

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098931.D
 Acq On : 29 Sep 2017 2:40
 Operator : SJ/JU
 Sample : I5487-04 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 03:54:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

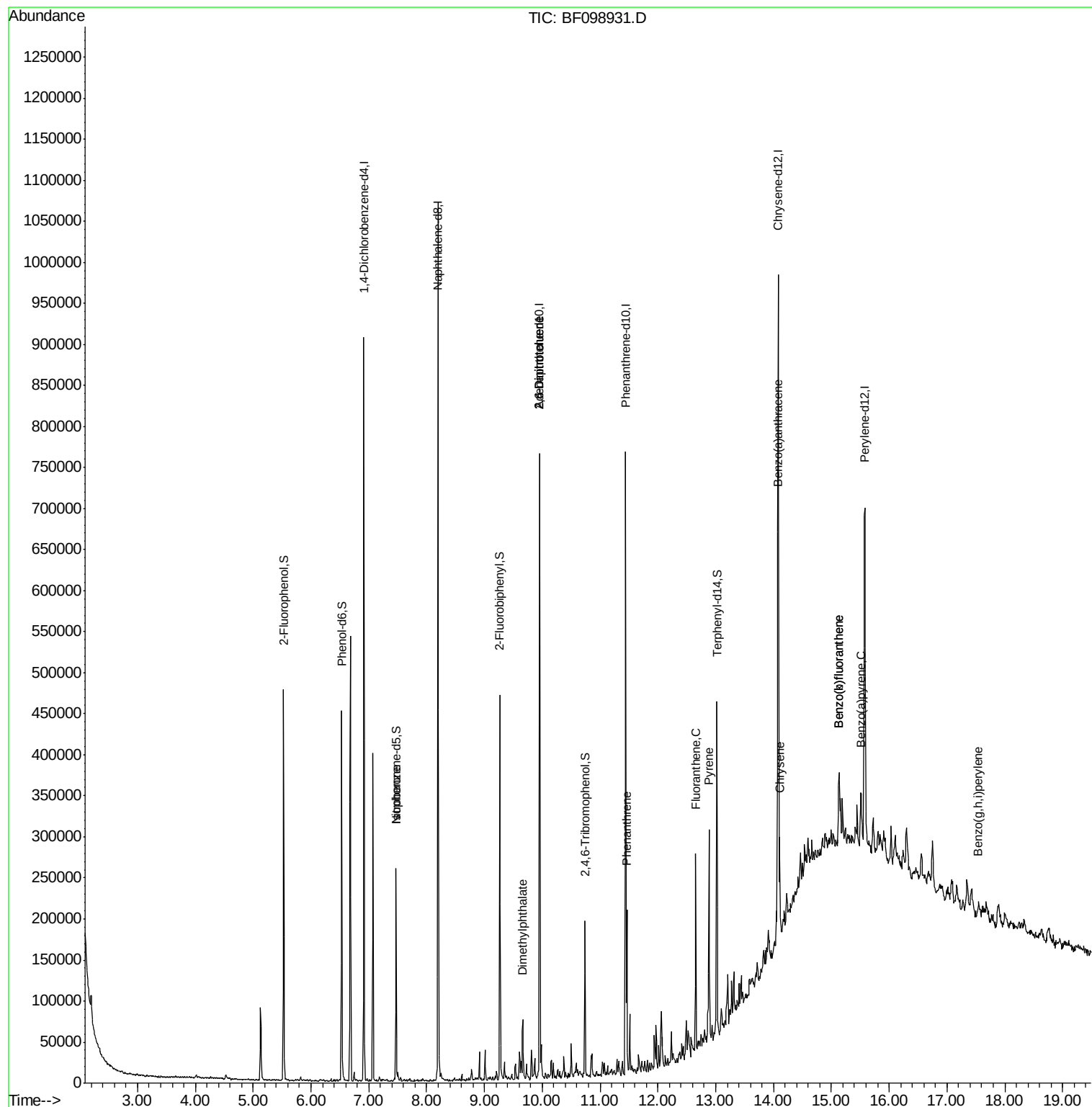
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	117256	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	424846	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	152041	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	244368	20.00	ng	0.00
75) Chrysene-d12	14.08	240	239287	20.00	ng	0.00
86) Perylene-d12	15.58	264	176461	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	127412	17.30	ng	-0.01
7) Phenol-d6	6.53	99	138119	15.20	ng	-0.02
23) Nitrobenzene-d5	7.47	82	77228	11.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	15488	12.45	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	130710	14.35	ng	-0.01
78) Terphenyl-d14	13.02	244	104878	9.97	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.47	82	77242	5.64	ng	# 64
49) Dimethylphthalate	9.66	163	23310	2.03	ng	97
50) 2,6-Dinitrotoluene	9.95	165	19618	7.85	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	19618	6.05	ng	# 23
70) Phenanthrene	11.46	178	60194	4.60	ng	98
74) Fluoranthene	12.65	202	87133	6.58	ng	100
77) Pyrene	12.89	202	100966	5.53	ng	99
80) Benzo(a)anthracene	14.07	228	43730	3.02	ng	97
82) Chrysene	14.10	228	40325	2.92	ng	98
87) Benzo(b)fluoranthene	15.13	252	51017	4.70	ng	# 87
88) Benzo(k)fluoranthene	15.13	252	51017	4.76	ng	# 89
89) Benzo(a)pyrene	15.51	252	29092	2.92	ng	# 84
91) Benzo(a,h,i)perylene	17.55	276	16059	2.04	ng	# 86

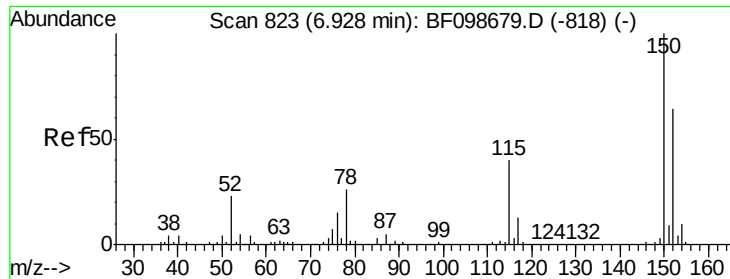
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
Data File : BF098931.D
Acq On : 29 Sep 2017 2:40
Operator : SJ/JU
Sample : I5487-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Sep 29 03:54:10 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration



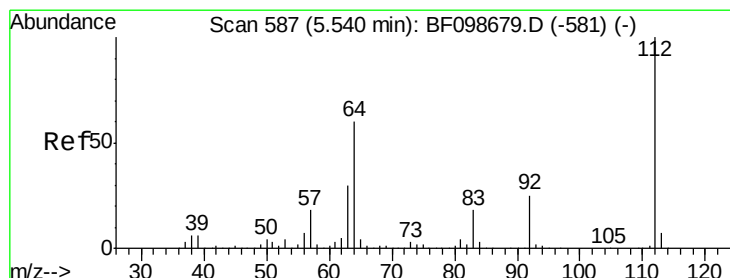
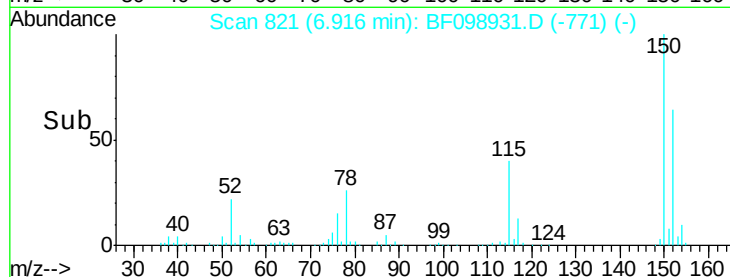
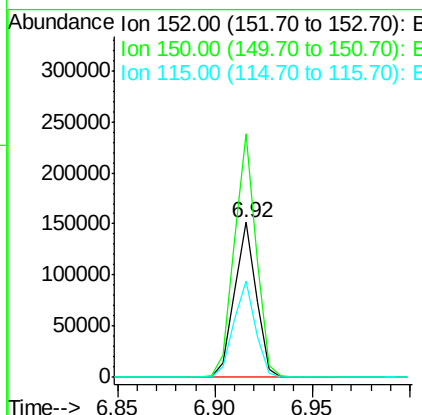
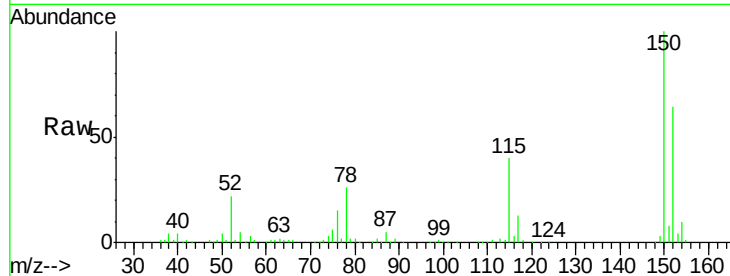


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

Instrument :
BNA_F
ClientSampleId :

