

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121517\
 Data File : BF101452.D
 Acq On : 15 Dec 2017 19:27
 Operator : SJ/JU
 Sample : I6679-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 15 21:45:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

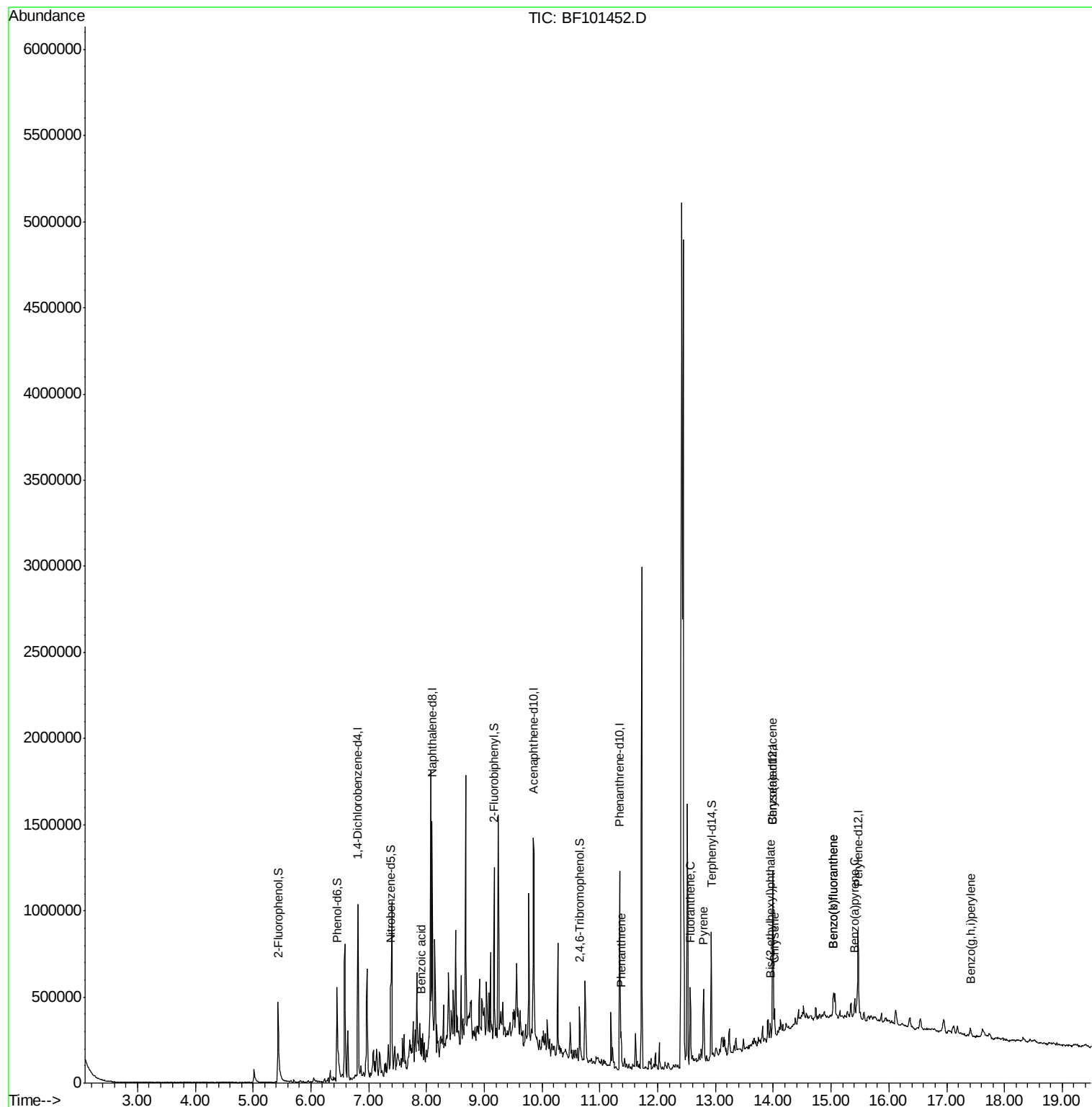
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	164180	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	622409	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	253884	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	409197	20.00	ng	0.00
75) Chrysene-d12	13.99	240	317890	20.00	ng	0.00
86) Perylene-d12	15.47	264	260128	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	221686	20.11	ng	0.00
7) Phenol-d6	6.45	99	284686	20.75	ng	0.00
23) Nitrobenzene-d5	7.38	82	146632	13.11	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	44581	18.22	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	304155	18.58	ng	0.00
78) Terphenyl-d14	12.93	244	233855	17.73	ng	0.00
Target Compounds						
32) Benzoic acid	7.92	122	510	8.031	ng	Qvalue # 1
70) Phenanthrene	11.37	178	64288	2.825	ng	99
74) Fluoranthene	12.56	202	153472	6.425	ng	99
77) Pyrene	12.79	202	162151	6.797	ng	98
80) Benzo(a)anthracene	13.99	228	68069	3.243	ng	97
82) Chrysene	14.02	228	69001	3.482	ng	97
83) Bis(2-ethylhexyl)phthalate	13.95	149	29017	2.122	ng	# 96
87) Benzo(b)fluoranthene	15.04	252	107356	6.771	ng	# 89
88) Benzo(k)fluoranthene	15.04	252	107356	6.964	ng	# 92
89) Benzo(a)pyrene	15.41	252	59631	4.080	ng	# 91
91) Benzo(g,h,i)perylene	17.41	276	32728	2.634	ng	# 91

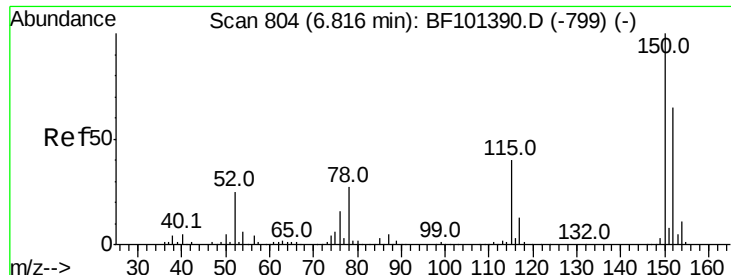
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121517\
Data File : BF101452.D
Acq On : 15 Dec 2017 19:27
Operator : SJ/JU
Sample : I6679-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 15 21:45:53 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 15 17:36:17 2017
Response via : Initial Calibration



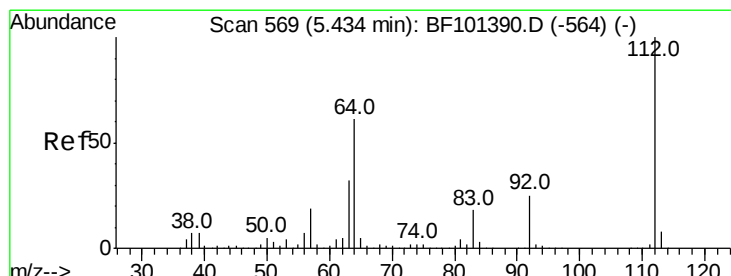
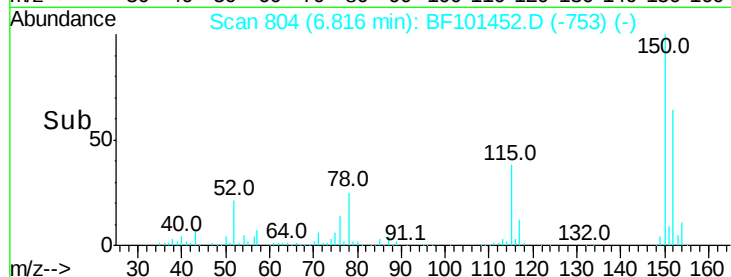
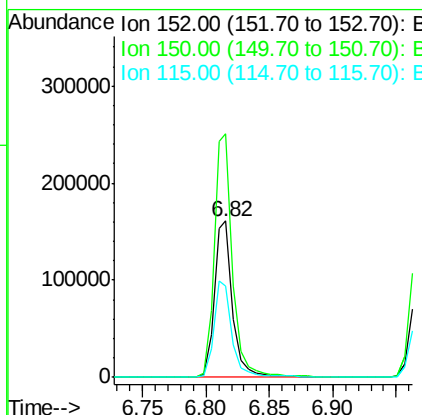
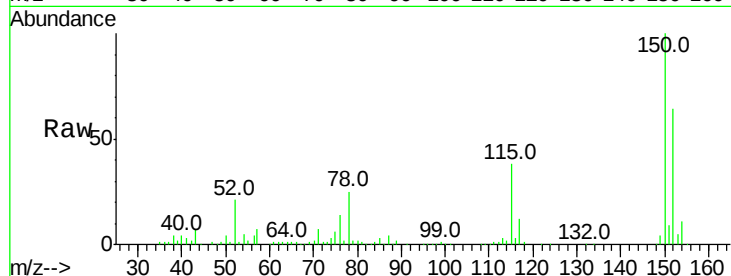


