

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101839.D
 Acq On : 29 Dec 2017 19:47
 Operator : SJ/JU
 Sample : I7034-15
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 30 03:07:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	127763	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	461971	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	171785	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	297402	20.00	ng	0.00
75) Chrysene-d12	13.97	240	203515	20.00	ng	0.00
86) Perylene-d12	15.46	264	150773	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	165489	19.29	ng	0.02
7) Phenol-d6	6.45	99	193925	18.17	ng	0.02
23) Nitrobenzene-d5	7.36	82	115873	13.96	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	25178	15.21	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	222399	20.08	ng	0.00
78) Terphenyl-d14	12.90	244	175044	20.74	ng	0.00

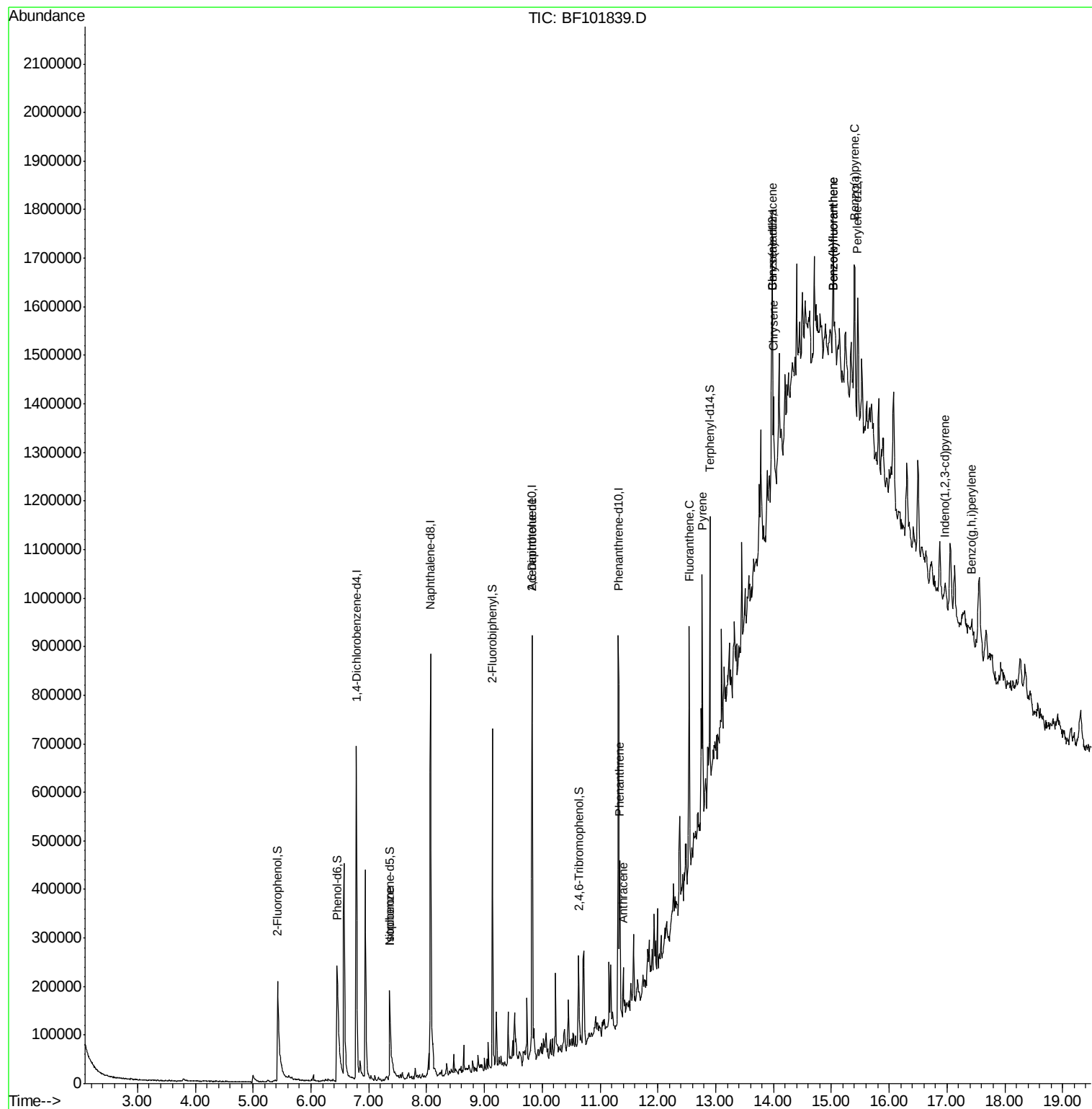
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.36	82	115873	6.960	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	24068	8.570	ng	# 26
70) Phenanthrene	11.34	178	128179	7.750	ng	98
71) Anthracene	11.40	178	38962	2.306	ng	96
74) Fluoranthene	12.54	202	211372	12.176	ng	97
77) Pyrene	12.77	202	212302	13.900	ng	99
80) Benzo(a)anthracene	13.97	228	76985	5.729	ng	# 93
82) Chrysene	14.00	228	74639	5.882	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.97	276	30716	2.718	ng	# 88
87) Benzo(b)fluoranthene	15.03	252	91932	10.004	ng	# 64
88) Benzo(k)fluoranthene	15.03	252	91932	10.289	ng	# 67
89) Benzo(a)pyrene	15.40	252	49904	5.891	ng	# 63
91) Benzo(a,h,i)perylene	17.43	276	32069	4.452	ng	# 77

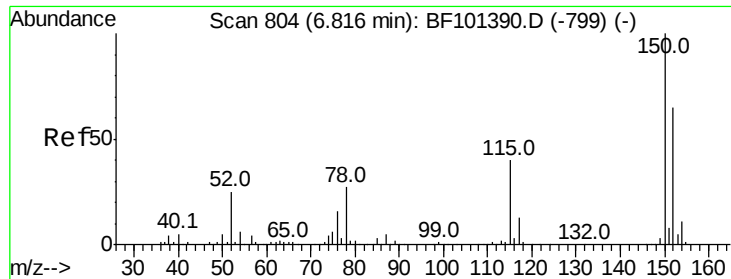
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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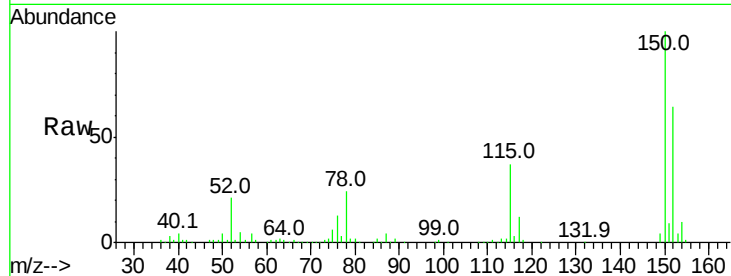


#1

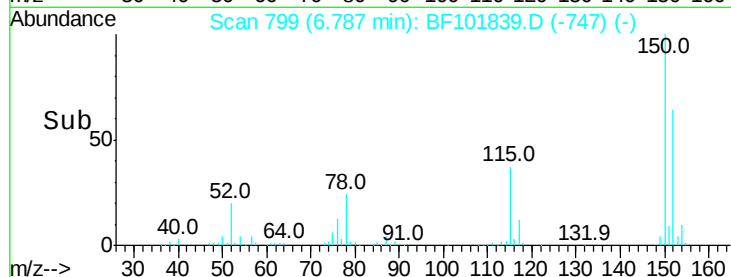
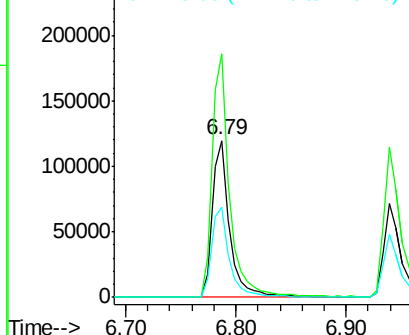
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 127763
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 57.6 50.1 75.1



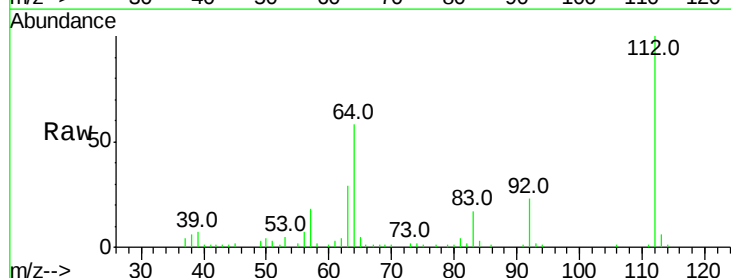
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