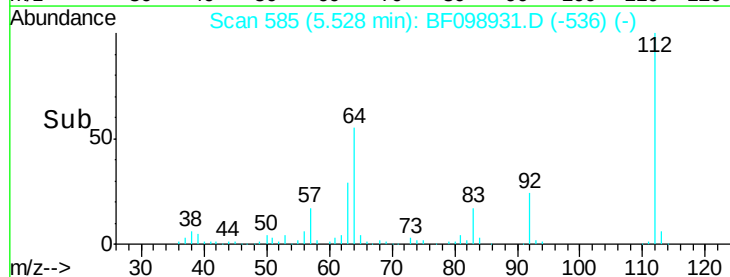
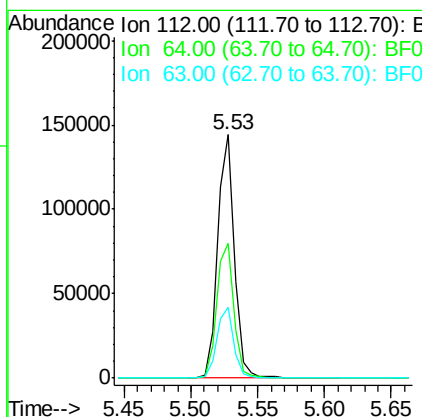
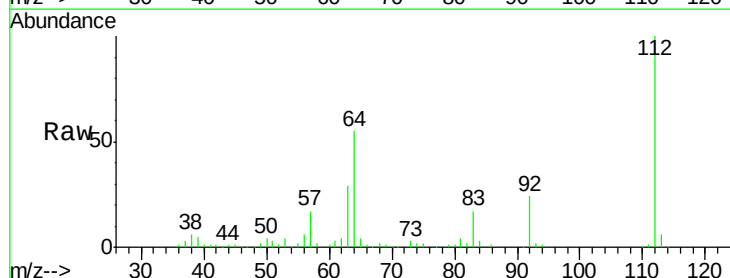
Tot Ion:152 Resp: 117256
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 62.4 50.1 75.1

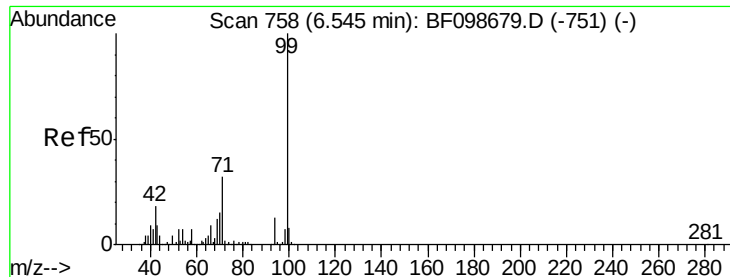


#5

2-Fluorophenol
Concen: 17.30 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

Tgt Ion:112 Resp: 127412
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 28.9 23.7 35.5





#7

Phenol-d6

Concen: 15.20 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098931.D

Acq: 29 Sep 2017 2:40

Instrument :

BNA_F

ClientSampleId :

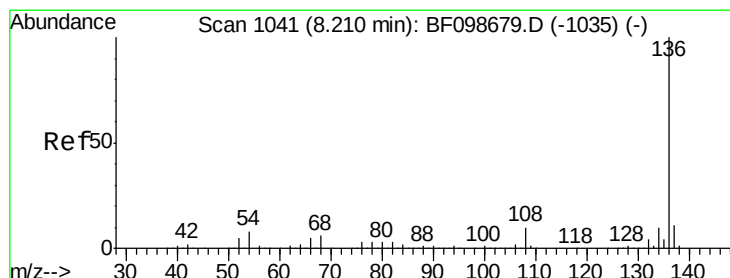
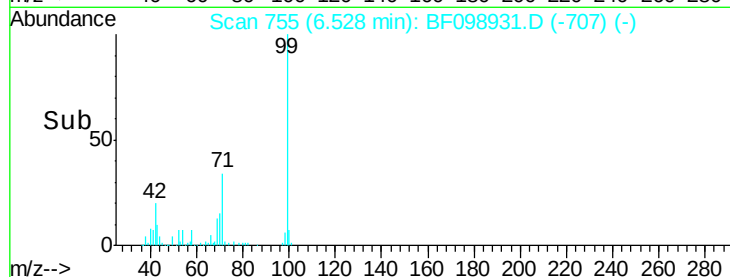
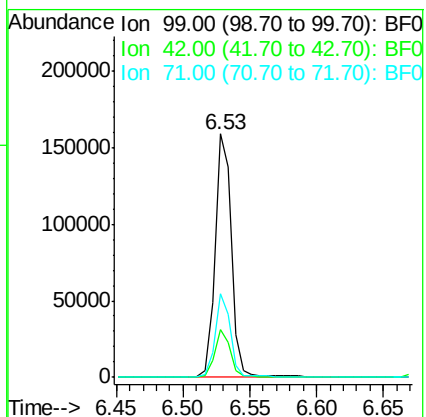
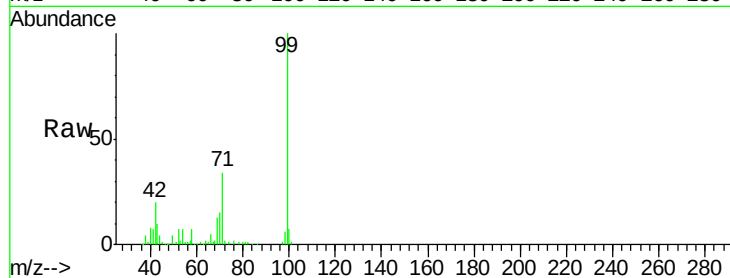
Tot Ion: 99 Resp: 138119

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 34.3 25.4 38.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098931.D

Acq: 29 Sep 2017 2:40

Tgt Ion: 136 Resp: 424846

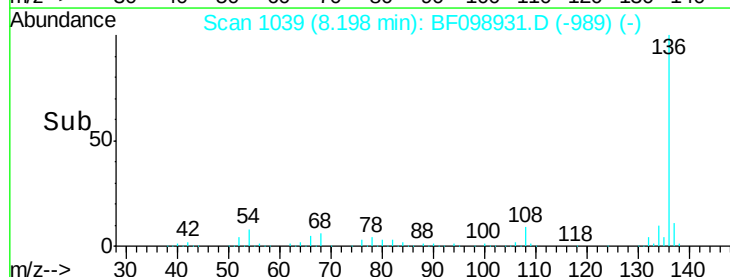
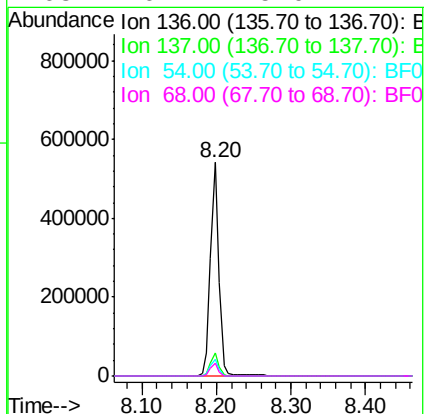
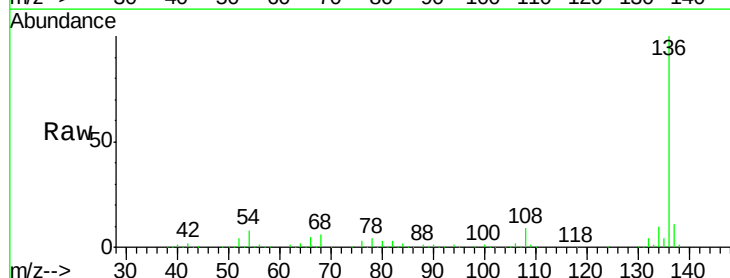
Ion Ratio Lower Upper