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101452.D
Acq: 15 Dec 2017 19:27

Instrument :
BNA_F
ClientSampleId :

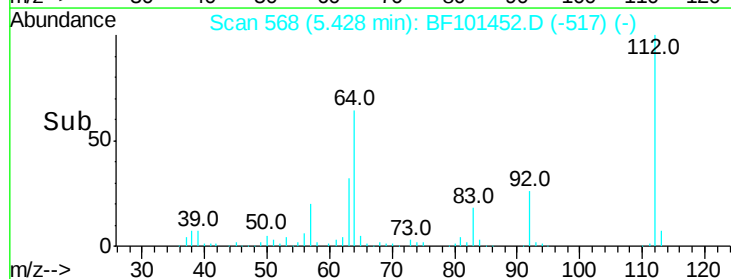
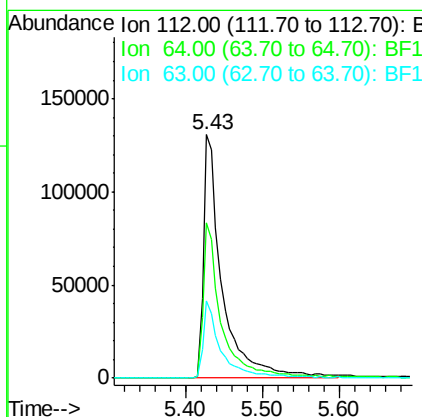
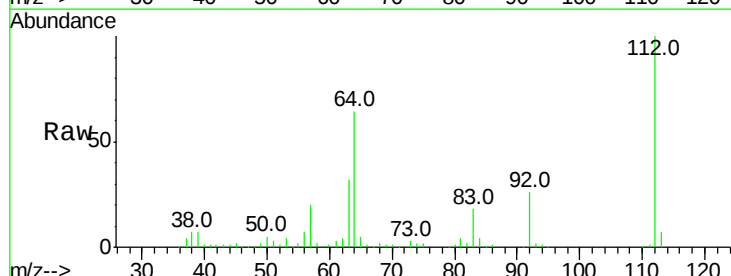
Tot Ion:152 Resp: 164180
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 58.8 50.1 75.1

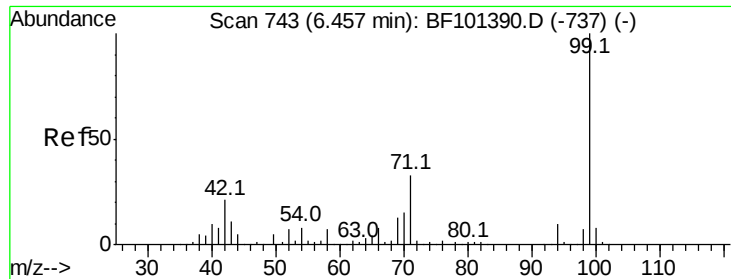


#5

2-Fluorophenol
Concen: 20.113 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.00 min
Lab File: BF101452.D
Acq: 15 Dec 2017 19:27

Tgt Ion:112 Resp: 221686
Ion Ratio Lower Upper
112 100
64 63.9 47.9 71.9
63 31.9 23.7 35.5





#7

Phenol-d6

Concen: 20.754 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

Instrument :

BNA_F

ClientSampleId :

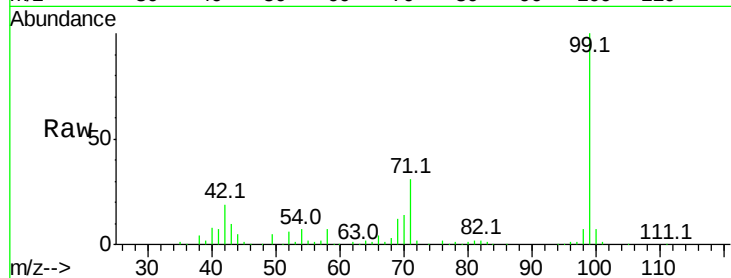
Tot Ion: 99 Resp: 284686

Ion Ratio Lower Upper

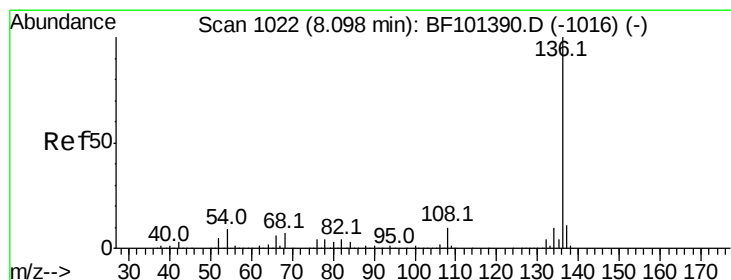
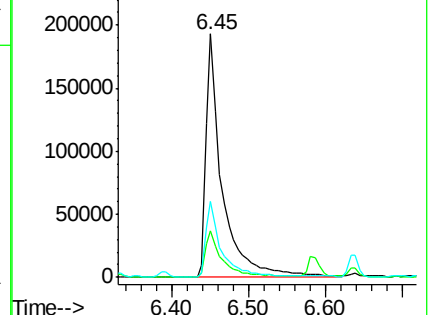
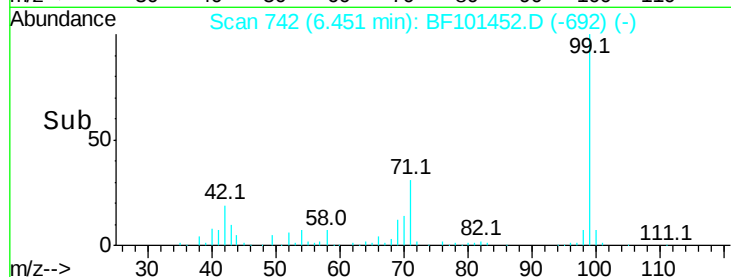
99 100

42 19.1 14.5 21.7

71 31.3 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: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

Tgt Ion: 136 Resp: 622409

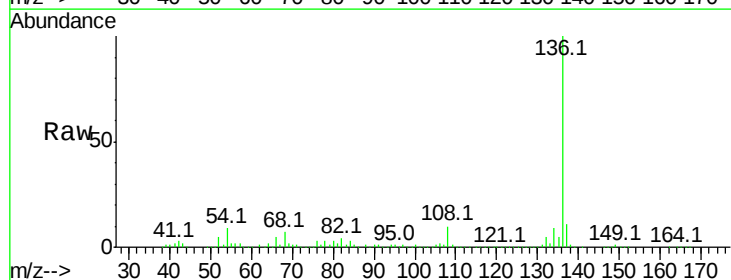
Ion Ratio Lower Upper

136 100

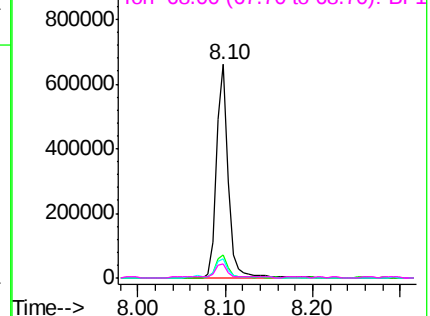
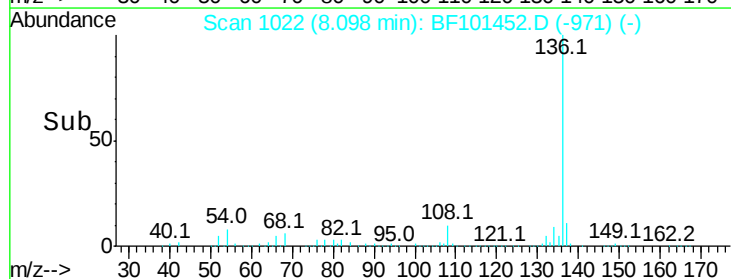
137 10.7 8.9 13.3