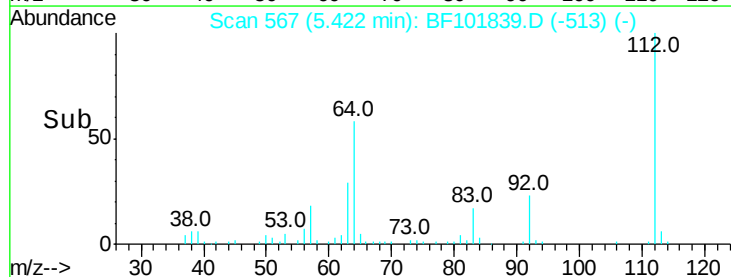
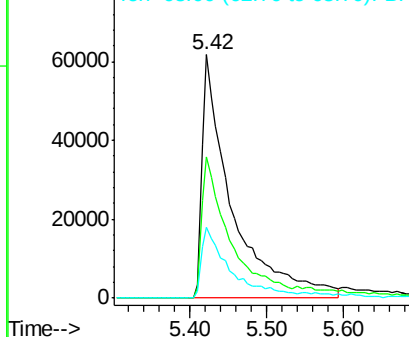
#5

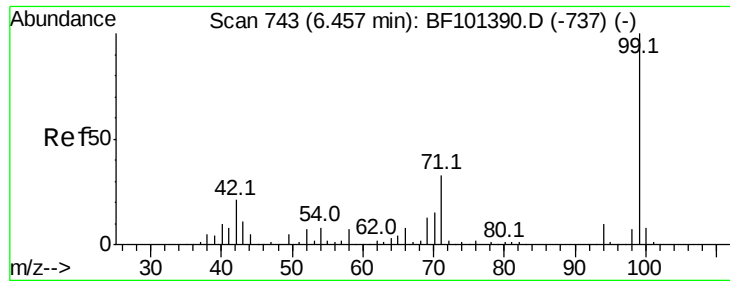
2-Fluorophenol
Concen: 19.294 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Tgt Ion:112 Resp: 165489
Ion Ratio Lower Upper
112 100
64 57.8 47.9 71.9
63 29.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 18.167 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Instrument :

BNA_F

ClientSampleId :

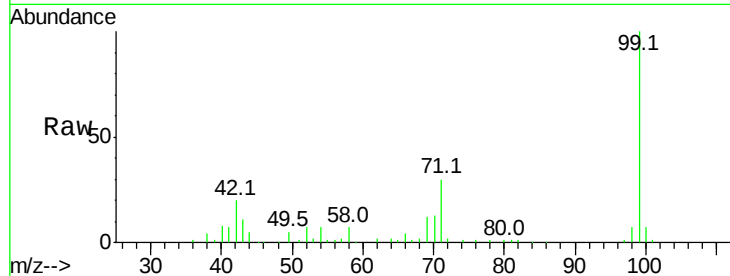
Tot Ion: 99 Resp: 193925

Ion Ratio Lower Upper

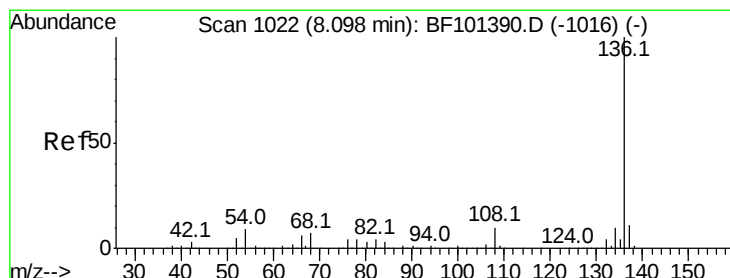
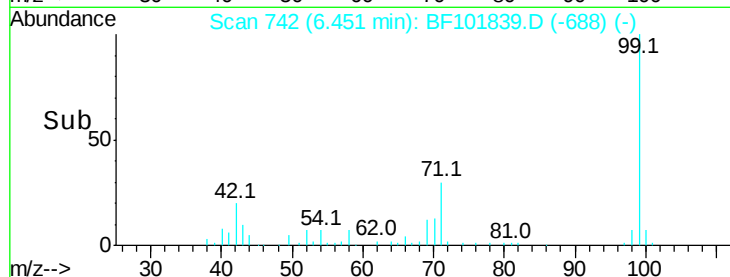
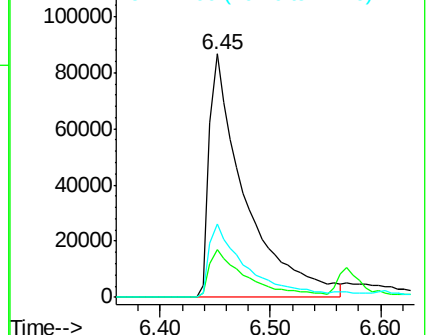
99 100

42 19.5 14.5 21.7

71 30.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Tgt Ion: 136 Resp: 461971

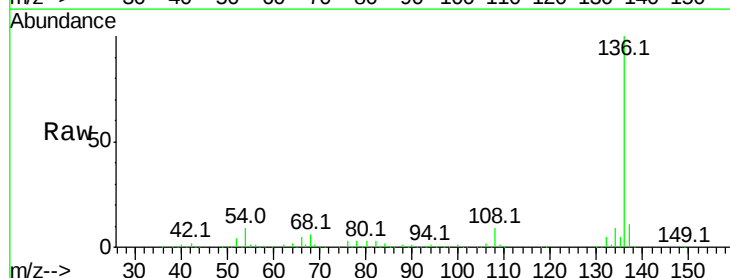
Ion Ratio Lower Upper

136 100

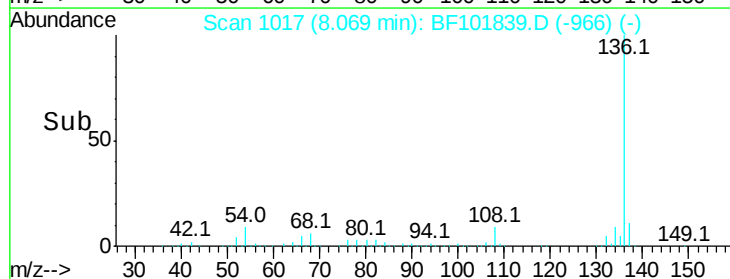
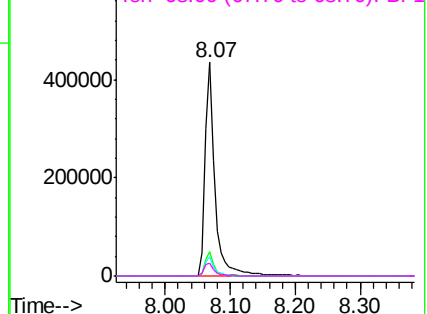
137 11.1 8.9 13.3

54 8.9 6.6 9.8

68 6.3 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): BF1
Ion 68.00 (67.70 to 68.70): BF1

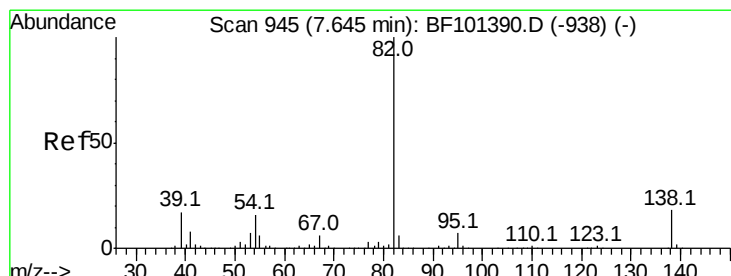
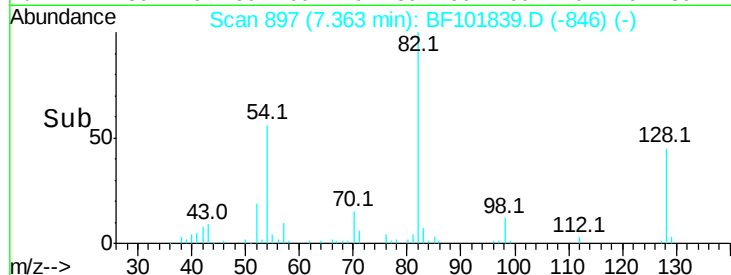
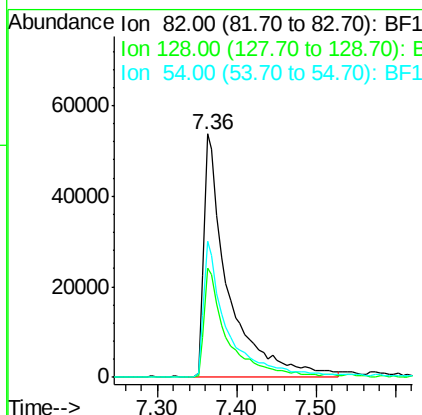
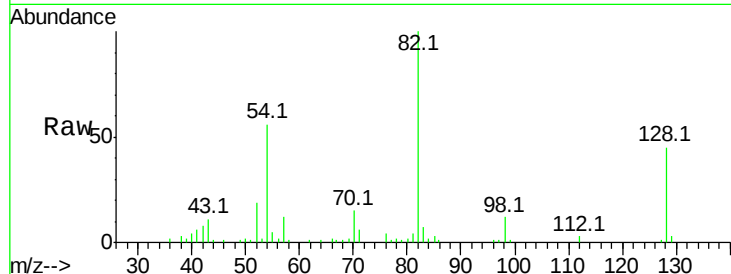




