

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103234.D
 Acq On : 26 Feb 2018 22:50
 Operator : SJ/JU
 Sample : J1691-49 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 00:09:01 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

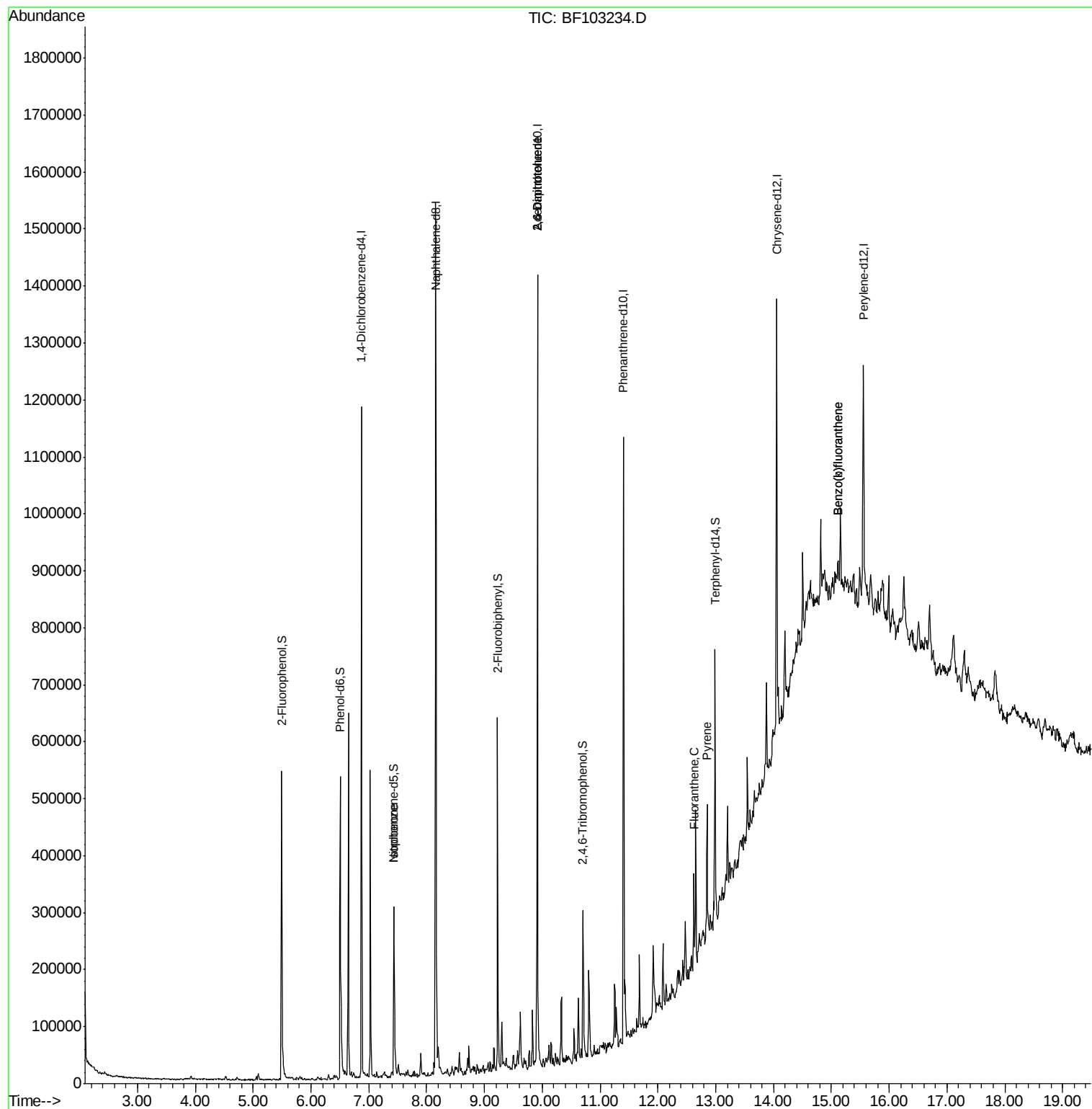
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	164262	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	663454	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	265680	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	403999	20.00	ng	0.00
75) Chrysene-d12	14.06	240	267101	20.00	ng	0.00
86) Perylene-d12	15.56	264	188182	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	165684	15.26	ng	0.00
7) Phenol-d6	6.50	99	206224	15.52	ng	0.00
23) Nitrobenzene-d5	7.43	82	110787	9.54	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	27196	12.09	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	187351	7.84	ng	0.00
78) Terphenyl-d14	12.99	244	134834	12.13	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	1852	Below Cal	#	86
25) Isophorone	7.43	82	110787	4.84	ng	# 65
50) 2,6-Dinitrotoluene	9.92	165	33220	7.43	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	33220	5.87	ng	# 23
74) Fluoranthene	12.62	202	57144	2.56	ng	96
77) Pyrene	12.85	202	50586	2.43	ng	97
87) Benzo(b)fluoranthene	15.12	252	36138	2.92	ng	# 40
88) Benzo(k)fluoranthene	15.12	252	36138	3.10	ng	# 43

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

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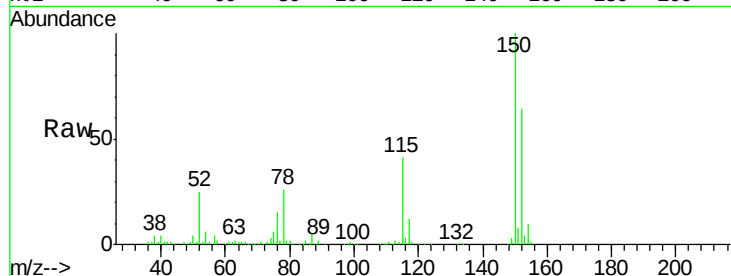


#1

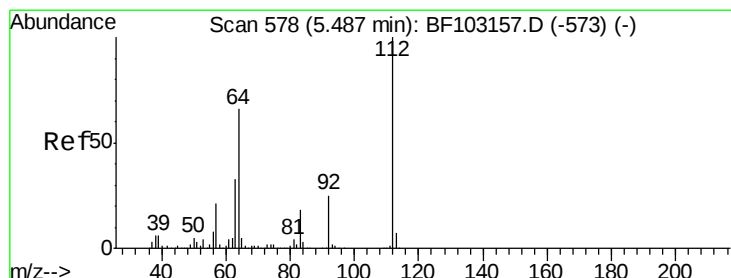
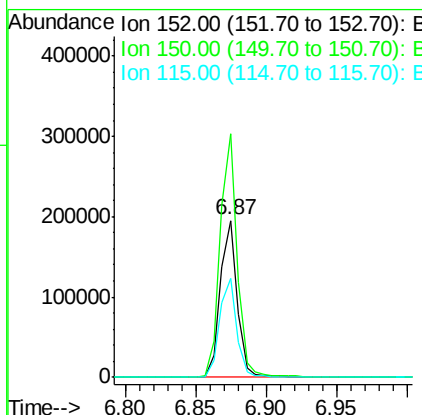
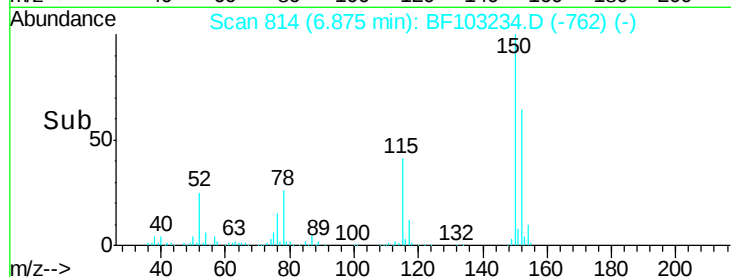
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103234.D
Acq: 26 Feb 2018 22:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164262
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 63.3 50.1 75.1



