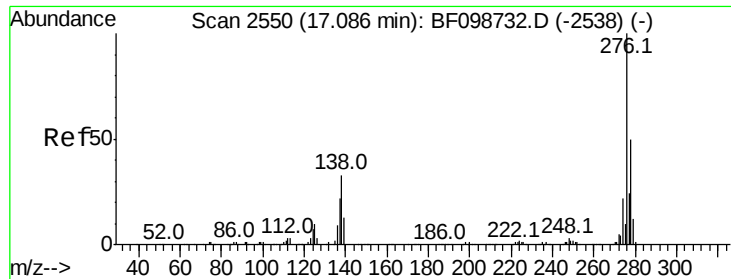
Tot Ion:228 Resp: 45635
Ion Ratio Lower Upper
228 100
226 26.6 22.6 33.8
229 21.1 15.8 23.6



#82
Chrysene
Concen: 4.135 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Tgt Ion:228 Resp: 43288
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 21.0 16.2 24.4

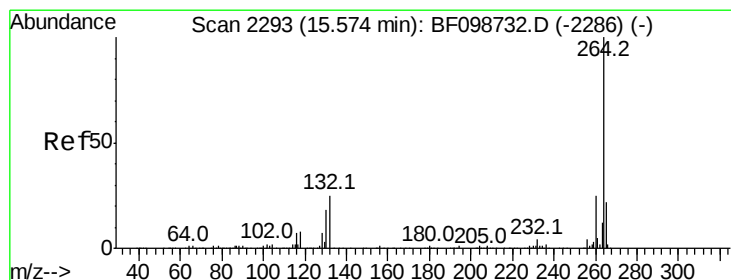
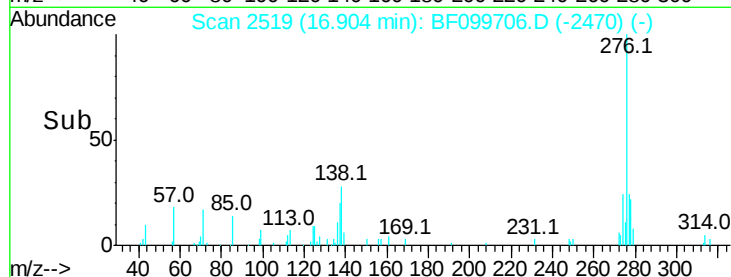
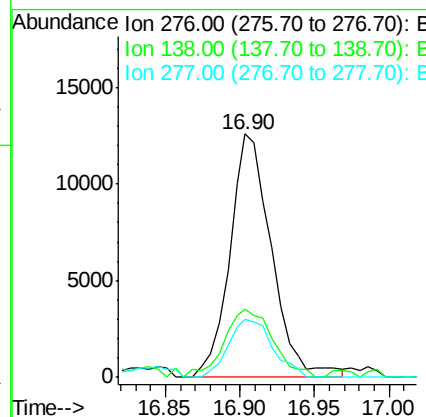
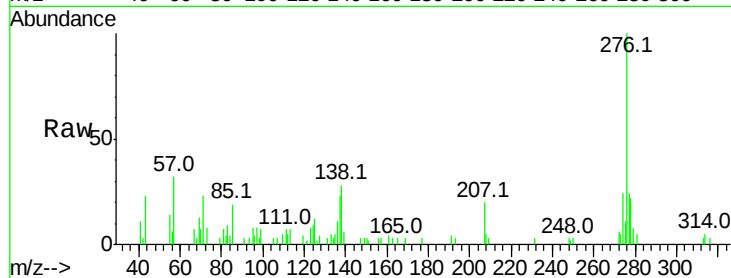




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.927 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

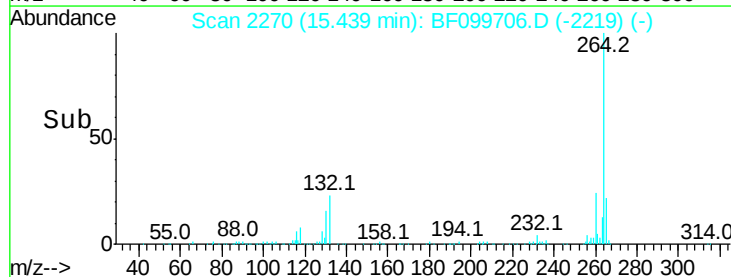
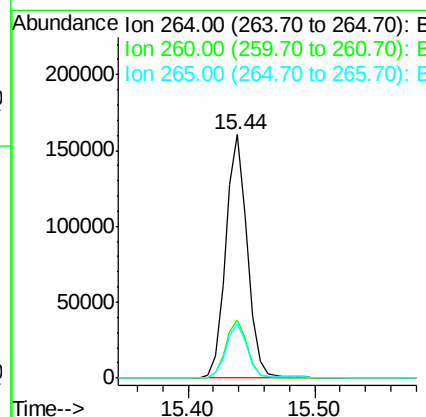
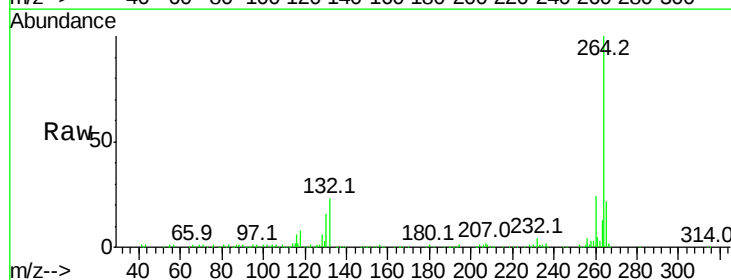
Instrument :
BNA_F
ClientSampleId :

