

Data Path : U:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101905.D
 Acq On : 4 Jan 2018 21:43
 Operator : SJ/JU
 Sample : J1033-03 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 23:57:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 04 14:22:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	114810	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	392754	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	130531	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	237962	20.00	ng	0.00
75) Chrysene-d12	13.96	240	256342	20.00	ng	0.00
86) Perylene-d12	15.43	264	174266	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	57244	7.43	ng	0.06
7) Phenol-d6	6.48	99	77968	8.13	ng	0.06
23) Nitrobenzene-d5	7.37	82	46284	6.56	ng	0.03
41) 2,4,6-Tribromophenol	10.63	330	5562	4.42	ng	0.02
44) 2-Fluorobiphenyl	9.13	172	69487	8.26	ng	0.00
78) Terphenyl-d14	12.88	244	71248	6.70	ng	0.00

Target Compounds

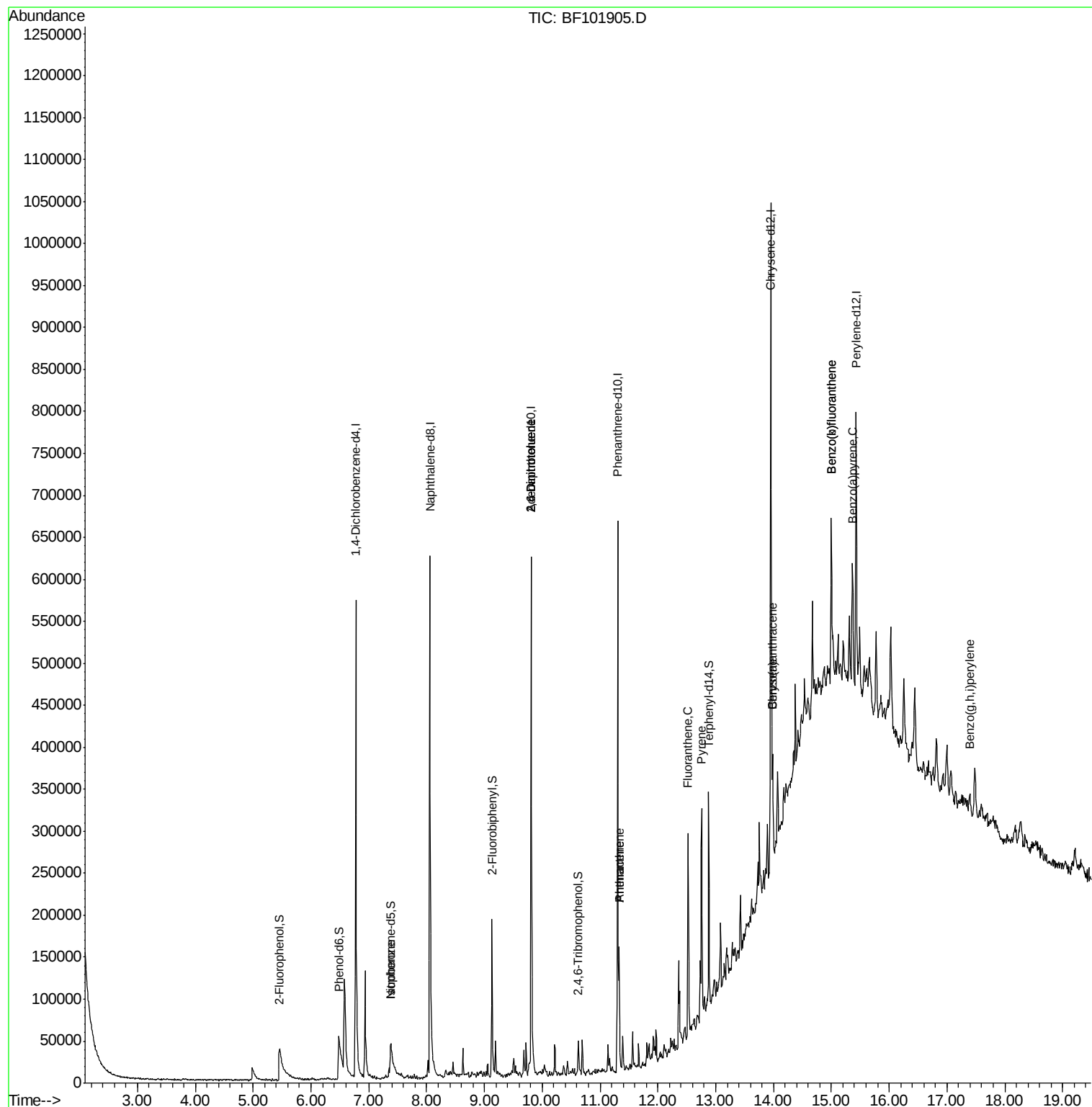
						Qvalue
25) Isophorone	7.37	82	46284	3.270	ng	# 64
50) 2,6-Dinitrotoluene	9.81	165	16777	7.862	ng	# 25
56) 2,4-Dinitrotoluene	9.81	165	16777	6.978	ng	# 23
70) Phenanthrene	11.33	178	52013	3.930	ng	99
71) Anthracene	11.33	178	52013	3.848	ng	98
74) Fluoranthene	12.52	202	103117	7.424	ng	99
77) Pyrene	12.76	202	104754	5.445	ng	97
80) Benzo(a)anthracene	13.99	228	53672	3.171	ng	93
82) Chrysene	13.99	228	53672	3.358	ng	97
87) Benzo(b)fluoranthene	15.00	252	76385	7.191	ng	# 86
88) Benzo(k)fluoranthene	15.00	252	76385	7.396	ng	# 89
89) Benzo(a)pyrene	15.37	252	37645	3.845	ng	# 86
91) Benzo(a,h,i)perylene	17.39	276	17490	2.101	ng	# 89

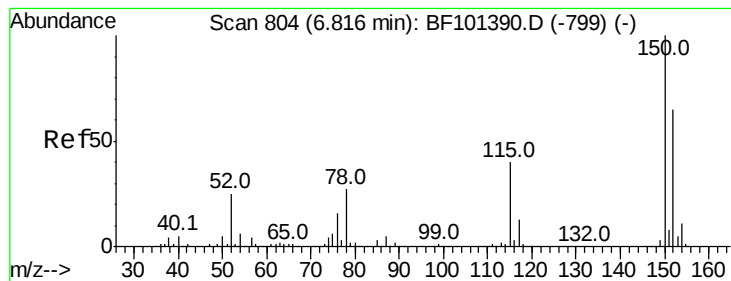
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101905.D
Acq On : 4 Jan 2018 21:43
Operator : SJ/JU
Sample : J1033-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 04 23:57:17 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 04 14:22:17 2018
Response via : Initial Calibration



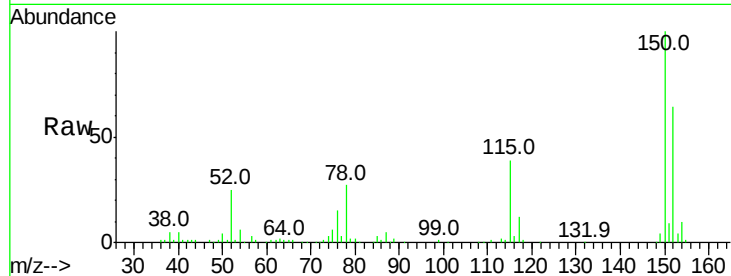


#1

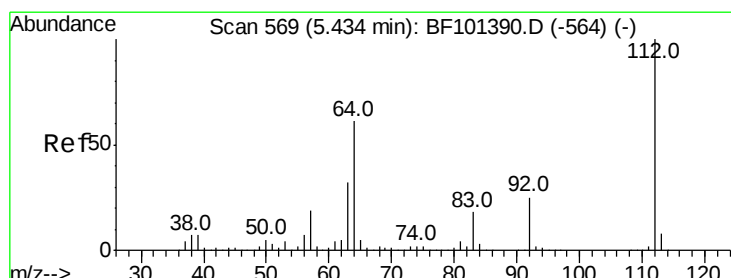
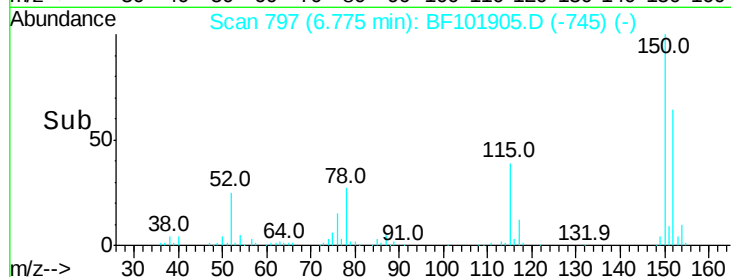
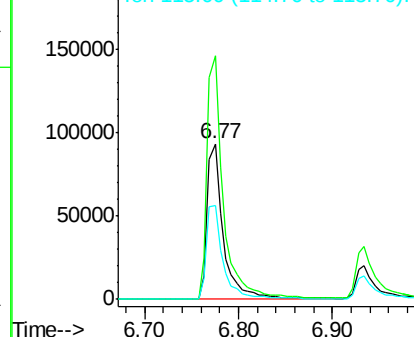
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114810
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 60.6 50.1 75.1



