

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103300.D
 Acq On : 28 Feb 2018 18:30
 Operator : SJ/JU
 Sample : J1710-07 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 00:03:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	147170	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	595920	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	238085	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	337650	20.00	ng	0.00
75) Chrysene-d12	14.06	240	259707	20.00	ng	0.00
86) Perylene-d12	15.56	264	253179	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	99299	10.20	ng	0.00
7) Phenol-d6	6.50	99	126959	10.66	ng	0.00
23) Nitrobenzene-d5	7.44	82	78920	7.56	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	14923	7.41	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	120019	4.78	ng	0.00
78) Terphenyl-d14	12.99	244	69791	6.46	ng	0.00

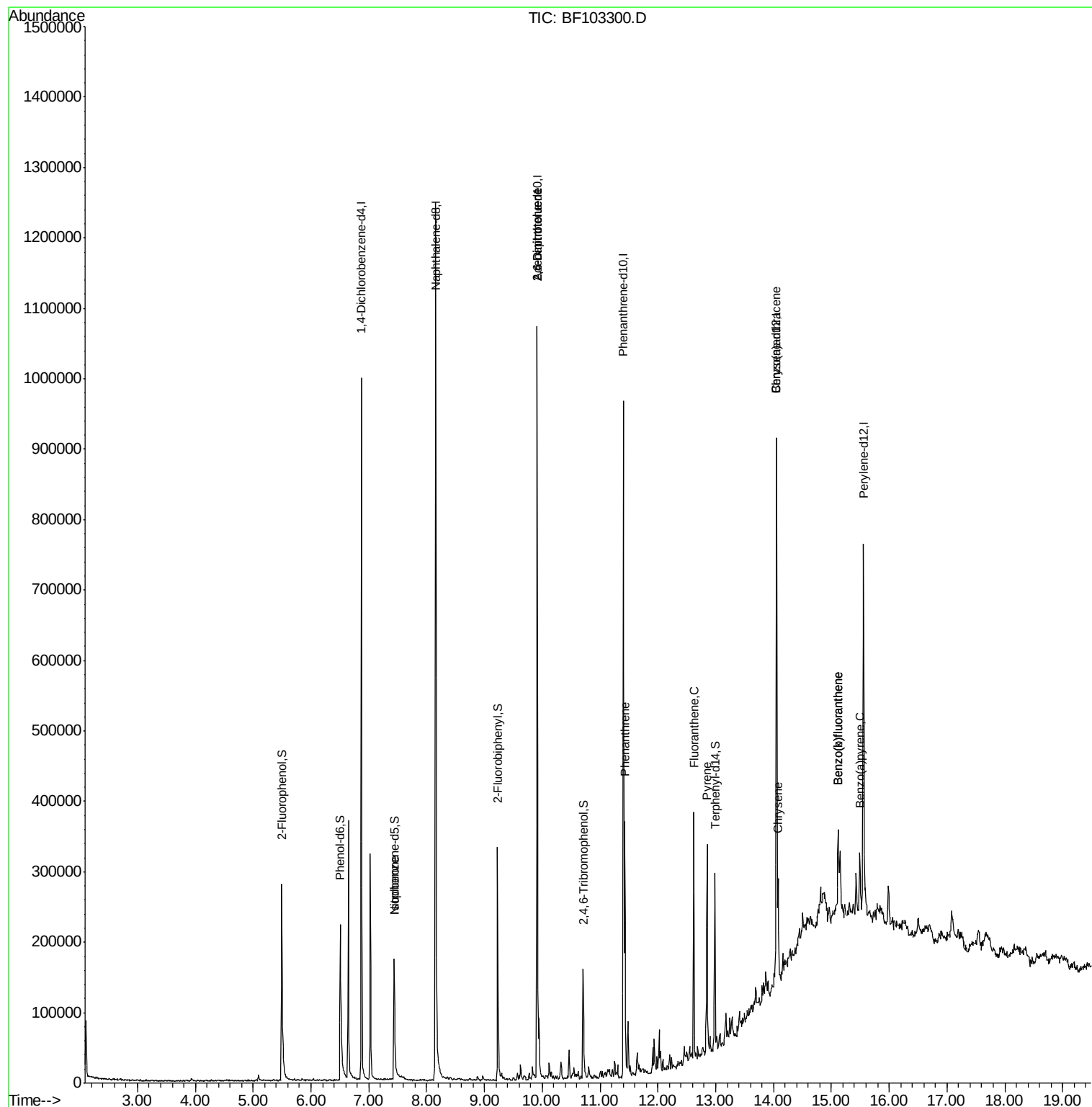
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	229	Below Cal		# 1
25) Isophorone	7.44	82	78920	3.840	ng	# 64
50) 2,6-Dinitrotoluene	9.91	165	30672	7.652	ng	# 26
56) 2,4-Dinitrotoluene	9.91	165	30672	6.051	ng	# 23
70) Phenanthrene	11.43	178	118407	6.372	ng	98
74) Fluoranthene	12.62	202	124632	6.675	ng	99
77) Pyrene	12.85	202	110075	5.436	ng	99
80) Benzo(a)anthracene	14.04	228	50781	3.014	ng	96
82) Chrysene	14.08	228	49763	3.041	ng	97
87) Benzo(b)fluoranthene	15.12	252	79642	4.784	ng	# 86
88) Benzo(k)fluoranthene	15.12	252	79642	5.081	ng	# 89
89) Benzo(a)pyrene	15.49	252	40295	2.711	ng	# 84

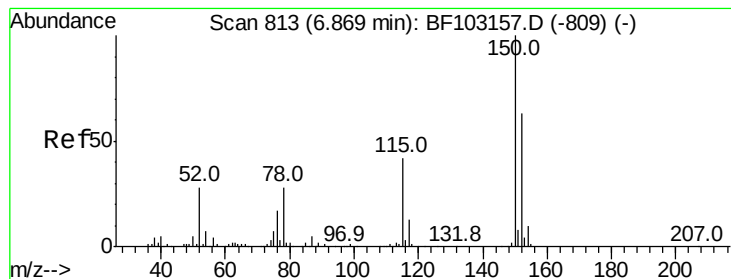
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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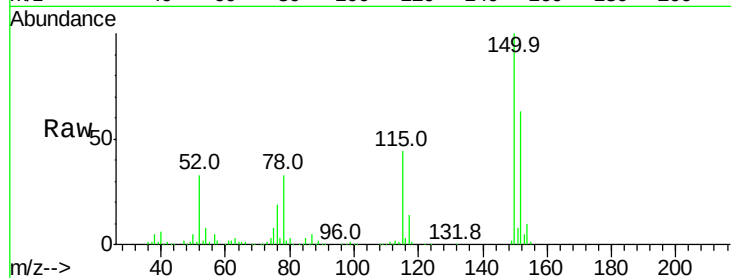


#1

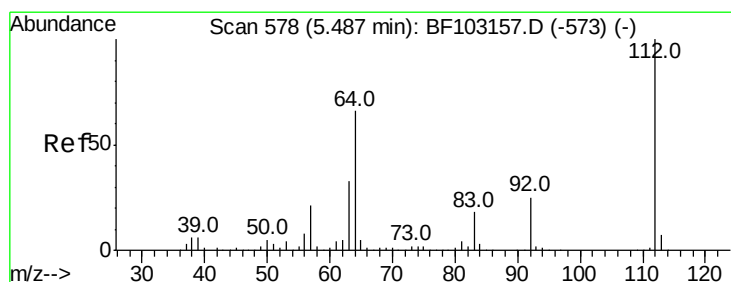
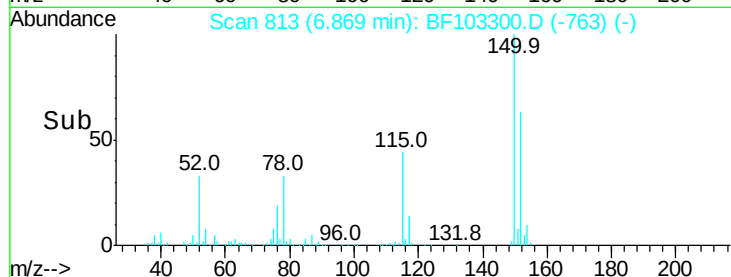
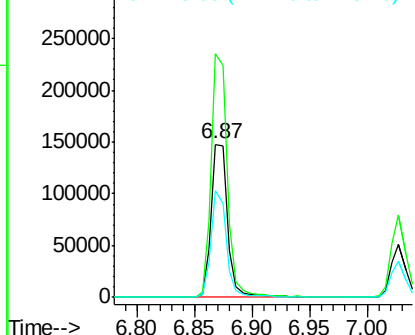
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF103300.D
Acq: 28 Feb 2018 18:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147170
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 69.4 50.1 75.1



