

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101039.D
 Acq On : 1 Dec 2017 1:06
 Operator : SJ/JU
 Sample : I6618-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 01 03:29:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 30 16:01:41 2017
 Response via : Initial Calibration

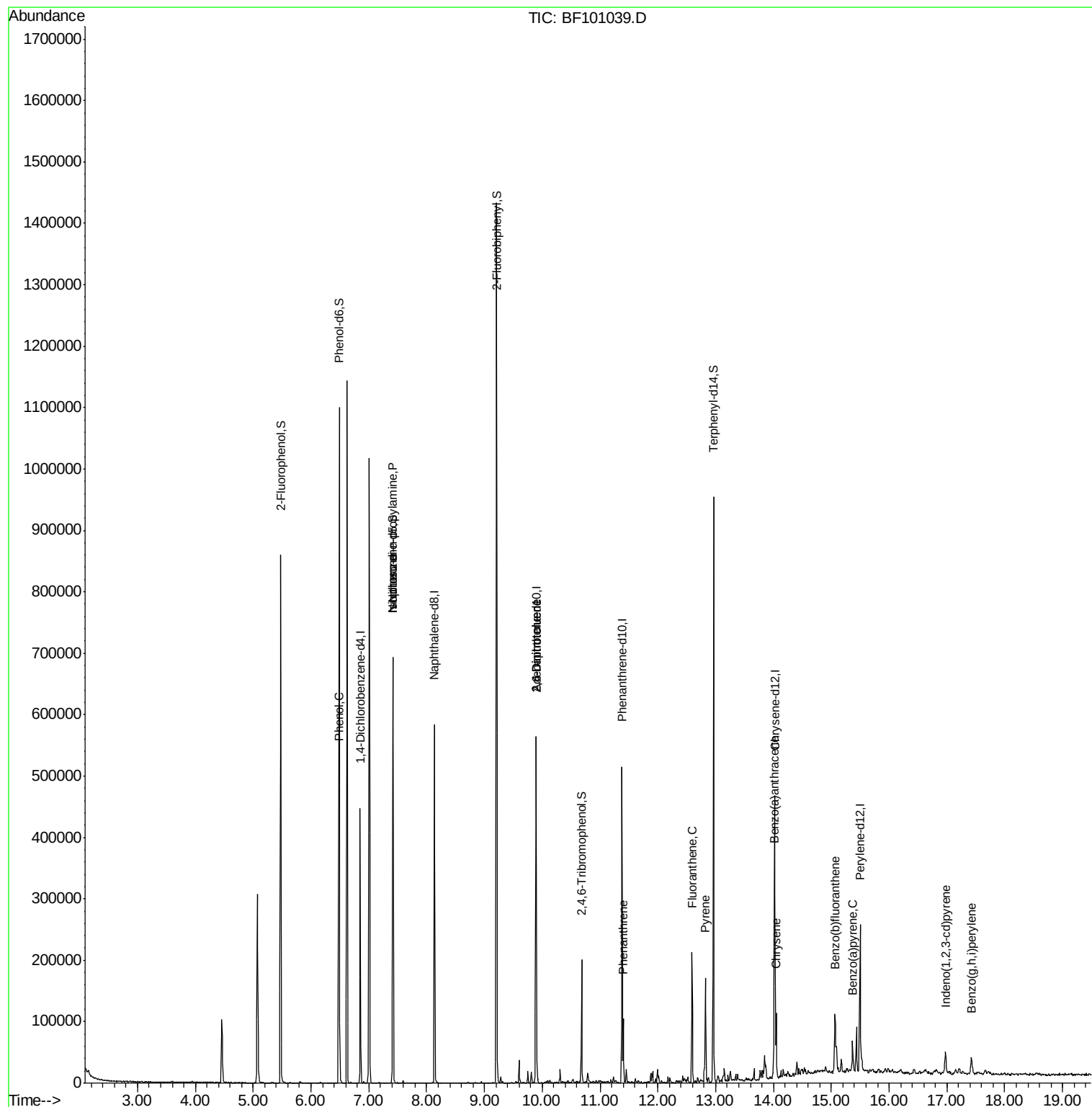
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	65890	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	247203	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	110016	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	180375	20.00	ng	0.00
75) Chrysene-d12	14.02	240	136732	20.00	ng	0.00
86) Perylene-d12	15.50	264	114144	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	220254	55.24	ng	0.00
7) Phenol-d6	6.49	99	362896	74.96	ng	0.00
23) Nitrobenzene-d5	7.42	82	230654	55.66	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	25357	19.19	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	424347	52.77	ng	0.00
78) Terphenyl-d14	12.96	244	303361	48.53	ng	0.00
Target Compounds						
10) Phenol	6.50	94	16080	2.987	ng	100
19) n-Nitroso-di-n-propylamine	7.42	70	29807	9.142	ng	# 80
25) Isophorone	7.42	82	230648	32.585	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	13716	7.340	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	13716	5.477	ng	# 21
70) Phenanthrene	11.40	178	37514	3.777	ng	99
74) Fluoranthene	12.59	202	78055	7.089	ng	94
77) Pyrene	12.82	202	69000	7.313	ng	97
80) Benzo(a)anthracene	14.01	228	42398	4.911	ng	99
82) Chrysene	14.05	228	39651	4.945	ng	99
85) Indeno(1,2,3-cd)pyrene	16.97	276	23437	3.288	ng	# 91
87) Benzo(b)fluoranthene	15.06	252	68367	10.000	ng	98
89) Benzo(a)pyrene	15.37	252	24521	3.945	ng	98
91) Benzo(a,h,i)perylene	17.42	276	22764	4.408	ng	# 92

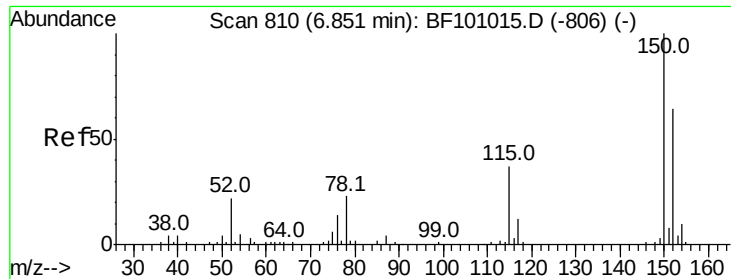
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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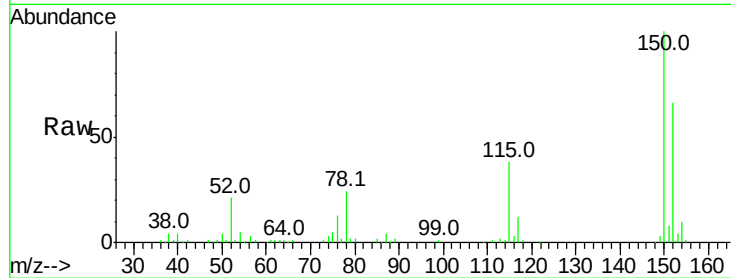


#1

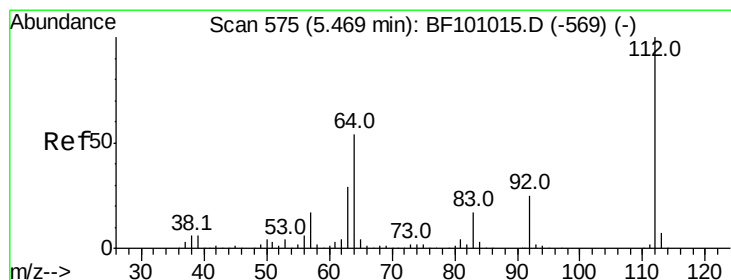
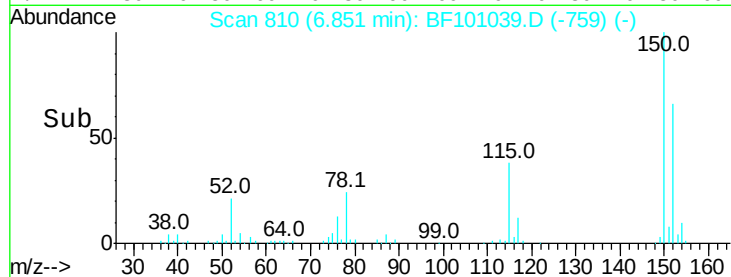
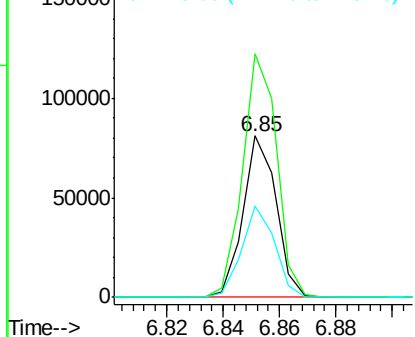
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 65890
Ion Ratio Lower Upper
152 100
150 150.7 124.6 186.8
115 56.6 50.1 75.1



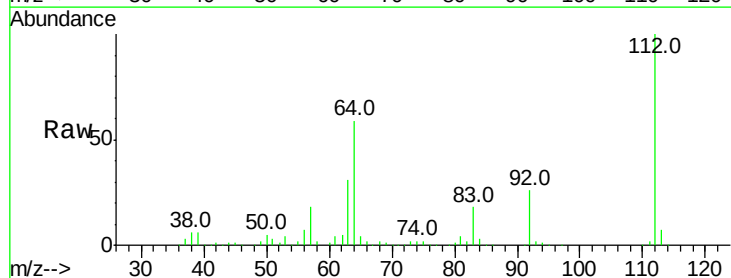
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



