

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101534.D
 Acq On : 19 Dec 2017 20:36
 Operator : SJ/JU
 Sample : I6682-05 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-121817-C

Quant Time: Dec 20 06:59:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

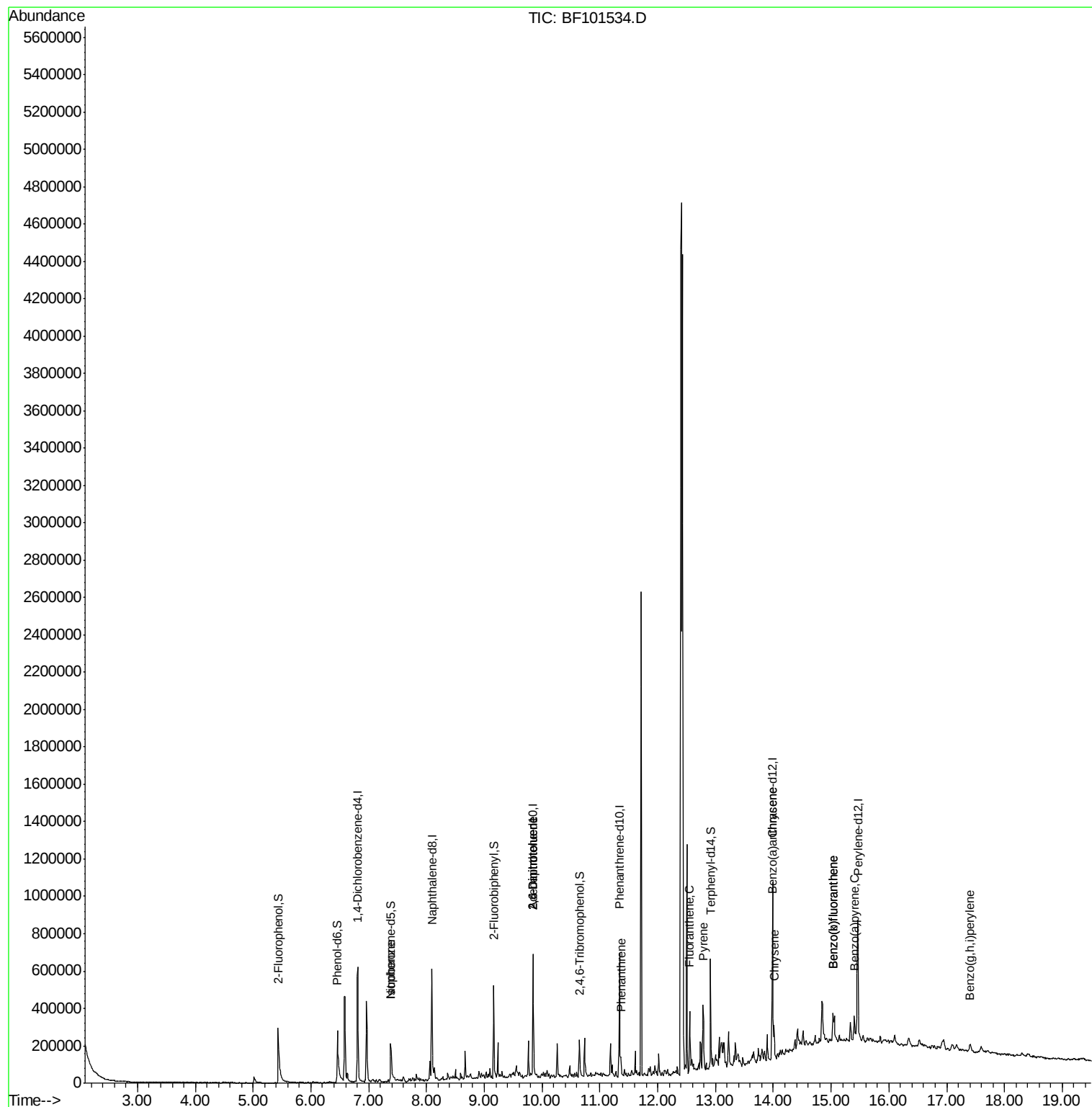
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	104069	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	335146	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	125304	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	247903	20.00	ng	0.00
75) Chrysene-d12	13.99	240	295507	20.00	ng	0.00
86) Perylene-d12	15.46	264	325837	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	162912	23.32	ng	0.01
7) Phenol-d6	6.46	99	187753	21.59	ng	0.00
23) Nitrobenzene-d5	7.38	82	111349	18.49	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	29510	24.44	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	167138	20.69	ng	0.00
78) Terphenyl-d14	12.92	244	178383	14.55	ng	0.00
Target Compounds						
25) Isophorone	7.38	82	111349	9.219	ng	# 65
50) 2,6-Dinitrotoluene	9.85	165	17778	8.679	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	17778	7.703	ng	# 24
70) Phenanthrene	11.36	178	31216	2.264	ng	99
74) Fluoranthene	12.56	202	114471	7.911	ng	97
77) Pyrene	12.79	202	135298	6.101	ng	100
80) Benzo(a)anthracene	13.97	228	79194	4.059	ng	97
82) Chrysene	14.02	228	75099	4.076	ng	98
87) Benzo(b)fluoranthene	15.03	252	113458	5.713	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	113458	5.876	ng	97
89) Benzo(a)pyrene	15.40	252	67346	3.678	ng	# 94
91) Benzo(a,h,i)perylene	17.40	276	32865	2.111	ng	# 93

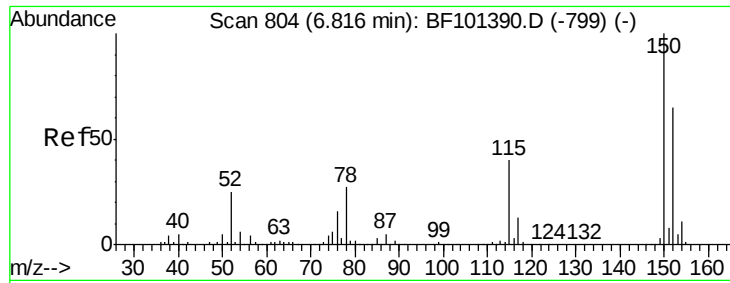
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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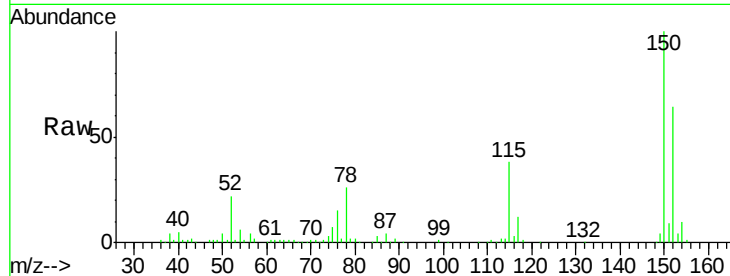


#1

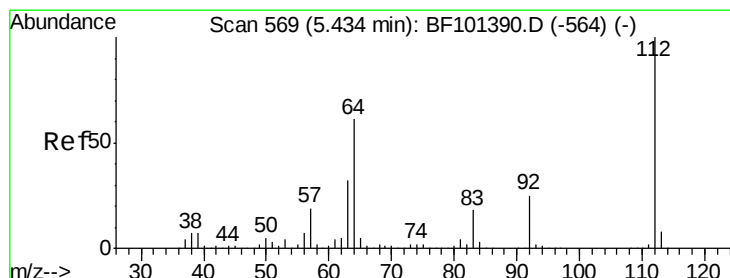
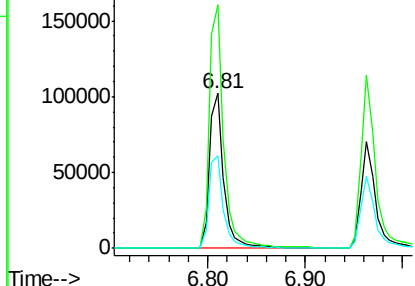
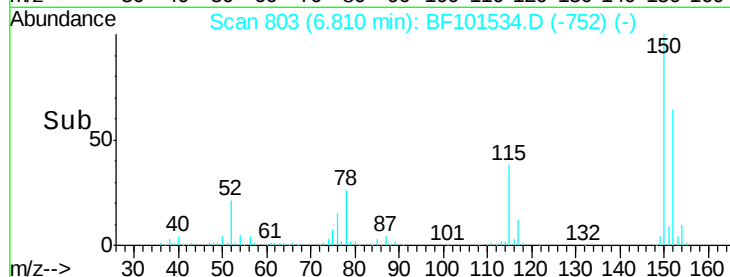
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF101534.D
Acq: 19 Dec 2017 20:36

