

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101345.D
 Acq On : 12 Dec 2017 22:14
 Operator : SJ/JU
 Sample : I6822-04 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 00:42:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

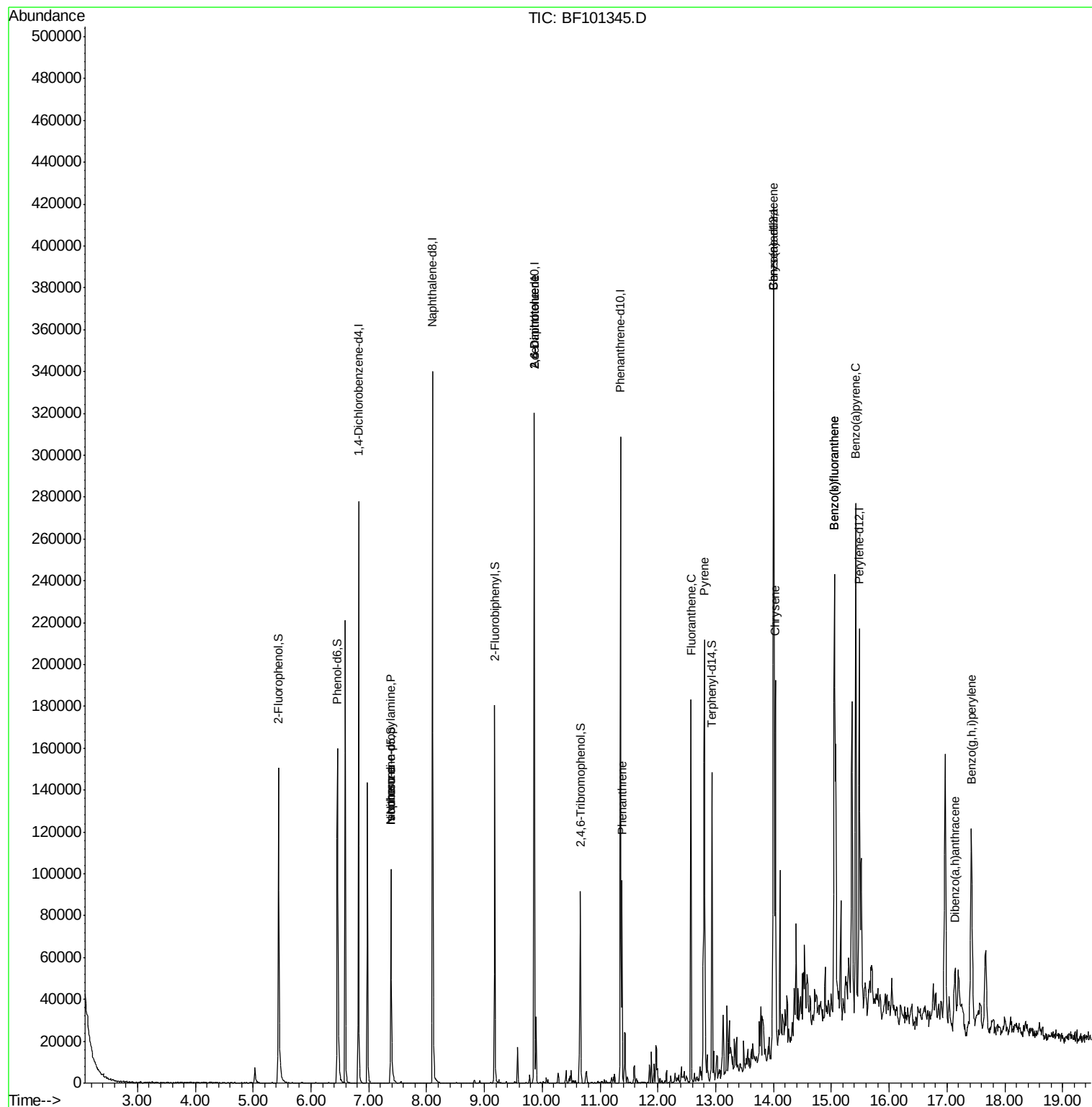
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	40951	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	153891	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	63322	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	113308	20.00	ng	0.00
75) Chrysene-d12	14.00	240	103039	20.00	ng	0.00
86) Perylene-d12	15.49	264	87534	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	55379	22.35	ng	0.00
7) Phenol-d6	6.46	99	66249	22.02	ng	0.00
23) Nitrobenzene-d5	7.39	82	35717	13.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	13637	17.93	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	58321	12.60	ng	-0.01
78) Terphenyl-d14	12.93	244	49413	10.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	4877	2.407	ng	# 80
25) Isophorone	7.39	82	35717	8.105	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	8179	7.604	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	8179	5.674	ng	# 21
70) Phenanthrene	11.37	178	38039	6.096	ng	96
74) Fluoranthene	12.57	202	78247	11.313	ng	93
77) Pyrene	12.80	202	91352	12.848	ng	99
80) Benzo(a)anthracene	14.00	228	73032	11.226	ng	97
82) Chrysene	14.03	228	68320	11.308	ng	95
87) Benzo(b)fluoranthene	15.05	252	169441	32.317	ng	100
88) Benzo(k)fluoranthene	15.05	252	169441	32.802	ng	98
89) Benzo(a)pyrene	15.42	252	117344	24.618	ng	96
90) Dibenzo(a,h)anthracene	17.14	278	18217	4.335	ng	94
91) Benzo(g,h,i)perylene	17.43	276	78366	19.788	ng	# 89

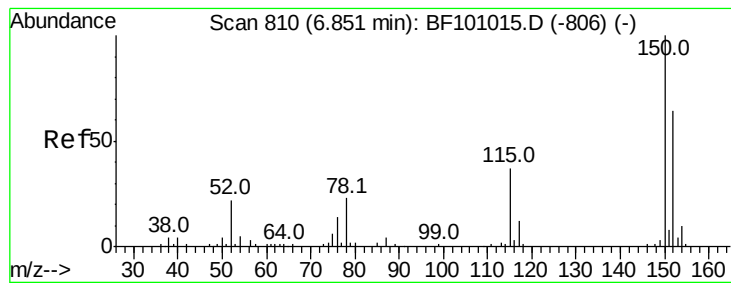
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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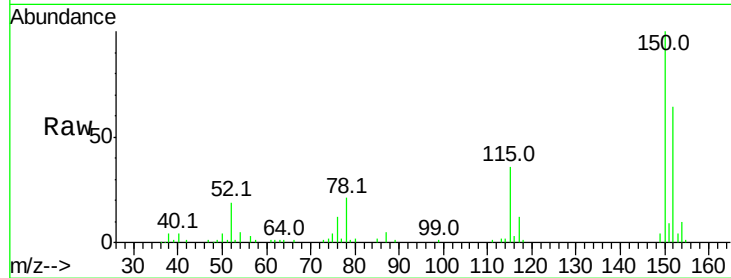


#1

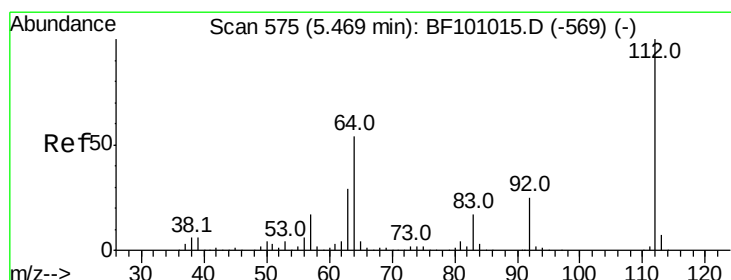
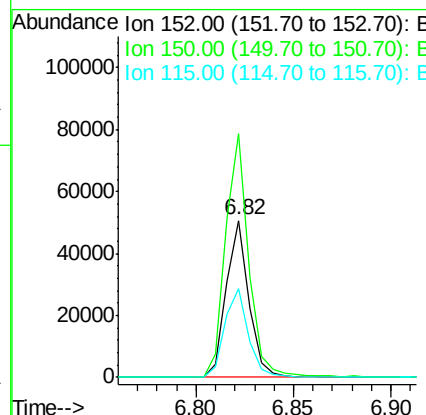
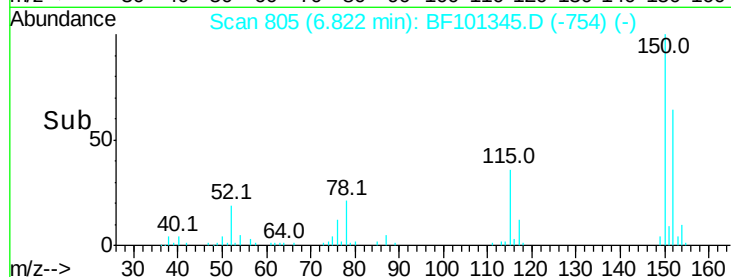
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 40951
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 56.3 50.1 75.1



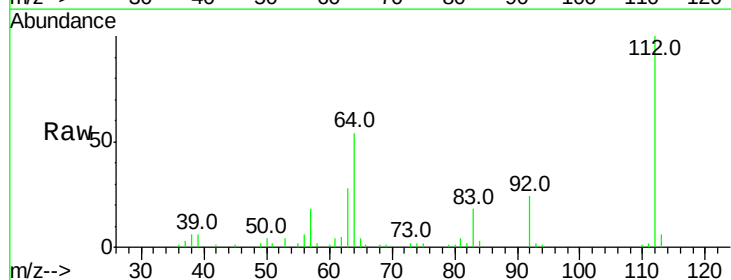
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