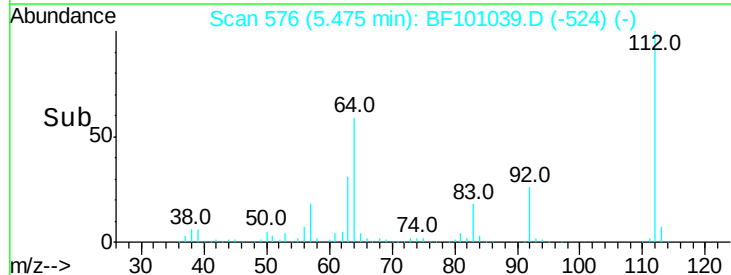
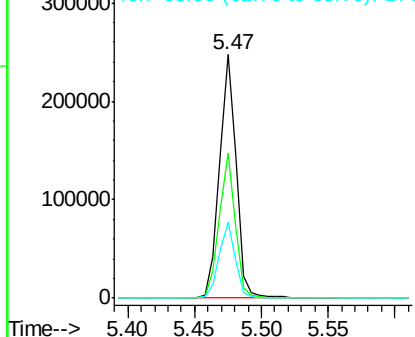
#5

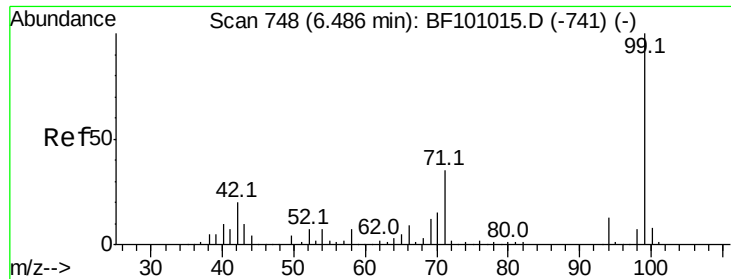
2-Fluorophenol
Concen: 55.237 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion:112 Resp: 220254
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 31.2 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: 74.961 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

Instrument :

BNA_F

ClientSampleId :

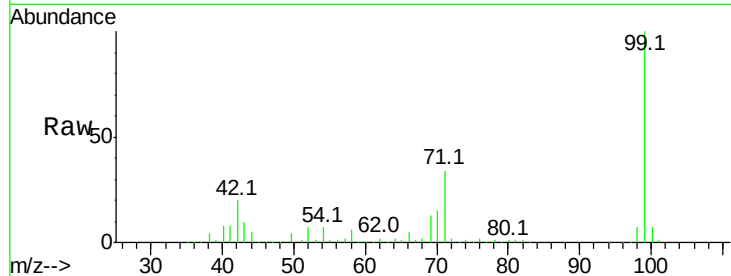
Tot Ion: 99 Resp: 362896

Ion Ratio Lower Upper

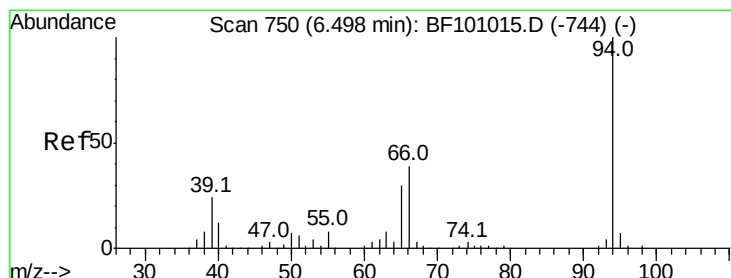
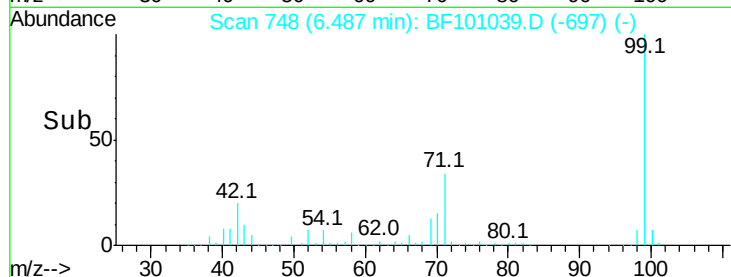
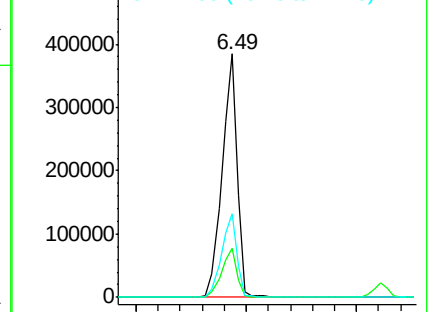
99 100

42 20.2 14.5 21.7

71 34.2 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: 2.987 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

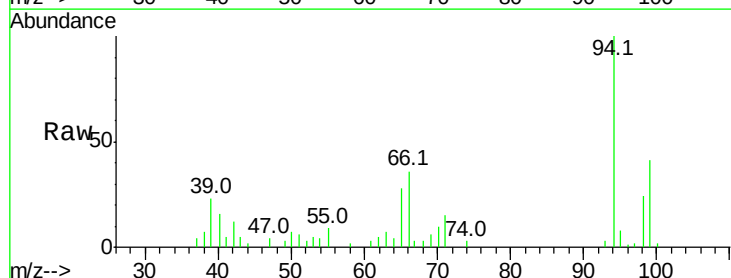
Tgt Ion: 94 Resp: 16080

Ion Ratio Lower Upper

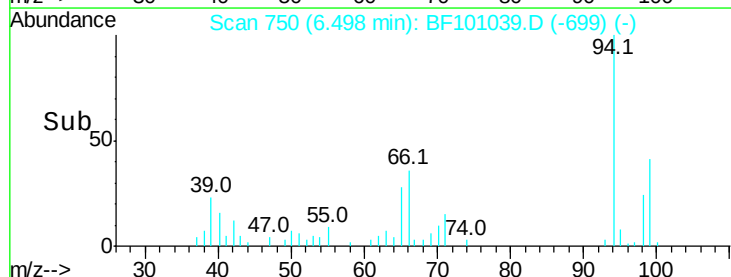
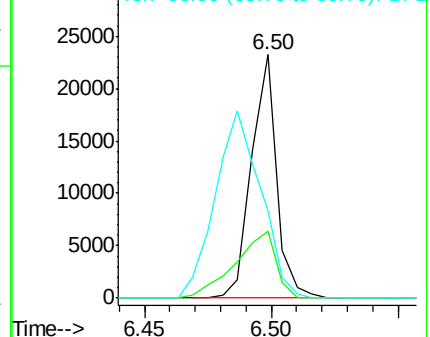
94 100

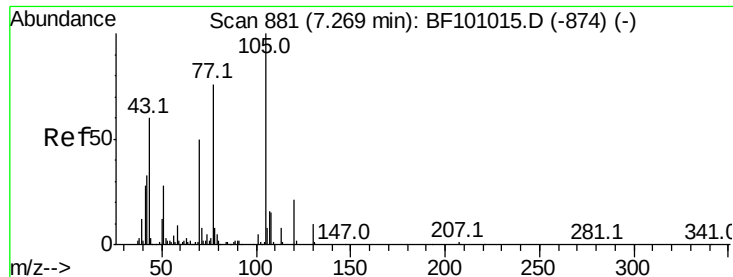
65 27.5 7.9 47.9

66 36.0 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: 9.142 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 29807

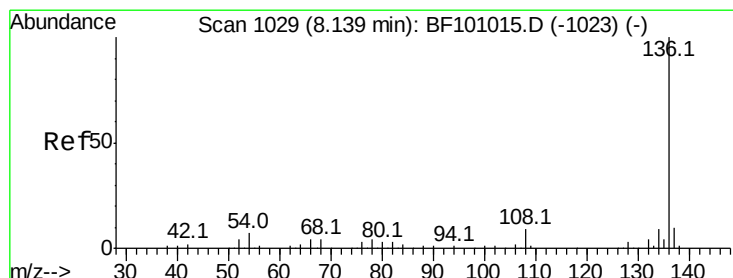
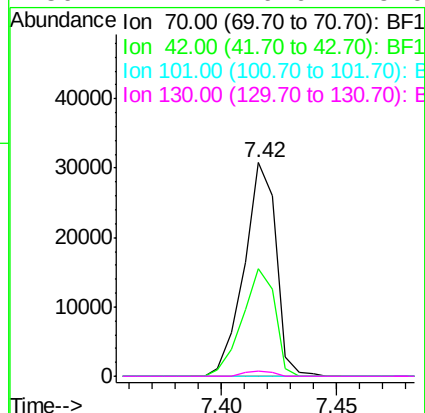
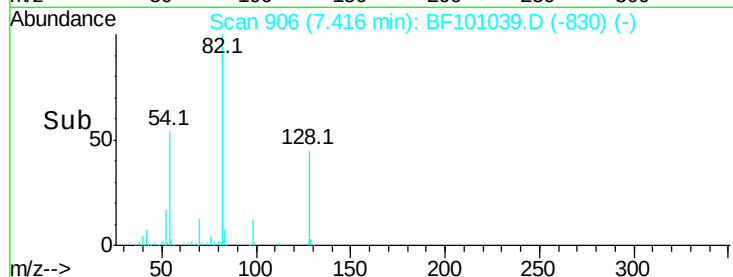
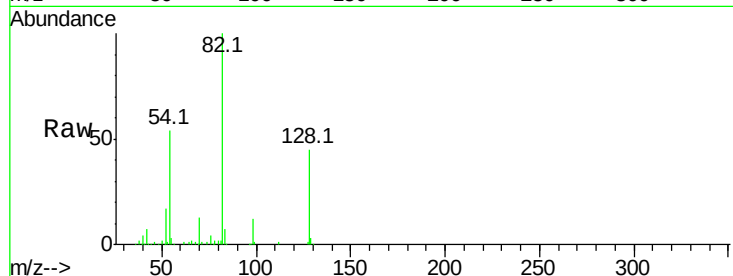
Ion Ratio Lower Upper