#23
 Nitrobenzene-d5
 Concen: 13.962 ng
 RT: 7.36 min Scan# 897
 Delta R.T. 0.00 min
 Lab File: BF101839.D
 Acq: 29 Dec 2017 19:47

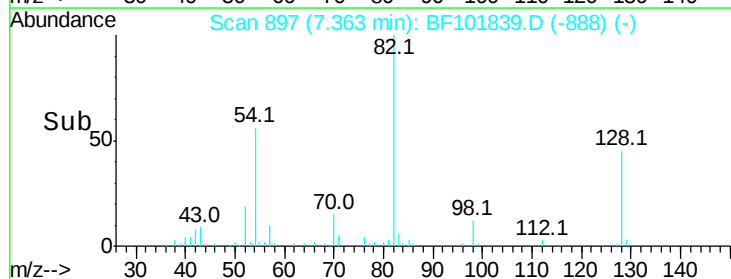
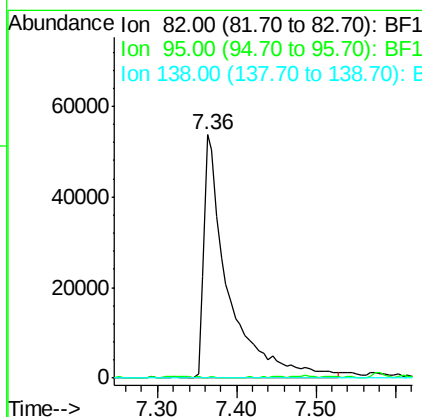
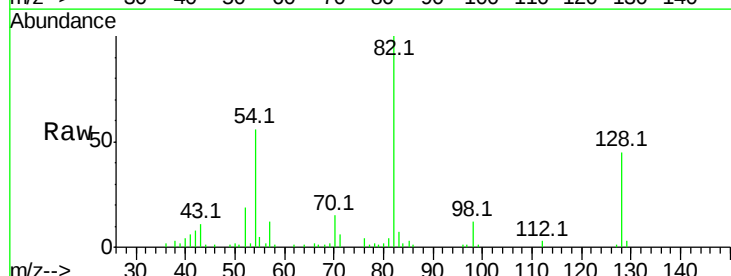
Instrument :
 BNA_F
 ClientSampled :

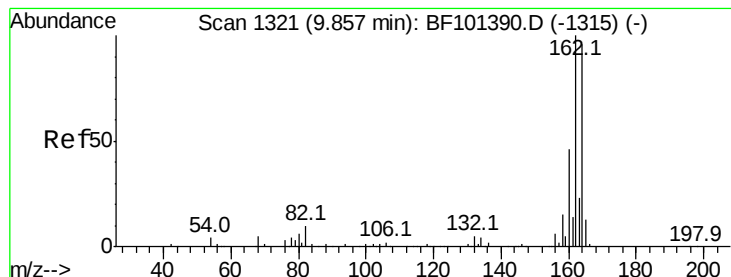
Tot Ion: 82 Resp: 115873
 Ion Ratio Lower Upper
 82 100
 128 44.9 36.1 54.1
 54 55.8 41.4 62.2



#25
 Isophorone
 Concen: 6.960 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.25 min
 Lab File: BF101839.D
 Acq: 29 Dec 2017 19:47

Tgt Ion: 82 Resp: 115873
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Instrument :

BNA_F

ClientSampled :

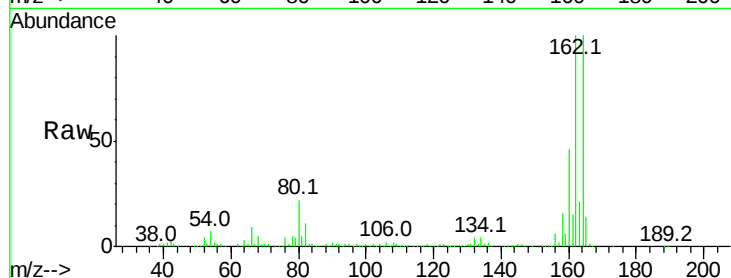
Tot Ion:164 Resp: 171785

Ion Ratio Lower Upper

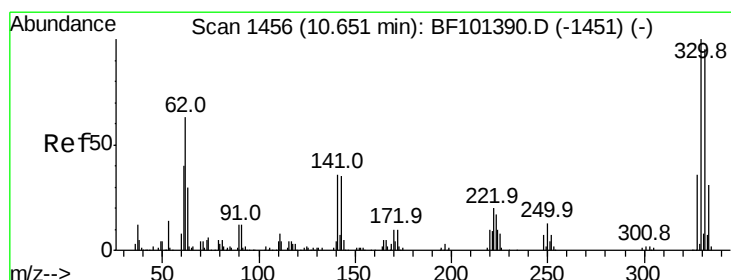
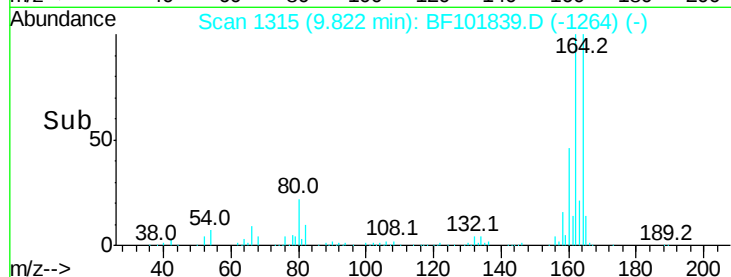
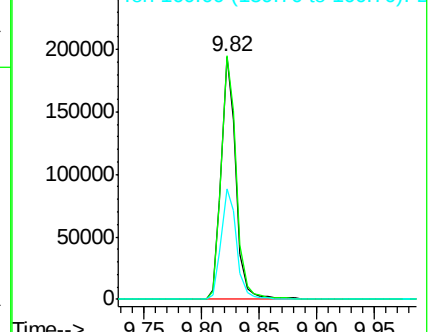
164 100

162 100.5 86.1 129.1

160 45.9 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: 15.211 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

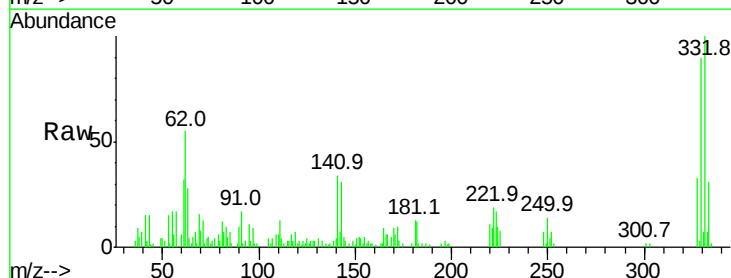
Tgt Ion:330 Resp: 25178

Ion Ratio Lower Upper

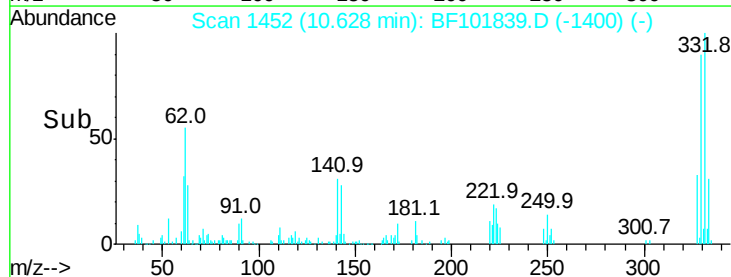
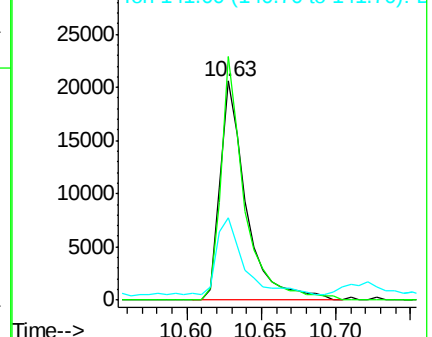
330 100