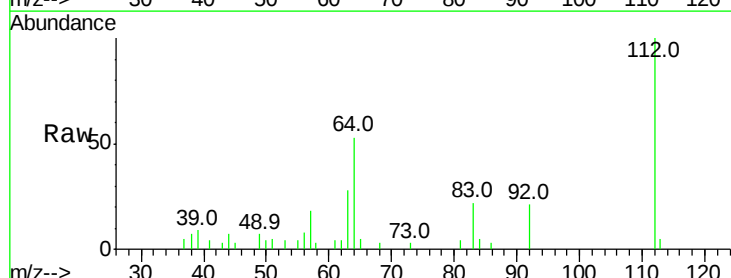
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



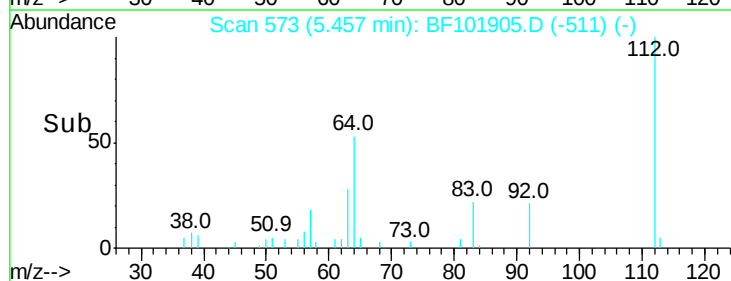
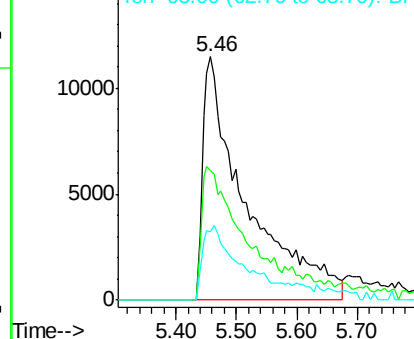
#5

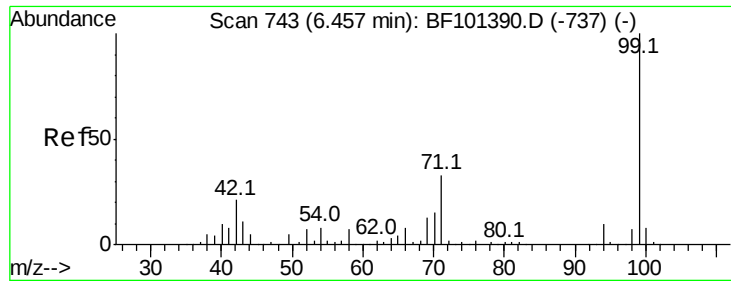
2-Fluorophenol
Concen: 7.427 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.06 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

Tgt Ion:112 Resp: 57244
Ion Ratio Lower Upper
112 100
64 53.2 47.9 71.9
63 28.3 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: 8.128 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.06 min

Lab File: BF101905.D

Acq: 4 Jan 2018 21:43

Instrument :

BNA_F

ClientSampleId :

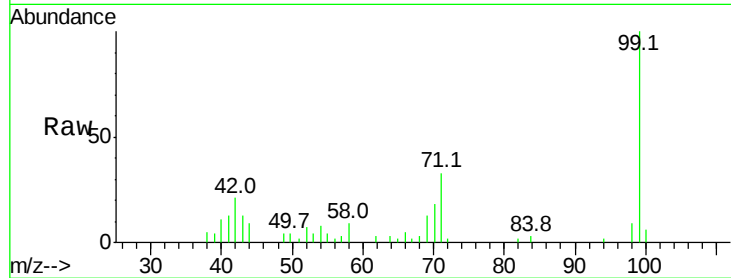
Tot Ion: 99 Resp: 77968

Ion Ratio Lower Upper

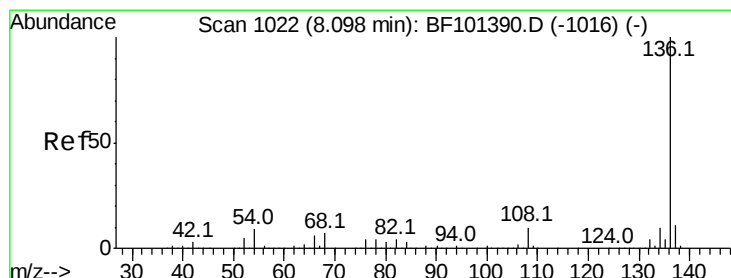
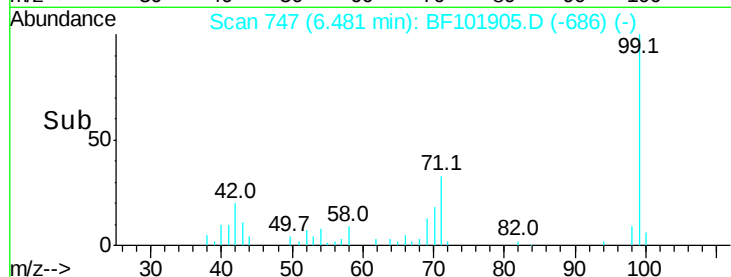
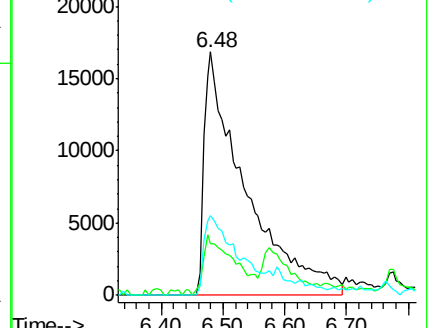
99 100

42 21.5 14.5 21.7

71 33.0 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF101905.D

Acq: 4 Jan 2018 21:43

Tgt Ion: 136 Resp: 392754

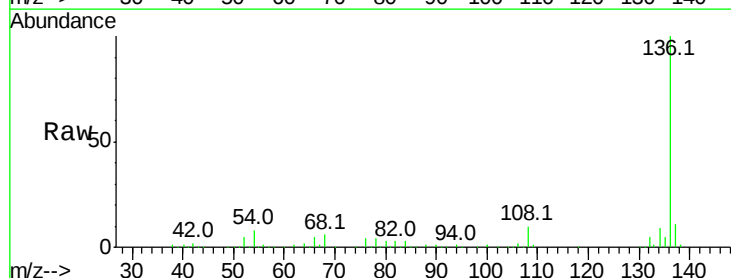
Ion Ratio Lower Upper

136 100

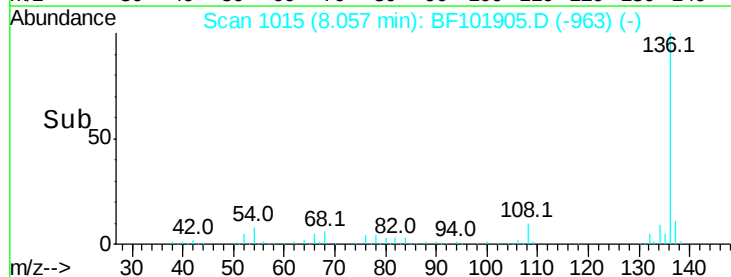
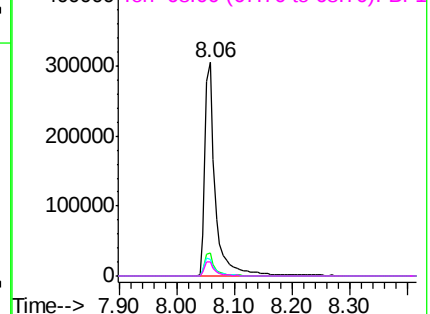
137 10.7 8.9 13.3

