

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101808.D
 Acq On : 28 Dec 2017 17:52
 Operator : SJ/JU
 Sample : I6970-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

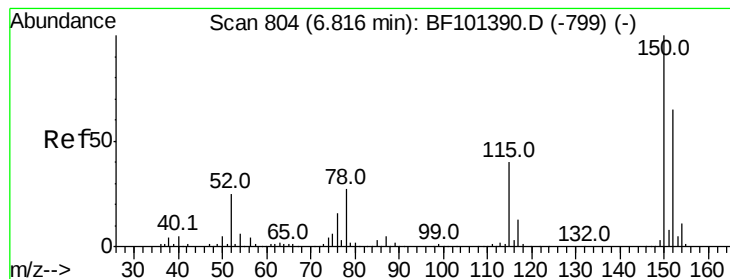
Quant Time: Dec 29 04:35:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	149857	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	576685	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	231807	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	365020	20.00	ng	0.00
75) Chrysene-d12	13.96	240	290113	20.00	ng	0.00
86) Perylene-d12	15.43	264	280961	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	617805	61.41	ng	0.00
7) Phenol-d6	6.43	99	1073871	85.77	ng	0.00
23) Nitrobenzene-d5	7.35	82	674628	65.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	6998	3.13	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	1077572	72.11	ng	0.00
78) Terphenyl-d14	12.89	244	764353	63.52	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	45977	3.222	ng	# 72
19) n-Nitroso-di-n-propylamine	7.35	70	88302	10.739	ng	# 82
25) Isophorone	7.35	82	674628	32.462	ng	# 64
49) Dimethylphthalate	9.54	163	63955	3.430	ng	98
50) 2,6-Dinitrotoluene	9.82	165	30937	8.164	ng	# 26
51) Acenaphthene	9.85	154	29909	2.004	ng	97
57) Fluorene	10.37	166	36963	2.303	ng	98
70) Phenanthrene	11.33	178	350186	17.251	ng	99
71) Anthracene	11.39	178	99061	4.777	ng	98
74) Fluoranthene	12.53	202	352401	16.539	ng	96
77) Pyrene	12.76	202	379117	17.412	ng	100
80) Benzo(a)anthracene	13.96	228	163814	8.551	ng	97
82) Chrysene	13.99	228	152863	8.451	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	61152	3.797	ng	93
87) Benzo(b)fluoranthene	15.01	252	202647	11.833	ng	# 95
88) Benzo(k)fluoranthene	15.01	252	202647	12.171	ng	97
89) Benzo(a)pyrene	15.37	252	119198	7.550	ng	# 96
91) Benzo(g,h,i)perylene	17.37	276	58979	4.394	ng	95

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

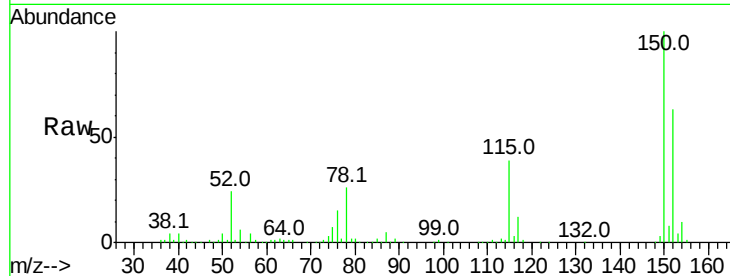


#1

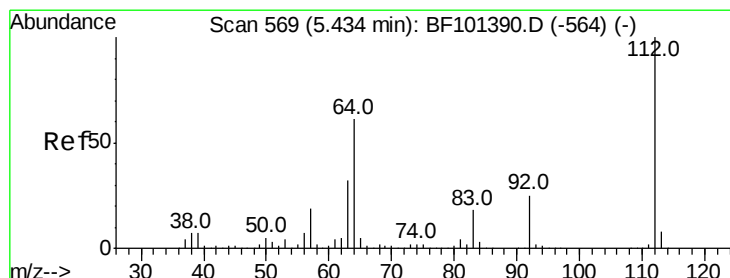
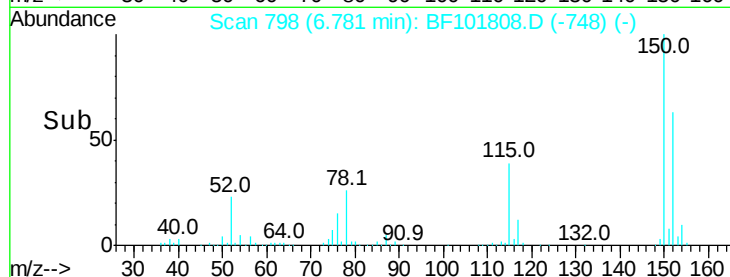
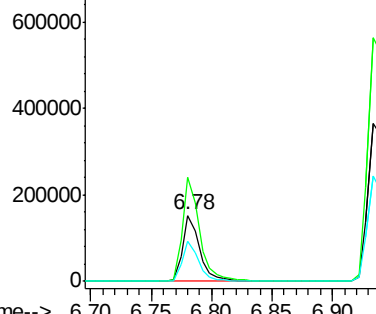
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149857
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 61.7 50.1 75.1



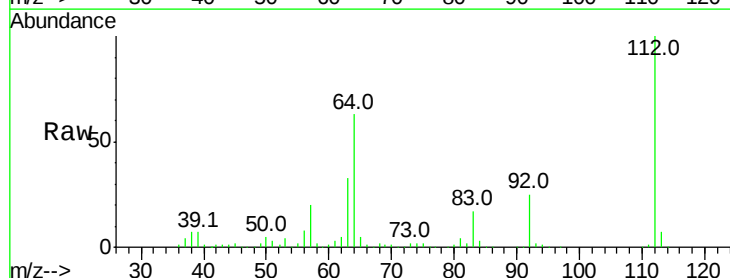
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



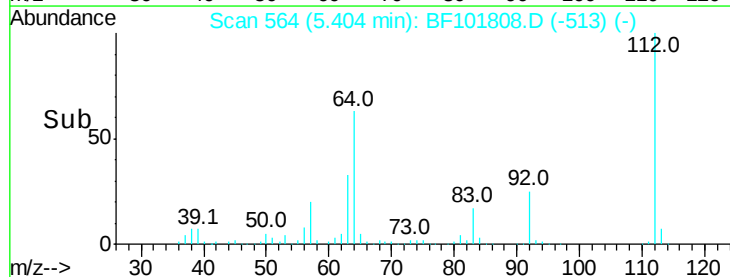
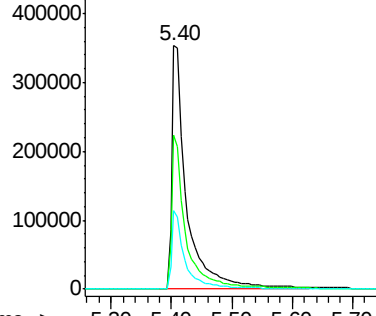
#5

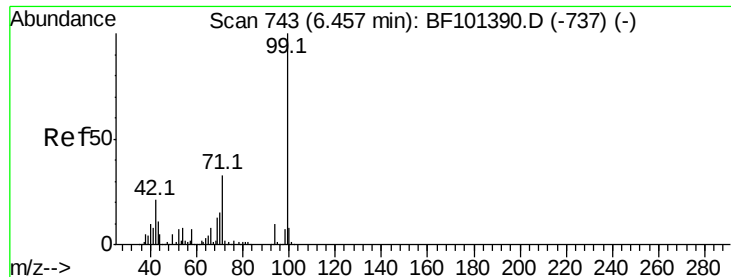
2-Fluorophenol
Concen: 61.410 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion:112 Resp: 617805
Ion Ratio Lower Upper
112 100
64 63.5 47.9 71.9
63 32.5 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: 85.769 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

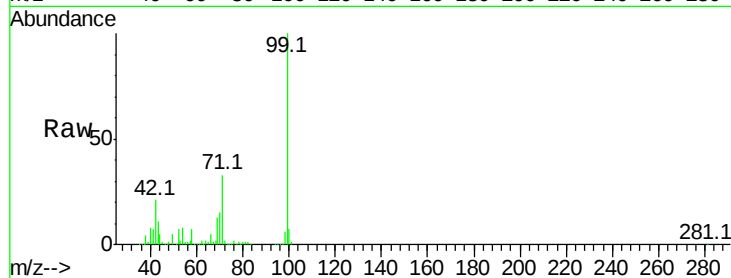
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1073871

Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.5	21.7
71	32.9	25.4	38.0

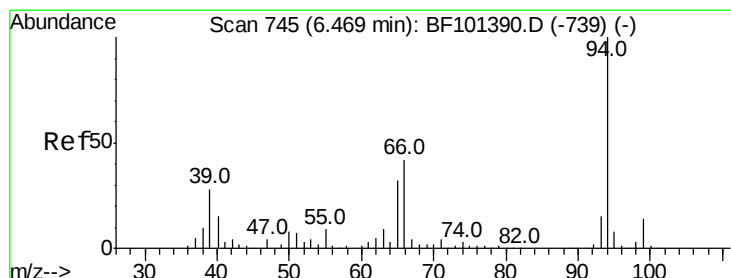
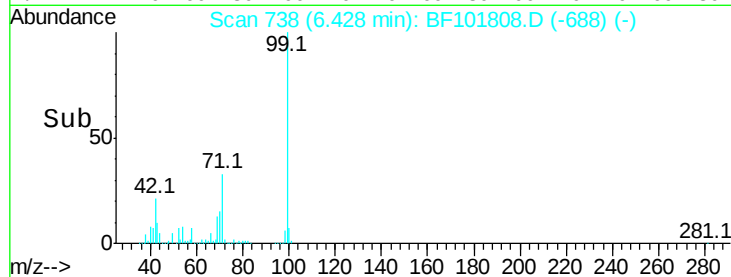


