

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103229.D
 Acq On : 26 Feb 2018 20:38
 Operator : SJ/JU
 Sample : J1691-33 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 00:07:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

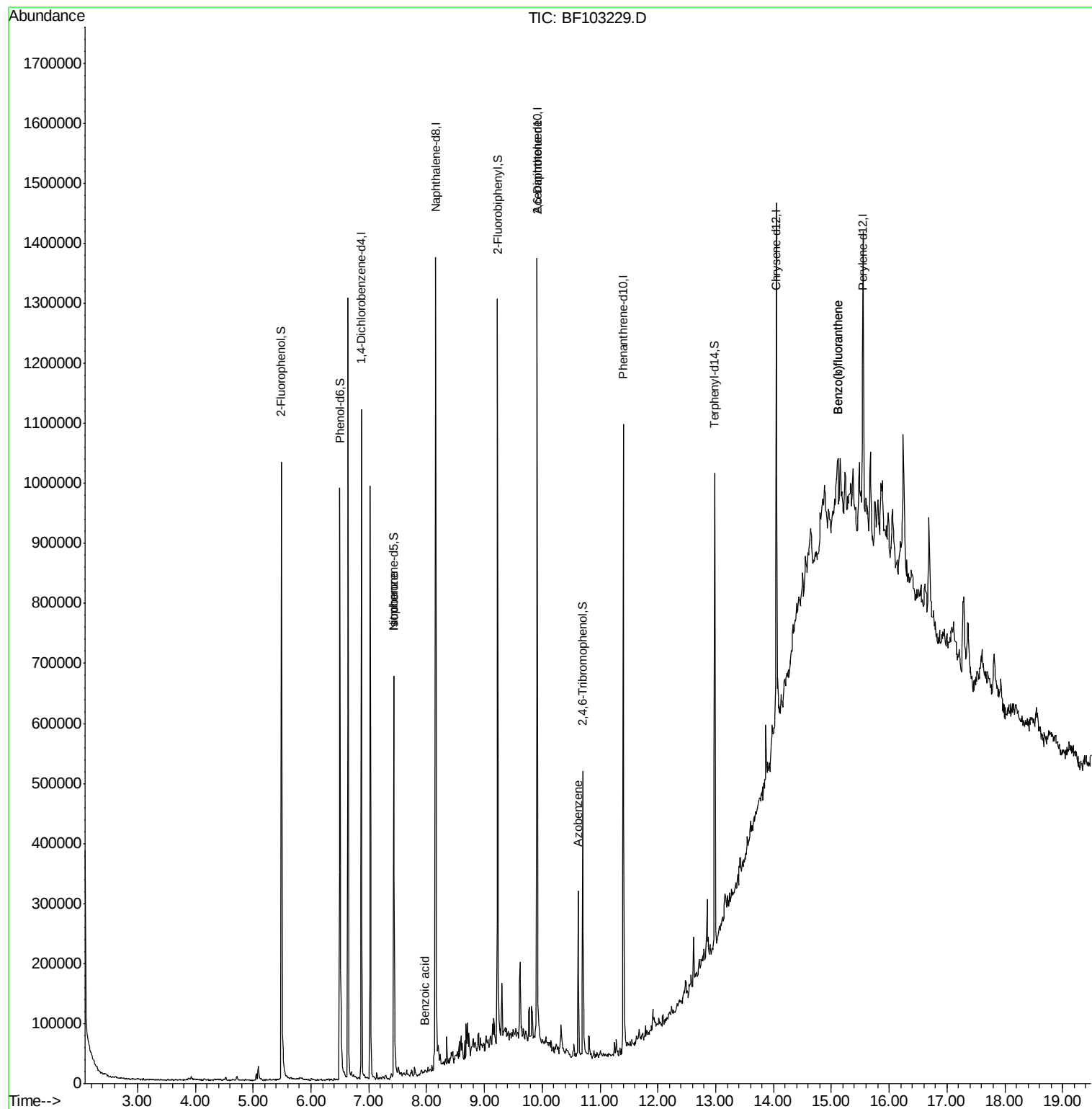
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	161092	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	648579	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	259585	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	386782	20.00	ng	0.00
75) Chrysene-d12	14.05	240	294137	20.00	ng	0.00
86) Perylene-d12	15.55	264	201541	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	318897	29.94	ng	0.00
7) Phenol-d6	6.50	99	376305	28.87	ng	0.00
23) Nitrobenzene-d5	7.43	82	211968	18.66	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	52186	23.75	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	378836	19.67	ng	0.00
78) Terphenyl-d14	12.99	244	269539	22.03	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	497	Below Cal	#	1
25) Isophorone	7.43	82	211963	9.48 ng	#	64
32) Benzoic acid	7.97	122	110	6.93 ng	#	32
50) 2,6-Dinitrotoluene	9.91	165	36235	8.29 ng	#	26
62) Azobenzene	10.62	77	51218	2.53 ng	#	1
87) Benzo(b)fluoranthene	15.11	252	28701	2.17 ng	#	3
88) Benzo(k)fluoranthene	15.11	252	28701	2.30 ng	#	8

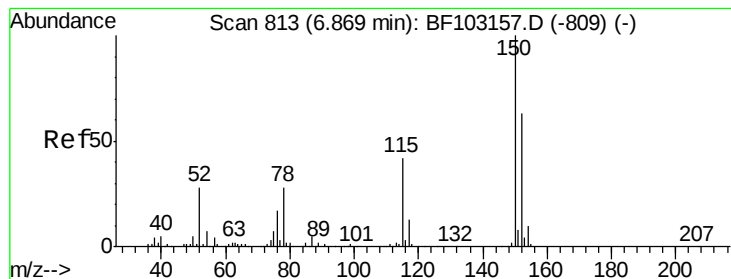
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF103229.D

Acq: 26 Feb 2018 20:38

Instrument :

BNA_F

ClientSampleId :