Instrument :
BNA_F
ClientSampleId :
NB-01-121817-C

Tot Ion:152 Resp: 104069
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 59.9 50.1 75.1



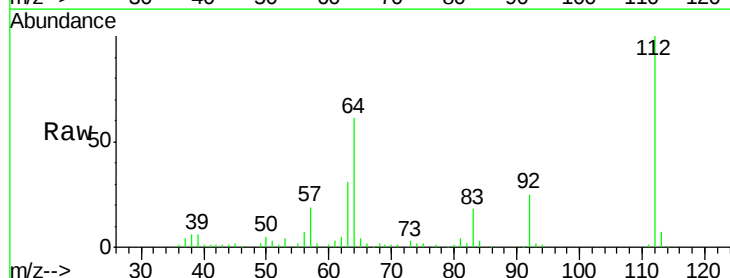
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



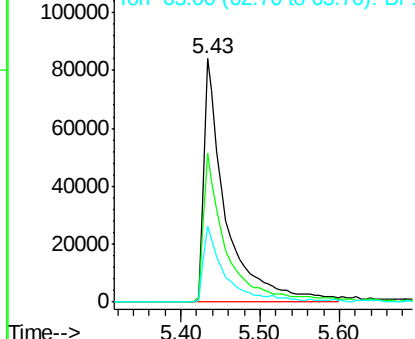
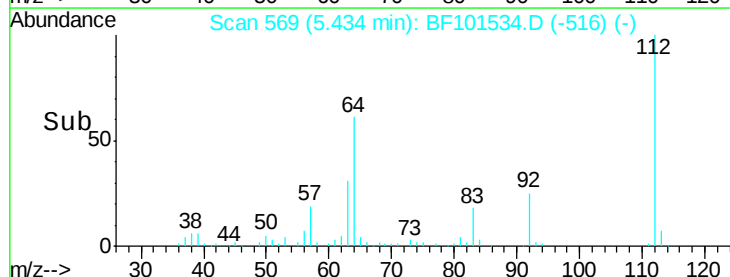
#5

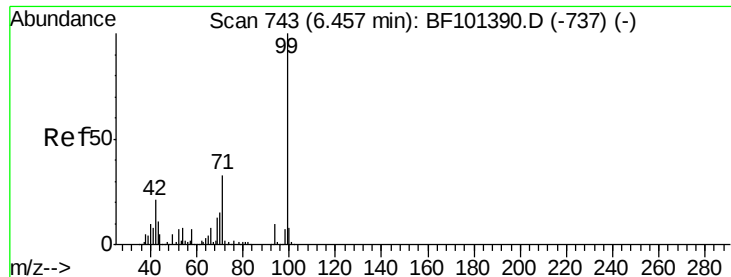
2-Fluorophenol
Concen: 23.318 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101534.D
Acq: 19 Dec 2017 20:36

Tgt Ion:112 Resp: 162912
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 31.0 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: 21.593 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

Instrument :

BNA_F

ClientSampleId :

NB-01-121817-C

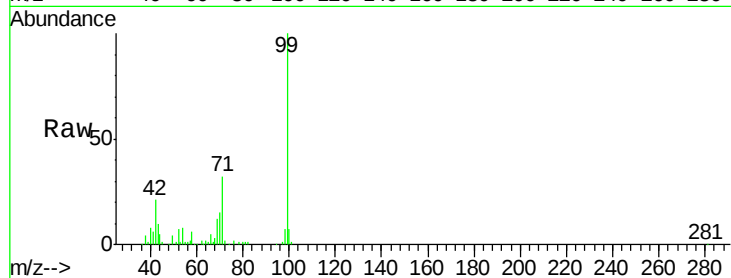
Tot Ion: 99 Resp: 187753

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

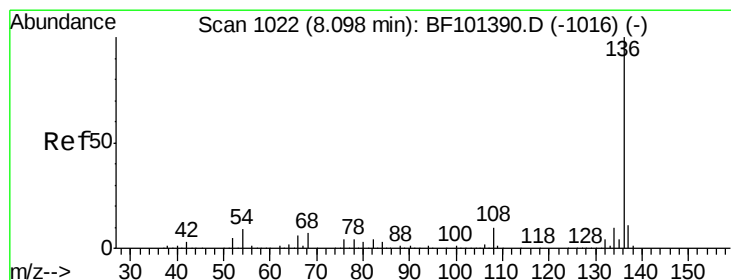
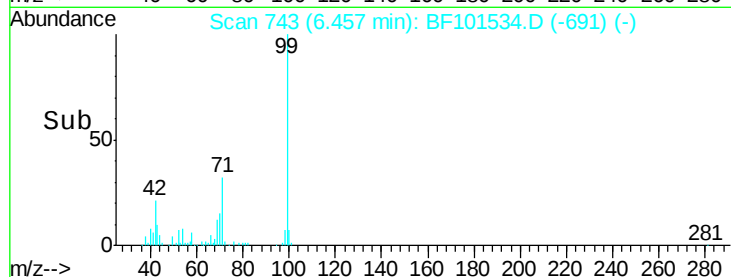
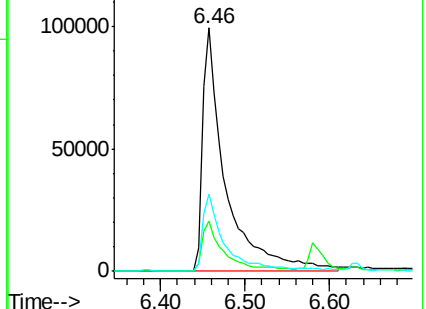
71 31.7 25.4 38.0



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: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

Tgt Ion: 136 Resp: 335146

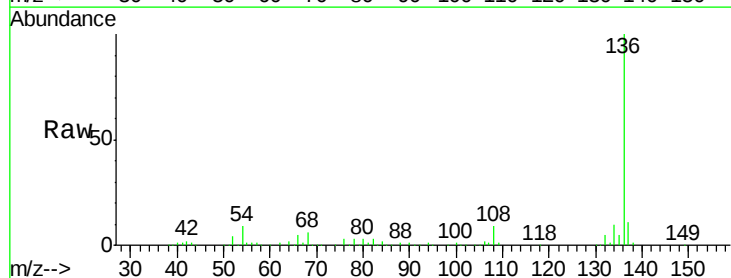
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.6 6.6 9.8

68 6.4 5.0 7.4

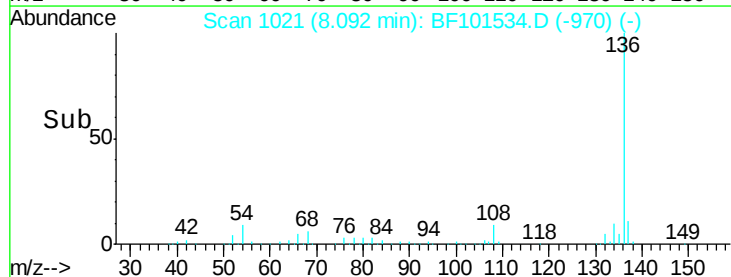
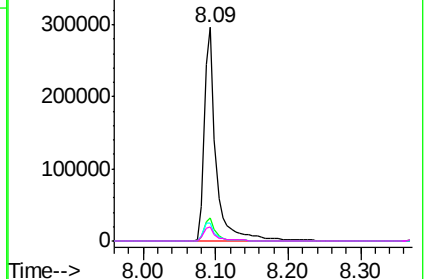


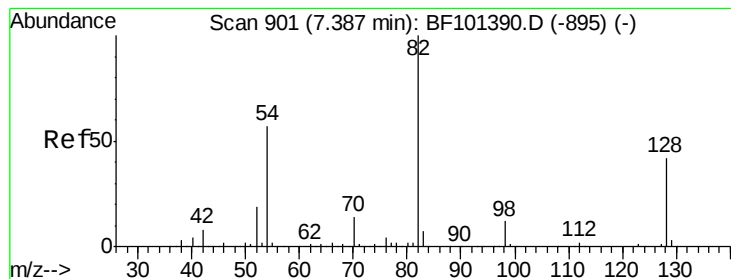
Abundance Ion 136.00 (135.70 to 136.70): E

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: 18.494 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.00 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

Instrument :

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ClientSampleId :