Abundance

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



#10

Phenol

Concen: 3.222 ng

RT: 6.45 min Scan# 741

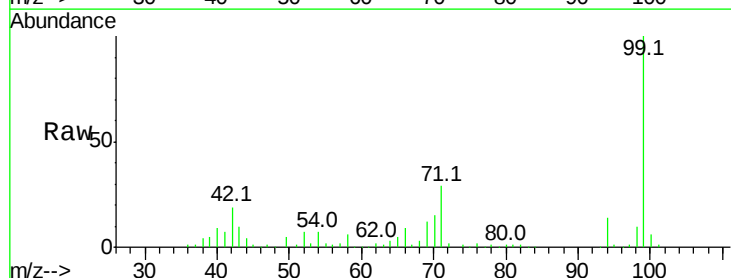
Delta R.T. -0.00 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Tgt Ion: 94 Resp: 45977

Ion	Ratio	Lower	Upper
94	100		
65	32.1	7.9	47.9
66	61.5	16.2	56.2

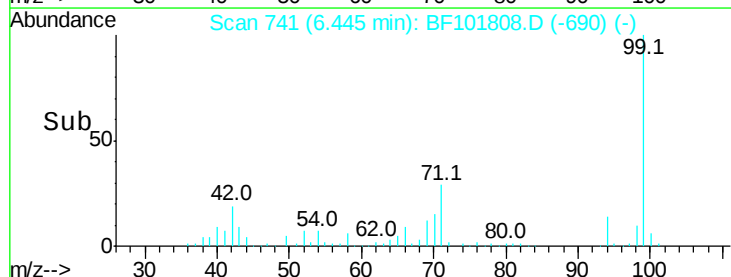


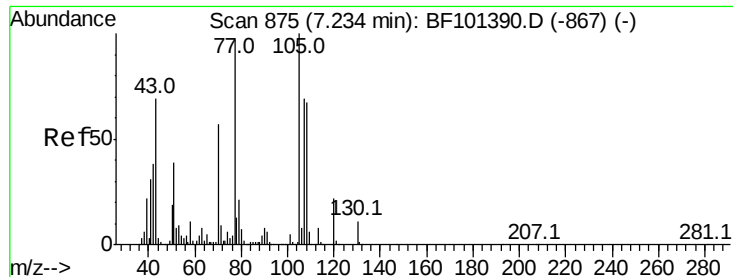
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

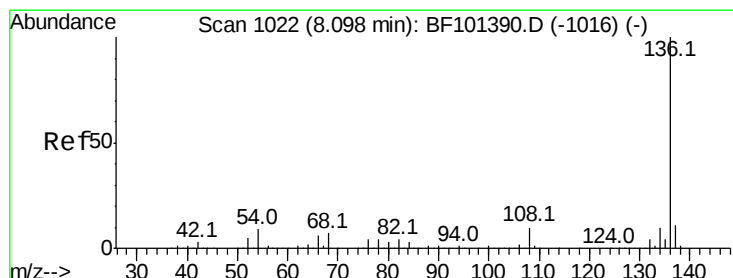
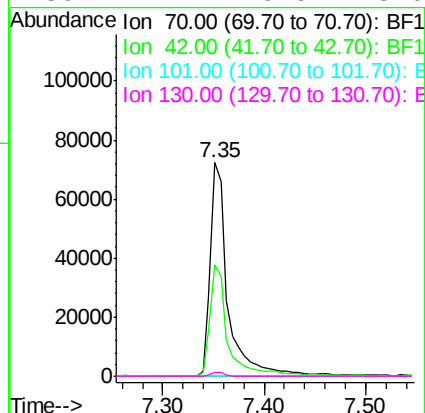
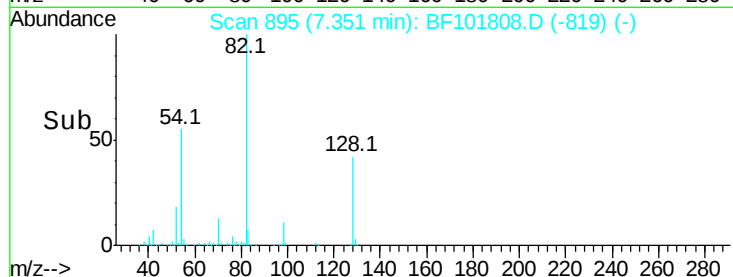
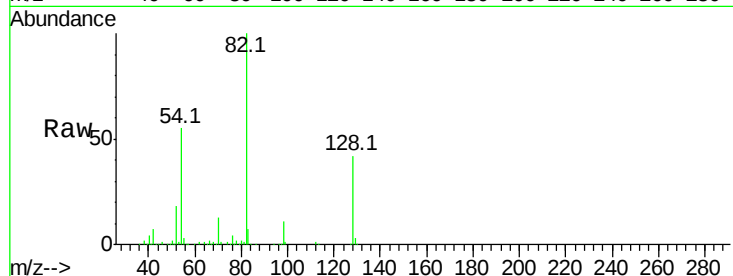




#19
n-Nitroso-di-n-propylamine
Concen: 10.739 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.15 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

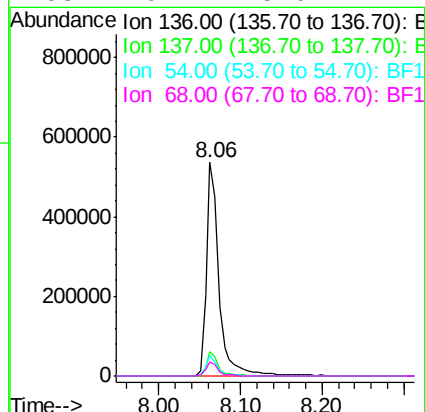
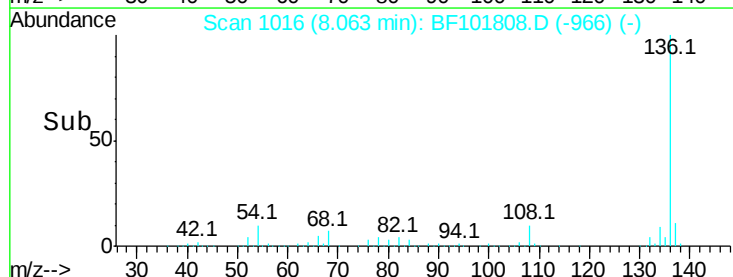
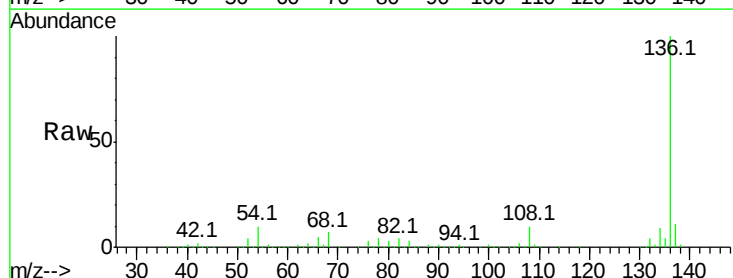
Instrument :
BNA_F
ClientSampleId :

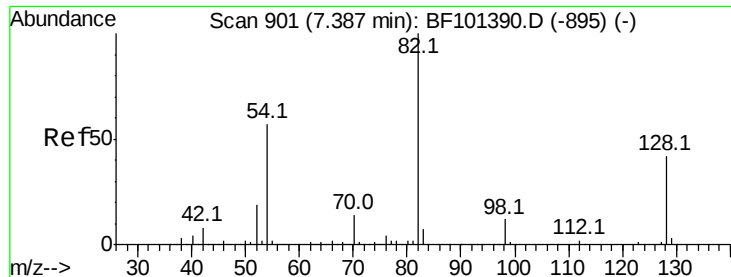
Tot Ion: 70 Resp: 88302
Ion Ratio Lower Upper
70 100
42 52.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion: 136 Resp: 576685
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.6 6.6 9.8
68 6.7 5.0 7.4

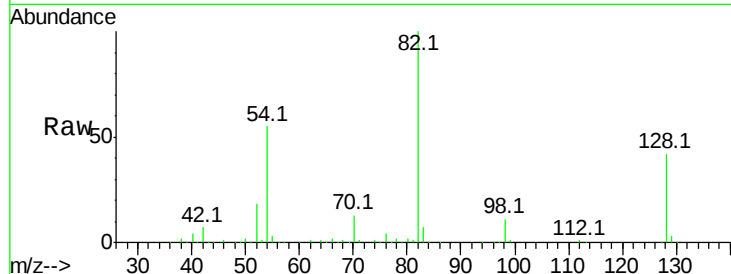




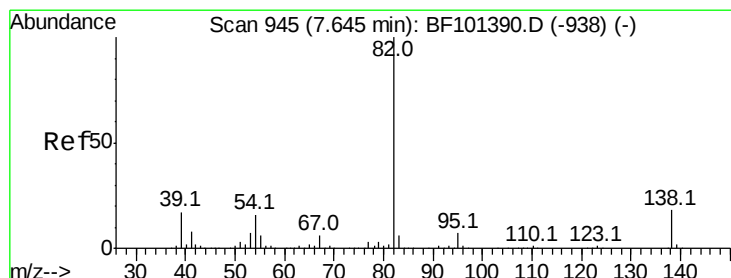
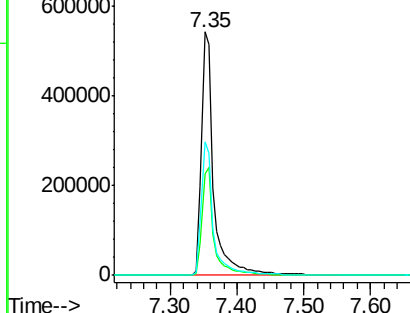
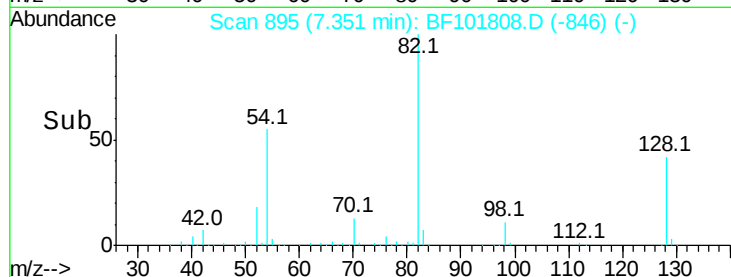
#23
Nitrobenzene-d5
Concen: 65.120 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	54.7	41.4	62.2