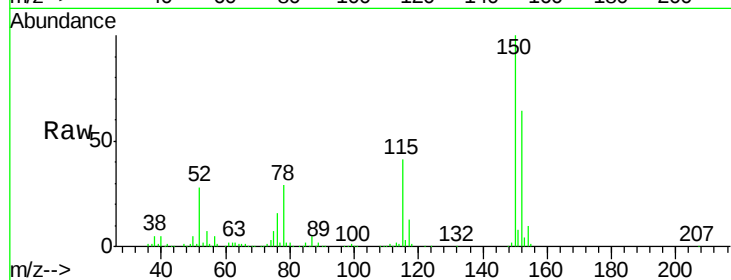
Tot Ion:152 Resp: 161092

Ion Ratio Lower Upper

152 100

150 156.5 124.6 186.8

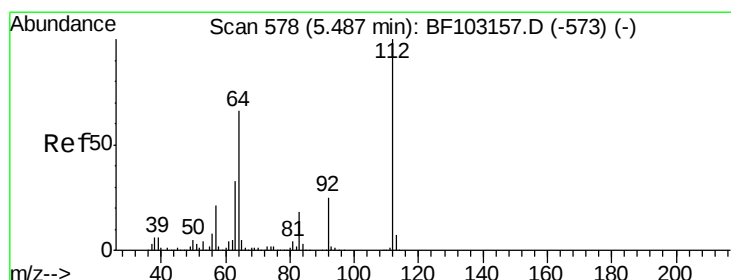
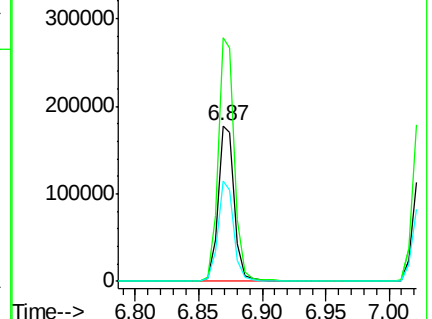
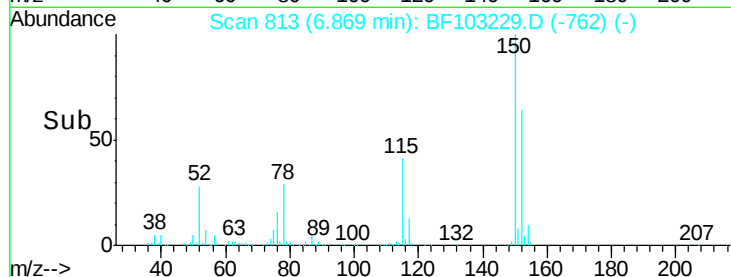
115 64.4 50.1 75.1



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: 29.94 ng

RT: 5.49 min Scan# 578

Delta R.T. -0.00 min

Lab File: BF103229.D

Acq: 26 Feb 2018 20:38

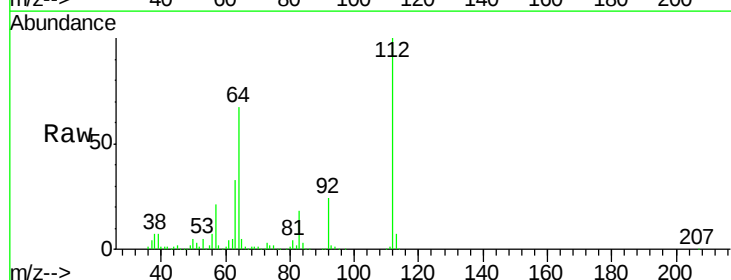
Tgt Ion:112 Resp: 318897

Ion Ratio Lower Upper

112 100

64 67.1 47.9 71.9

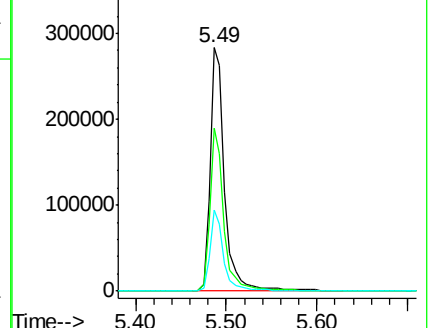
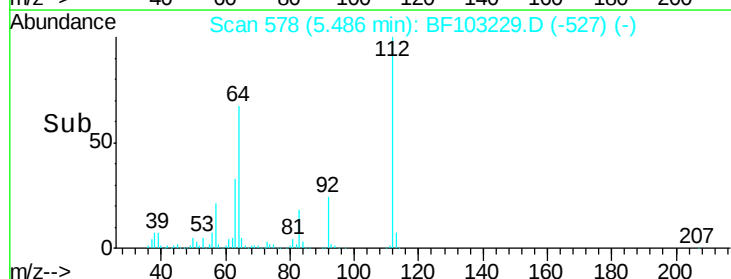
63 33.2 23.7 35.5

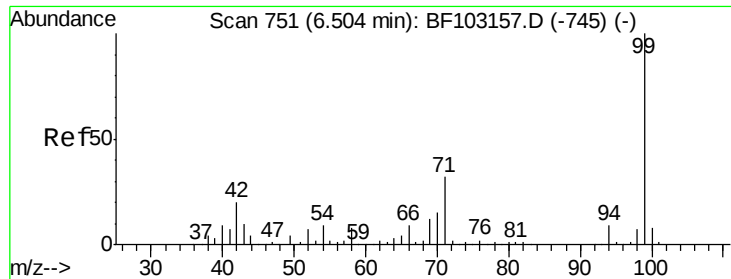


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 28.87 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103229.D

Acq: 26 Feb 2018 20:38

Instrument :

BNA_F

ClientSampleId :

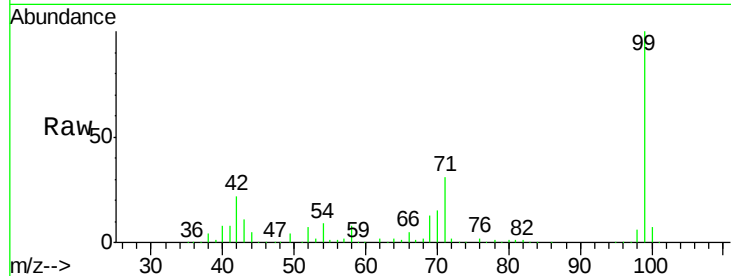
Tot Ion: 99 Resp: 376305

Ion Ratio Lower Upper

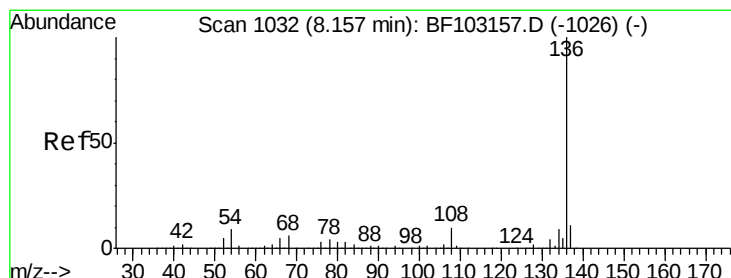
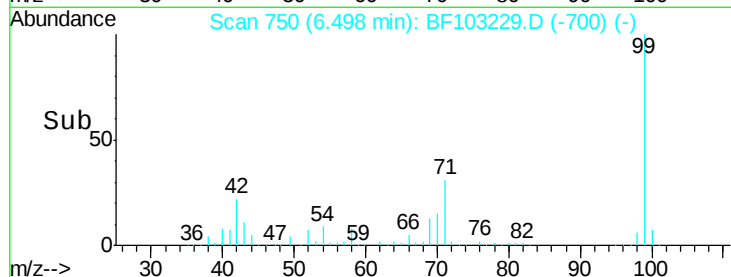
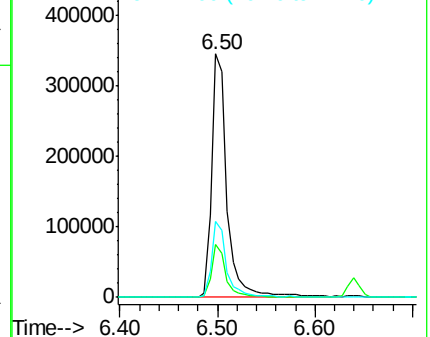
99 100