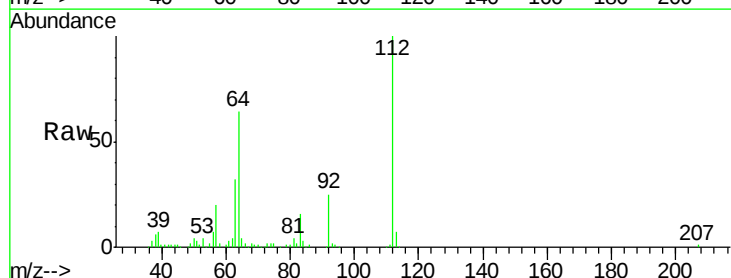
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



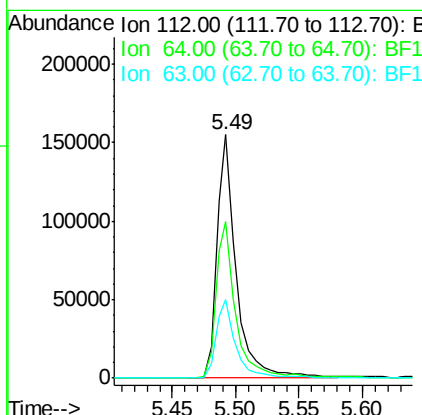
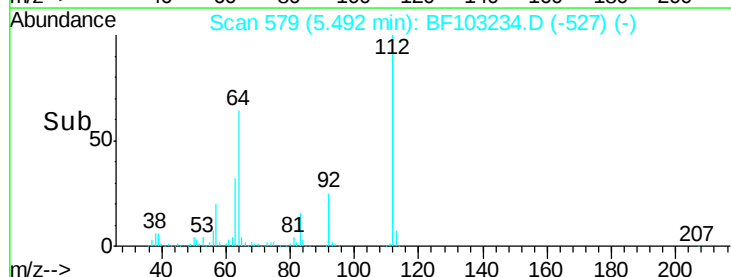
#5

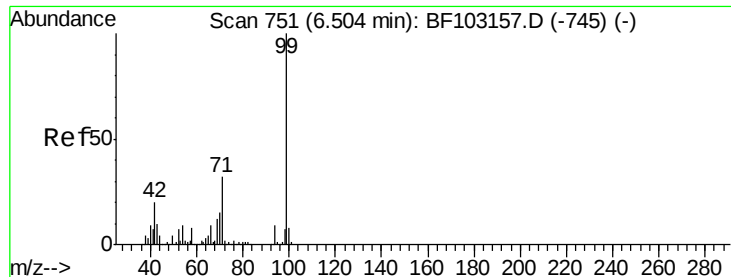
2-Fluorophenol
Concen: 15.26 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103234.D
Acq: 26 Feb 2018 22:50

Tgt Ion:112 Resp: 165684
Ion Ratio Lower Upper
112 100
64 64.1 47.9 71.9
63 32.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 15.52 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103234.D

Acq: 26 Feb 2018 22:50

Instrument :

BNA_F

ClientSampled :

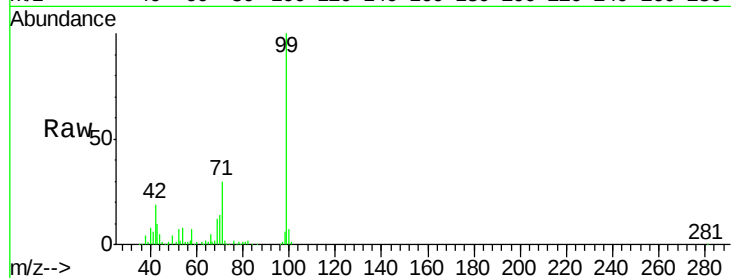
Tot Ion: 99 Resp: 206224

Ion Ratio Lower Upper

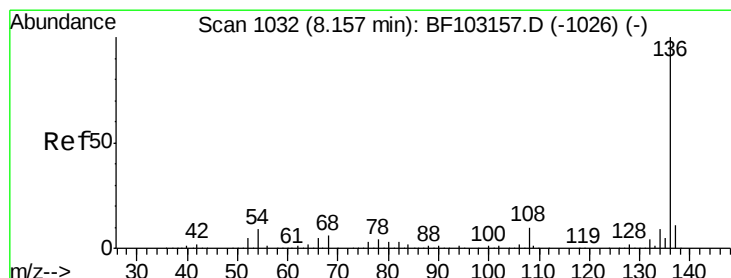
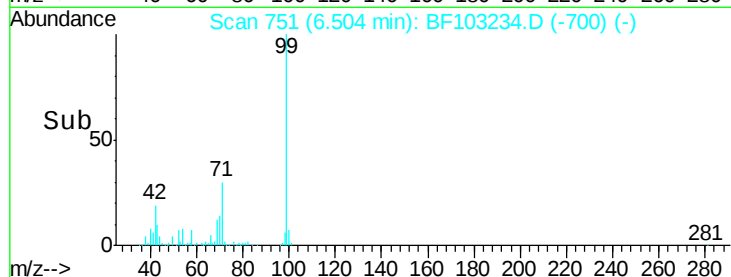
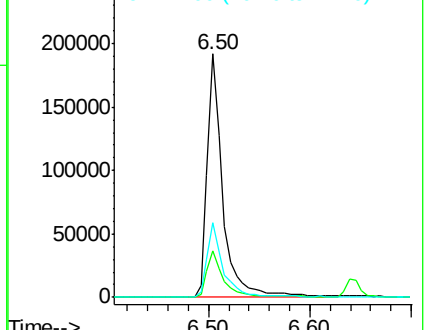
99 100