NB-01-121817-C

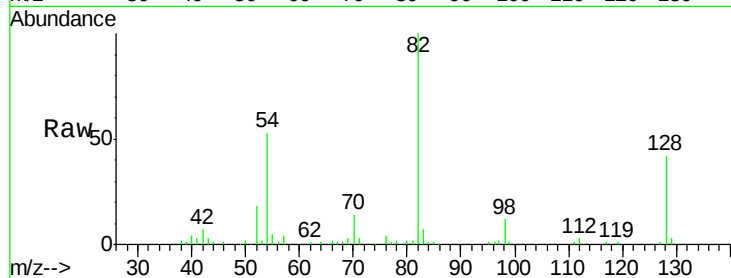
Tot Ion: 82 Resp: 111349

Ion Ratio Lower Upper

82 100

128 42.4 36.1 54.1

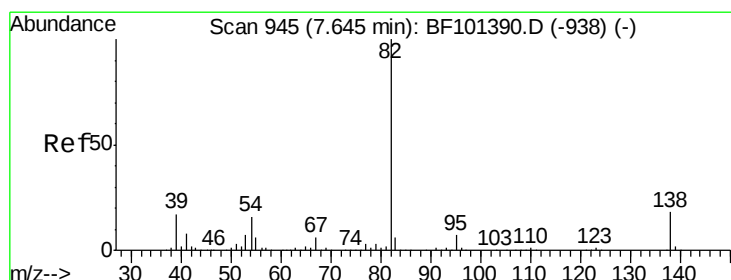
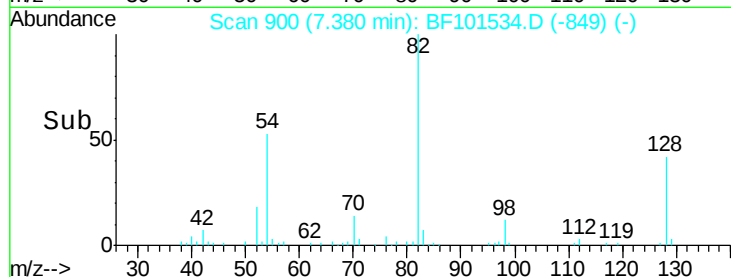
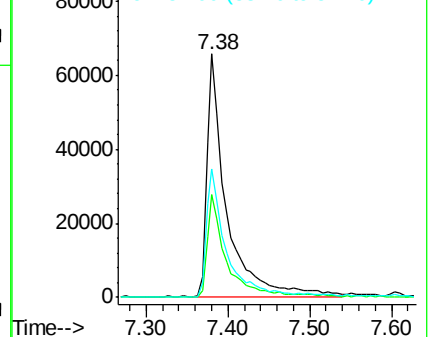
54 52.8 41.4 62.2



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: 9.219 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

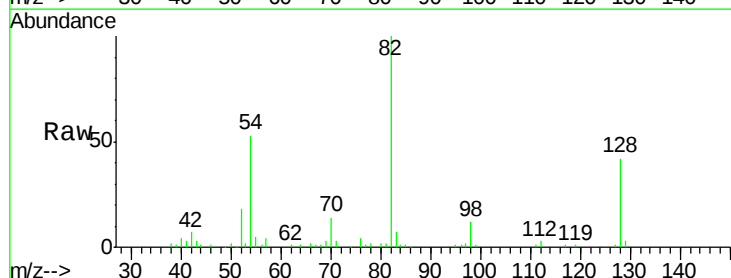
Tgt Ion: 82 Resp: 111349

Ion Ratio Lower Upper

82 100

95 0.6 5.2 7.8#

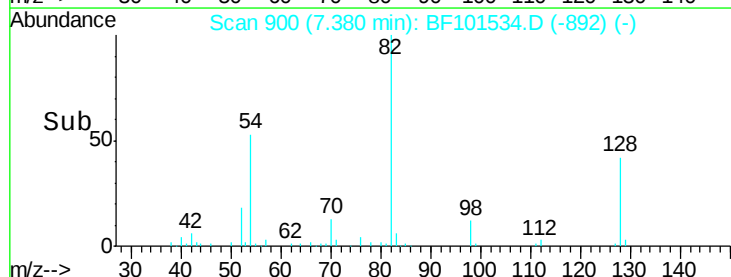
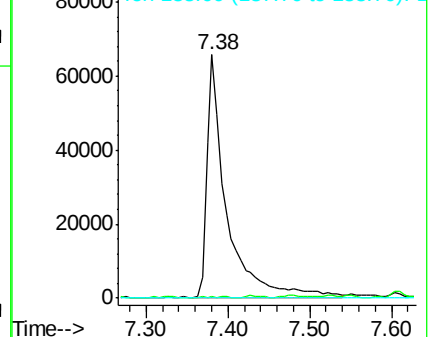
138 0.0 14.9 22.3#

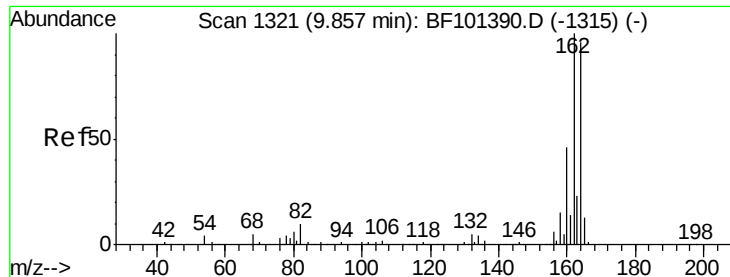


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

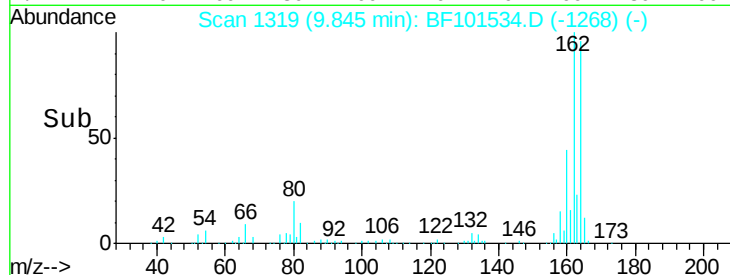
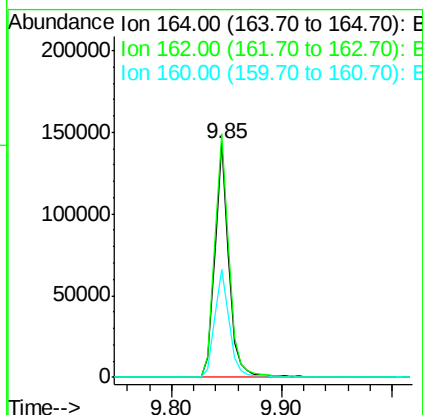
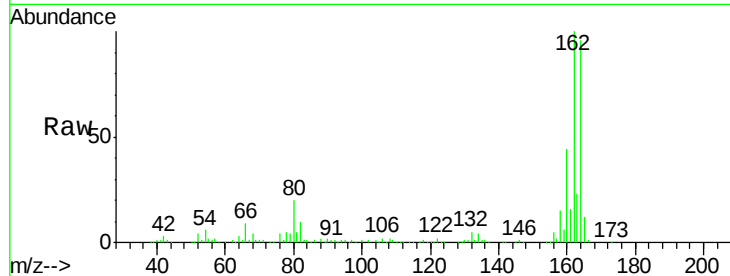




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF101534.D
 Acq: 19 Dec 2017 20:36

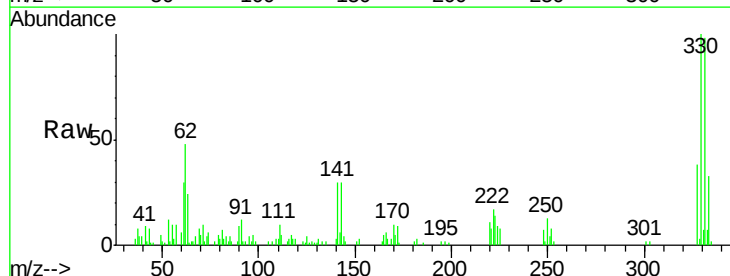
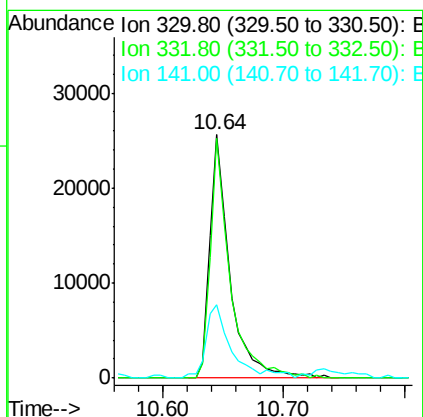
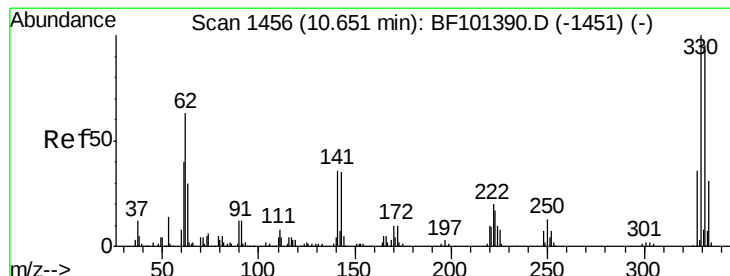
Instrument :
 BNA_F
 ClientSampleId :
 NB-01-121817-C