42 21.6 14.5 21.7

71 31.0 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103229.D

Acq: 26 Feb 2018 20:38

Tgt Ion: 136 Resp: 648579

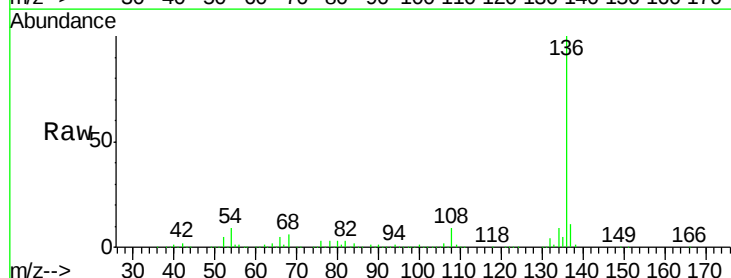
Ion Ratio Lower Upper

136 100

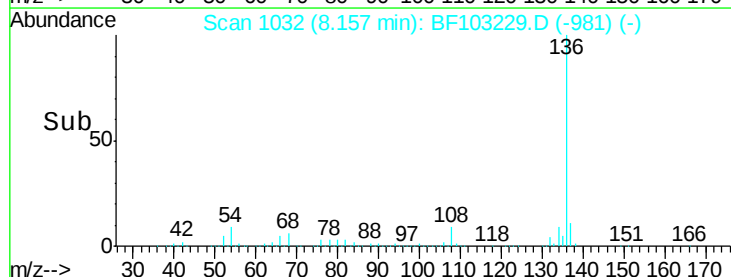
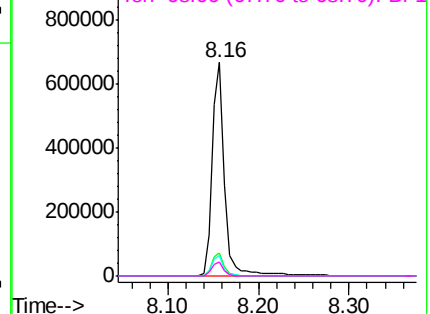
137 10.8 8.9 13.3

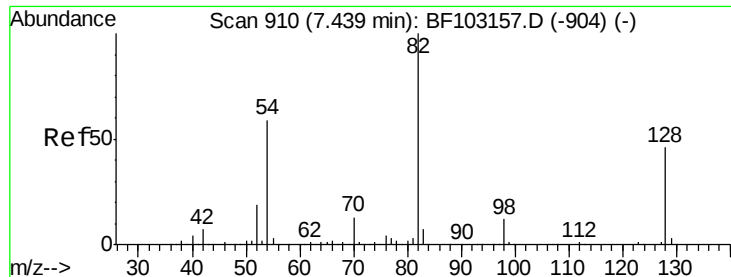
54 9.4 6.6 9.8

68 6.5 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

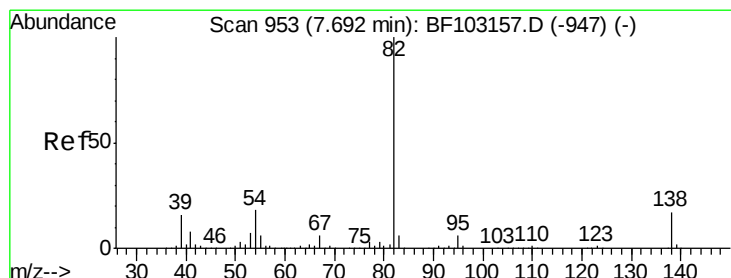
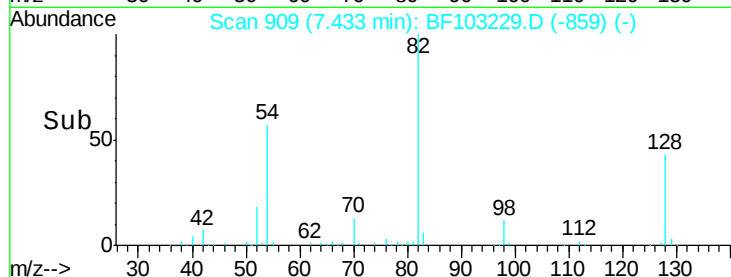
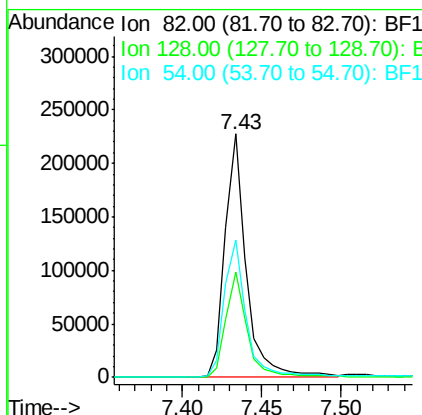
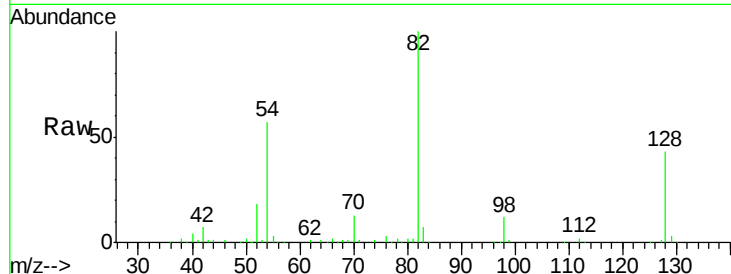




#23
Nitrobenzene-d5
Concen: 18.66 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103229.D
Acq: 26 Feb 2018 20:38