42 19.0 14.5 21.7

71 30.5 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: BF103234.D

Acq: 26 Feb 2018 22:50

Tgt Ion: 136 Resp: 663454

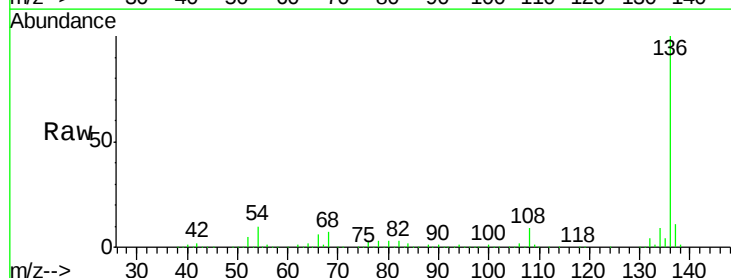
Ion Ratio Lower Upper

136 100

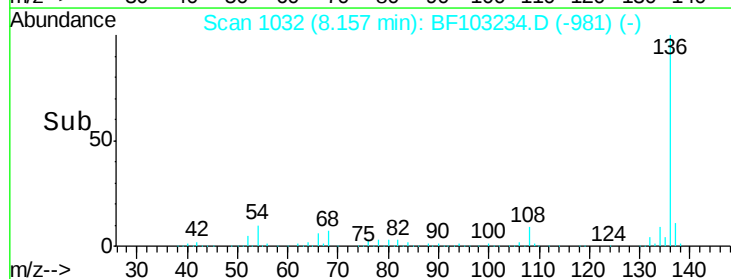
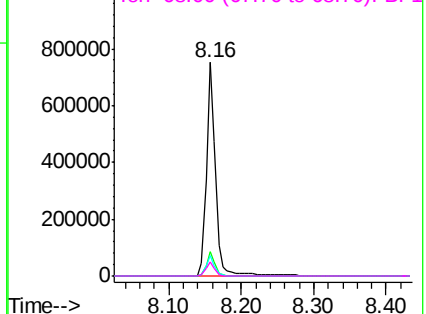
137 11.3 8.9 13.3

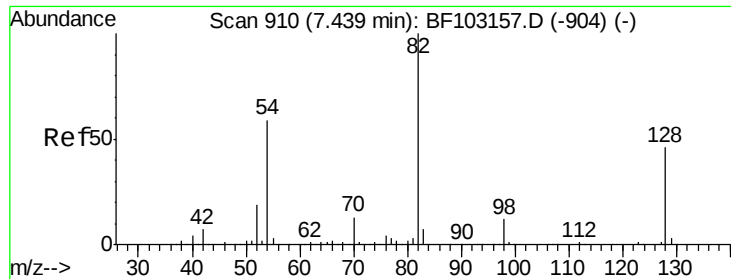
54 9.7 6.6 9.8

68 6.7 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

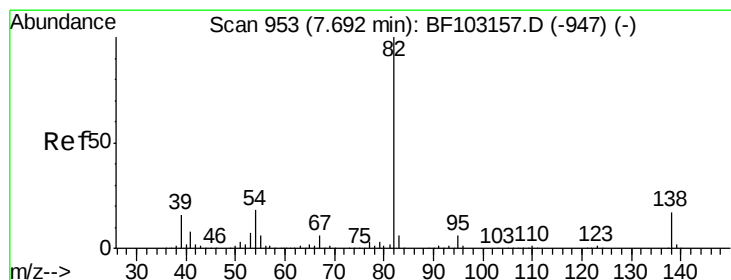
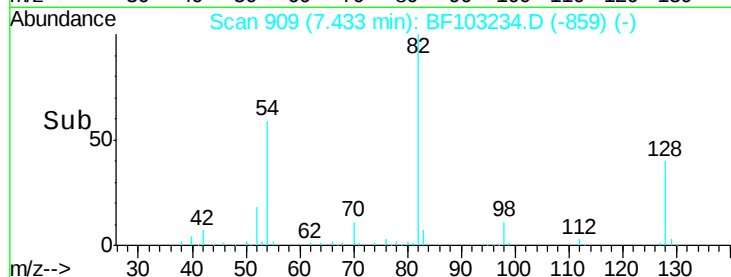
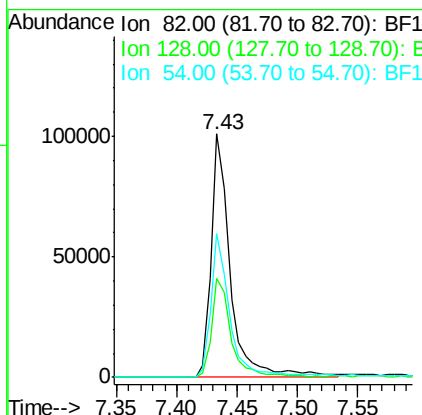
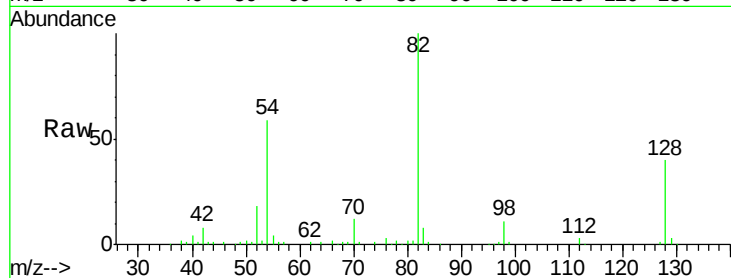




#23
Nitrobenzene-d5
Concen: 9.54 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103234.D
Acq: 26 Feb 2018 22:50

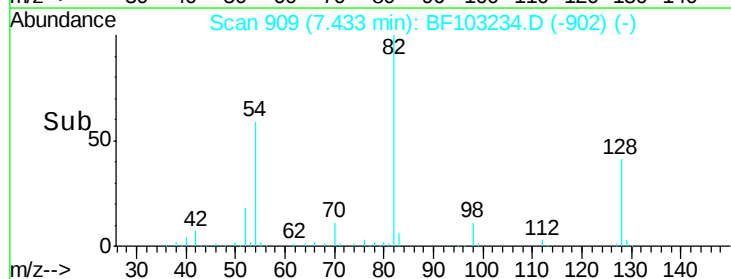
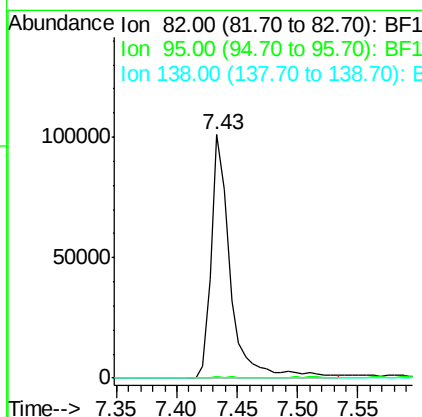
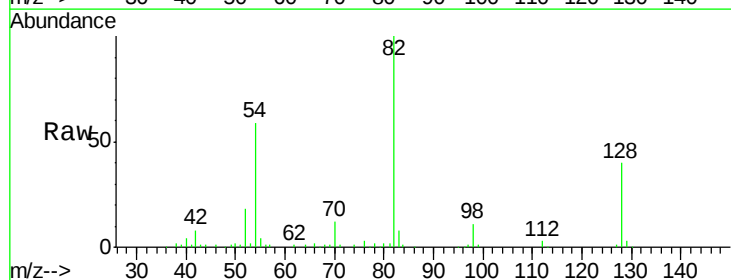
Instrument :
BNA_F
ClientSampleId :