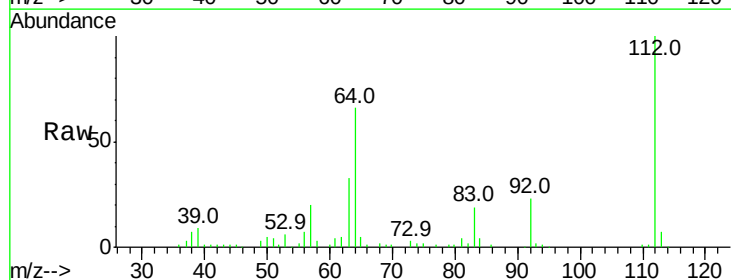
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



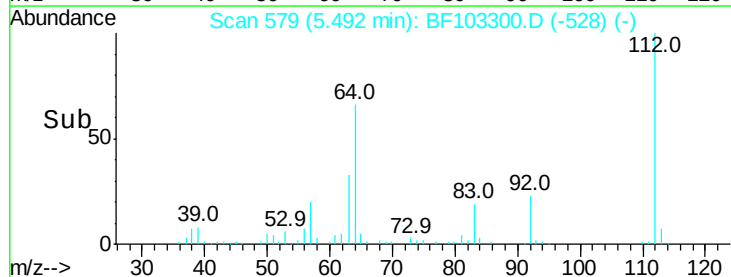
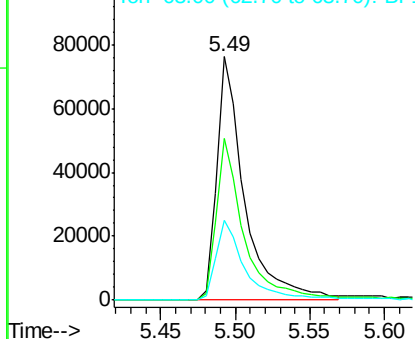
#5

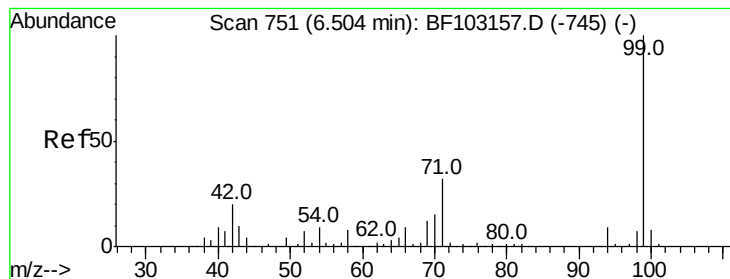
2-Fluorophenol
Concen: 10.205 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103300.D
Acq: 28 Feb 2018 18:30

Tgt Ion:112 Resp: 99299
Ion Ratio Lower Upper
112 100
64 66.2 47.9 71.9
63 32.8 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: 10.663 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103300.D

Acq: 28 Feb 2018 18:30

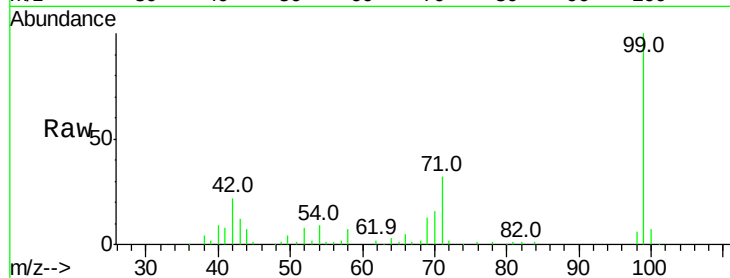
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 126959

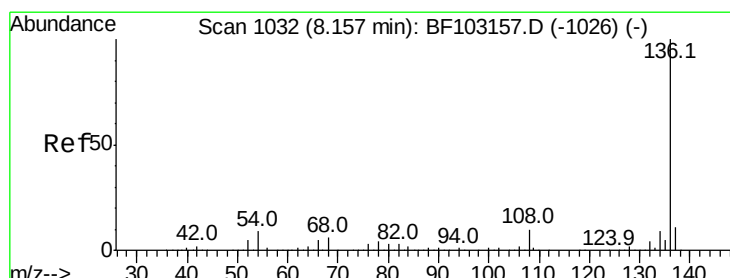
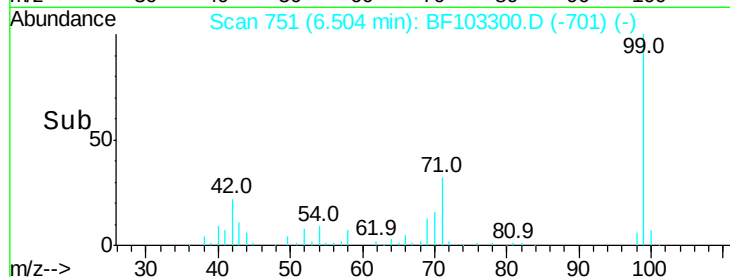
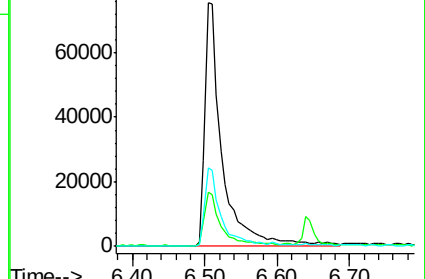
Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.5	21.7#
71	32.3	25.4	38.0



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: 20.000 ng

RT: 8.16 min Scan# 1032

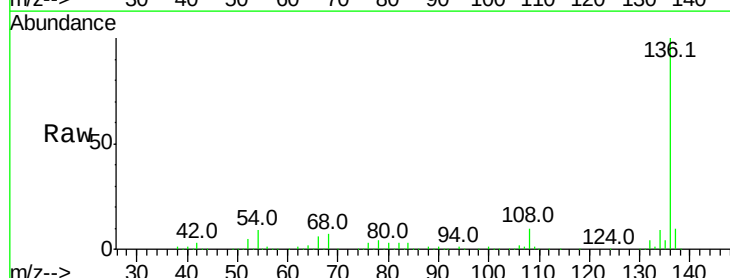
Delta R.T. -0.00 min

Lab File: BF103300.D

Acq: 28 Feb 2018 18:30

Tgt Ion: 136 Resp: 595920

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	9.0	6.6	9.8
68	6.6	5.0	7.4

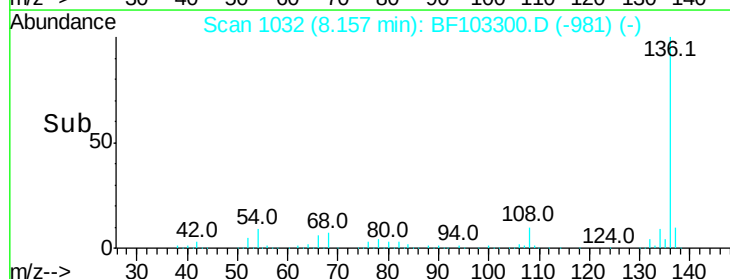
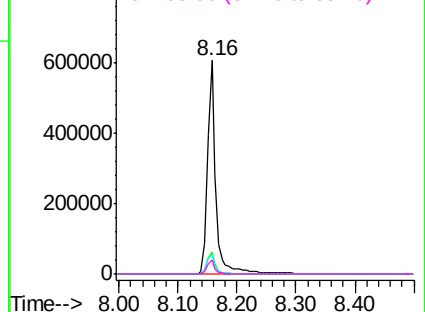


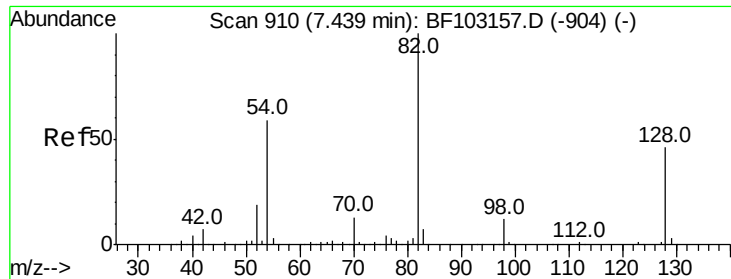
Abundance Ion 136.00 (135.70 to 136.70): E