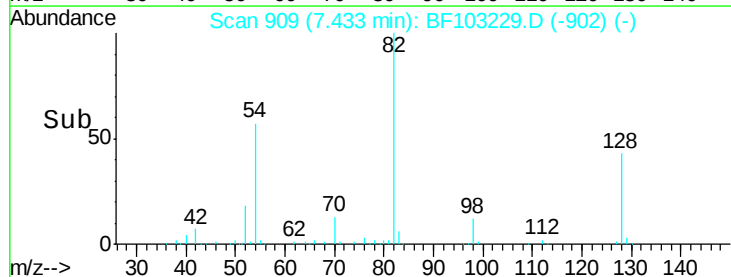
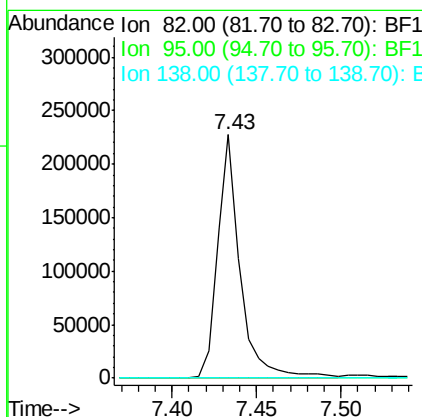
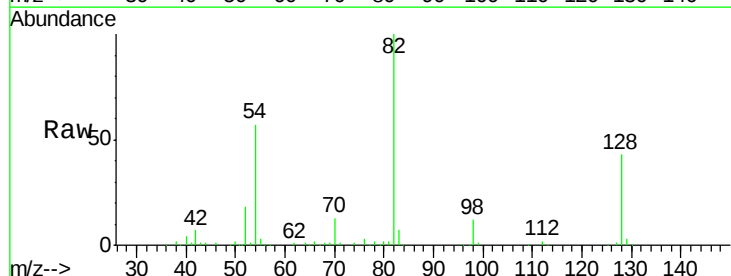
Instrument :
BNA_F
ClientSampleId :

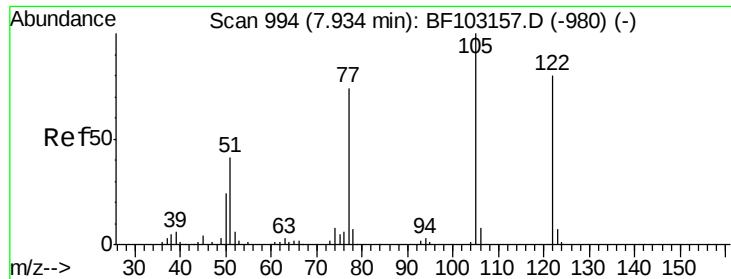
Tot Ion	82	Resp	211968
Ion Ratio	Lower	Upper	
82	100		
128	43.3	36.1	54.1
54	56.5	41.4	62.2



#25
Isophorone
Concen: 9.48 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF103229.D
Acq: 26 Feb 2018 20:38

Tgt Ion	82	Resp	211963
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#32

Benzoic acid

Concen: 6.93 ng

RT: 7.97 min Scan# 1000

Delta R.T. 0.04 min

Lab File: BF103229.D

Acq: 26 Feb 2018 20:38

Instrument :

BNA_F

ClientSampleId :

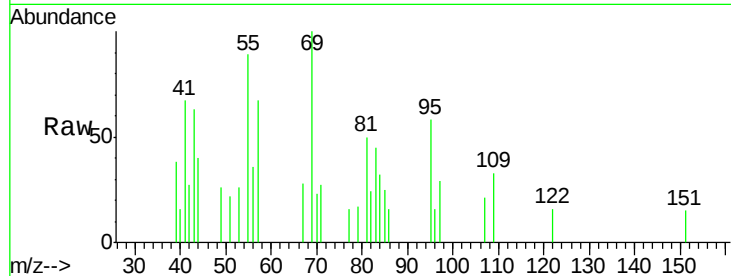
Tot Ion:122 Resp: 110

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

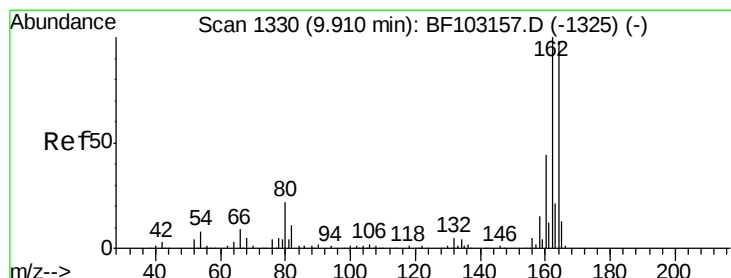
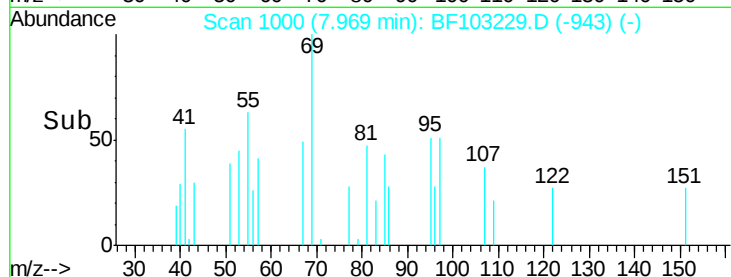
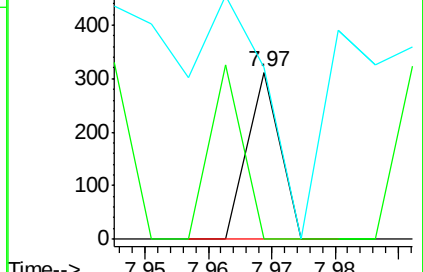
77 103.2 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF103229.D