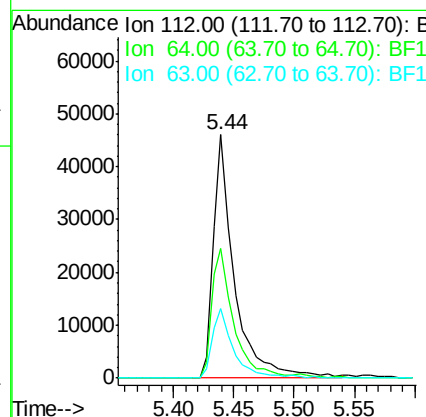
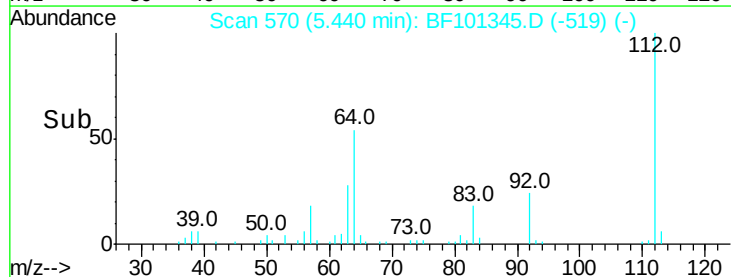
#5

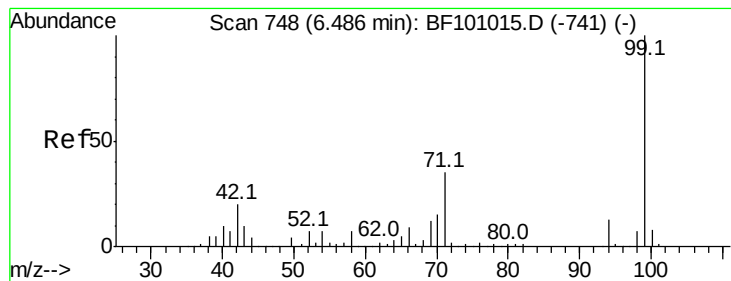
2-Fluorophenol
Concen: 22.346 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Tgt Ion:112 Resp: 55379
Ion Ratio Lower Upper
112 100
64 53.5 47.9 71.9
63 28.4 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: 22.019 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

ClientSampled :

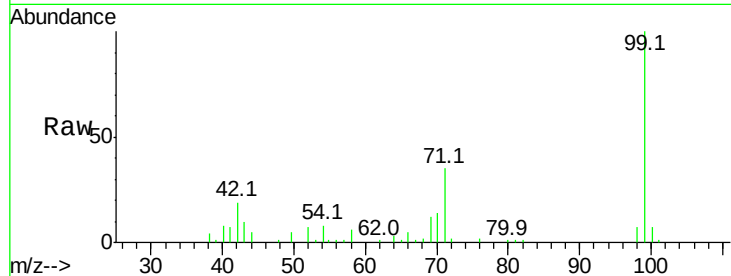
Tot Ion: 99 Resp: 66249

Ion Ratio Lower Upper

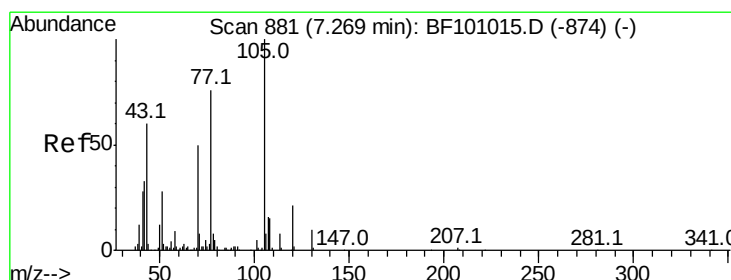
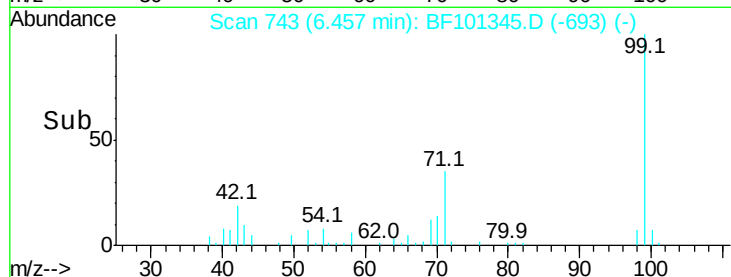
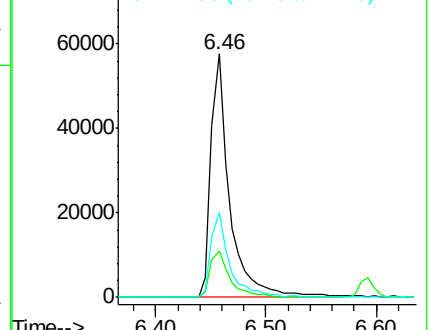
99 100

42 19.3 14.5 21.7

71 34.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 2.407 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Tgt Ion: 70 Resp: 4877

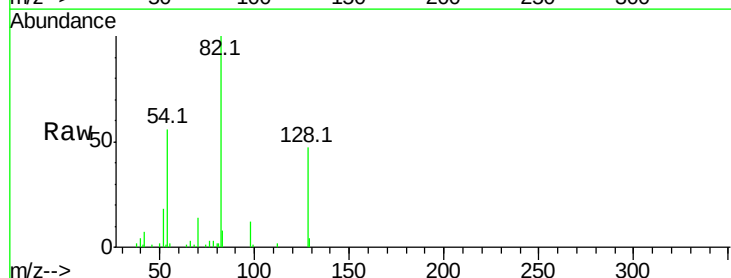
Ion Ratio Lower Upper

70 100

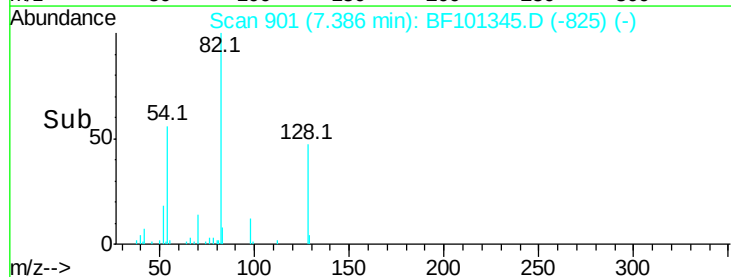
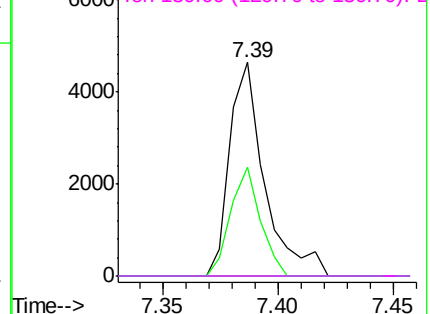
42 51.0 47.5 71.3

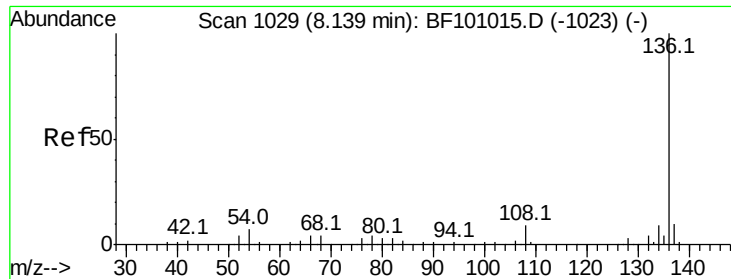
101 0.0 7.4 11.2#

130 0.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

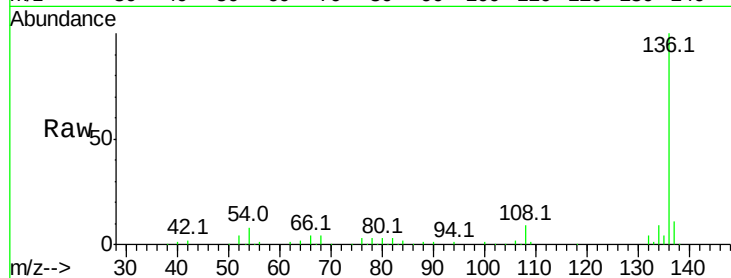




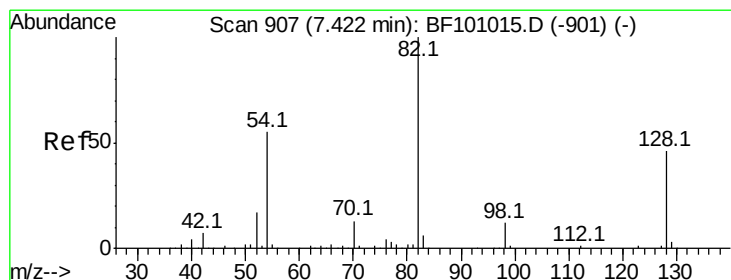
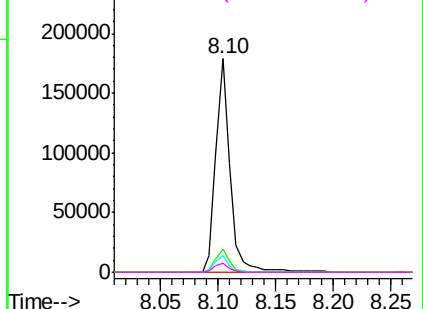
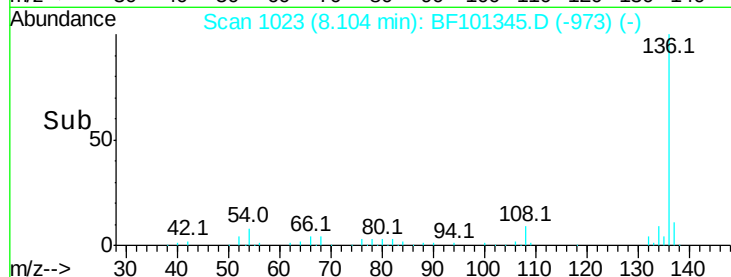
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	153891
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.7	6.6	9.8
68	4.2	5.0	7.4#