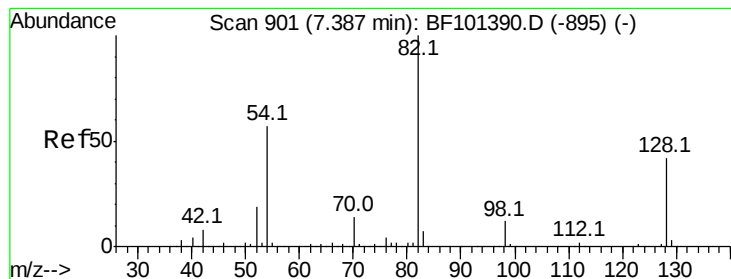
54 8.1 6.6 9.8

68 6.3 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: 6.560 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.03 min

Lab File: BF101905.D

Acq: 4 Jan 2018 21:43

Instrument :

BNA_F

ClientSampled :

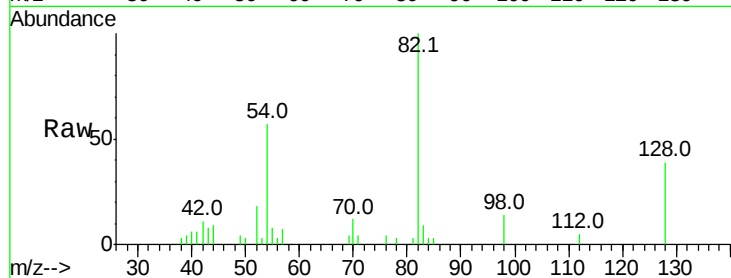
Tot Ion: 82 Resp: 46284

Ion Ratio Lower Upper

82 100

128 39.3 36.1 54.1

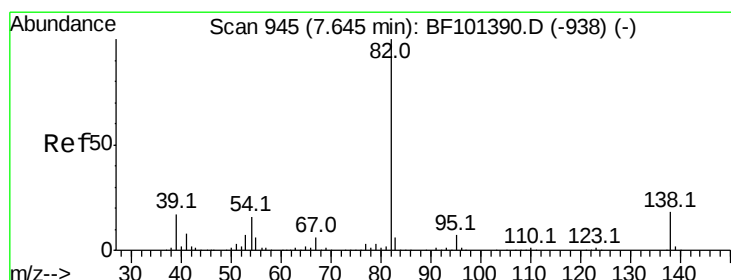
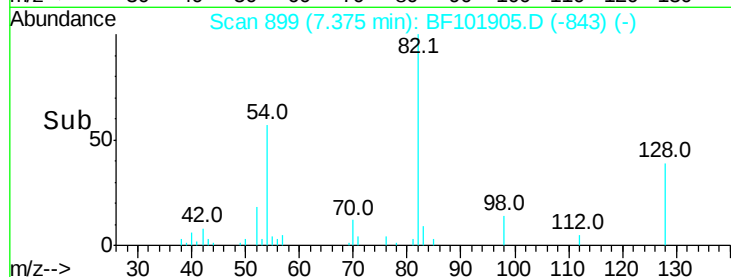
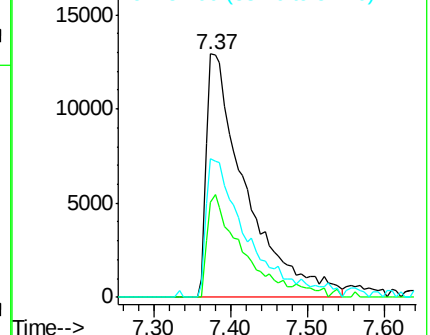
54 57.1 41.4 62.2



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: 3.270 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.22 min

Lab File: BF101905.D

Acq: 4 Jan 2018 21:43

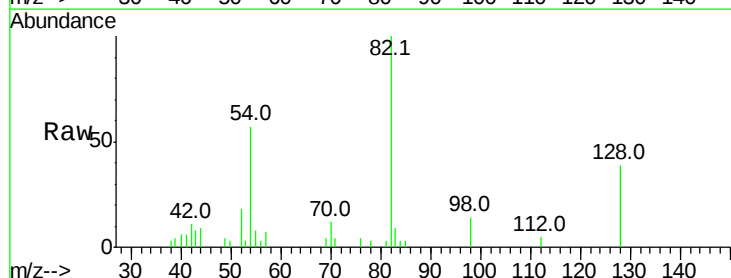
Tgt Ion: 82 Resp: 46284

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

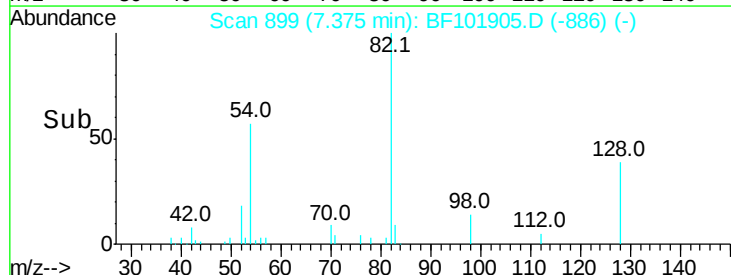
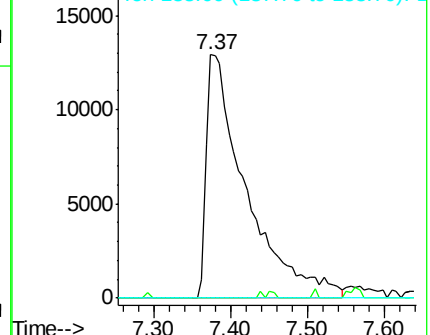
138 0.0 14.9 22.3#

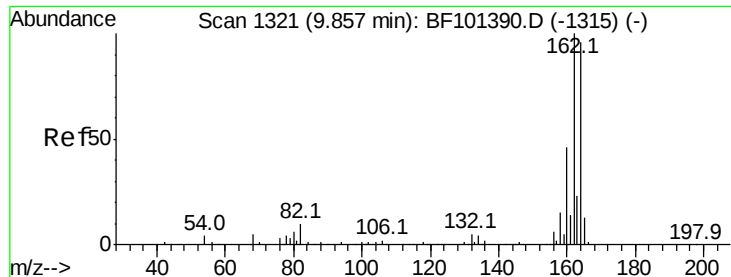


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.81 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF101905.D

Acq: 4 Jan 2018 21:43

Instrument :

BNA_F

ClientSampleId :

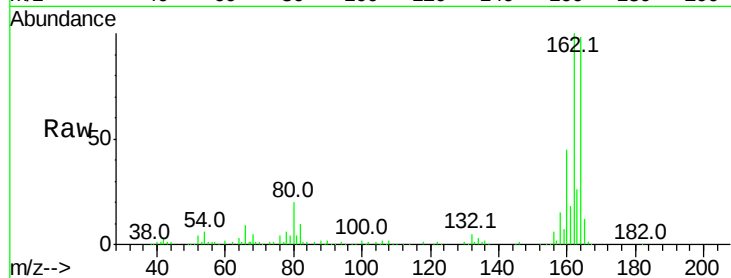
Tot Ion:164 Resp: 130531

Ion Ratio Lower Upper

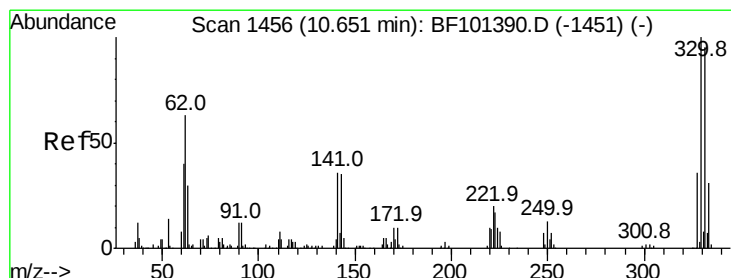
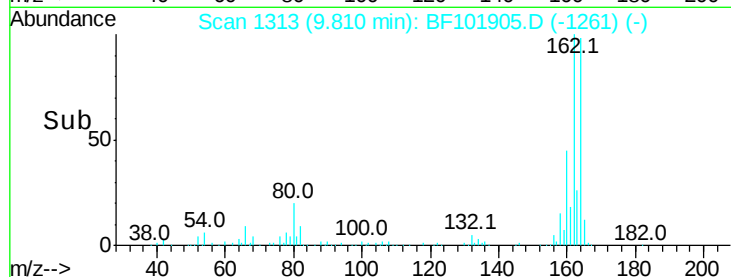
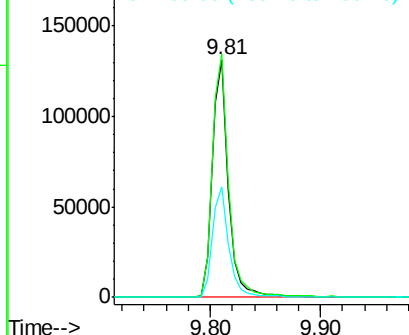
164 100