70 100

42 50.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

Tgt Ion: 136 Resp: 247203

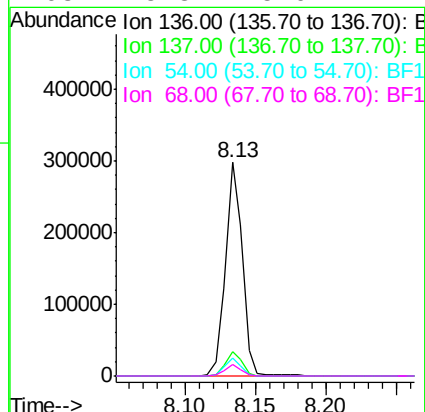
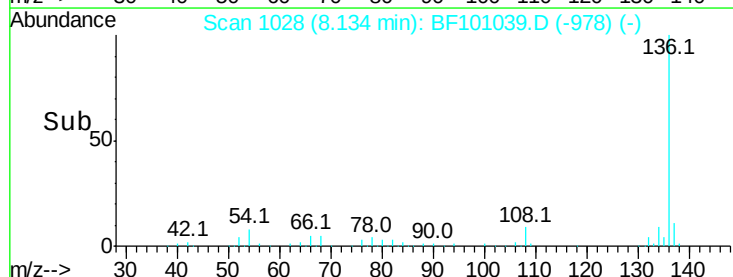
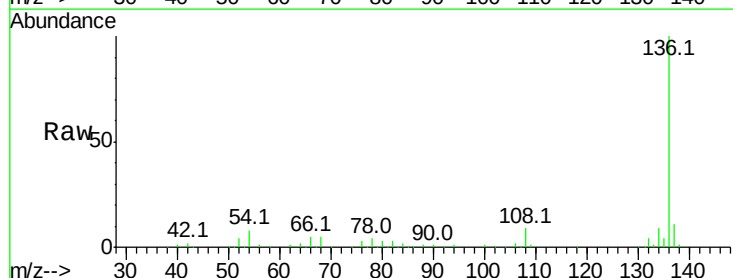
Ion Ratio Lower Upper

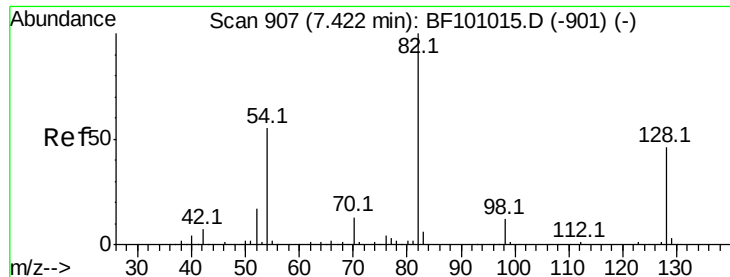
136 100

137 11.1 8.9 13.3

54 8.4 6.6 9.8

68 5.3 5.0 7.4

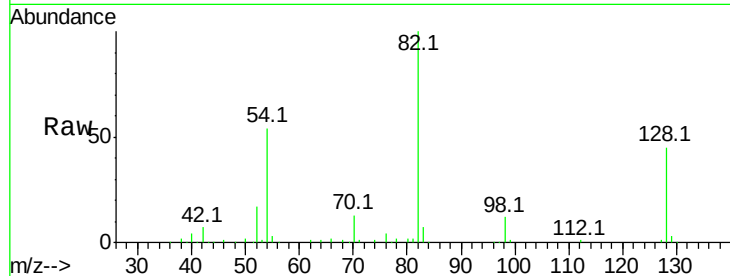




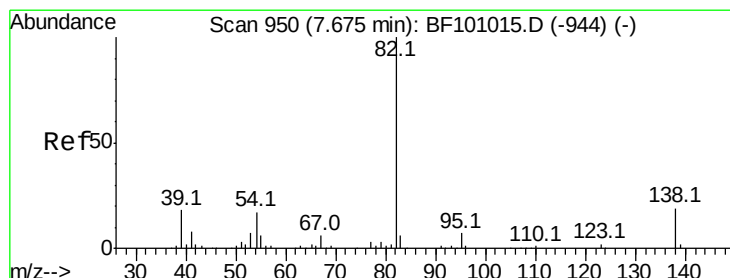
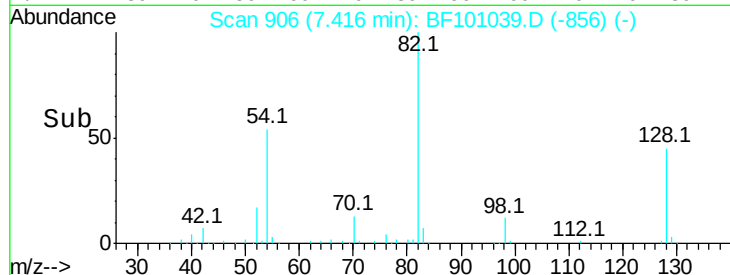
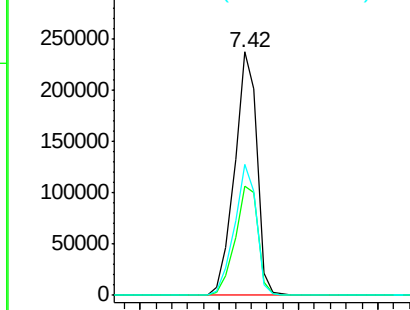
#23
Nitrobenzene-d5
Concen: 55.660 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Instrument :
BNA_F
ClientSampleID :

Tot Ion: 82 Resp: 230654
Ion Ratio Lower Upper
82 100
128 44.7 36.1 54.1
54 54.0 41.4 62.2

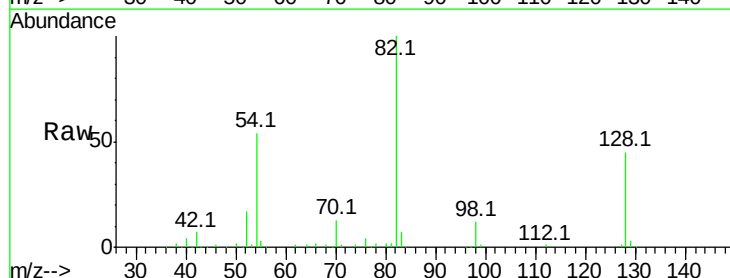


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

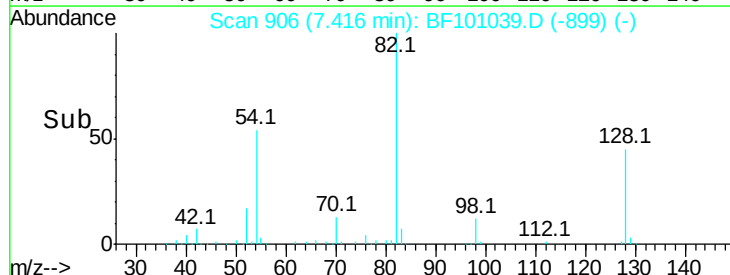
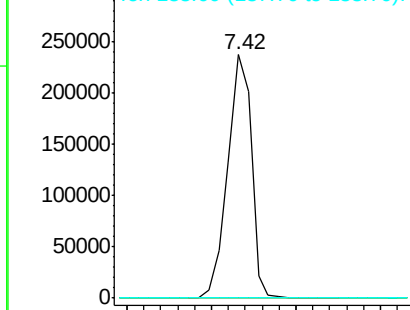


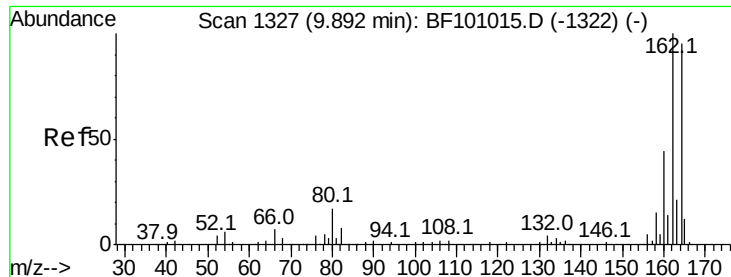
#25
Isophorone
Concen: 32.585 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion: 82 Resp: 230648
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