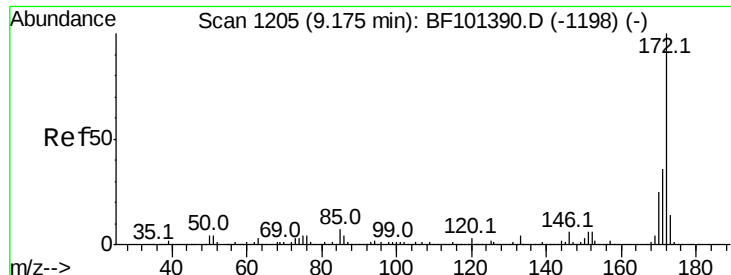
332 100.2 77.0 115.6

141 35.2 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

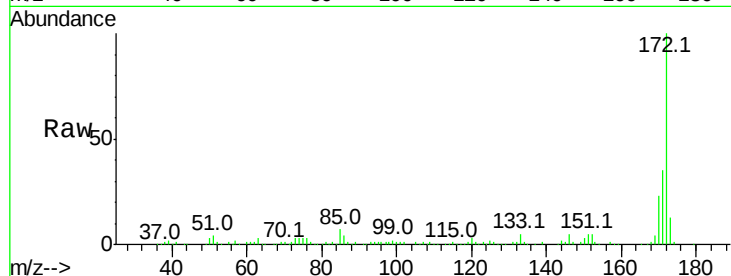




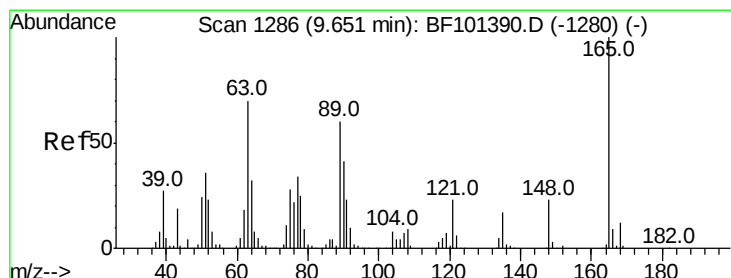
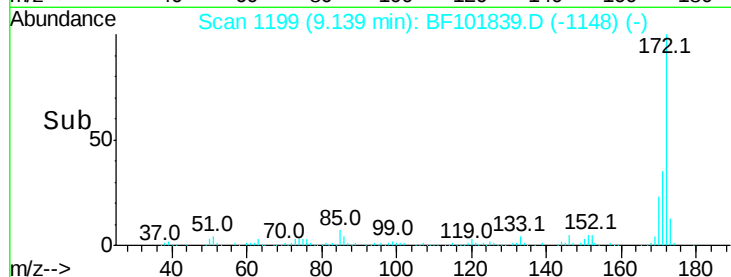
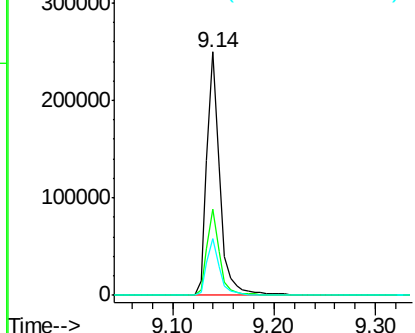
#44
2-Fluorobiphenyl
Concen: 20.083 ng
RT: 9.14 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 222399
Ion Ratio Lower Upper
172 100
171 35.3 29.7 44.5
170 23.3 19.6 29.4

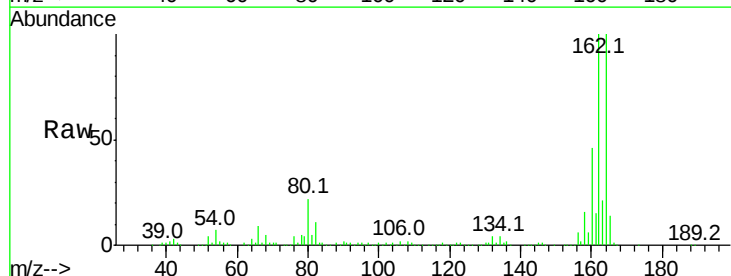


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

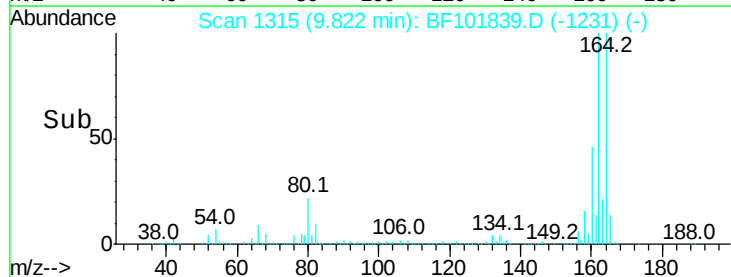
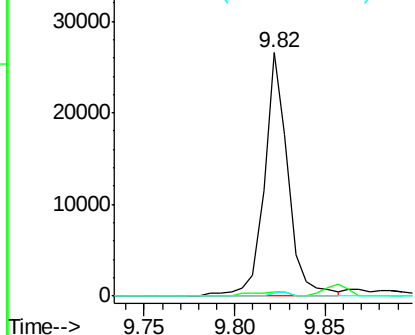


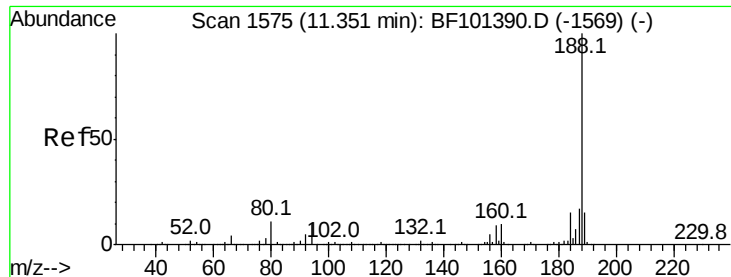
#50
2,6-Dinitrotoluene
Concen: 8.570 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.19 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Tgt Ion:165 Resp: 24068
Ion Ratio Lower Upper
165 100
63 1.8 44.7 67.1#
89 1.2 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

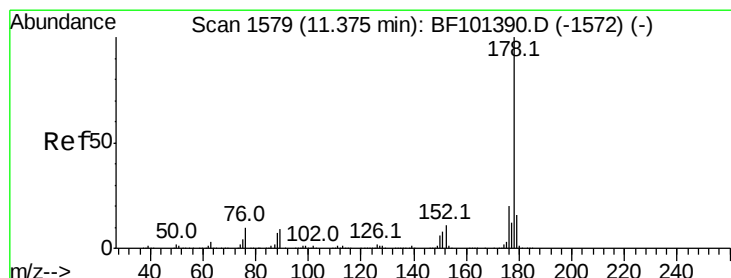
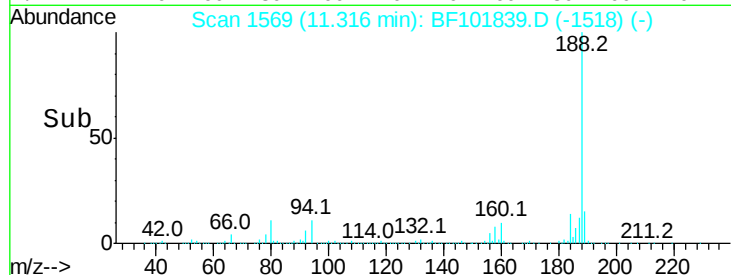
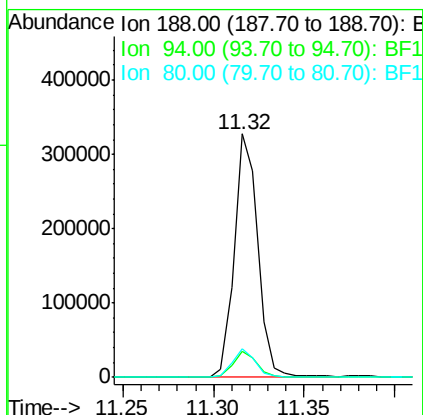
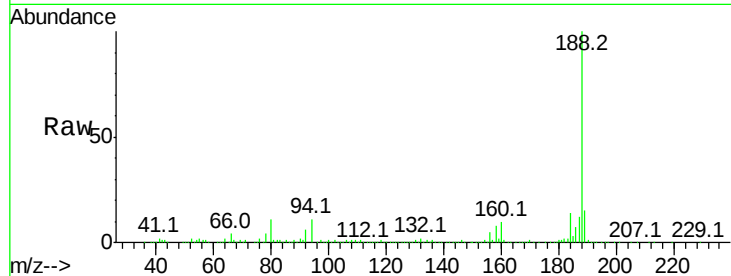