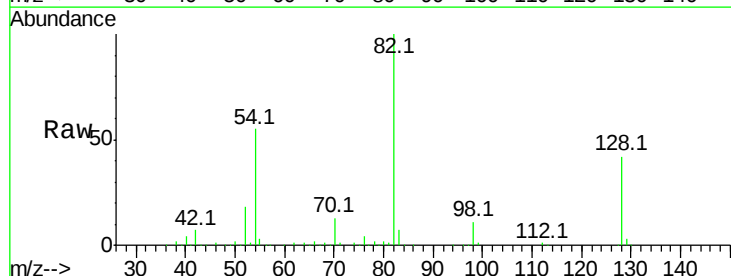


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

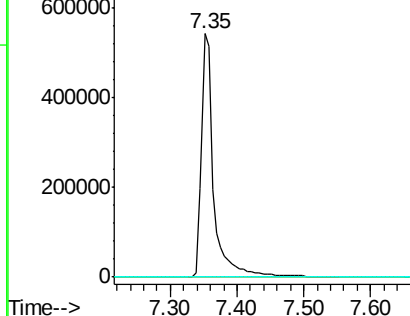
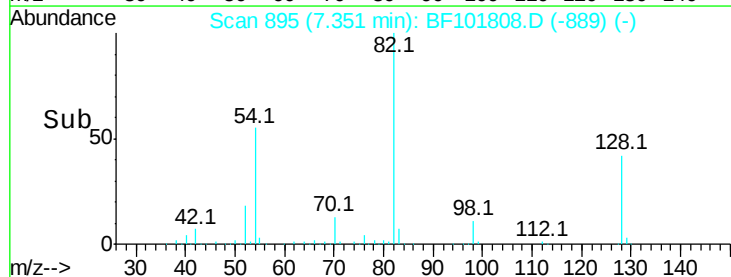


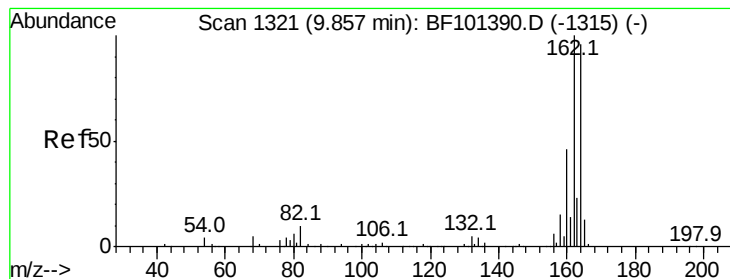
#25
Isophorone
Concen: 32.462 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt 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): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Instrument :

BNA_F

ClientSampleId :

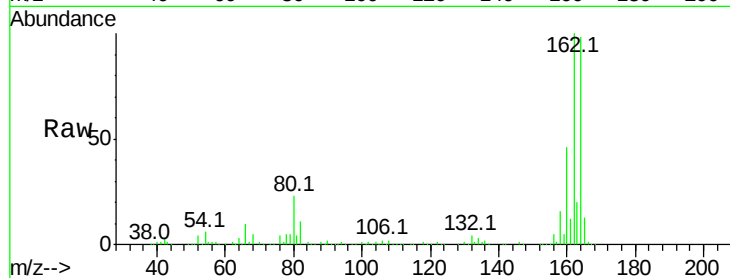
Tot Ion:164 Resp: 231807

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

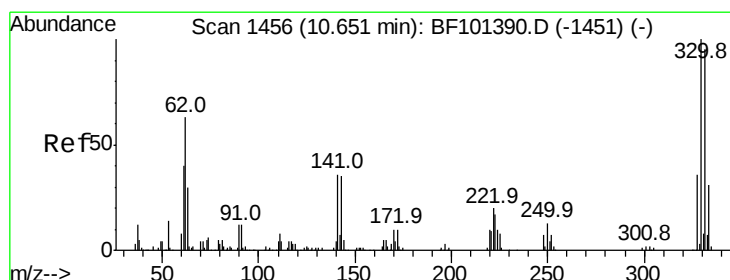
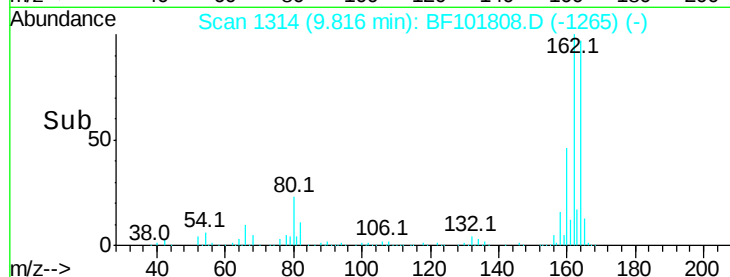
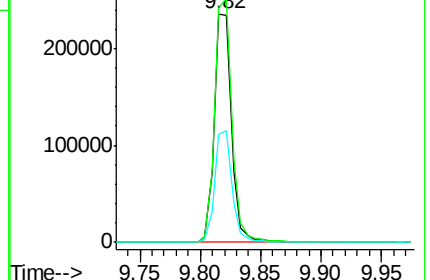
160 47.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 3.133 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

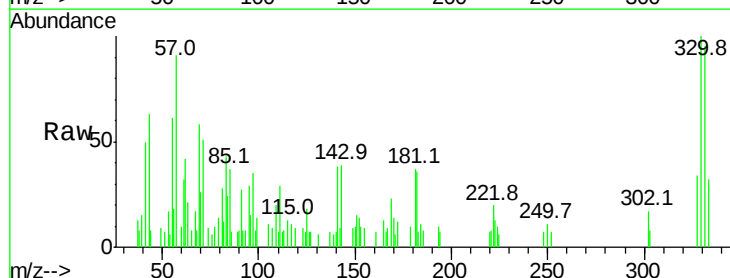
Tgt Ion:330 Resp: 6998

Ion Ratio Lower Upper

330 100

332 94.1 77.0 115.6

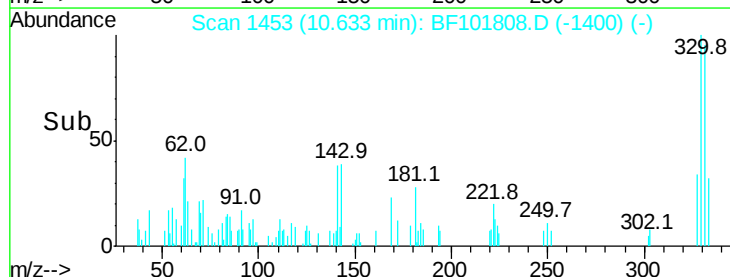
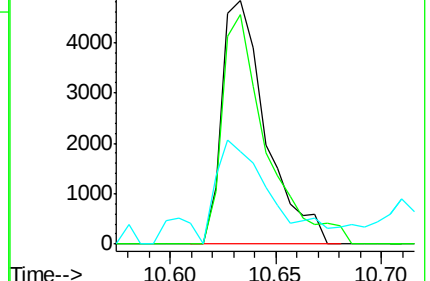
141 54.6 29.9 44.9#

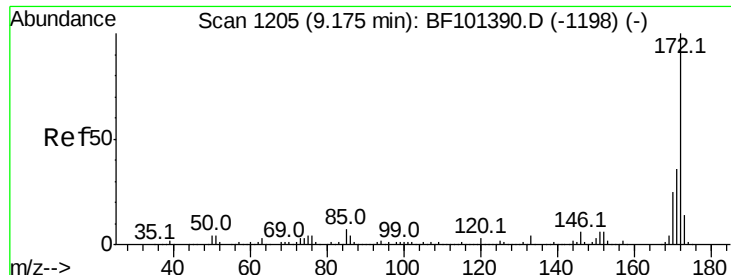


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

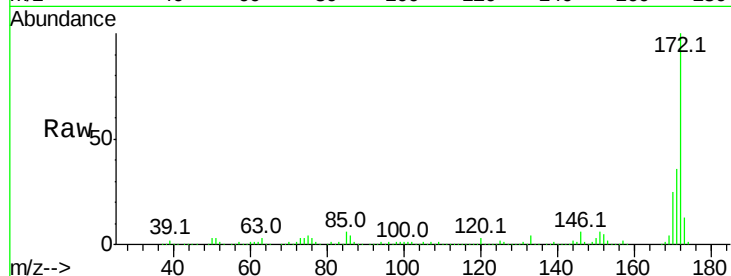




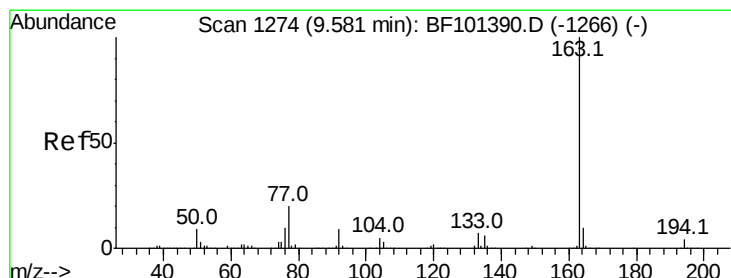
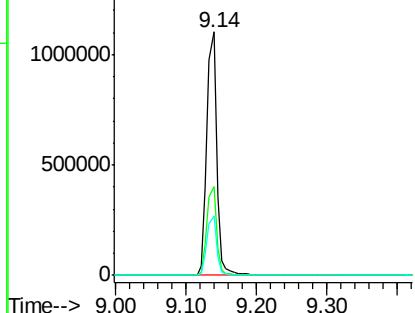
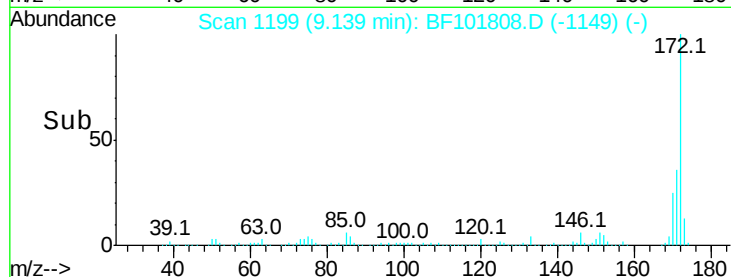
#44
2-Fluorobiphenyl
Concen: 72.111 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1077572
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.6 19.6 29.4