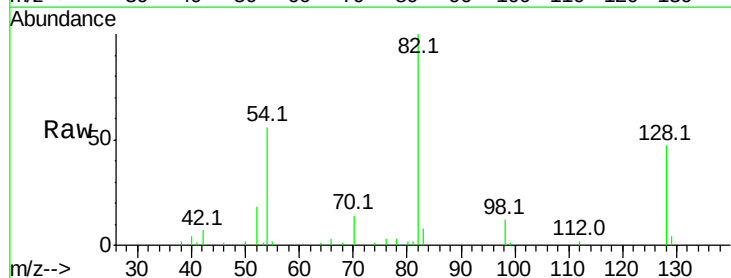


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

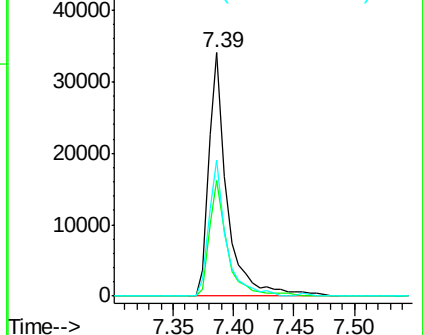
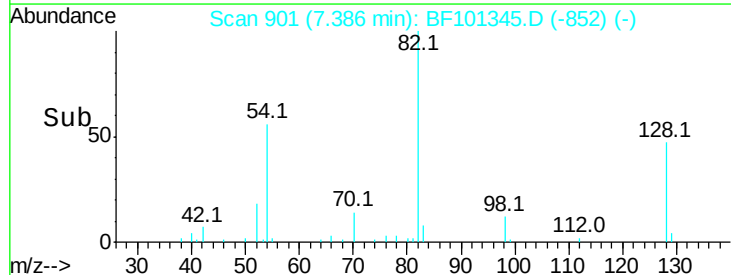


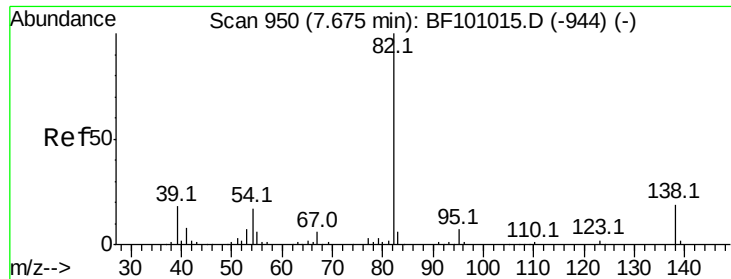
#23
Nitrobenzene-d5
Concen: 13.845 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Tgt Ion:	82	Resp:	35717
Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	55.8	41.4	62.2



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





#25

Isophorone

Concen: 8.105 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

ClientSampleId :

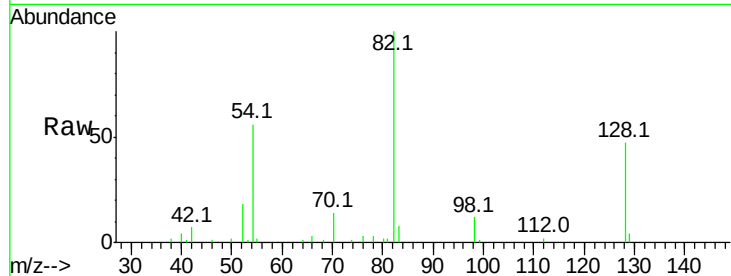
Tot Ion: 82 Resp: 35717

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

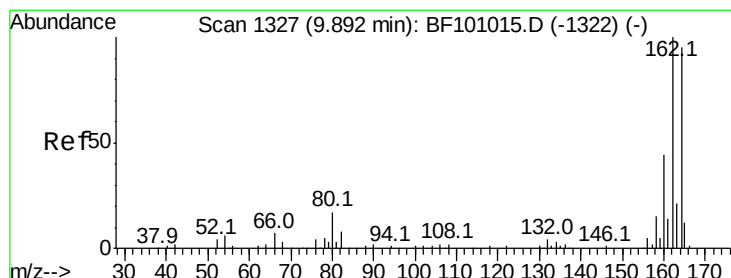
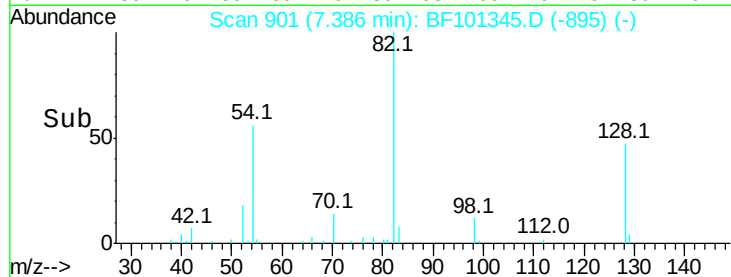
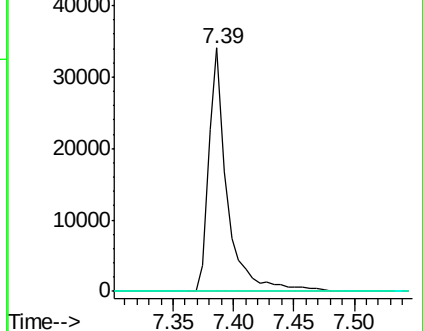
138 0.0 14.9 22.3#



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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

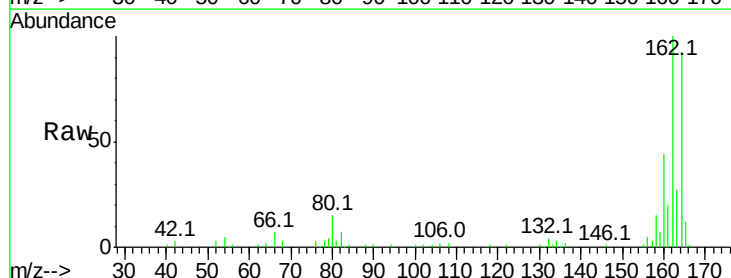
Tgt Ion:164 Resp: 63322

Ion Ratio Lower Upper

164 100

162 108.7 86.1 129.1

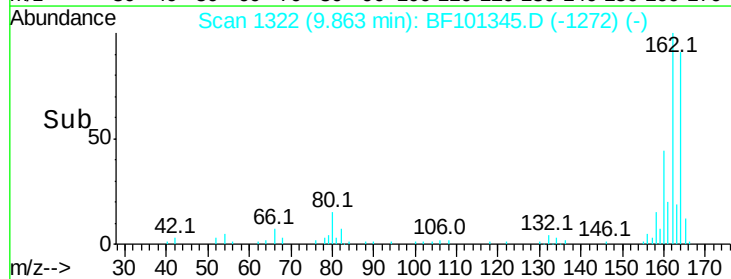
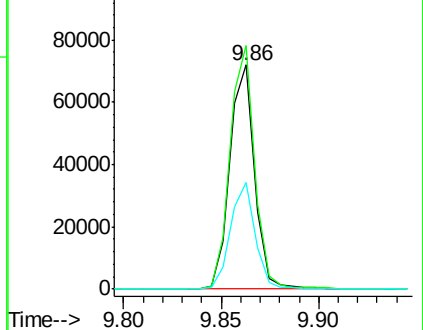
160 47.4 38.3 57.5

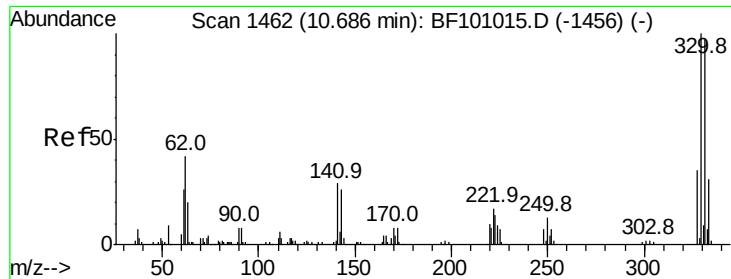


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 17.927 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

ClientSampleId :