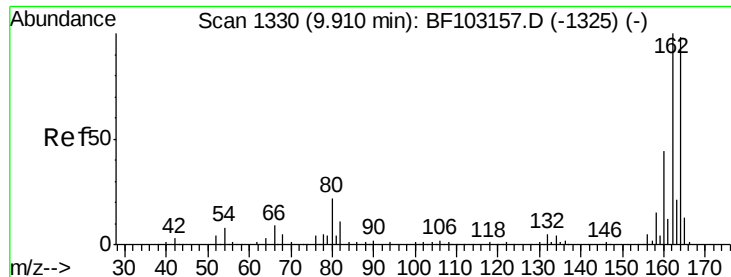
Tot Ion	82	Resp	110787
Ion Ratio	Lower	Upper	
82	100		
128	40.4	36.1	54.1
54	58.8	41.4	62.2



#25
Isophorone
Concen: 4.84 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF103234.D
Acq: 26 Feb 2018 22:50

Tgt Ion	82	Resp	110787
Ion Ratio	Lower	Upper	
82	100		
95	0.4	5.2	7.8#
138	0.0	14.9	22.3#

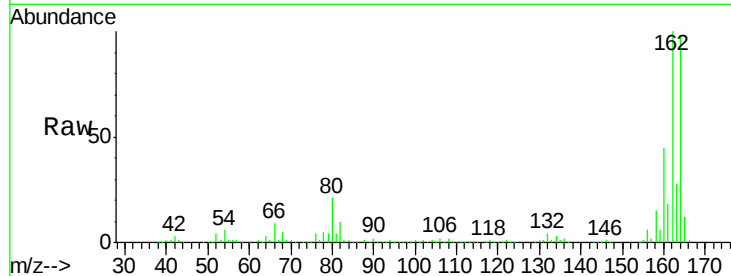




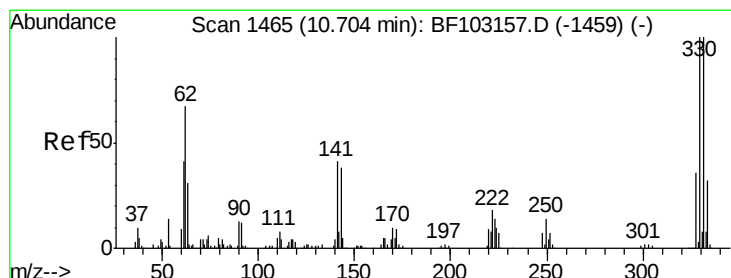
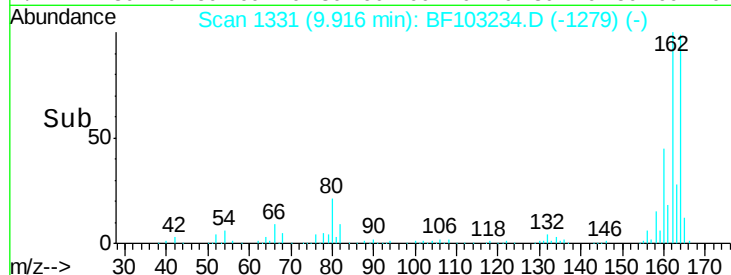
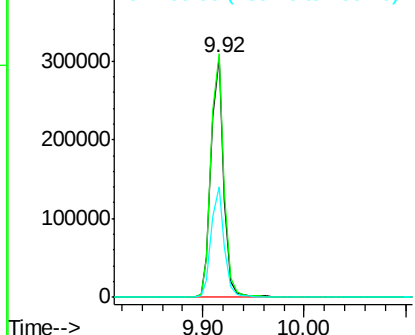
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF103234.D
Acq: 26 Feb 2018 22:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 265680
Ion Ratio Lower Upper
164 100
162 101.6 86.1 129.1
160 46.0 38.3 57.5

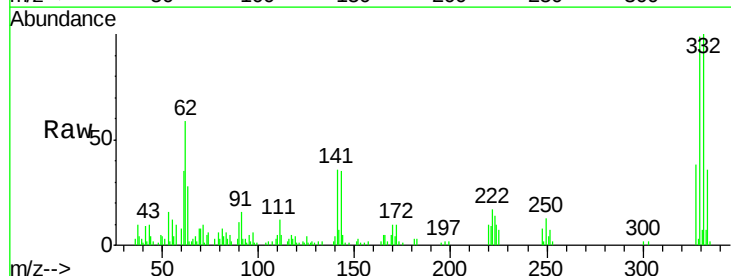


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

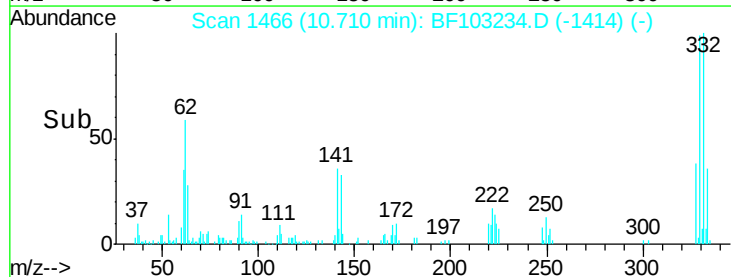
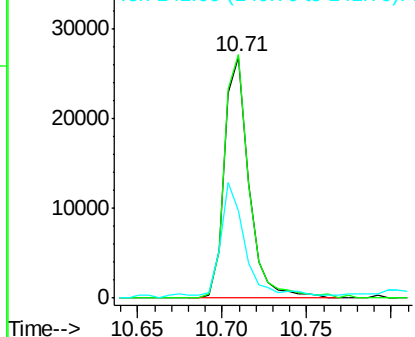


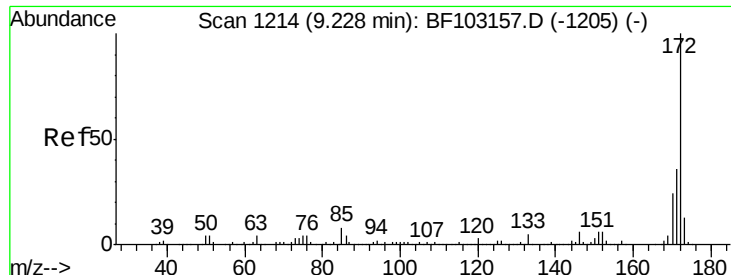
#41
2,4,6-Tribromophenol
Concen: 12.09 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.01 min
Lab File: BF103234.D
Acq: 26 Feb 2018 22:50

Tgt Ion:330 Resp: 27196
Ion Ratio Lower Upper
330 100
332 102.1 77.0 115.6
141 52.1 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