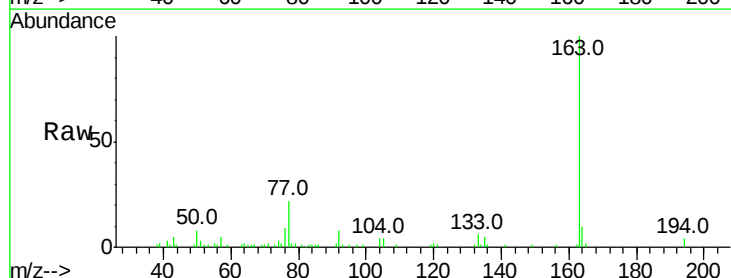


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

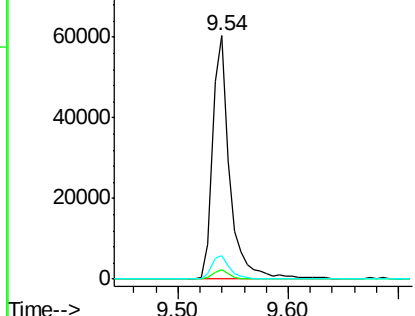
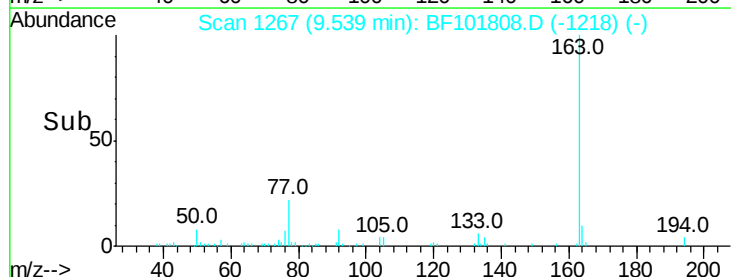


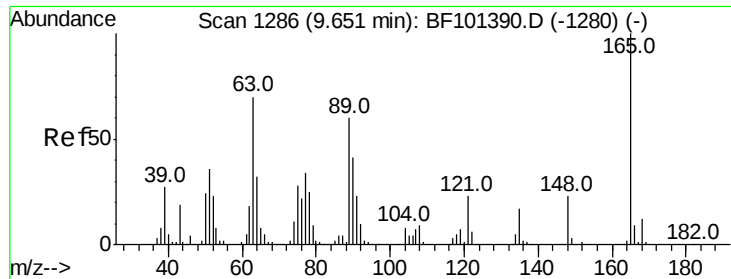
#49
Dimethylphthalate
Concen: 3.430 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion:163 Resp: 63955
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 8.164 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.19 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Instrument :

BNA_F

ClientSampleId :

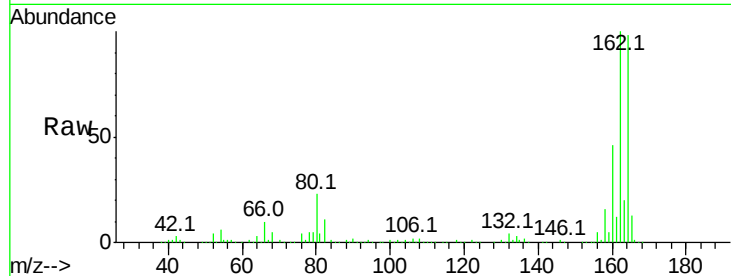
Tot Ion:165 Resp: 30937

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

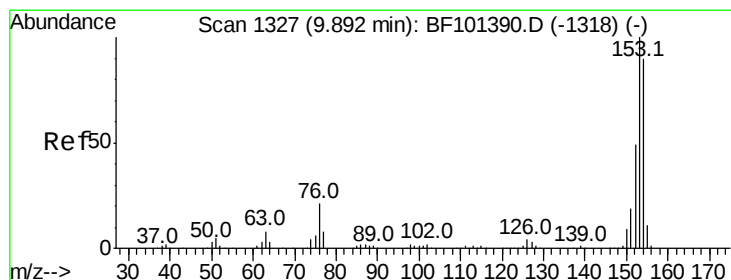
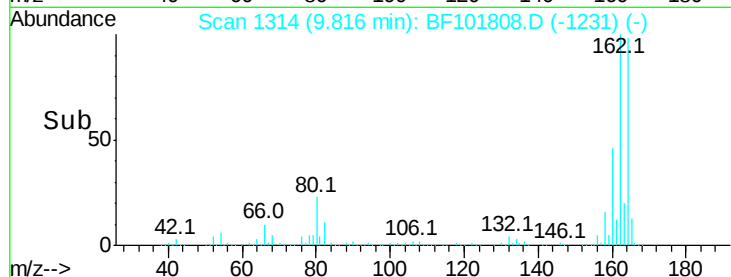
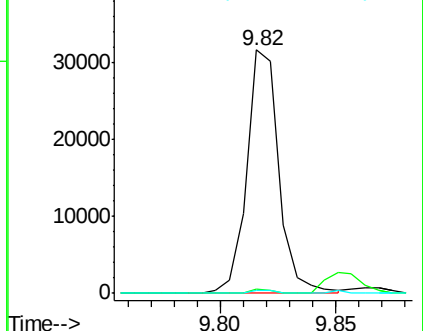
89 1.2 44.0 66.0#



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



#51

Acenaphthene

Concen: 2.004 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

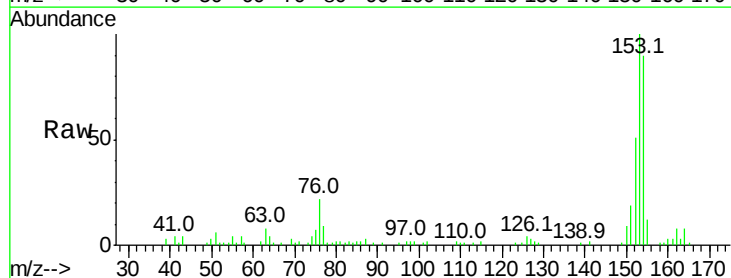
Tgt Ion:154 Resp: 29909

Ion Ratio Lower Upper

154 100

153 110.8 91.2 136.8

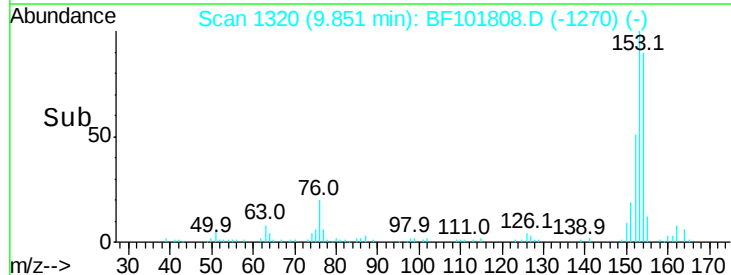
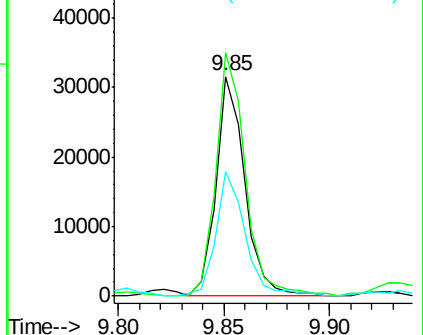
152 56.5 43.8 65.8

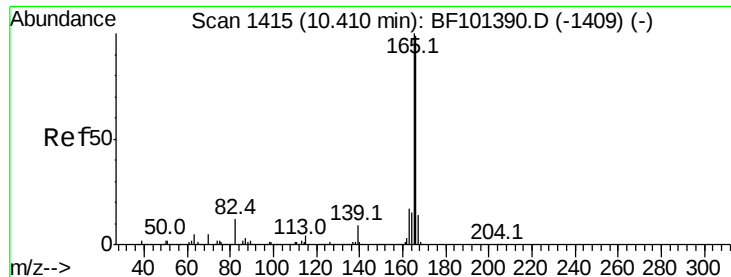


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 2.303 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Instrument :

BNA_F

ClientSampleId :