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

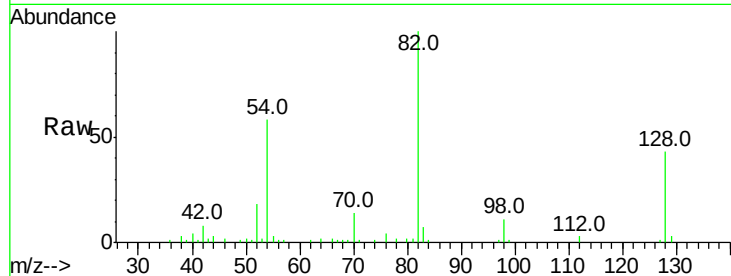




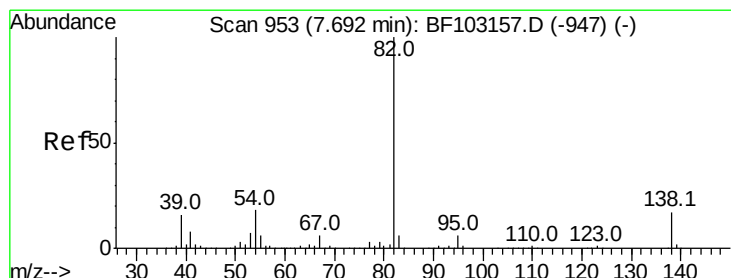
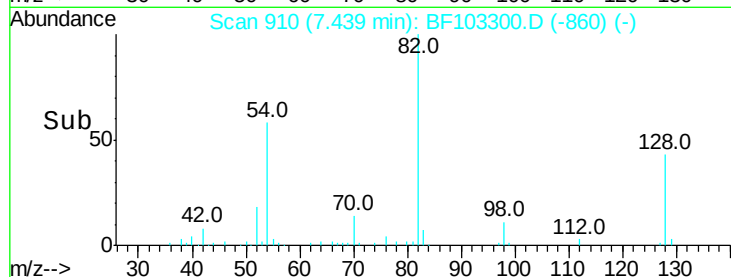
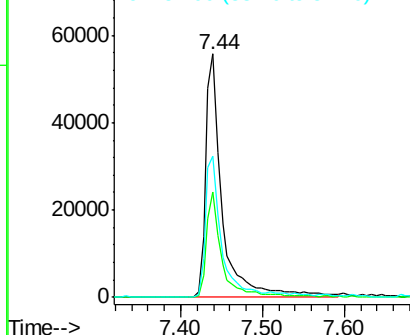
#23
Nitrobenzene-d5
Concen: 7.563 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103300.D
Acq: 28 Feb 2018 18:30

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 78920
Ion Ratio Lower Upper
82 100
128 43.1 36.1 54.1
54 58.3 41.4 62.2

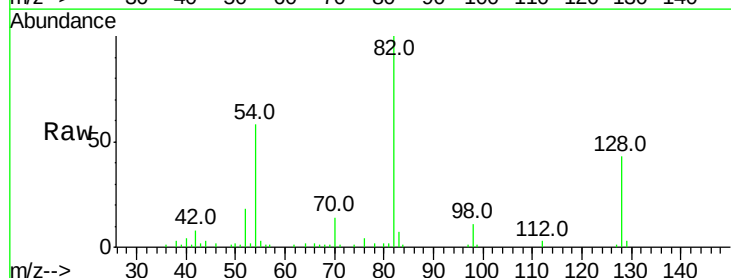


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

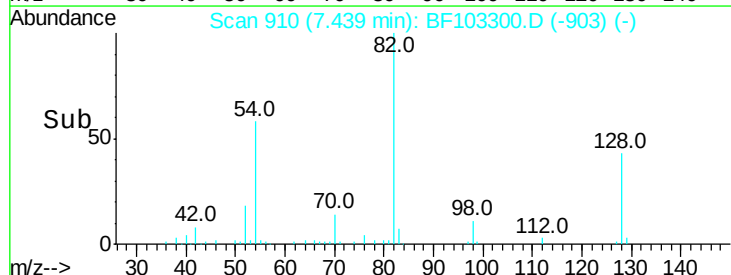
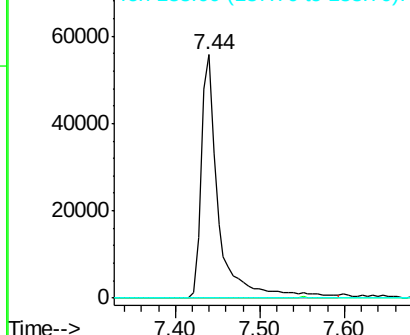


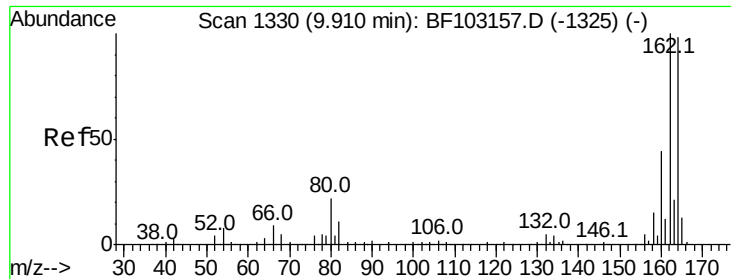
#25
Isophorone
Concen: 3.840 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103300.D
Acq: 28 Feb 2018 18:30

Tgt Ion: 82 Resp: 78920
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

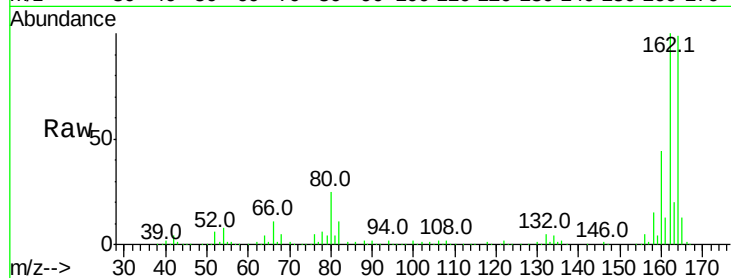




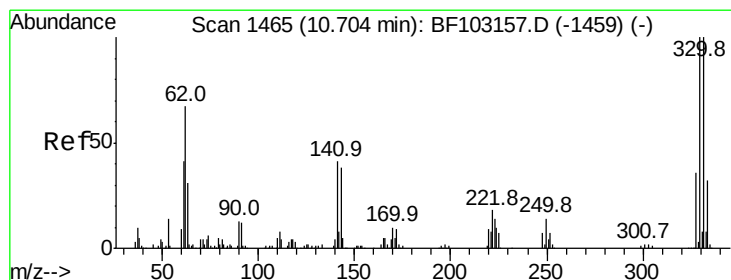
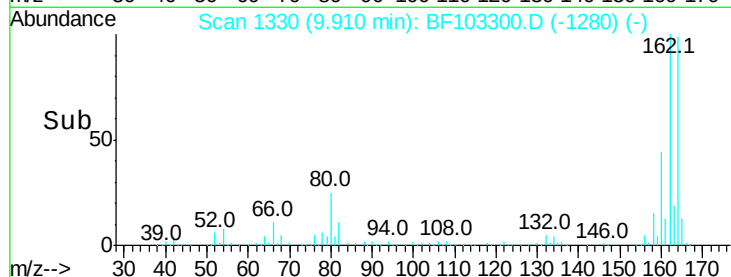
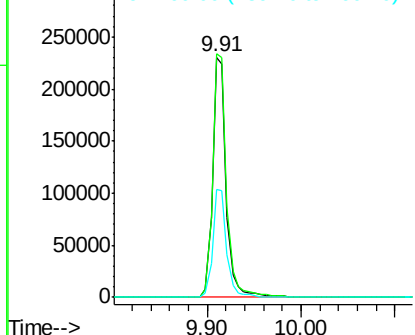
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103300.D
Acq: 28 Feb 2018 18:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 238085
Ion Ratio Lower Upper
164 100
162 101.4 86.1 129.1
160 45.0 38.3 57.5

