

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101837.D
 Acq On : 29 Dec 2017 18:53
 Operator : SJ/JU
 Sample : I7034-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 30 03:07:00 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	139998	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	495717	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	180119	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	314895	20.00	ng	0.00
75) Chrysene-d12	13.97	240	287523	20.00	ng	0.00
86) Perylene-d12	15.45	264	225600	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	970607	103.27	ng	0.00
7) Phenol-d6	6.43	99	1111508	95.03	ng	0.00
23) Nitrobenzene-d5	7.36	82	672525	75.52	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	178302	102.73	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	895309	77.11	ng	0.00
78) Terphenyl-d14	12.90	244	760072	63.73	ng	0.00

Target Compounds

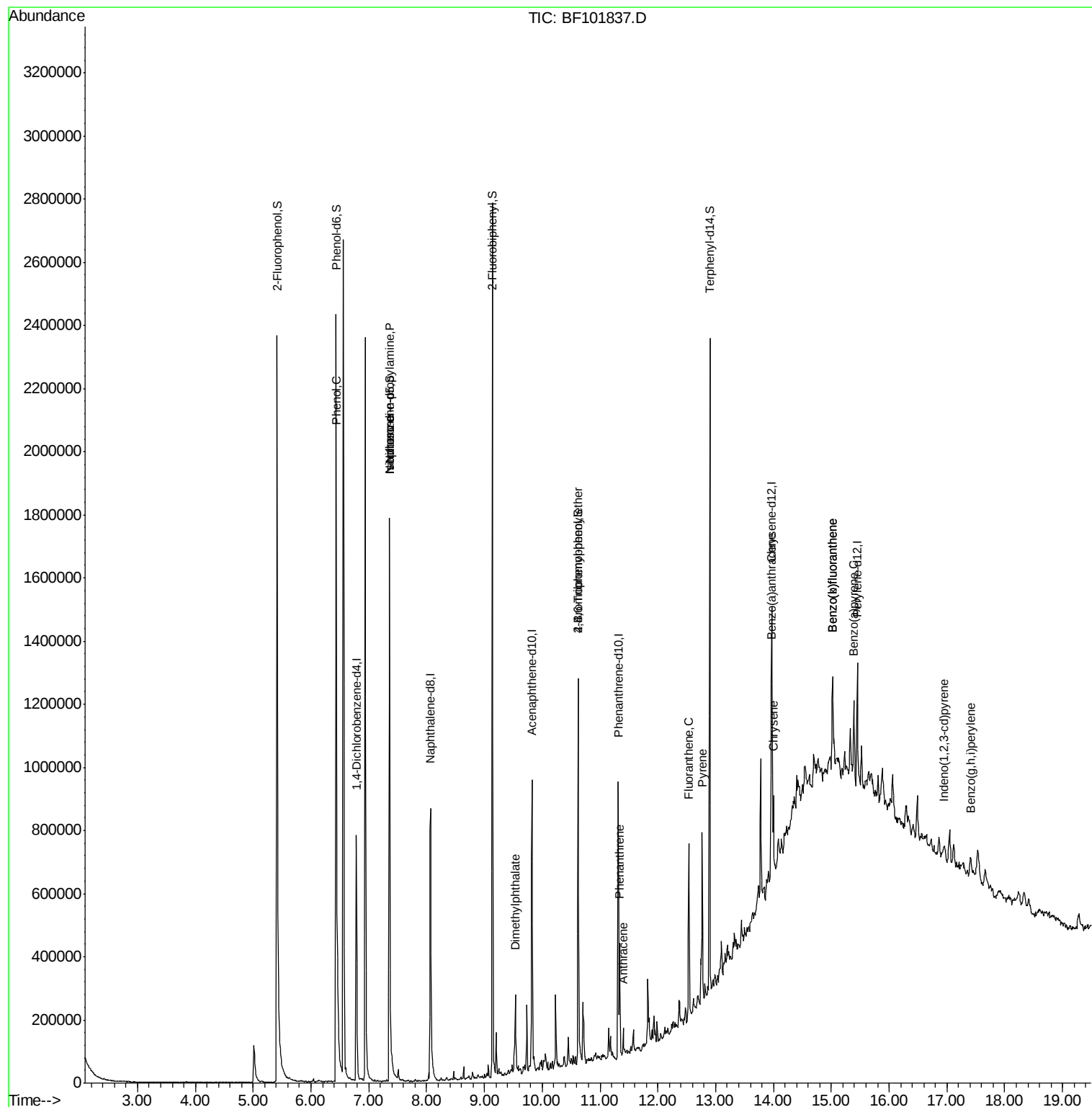
						Qvalue
10) Phenol	6.45	94	45598	3.420	ng	# 52
19) n-Nitroso-di-n-propylamine	7.36	70	87790	11.429	ng	# 80
25) Isophorone	7.36	82	672525	37.646	ng	# 64
49) Dimethylphthalate	9.54	163	114175	7.881	ng	# 98
66) 4-Bromophenyl-phenylether	10.62	248	11657	3.295	ng	# 1
70) Phenanthrene	11.34	178	137003	7.823	ng	# 96
71) Anthracene	11.40	178	37725	2.109	ng	# 97
74) Fluoranthene	12.53	202	227572	12.381	ng	# 99
77) Pyrene	12.76	202	241762	11.204	ng	# 99
80) Benzo(a)anthracene	13.96	228	111089	5.851	ng	# 97
82) Chrysene	14.00	228	104076	5.806	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.95	276	40276	2.523	ng	# 93
87) Benzo(b)fluoranthene	15.02	252	138312	10.058	ng	# 88
88) Benzo(k)fluoranthene	15.02	252	138312	10.345	ng	# 91
89) Benzo(a)pyrene	15.39	252	73964	5.835	ng	# 87
91) Benzo(g,h,i)perylene	17.41	276	39045	3.623	ng	# 87

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

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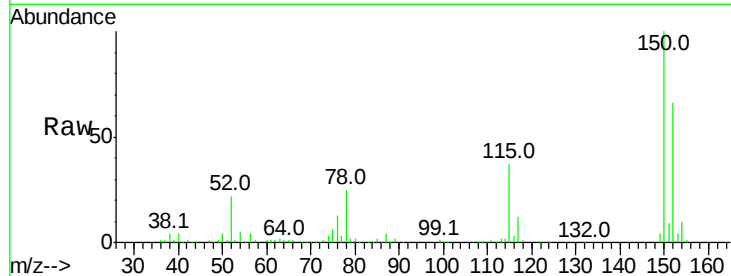


#1

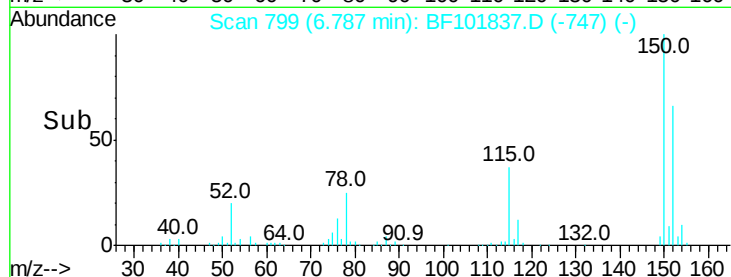
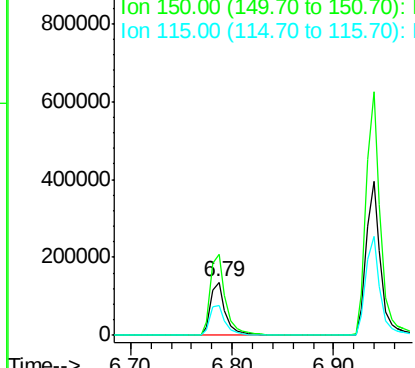
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139998
Ion Ratio Lower Upper
152 100
150 152.5 124.6 186.8
115 56.9 50.1 75.1



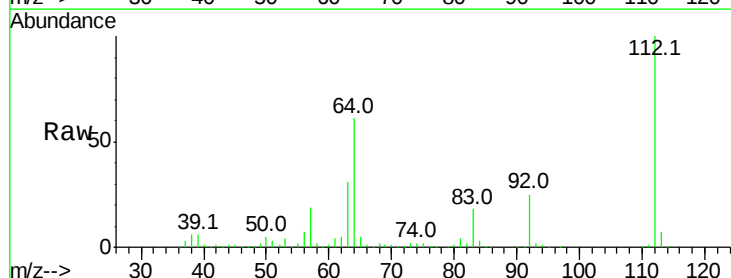
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



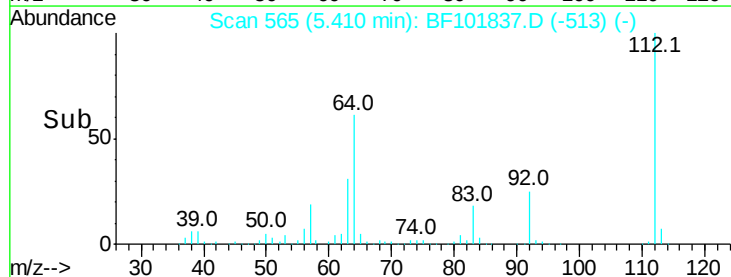
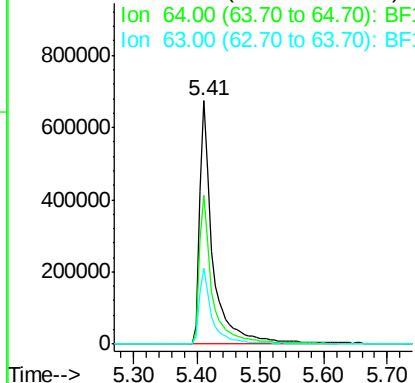
#5