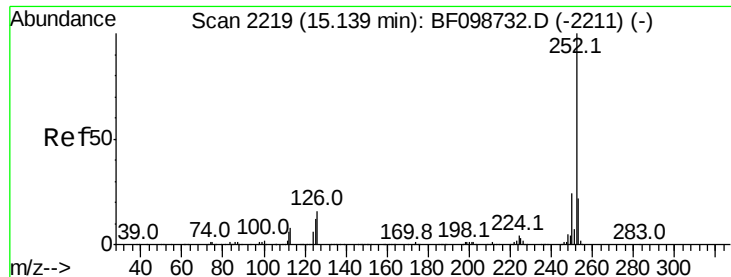
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.7	25.0	37.6
277	25.2	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.3	17.5	26.3

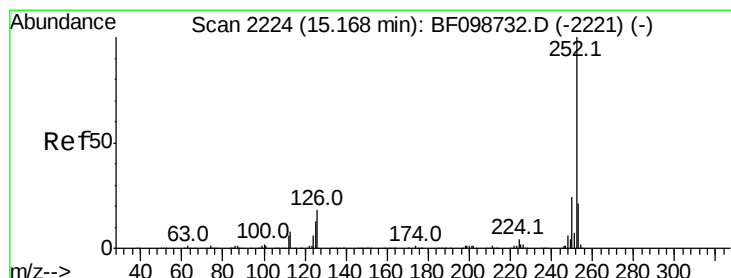
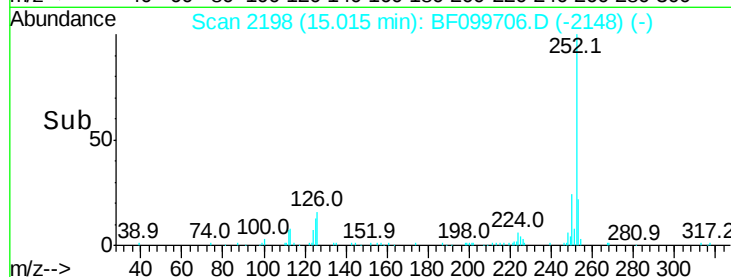
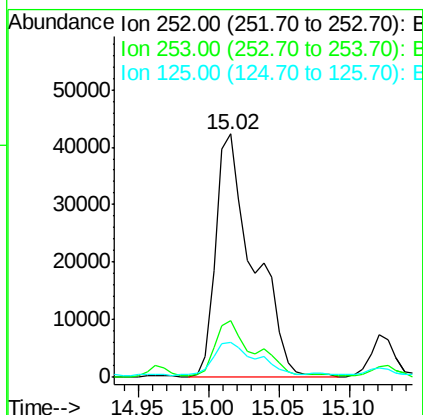
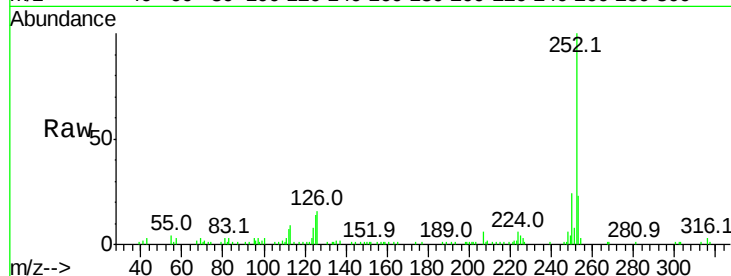




#87
Benzo(b)fluoranthene
Concen: 6.817 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