162 102.5 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: 4.422 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.02 min

Lab File: BF101905.D

Acq: 4 Jan 2018 21:43

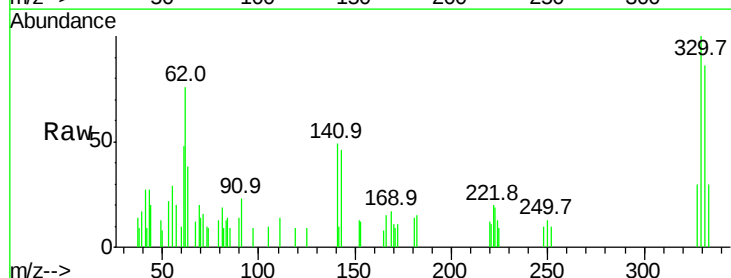
Tgt Ion:330 Resp: 5562

Ion Ratio Lower Upper

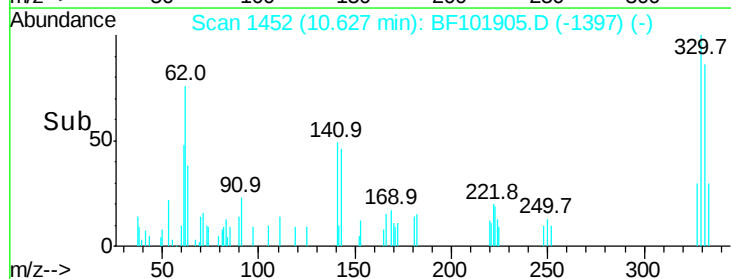
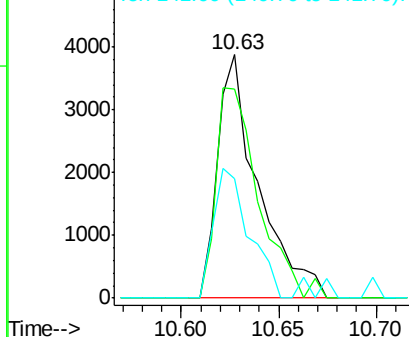
330 100

332 91.0 77.0 115.6

141 47.2 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



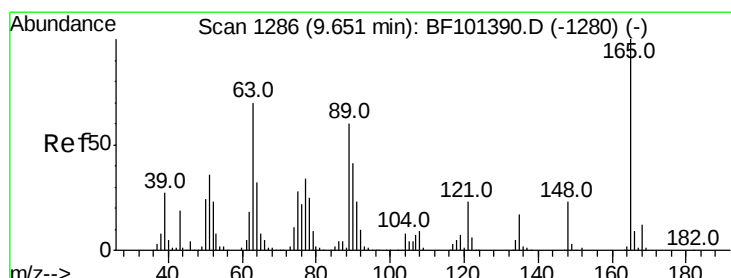
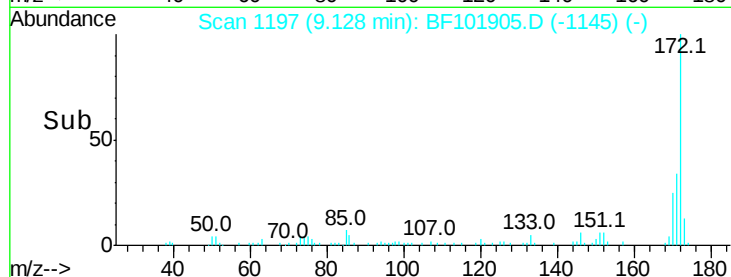
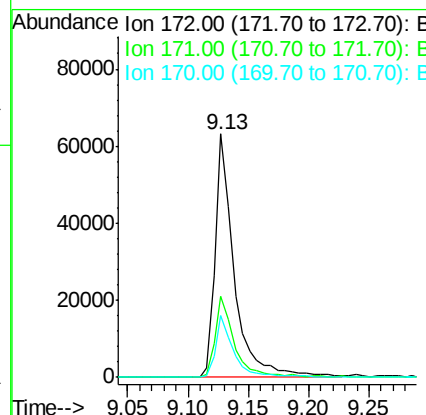
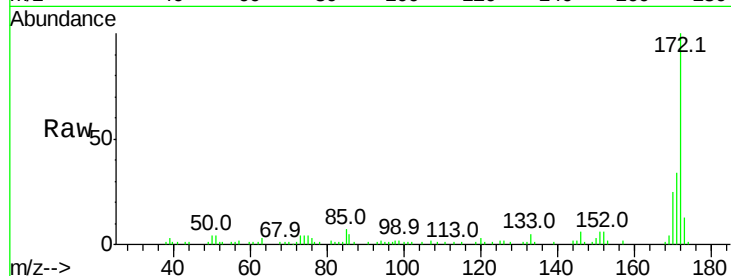


#44
 2-Fluorobiphenyl
 Concen: 8.258 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: BF101905.D
 Acq: 4 Jan 2018 21:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 69487

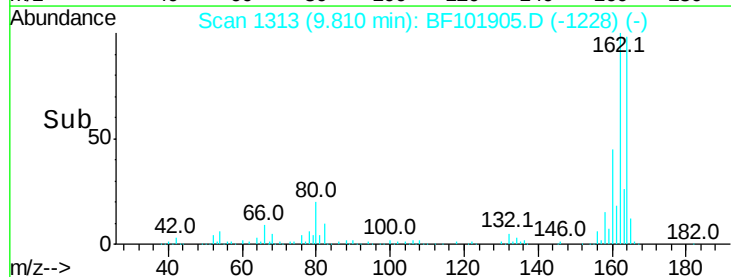
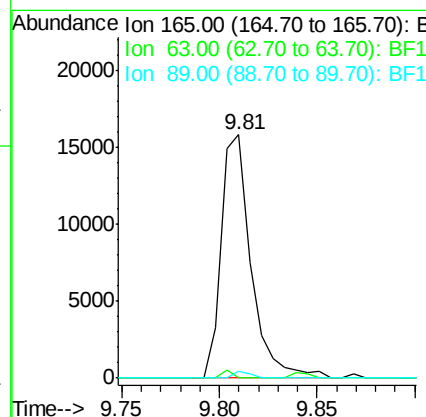
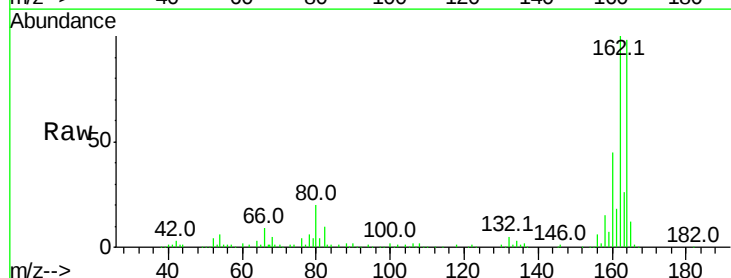
Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.7	44.5
170	25.4	19.6	29.4