2-Fluorophenol
Concen: 103.273 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion:112 Resp: 970607
Ion Ratio Lower Upper
112 100
64 61.2 47.9 71.9
63 31.3 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: 95.027 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

Instrument :

BNA_F

ClientSampled :

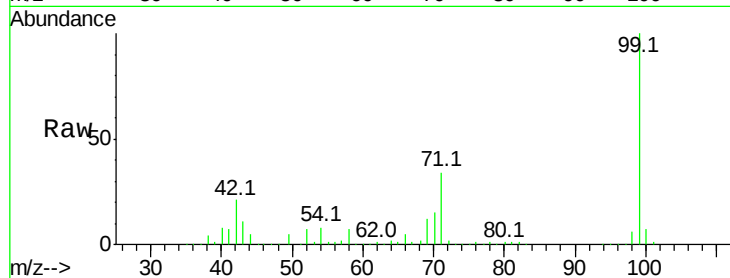
Tot Ion: 99 Resp: 1111508

Ion Ratio Lower Upper

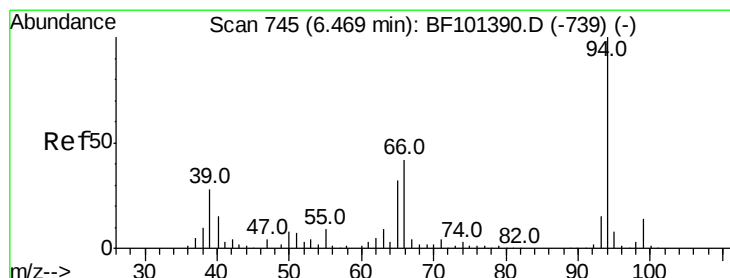
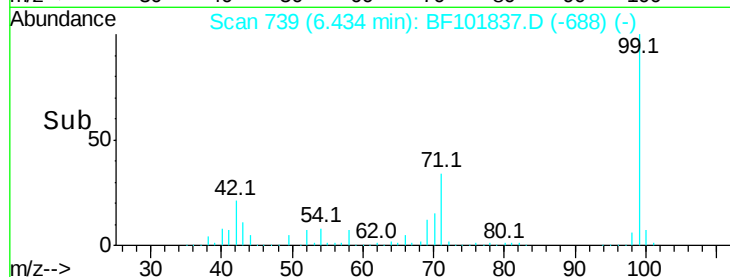
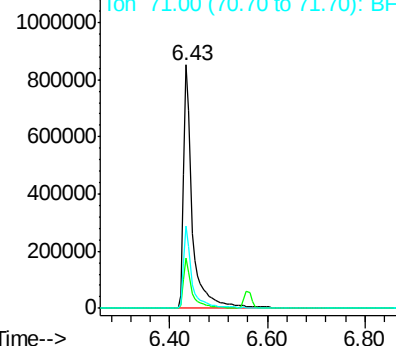
99 100

42 20.6 14.5 21.7

71 33.9 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: 3.420 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

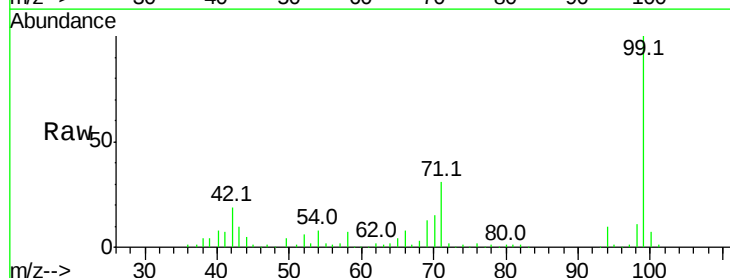
Tgt Ion: 94 Resp: 45598

Ion Ratio Lower Upper

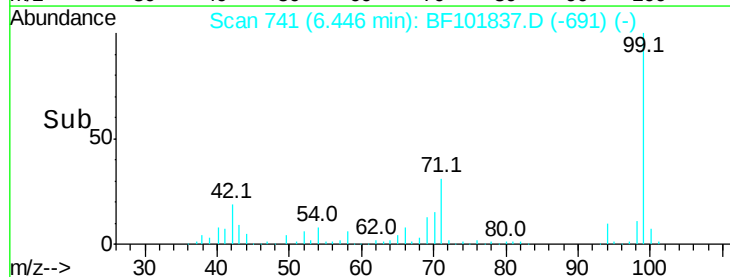
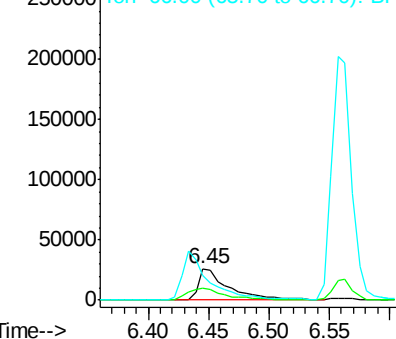
94 100

65 36.0 7.9 47.9

66 79.0 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

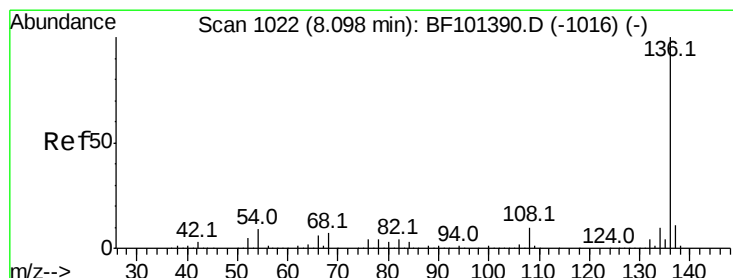
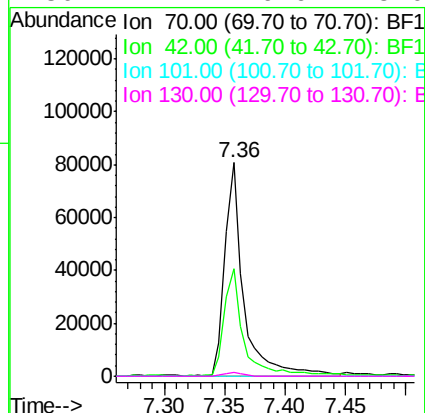
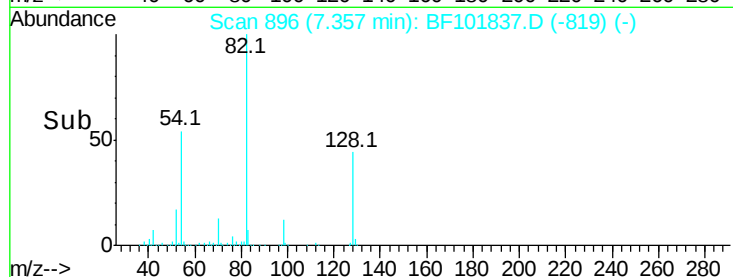
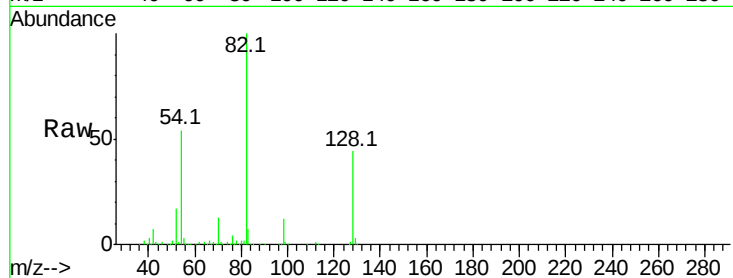




#19
n-Nitroso-di-n-propylamine
Concen: 11.429 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

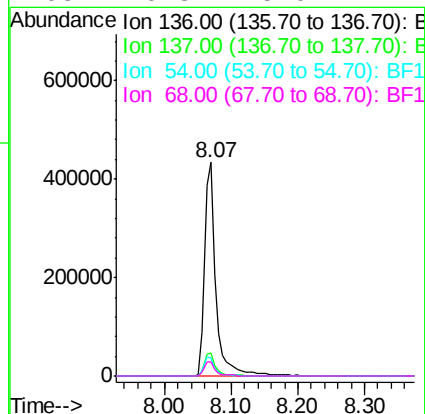
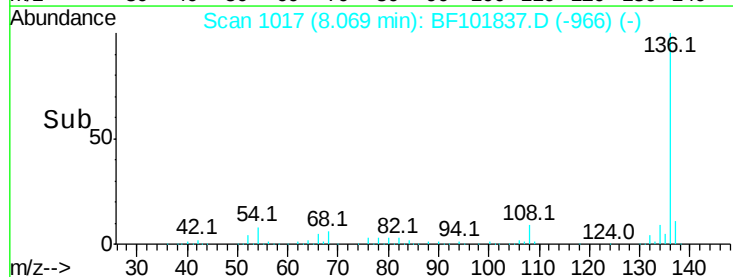
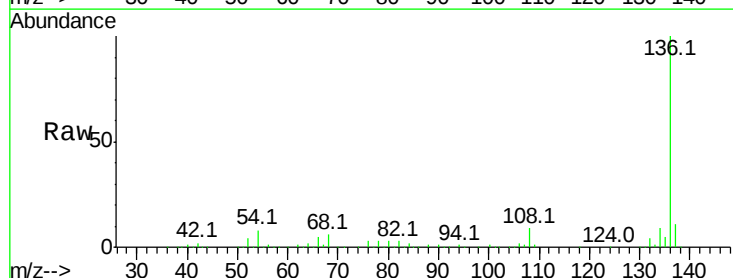
Instrument :
BNA_F
ClientSampleId :