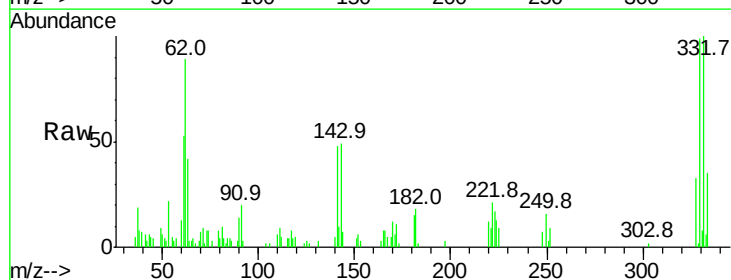


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

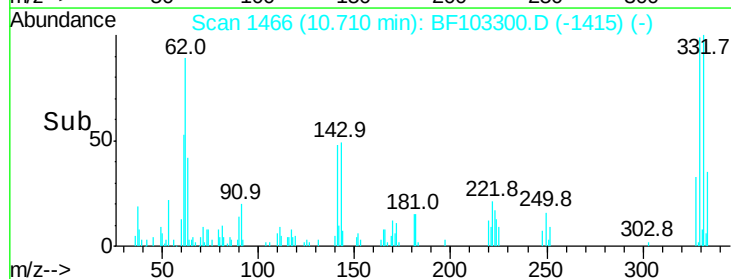
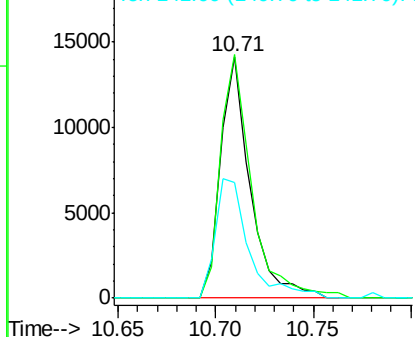


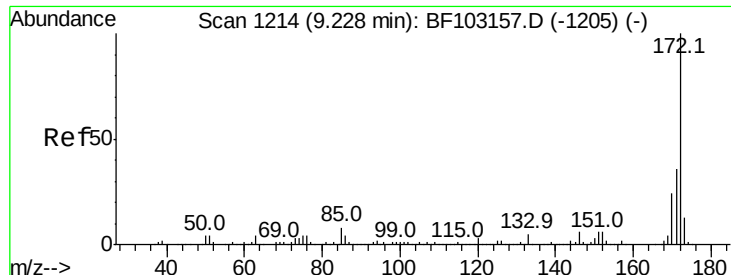
#41
2,4,6-Tribromophenol
Concen: 7.405 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF103300.D
Acq: 28 Feb 2018 18:30

Tgt Ion:330 Resp: 14923
Ion Ratio Lower Upper
330 100
332 105.7 77.0 115.6
141 56.1 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

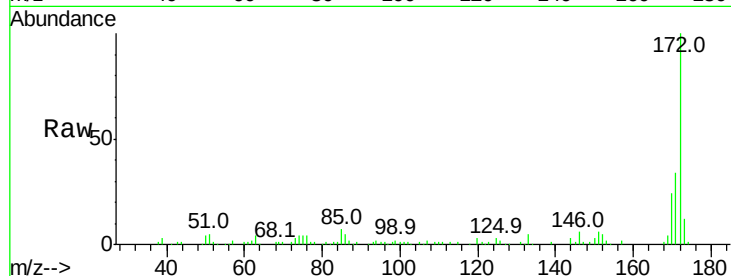




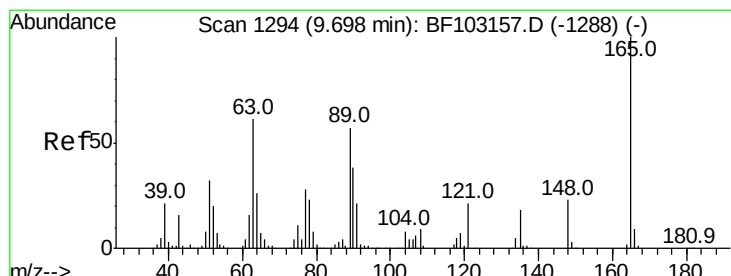
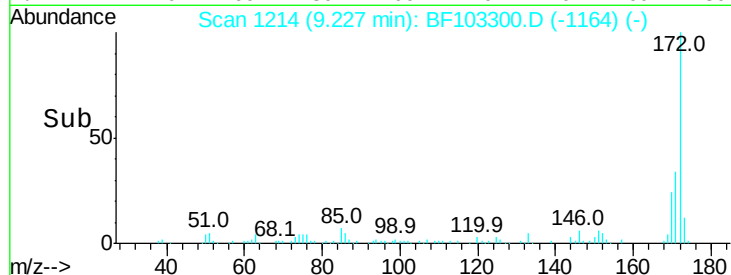
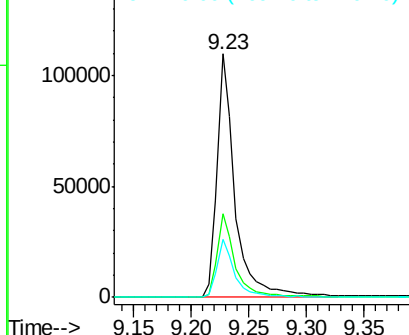
#44
 2-Fluorobiphenyl
 Concen: 4.777 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103300.D
 Acq: 28 Feb 2018 18:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	24.0	19.6	29.4

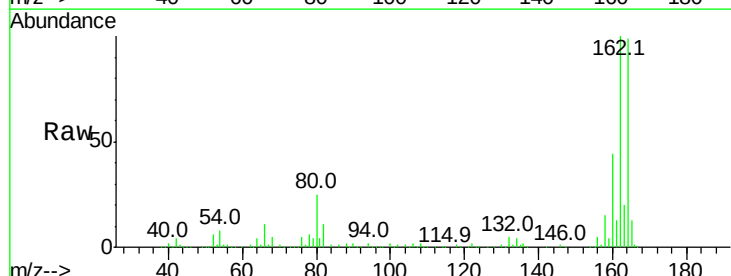


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

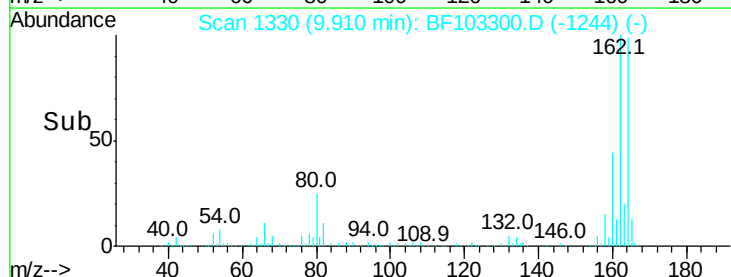
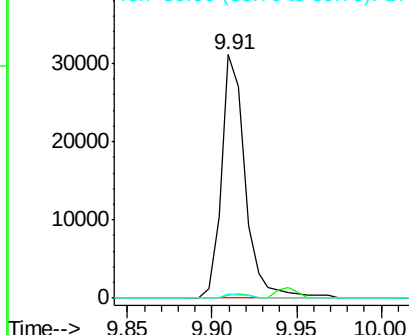


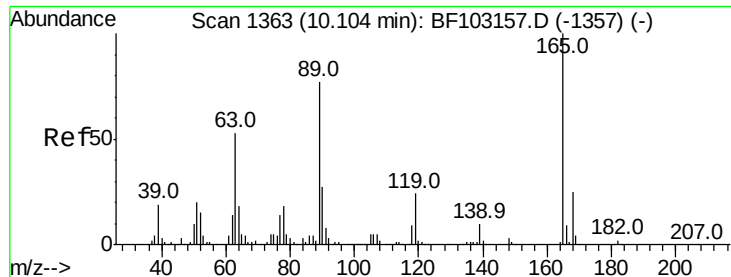
#50
 2,6-Dinitrotoluene
 Concen: 7.652 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF103300.D
 Acq: 28 Feb 2018 18:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	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