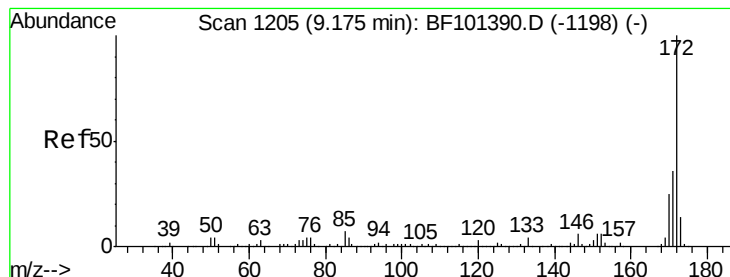
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	46.1	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 24.441 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF101534.D
 Acq: 19 Dec 2017 20:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	38.1	29.9	44.9





#44

2-Fluorobiphenyl

Concen: 20.691 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

Instrument :

BNA_F

ClientSampleId :

NB-01-121817-C

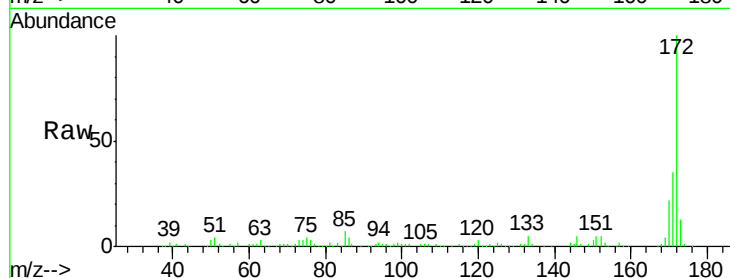
Tot Ion:172 Resp: 167138

Ion Ratio Lower Upper

172 100

171 34.8 29.7 44.5

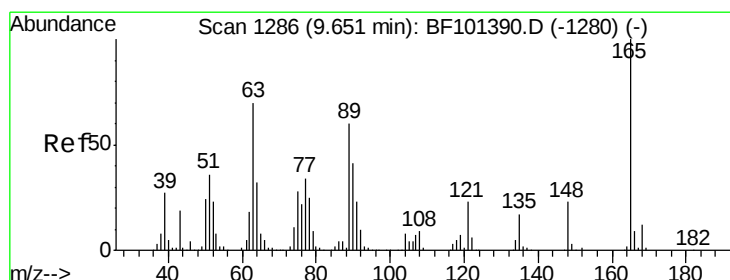
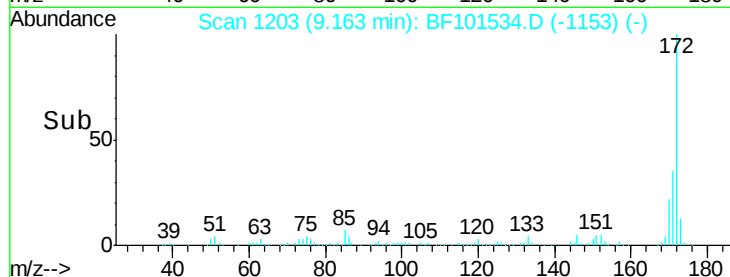
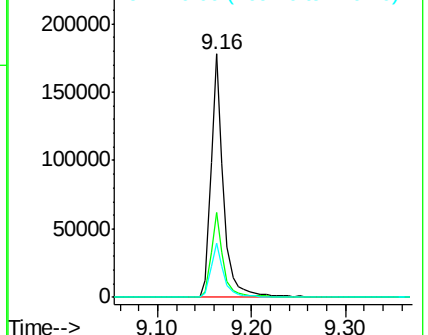
170 22.2 19.6 29.4



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: 8.679 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.20 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

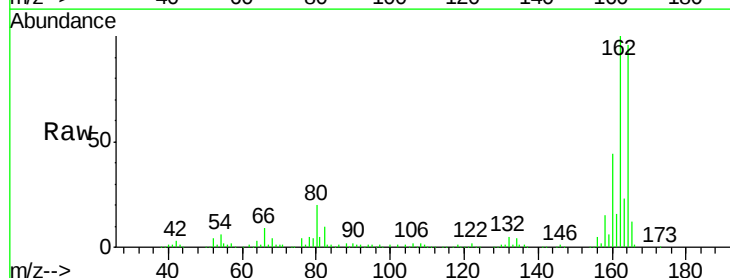
Tgt Ion:165 Resp: 17778

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

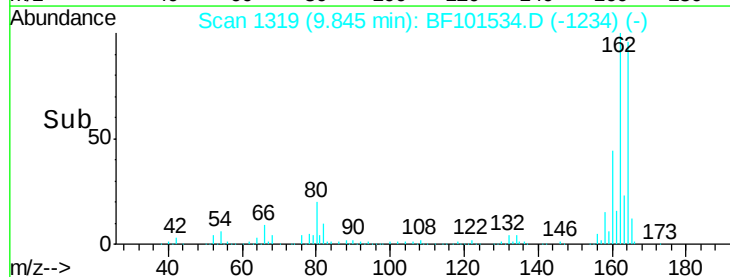
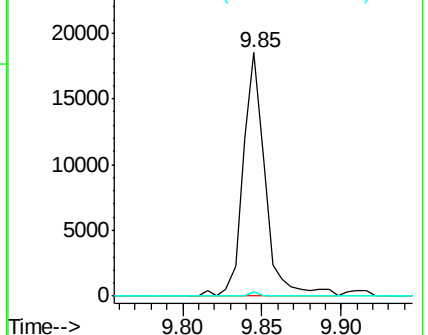
89 1.6 44.0 66.0#

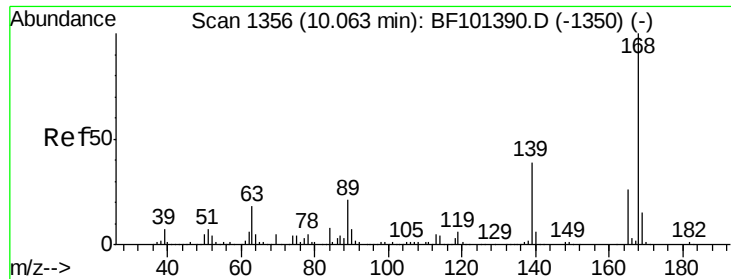


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#56

2,4-Dinitrotoluene

Concen: 7.703 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

Instrument :

BNA_F

ClientSampleId :

NB-01-121817-C

Tot Ion:165 Resp: 17778

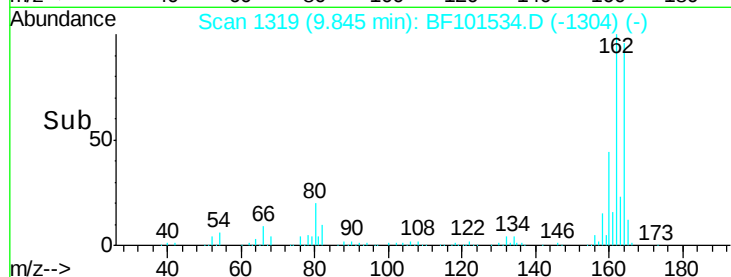
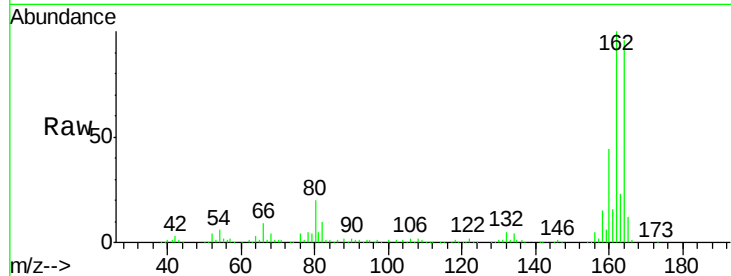
Ion Ratio Lower Upper