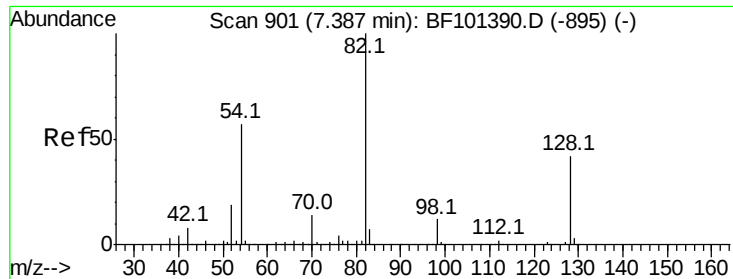
54 8.7 6.6 9.8

68 6.8 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

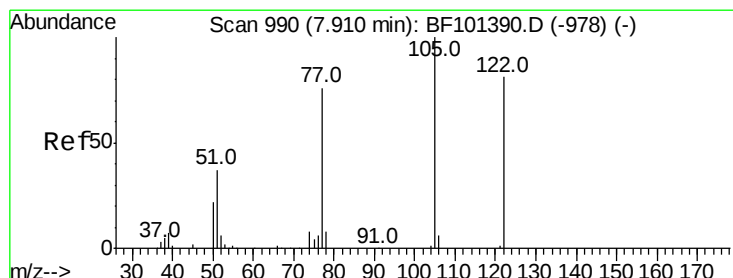
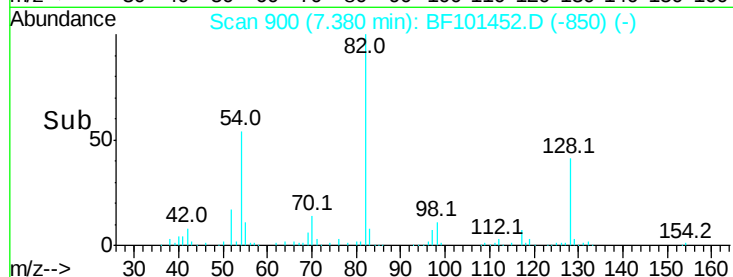
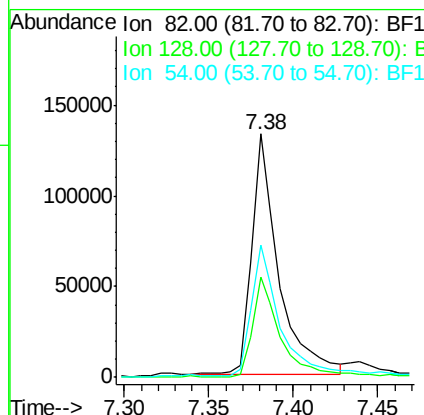
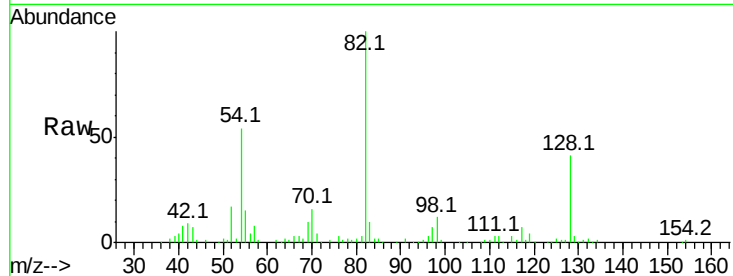




#23
 Nitrobenzene-d5
 Concen: 13.114 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF101452.D
 Acq: 15 Dec 2017 19:27

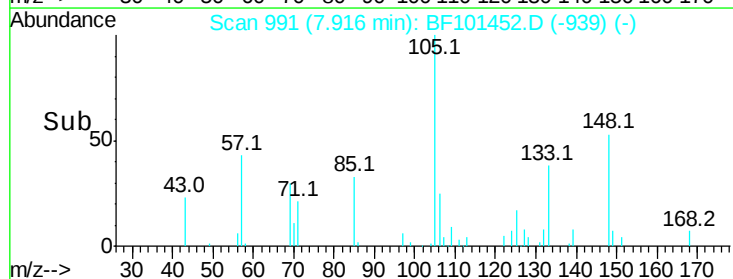
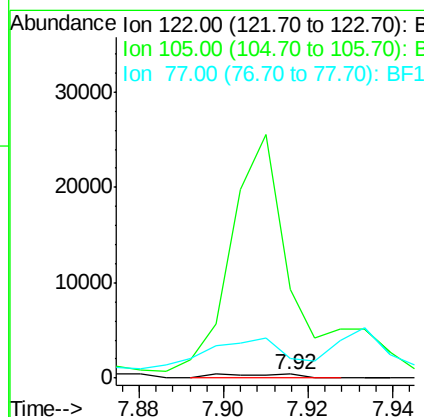
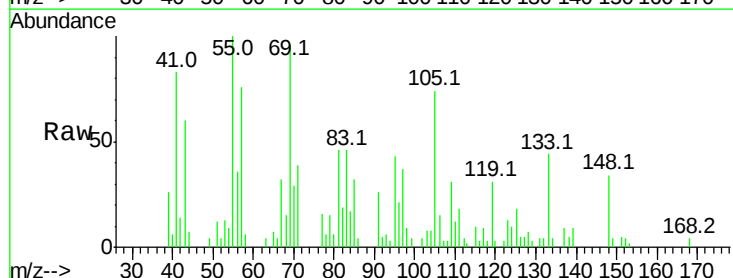
Instrument :
 BNA_F
 ClientSampleId :

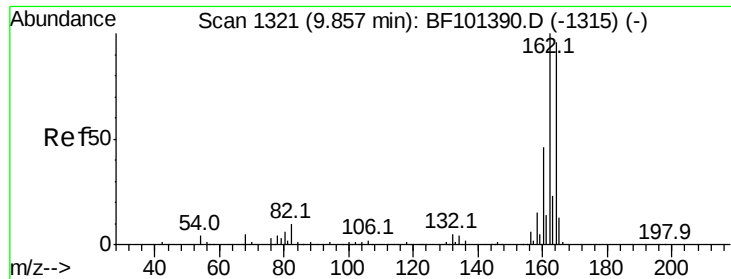
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.1	36.1	54.1
54	54.4	41.4	62.2



#32
 Benzoic acid
 Concen: 8.031 ng
 RT: 7.92 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: BF101452.D
 Acq: 15 Dec 2017 19:27

Tgt Ion	Ratio	Lower	Upper
122	100		
105	2435.9	101.1	141.1#
77	527.6	70.7	110.7#

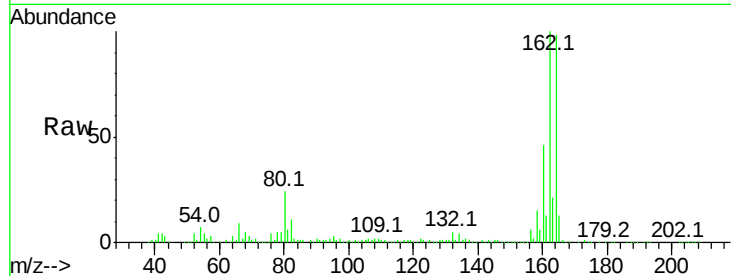




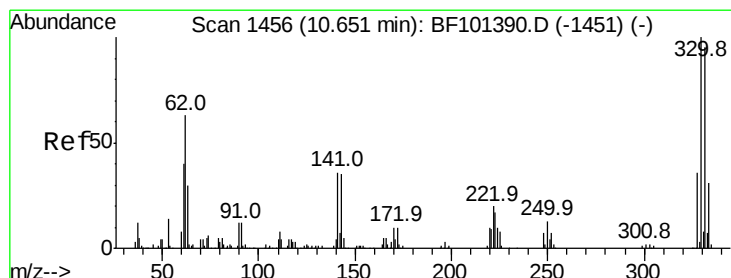
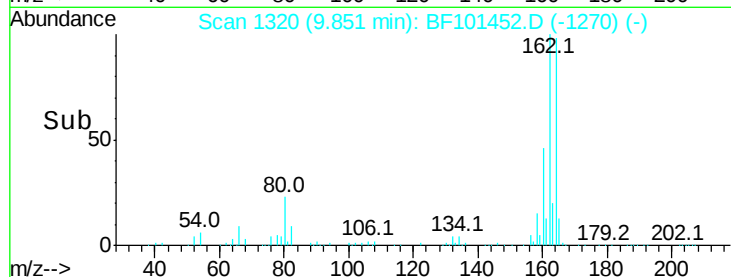
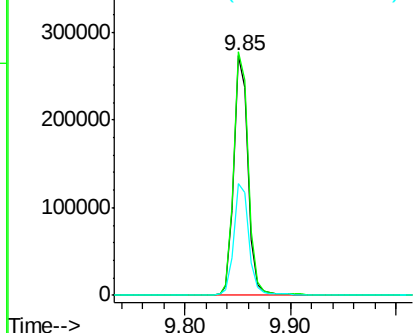
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101452.D
Acq: 15 Dec 2017 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 253884
Ion Ratio Lower Upper
164 100
162 101.6 86.1 129.1
160 46.4 38.3 57.5