Acq: 26 Feb 2018 20:38

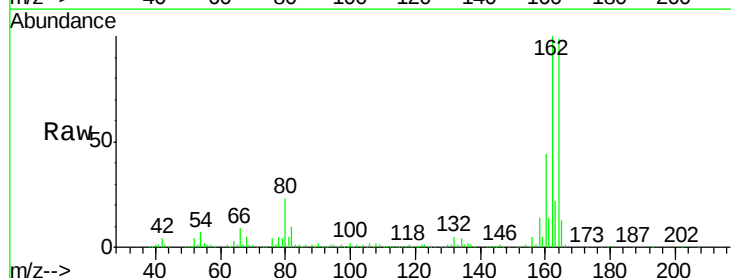
Tgt Ion:164 Resp: 259585

Ion Ratio Lower Upper

164 100

162 100.6 86.1 129.1

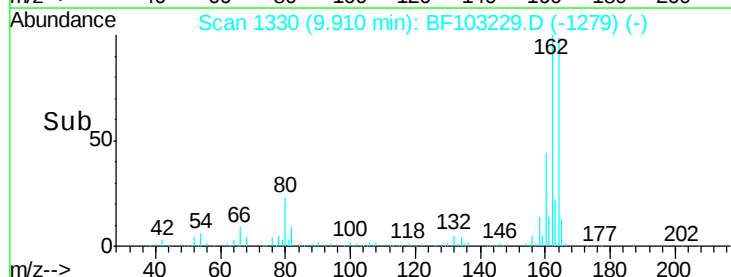
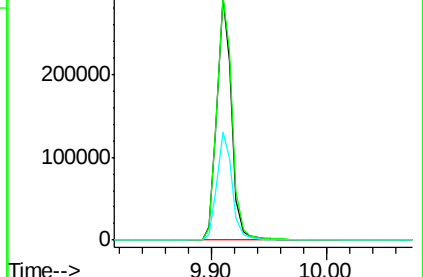
160 44.5 38.3 57.5



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

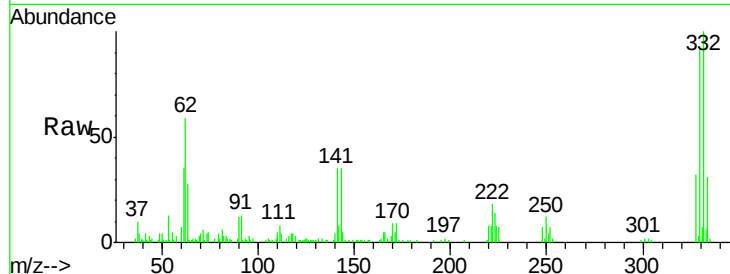




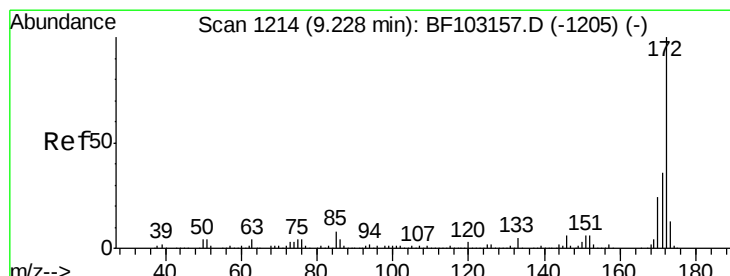
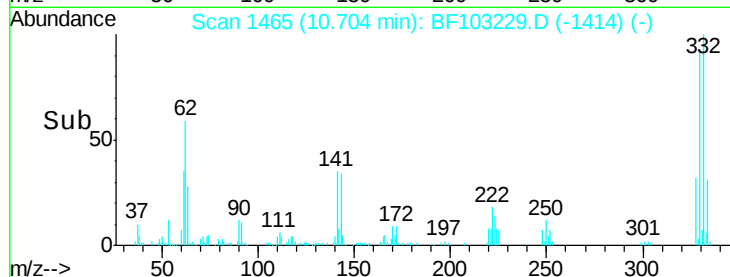
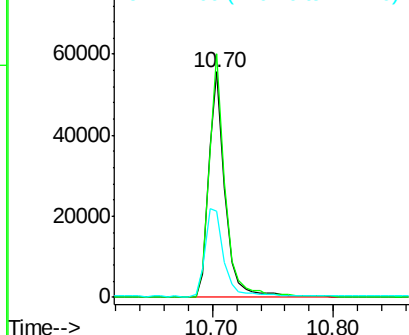
#41
 2,4,6-Tribromophenol
 Concen: 23.75 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103229.D
 Acq: 26 Feb 2018 20:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	105.3	77.0	115.6
141	47.6	29.9	44.9

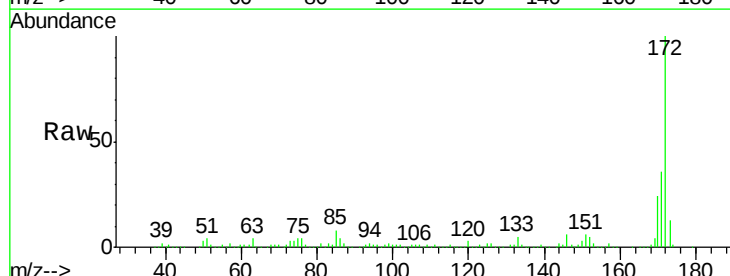


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

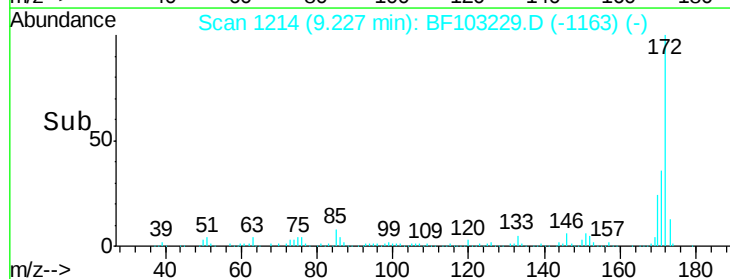
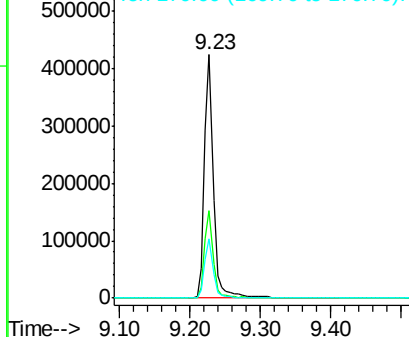


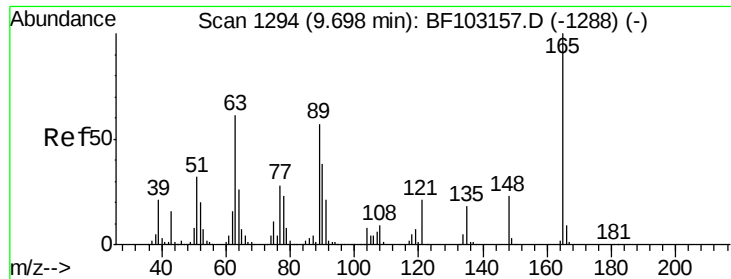
#44
 2-Fluorobiphenyl
 Concen: 19.67 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103229.D
 Acq: 26 Feb 2018 20:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.4	19.6	29.4