165 100

63 1.8 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

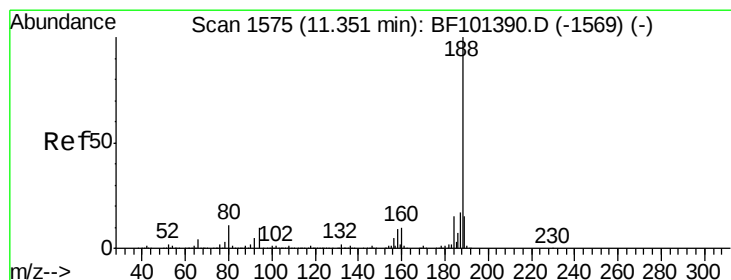
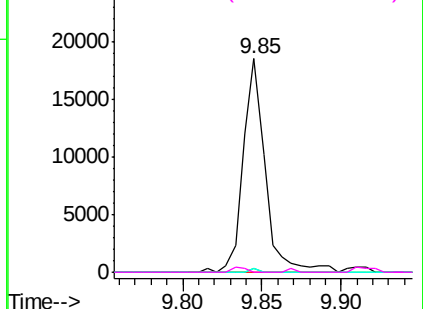


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

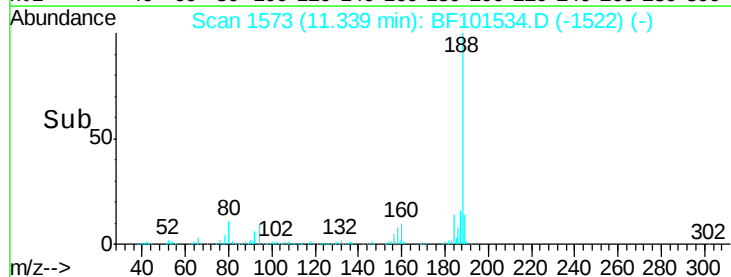
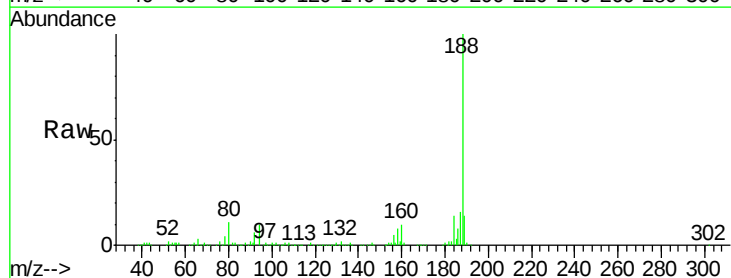
Tgt Ion:188 Resp: 247903

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

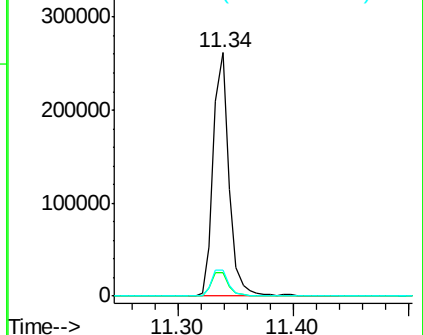
80 10.7 9.2 13.8

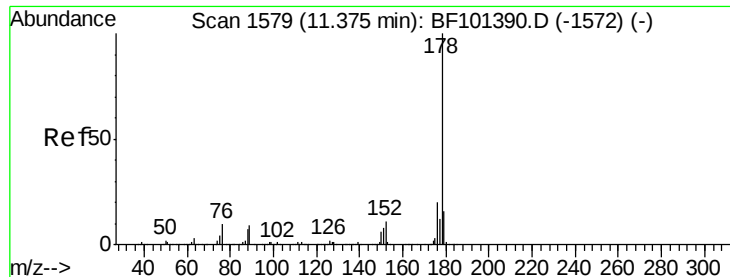


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

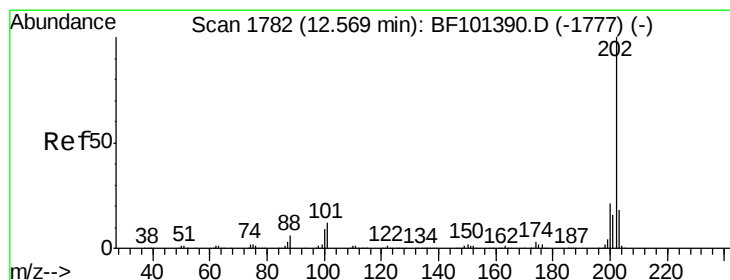
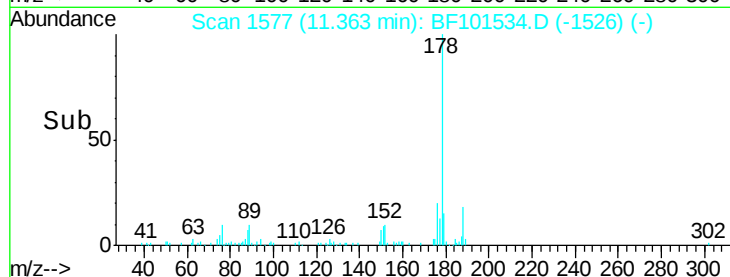
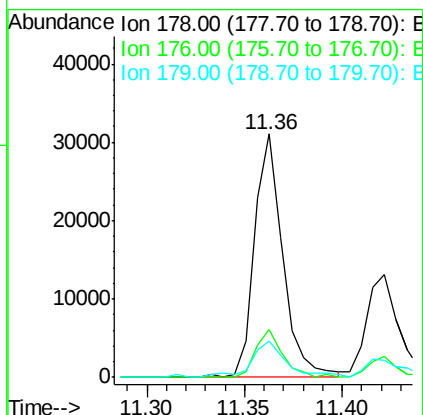
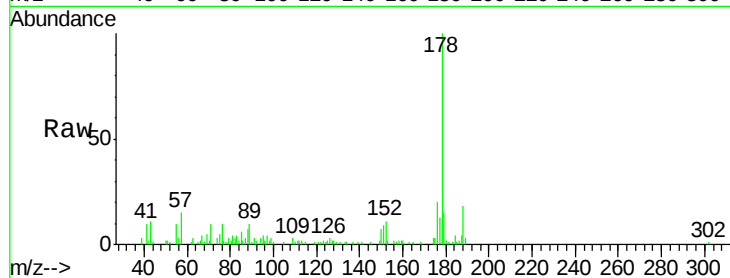




#70
Phenanthrene
Concen: 2.264 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF101534.D
Acq: 19 Dec 2017 20:36

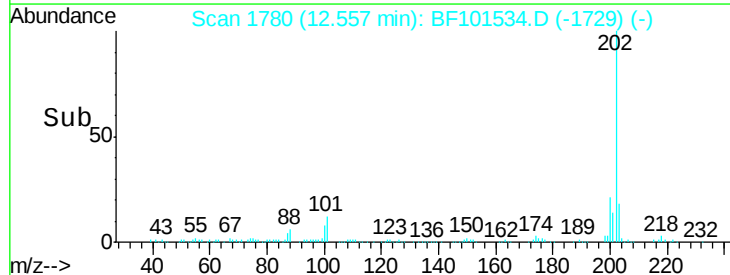
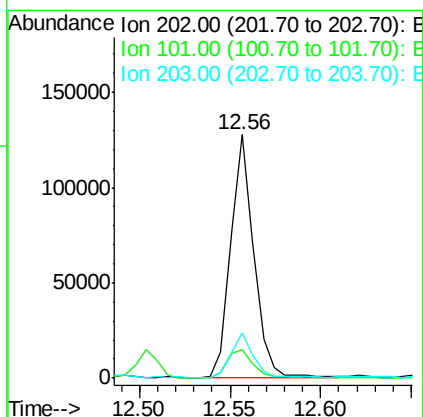
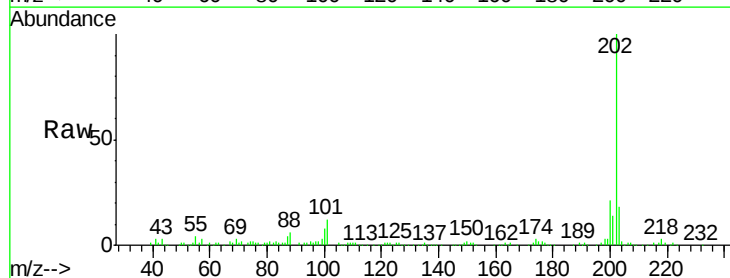
Instrument :
BNA_F
ClientSampleId :
NB-01-121817-C