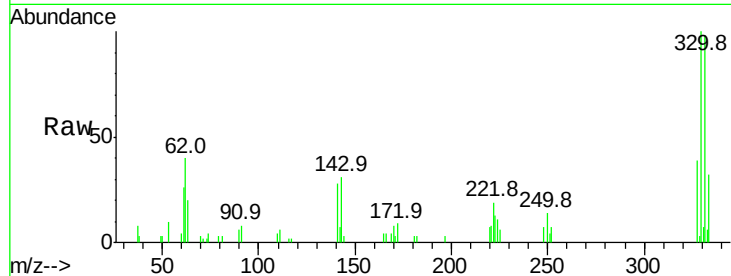
Tot Ion:330 Resp: 13637

Ion Ratio Lower Upper

330 100

332 89.6 77.0 115.6

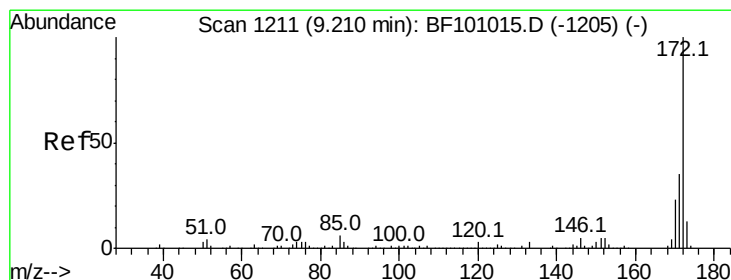
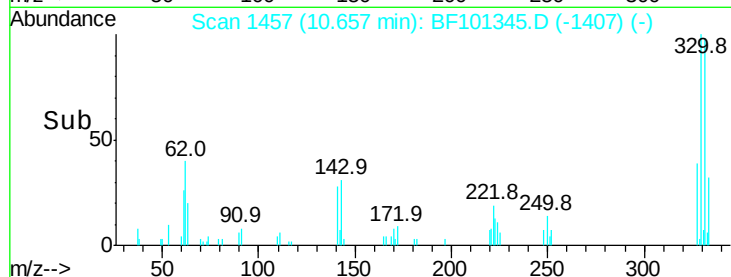
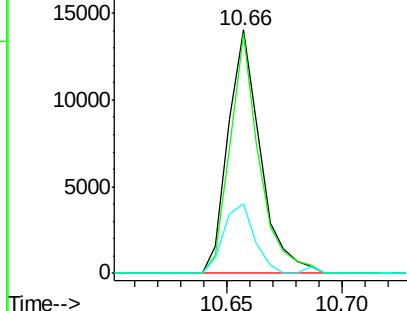
141 27.3 29.9 44.9#



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: 12.601 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

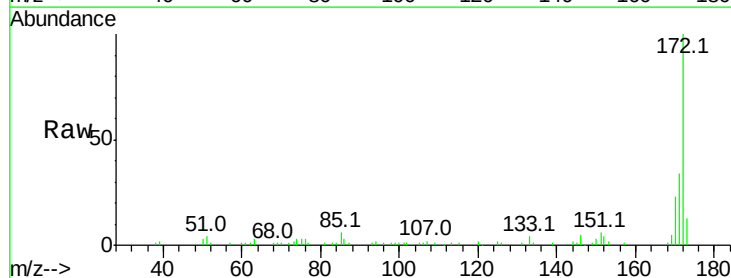
Tgt Ion:172 Resp: 58321

Ion Ratio Lower Upper

172 100

171 33.9 29.7 44.5

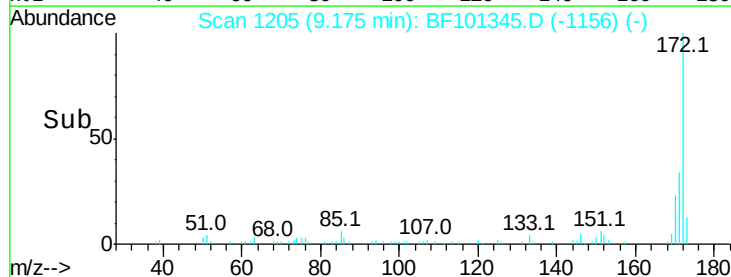
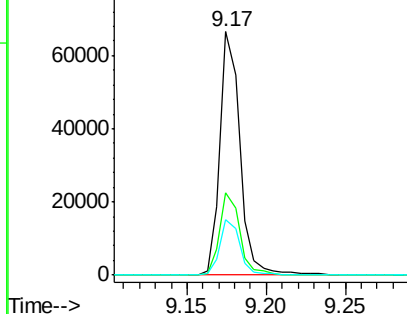
170 22.9 19.6 29.4

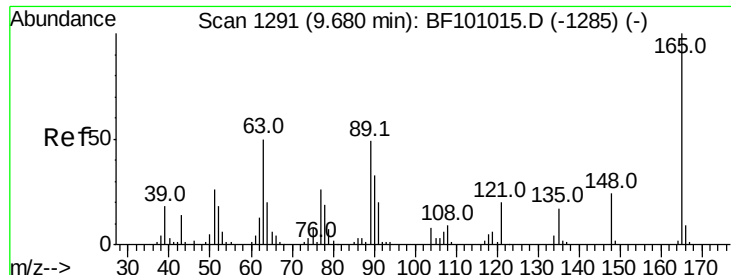


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

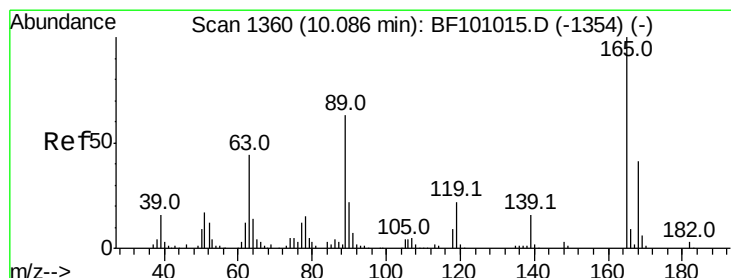
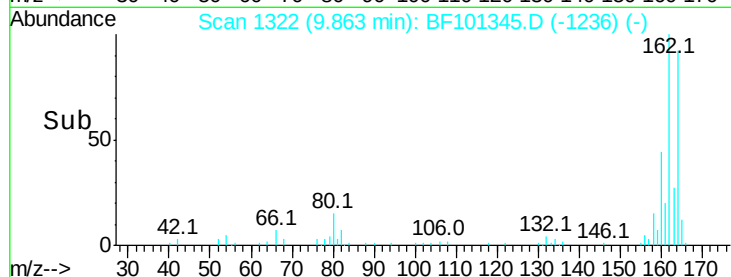
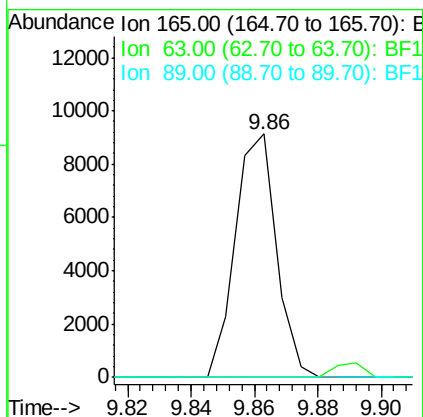
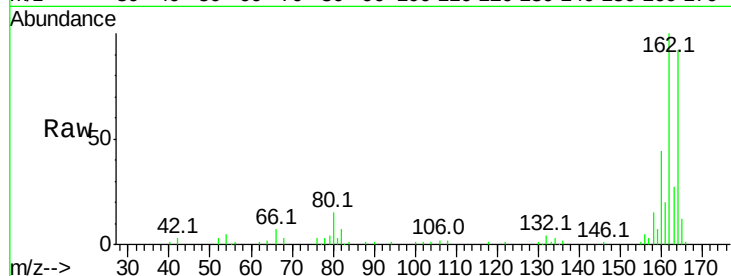




#50
 2,6-Dinitrotoluene
 Concen: 7.604 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF101345.D
 Acq: 12 Dec 2017 22:14

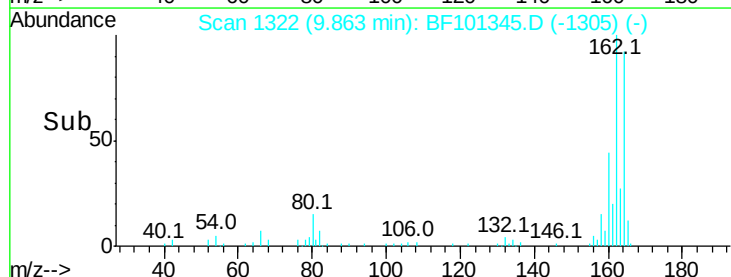
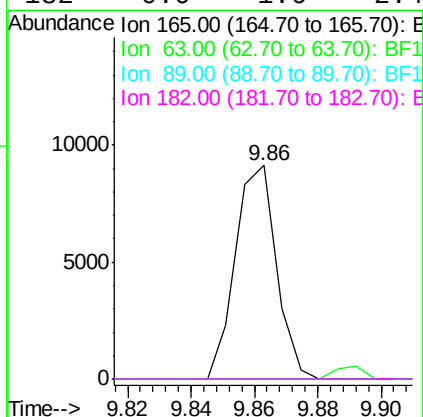
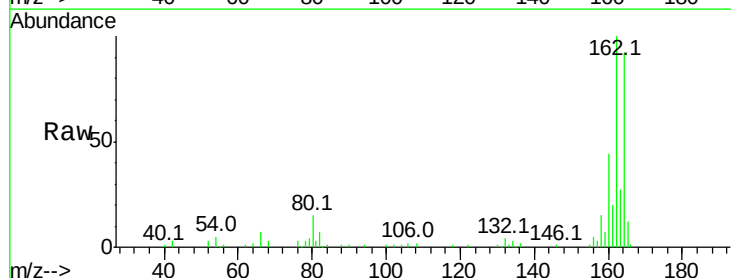
Instrument :
 BNA_F
 ClientSampleId :