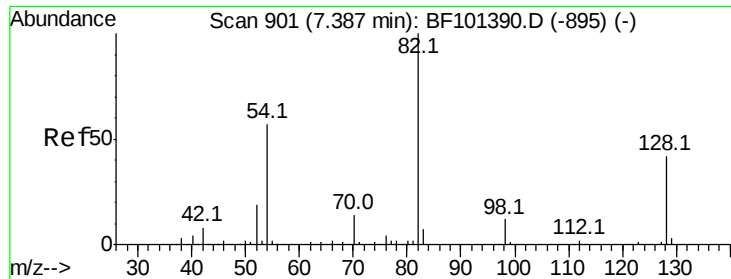
Tot Ion: 70 Resp: 87790
Ion Ratio Lower Upper
70 100
42 50.4 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion: 136 Resp: 495717
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.5 6.6 9.8
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 75.520 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

Instrument :

BNA_F

ClientSampled :

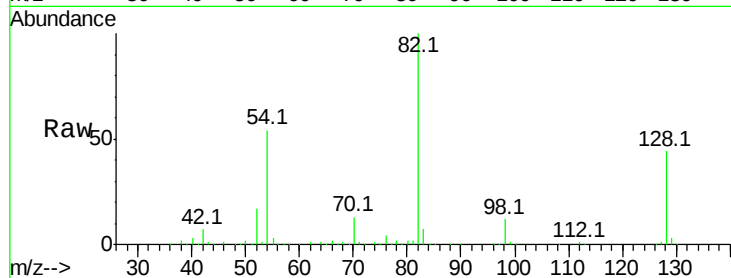
Tot Ion: 82 Resp: 672525

Ion Ratio Lower Upper

82 100

128 44.1 36.1 54.1

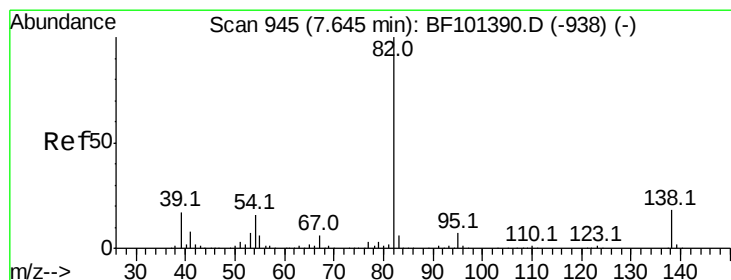
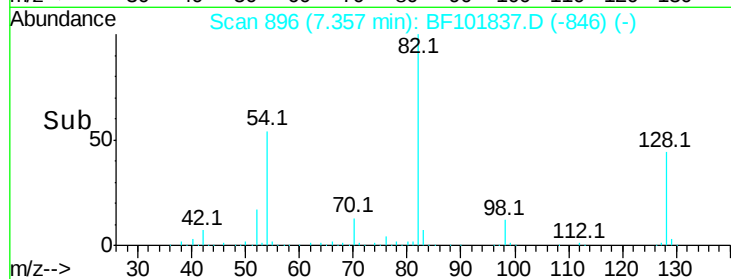
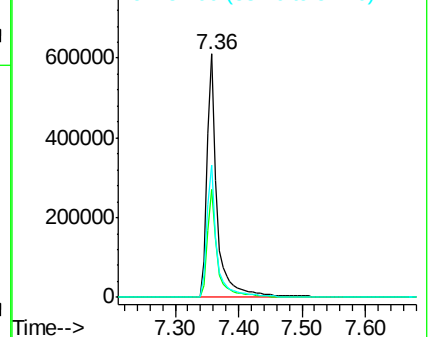
54 54.1 41.4 62.2



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: 37.646 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.25 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

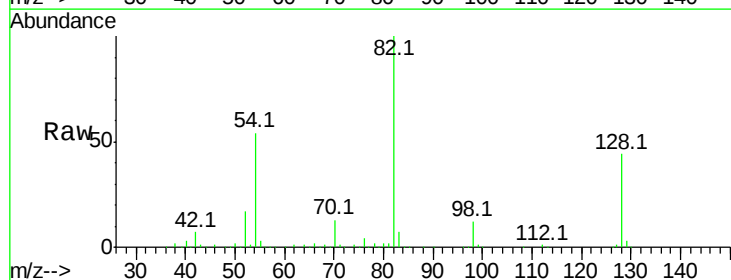
Tgt Ion: 82 Resp: 672525

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

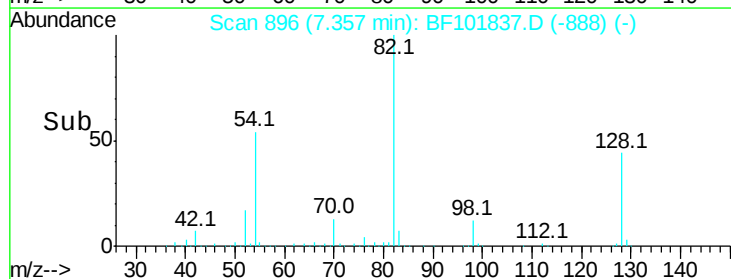
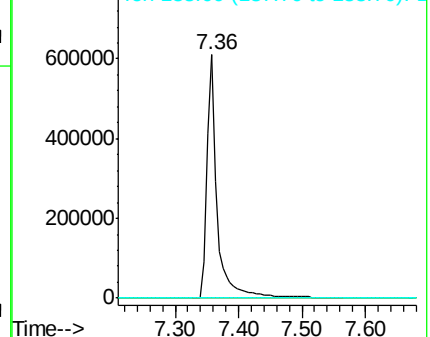
138 0.0 14.9 22.3#

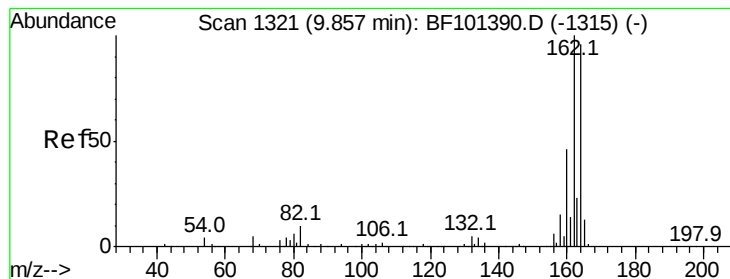


Abundance Ion 82.00 (81.70 to 82.70): BF1

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# 1315

Delta R.T. 0.00 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

Instrument :

BNA_F

ClientSampleId :

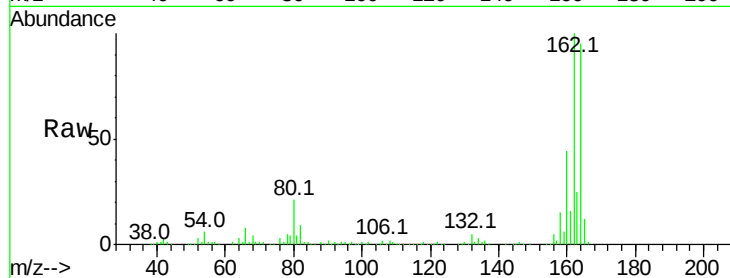
Tot Ion:164 Resp: 180119

Ion Ratio Lower Upper

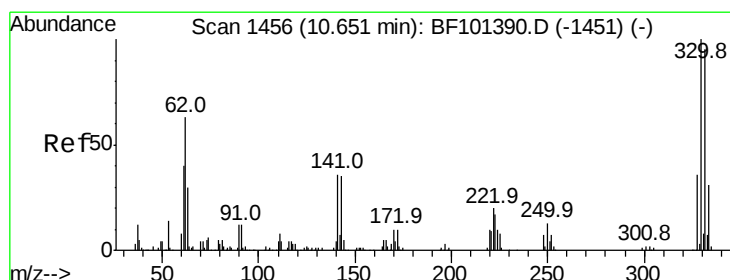
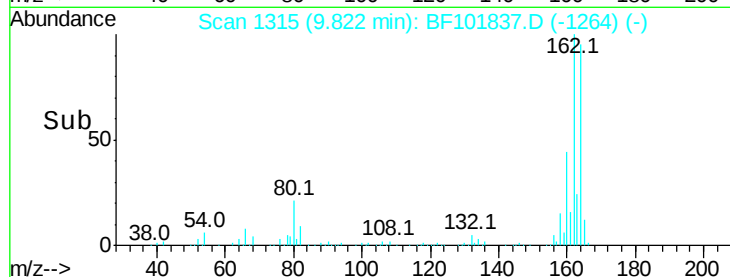
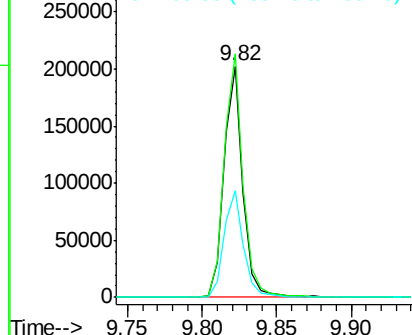
164 100

162 105.4 86.1 129.1

160 46.3 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: 102.733 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