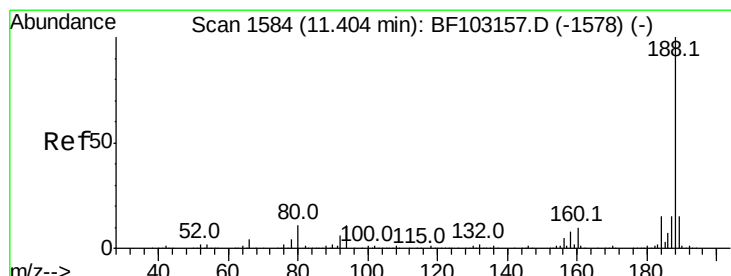
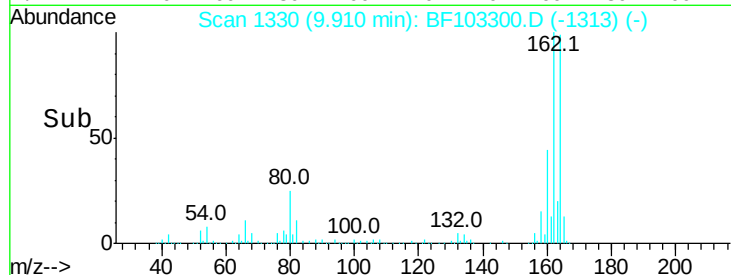
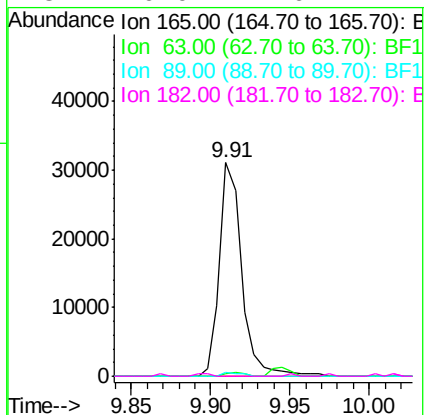
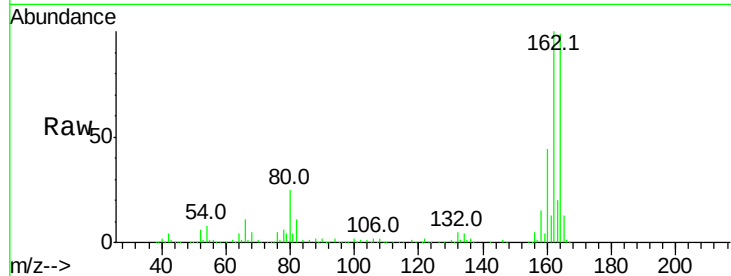




#56
 2,4-Dinitrotoluene
 Concen: 6.051 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF103300.D
 Acq: 28 Feb 2018 18:30

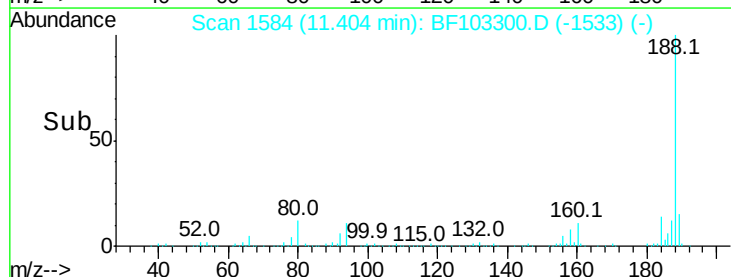
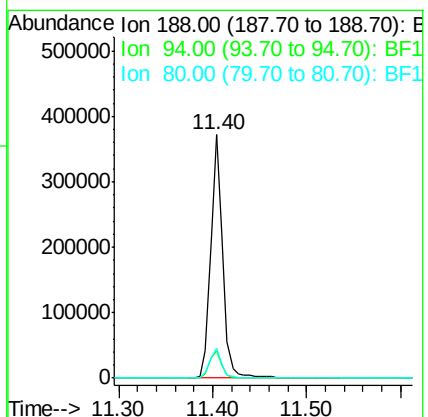
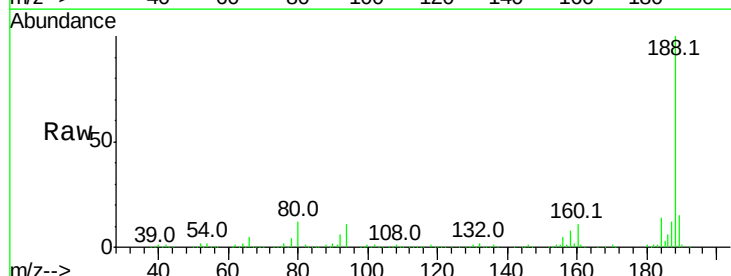
Instrument :
 BNA_F
 ClientSampleId :

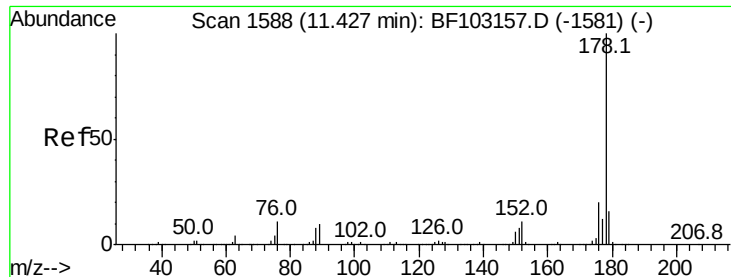
Tot Ion:165 Resp: 30672
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.7 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF103300.D
 Acq: 28 Feb 2018 18:30

Tgt Ion:188 Resp: 337650
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 12.4 9.2 13.8





#70

Phenanthrene

Concen: 6.372 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103300.D

Acq: 28 Feb 2018 18:30

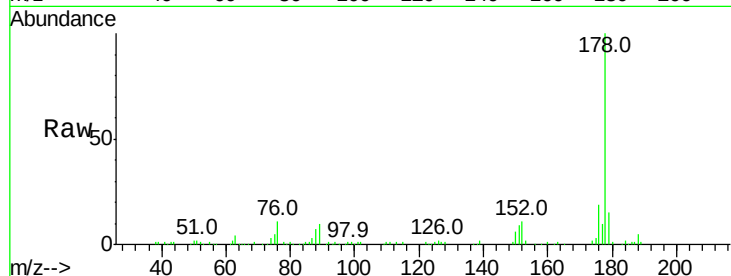
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 118407

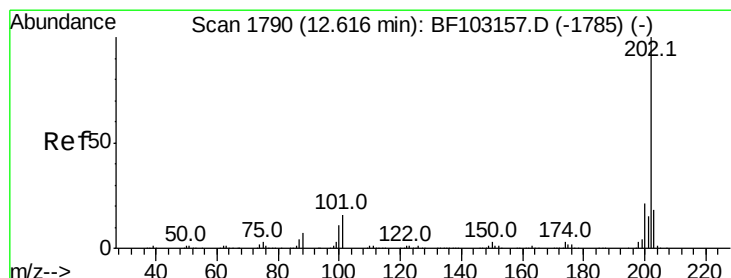
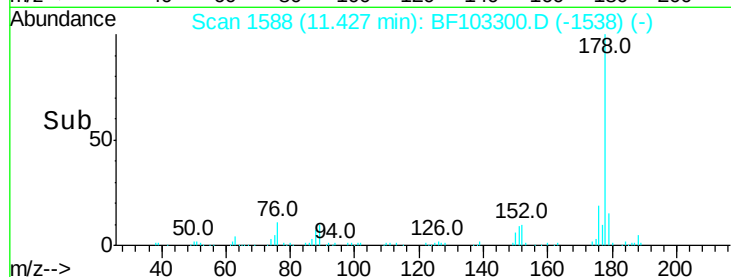
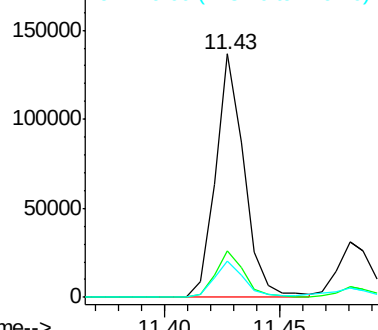
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	14.9	13.0	19.6