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

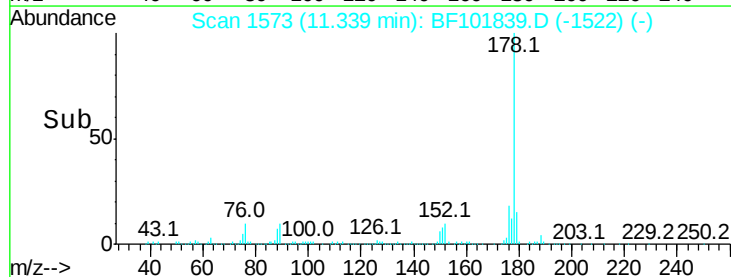
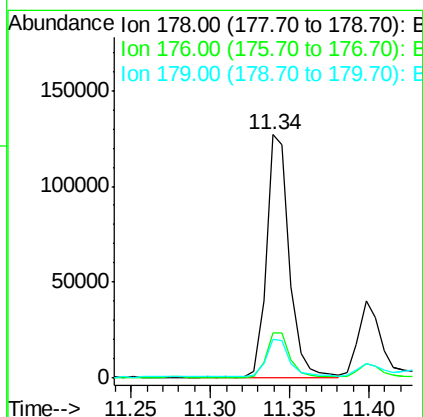
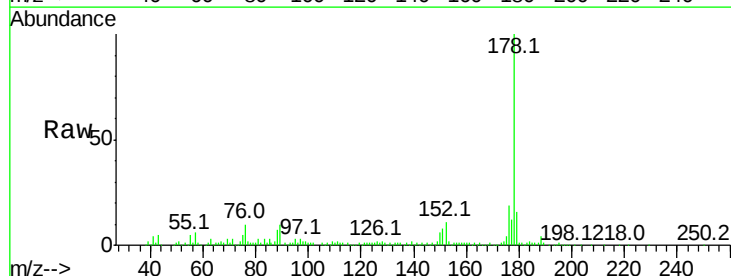
Instrument :
BNA_F
ClientSampleId :

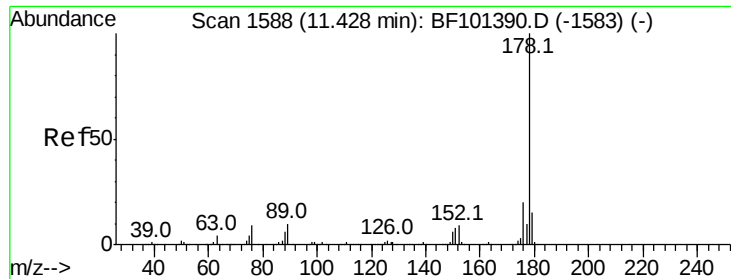
Tot Ion:188 Resp: 297402
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.5 9.2 13.8



#70
Phenanthrene
Concen: 7.750 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Tgt Ion:178 Resp: 128179
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 16.0 13.0 19.6

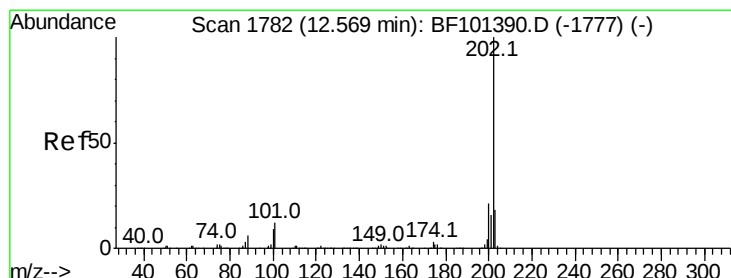
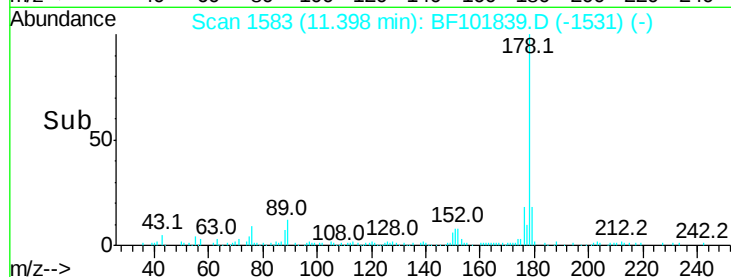
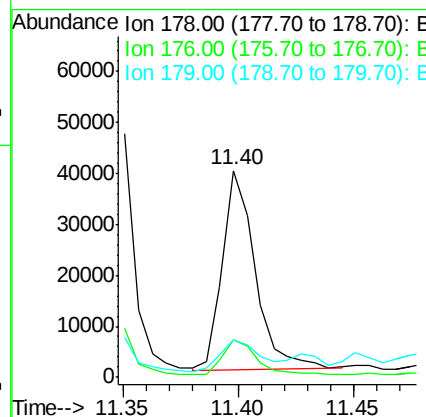
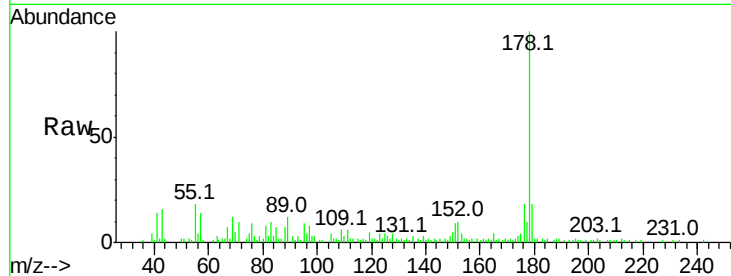




#71
 Anthracene
 Concen: 2.306 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101839.D
 Acq: 29 Dec 2017 19:47

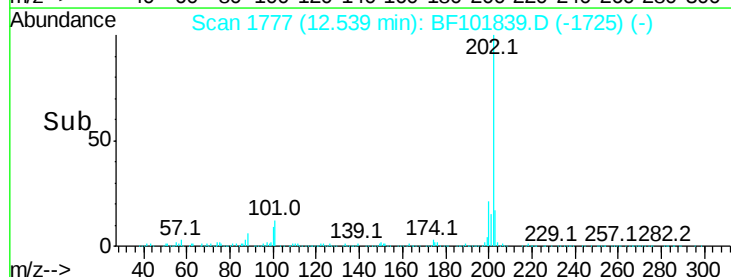
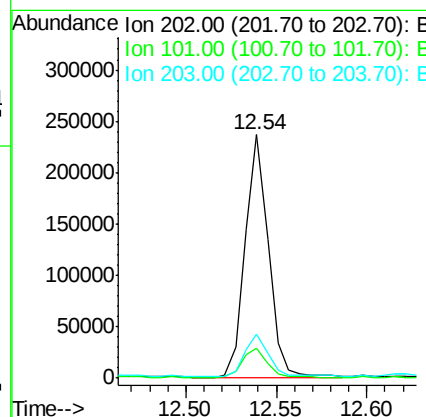
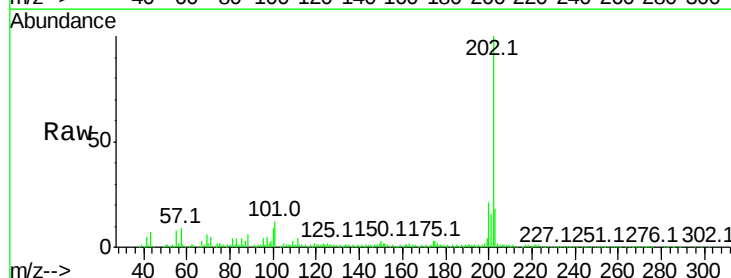
Instrument :
 BNA_F
 ClientSampleId :

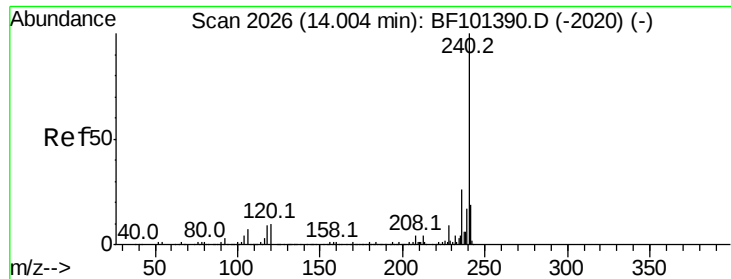
Tot Ion:178 Resp: 38962
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 18.3 12.6 19.0



#74
 Fluoranthene
 Concen: 12.176 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101839.D
 Acq: 29 Dec 2017 19:47

Tgt Ion:202 Resp: 211372
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 34.1
 203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Instrument :

BNA_F

ClientSampleId :