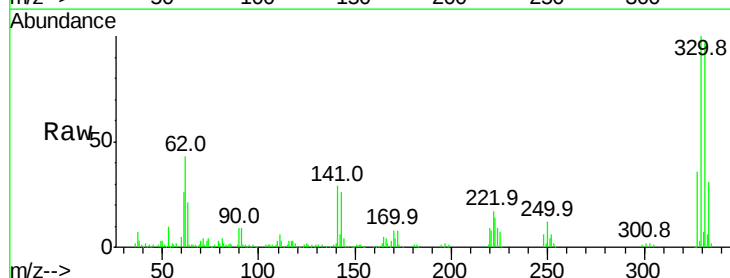
Tgt Ion:330 Resp: 178302

Ion Ratio Lower Upper

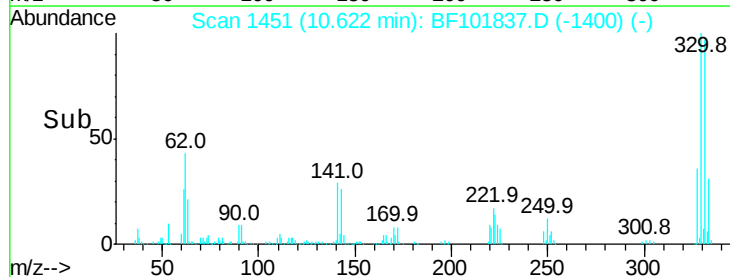
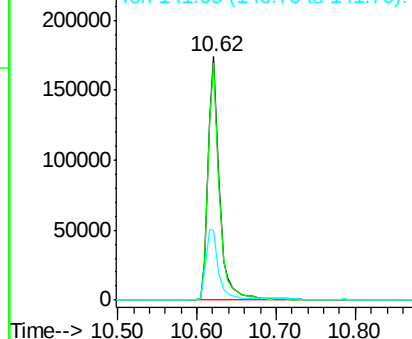
330 100

332 96.1 77.0 115.6

141 32.1 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

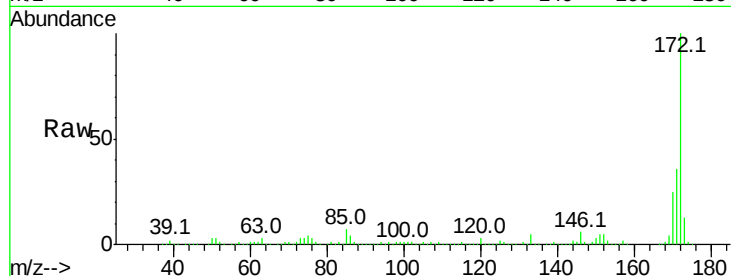




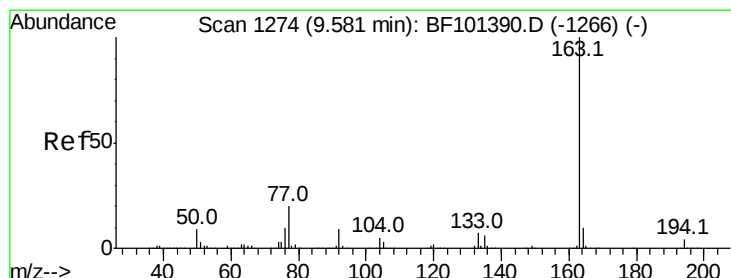
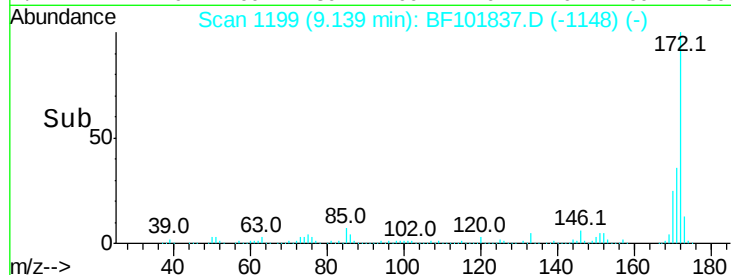
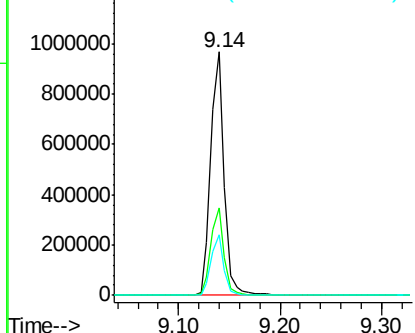
#44
2-Fluorobiphenyl
Concen: 77.107 ng
RT: 9.14 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 895309
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.8 19.6 29.4

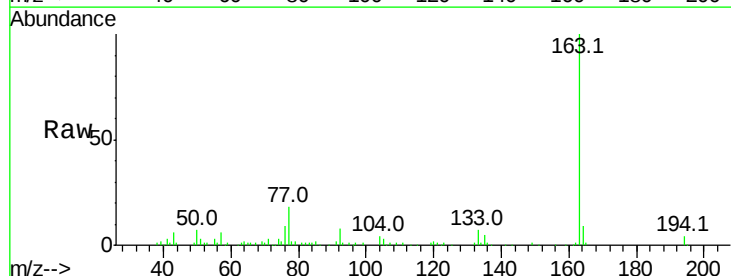


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

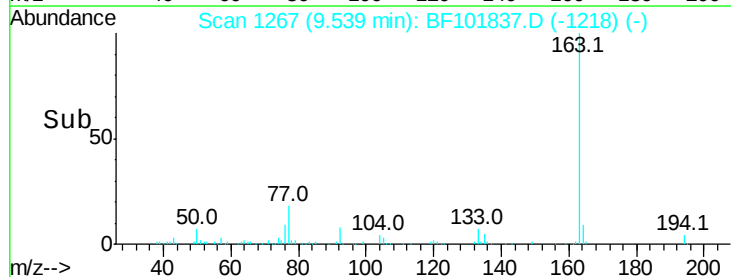
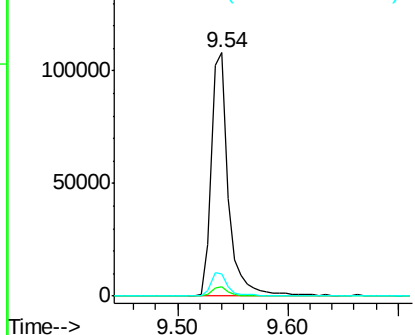


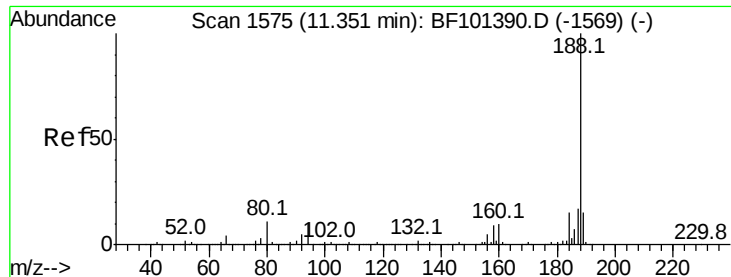
#49
Dimethylphthalate
Concen: 7.881 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion:163 Resp: 114175
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.4 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

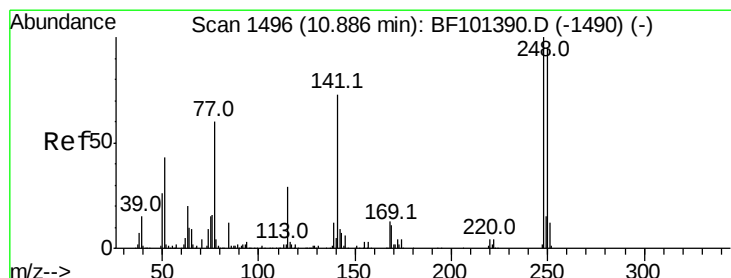
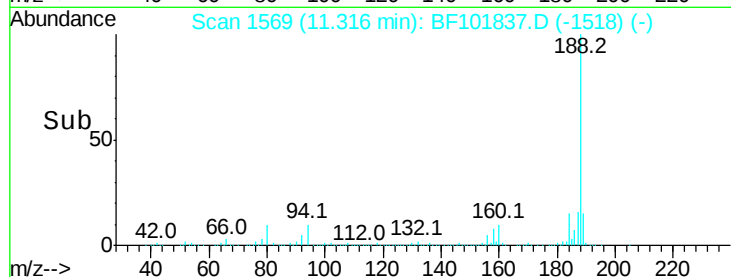
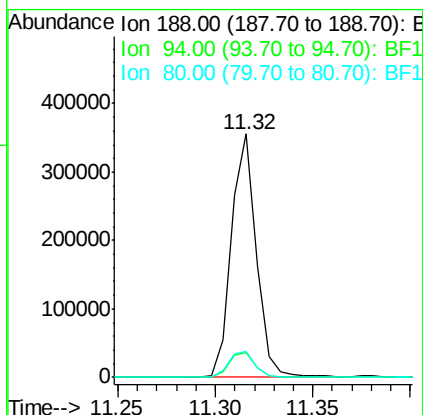
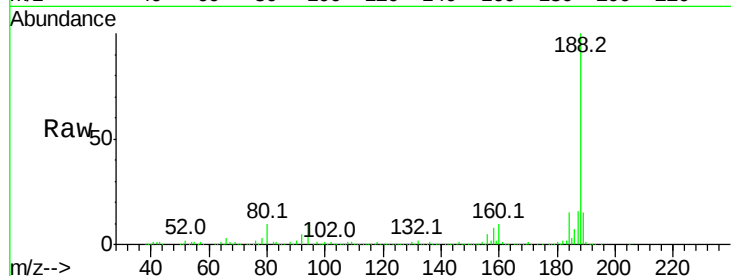