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: 6.675 ng

RT: 12.62 min Scan# 1791

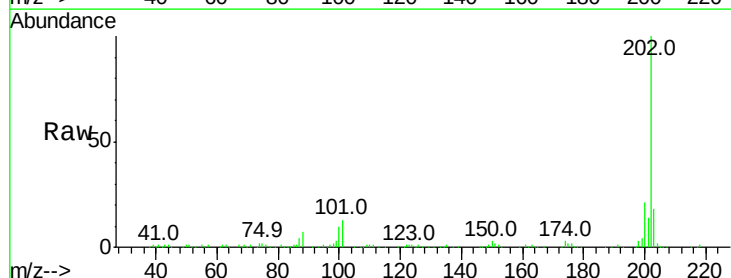
Delta R.T. -0.00 min

Lab File: BF103300.D

Acq: 28 Feb 2018 18:30

Tgt Ion:202 Resp: 124632

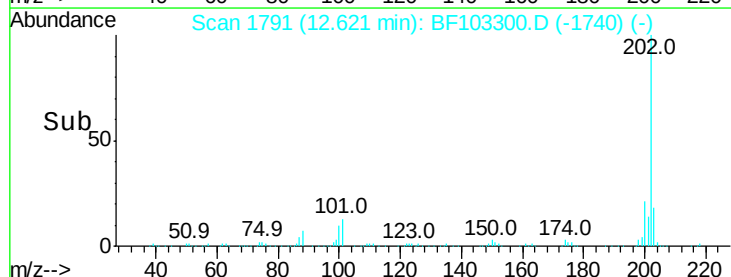
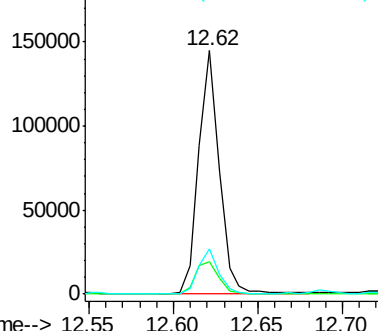
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	34.1
203	18.5	0.0	38.1

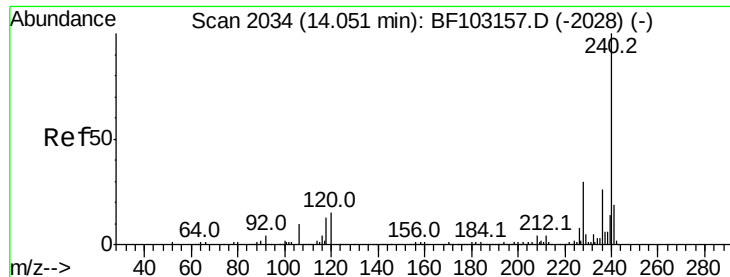


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103300.D

Acq: 28 Feb 2018 18:30

Instrument :

BNA_F

ClientSampleId :

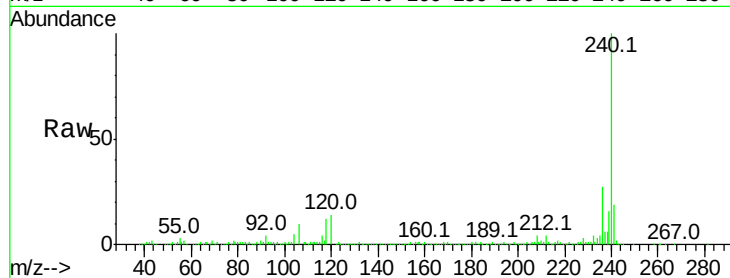
Tot Ion:240 Resp: 259707

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

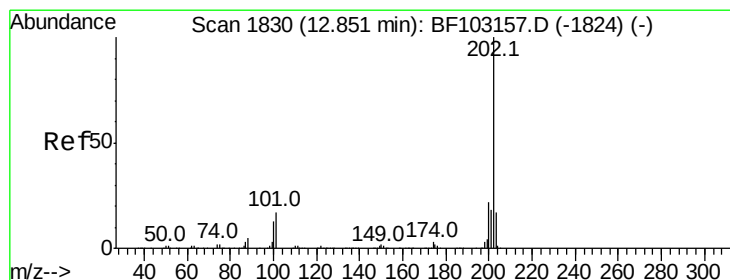
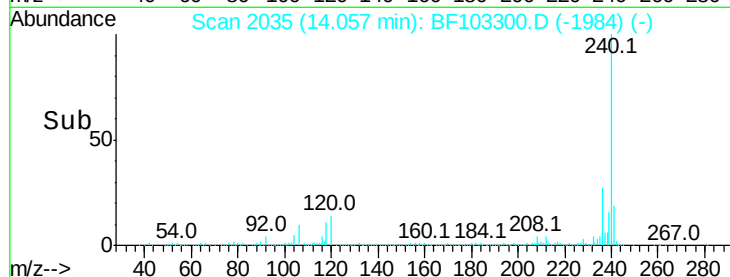
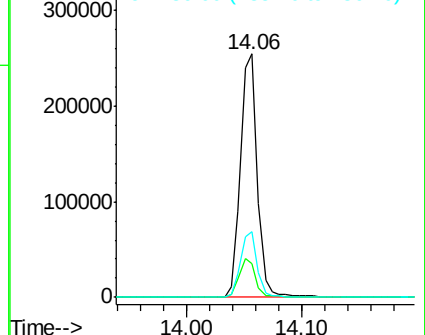
236 27.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.436 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103300.D

Acq: 28 Feb 2018 18:30

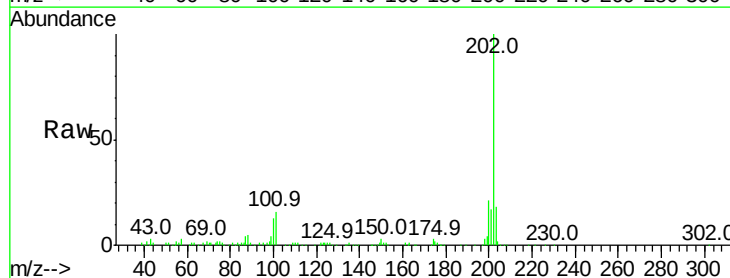
Tgt Ion:202 Resp: 110075

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

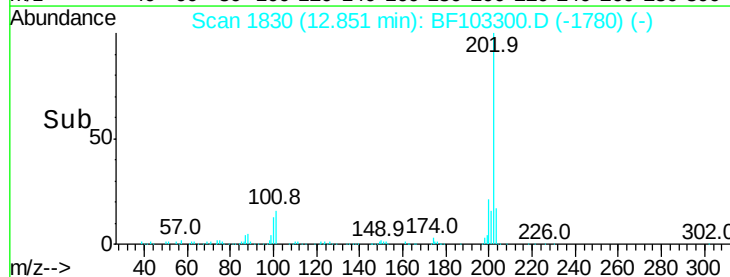
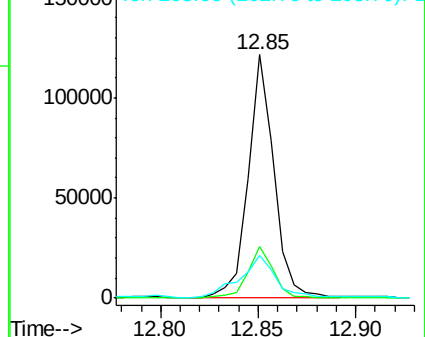
203 17.8 14.3 21.5

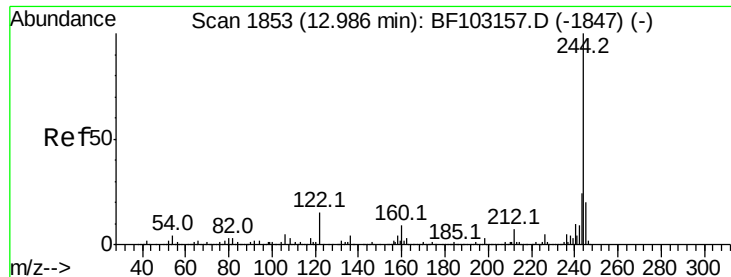


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.460 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103300.D

Acq: 28 Feb 2018 18:30

Instrument :

BNA_F

ClientSampleId :