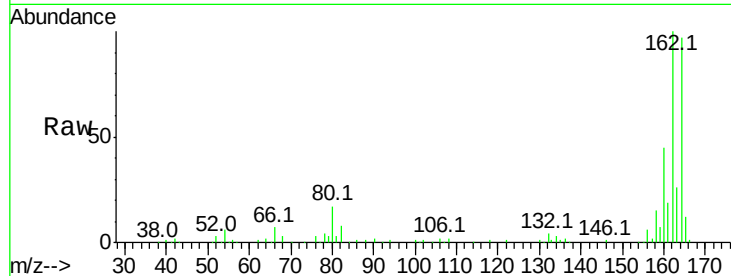




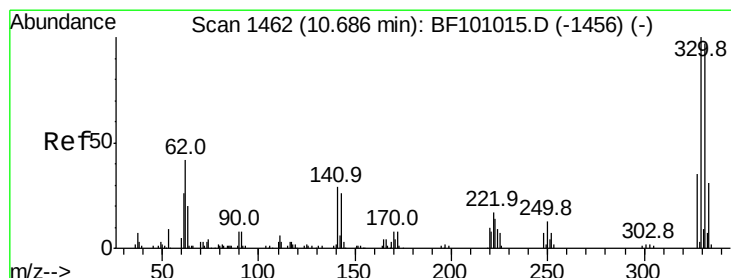
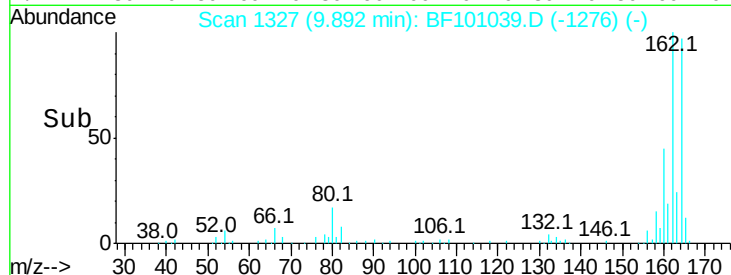
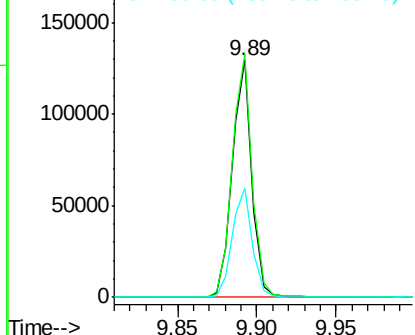
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 110016
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 46.3 38.3 57.5

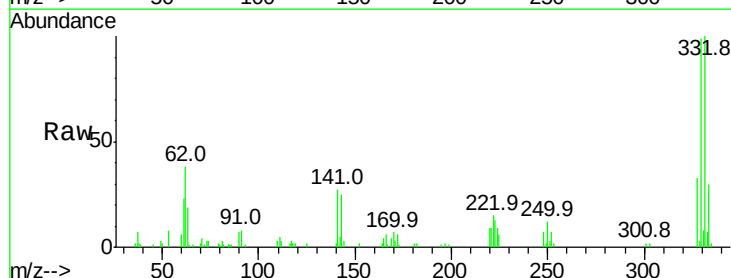


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

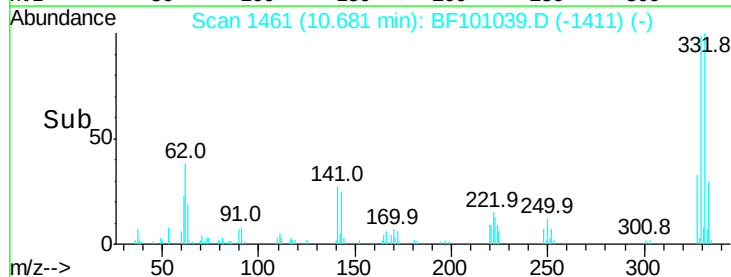
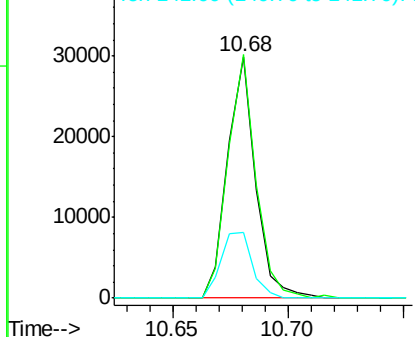


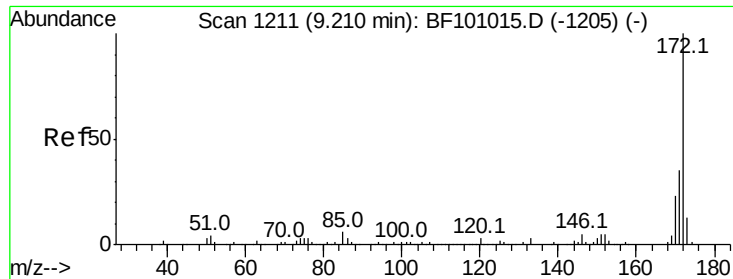
#41
2,4,6-Tribromophenol
Concen: 19.187 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion:330 Resp: 25357
Ion Ratio Lower Upper
330 100
332 100.3 77.0 115.6
141 30.2 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

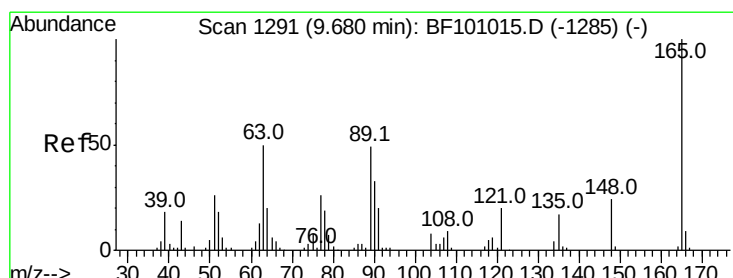
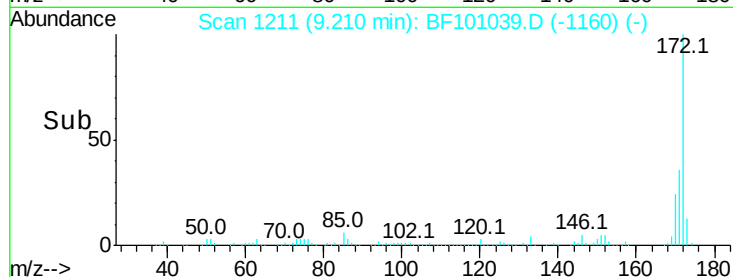
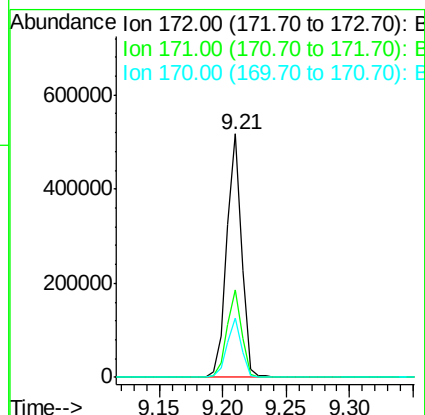
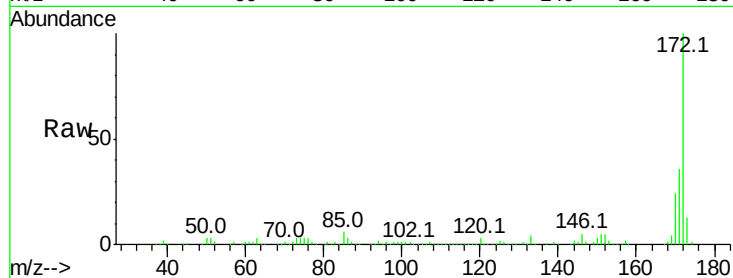




#44
 2-Fluorobiphenyl
 Concen: 52.773 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF101039.D
 Acq: 1 Dec 2017 1:06

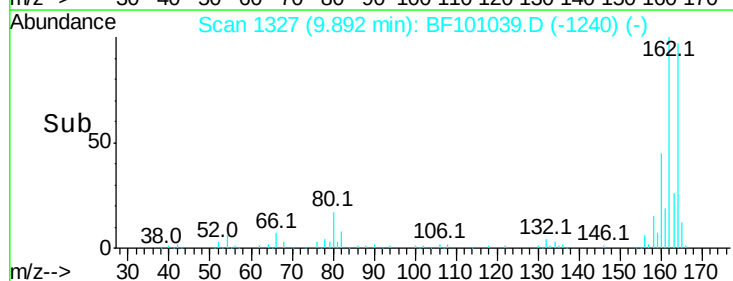
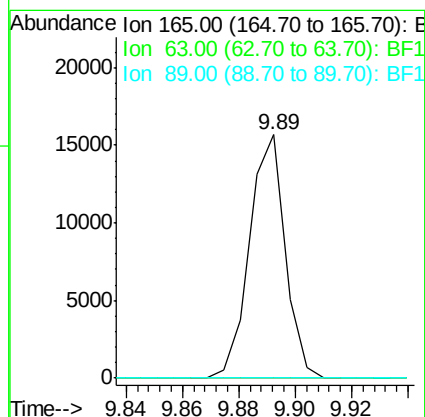
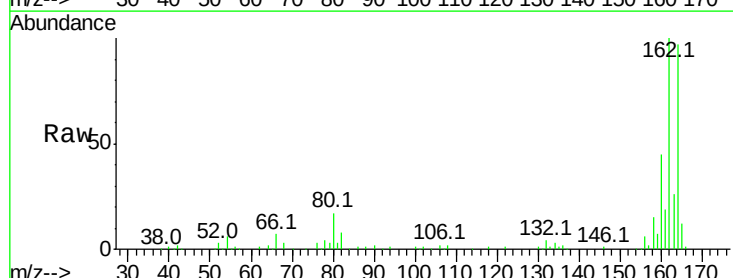
Instrument :
 BNA_F
 ClientSampleId :