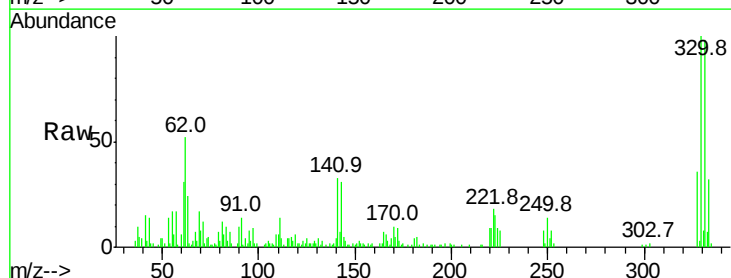


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

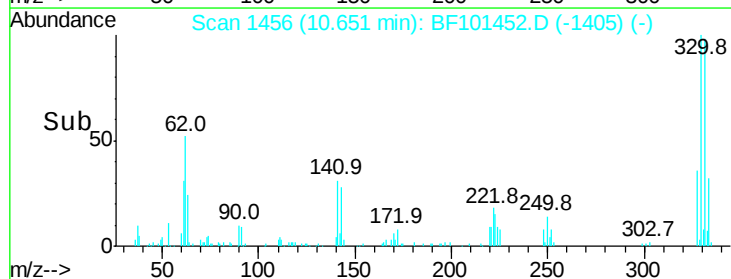
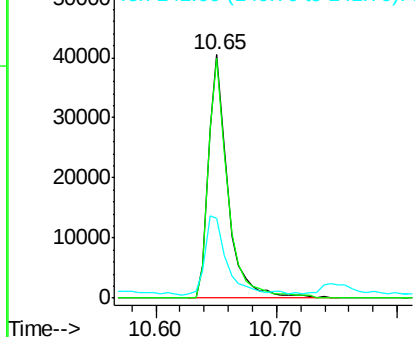


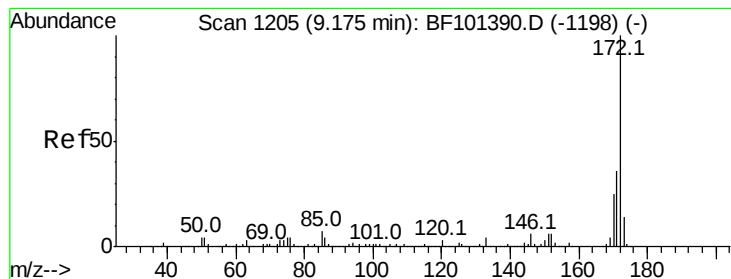
#41
2,4,6-Tribromophenol
Concen: 18.223 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BF101452.D
Acq: 15 Dec 2017 19:27

Tgt Ion:330 Resp: 44581
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.6
141 37.2 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: 18.584 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

Instrument :

BNA_F

ClientSampled :

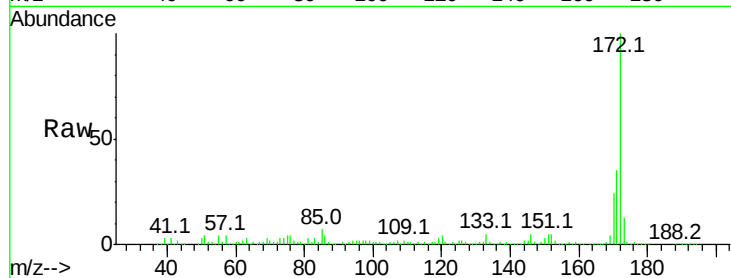
Tot Ion:172 Resp: 304155

Ion Ratio Lower Upper

172 100

171 35.2 29.7 44.5

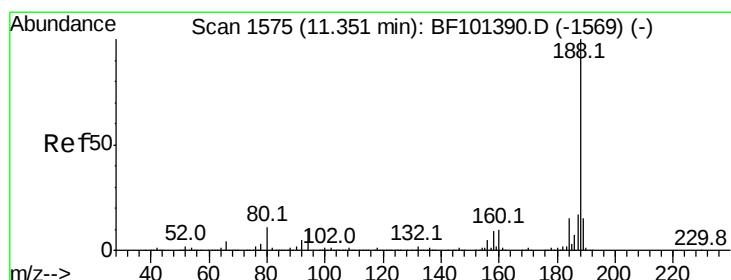
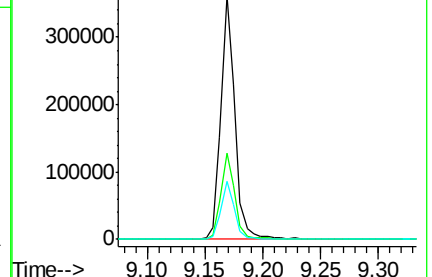
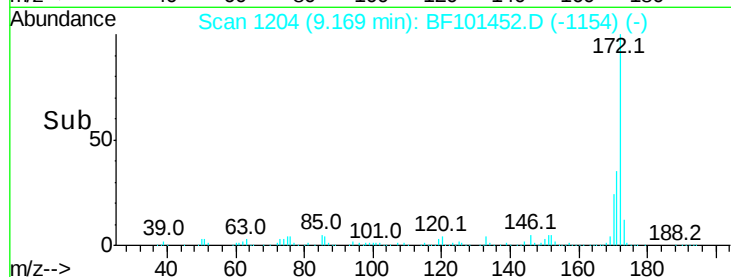
170 23.7 19.6 29.4



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

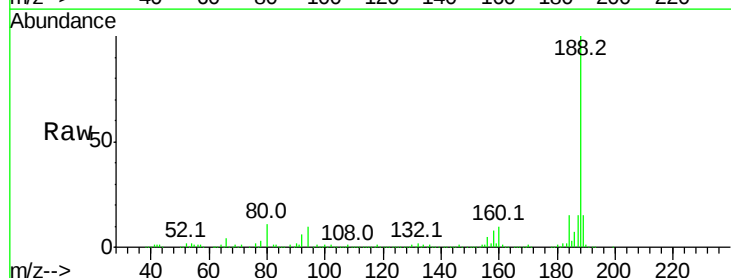
Tgt Ion:188 Resp: 409197

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

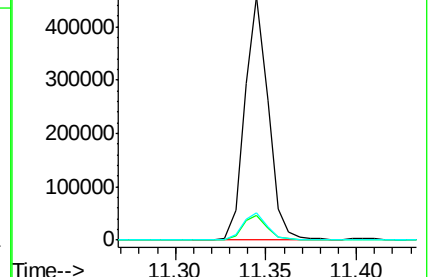
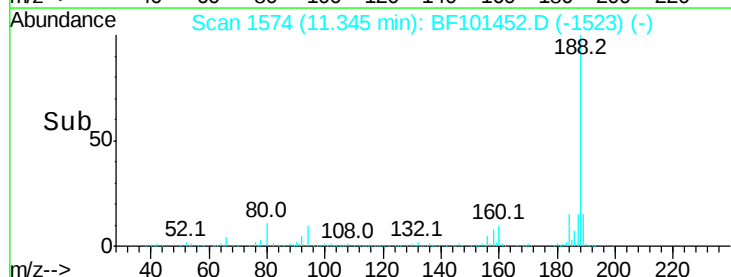
80 11.4 9.2 13.8