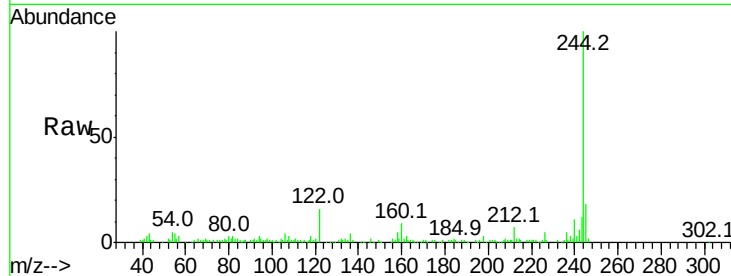
Tot Ion:244 Resp: 69791

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

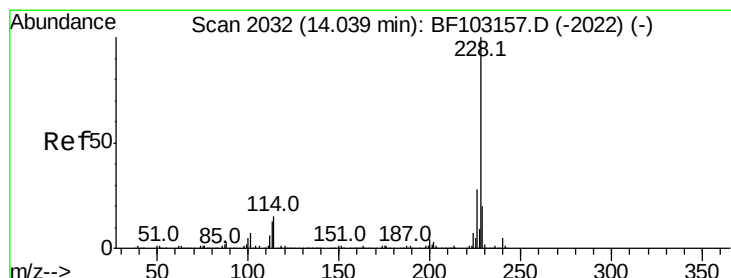
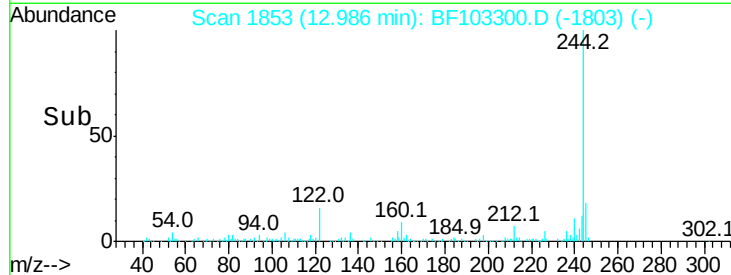
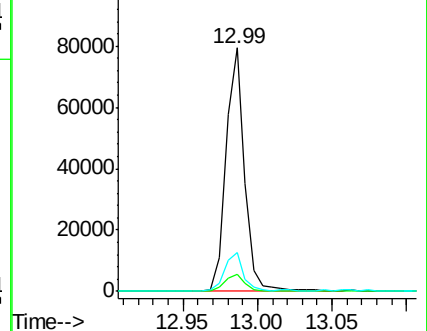
122 16.1 11.0 16.4



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: 3.014 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF103300.D

Acq: 28 Feb 2018 18:30

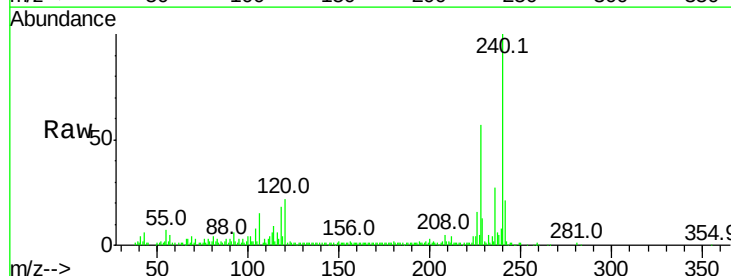
Tgt Ion:228 Resp: 50781

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

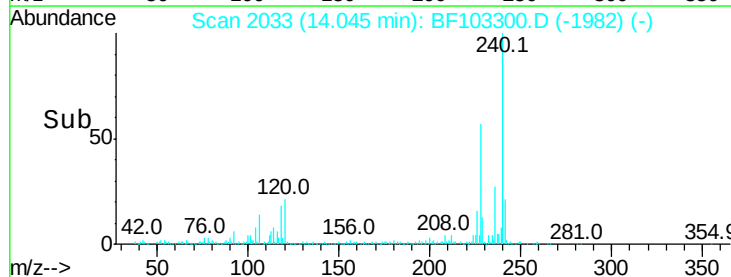
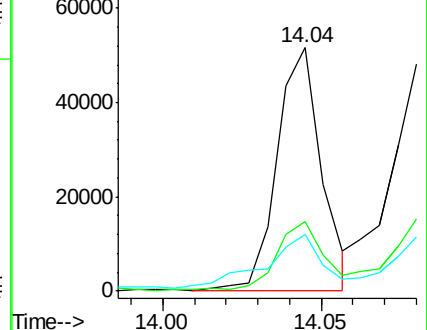
229 23.4 15.8 23.6

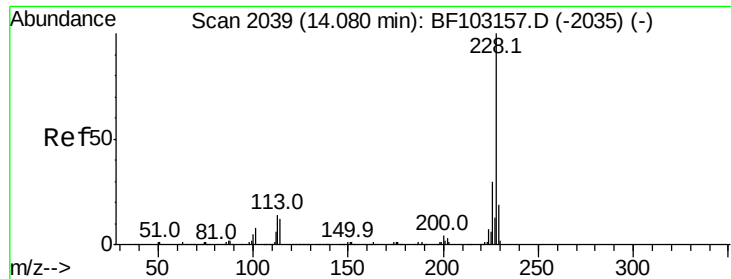


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

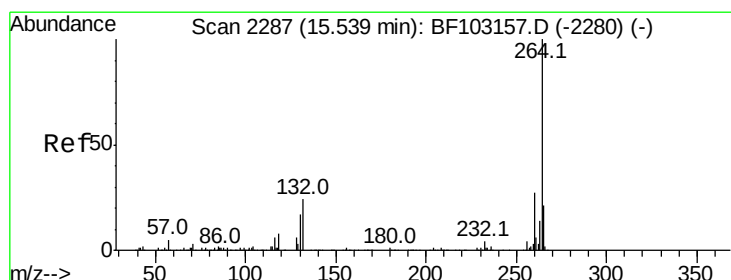
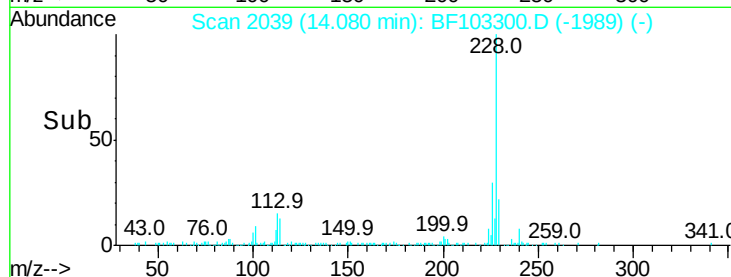
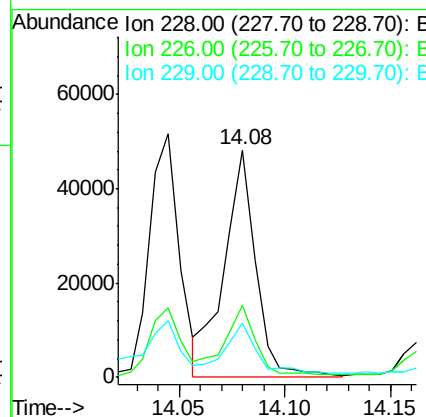
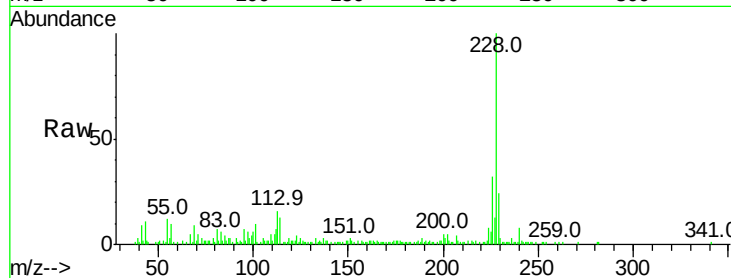




#82
Chrysene
Concen: 3.041 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103300.D
Acq: 28 Feb 2018 18:30