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

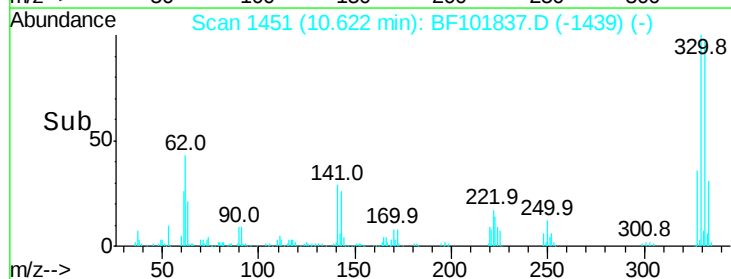
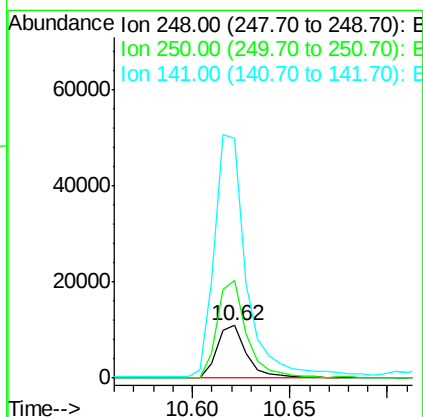
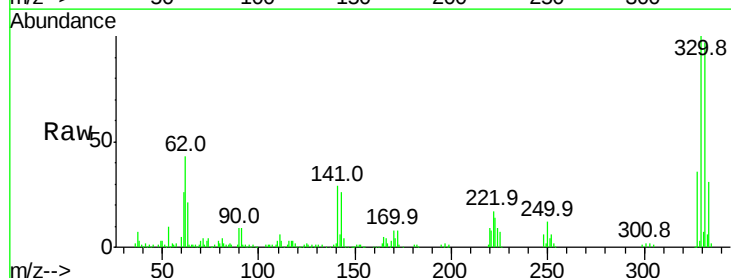
Instrument :
BNA_F
ClientSampleId :

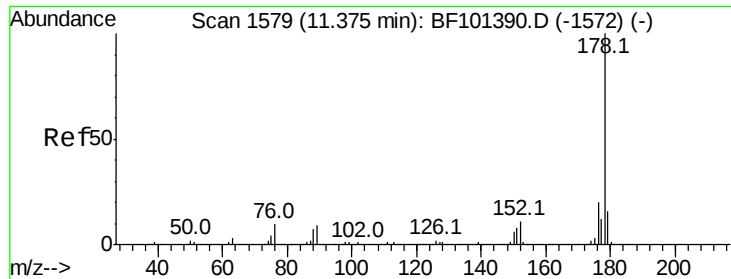
Tot Ion:188 Resp: 314895
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 10.4 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.295 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.23 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion:248 Resp: 11657
Ion Ratio Lower Upper
248 100
250 186.5 76.9 115.3#
141 457.6 74.4 111.6#





#70

Phenanthrene

Concen: 7.823 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

Instrument :

BNA_F

ClientSampleId :

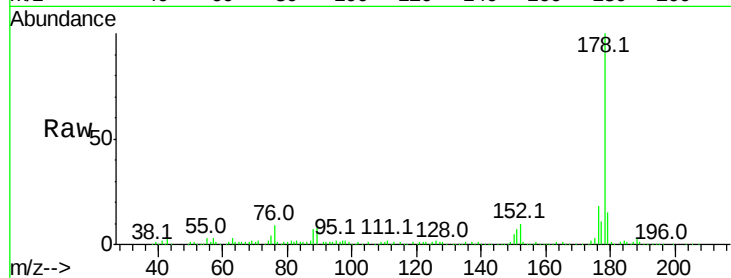
Tot Ion:178 Resp: 137003

Ion Ratio Lower Upper

178 100

176 17.6 15.8 23.8

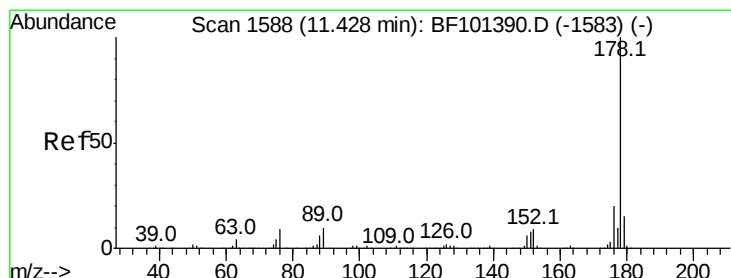
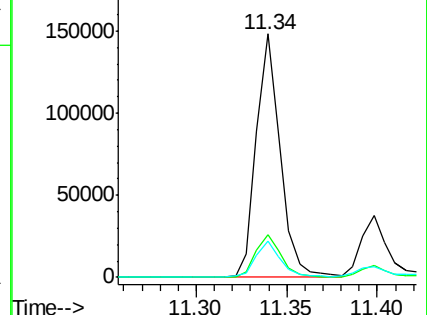
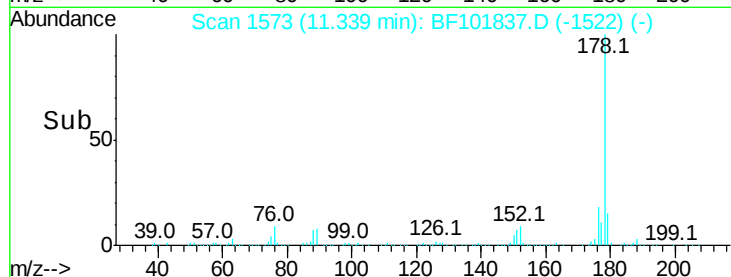
179 14.8 13.0 19.6



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: 2.109 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

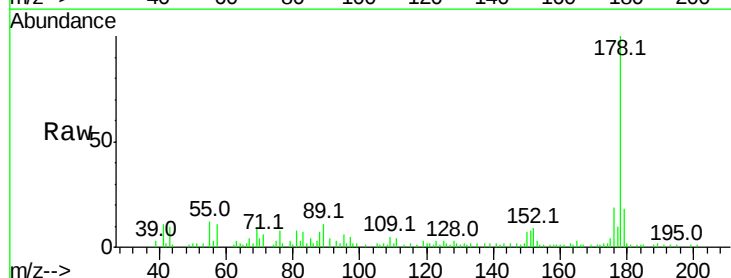
Tgt Ion:178 Resp: 37725

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

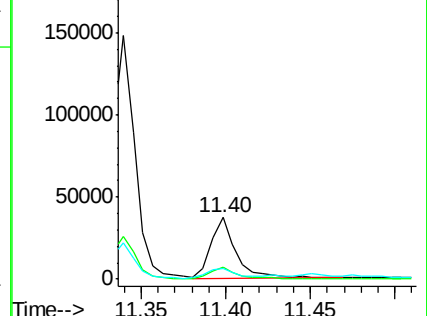
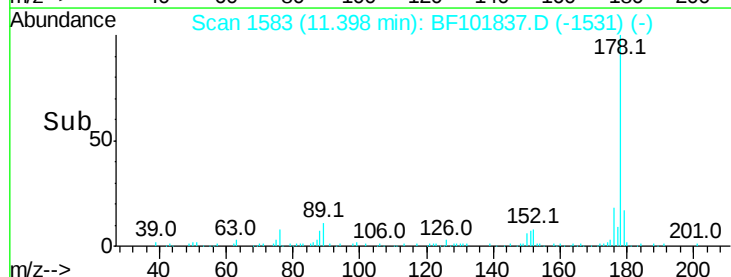
179 18.1 12.6 19.0

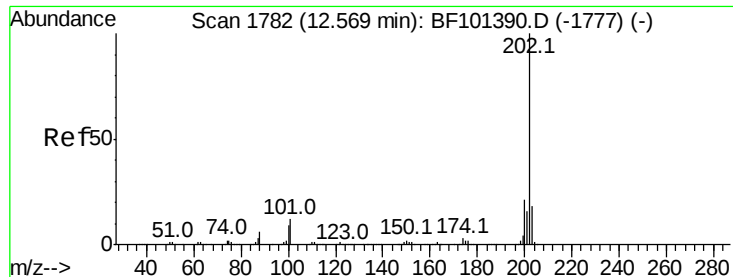


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 12.381 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

Instrument :

BNA_F

ClientSampleId :

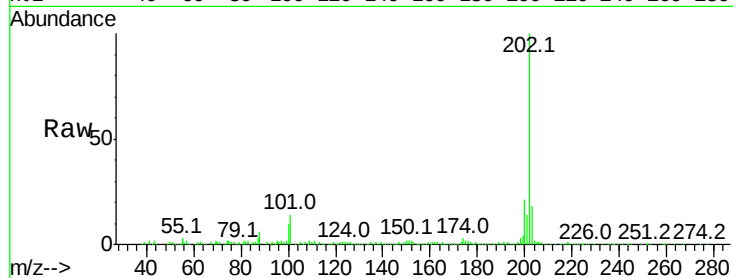
Tot Ion:202 Resp: 227572

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

203 18.1 0.0 38.1

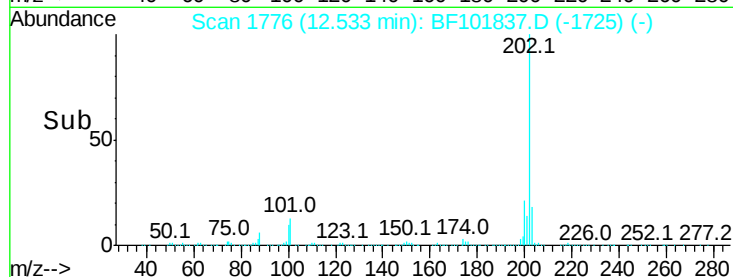


Abundance Ion 202.00 (201.70 to 202.70): E

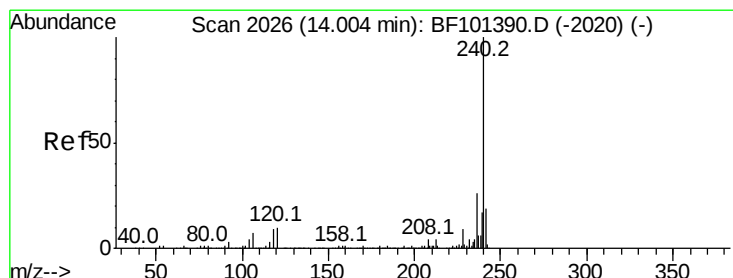
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.53