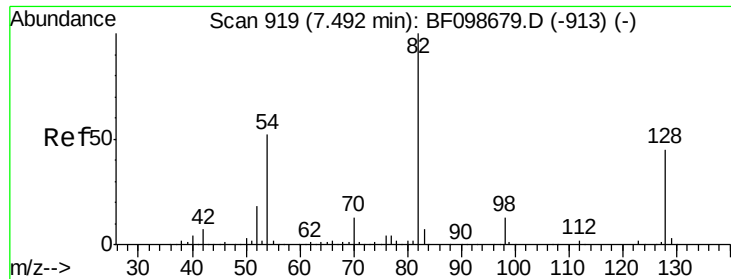
136 100

137 10.8 8.9 13.3

54 7.6 6.6 9.8

68 6.1 5.0 7.4

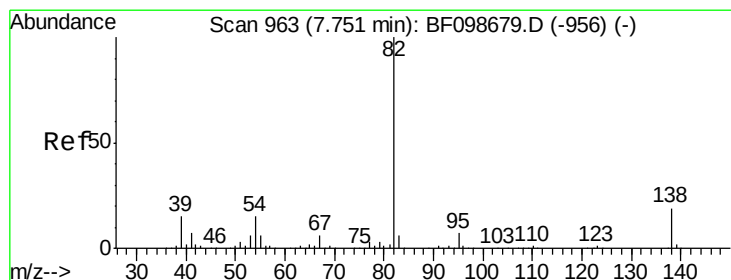
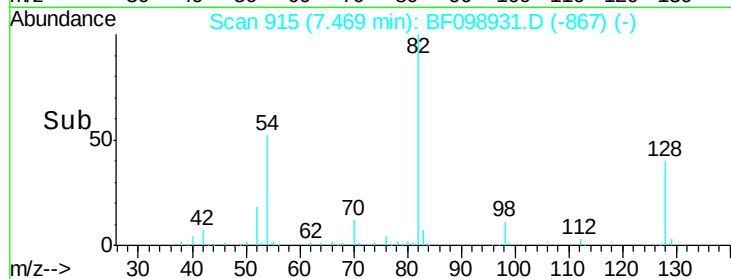
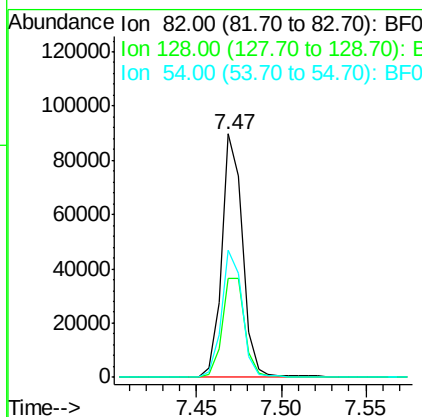
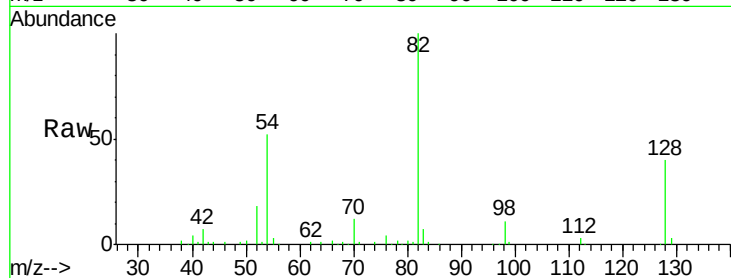




#23
 Nitrobenzene-d5
 Concen: 11.66 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098931.D
 Acq: 29 Sep 2017 2:40

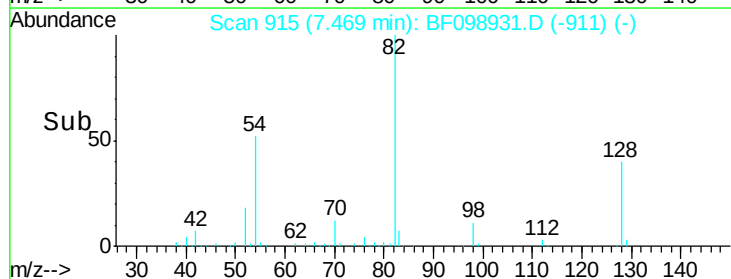
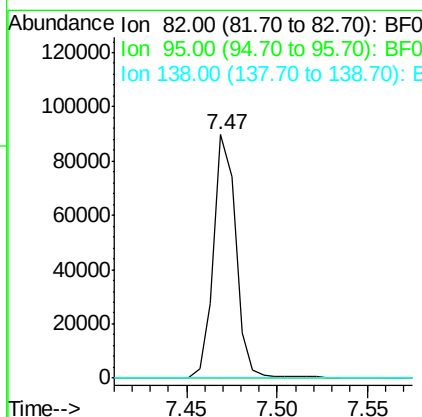
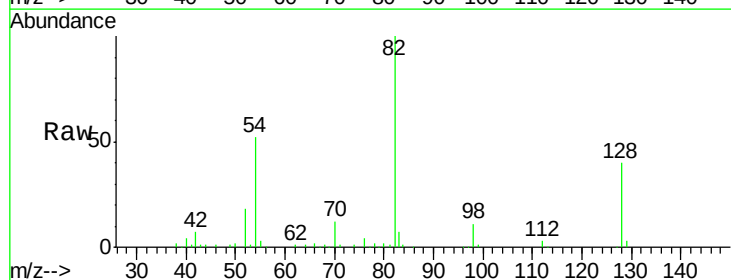
Instrument :
 BNA_F
 ClientSampled :

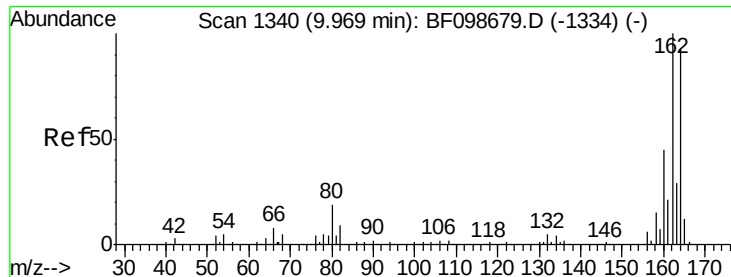
Tot Ion: 82 Resp: 77228
 Ion Ratio Lower Upper
 82 100
 128 40.5 36.1 54.1
 54 52.1 41.4 62.2



#25
 Isophorone
 Concen: 5.64 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.28 min
 Lab File: BF098931.D
 Acq: 29 Sep 2017 2:40

Tgt Ion: 82 Resp: 77242
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

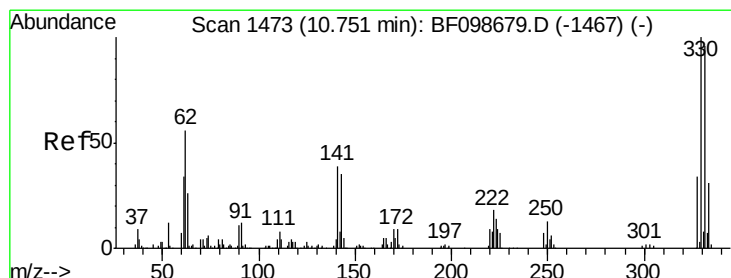
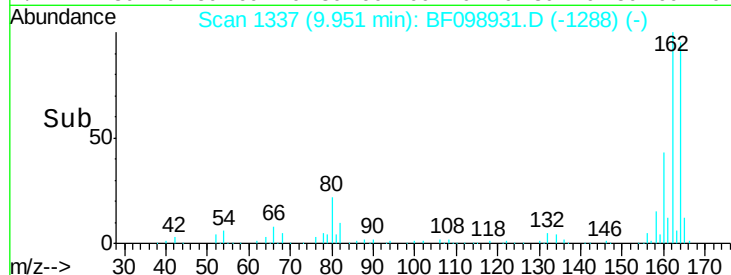
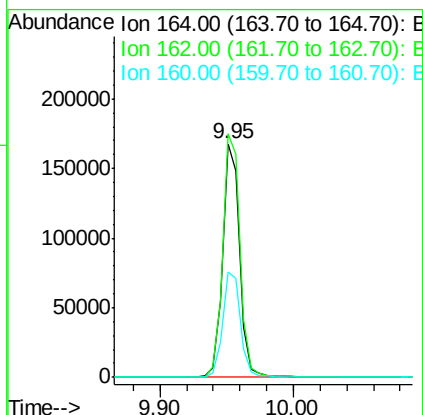
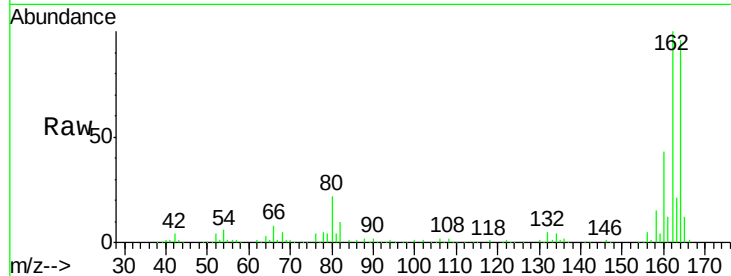




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098931.D
 Acq: 29 Sep 2017 2:40

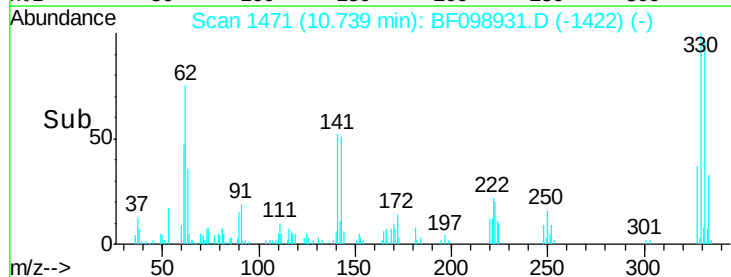
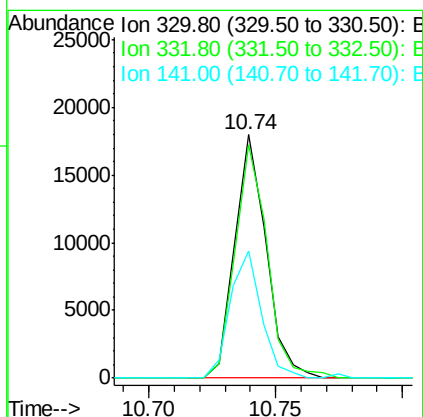
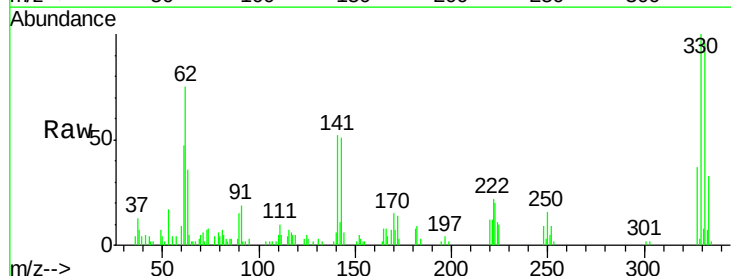
Instrument :
 BNA_F
 ClientSampleId :