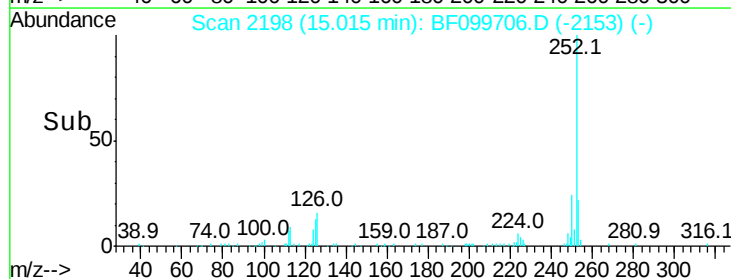
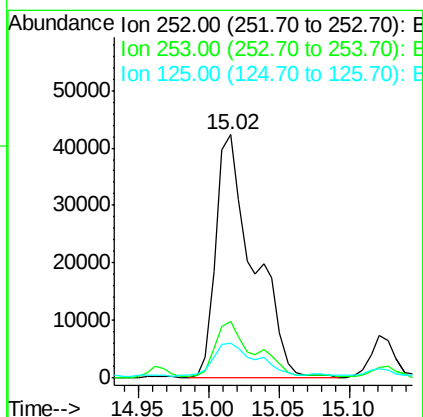
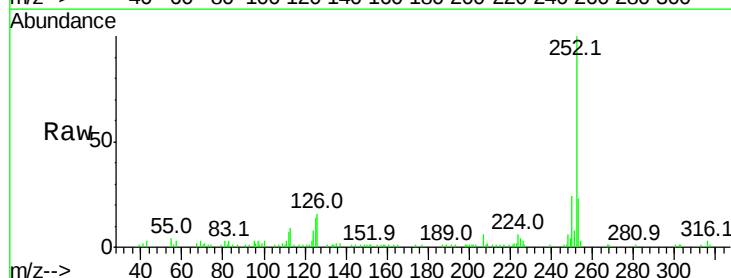
Instrument :
BNA_F
ClientSampleId :

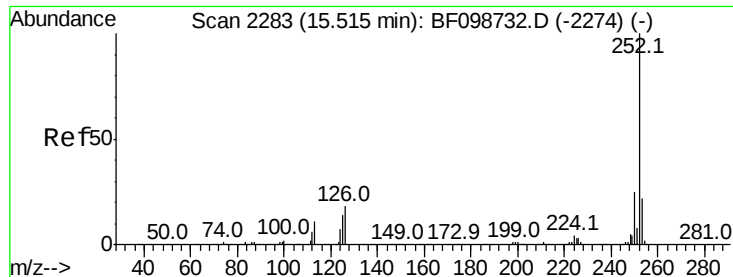
Tot Ion:252 Resp: 79200
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 14.4 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 6.902 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Tgt Ion:252 Resp: 79200
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 14.4 10.2 15.2

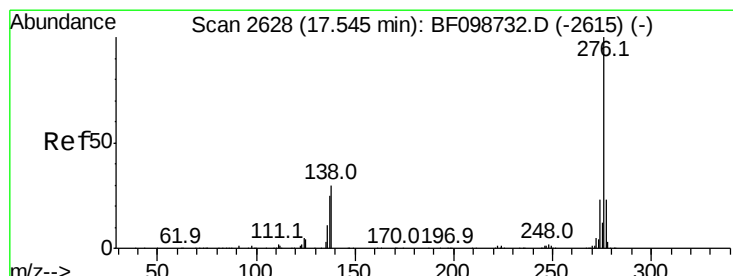
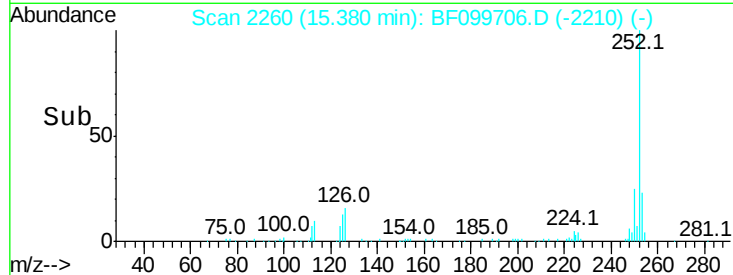
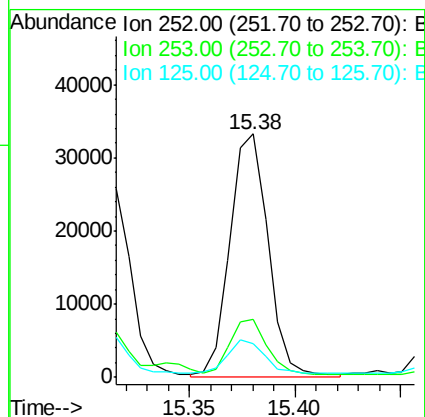
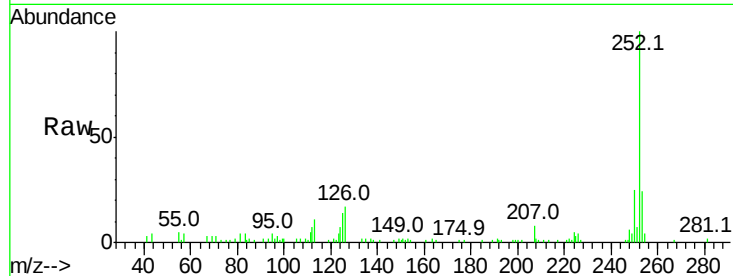




#89
Benzo(a)pyrene
Concen: 3.937 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 41988
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 13.9 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 2.664 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Tgt Ion:276 Resp: 22477
Ion Ratio Lower Upper
276 100
277 26.7 17.9 26.9
138 28.5 21.8 32.8