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

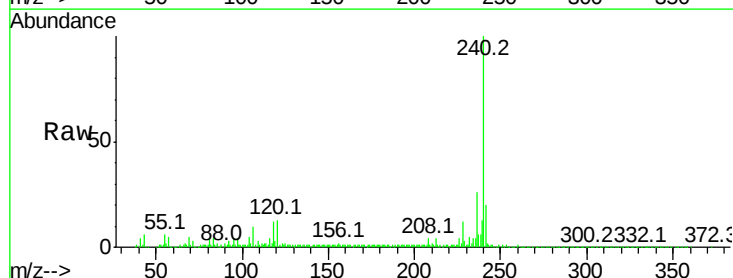
Tgt Ion:240 Resp: 287523

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

236 26.4 20.7 31.1

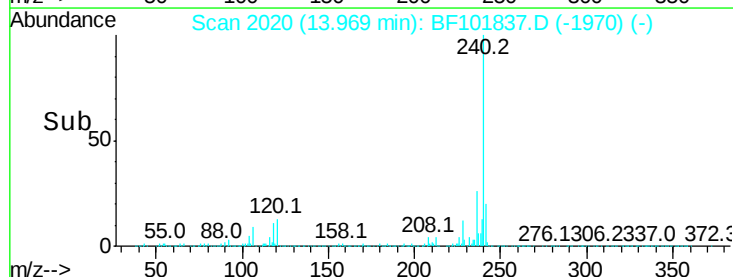


Abundance Ion 240.00 (239.70 to 240.70): E

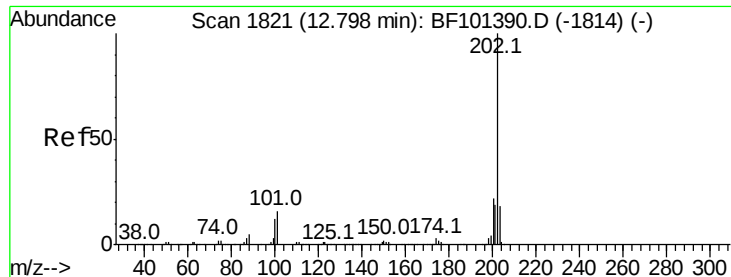
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.97



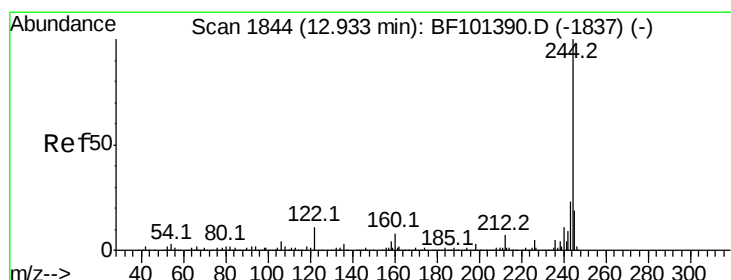
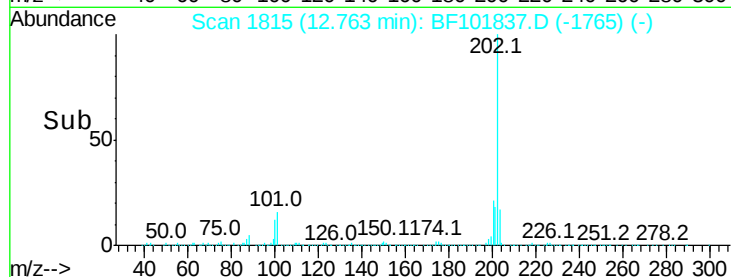
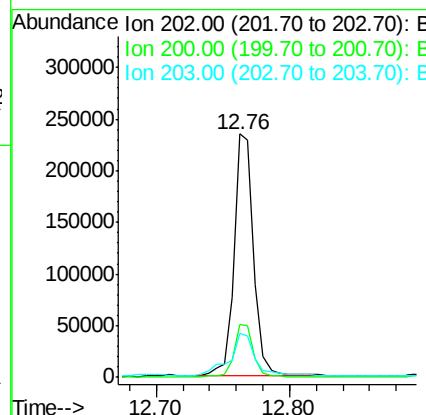
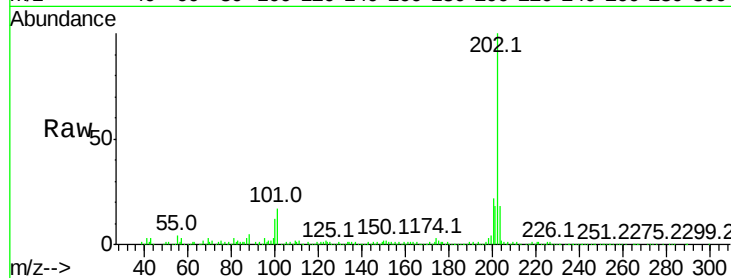
Time-->



#77
Pvrene
Concen: 11.204 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

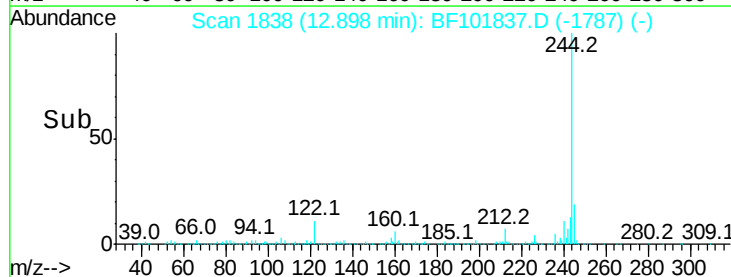
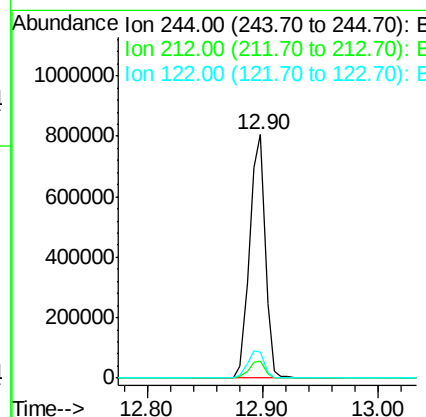
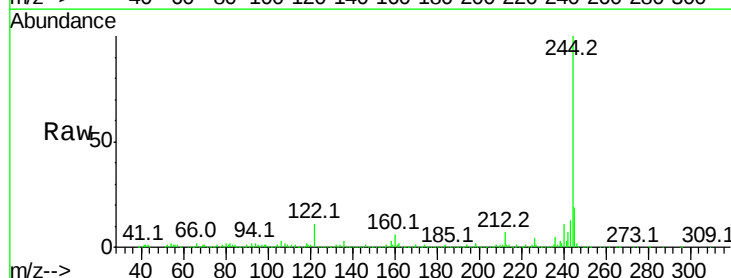
Instrument :
BNA_F
ClientSampleId :

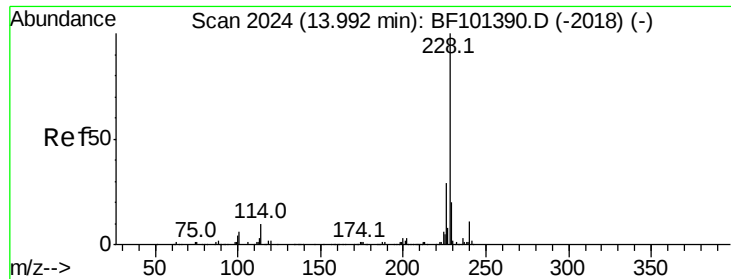
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.2	14.3	21.5



#78
Terphenyl-d14
Concen: 63.729 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.7	11.0	16.4