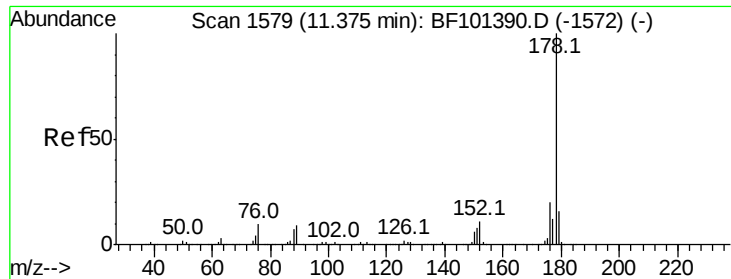


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 2.825 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

Instrument :

BNA_F

ClientSampled :

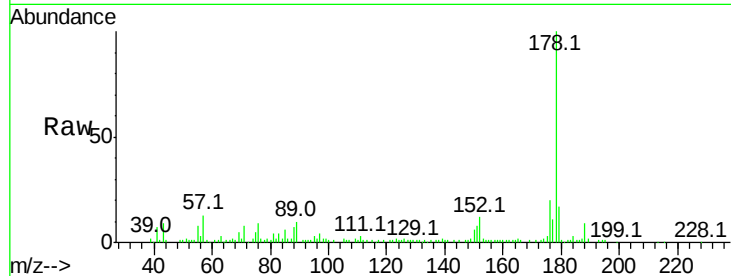
Tot Ion:178 Resp: 64288

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

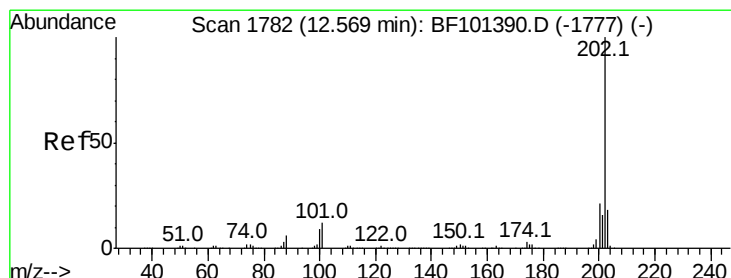
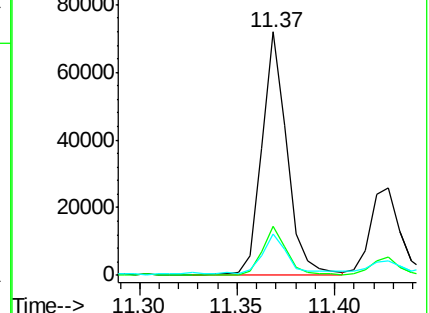
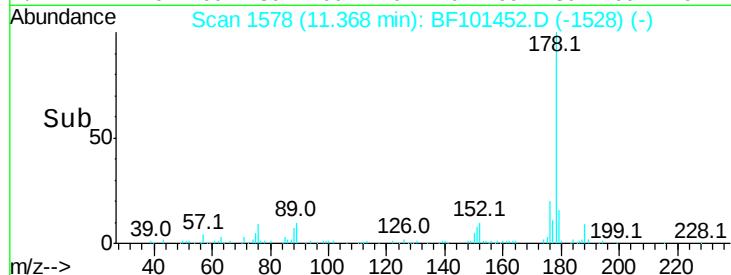
179 16.9 13.0 19.6



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: 6.425 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

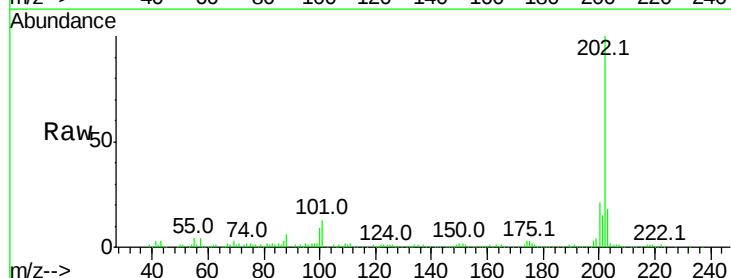
Tgt Ion:202 Resp: 153472

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

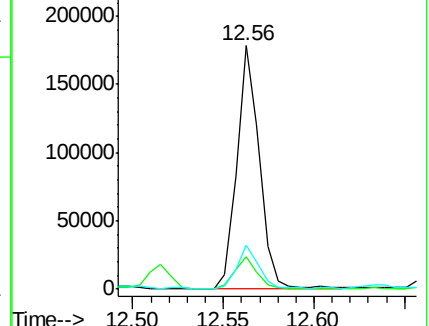
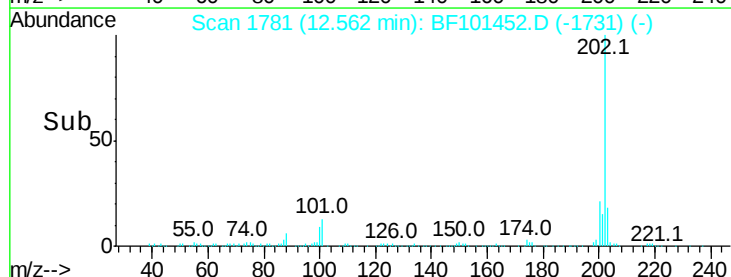
203 17.8 0.0 38.1

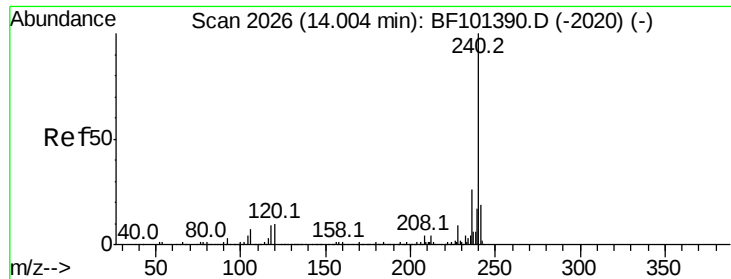


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

Instrument :

BNA_F

ClientSampleId :

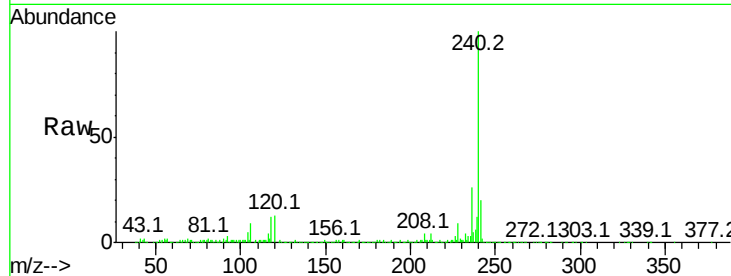
Tot Ion:240 Resp: 317890

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

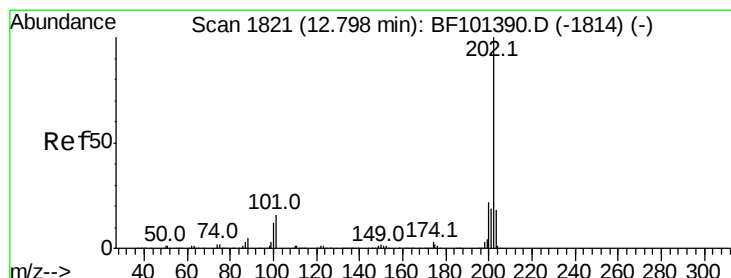
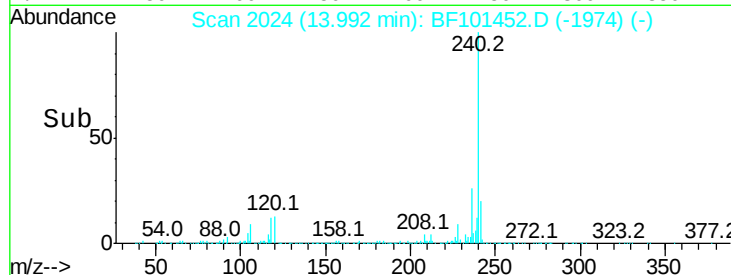
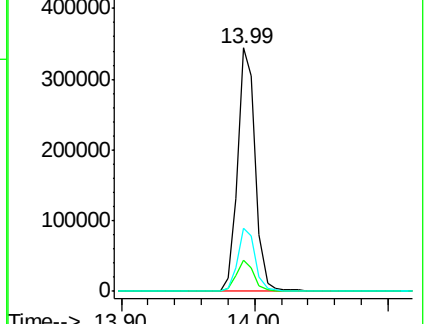
236 25.8 20.7 31.1