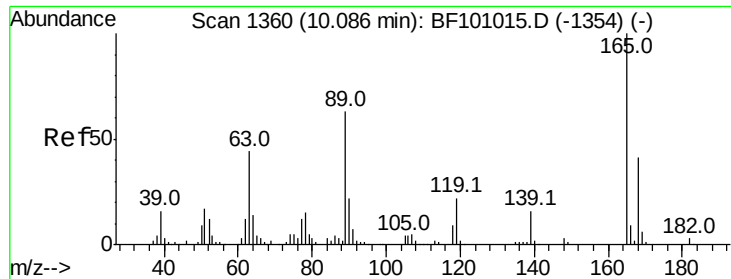
Tot Ion:172 Resp: 424347
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.2 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.340 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF101039.D
 Acq: 1 Dec 2017 1:06

Tgt Ion:165 Resp: 13716
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

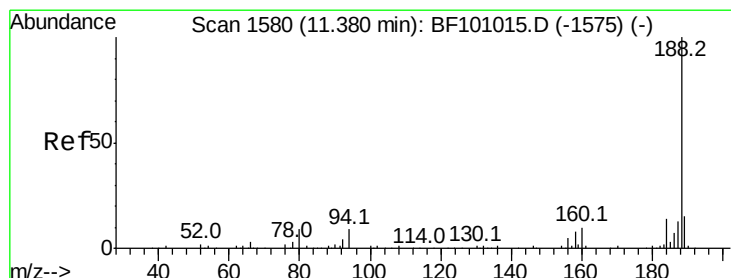
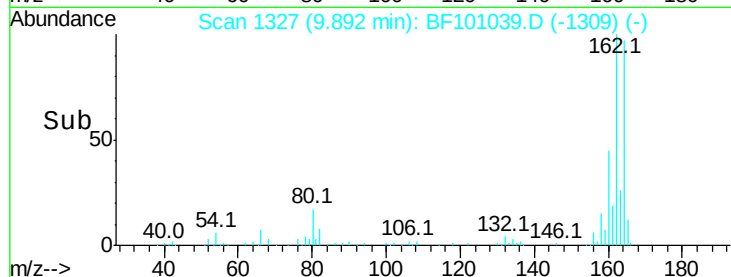
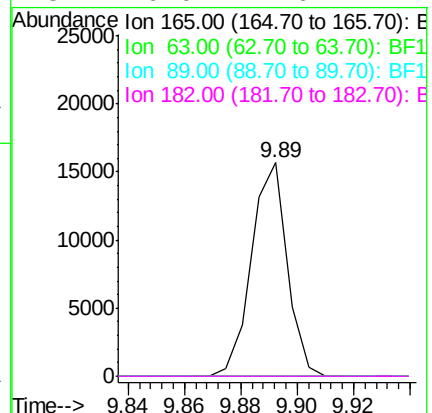
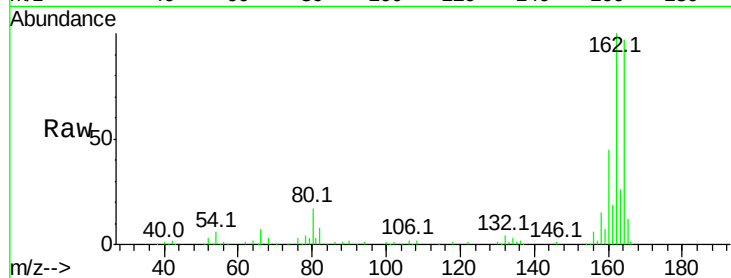




#56
 2,4-Dinitrotoluene
 Concen: 5.477 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF101039.D
 Acq: 1 Dec 2017 1:06

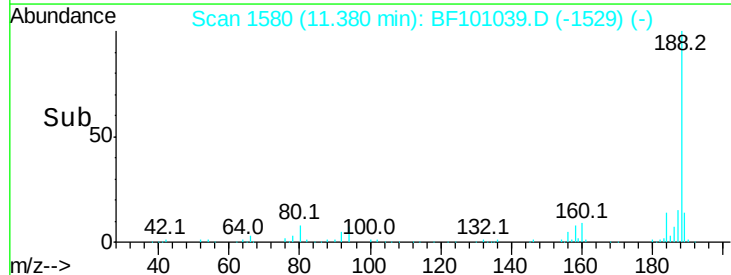
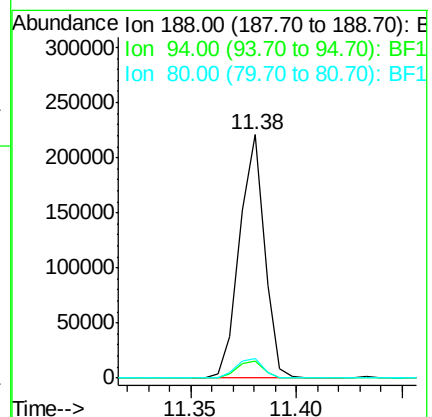
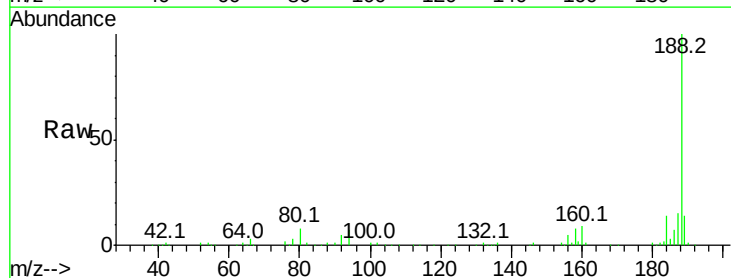
Instrument :
 BNA_F
 ClientSampleId :

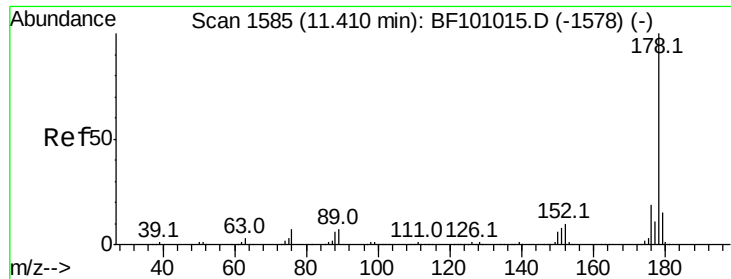
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF101039.D
 Acq: 1 Dec 2017 1:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.5	12.7#
80	8.3	9.2	13.8#





#70

Phenanthrene

Concen: 3.777 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

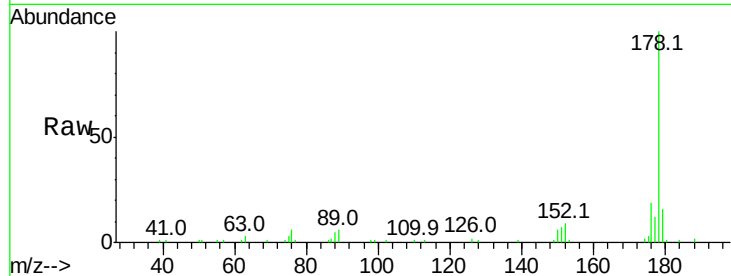
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 37514

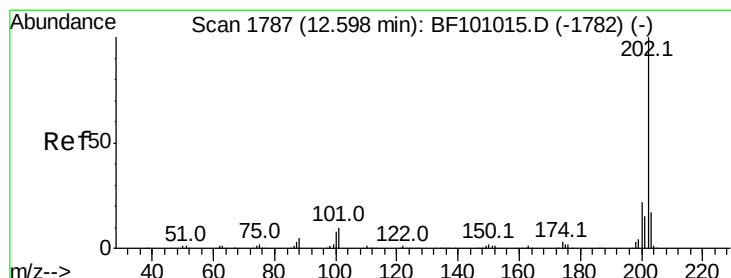
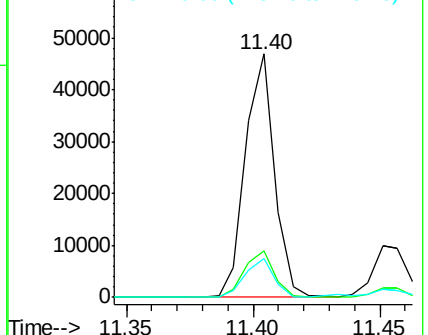
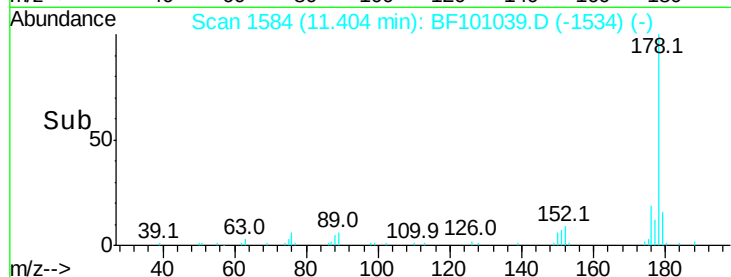
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.8	13.0	19.6