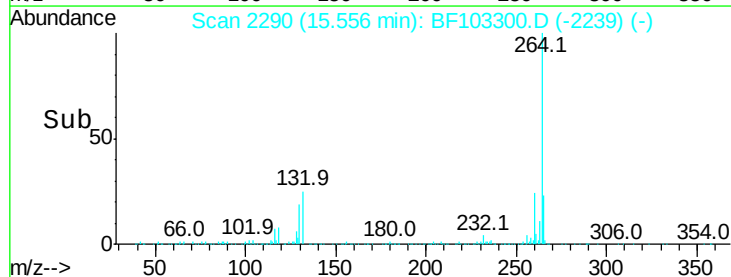
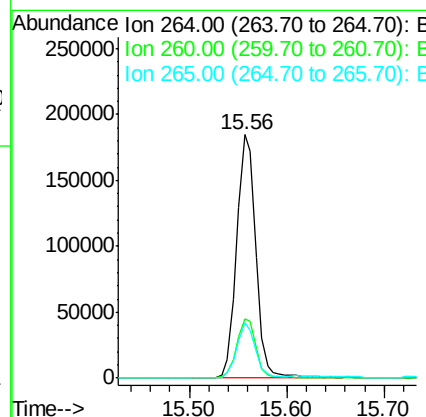
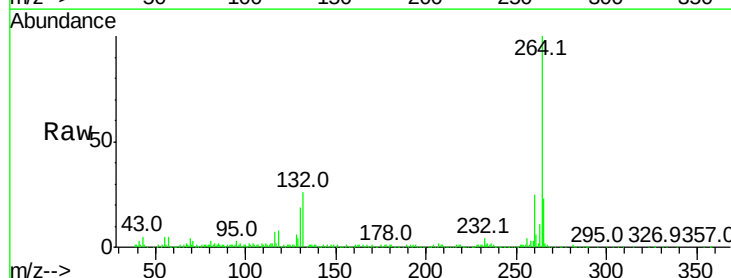
Instrument :
BNA_F
ClientSampleId :

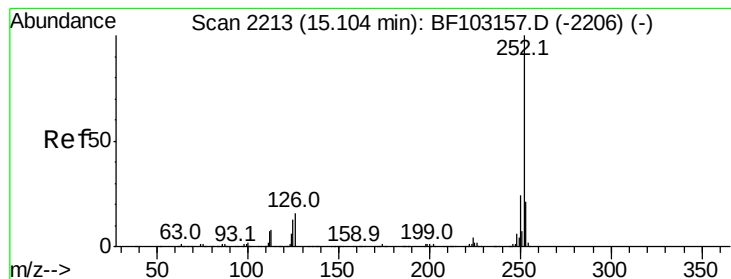
Tot Ion:228 Resp: 49763
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 23.7 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF103300.D
Acq: 28 Feb 2018 18:30

Tgt Ion:264 Resp: 253179
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.784 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BF103300.D

Acq: 28 Feb 2018 18:30

Instrument :

BNA_F

ClientSampleId :

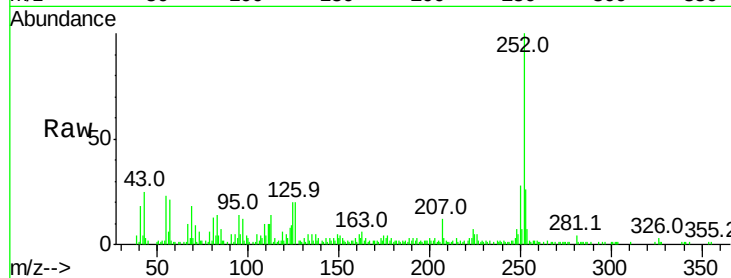
Tot Ion:252 Resp: 79642

Ion Ratio Lower Upper

252 100

253 25.6 17.0 25.6#

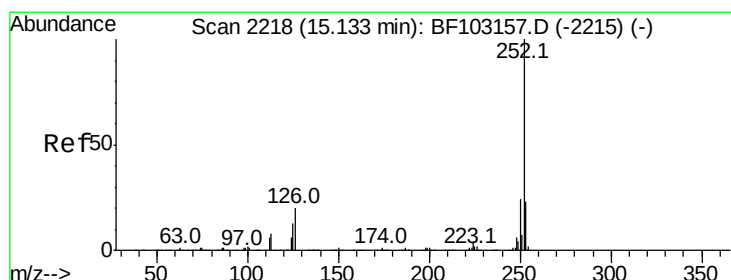
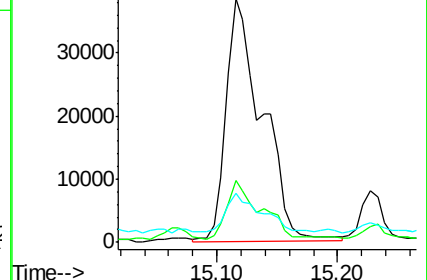
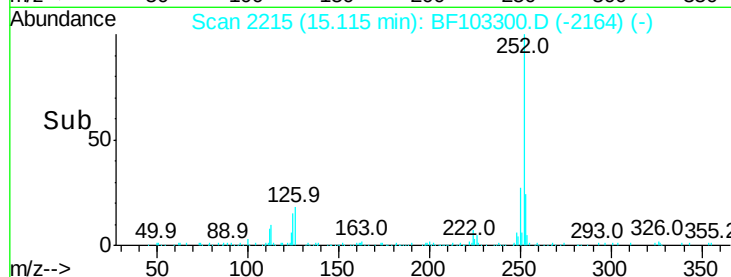
125 20.3 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 5.081 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.04 min

Lab File: BF103300.D

Acq: 28 Feb 2018 18:30

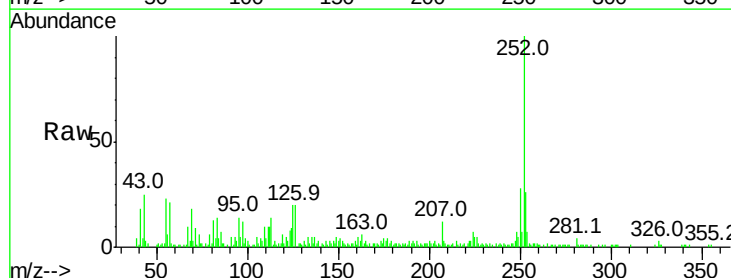
Tgt Ion:252 Resp: 79642

Ion Ratio Lower Upper

252 100

253 25.6 17.9 26.9

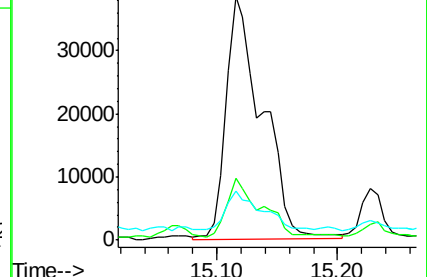
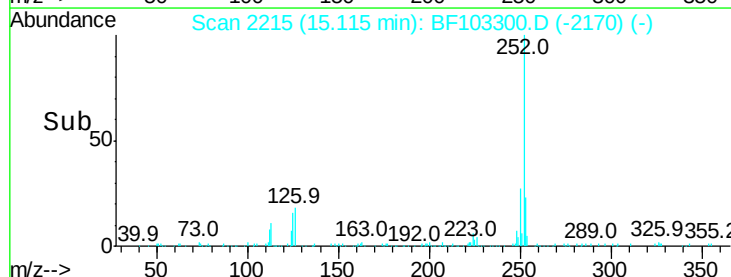
125 20.3 10.2 15.2#

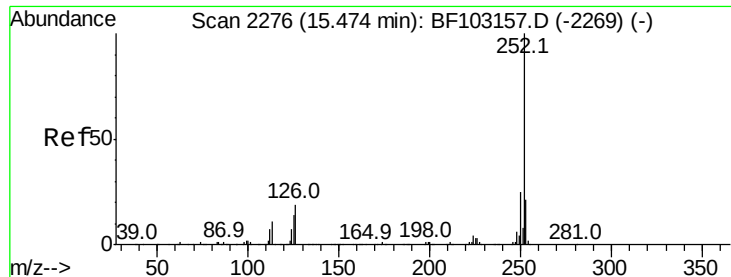


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.711 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF103300.D

Acq: 28 Feb 2018 18:30

Instrument :

BNA_F

ClientSampleId :

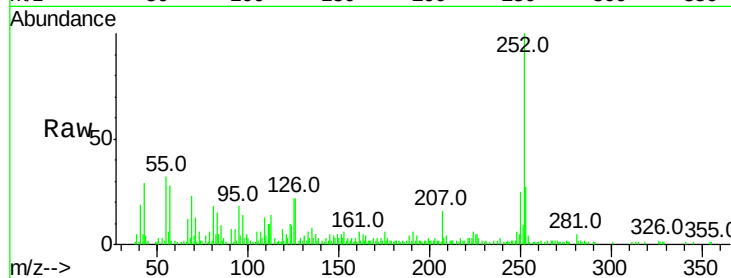
Tot Ion:252 Resp: 40295

Ion Ratio Lower Upper

252 100

253 26.6 17.1 25.7#

125 22.0 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