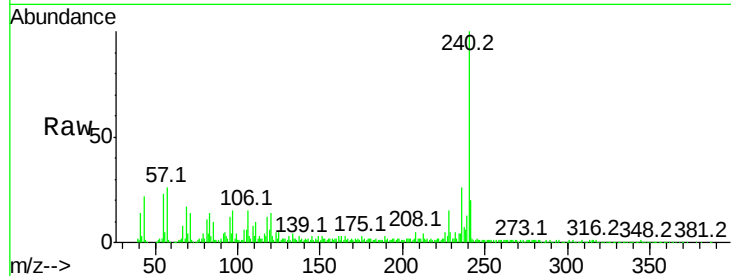
Tot Ion:240 Resp: 203515

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

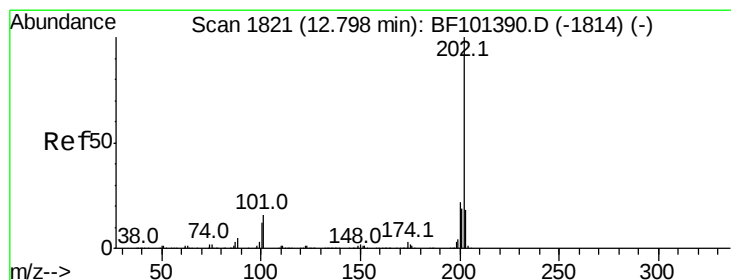
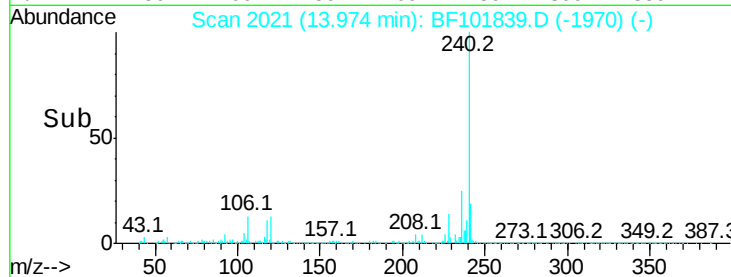
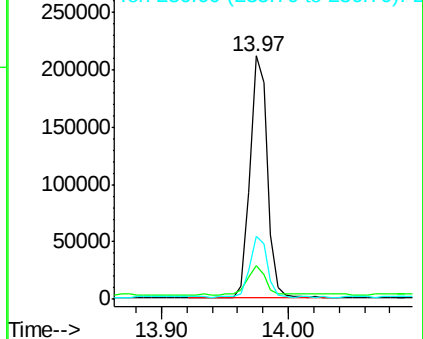
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 13.900 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

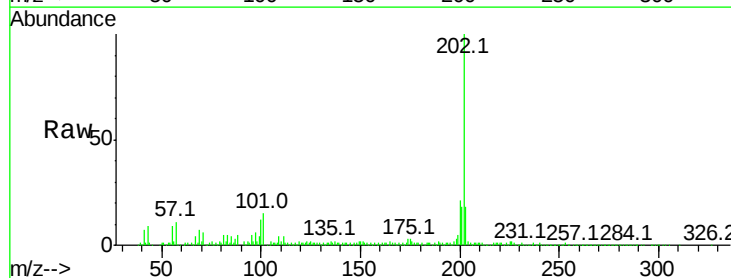
Tgt Ion:202 Resp: 212302

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

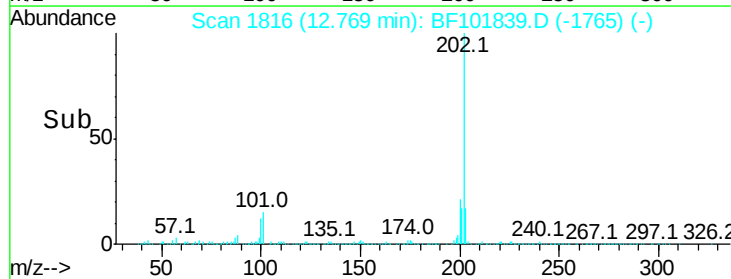
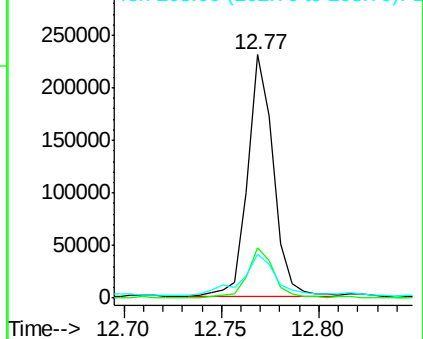
203 18.2 14.3 21.5

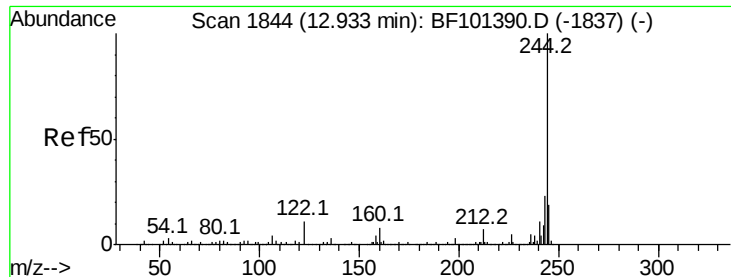


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 20.735 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Instrument :

BNA_F

ClientSampleId :

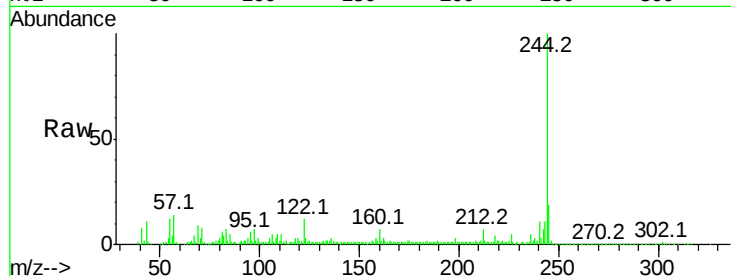
Tot Ion:244 Resp: 175044

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

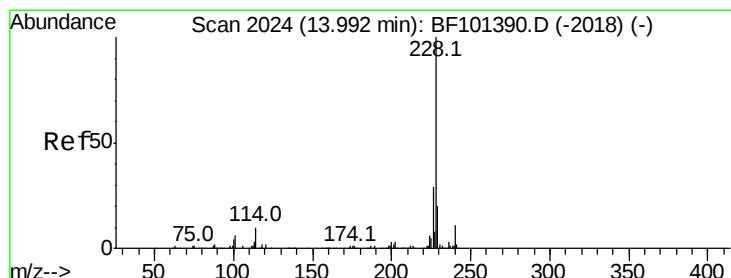
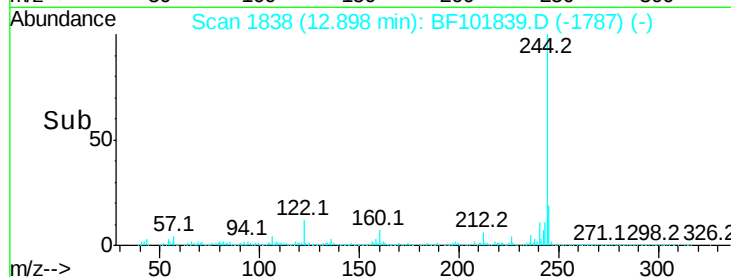
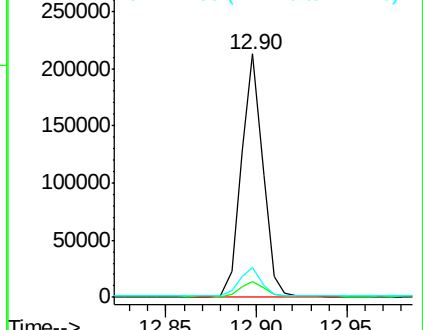
122 12.3 11.0 16.4



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: 5.729 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

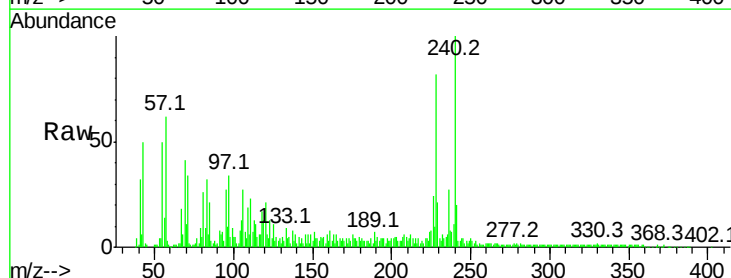
Tgt Ion:228 Resp: 76985

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

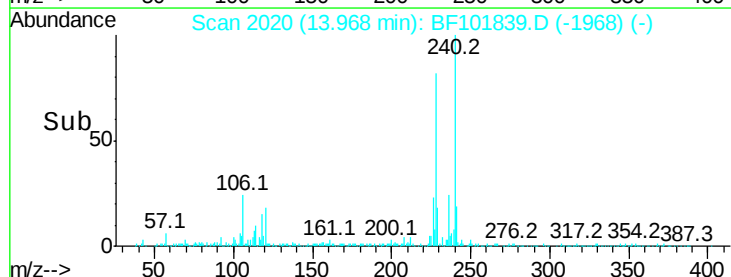
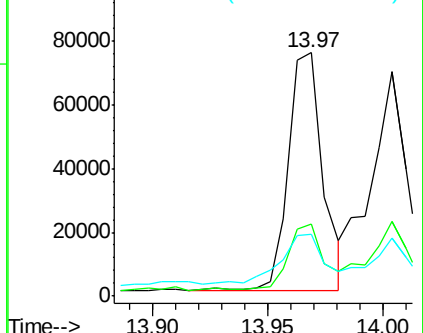
229 25.7 15.8 23.6#