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



#74

Fluoranthene

Concen: 7.089 ng

RT: 12.59 min Scan# 1786

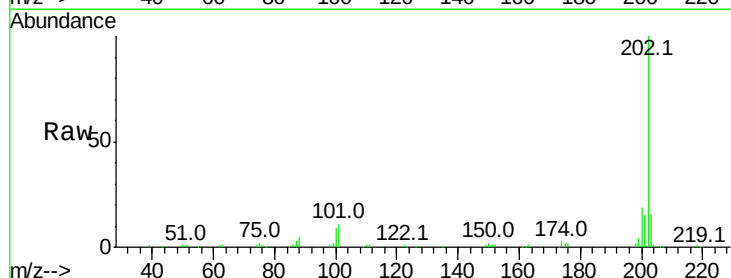
Delta R.T. -0.01 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

Tgt Ion:202 Resp: 78055

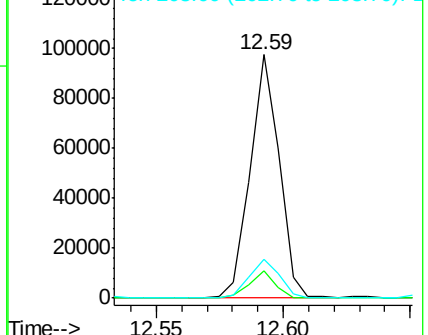
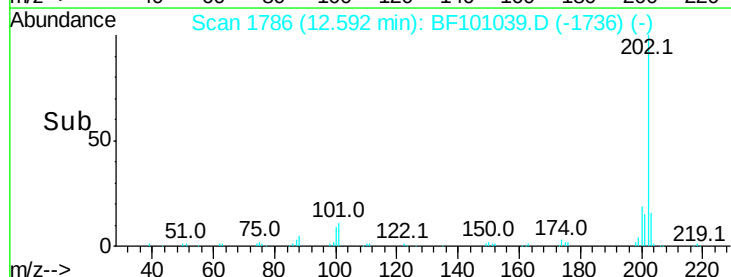
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	16.2	0.0	38.1

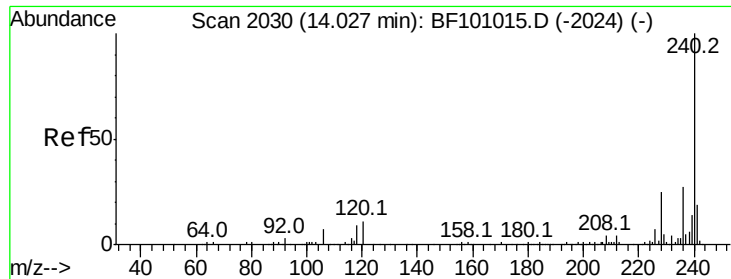


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

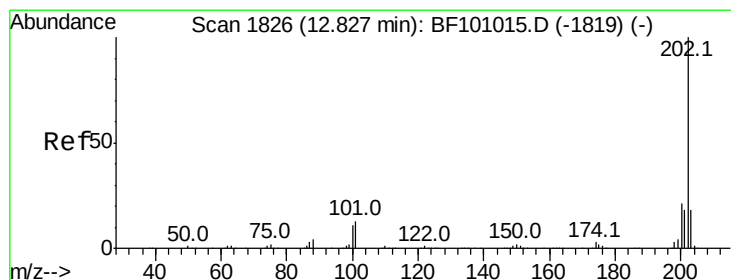
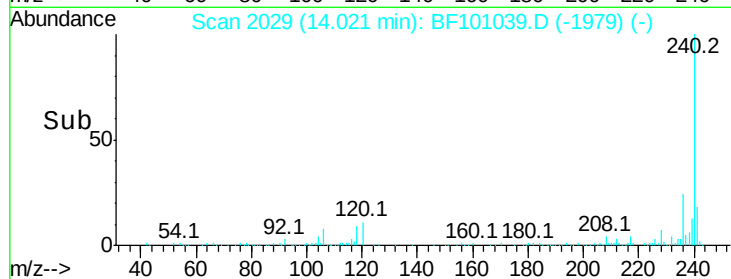
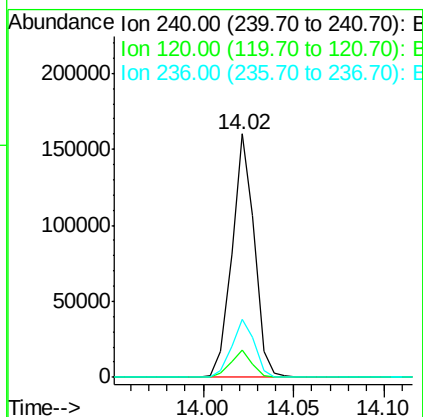
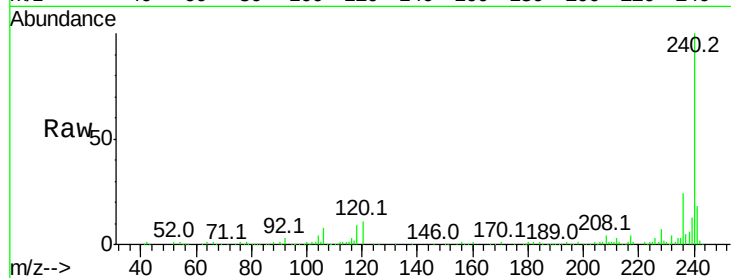




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF101039.D
 Acq: 1 Dec 2017 1:06

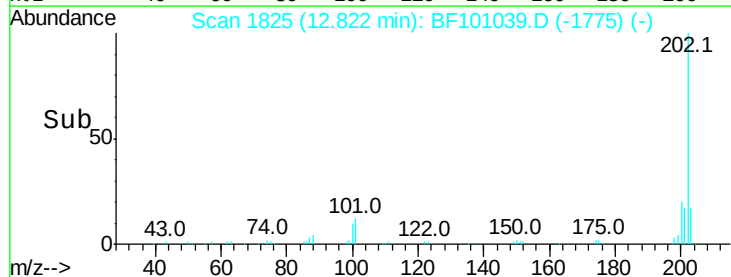
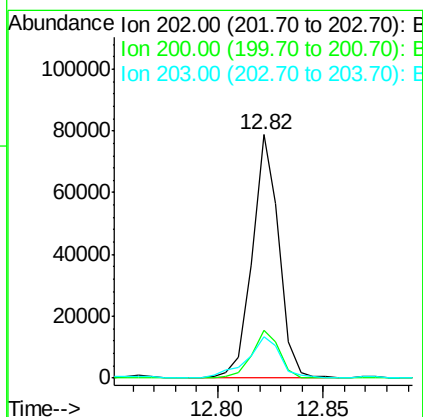
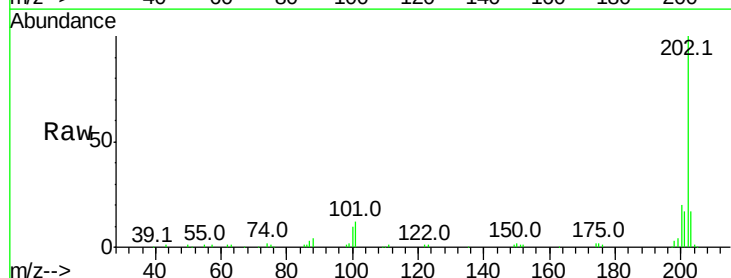
Instrument :
 BNA_F
 ClientSampleId :

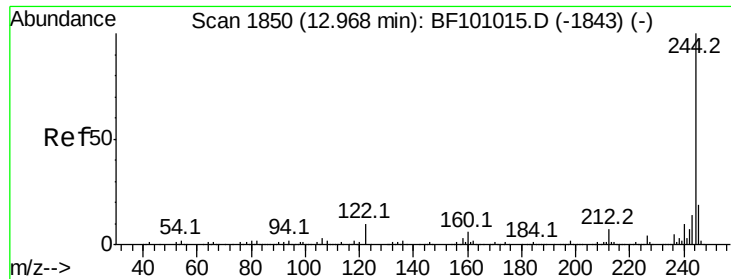
Tot Ion:240 Resp: 136732
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.5 14.3
 236 24.1 20.7 31.1



#77
 Pyrene
 Concen: 7.313 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF101039.D
 Acq: 1 Dec 2017 1:06

Tgt Ion:202 Resp: 69000
 Ion Ratio Lower Upper
 202 100
 200 19.8 17.4 26.2
 203 17.2 14.3 21.5