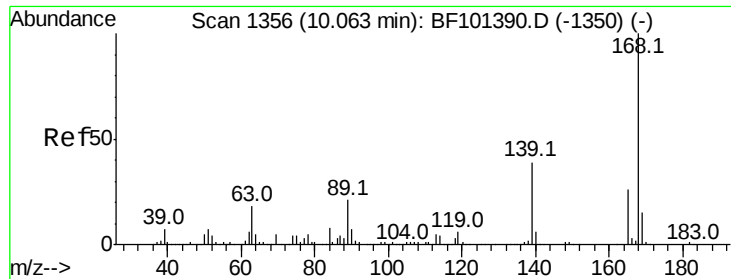


#50
 2,6-Dinitrotoluene
 Concen: 7.862 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.20 min
 Lab File: BF101905.D
 Acq: 4 Jan 2018 21:43

Tgt Ion:165 Resp: 16777

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	2.7	44.0	66.0#

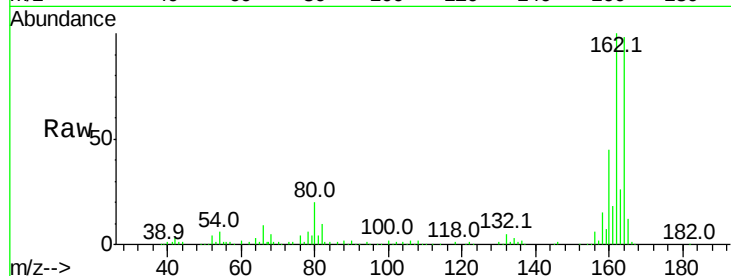




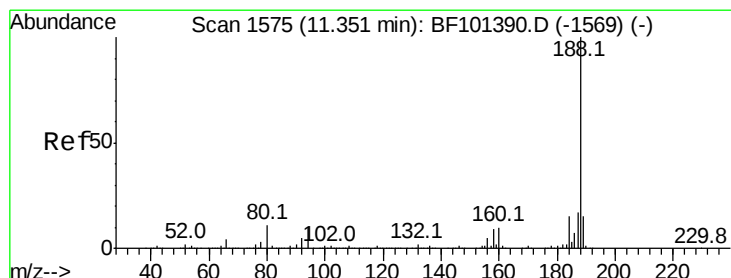
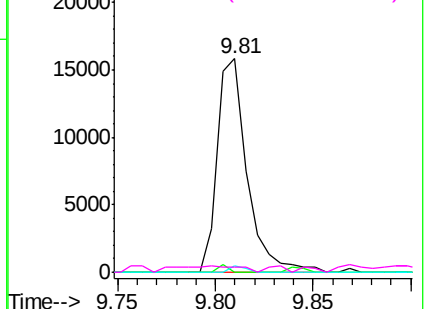
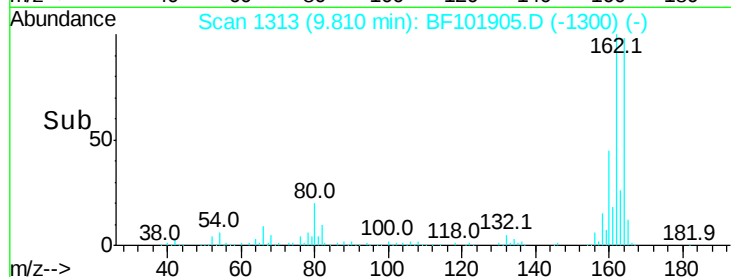
#56
 2,4-Dinitrotoluene
 Concen: 6.978 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.22 min
 Lab File: BF101905.D
 Acq: 4 Jan 2018 21:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 16777
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 2.7 57.8 86.6#
 182 2.1 1.6 2.4

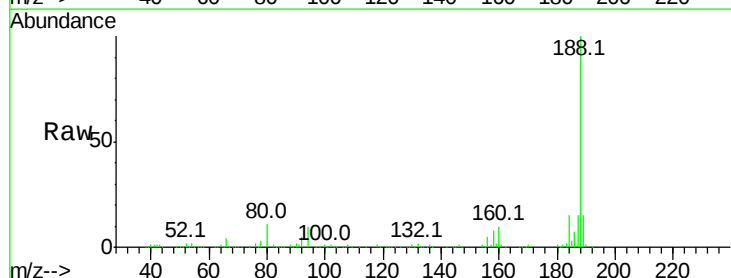


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

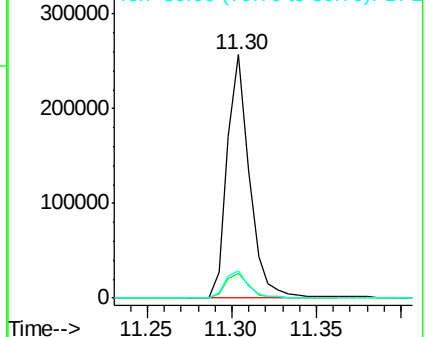
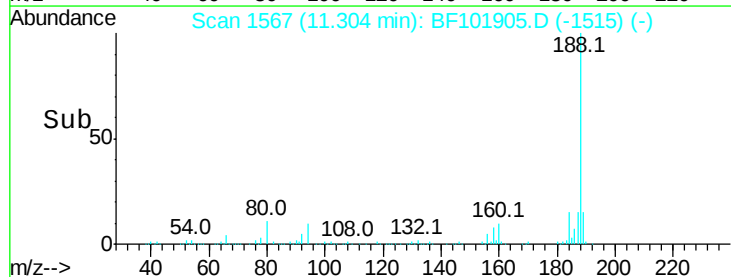


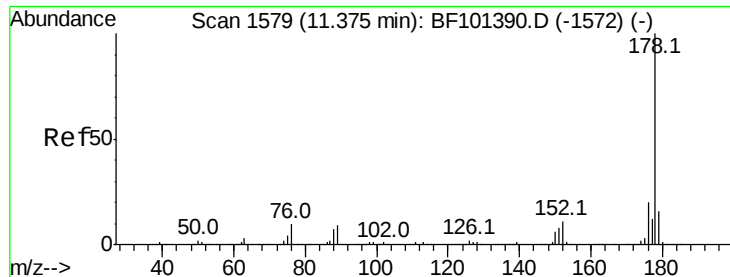
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: BF101905.D
 Acq: 4 Jan 2018 21:43

Tgt Ion:188 Resp: 237962
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.5 12.7
 80 11.1 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

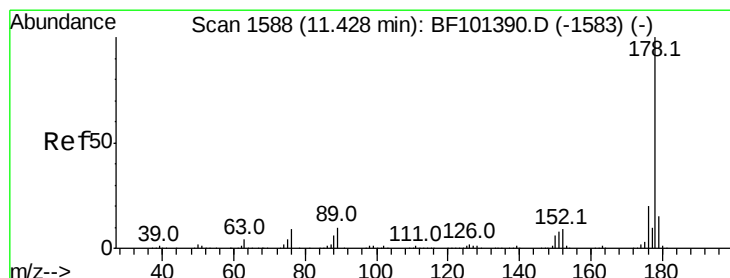
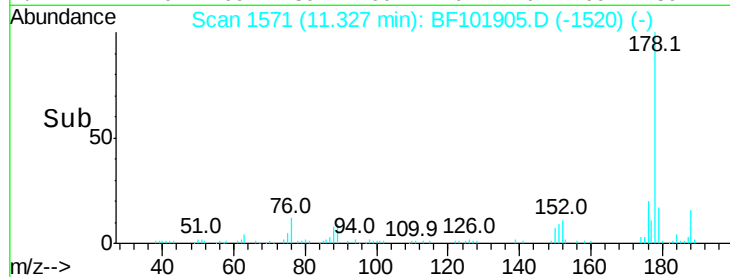
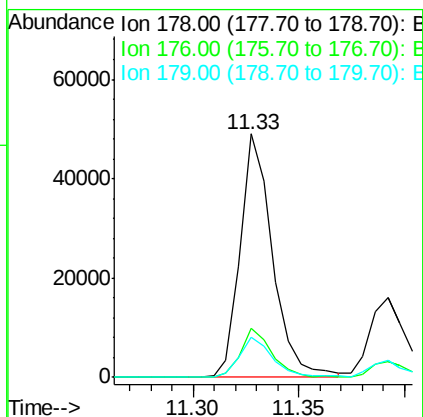
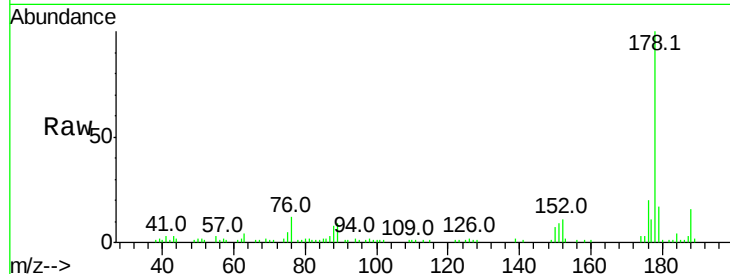