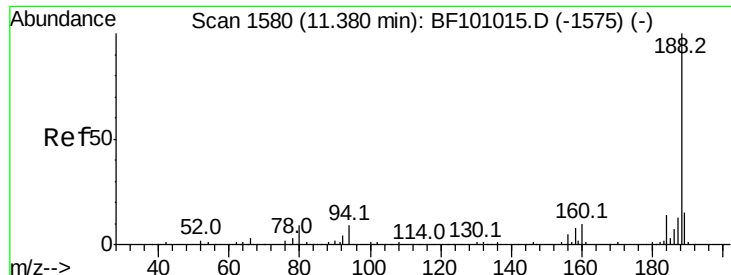
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.674 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF101345.D
 Acq: 12 Dec 2017 22:14

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

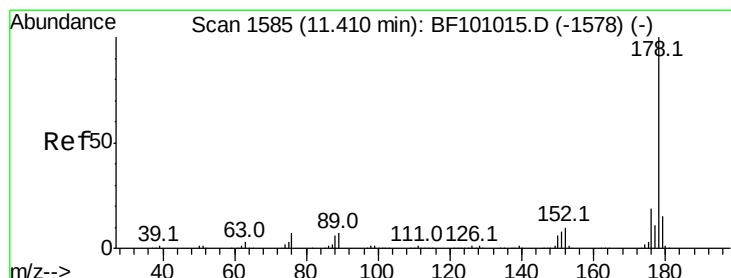
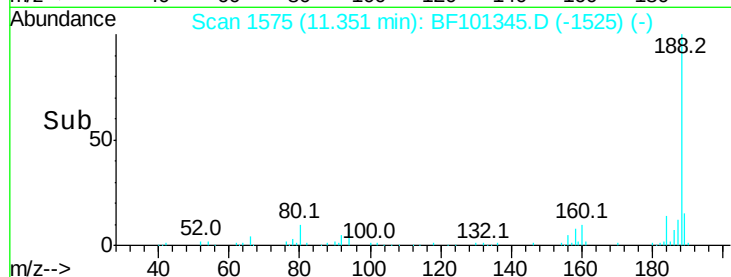
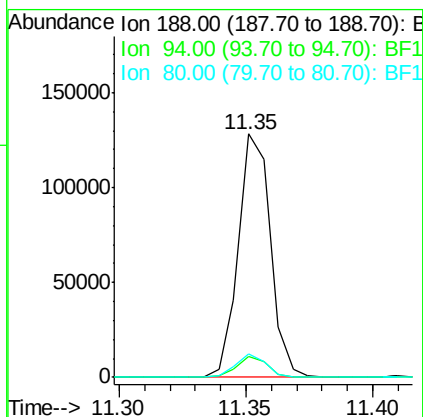
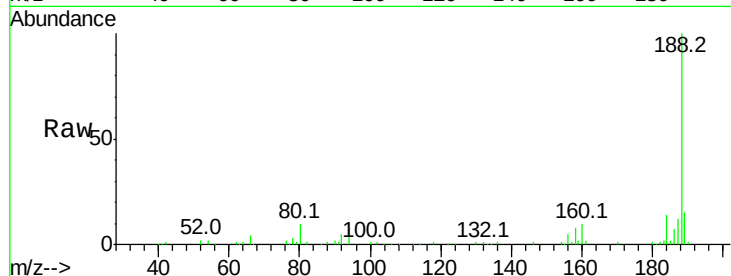




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF101345.D
 Acq: 12 Dec 2017 22:14

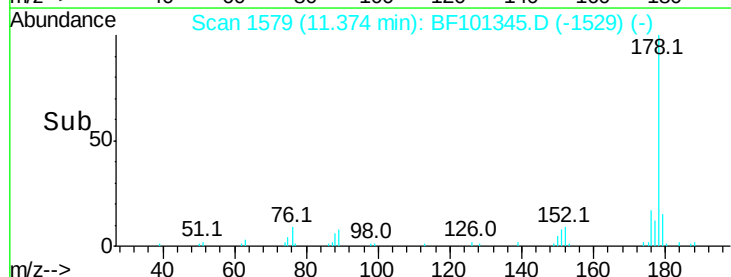
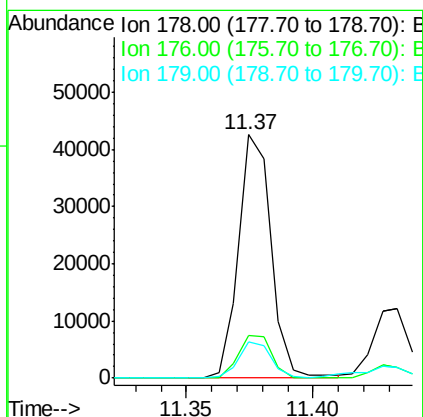
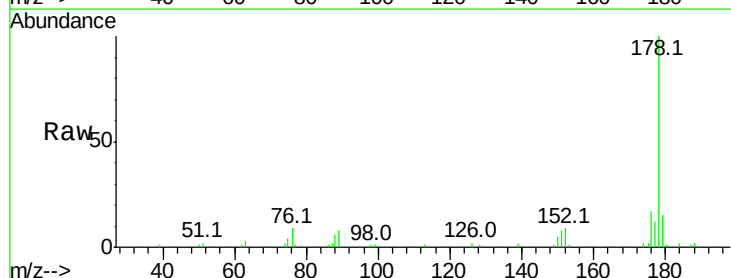
Instrument :
 BNA_F
 ClientSampleId :

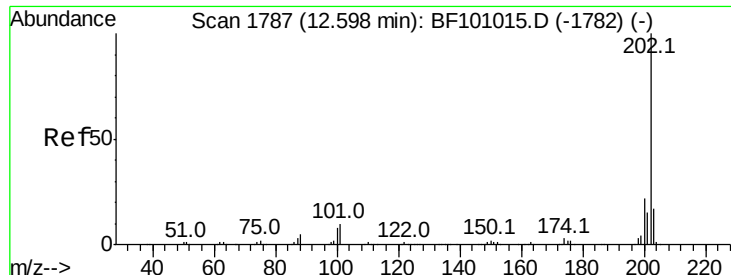
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	9.8	9.2	13.8



#70
 Phenanthrene
 Concen: 6.096 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF101345.D
 Acq: 12 Dec 2017 22:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.8	23.8
179	14.9	13.0	19.6

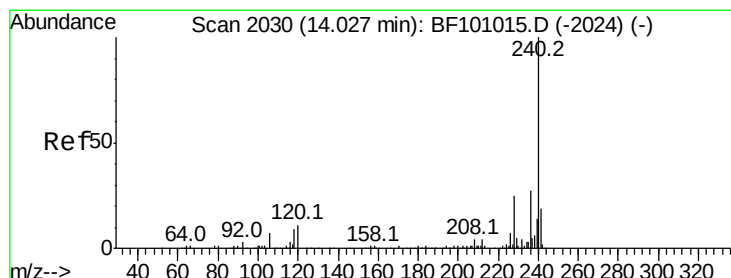
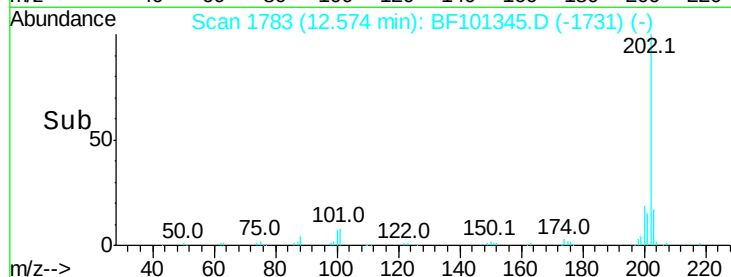
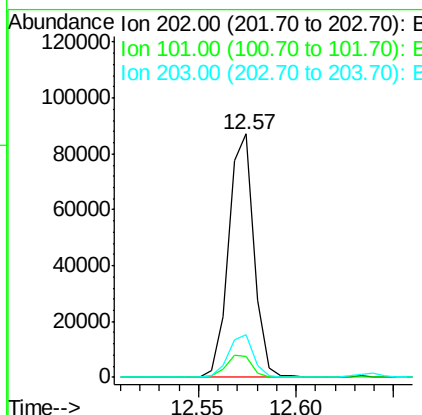
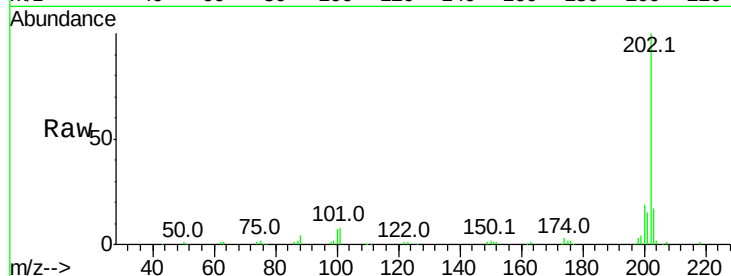




#74
 Fluoranthene
 Concen: 11.313 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101345.D
 Acq: 12 Dec 2017 22:14