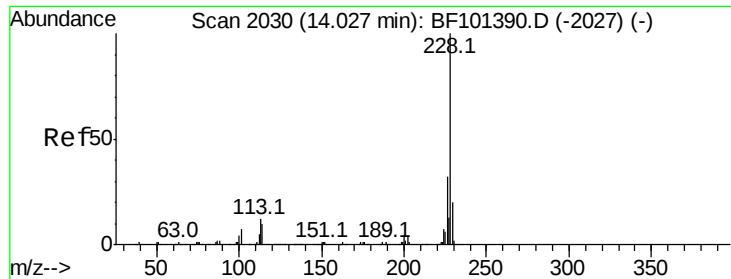


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

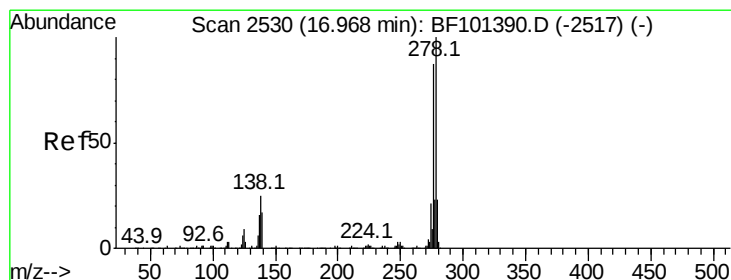
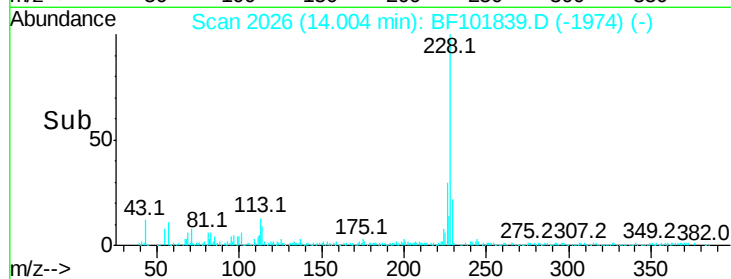
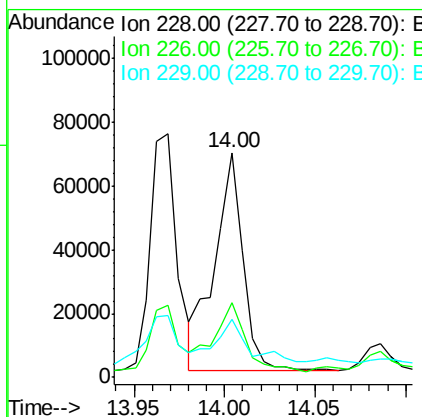
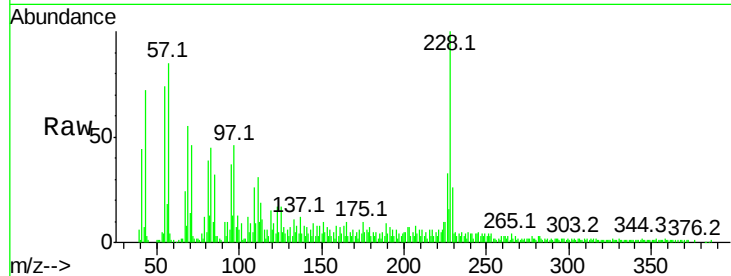




#82
Chrysene
Concen: 5.882 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

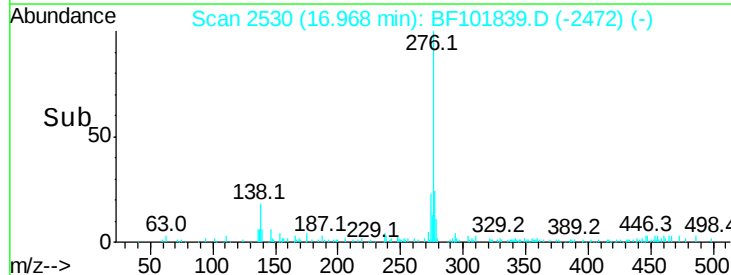
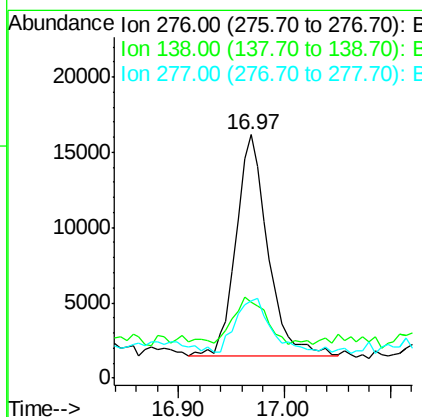
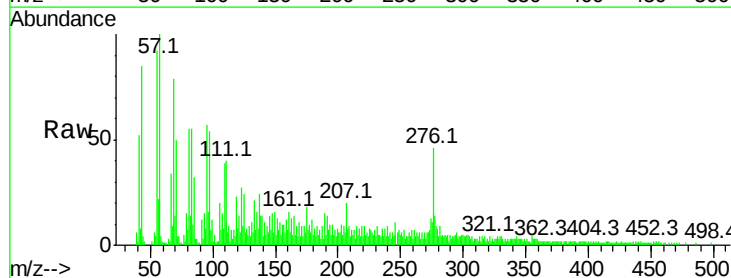
Instrument :
BNA_F
ClientSampleId :

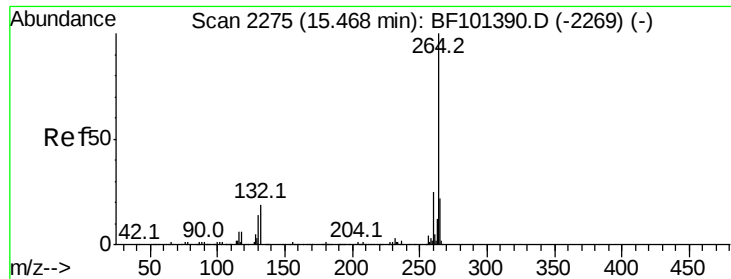
Tot Ion:228 Resp: 74639
Ion Ratio Lower Upper
228 100
226 33.0 25.0 37.6
229 25.9 16.2 24.4#



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.718 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.04 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Tgt Ion:276 Resp: 30716
Ion Ratio Lower Upper
276 100
138 21.3 25.0 37.6#
277 26.9 20.1 30.1

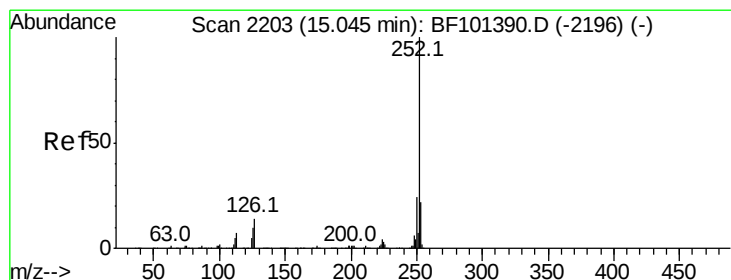
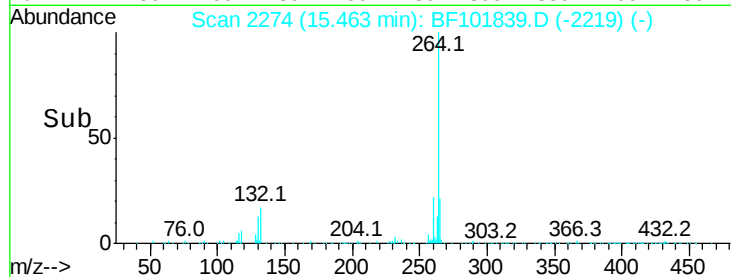
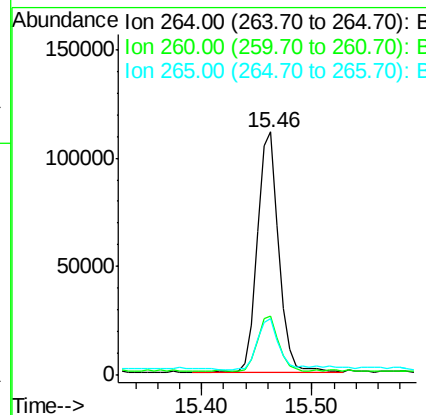
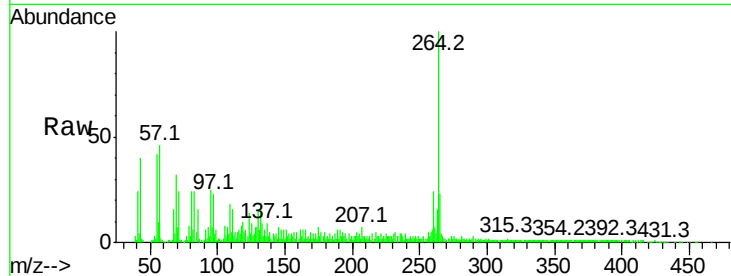