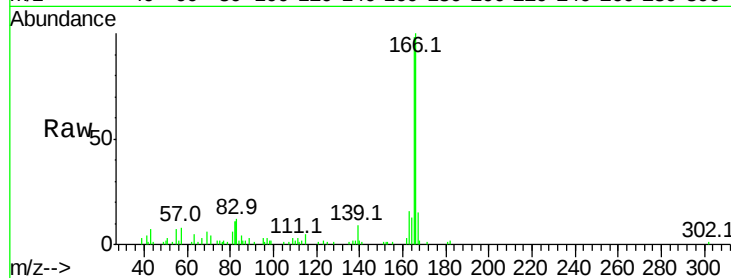
Tot Ion:166 Resp: 36963

Ion Ratio Lower Upper

166 100

165 97.8 79.8 119.8

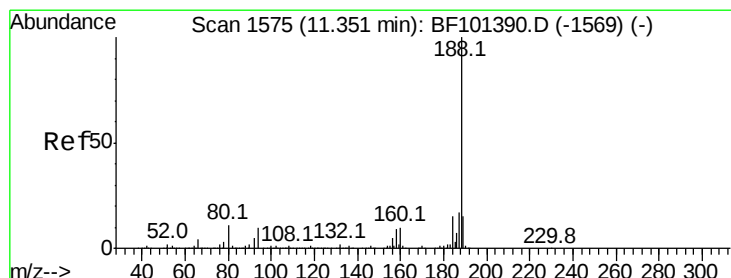
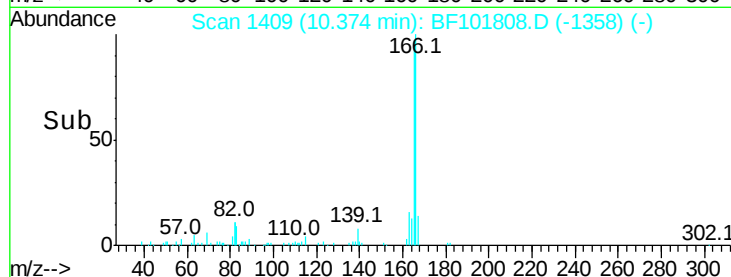
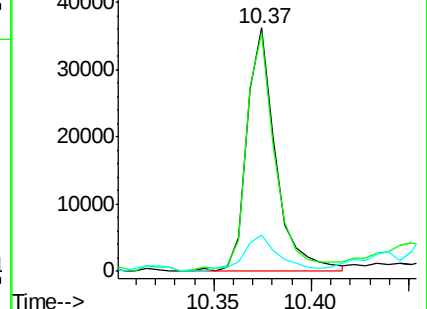
167 15.1 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

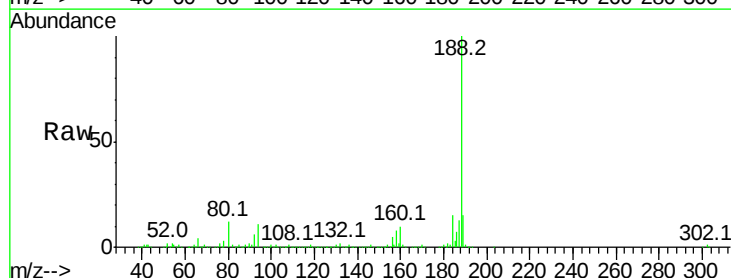
Tgt Ion:188 Resp: 365020

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

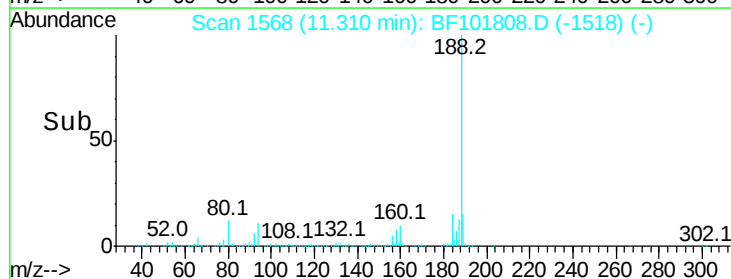
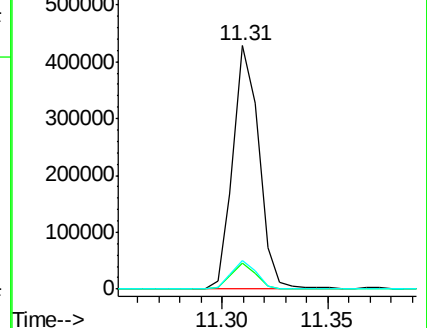
80 11.6 9.2 13.8

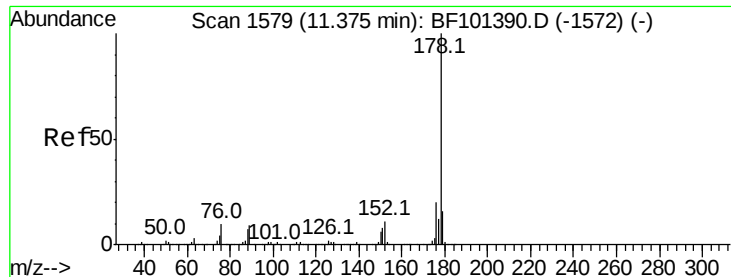


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 17.251 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Instrument :

BNA_F

ClientSampleId :

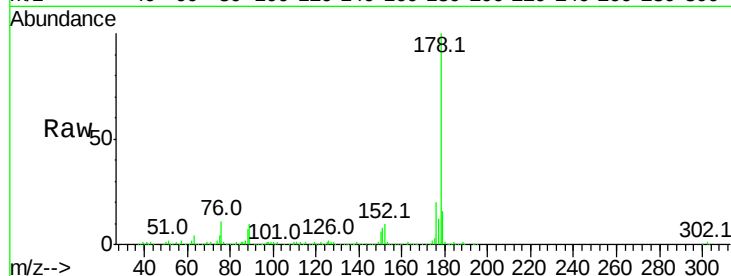
Tot Ion:178 Resp: 350186

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

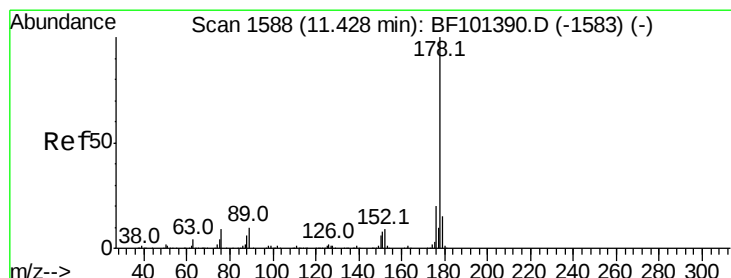
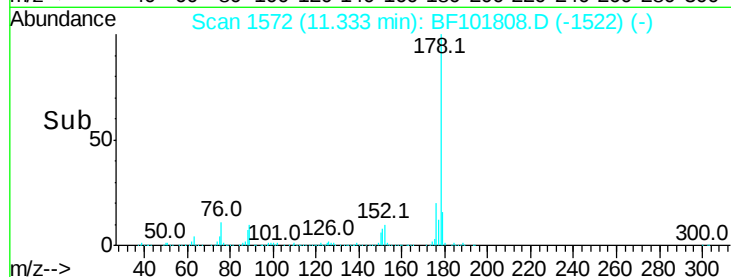
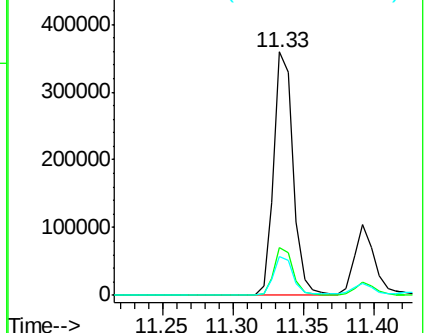
179 15.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.777 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

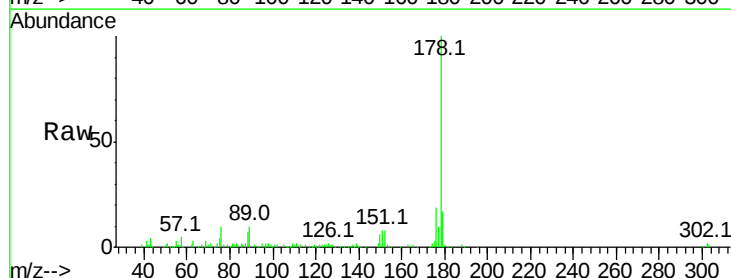
Tgt Ion:178 Resp: 99061

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

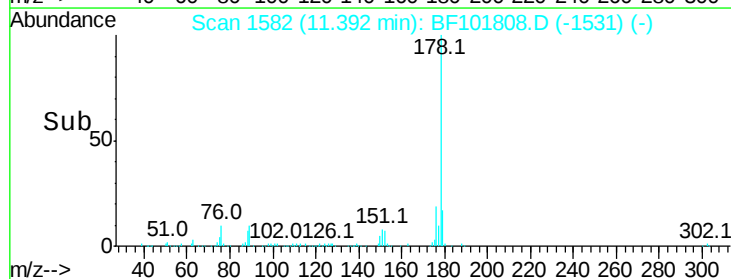
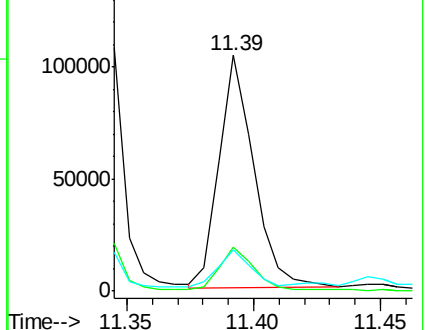
179 17.4 12.6 19.0

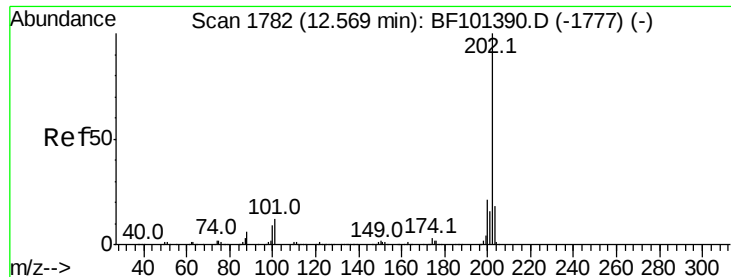


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 16.539 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Instrument :

BNA_F

ClientSampleId :