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: 6.797 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

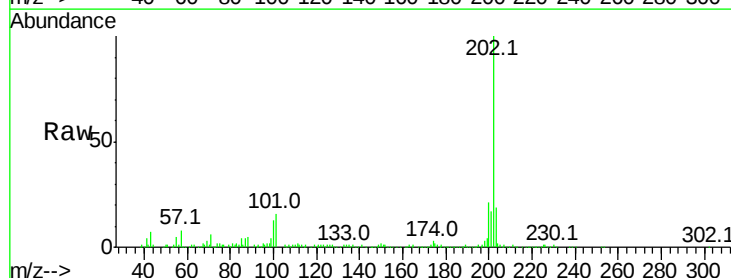
Tgt Ion:202 Resp: 162151

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

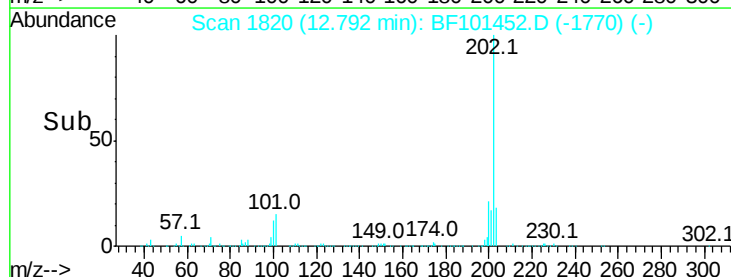
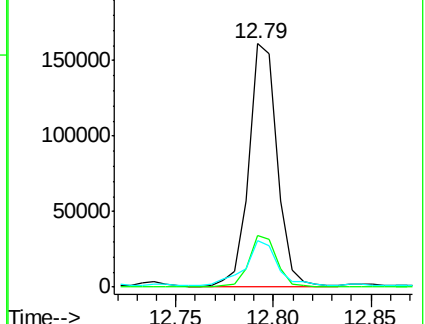
203 19.0 14.3 21.5

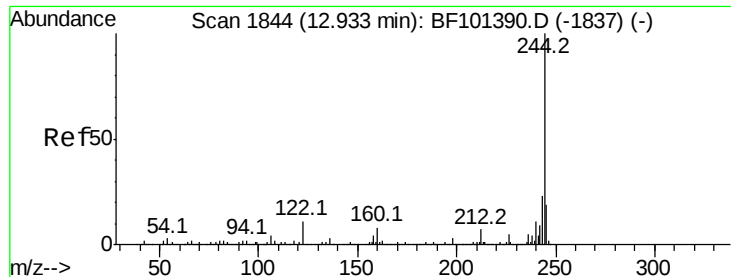


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 17.735 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

Instrument :

BNA_F

ClientSampleId :

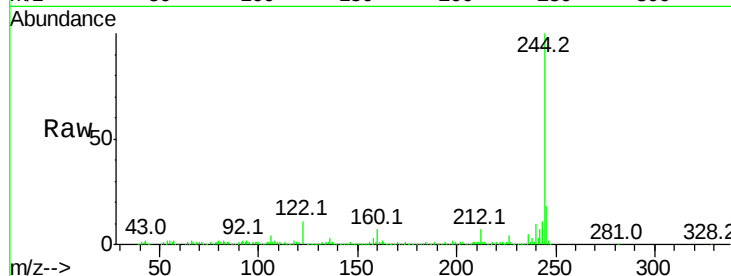
Tot Ion:244 Resp: 233855

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

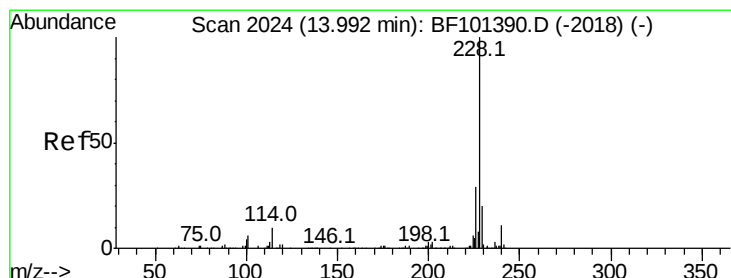
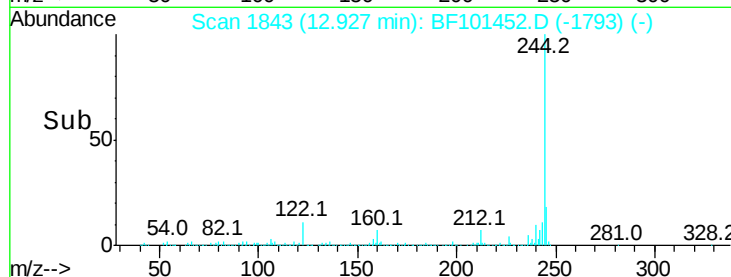
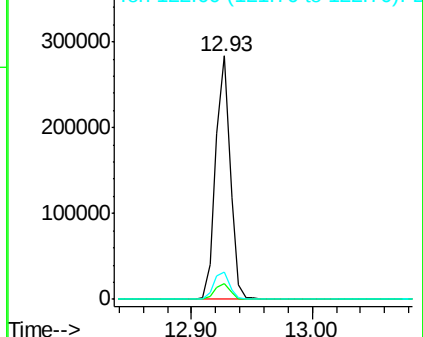
122 11.3 11.0 16.4



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: 3.243 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

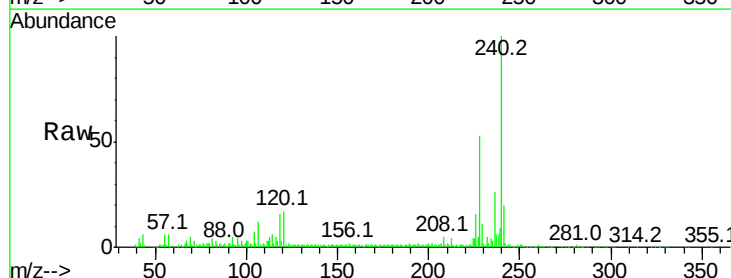
Tgt Ion:228 Resp: 68069

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

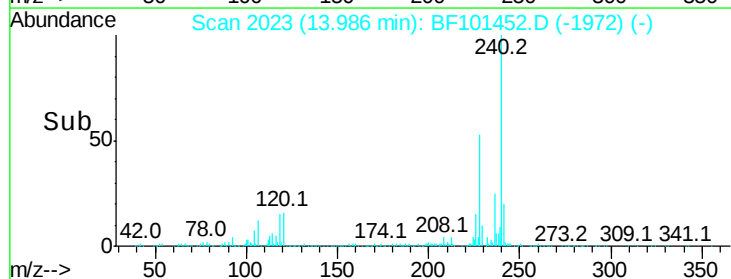
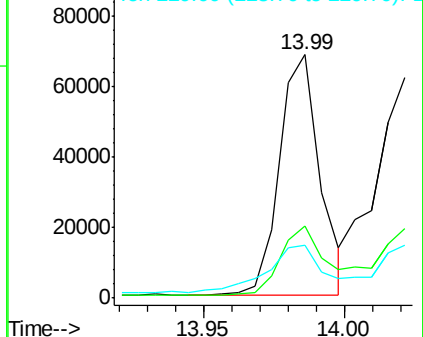
229 21.5 15.8 23.6

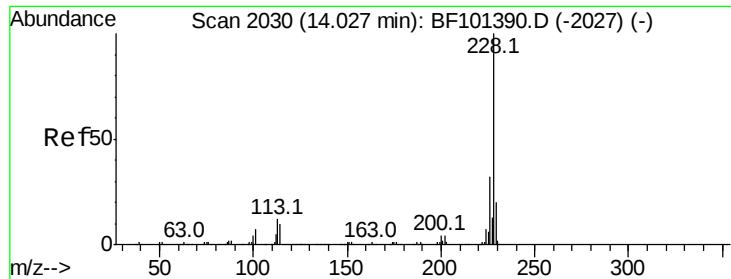


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.482 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