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

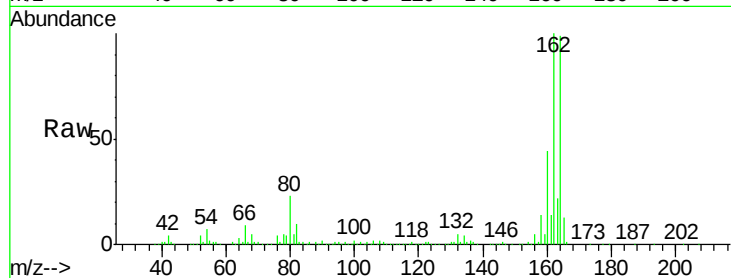




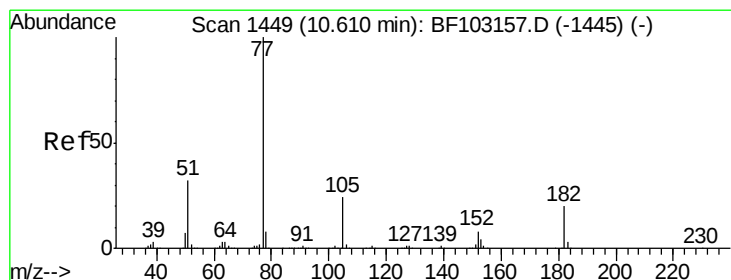
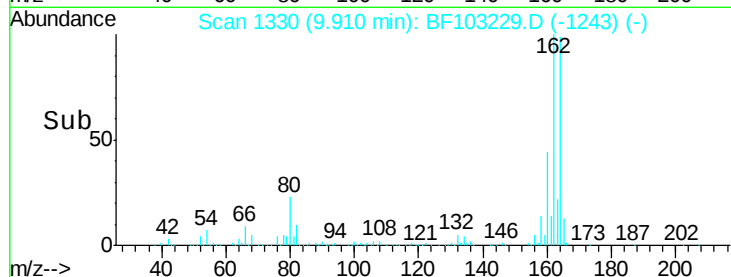
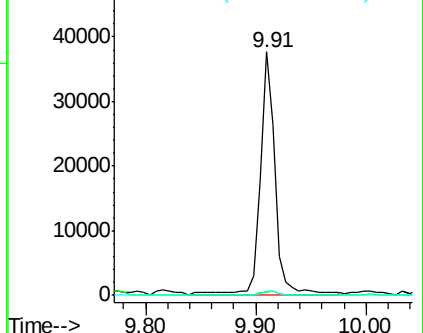
#50
2,6-Dinitrotoluene
Concen: 8.29 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103229.D
Acq: 26 Feb 2018 20:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 36235
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.7 44.0 66.0#



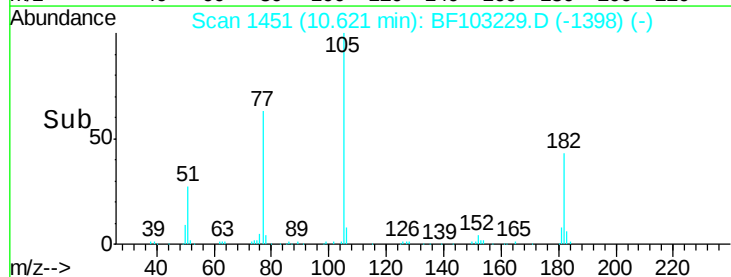
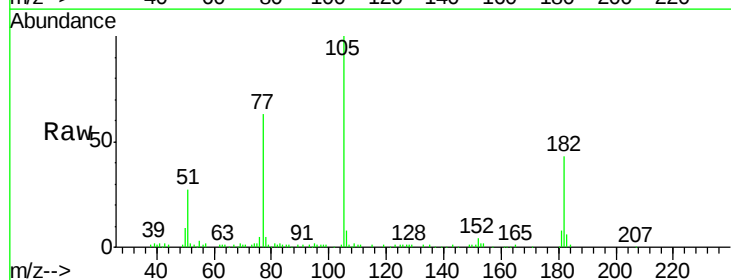
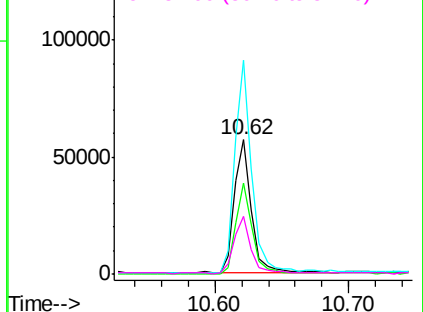
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

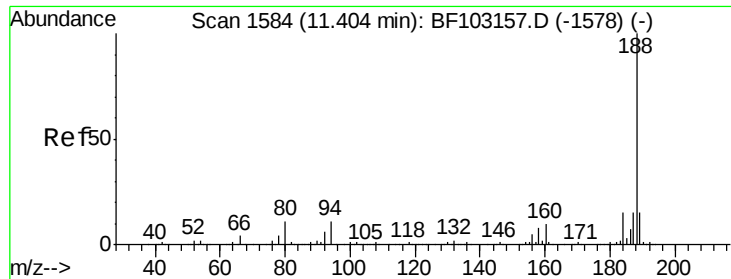


#62
Azobenzene
Concen: 2.53 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BF103229.D
Acq: 26 Feb 2018 20:38

Tgt Ion: 77 Resp: 51218
Ion Ratio Lower Upper
77 100
182 68.1 1.7 41.7#
105 159.0 3.0 43.0#
51 42.6 9.9 49.9

Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

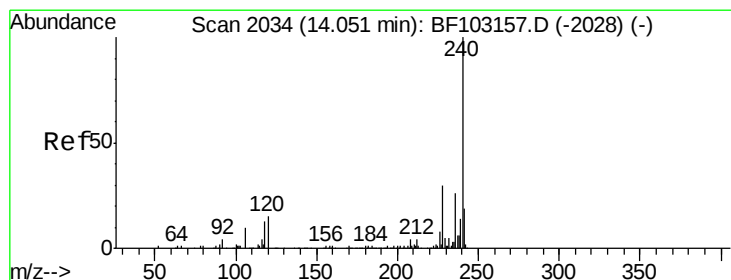
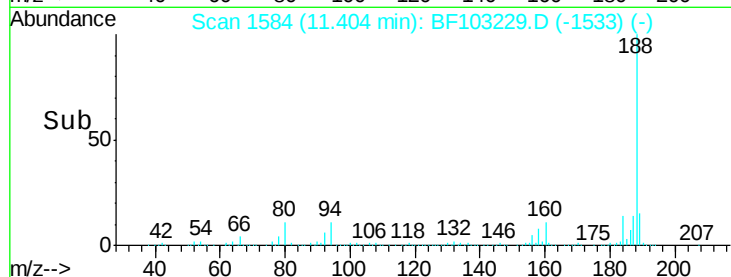
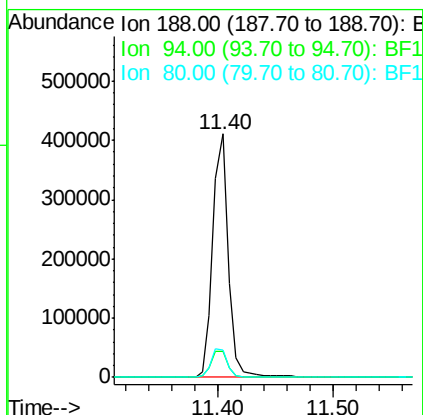
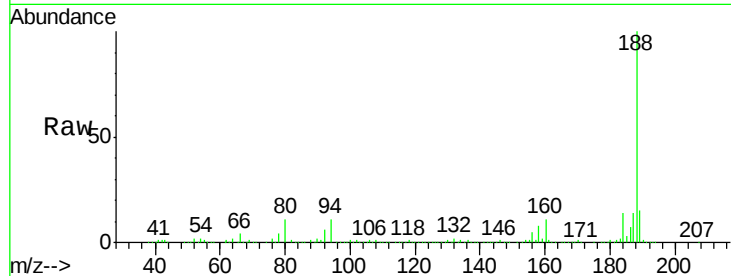




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103229.D
Acq: 26 Feb 2018 20:38

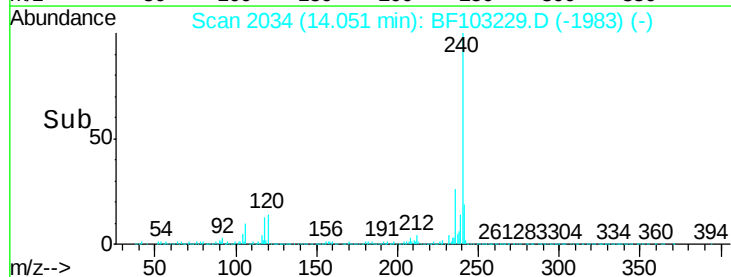
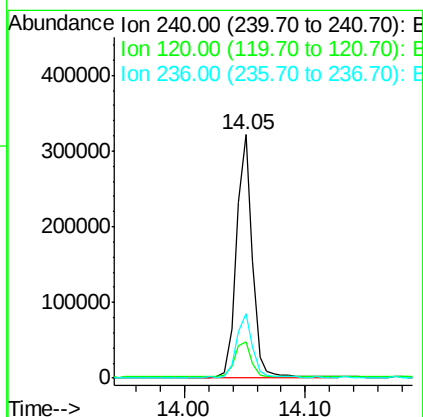
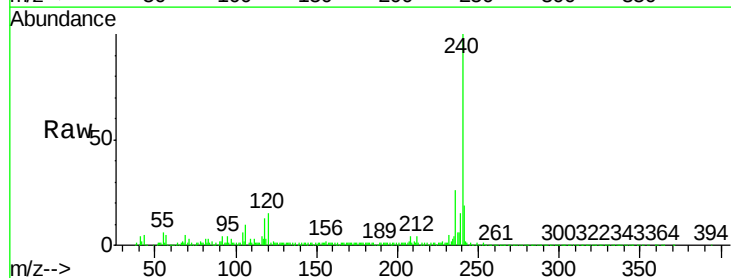
Instrument :
BNA_F
ClientSampled :

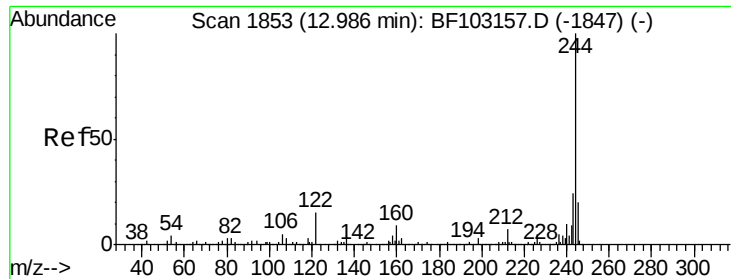
Tot Ion:188 Resp: 386782
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.2 9.2 13.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF103229.D
Acq: 26 Feb 2018 20:38

Tgt Ion:240 Resp: 294137
Ion Ratio Lower Upper
240 100
120 14.8 9.5 14.3#
236 26.3 20.7 31.1





#78

Terphenyl-d14

Concen: 22.03 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF103229.D

Acq: 26 Feb 2018 20:38

Instrument :

BNA_F

ClientSampleId :

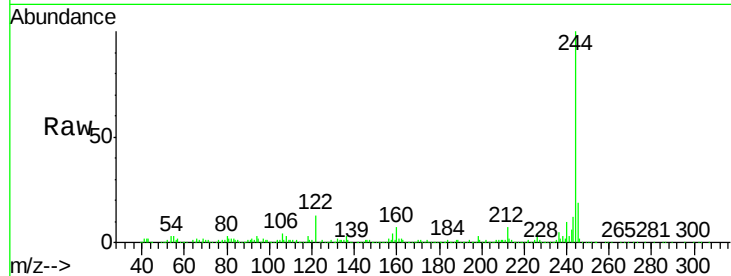
Tot Ion:244 Resp: 269539

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

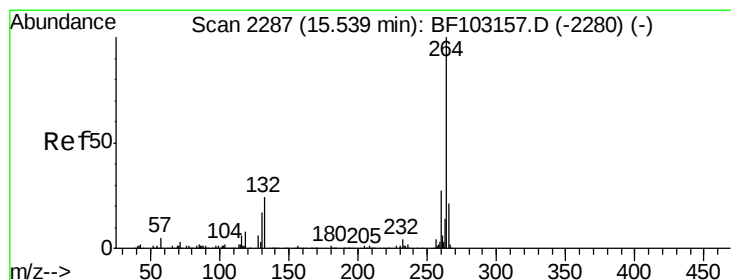
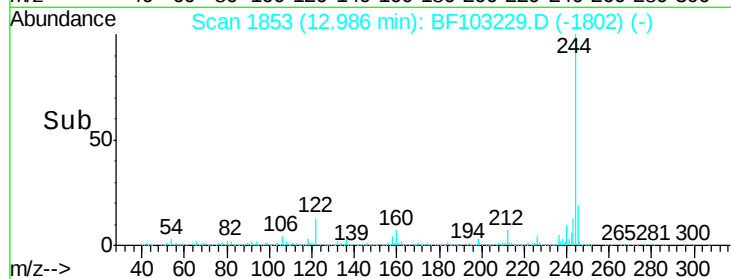
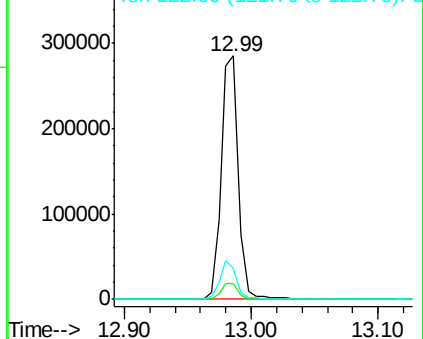
122 12.9 11.0 16.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.01 min