#70
Phenanthrene
Concen: 3.930 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

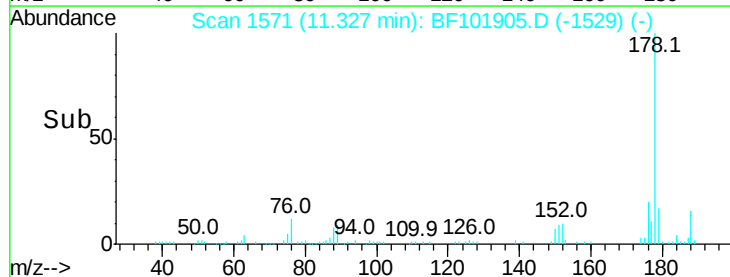
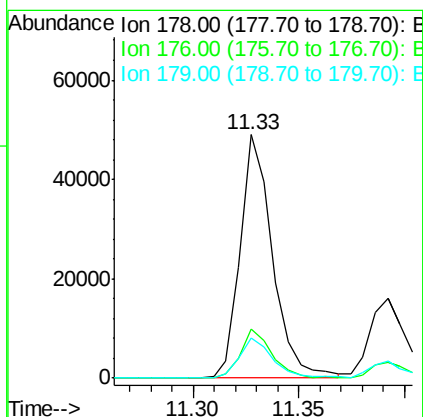
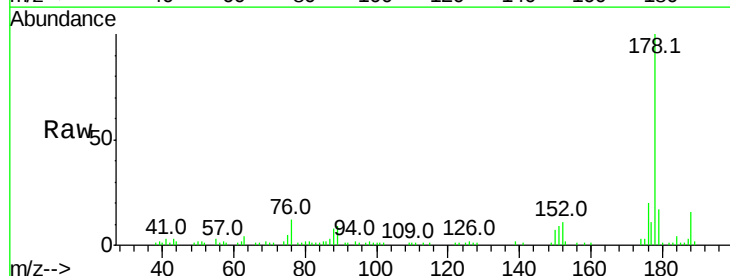
Instrument :
BNA_F
ClientSampleId :

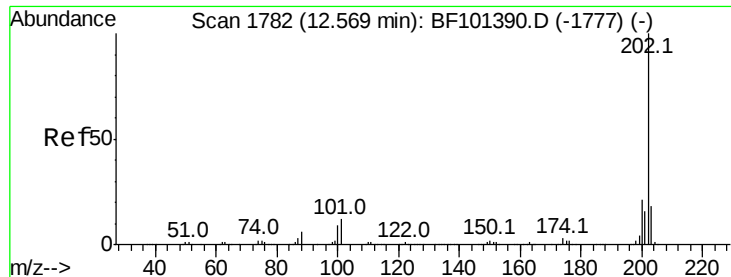
Tot Ion:178 Resp: 52013
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 16.7 13.0 19.6



#71
Anthracene
Concen: 3.848 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.05 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

Tgt Ion:178 Resp: 52013
Ion Ratio Lower Upper
178 100
176 20.3 15.4 23.2
179 16.7 12.6 19.0

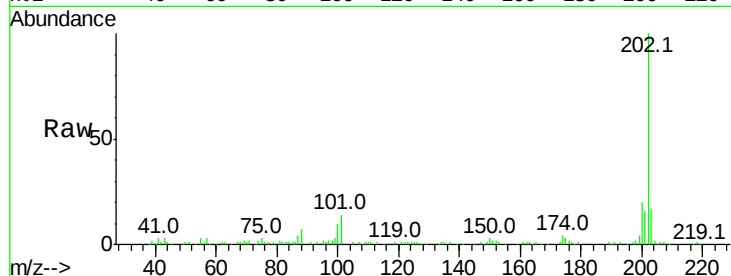




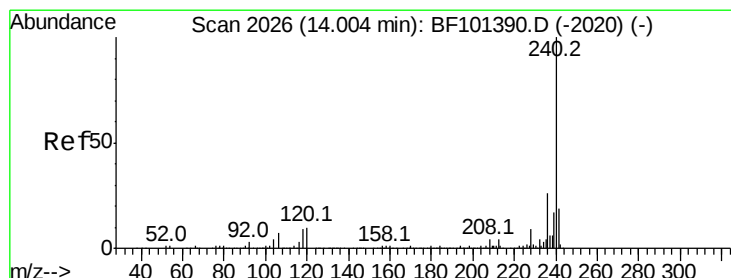
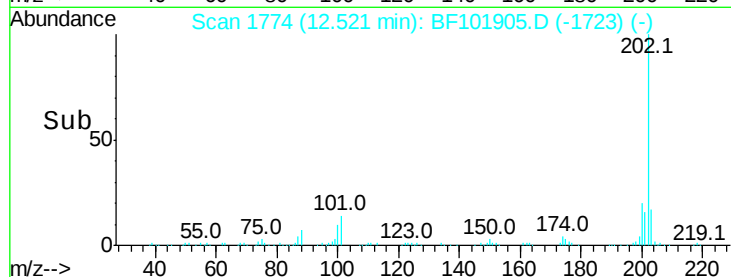
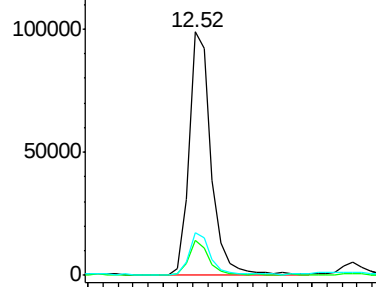
#74
Fluoranthene
Concen: 7.424 ng
RT: 12.52 min Scan# 1774
Delta R.T. 0.00 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	34.1
203	17.3	0.0	38.1

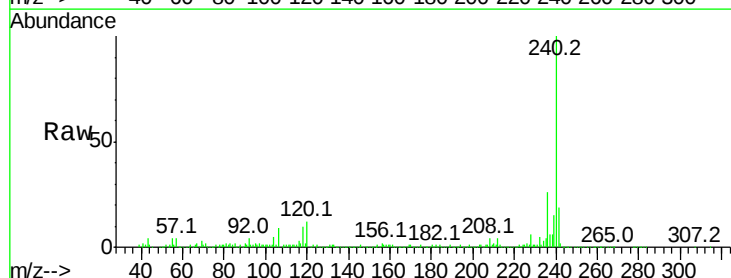


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

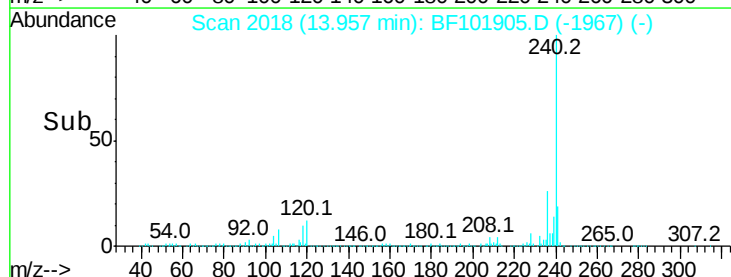
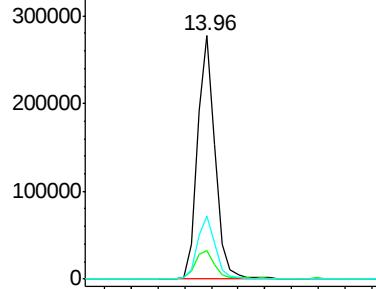


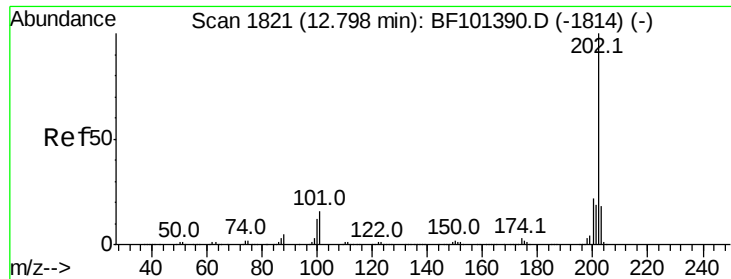
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	25.9	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