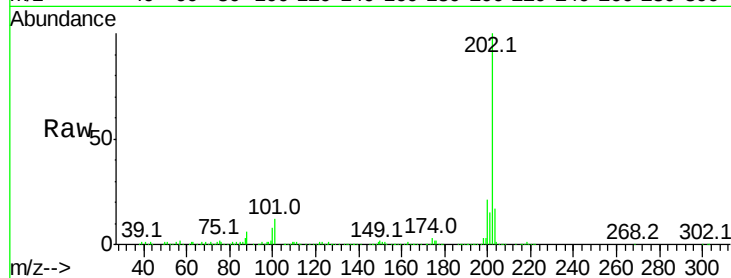
Tot Ion:202 Resp: 352401

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

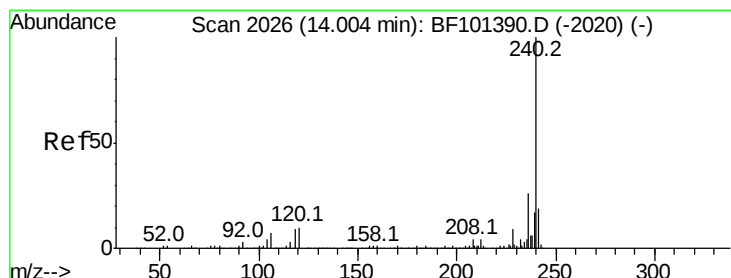
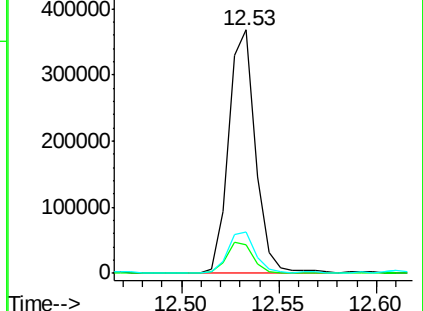
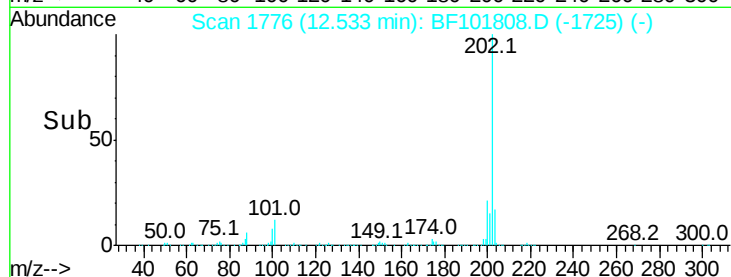
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

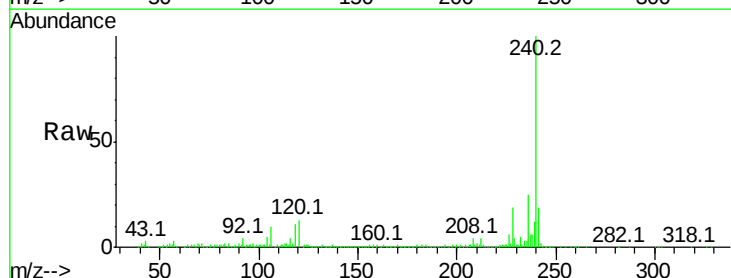
Tgt Ion:240 Resp: 290113

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

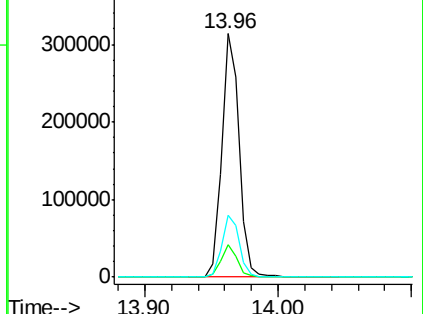
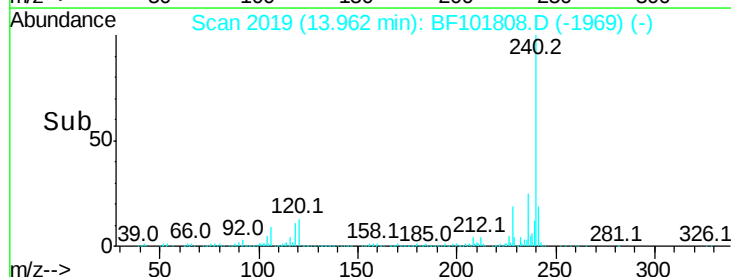
236 25.2 20.7 31.1

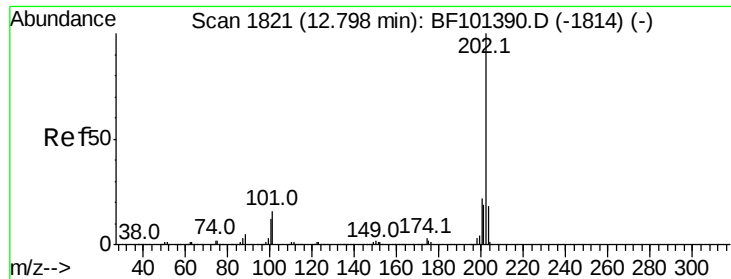


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.412 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Instrument :

BNA_F

ClientSampleId :

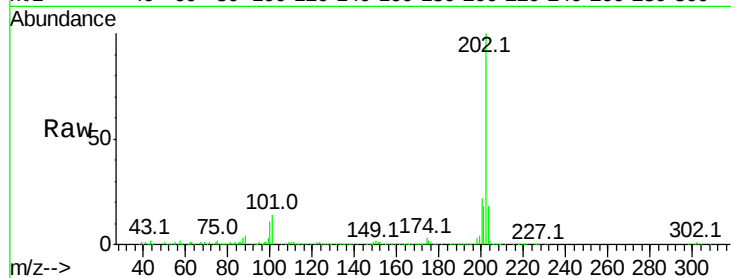
Tot Ion:202 Resp: 379117

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

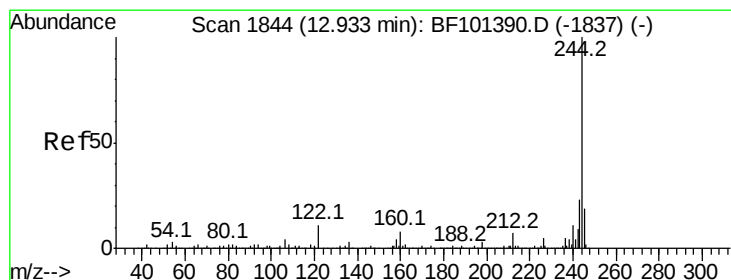
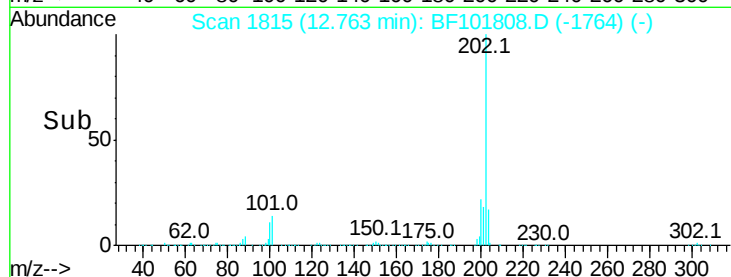
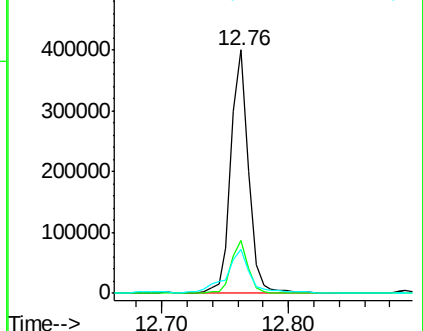
203 18.0 14.3 21.5



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: 63.516 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

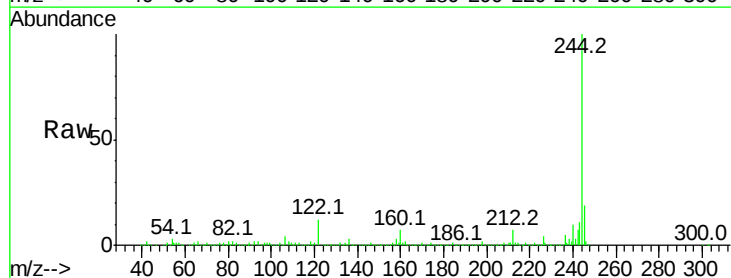
Tgt Ion:244 Resp: 764353

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

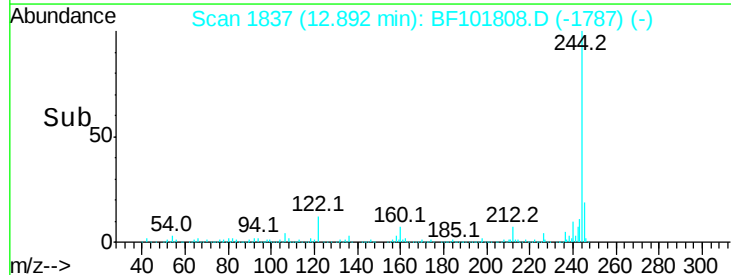
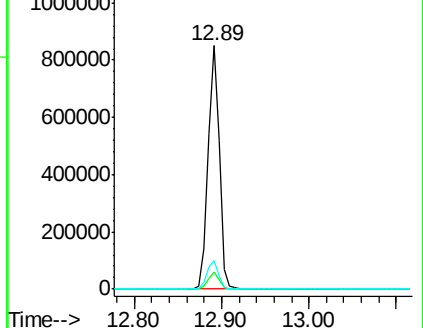
122 11.9 11.0 16.4