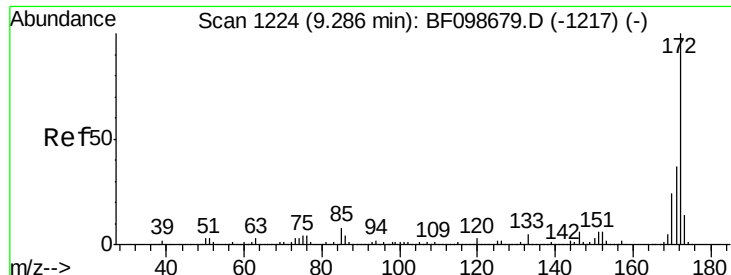
Tot Ion:164 Resp: 152041
 Ion Ratio Lower Upper
 164 100
 162 104.1 86.1 129.1
 160 44.9 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 12.45 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098931.D
 Acq: 29 Sep 2017 2:40

Tgt Ion:330 Resp: 15488
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.0 115.6
 141 51.5 29.9 44.9#

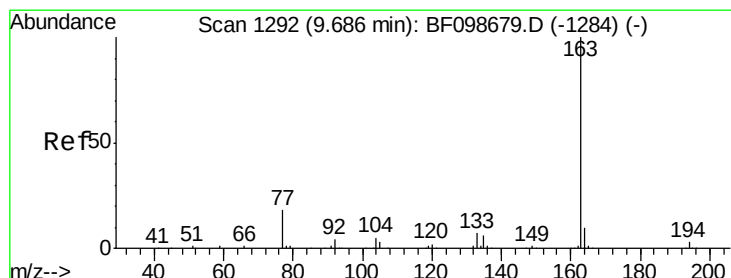
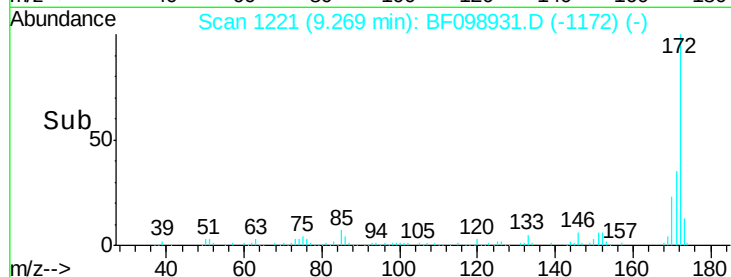
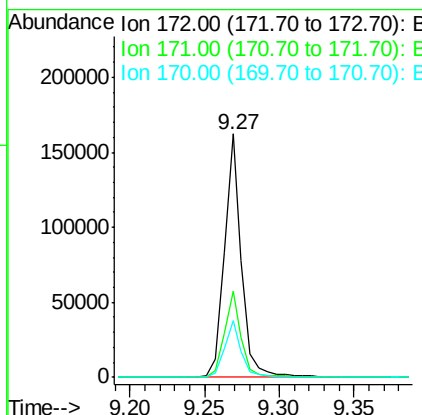
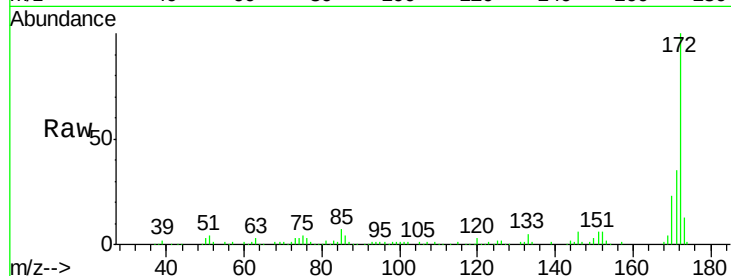




#44
2-Fluorobiphenyl
Concen: 14.35 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

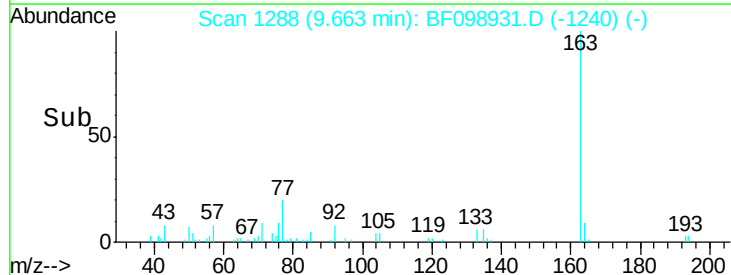
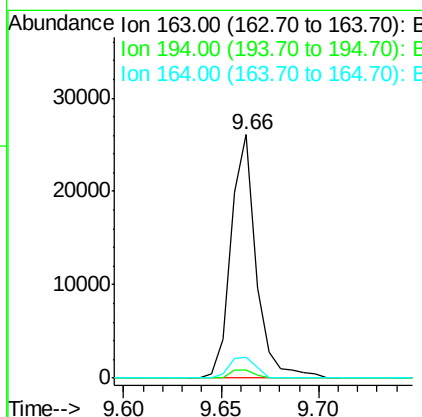
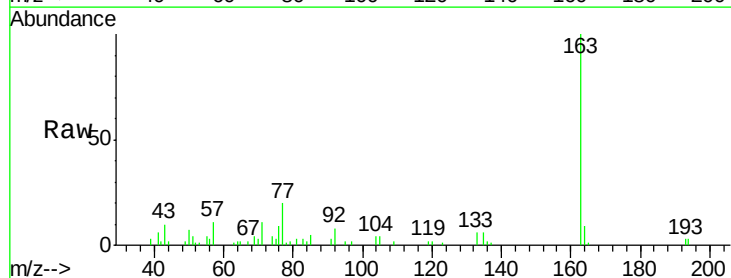
Instrument :
BNA_F
ClientSampleId :

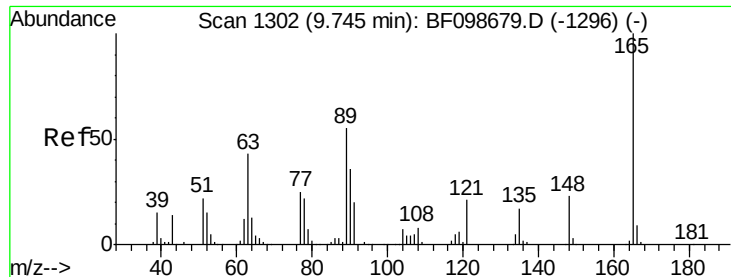
Tot Ion:172 Resp: 130710
Ion Ratio Lower Upper
172 100
171 35.3 29.7 44.5
170 23.1 19.6 29.4



#49
Dimethylphthalate
Concen: 2.03 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

Tgt Ion:163 Resp: 23310
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 8.7 8.2 12.2

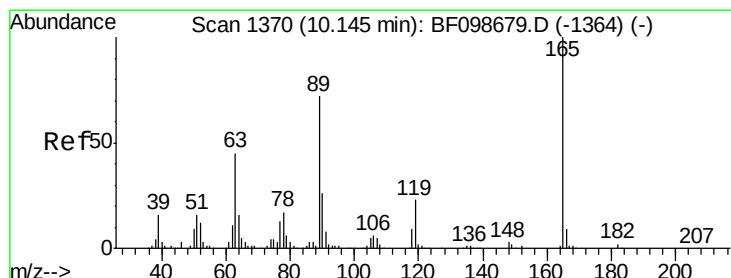
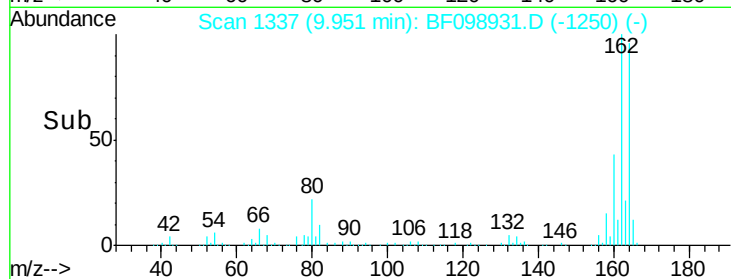
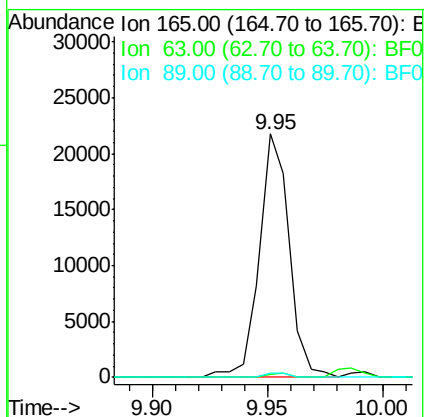
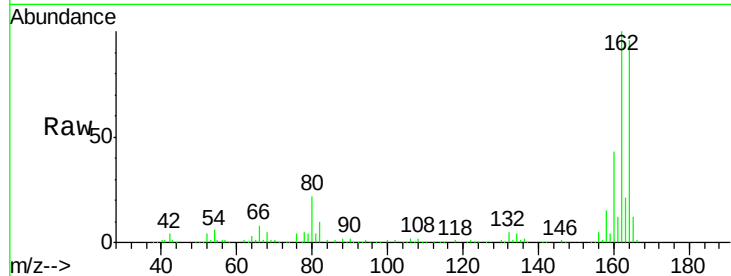