Instrument :

BNA_F

ClientSampleId :

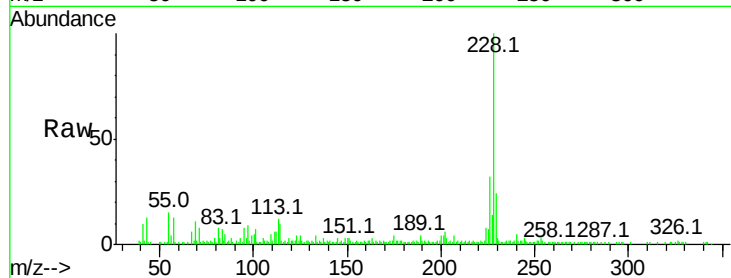
Tot Ion:228 Resp: 69001

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

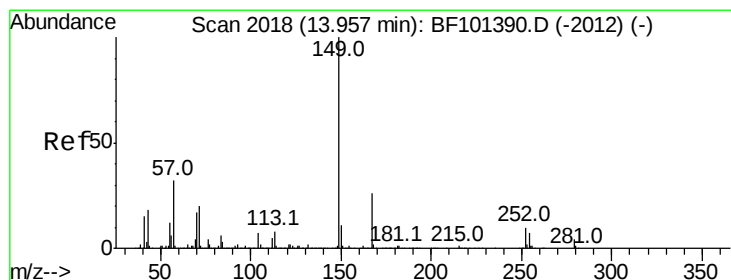
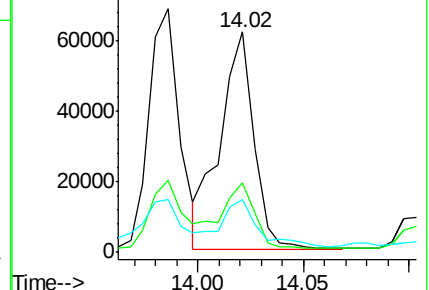
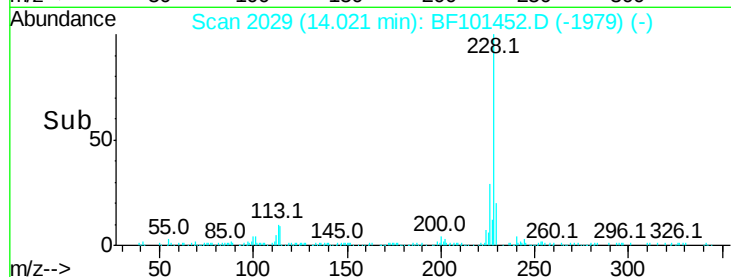
229 23.7 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.122 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF101452.D

Acq: 15 Dec 2017 19:27

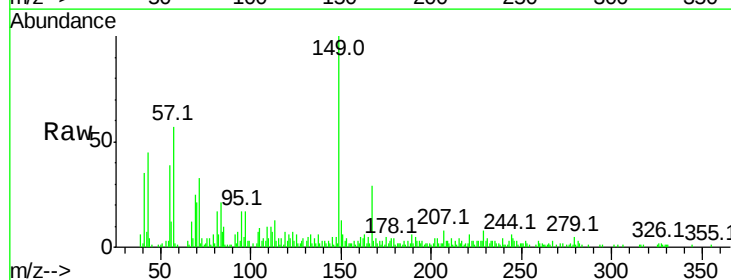
Tgt Ion:149 Resp: 29017

Ion Ratio Lower Upper

149 100

167 28.5 21.3 31.9

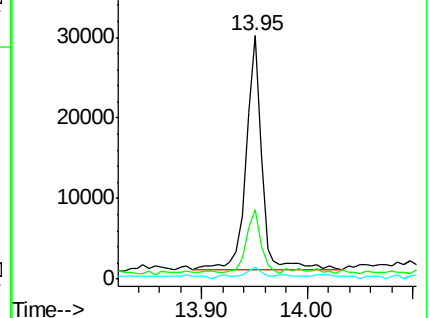
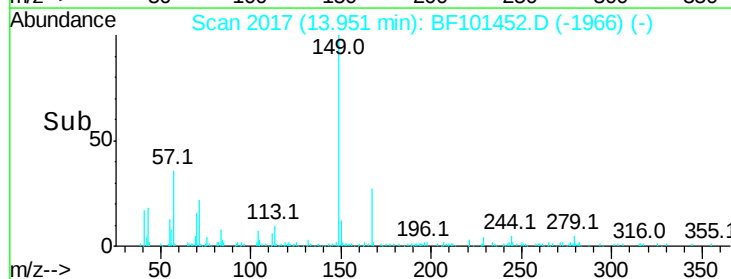
279 5.0 3.0 4.4#

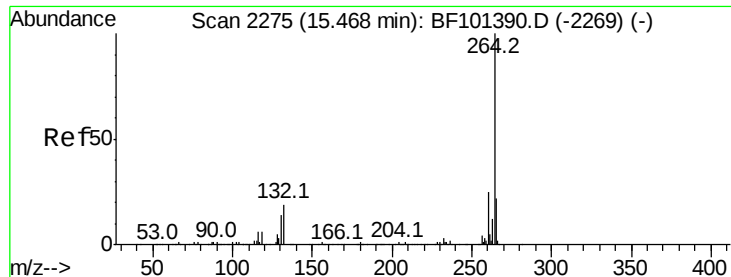


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

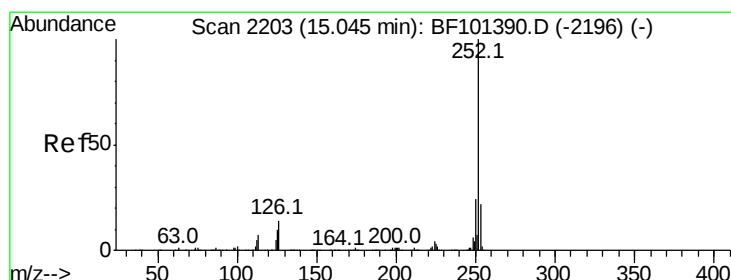
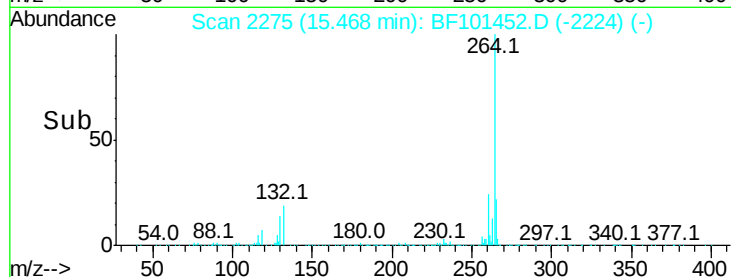
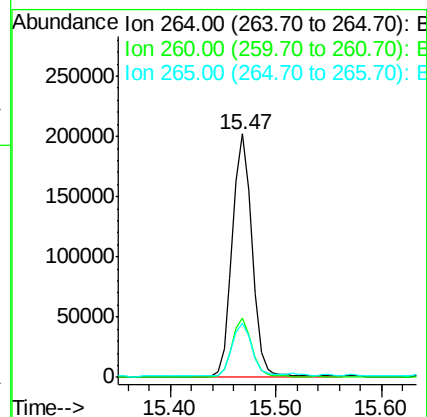
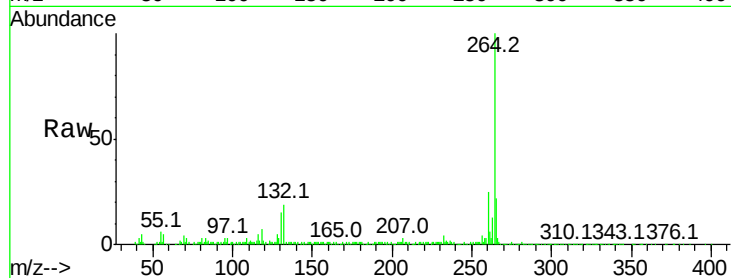




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BF101452.D
Acq: 15 Dec 2017 19:27