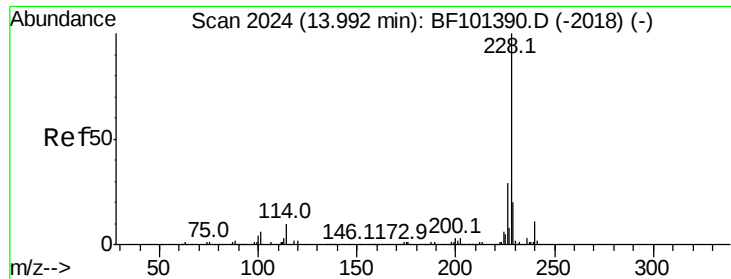


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

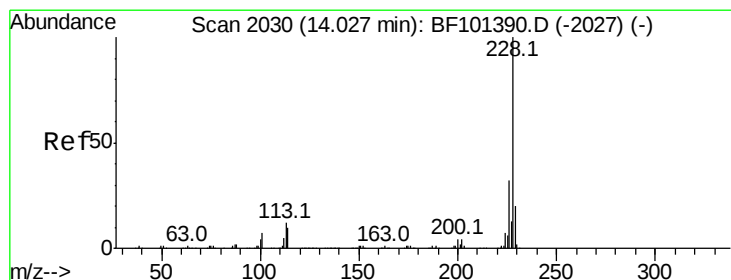
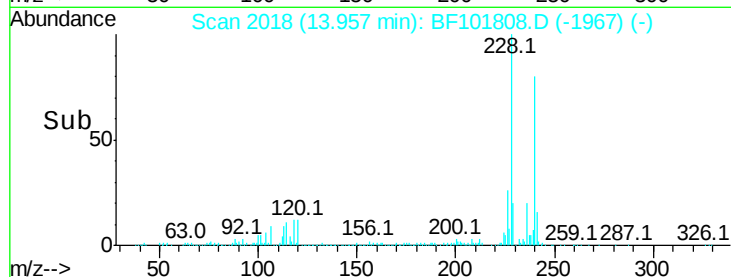
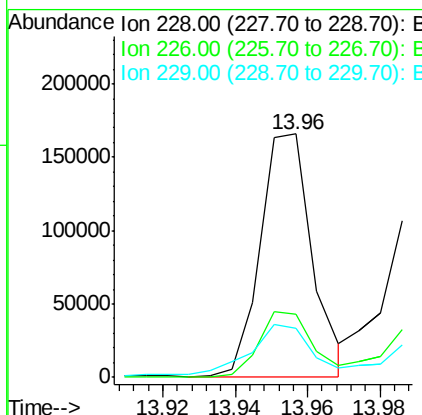
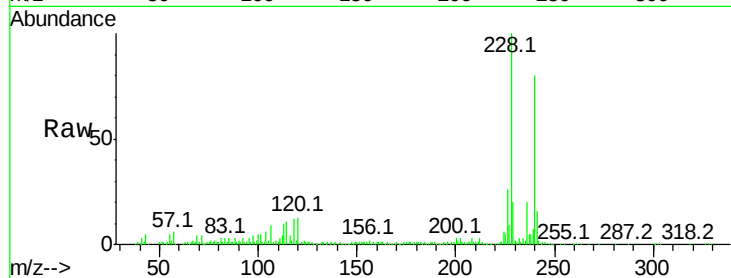




#80
Benzo(a)anthracene
Concen: 8.551 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

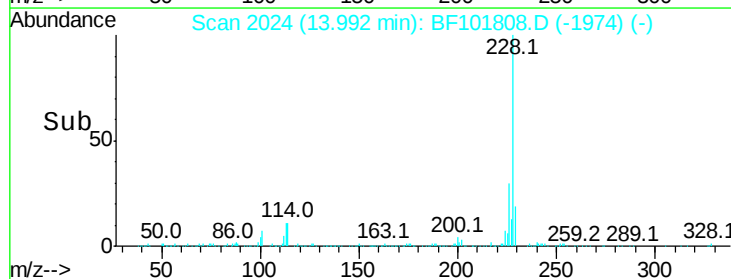
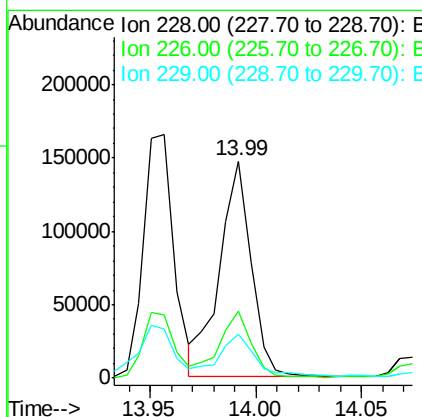
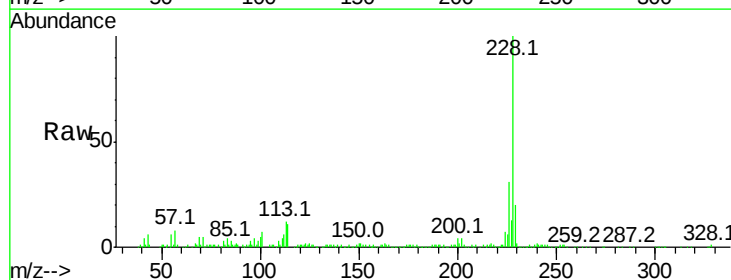
Instrument :
BNA_F
ClientSampleId :

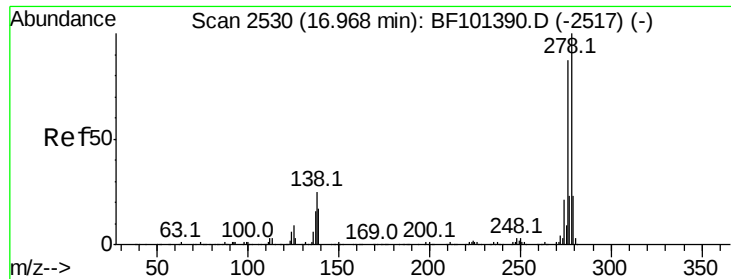
Tot Ion:228 Resp: 163814
Ion Ratio Lower Upper
228 100
226 25.9 22.6 33.8
229 20.3 15.8 23.6



#82
Chrysene
Concen: 8.451 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion:228 Resp: 152863
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 20.4 16.2 24.4

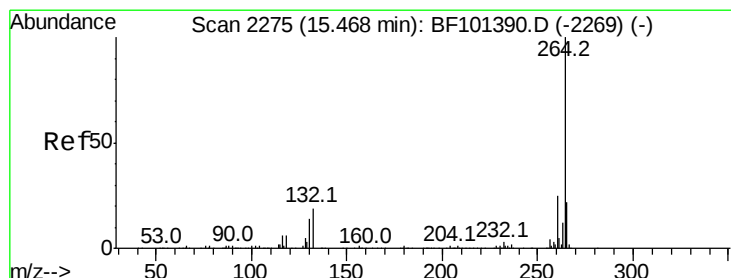
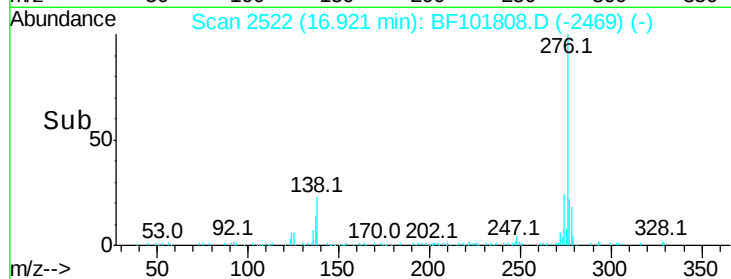
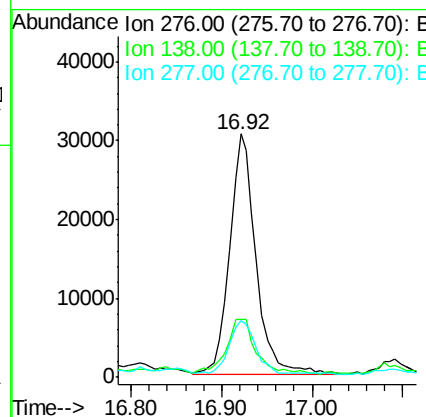
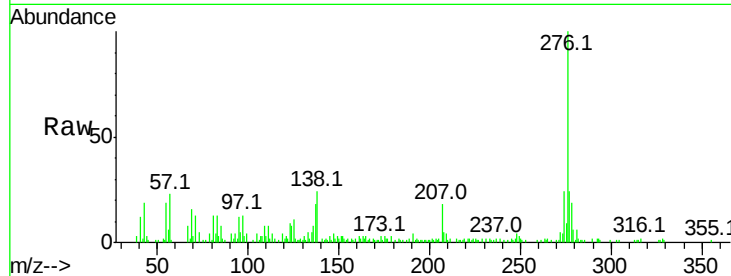




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.797 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. 0.01 min
 Lab File: BF101808.D
 Acq: 28 Dec 2017 17:52

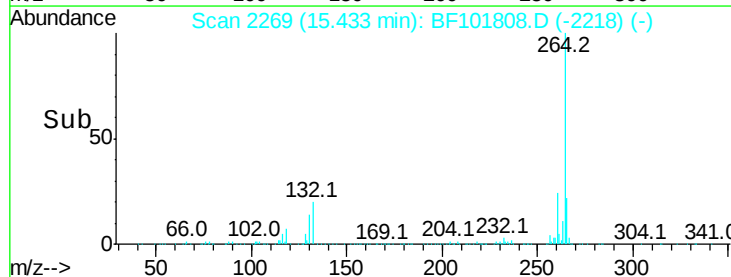
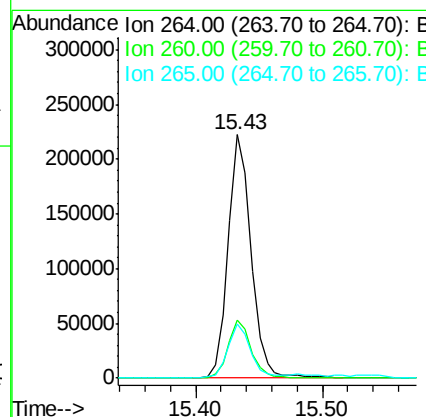
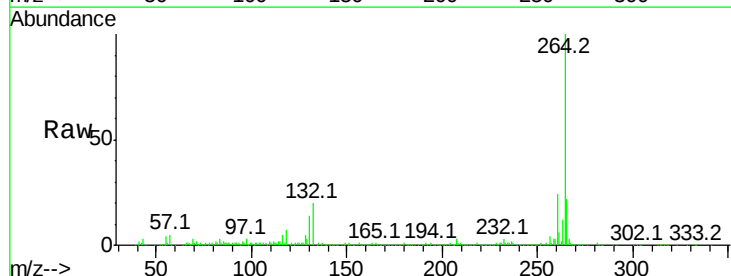
Instrument :
 BNA_F
 ClientSampleId :