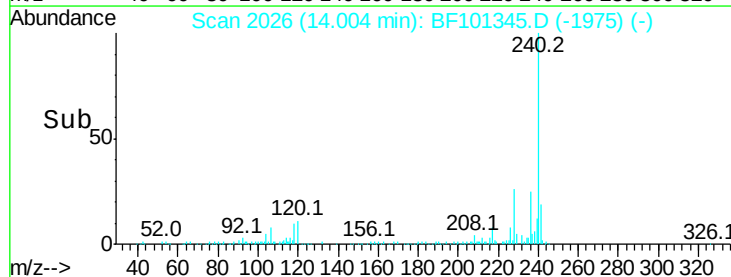
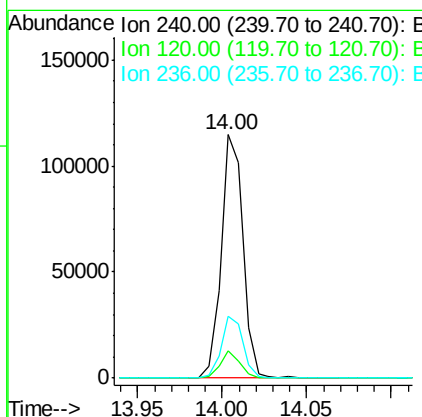
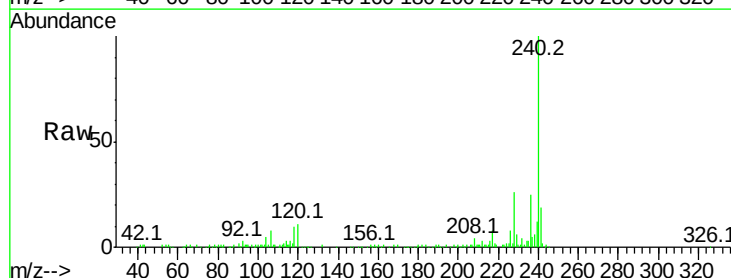
Instrument :
 BNA_F
 ClientSampleId :

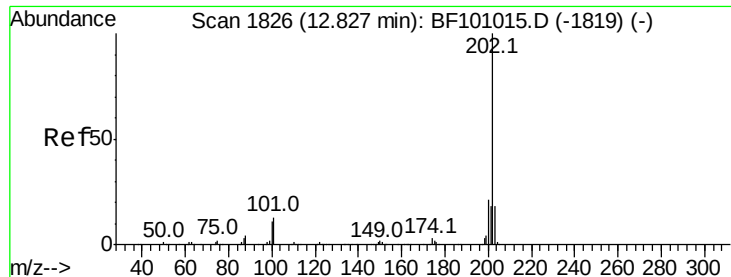
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	34.1
203	17.3	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: BF101345.D
 Acq: 12 Dec 2017 22:14

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	25.4	20.7	31.1





#77

Pvrene

Concen: 12.848 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

ClientSampleId :

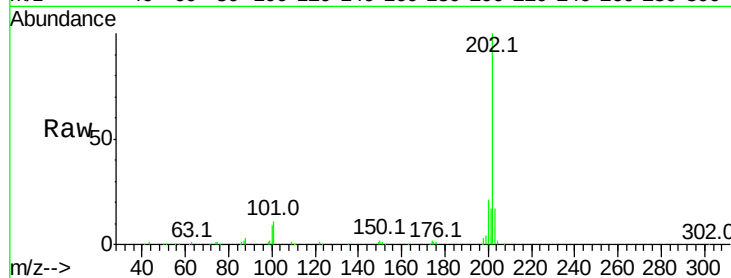
Tot Ion:202 Resp: 91352

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

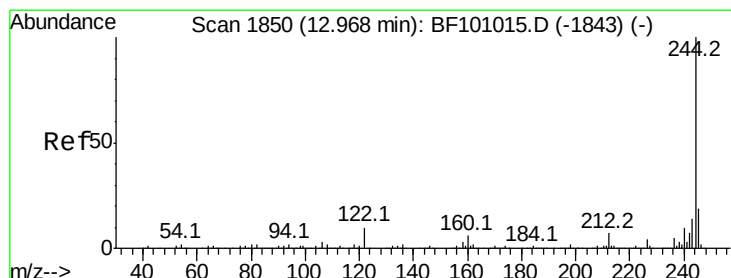
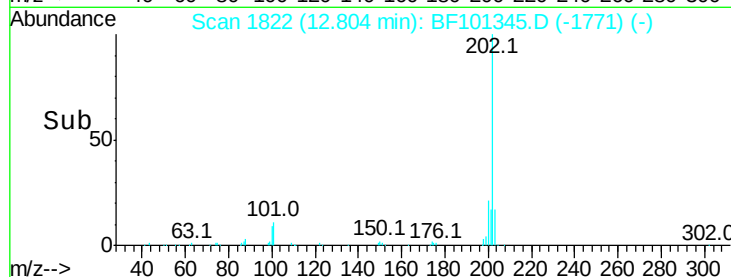
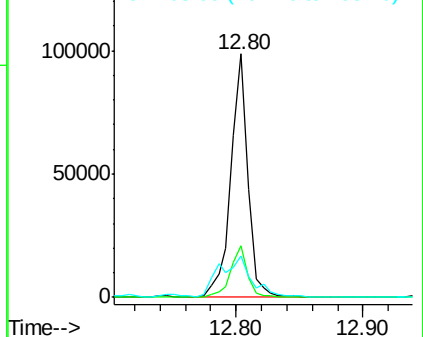
203 17.0 14.3 21.5



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: 10.489 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

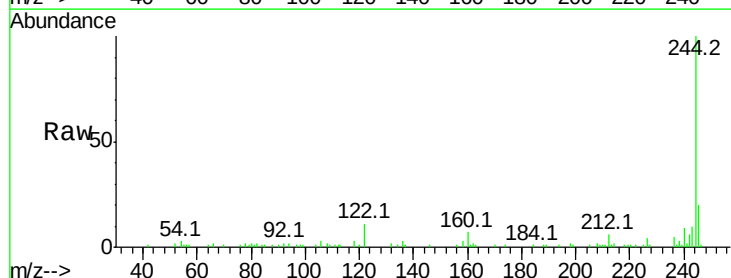
Tgt Ion:244 Resp: 49413

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

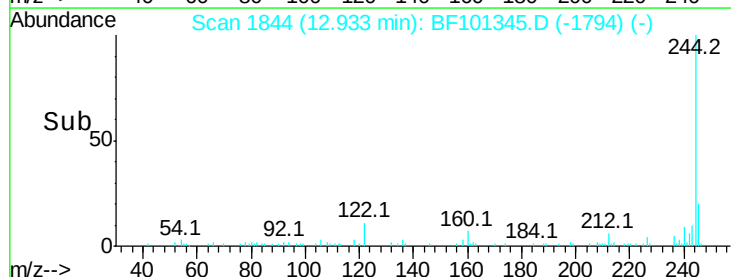
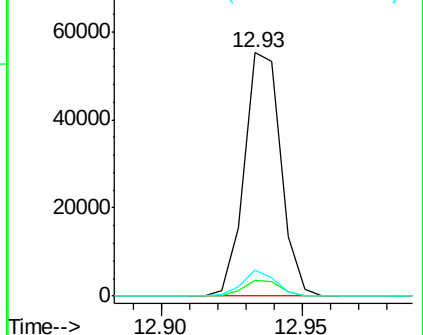
122 10.8 11.0 16.4#

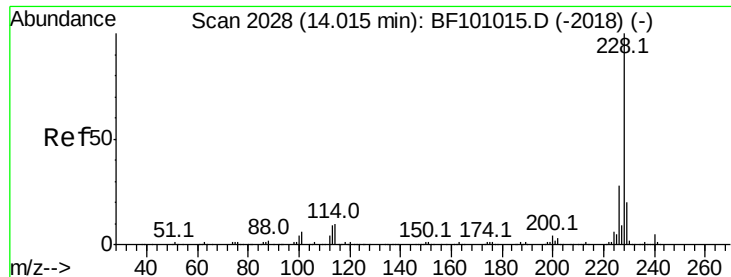


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.226 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

ClientSampled :