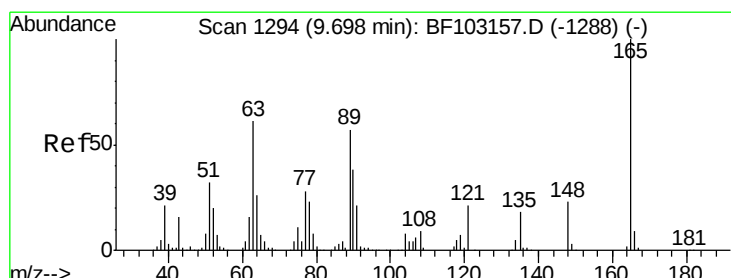
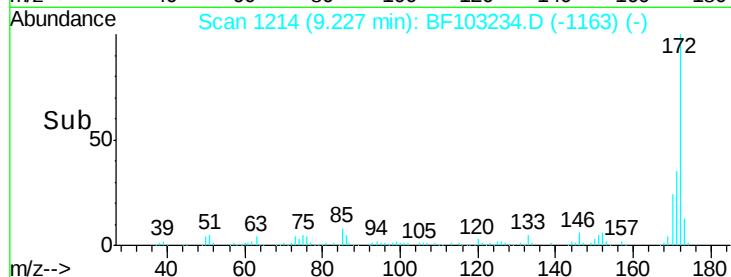
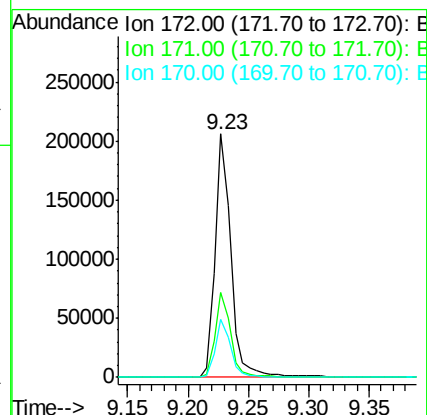
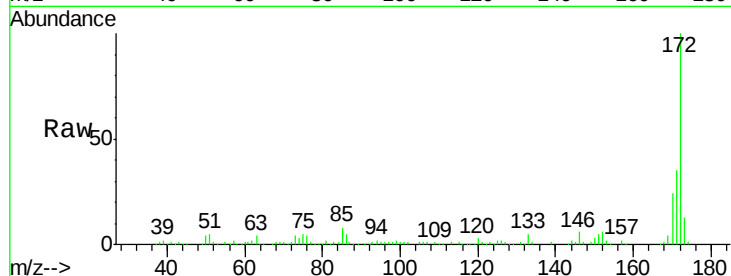




#44
 2-Fluorobiphenyl
 Concen: 7.84 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103234.D
 Acq: 26 Feb 2018 22:50

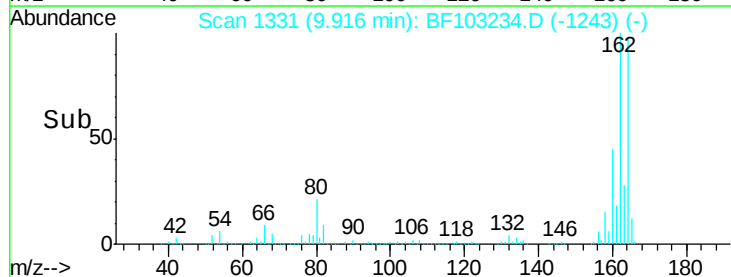
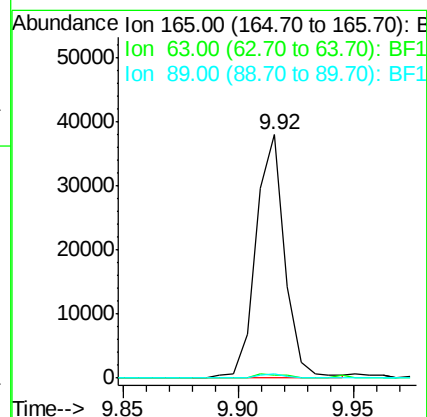
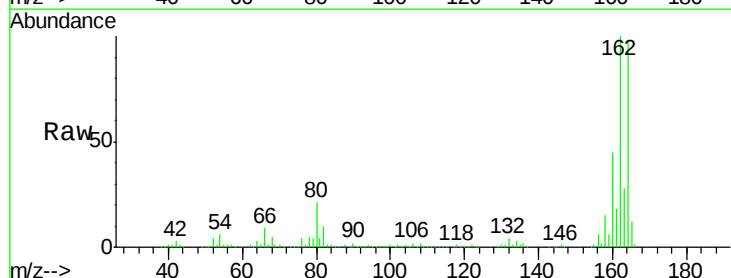
Instrument :
 BNA_F
 ClientSampled :

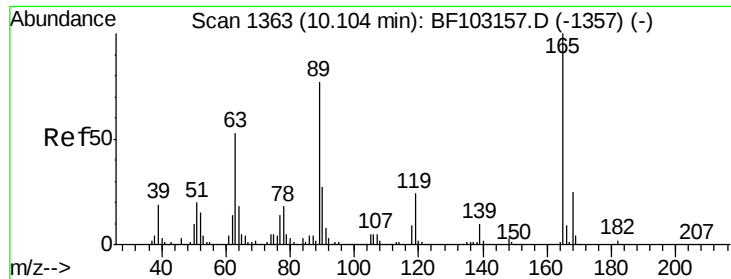
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	24.0	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.43 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.22 min
 Lab File: BF103234.D
 Acq: 26 Feb 2018 22:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.6	44.0	66.0#

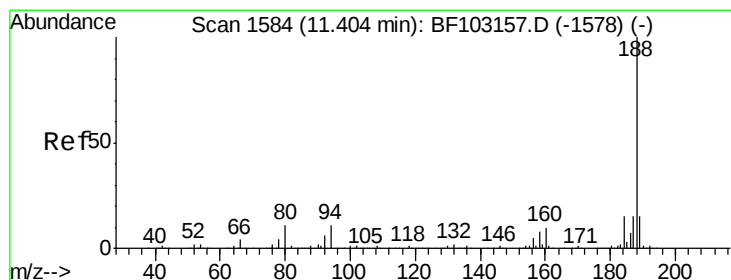
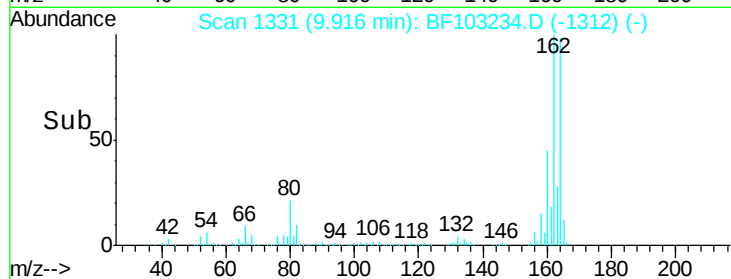
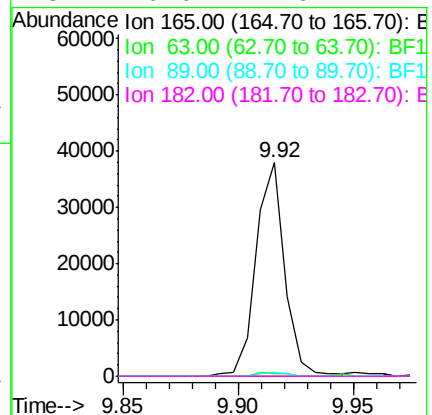
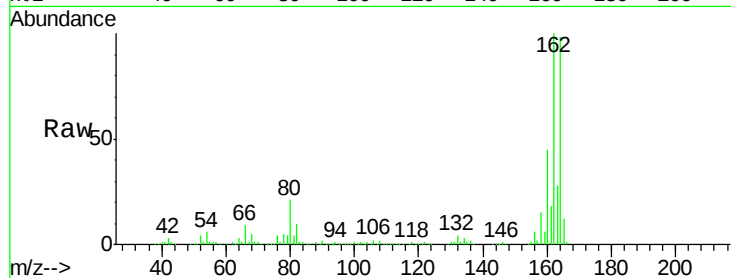