#50
2,6-Dinitrotoluene
Concen: 7.85 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.21 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

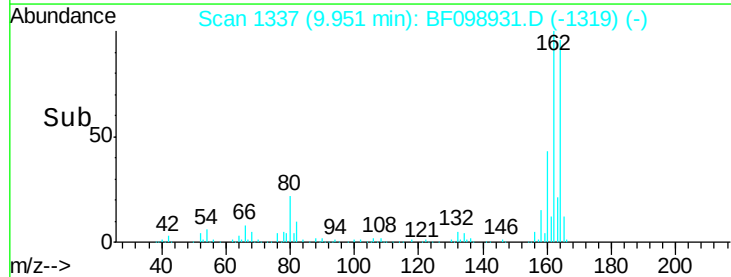
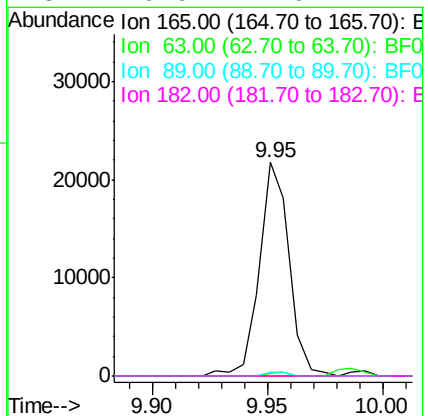
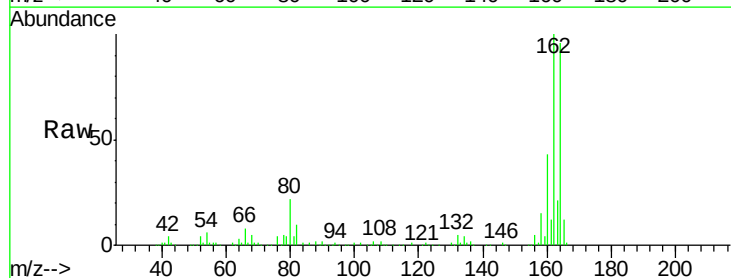
Instrument :
BNA_F
ClientSampleId :

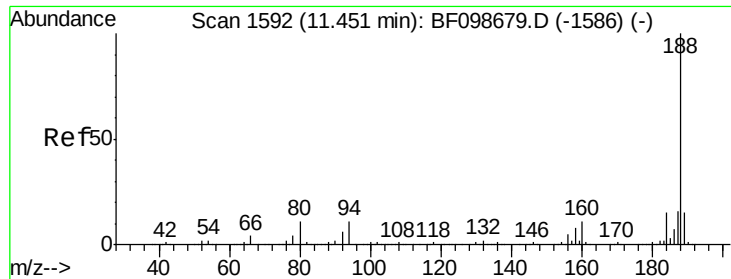
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.7	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 6.05 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

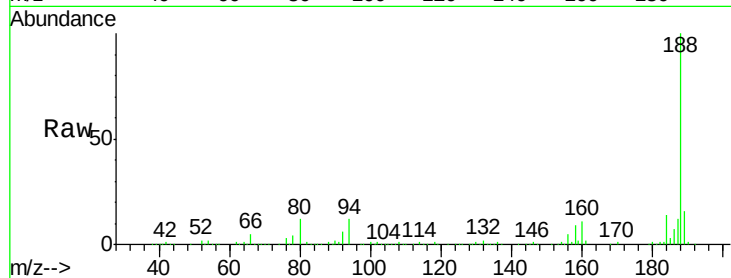




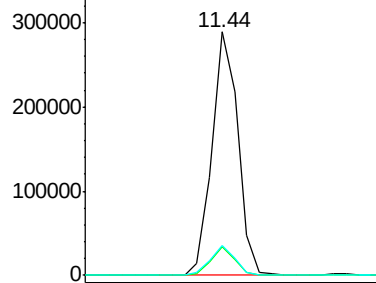
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

Instrument :
BNA_F
ClientSampleId :

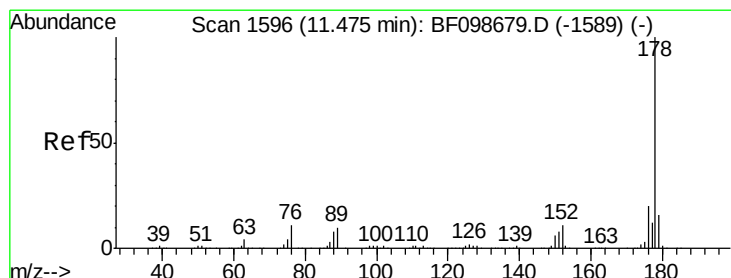
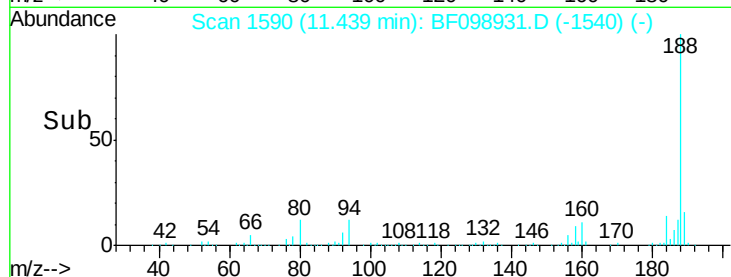
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	12.0	9.2	13.8



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

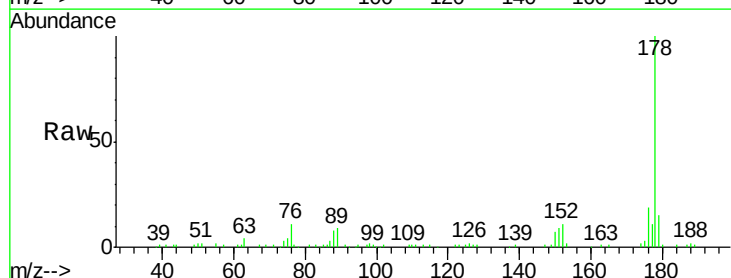


Time-->

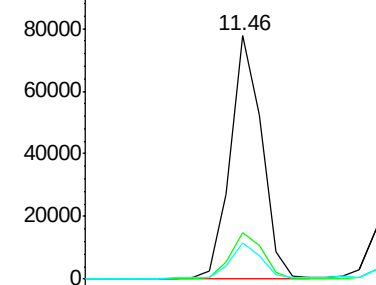


#70
Phenanthrene
Concen: 4.60 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

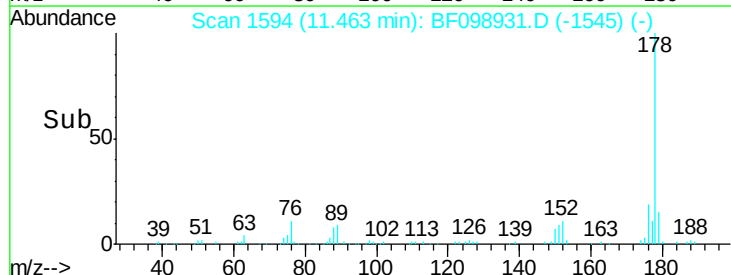
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.9	13.0	19.6

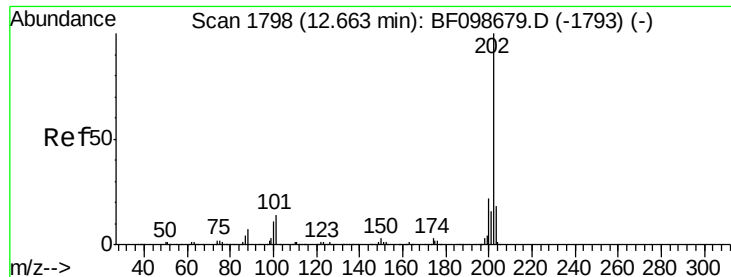


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 6.58 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098931.D

Acq: 29 Sep 2017 2:40

Instrument :

BNA_F

ClientSampleId :