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

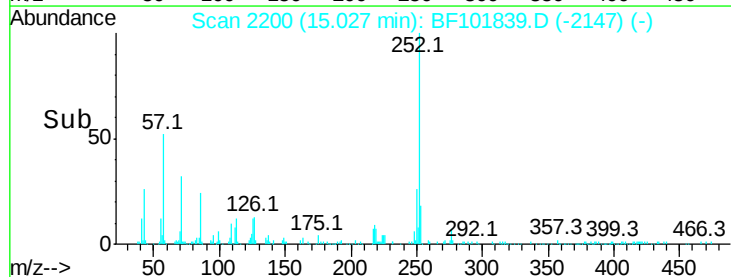
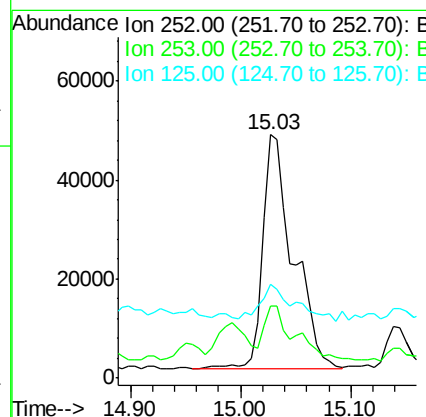
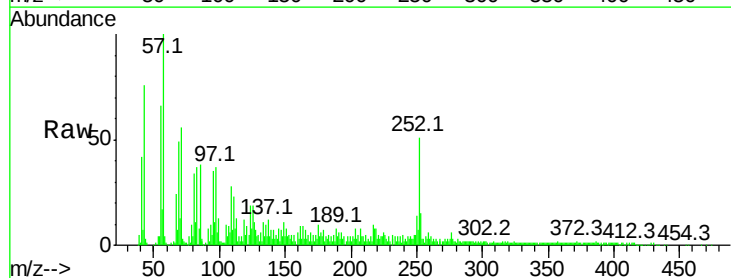
Instrument :
BNA_F
ClientSampleId :

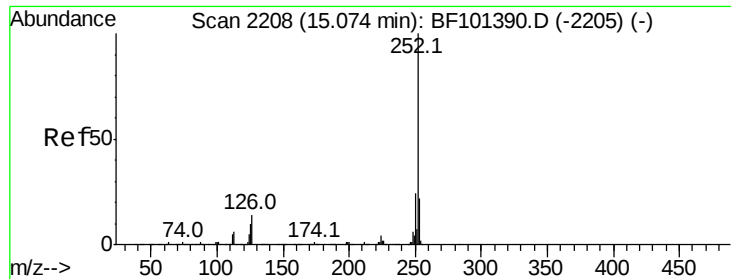
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	23.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 10.004 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.8	17.0	25.6#
125	38.3	9.0	13.6#

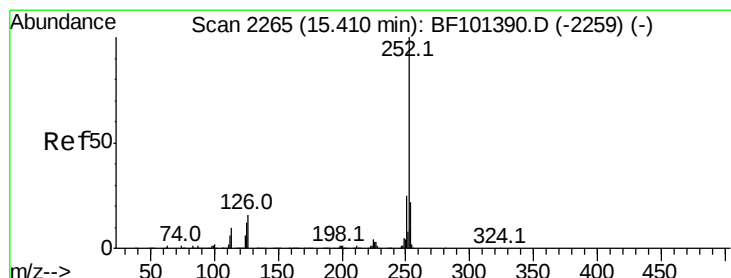
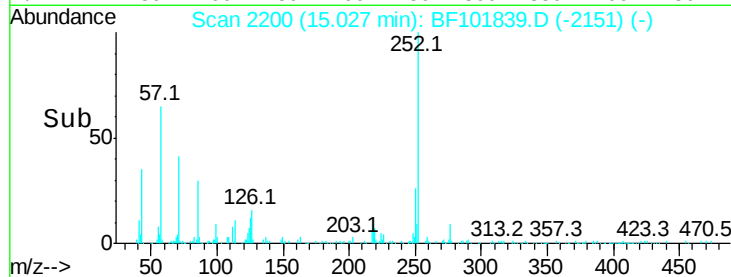
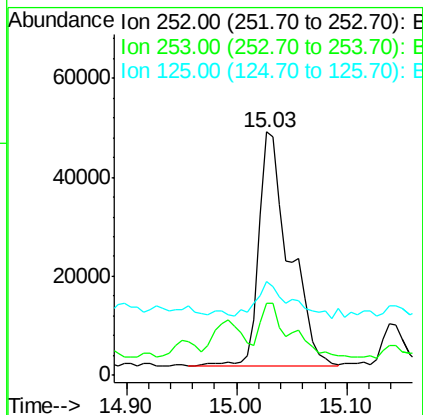
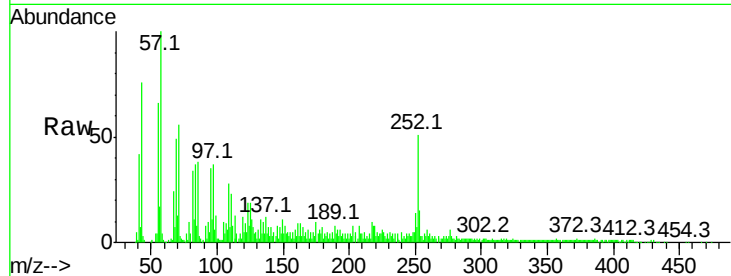




#88
Benzo(k)fluoranthene
Concen: 10.289 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

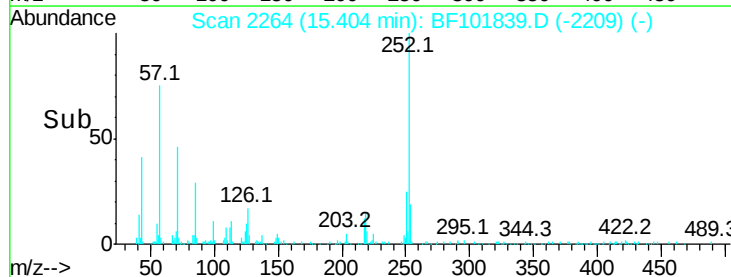
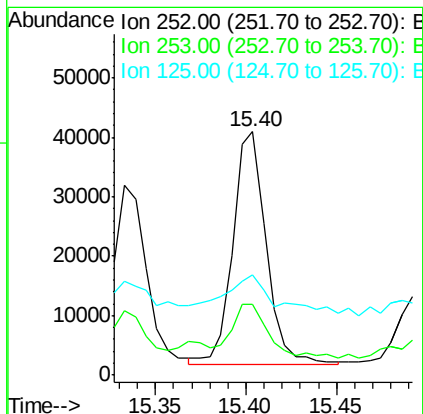
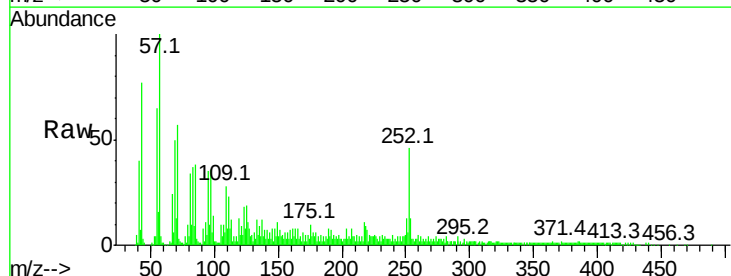
Instrument :
BNA_F
ClientSampleId :

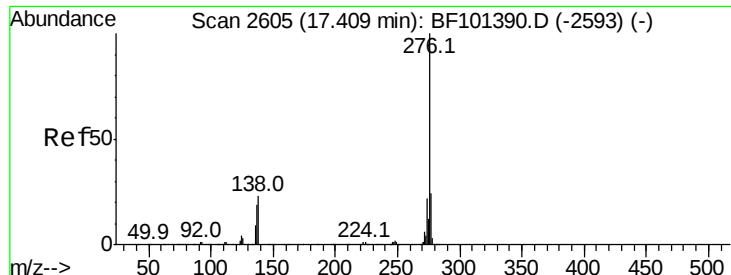
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.8	17.9	26.9#
125	38.3	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 5.891 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.02 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.0	17.1	25.7#
125	41.1	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 4.452 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.06 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Instrument :

BNA_F

ClientSampleId :

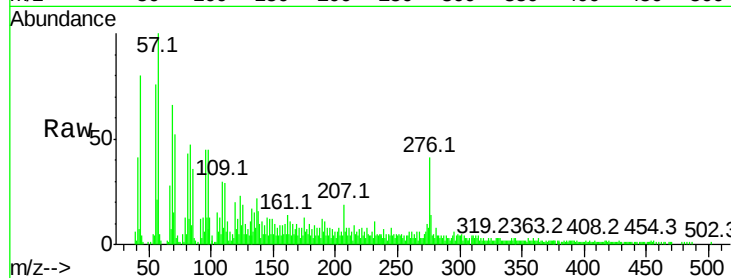
Tot Ion:276 Resp: 32069

Ion Ratio Lower Upper

276 100

277 34.5 17.9 26.9#

138 38.4 21.8 32.8#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