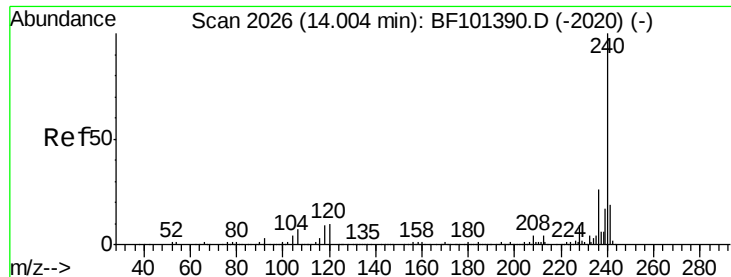
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.1	13.0	19.6



#74
Fluoranthene
Concen: 7.911 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.00 min
Lab File: BF101534.D
Acq: 19 Dec 2017 20:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.1
203	18.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

Instrument :

BNA_F

ClientSampleId :

NB-01-121817-C

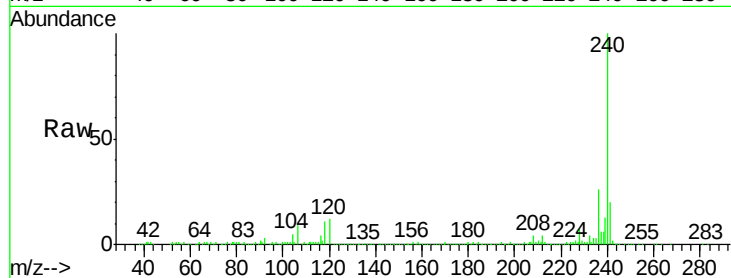
Tot Ion:240 Resp: 295507

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

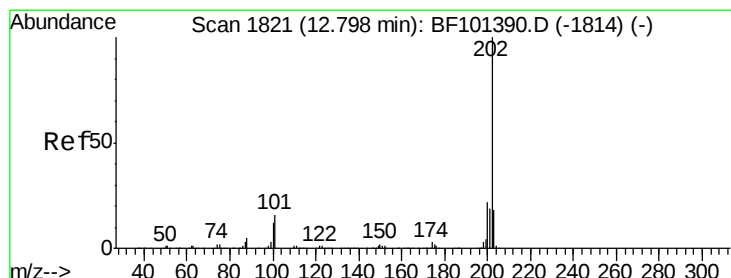
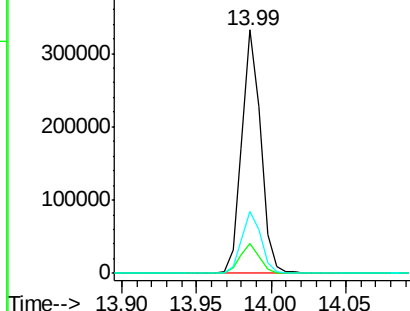
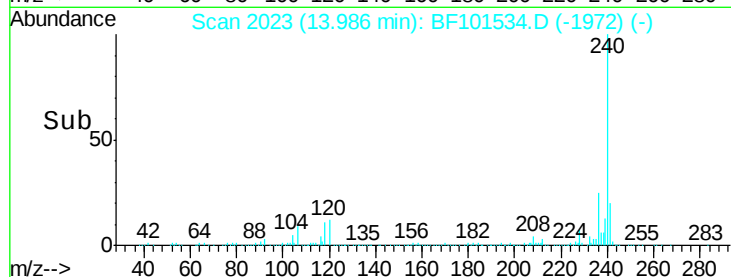
236 25.5 20.7 31.1



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: 6.101 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

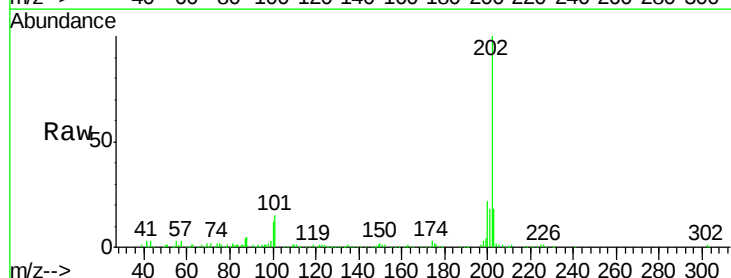
Tgt Ion:202 Resp: 135298

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

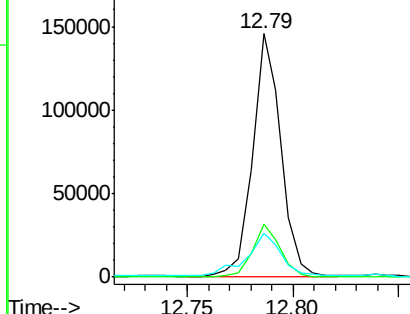
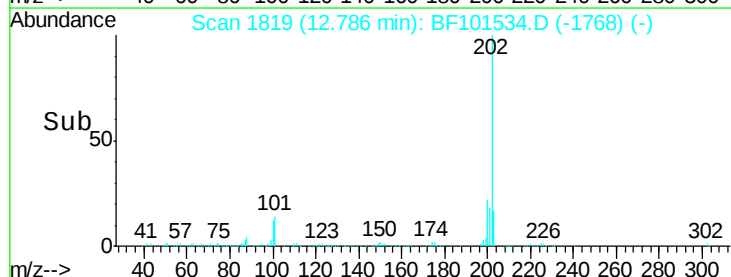
203 17.8 14.3 21.5

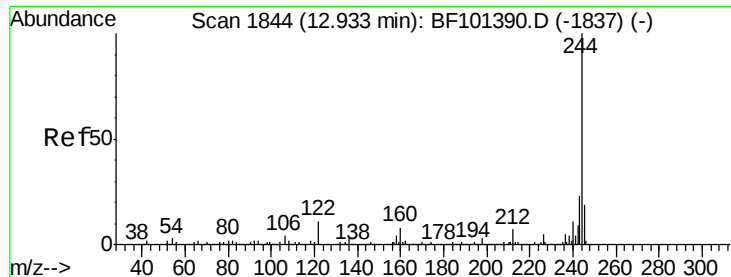


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

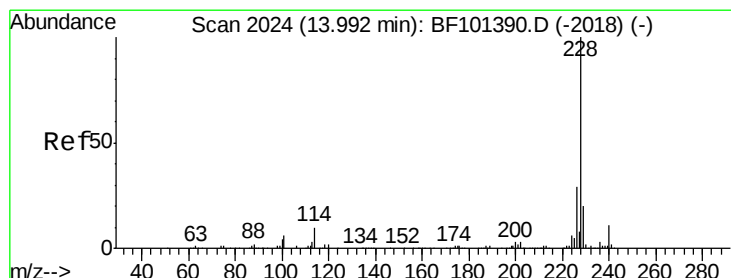
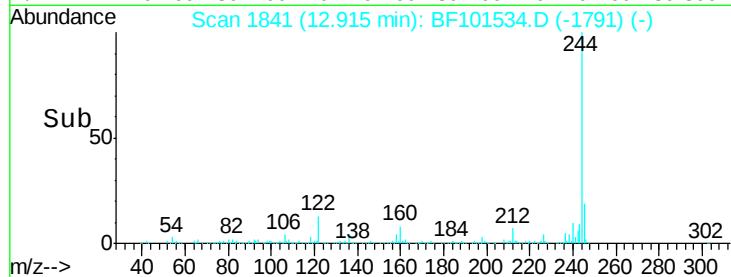
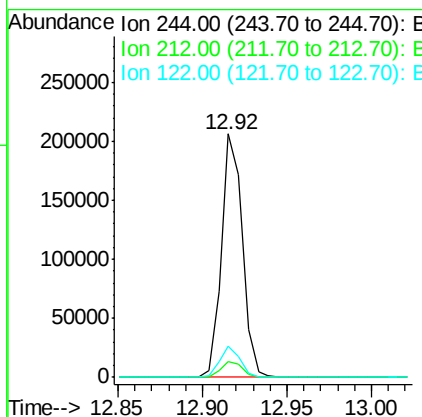
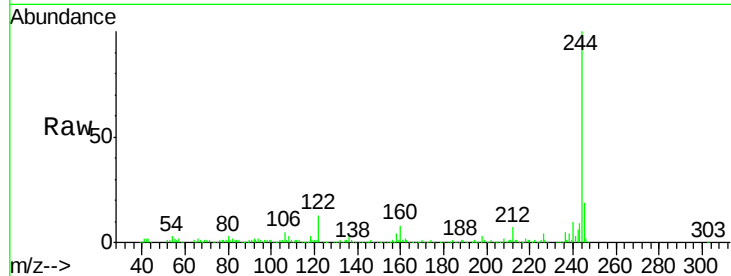




#78
 Terphenyl-d14
 Concen: 14.553 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF101534.D
 Acq: 19 Dec 2017 20:36