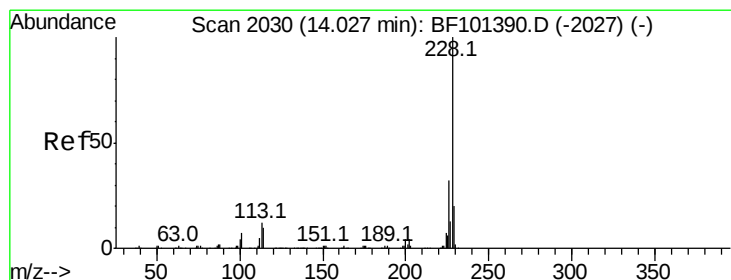
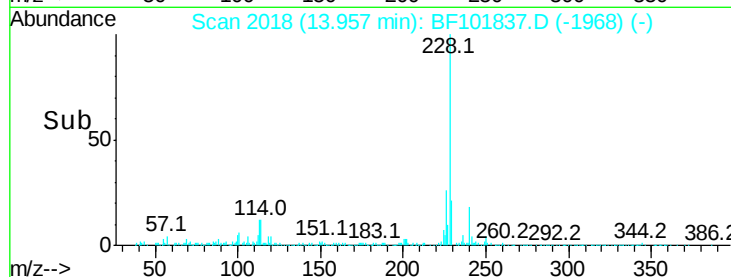
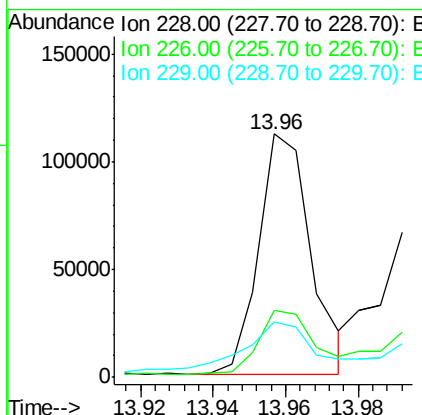
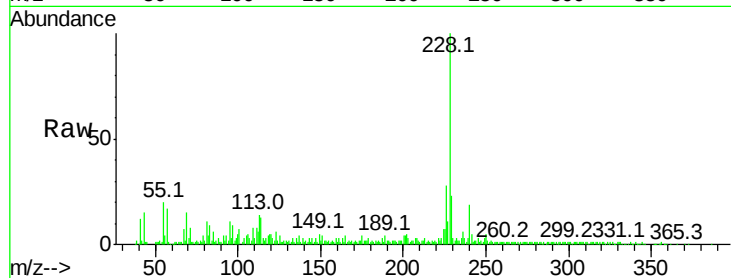




#80
Benzo(a)anthracene
Concen: 5.851 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

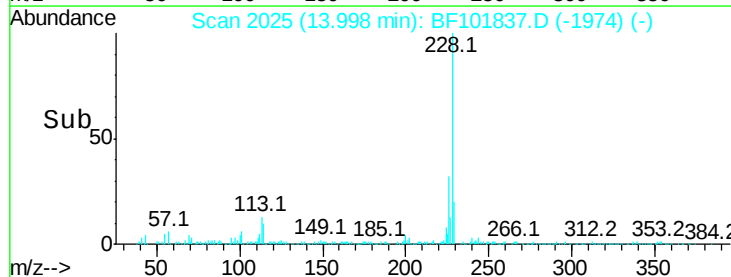
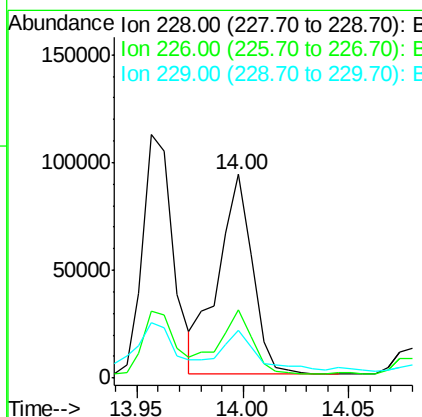
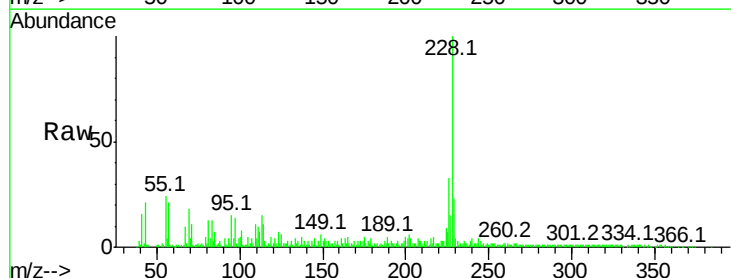
Instrument :
BNA_F
ClientSampled :

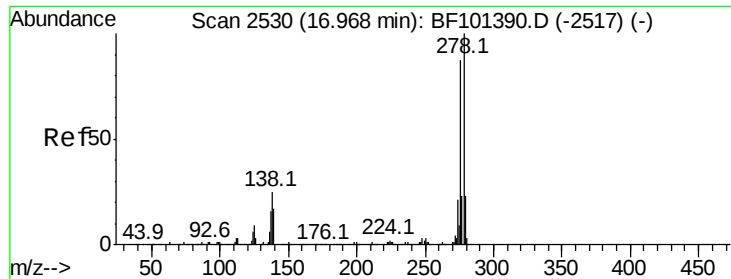
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	22.8	15.8	23.6



#82
Chrysene
Concen: 5.806 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	25.0	37.6
229	23.2	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.523 ng

RT: 16.95 min Scan# 2527

Delta R.T. 0.02 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

Instrument :

BNA_F

ClientSampleId :

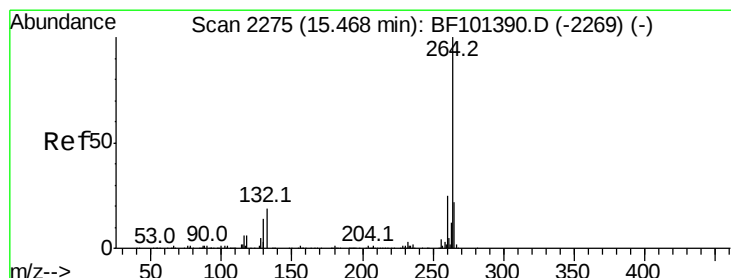
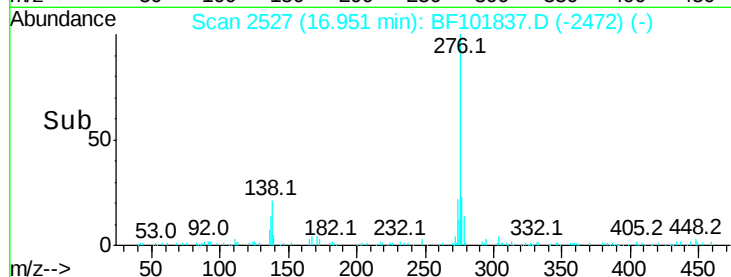
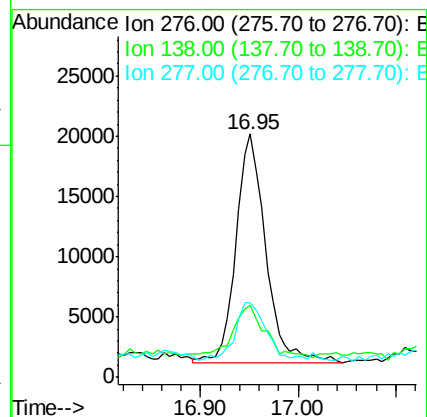
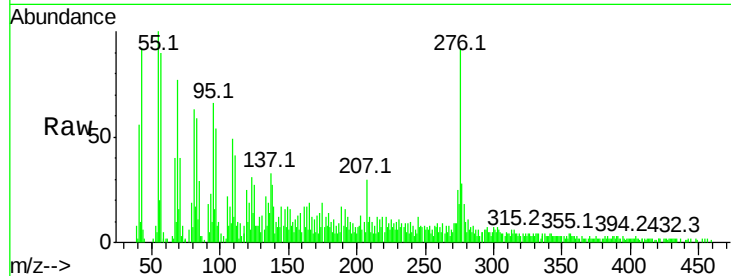
Tot Ion:276 Resp: 40276

Ion Ratio Lower Upper

276 100

138 25.0 25.0 37.6#

277 25.9 20.1 30.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

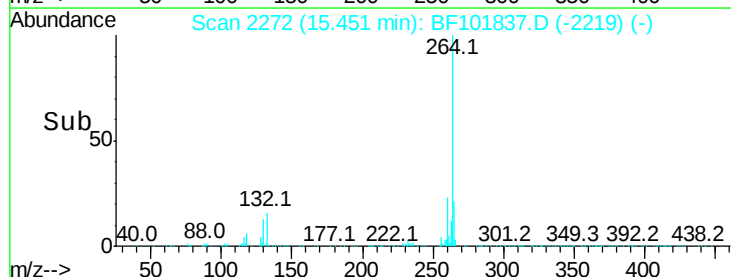
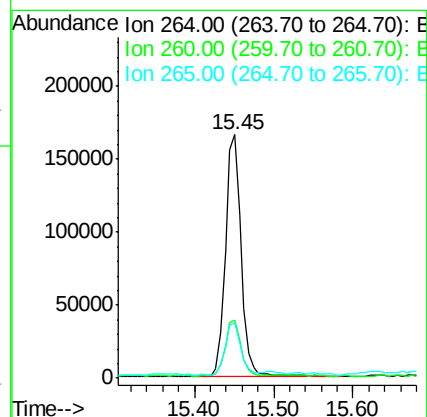
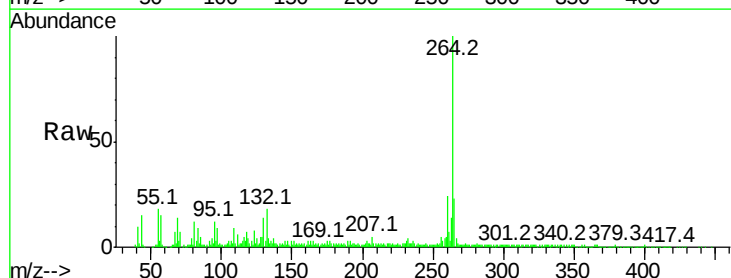
Tgt Ion:264 Resp: 225600