Lab File: BF103229.D

Acq: 26 Feb 2018 20:38

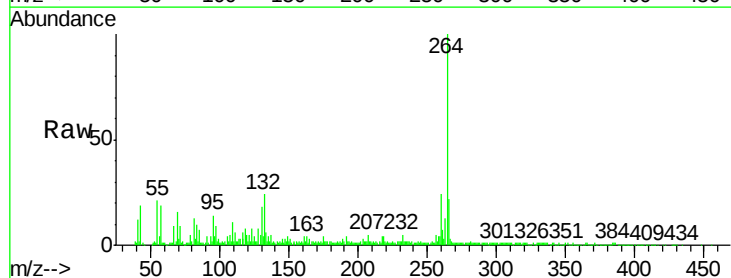
Tgt Ion:264 Resp: 201541

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

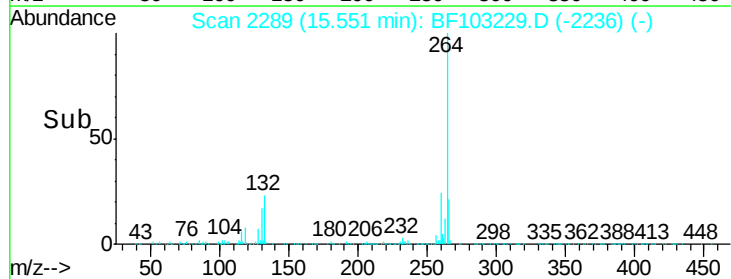
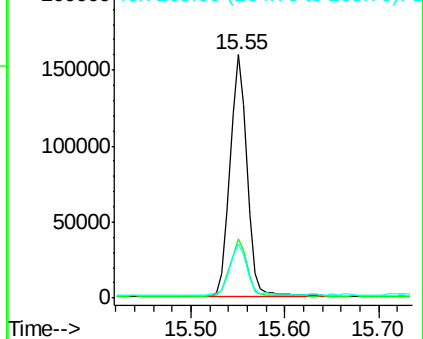
265 22.5 17.5 26.3

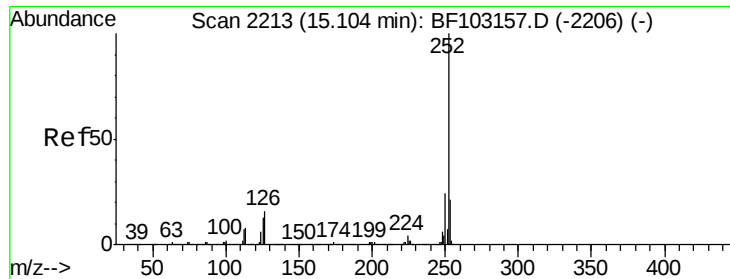


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

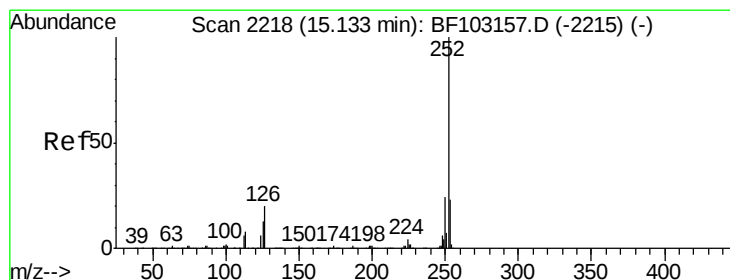
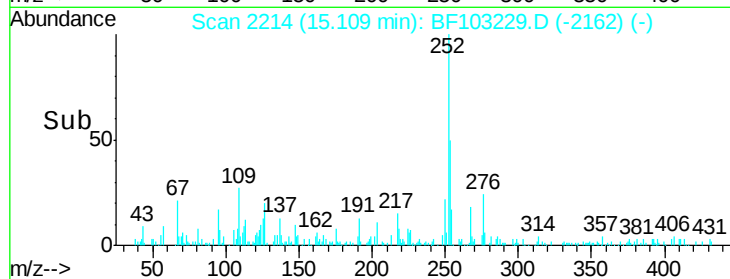
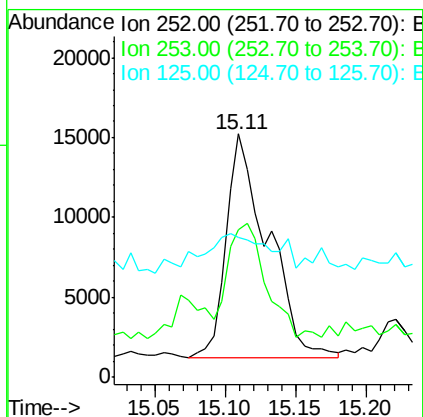
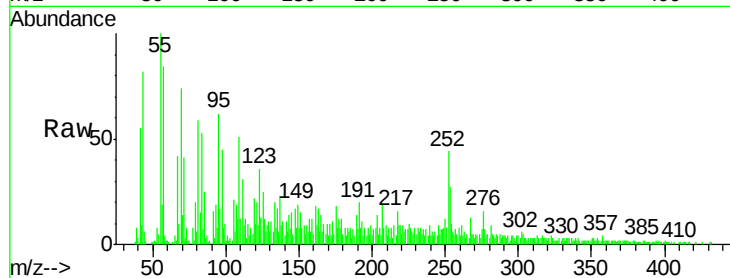




#87
Benzo(b)fluoranthene
Concen: 2.17 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF103229.D
Acq: 26 Feb 2018 20:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 28701
Ion Ratio Lower Upper
252 100
253 60.8 17.0 25.6#
125 57.6 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.30 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF103229.D
Acq: 26 Feb 2018 20:38

Tgt Ion:252 Resp: 28701
Ion Ratio Lower Upper
252 100
253 60.8 17.9 26.9#
125 57.6 10.2 15.2#