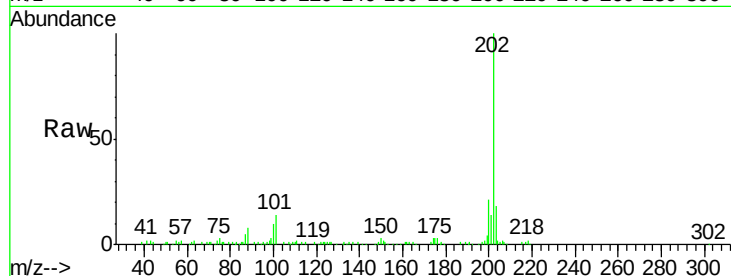
Tot Ion:202 Resp: 87133

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

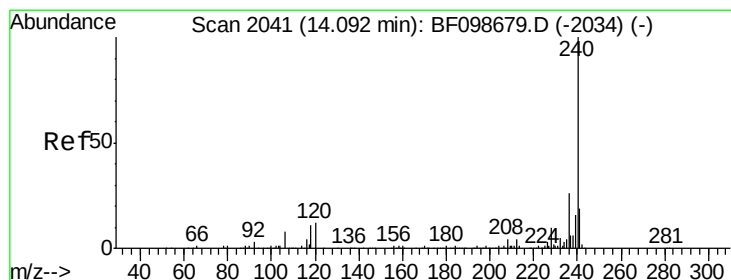
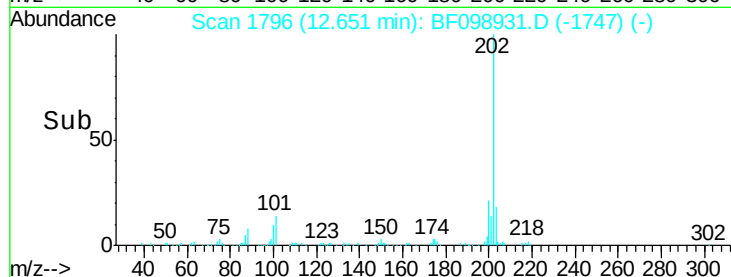
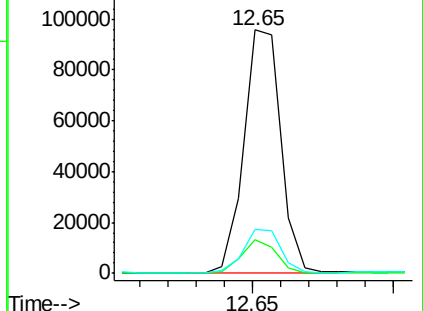
203 18.0 0.0 38.1



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: 20.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098931.D

Acq: 29 Sep 2017 2:40

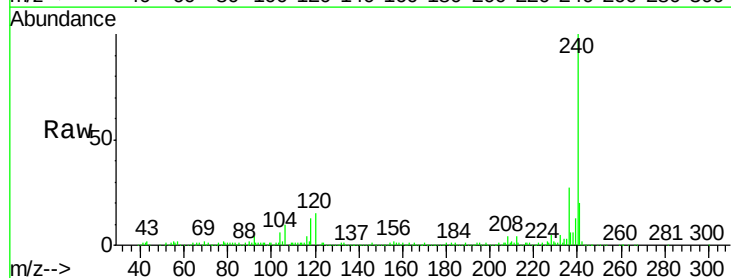
Tgt Ion:240 Resp: 239287

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

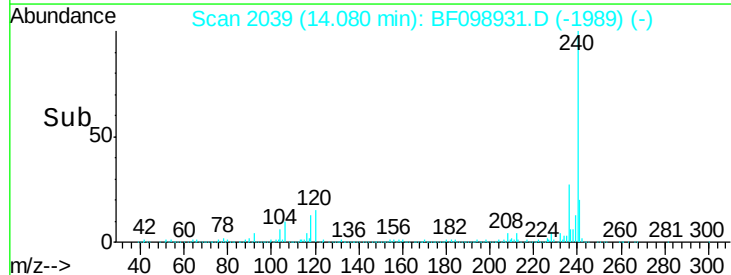
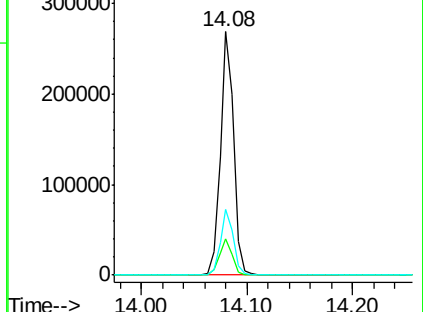
236 27.2 20.7 31.1

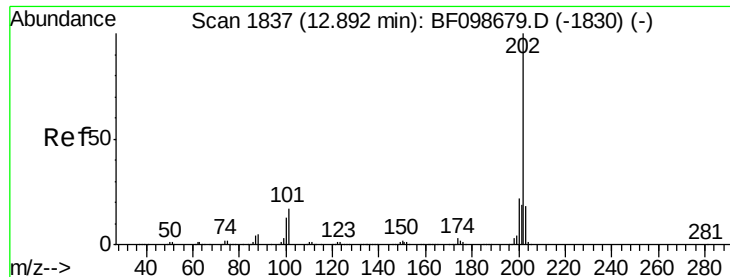


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.53 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098931.D

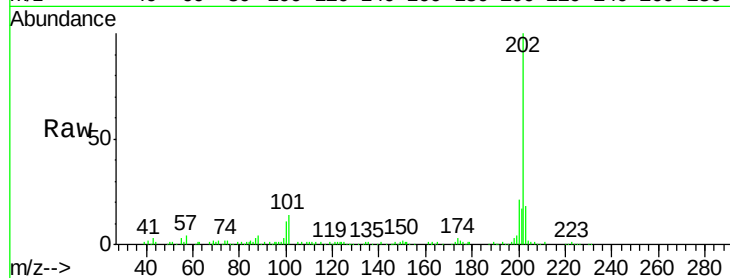
Acq: 29 Sep 2017 2:40

Instrument :

BNA_F

ClientSampleId :

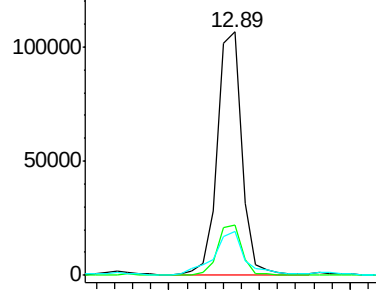
Tot Ion:	202	Resp:	100966
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.9	14.3	21.5



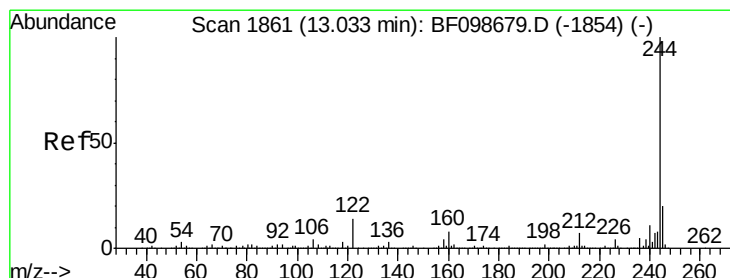
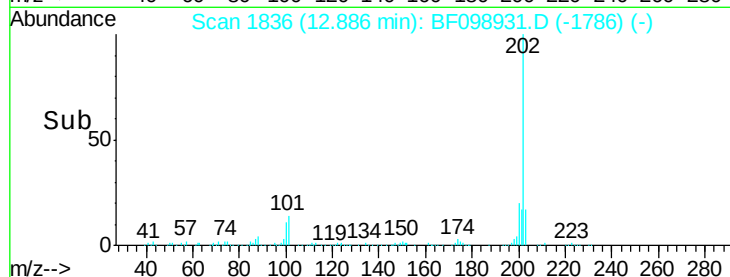
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 9.97 ng

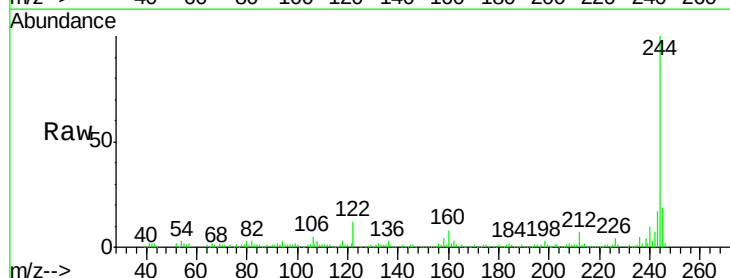
RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098931.D

Acq: 29 Sep 2017 2:40

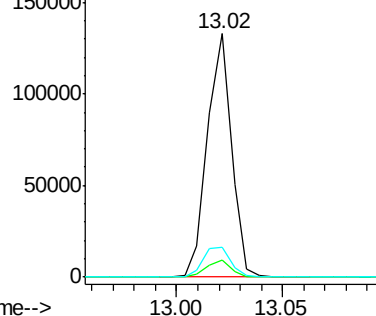
Tgt Ion:	244	Resp:	104878
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.5	11.0	16.4