#56
 2,4-Dinitrotoluene
 Concen: 5.87 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103234.D
 Acq: 26 Feb 2018 22:50

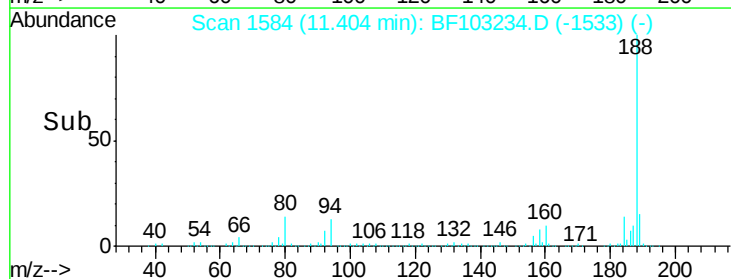
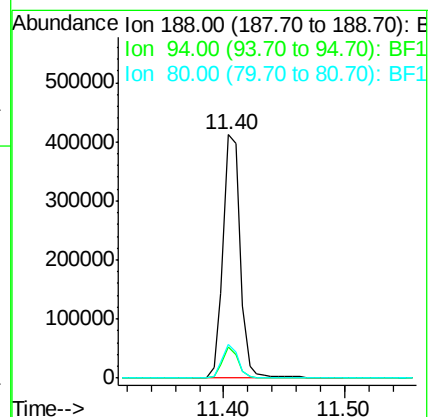
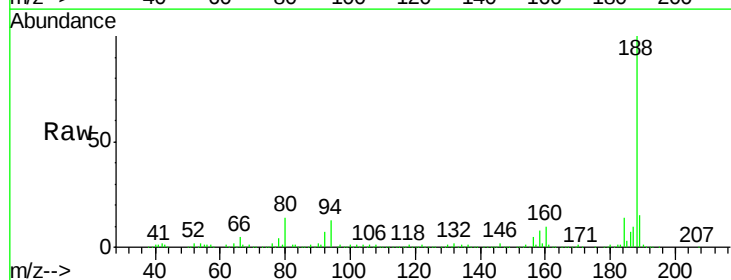
Instrument :
 BNA_F
 ClientSampleId :

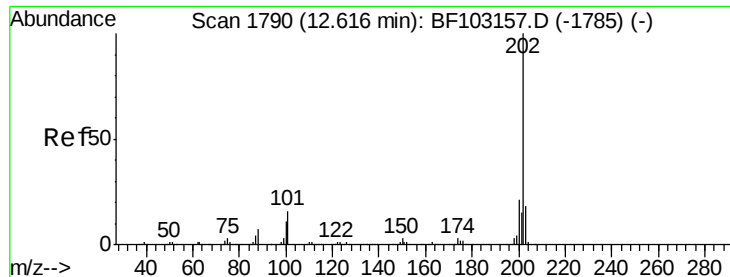
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF103234.D
 Acq: 26 Feb 2018 22:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.8	8.5	12.7#
80	13.8	9.2	13.8#





#74

Fluoranthene

Concen: 2.56 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF103234.D

Acq: 26 Feb 2018 22:50

Instrument :

BNA_F

ClientSampleId :

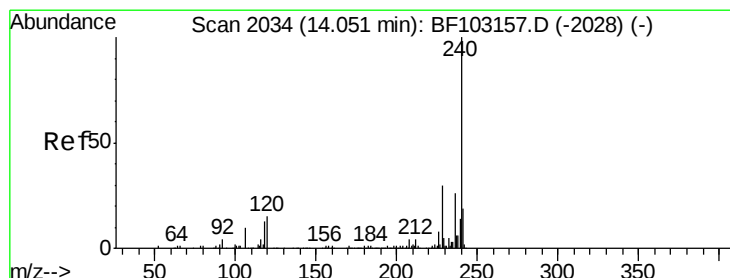
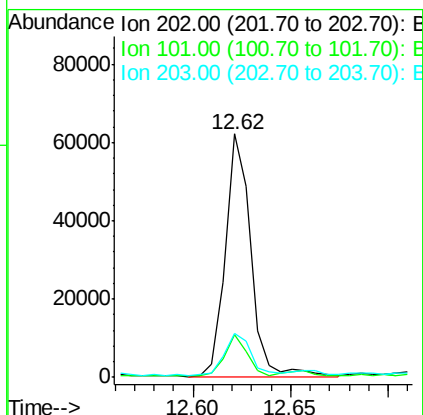
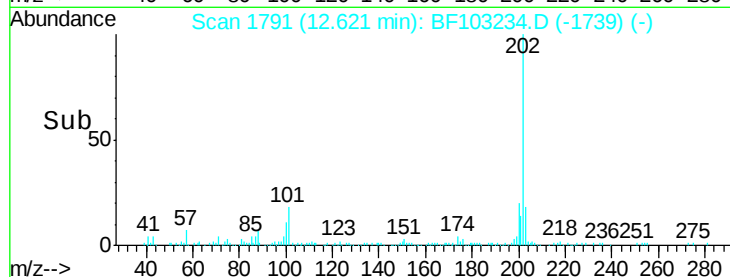
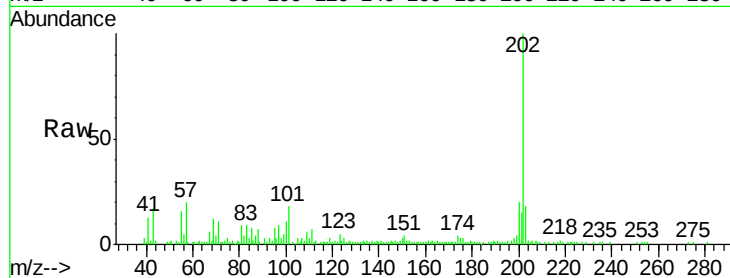
Tot Ion:202 Resp: 57144