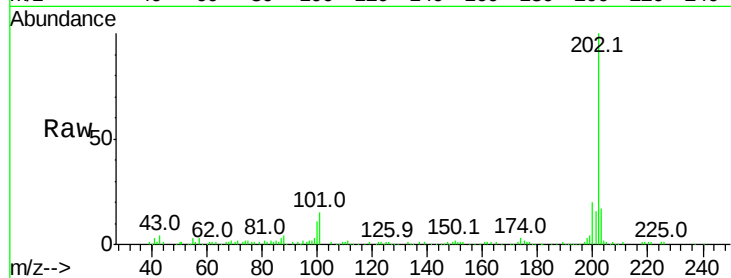




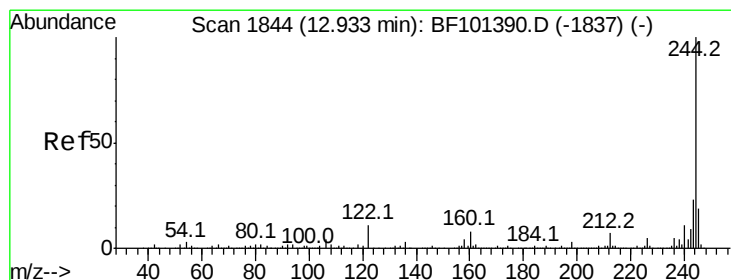
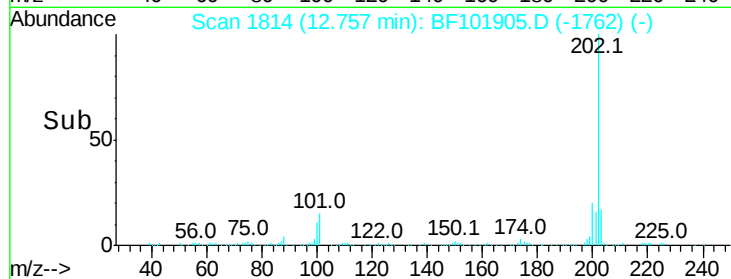
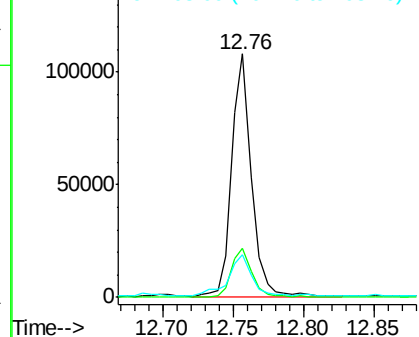
#77
Pvrene
Concen: 5.445 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 104754
Ion Ratio Lower Upper
202 100
200 20.0 17.4 26.2
203 17.3 14.3 21.5

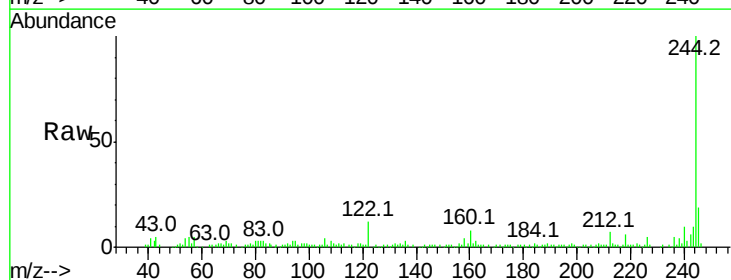


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

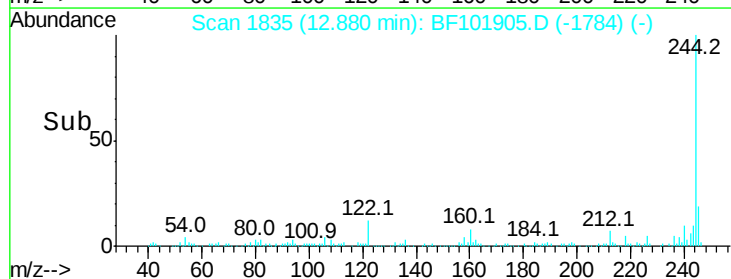
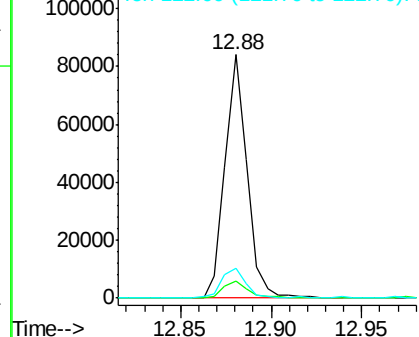


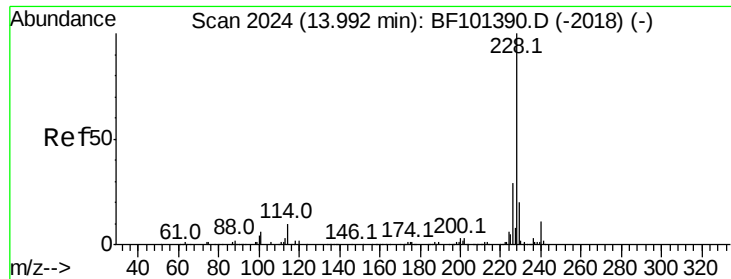
#78
Terphenyl-d14
Concen: 6.701 ng
RT: 12.88 min Scan# 1835
Delta R.T. 0.00 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

Tgt Ion:244 Resp: 71248
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 12.3 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

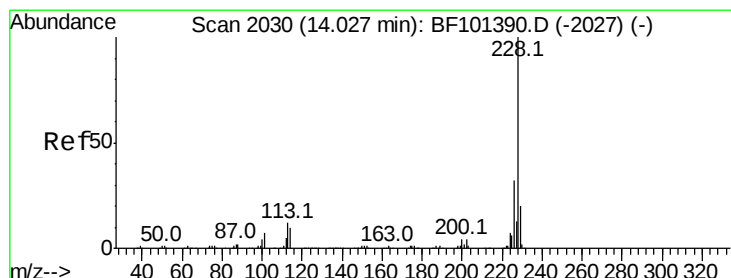
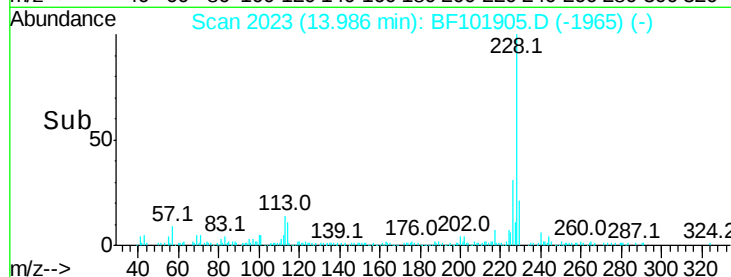
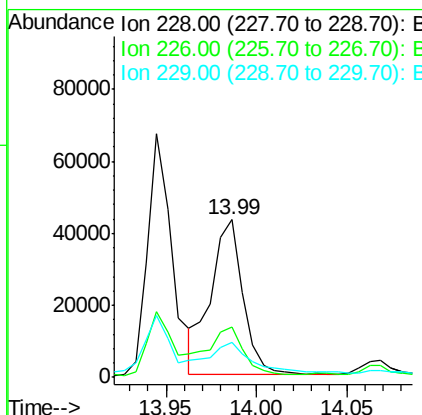
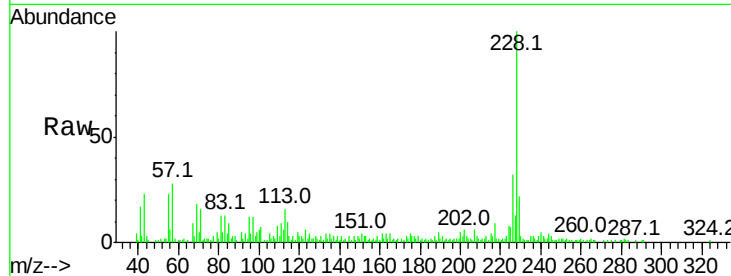




#80
Benzo(a)anthracene
Concen: 3.171 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.04 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