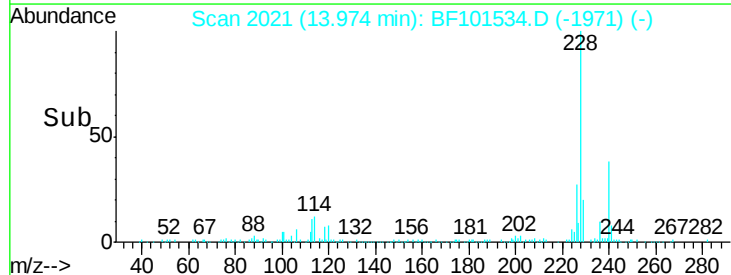
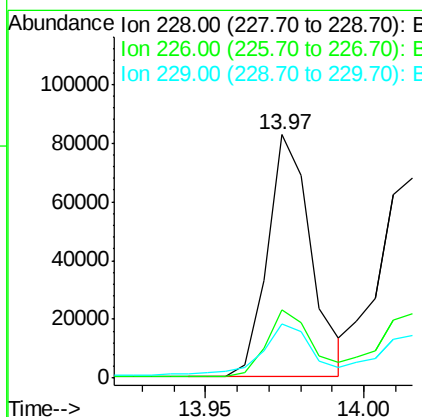
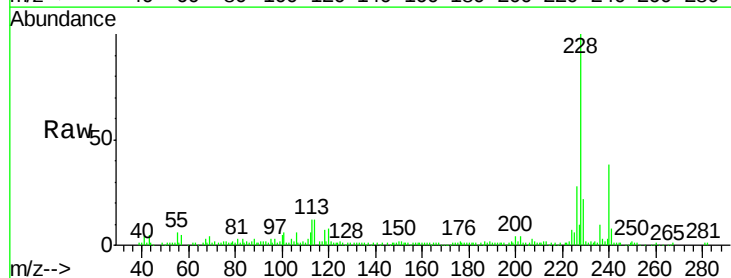
Instrument :
 BNA_F
 ClientSampleId :
 NB-01-121817-C

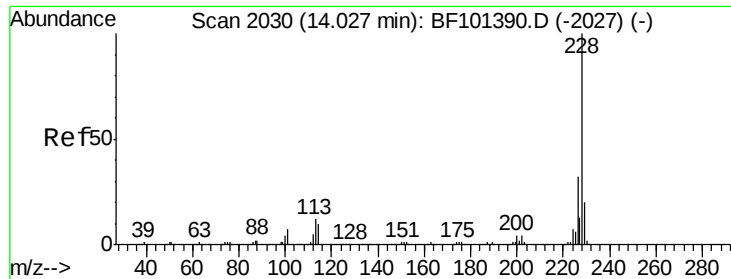
Tot Ion:244 Resp: 178383
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.9 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.059 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF101534.D
 Acq: 19 Dec 2017 20:36

Tgt Ion:228 Resp: 79194
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.6 33.8
 229 22.1 15.8 23.6

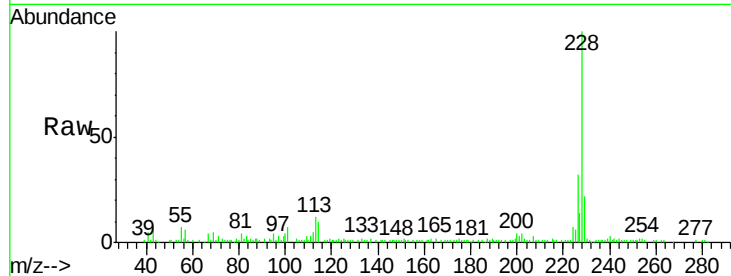




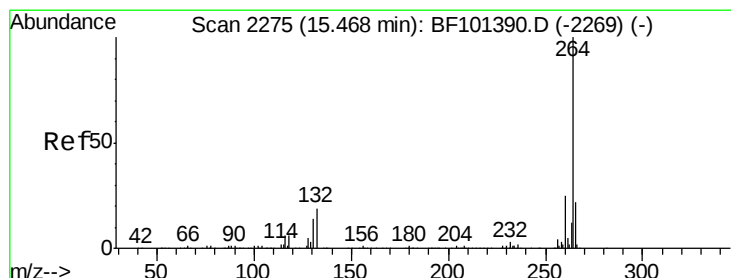
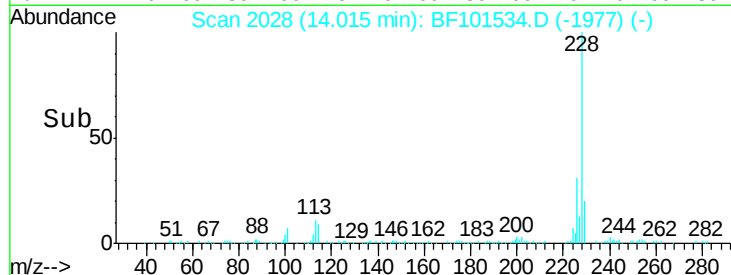
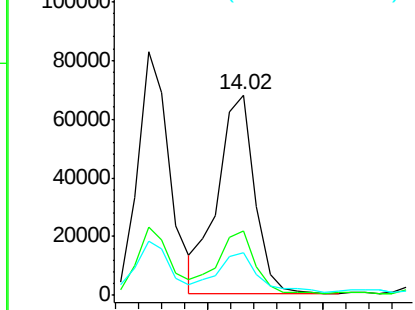
#82
 Chrysene
 Concen: 4.076 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BF101534.D
 Acq: 19 Dec 2017 20:36

Instrument :
 BNA_F
 ClientSampleID :
 NB-01-121817-C

Tot Ion:228 Resp: 75099
 Ion Ratio Lower Upper
 228 100
 226 32.4 25.0 37.6
 229 21.5 16.2 24.4

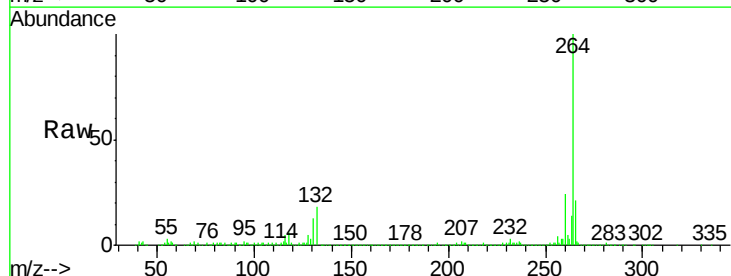


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

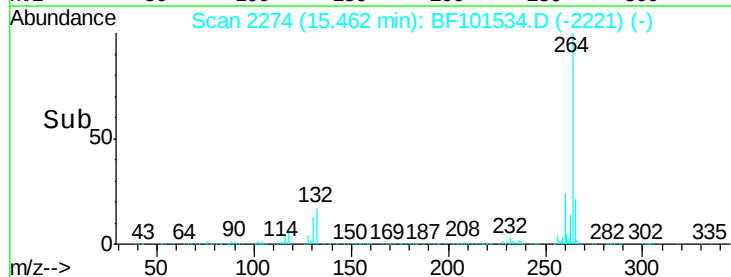
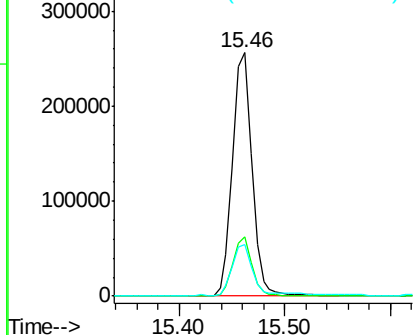


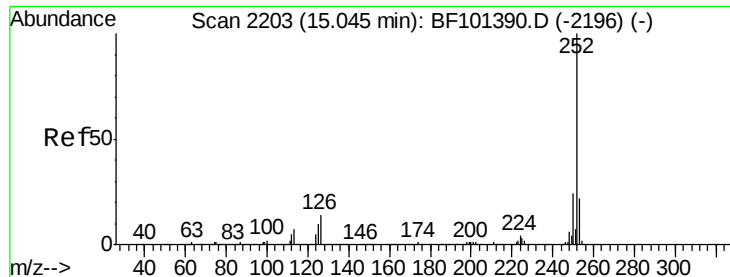
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF101534.D
 Acq: 19 Dec 2017 20:36

Tgt Ion:264 Resp: 325837
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.2 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: 5.713 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

Instrument :

BNA_F

ClientSampleId :