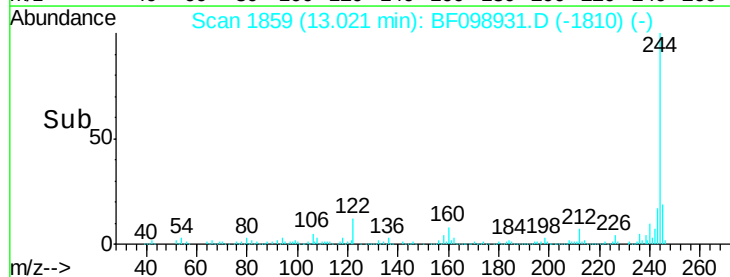
Abundance Ion 244.00 (243.70 to 244.70): E

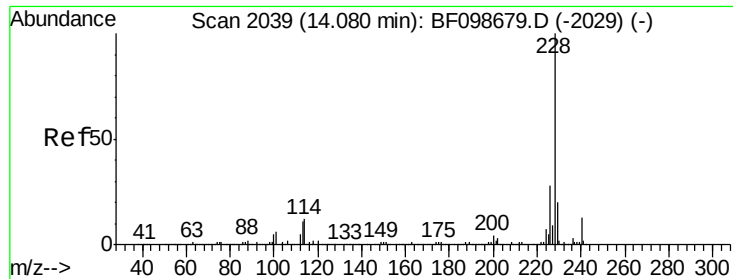
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#80

Benzo(a)anthracene

Concen: 3.02 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF098931.D

Acq: 29 Sep 2017 2:40

Instrument :

BNA_F

ClientSampleId :

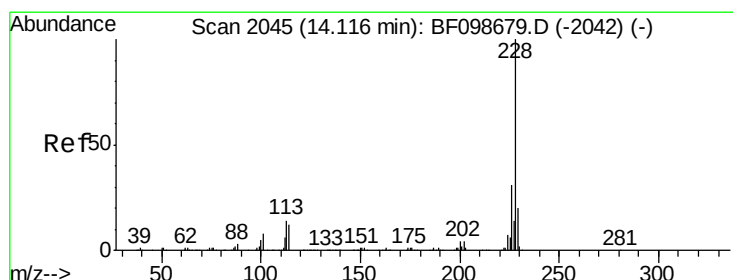
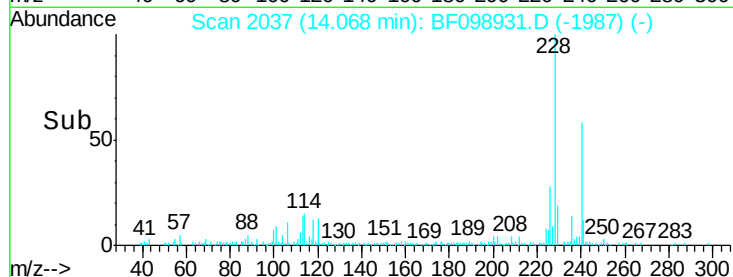
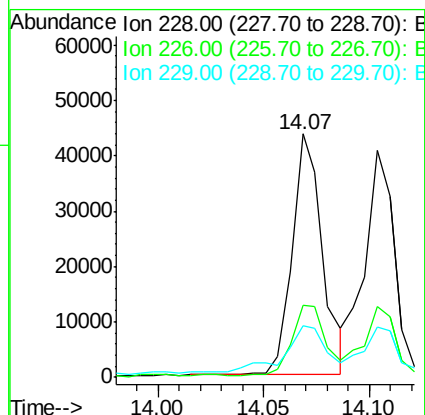
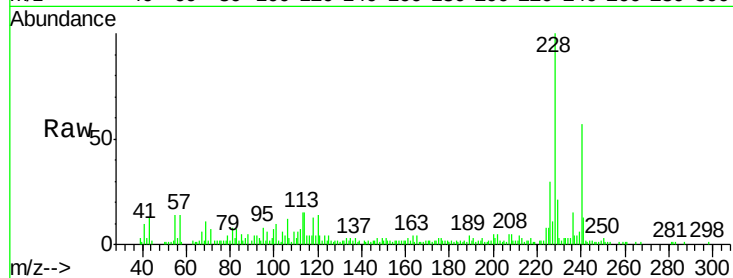
Tot Ion:228 Resp: 43730

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

229 21.4 15.8 23.6



#82

Chrysene

Concen: 2.92 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF098931.D

Acq: 29 Sep 2017 2:40

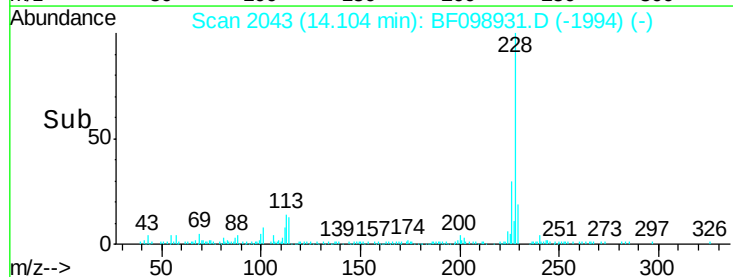
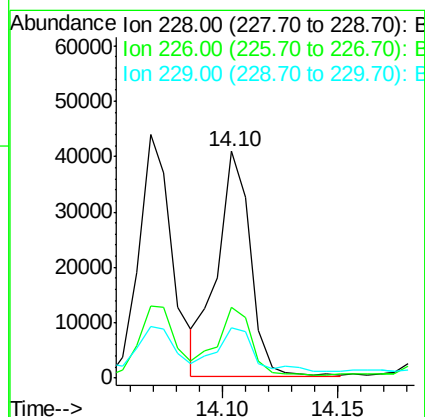
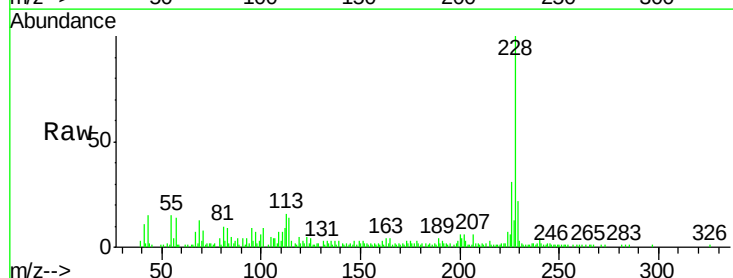
Tgt Ion:228 Resp: 40325

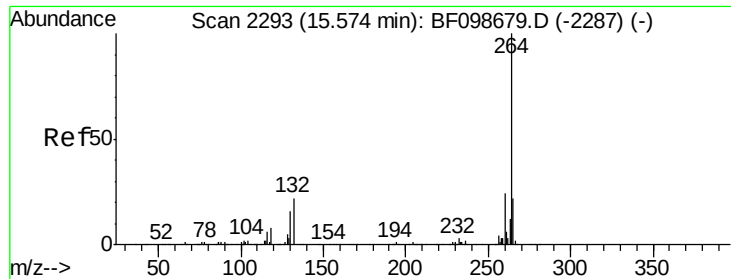
Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

229 22.4 16.2 24.4

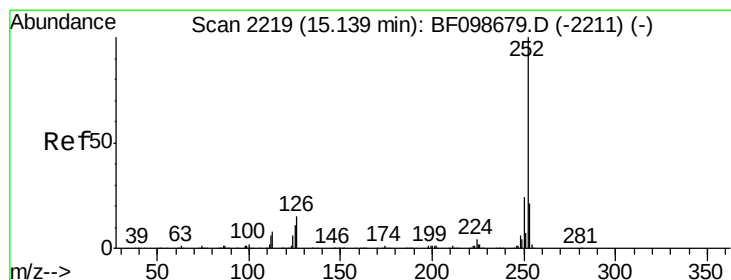
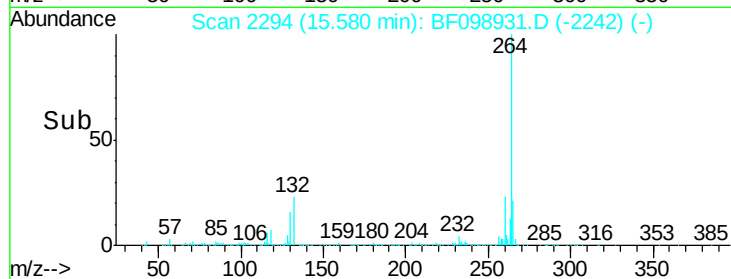
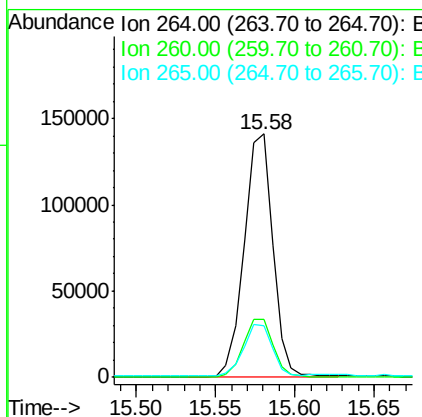
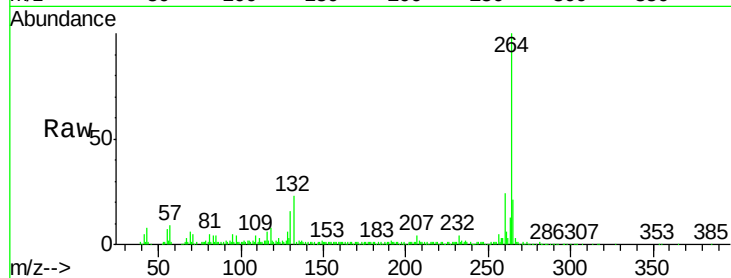