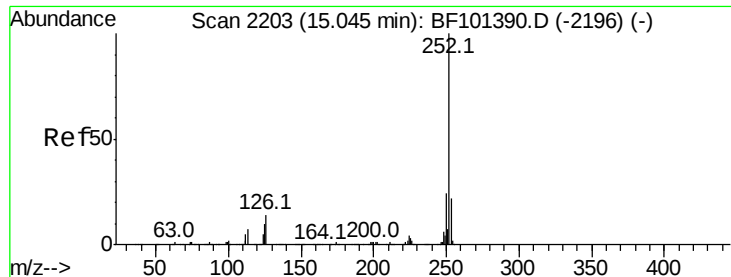
Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.7 17.5 26.3

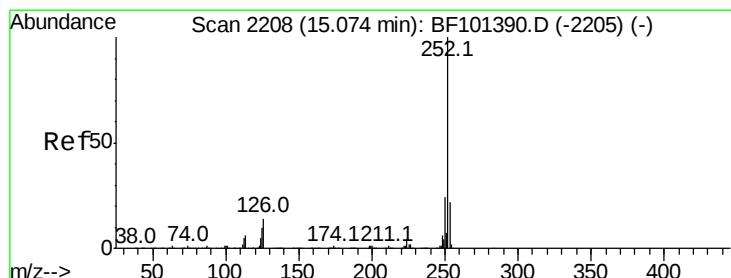
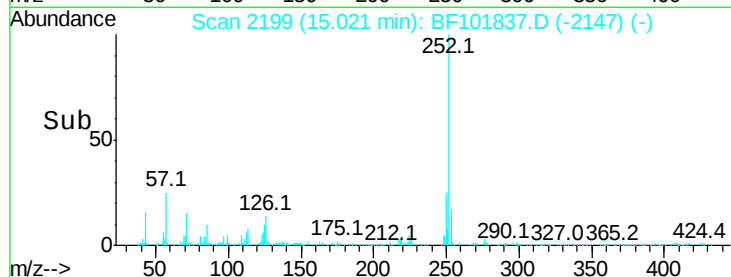
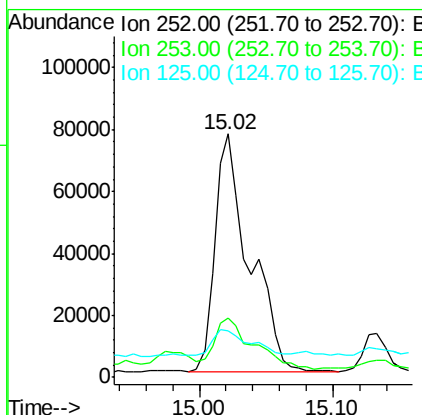
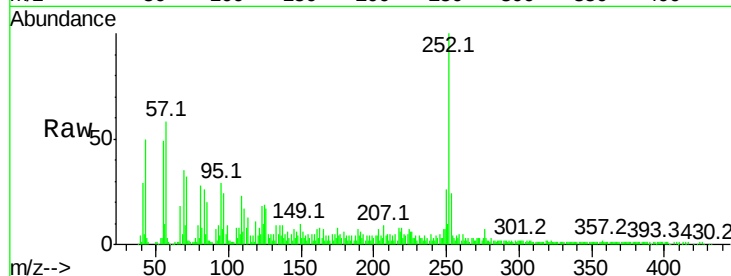




#87
Benzo(b)fluoranthene
Concen: 10.058 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

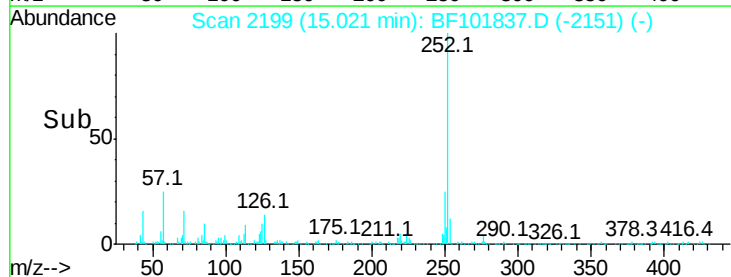
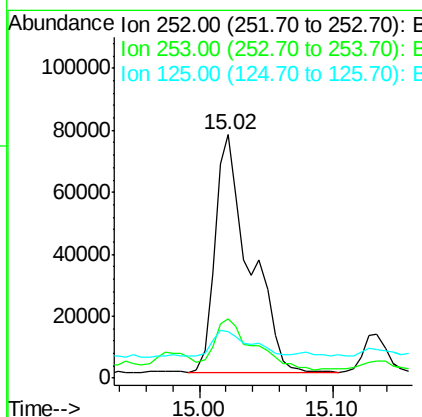
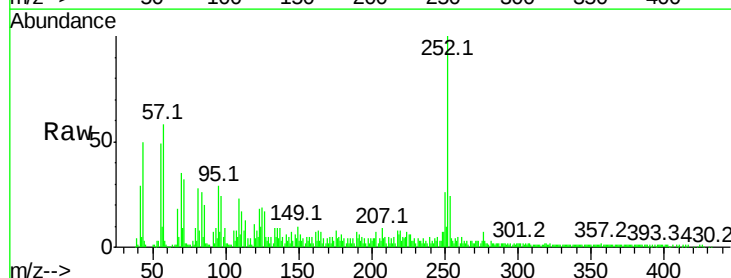
Instrument :
BNA_F
ClientSampleId :

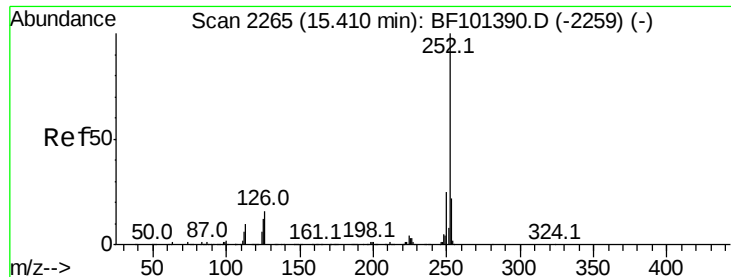
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	19.2	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 10.345 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	19.2	10.2	15.2

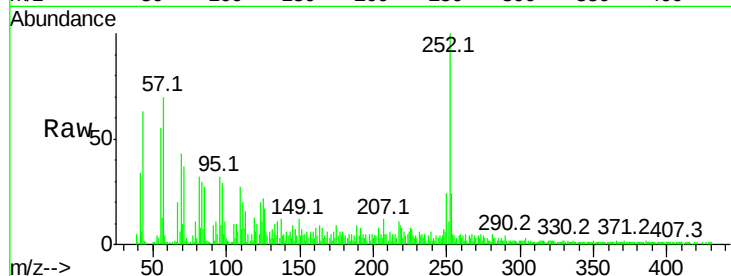




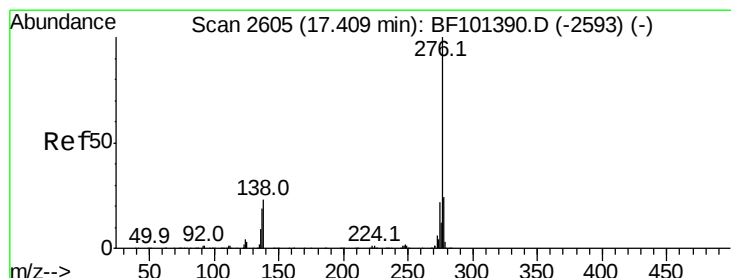
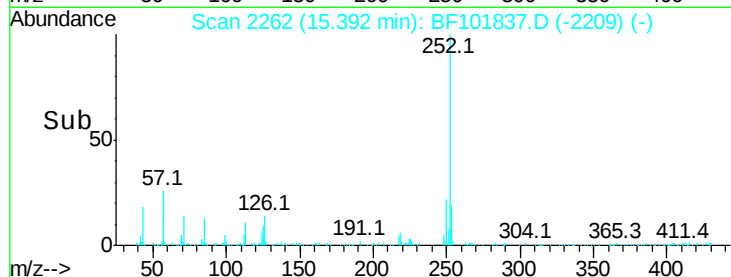
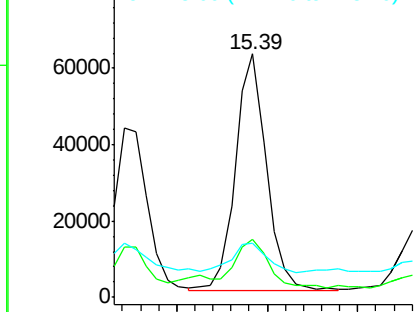
#89
Benzo(a)pyrene
Concen: 5.835 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 73964
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 22.1 9.8 14.6#

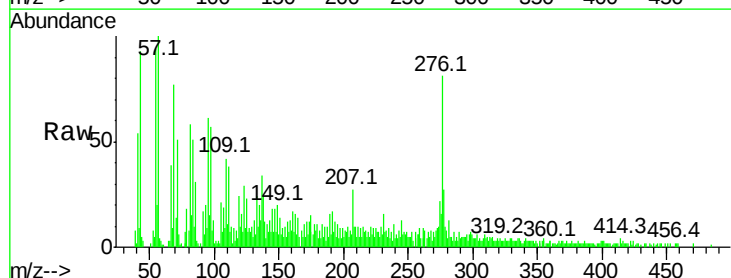


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.623 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.04 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion:276 Resp: 39045
Ion Ratio Lower Upper
276 100
277 33.4 17.9 26.9#
138 29.9 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