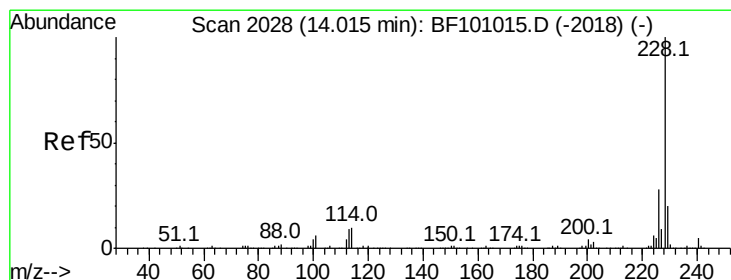
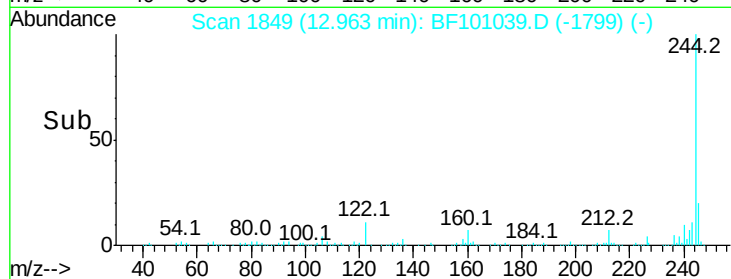
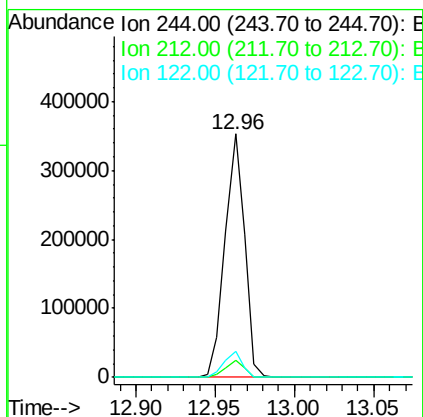
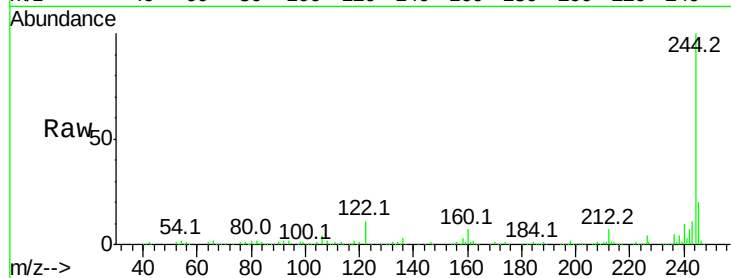




#78
 Terphenyl-d14
 Concen: 48.528 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF101039.D
 Acq: 1 Dec 2017 1:06

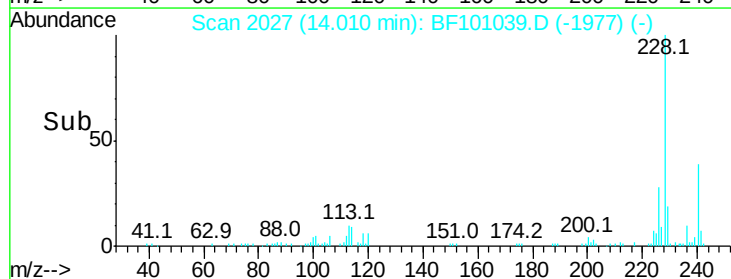
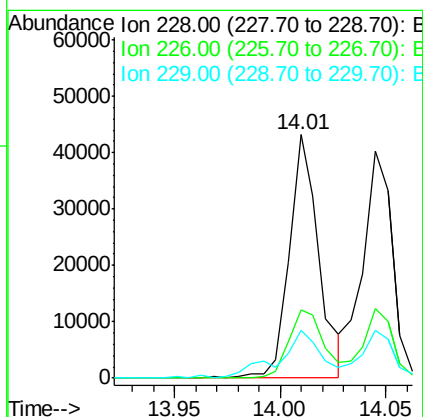
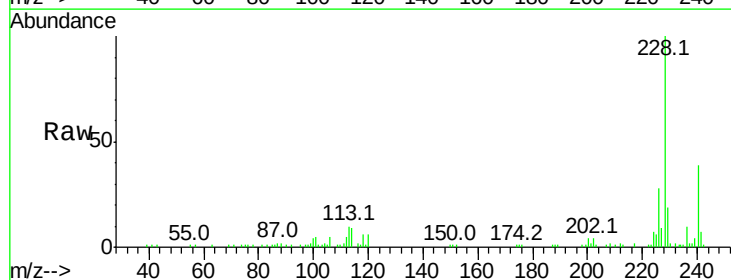
Instrument :
 BNA_F
 ClientSampled :

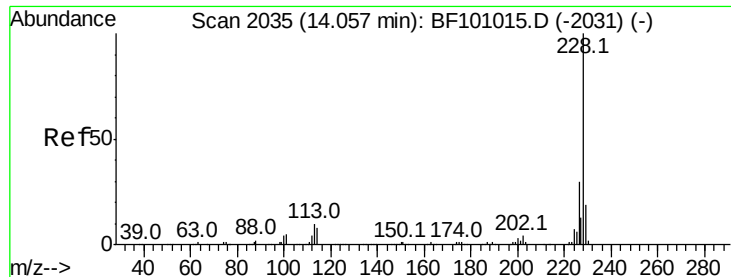
Tot Ion:244 Resp: 303361
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.8 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 4.911 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF101039.D
 Acq: 1 Dec 2017 1:06

Tgt Ion:228 Resp: 42398
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 33.8
 229 19.4 15.8 23.6

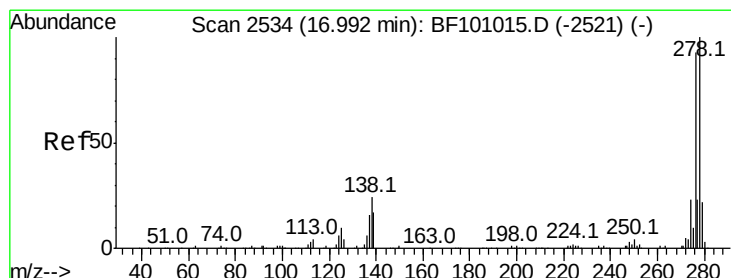
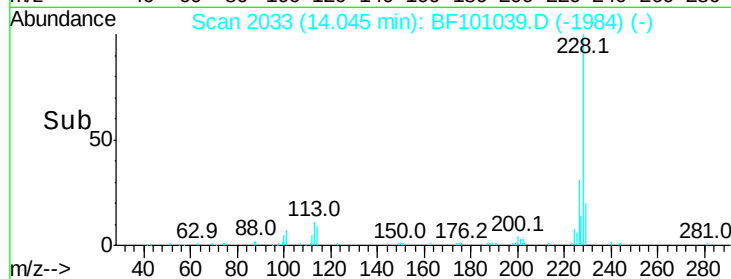
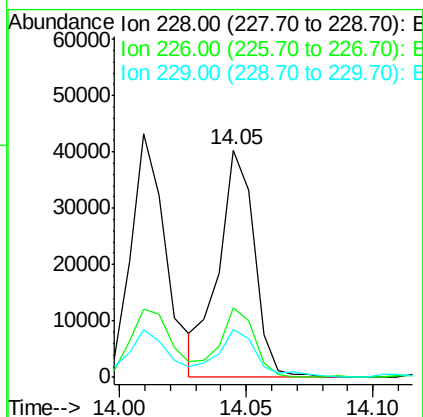
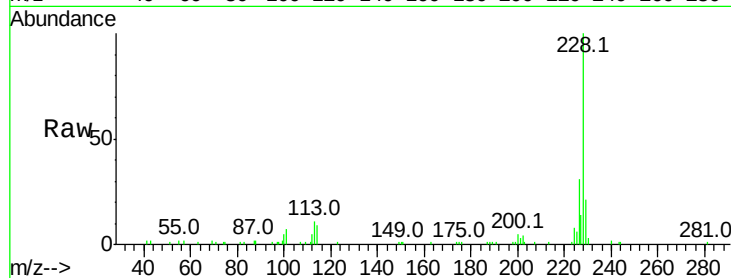




#82
Chrysene
Concen: 4.945 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

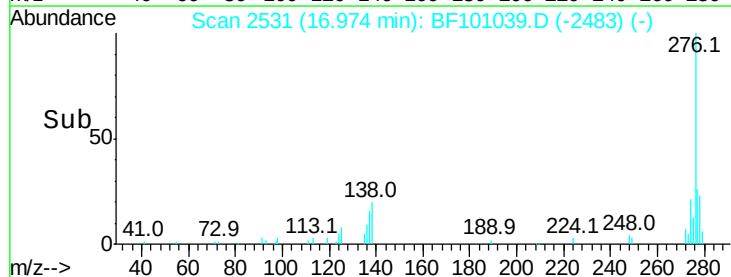
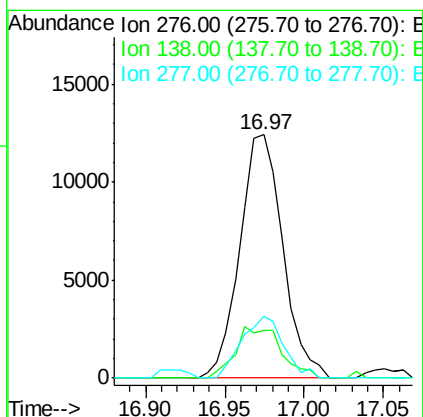
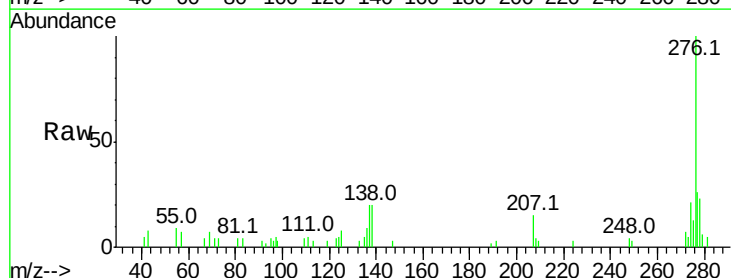
Instrument :
BNA_F
ClientSampleId :