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

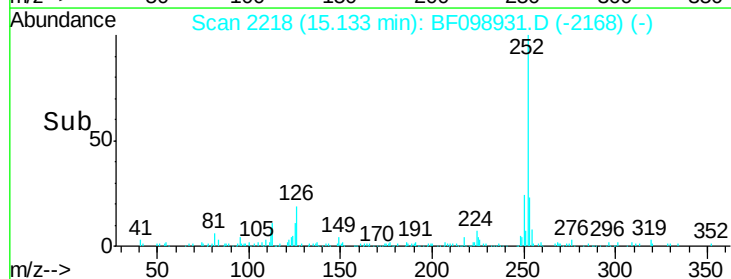
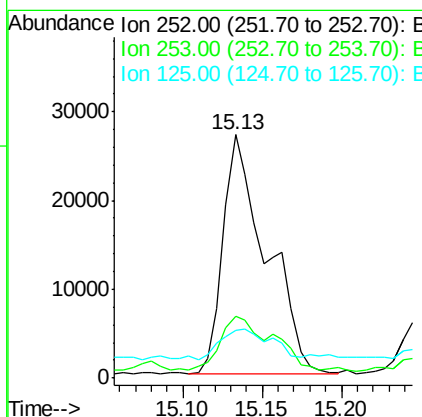
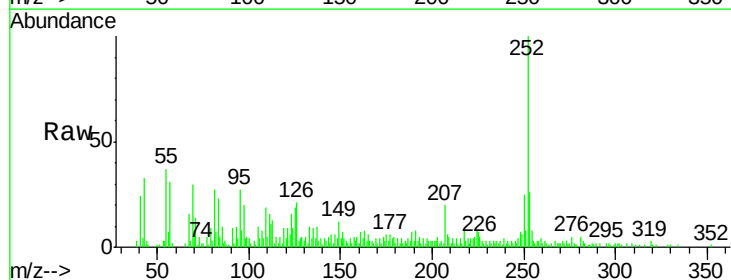
Instrument :
BNA_F
ClientSampleId :

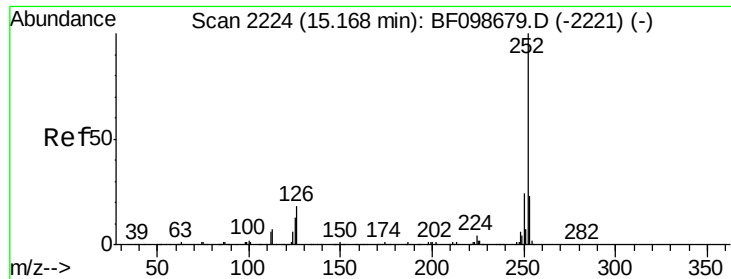
Tot Ion:264 Resp: 176461
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.70 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

Tgt Ion:252 Resp: 51017
Ion Ratio Lower Upper
252 100
253 25.7 17.0 25.6#
125 19.4 9.0 13.6#

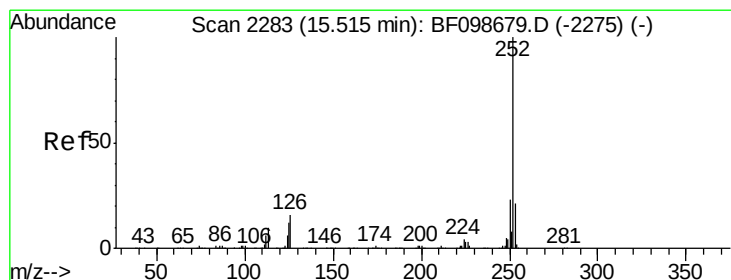
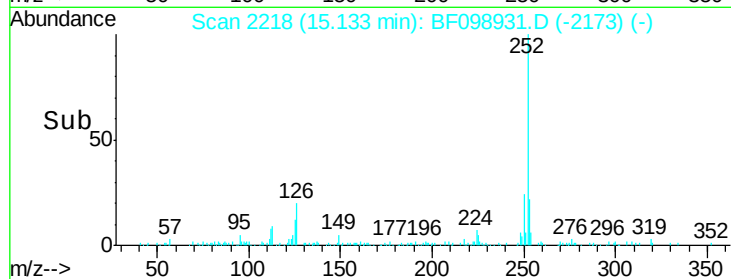
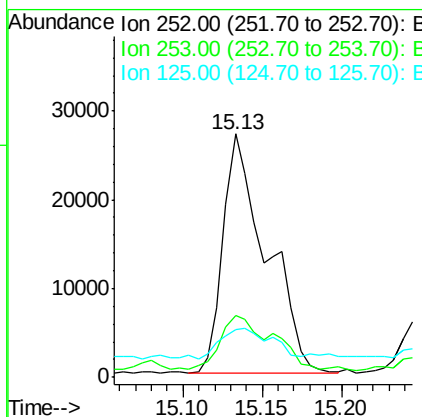
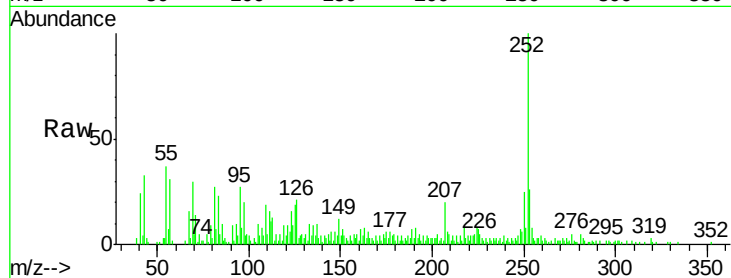




#88
Benzo(k)fluoranthene
Concen: 4.76 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

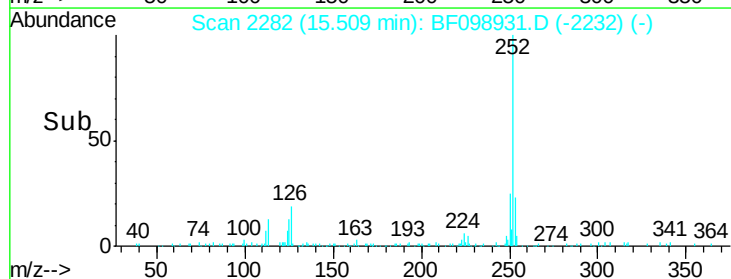
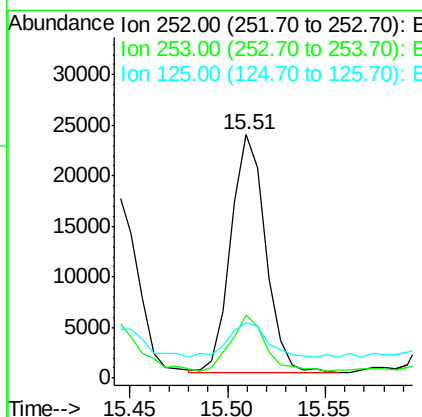
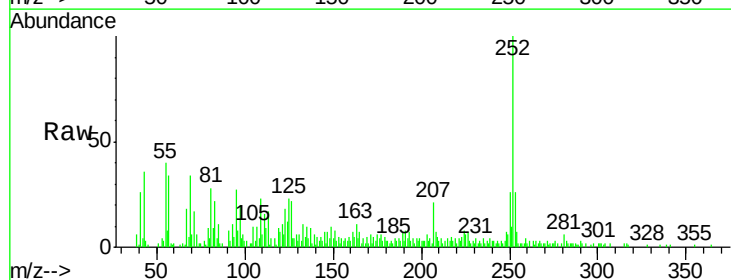
Instrument :
BNA_F
ClientSampleId :

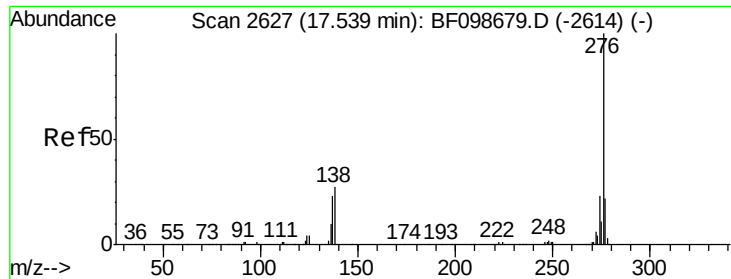
Tot Ion:252 Resp: 51017
Ion Ratio Lower Upper
252 100
253 25.7 17.9 26.9
125 19.4 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.92 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098931.D
Acq: 29 Sep 2017 2:40

Tgt Ion:252 Resp: 29092
Ion Ratio Lower Upper
252 100
253 25.9 17.1 25.7#
125 22.6 9.8 14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.04 ng
 RT: 17.55 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: BF098931.D
 Acq: 29 Sep 2017 2:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	37.7	21.8	32.8