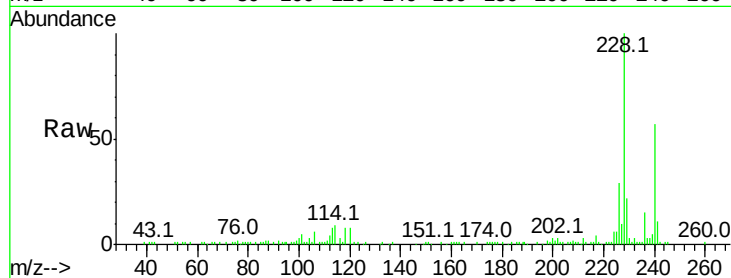
Tot Ion:228 Resp: 73032

Ion Ratio Lower Upper

228 100

226 29.2 22.6 33.8

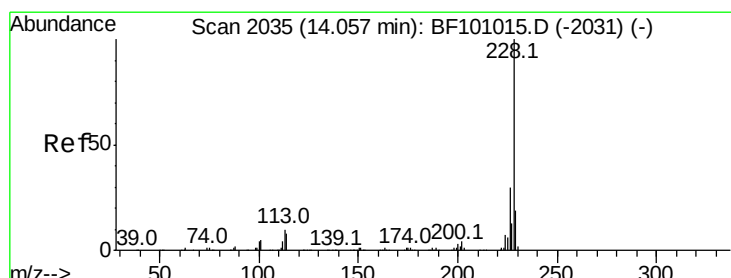
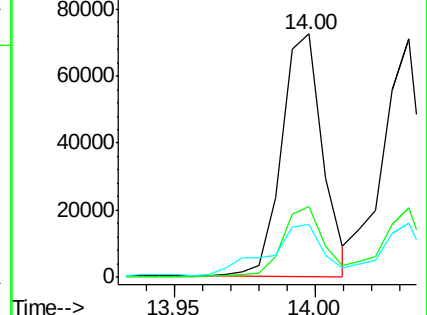
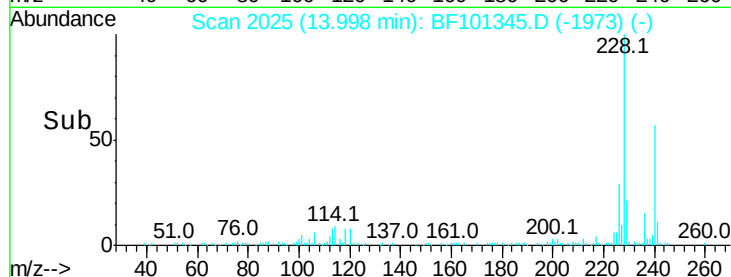
229 21.8 15.8 23.6



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: 11.308 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

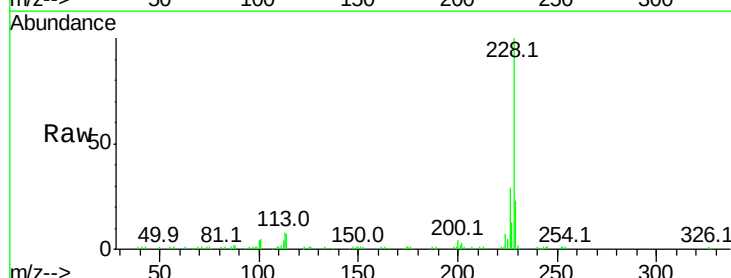
Tgt Ion:228 Resp: 68320

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

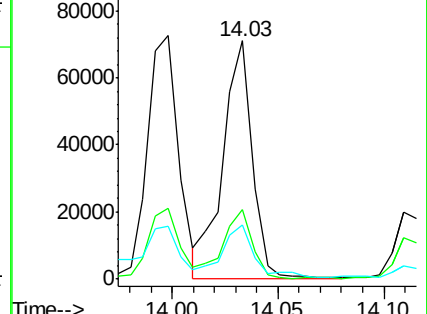
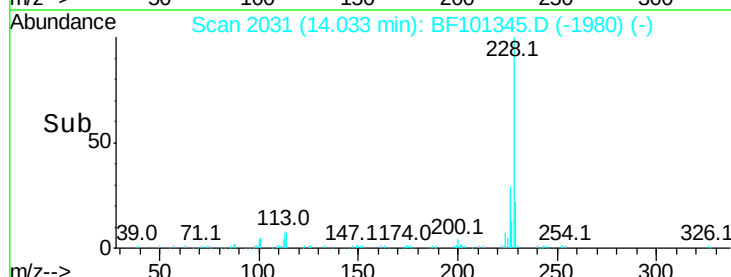
229 22.7 16.2 24.4

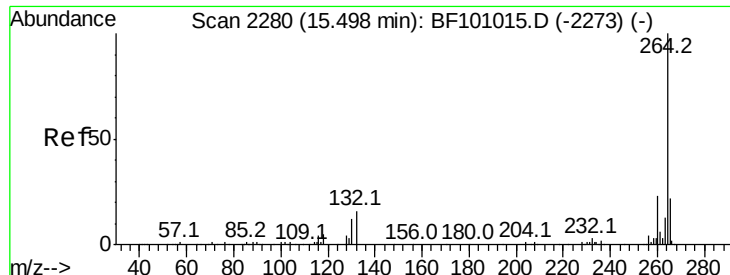


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.02 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

ClientSampleId :

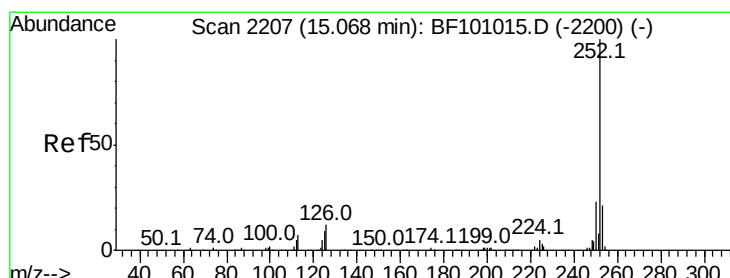
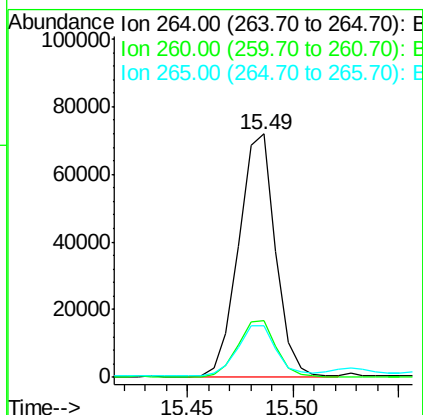
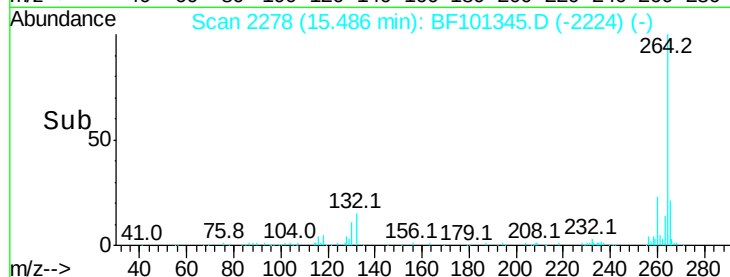
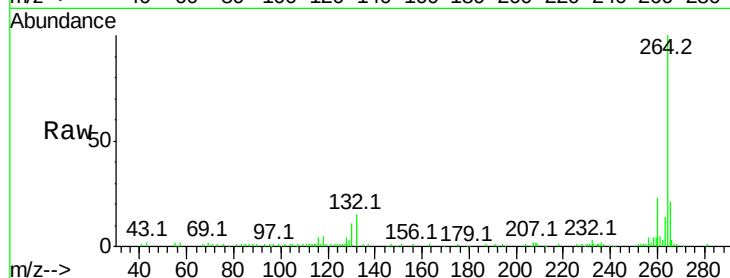
Tot Ion:264 Resp: 87534

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.3 17.5 26.3



#87

Benzo(b)fluoranthene

Concen: 32.317 ng

RT: 15.05 min Scan# 2204

Delta R.T. 0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

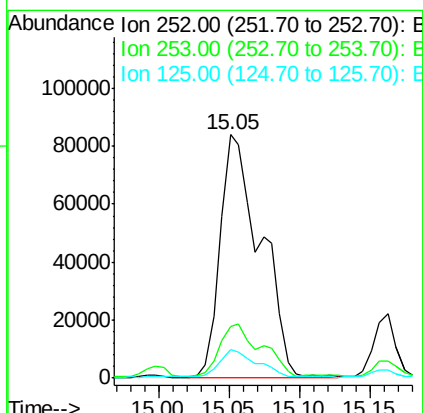
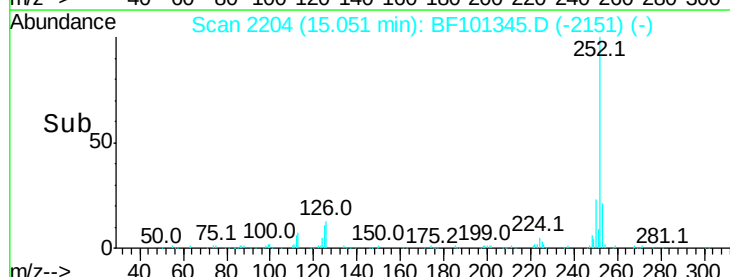
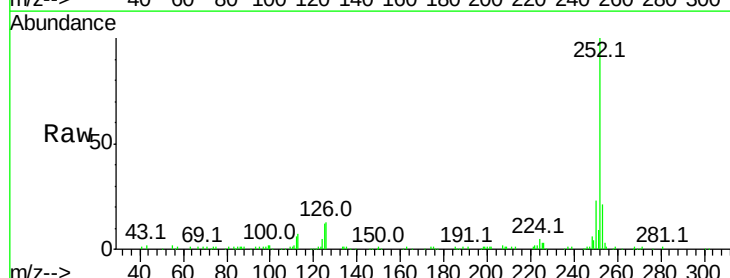
Tgt Ion:252 Resp: 169441

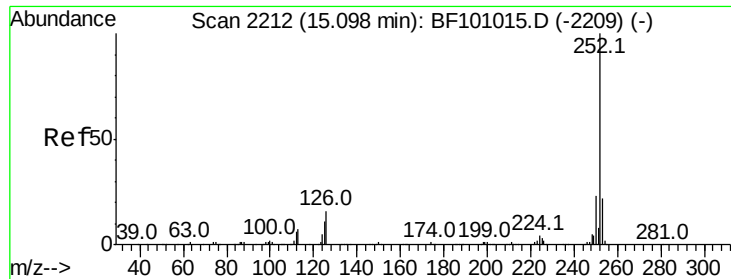
Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