Ion Ratio Lower Upper

202 100

101 17.6 0.0 34.1

203 17.9 0.0 38.1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF103234.D

Acq: 26 Feb 2018 22:50

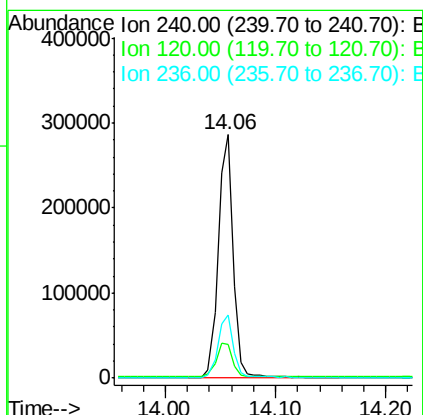
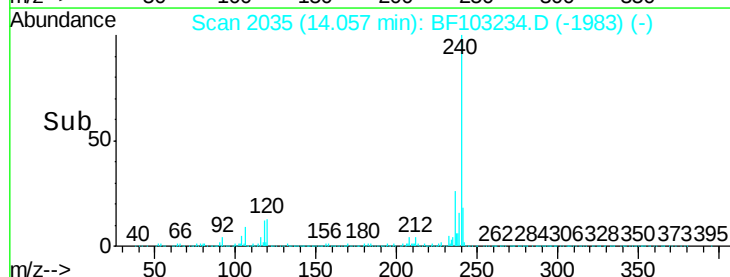
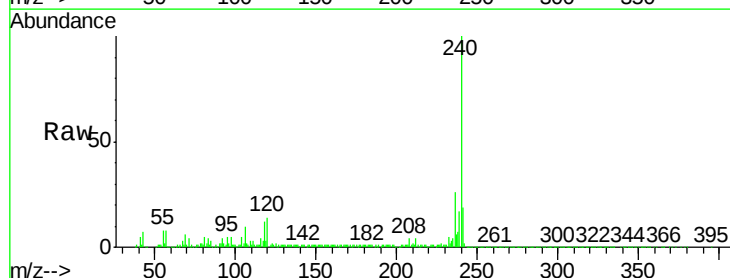
Tgt Ion:240 Resp: 267101

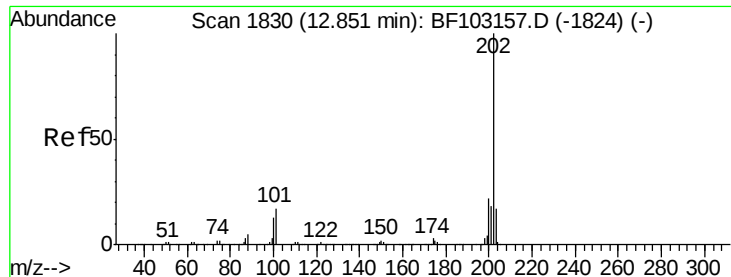
Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

236 25.9 20.7 31.1





#77

Pvrene

Concen: 2.43 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF103234.D

Acq: 26 Feb 2018 22:50

Instrument :

BNA_F

ClientSampleId :

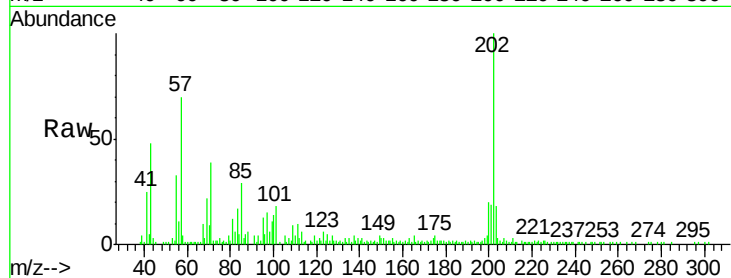
Tot Ion:202 Resp: 50586

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

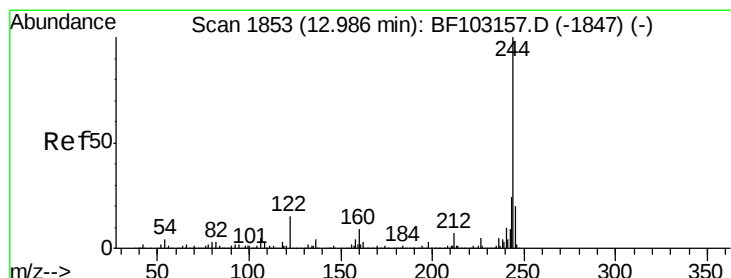
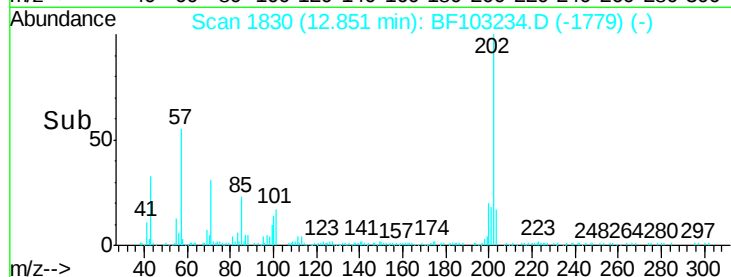
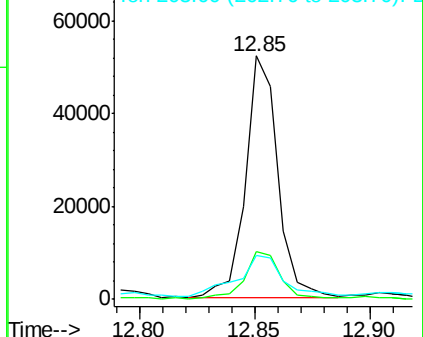
203 18.1 14.3 21.5



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: 12.13 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF103234.D

Acq: 26 Feb 2018 22:50

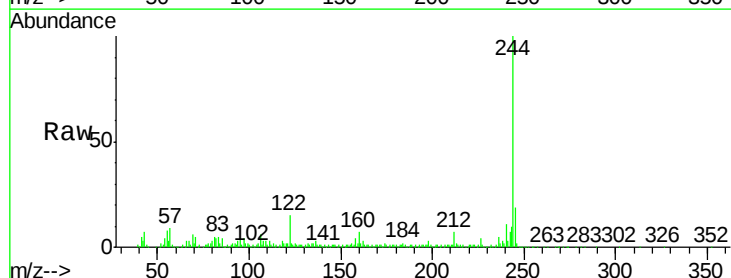
Tgt Ion:244 Resp: 134834

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

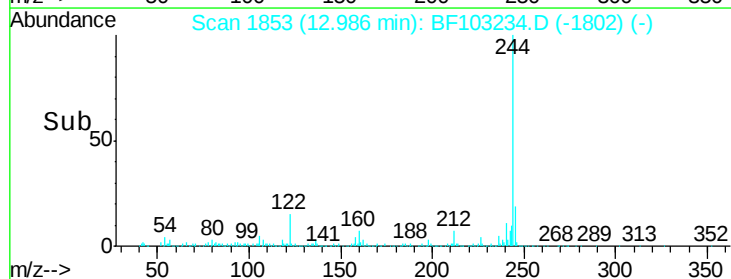
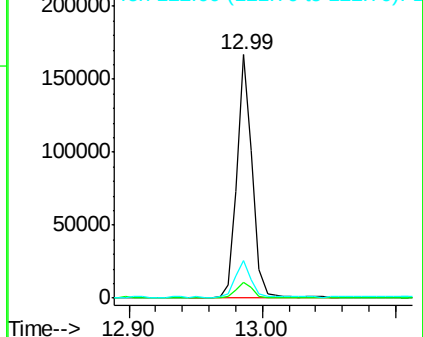
122 15.4 11.0 16.4