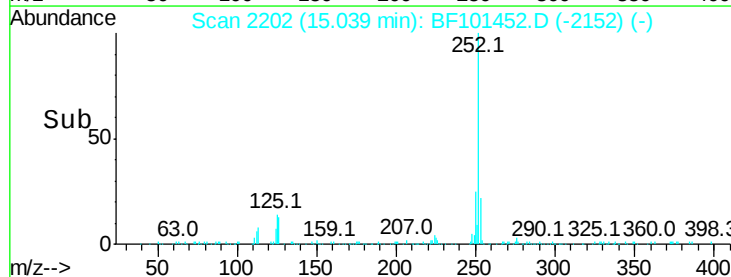
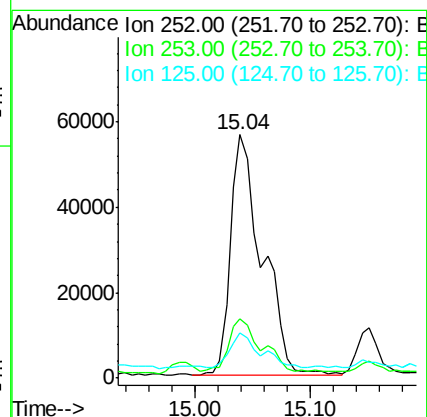
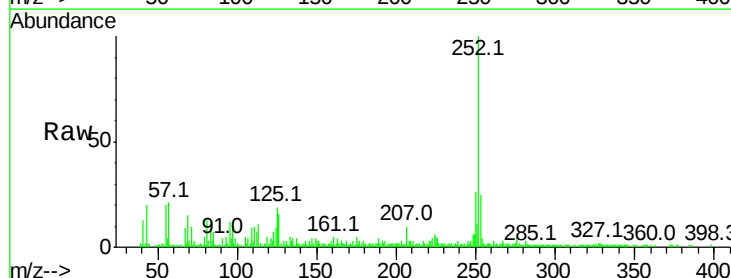
Instrument :
BNA_F
ClientSampled :

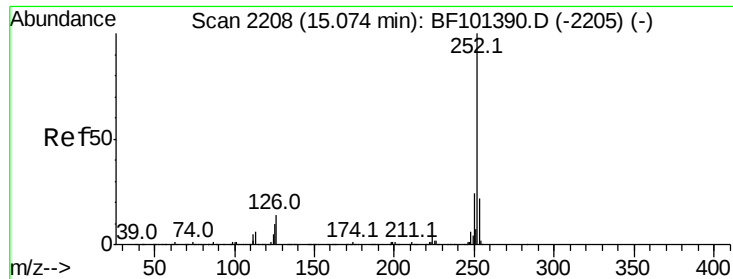
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 6.771 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101452.D
Acq: 15 Dec 2017 19:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	18.6	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 6.964 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BF101452.D

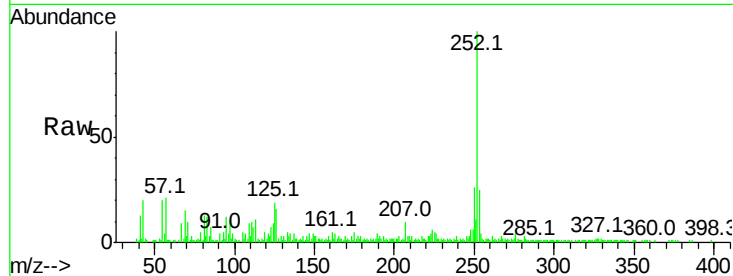
Acq: 15 Dec 2017 19:27

Instrument :

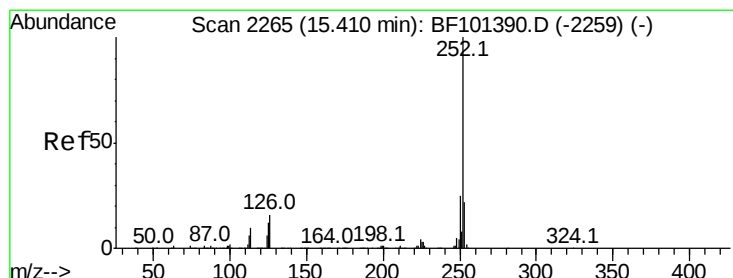
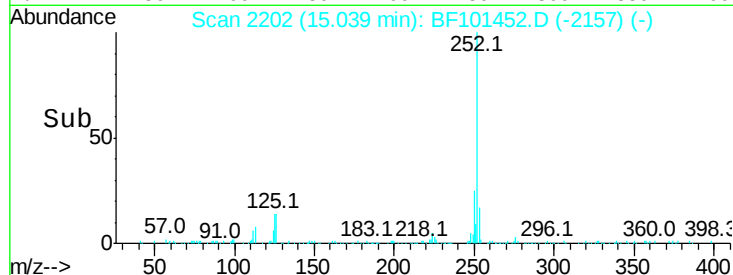
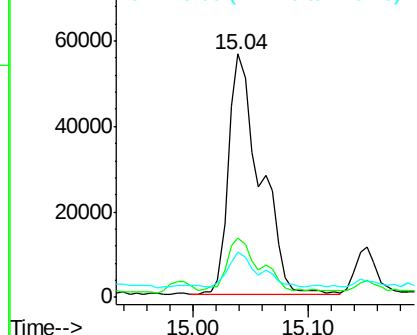
BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	107356
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	18.6	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: 4.080 ng

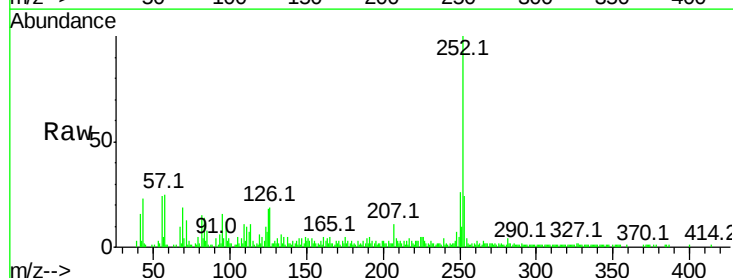
RT: 15.41 min Scan# 2265

Delta R.T. -0.00 min

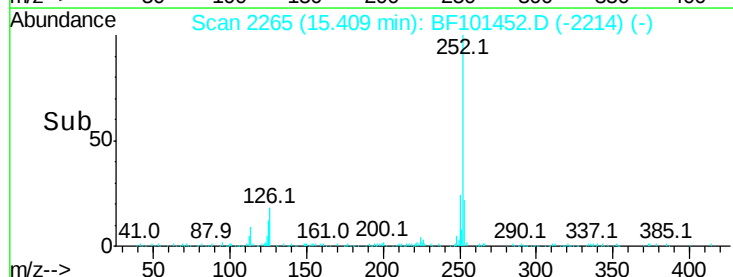
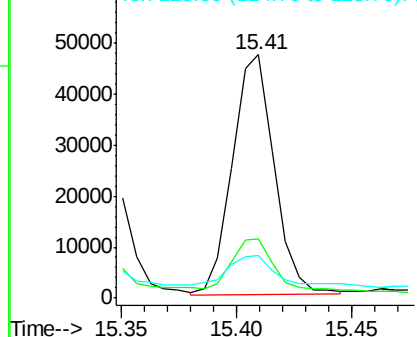
Lab File: BF101452.D

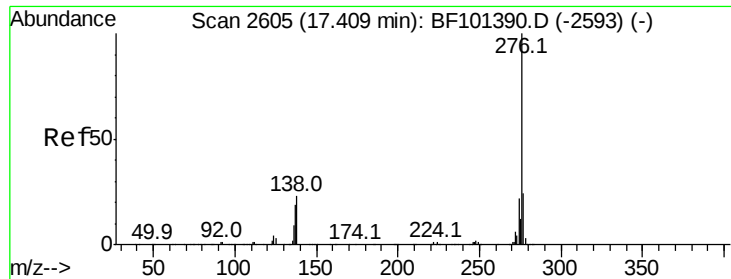
Acq: 15 Dec 2017 19:27

Tgt Ion:	252	Resp:	59631
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	17.8	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(a,h,i)perylene
 Concen: 2.634 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. 0.01 min
 Lab File: BF101452.D
 Acq: 15 Dec 2017 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.2	17.9	26.9
138	31.0	21.8	32.8