125 11.6 9.0 13.6

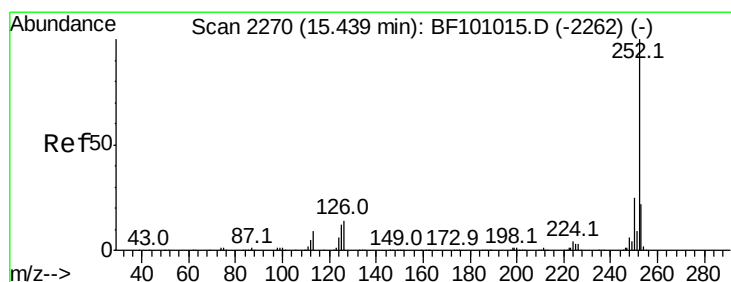
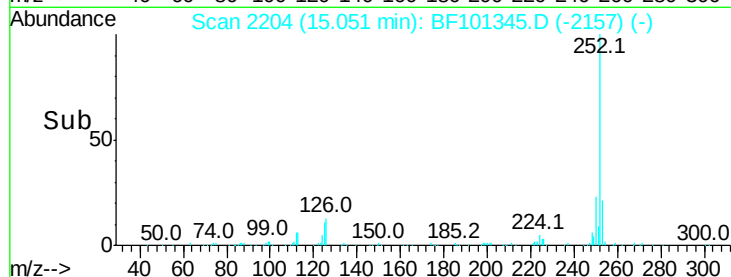
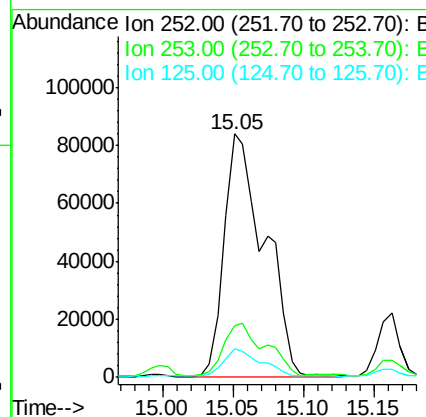
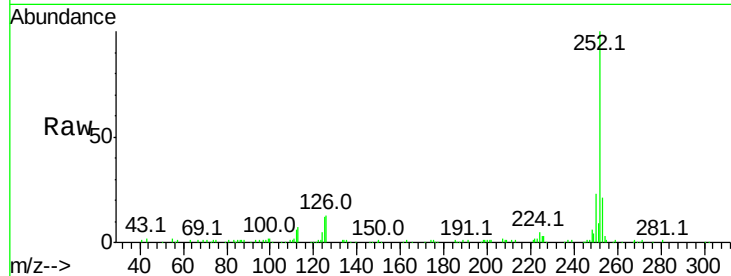




#88
Benzo(k)fluoranthene
Concen: 32.802 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

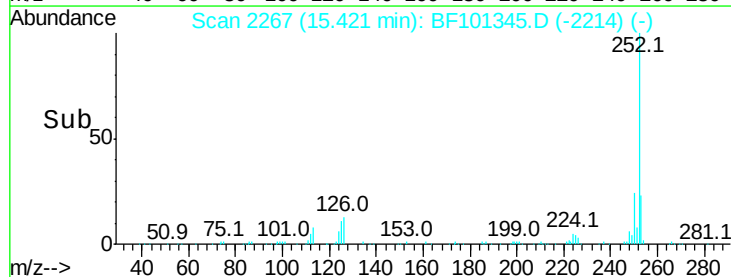
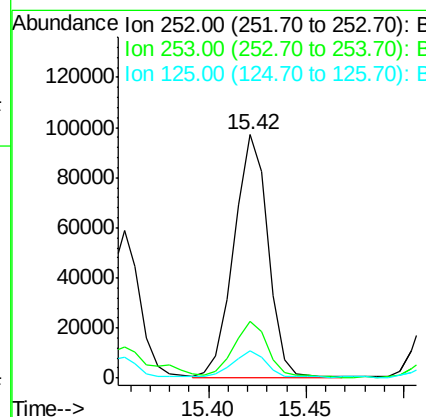
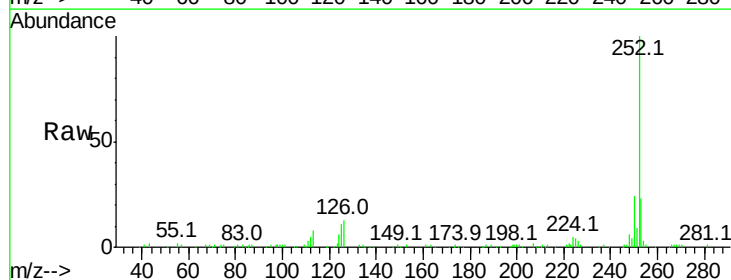
Instrument :
BNA_F
ClientSampleId :

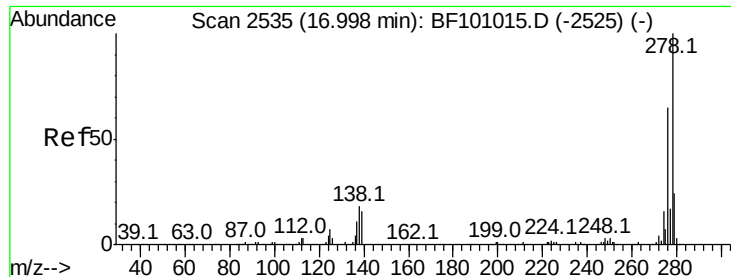
Tot Ion:252 Resp: 169441
Ion Ratio Lower Upper
252 100
253 21.3 17.9 26.9
125 11.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 24.618 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Tgt Ion:252 Resp: 117344
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.2 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.335 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.18 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

ClientSampled :

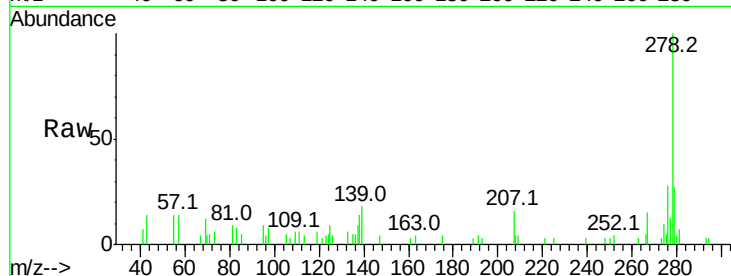
Tot Ion:278 Resp: 18217

Ion Ratio Lower Upper

278 100

139 17.6 15.9 23.9

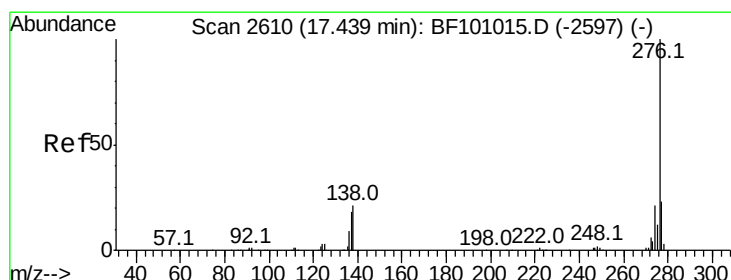
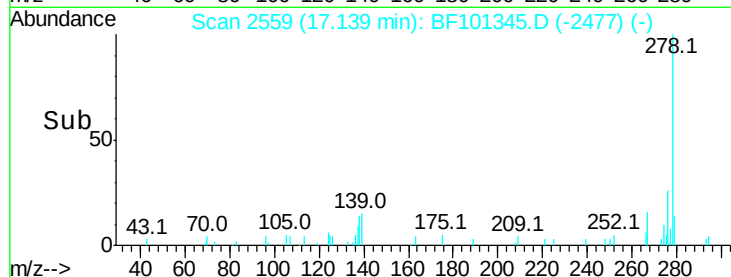
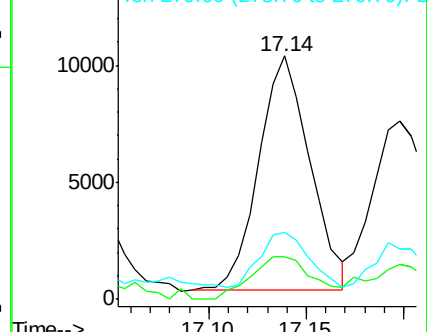
279 27.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 19.788 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.04 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

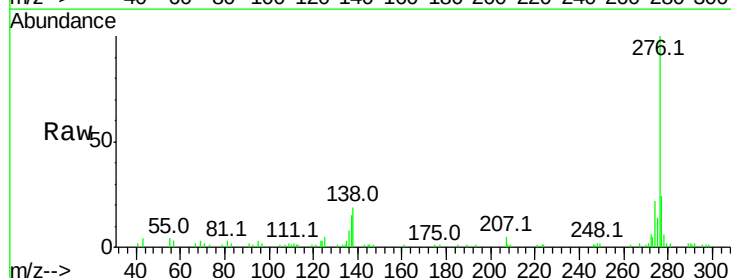
Tgt Ion:276 Resp: 78366

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 19.2 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