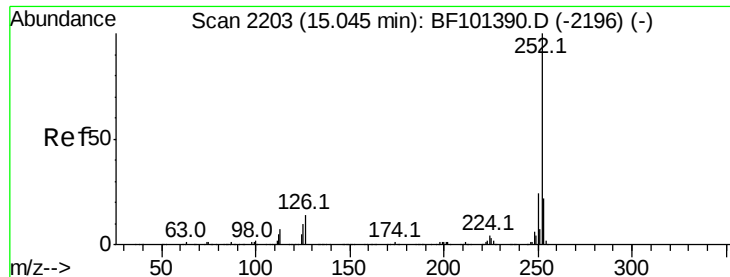
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.4	25.0	37.6
277	22.6	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: BF101808.D
 Acq: 28 Dec 2017 17:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.2	17.5	26.3

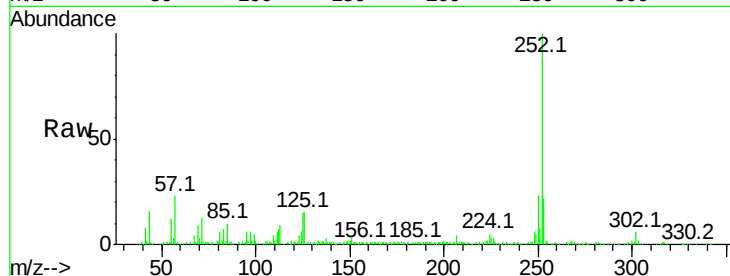




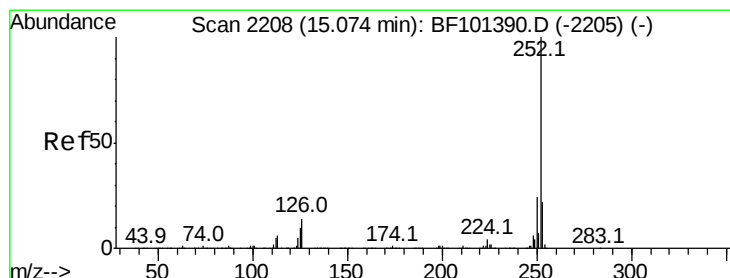
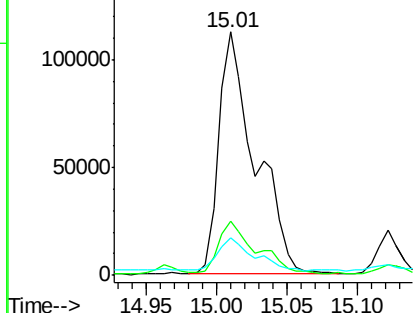
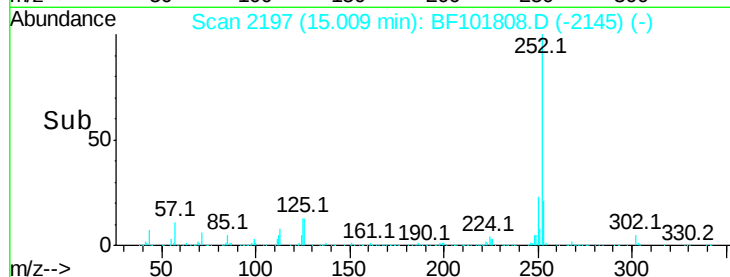
#87
Benzo(b)fluoranthene
Concen: 11.833 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	15.2	9.0	13.6

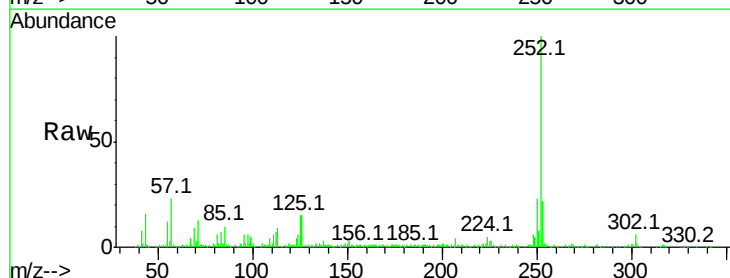


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

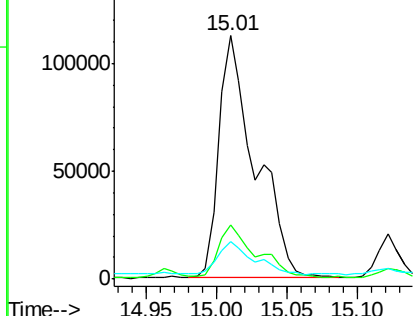
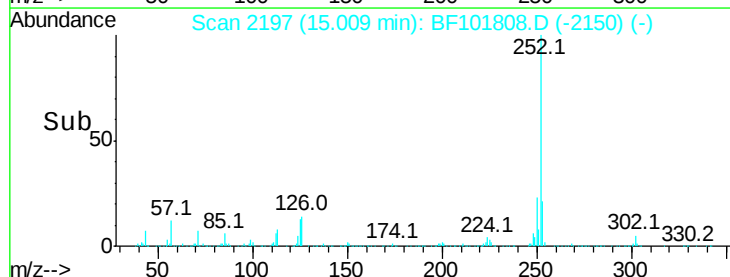


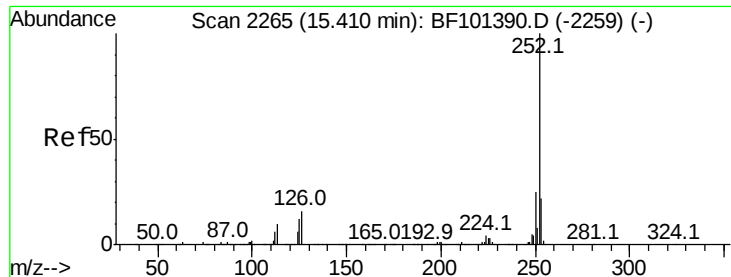
#88
Benzo(k)fluoranthene
Concen: 12.171 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	15.2	10.2	15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

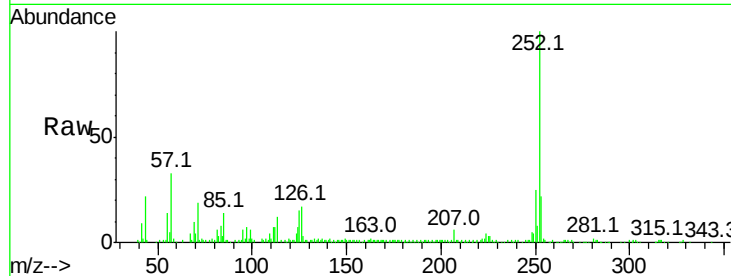




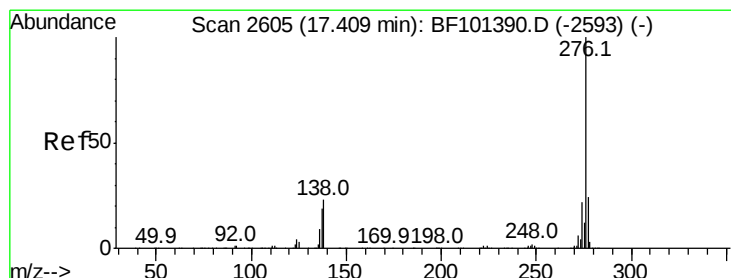
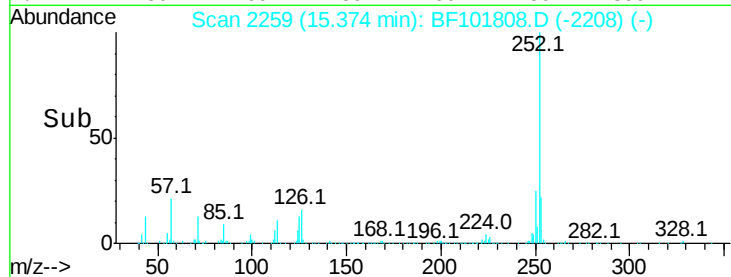
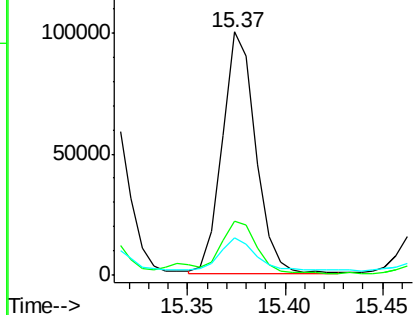
#89
Benzo(a)pyrene
Concen: 7.550 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	15.2	9.8	14.6

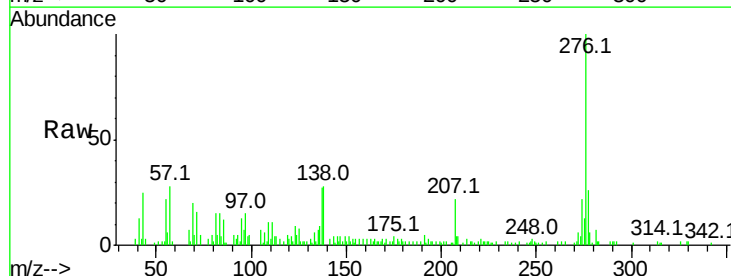


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.394 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.02 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	28.4	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