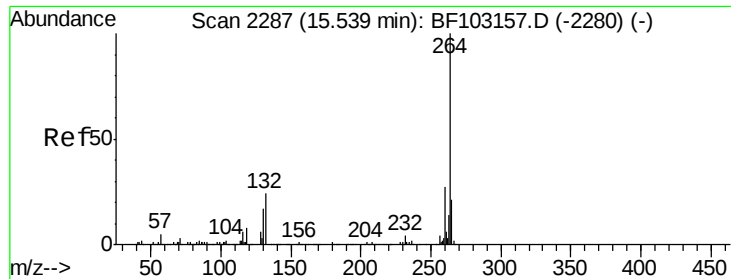


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

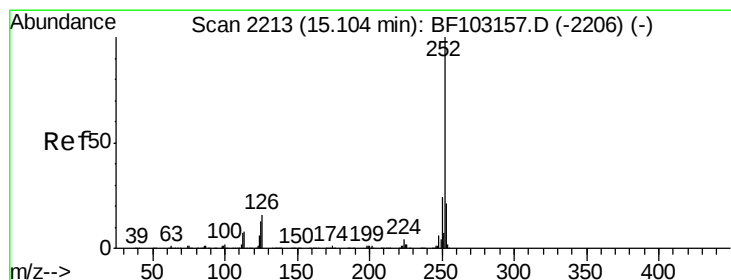
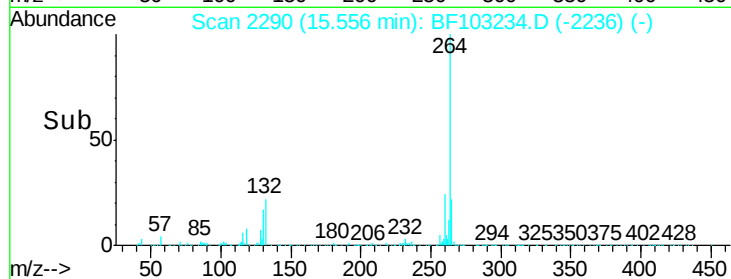
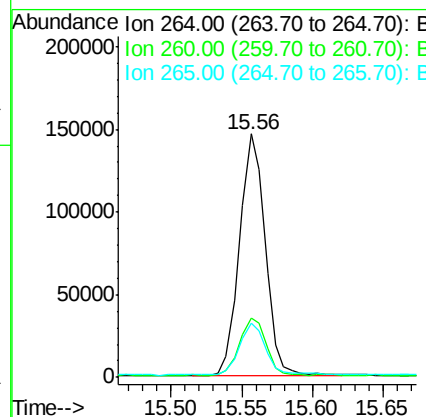
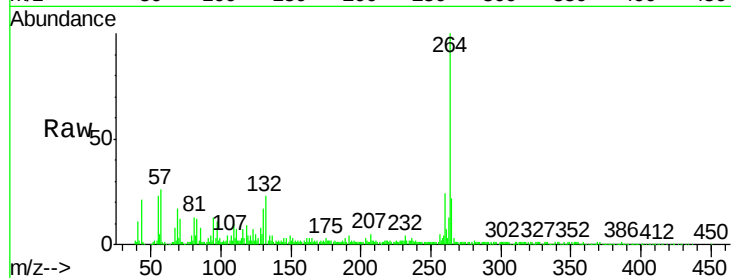




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.02 min
Lab File: BF103234.D
Acq: 26 Feb 2018 22:50

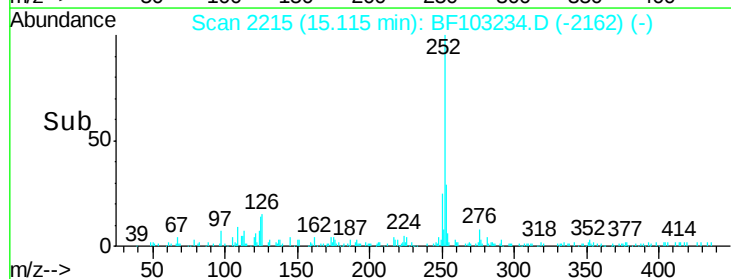
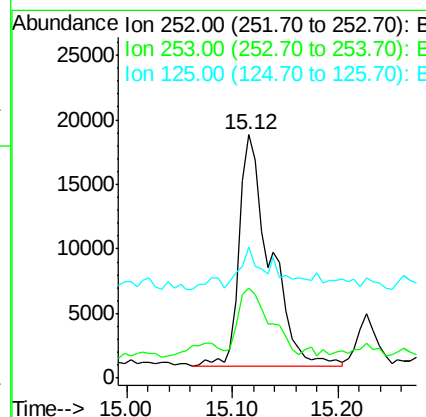
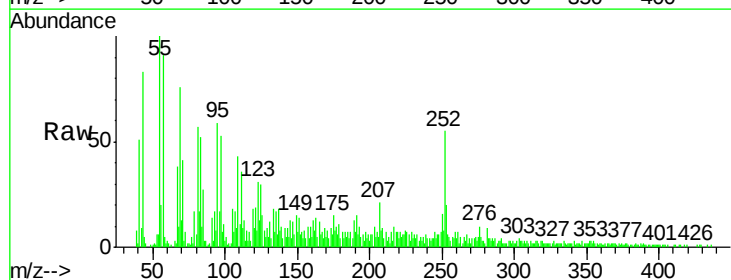
Instrument :
BNA_F
ClientSampleId :

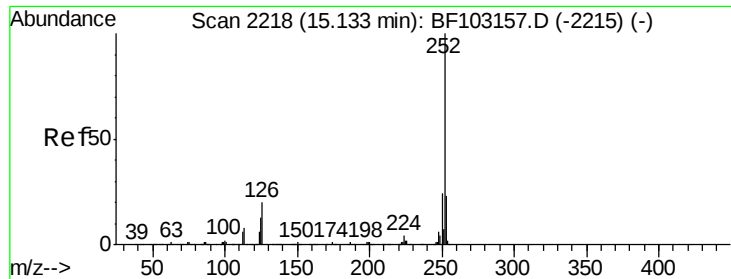
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.5	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.92 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF103234.D
Acq: 26 Feb 2018 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.9	17.0	25.6#
125	54.0	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 3.10 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF103234.D

Acq: 26 Feb 2018 22:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 36138

Ion Ratio Lower Upper

252 100

253 36.9 17.9 26.9#

125 54.0 10.2 15.2#