NB-01-121817-C

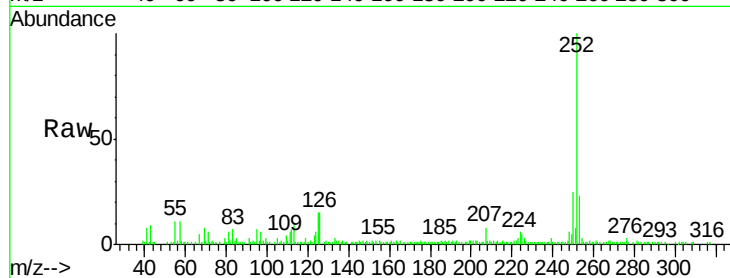
Tot Ion:252 Resp: 113458

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

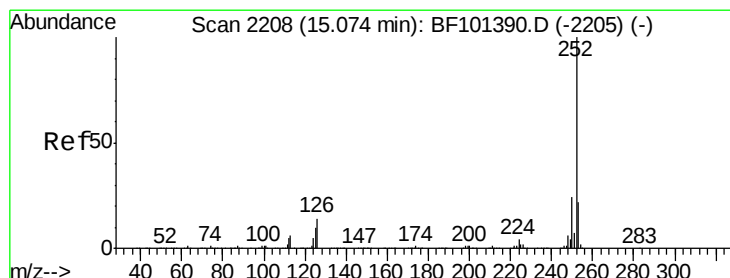
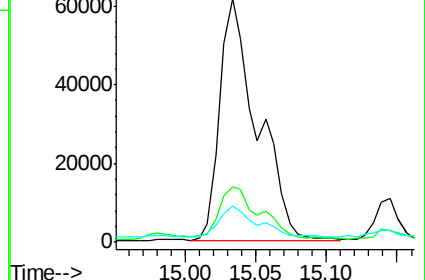
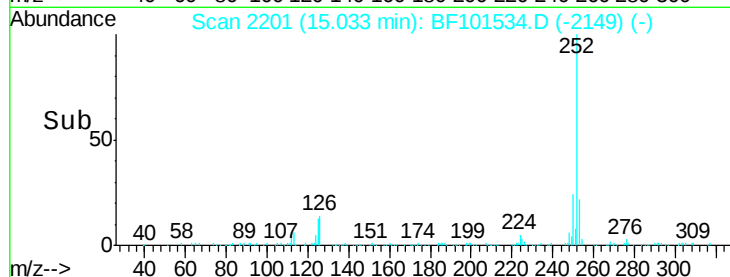
125 14.9 9.0 13.6#



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: 5.876 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

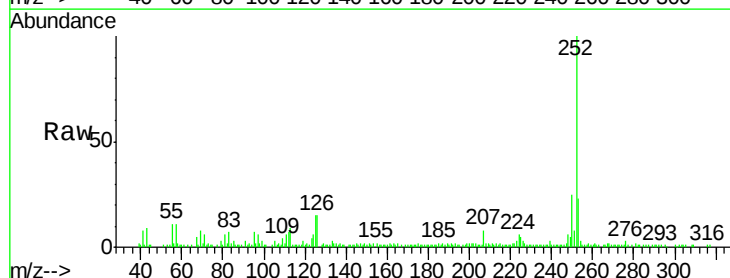
Tgt Ion:252 Resp: 113458

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

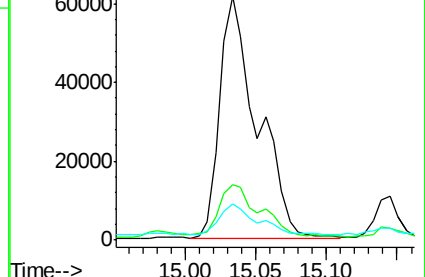
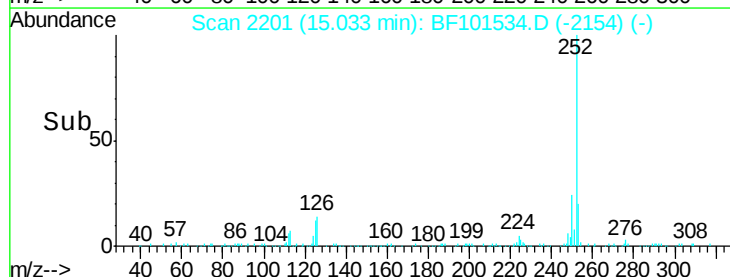
125 14.9 10.2 15.2

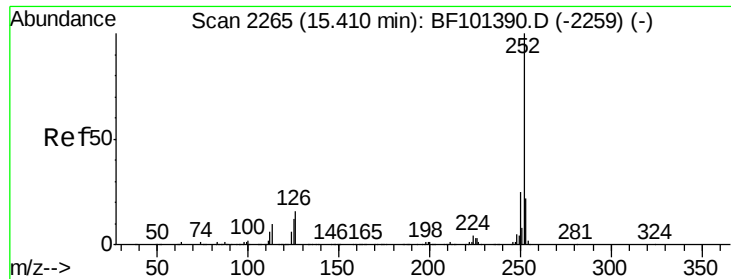


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.678 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

Instrument :

BNA_F

ClientSampleId :

NB-01-121817-C

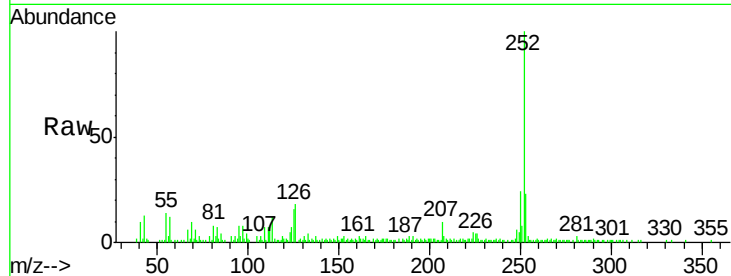
Tot Ion:252 Resp: 67346

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

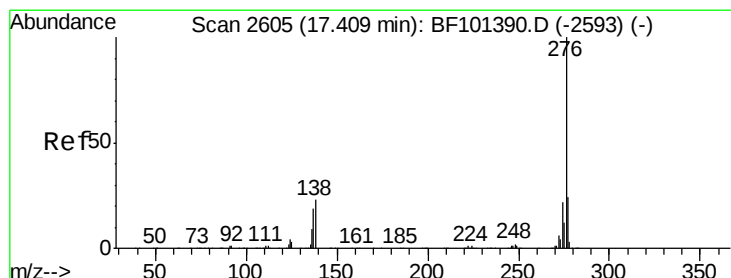
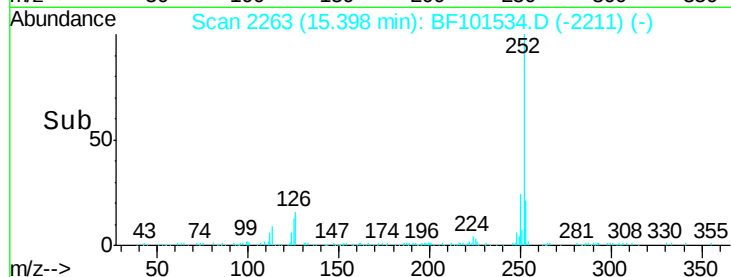
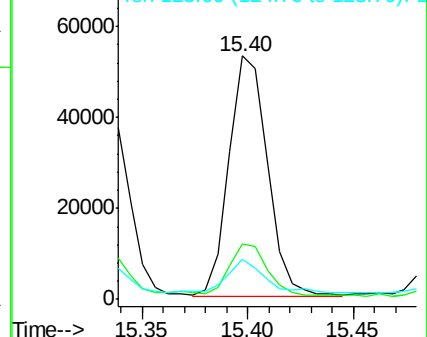
125 16.4 9.8 14.6#



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: 2.111 ng

RT: 17.40 min Scan# 2604

Delta R.T. 0.02 min

Lab File: BF101534.D

Acq: 19 Dec 2017 20:36

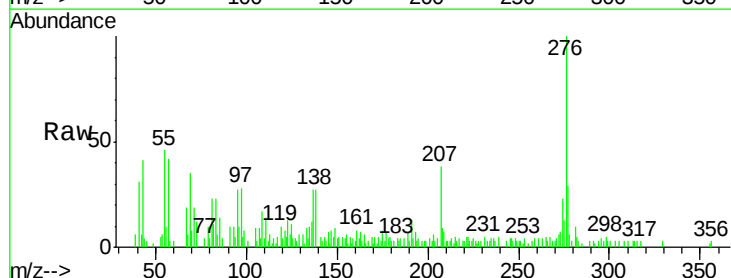
Tgt Ion:276 Resp: 32865

Ion Ratio Lower Upper

276 100

277 29.5 17.9 26.9#

138 27.1 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