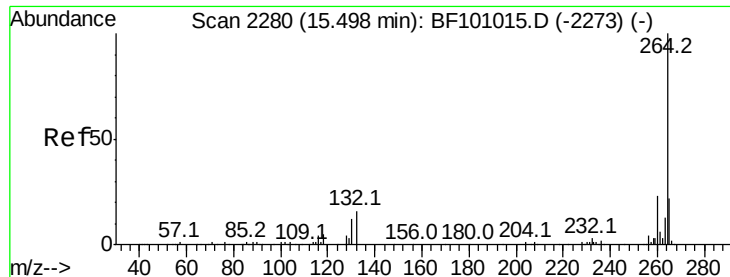
Tot Ion:228 Resp: 39651
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 20.9 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.288 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion:276 Resp: 23437
Ion Ratio Lower Upper
276 100
138 22.5 25.0 37.6#
277 24.9 20.1 30.1

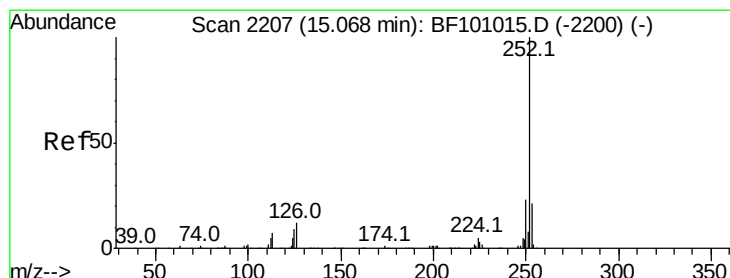
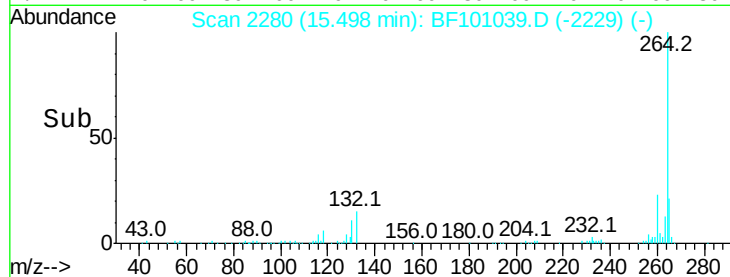
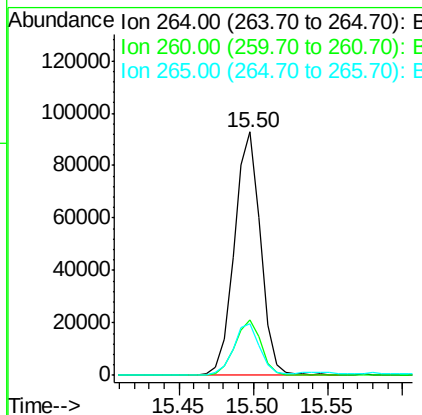
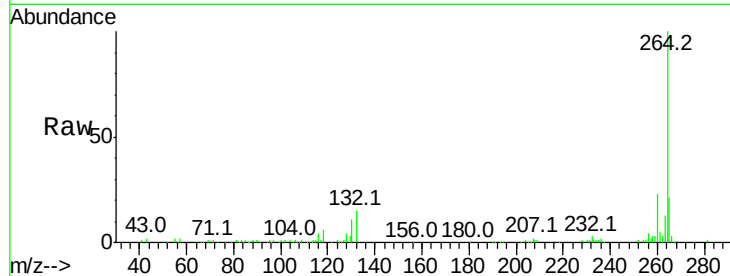




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

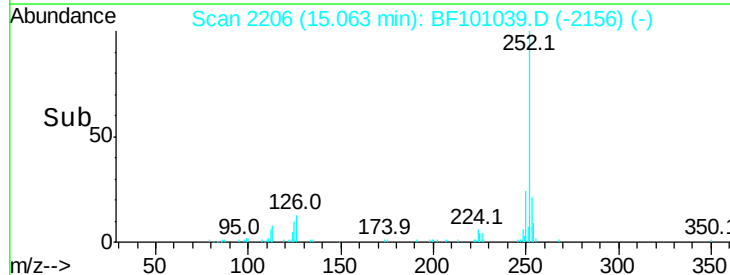
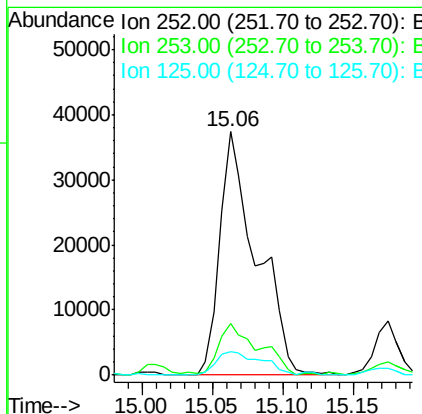
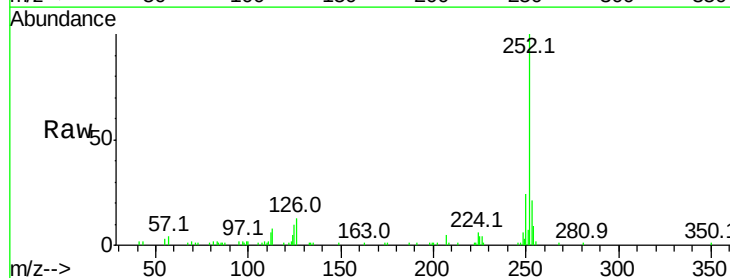
Instrument :
BNA_F
ClientSampleId :

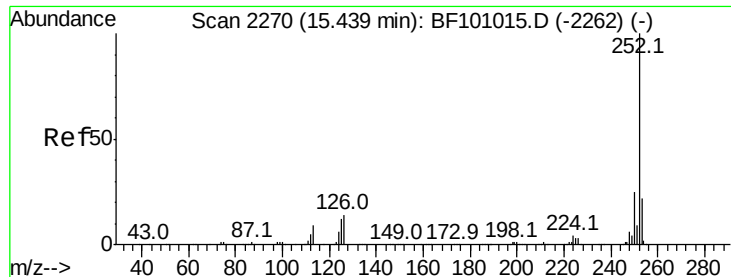
Tot Ion:264 Resp: 114144
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 10.000 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion:252 Resp: 68367
Ion Ratio Lower Upper
252 100
253 21.4 17.0 25.6
125 9.7 9.0 13.6

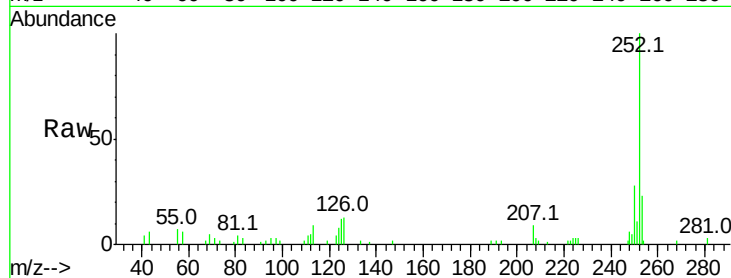




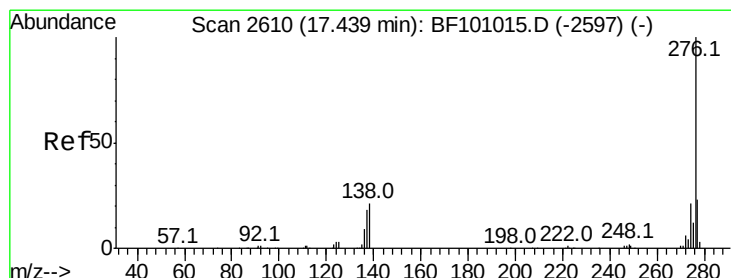
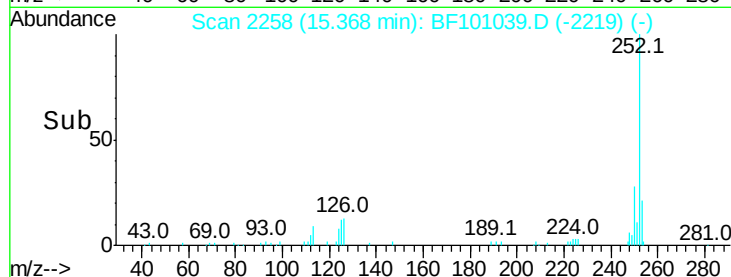
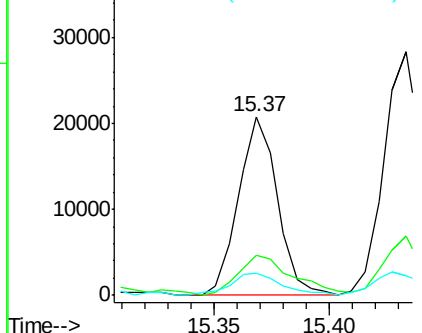
#89
Benzo(a)pyrene
Concen: 3.945 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.07 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 24521
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 12.4 9.8 14.6

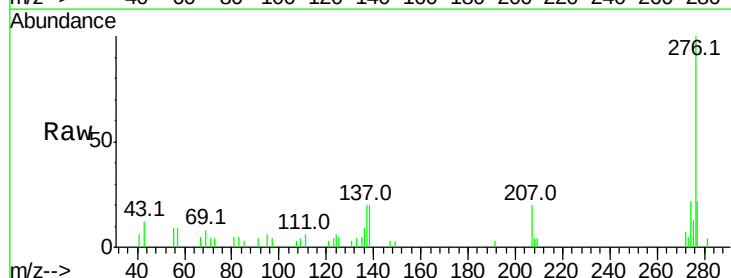


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.408 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.02 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion:276 Resp: 22764
Ion Ratio Lower Upper
276 100
277 22.2 17.9 26.9
138 20.3 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