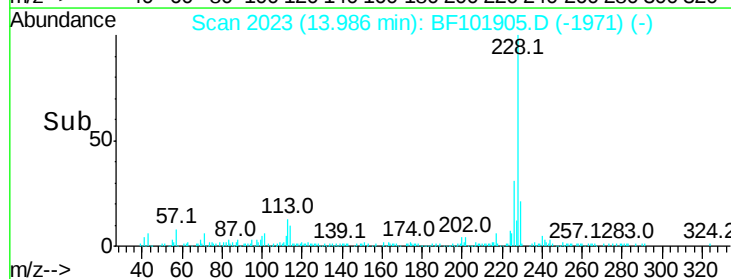
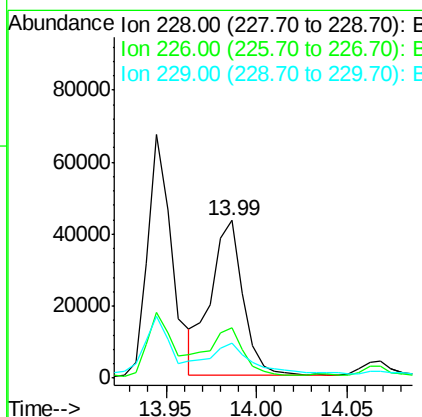
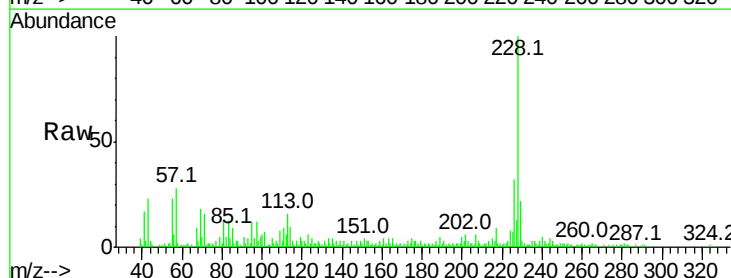
Instrument :
BNA_F
ClientSampleId :

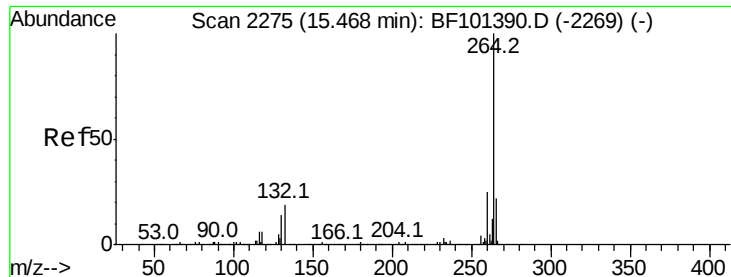
Tot Ion:228 Resp: 53672
Ion Ratio Lower Upper
228 100
226 32.2 22.6 33.8
229 22.3 15.8 23.6



#82
Chrysene
Concen: 3.358 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

Tgt Ion:228 Resp: 53672
Ion Ratio Lower Upper
228 100
226 32.2 25.0 37.6
229 22.3 16.2 24.4

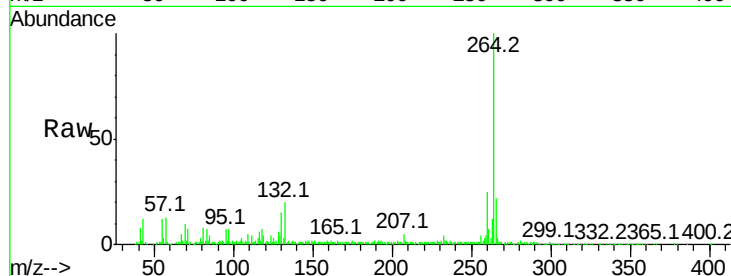




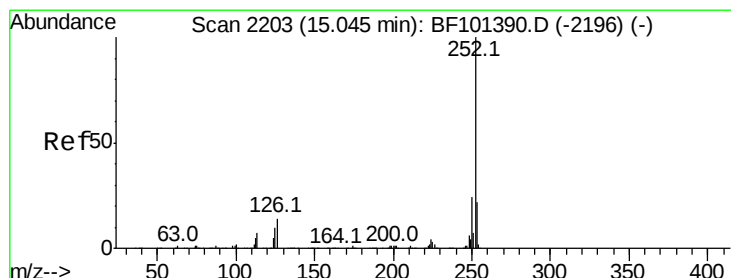
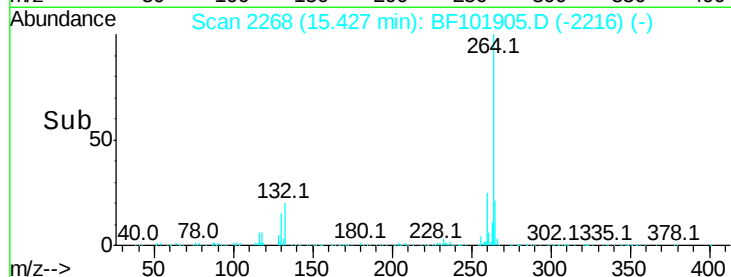
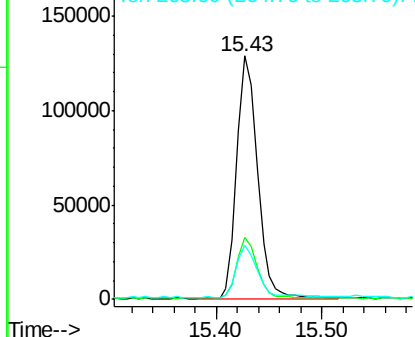
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 174266
Ion Ratio Lower Upper
264 100
260 25.2 19.2 28.8
265 22.0 17.5 26.3

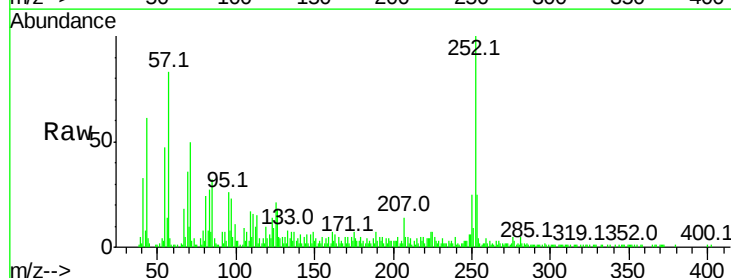


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

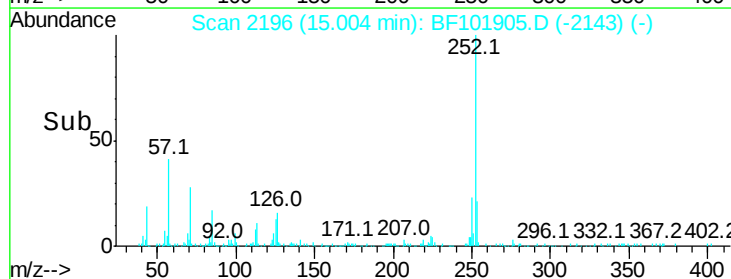
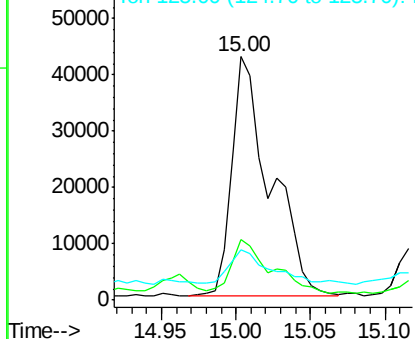


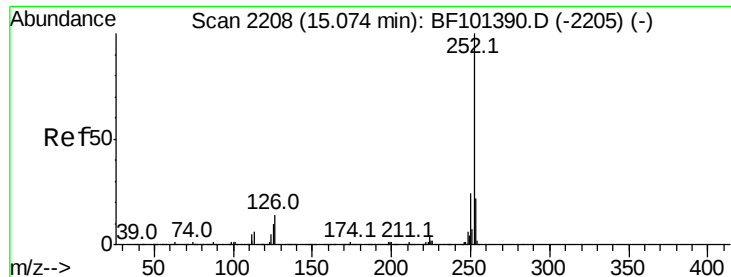
#87
Benzo(b)fluoranthene
Concen: 7.191 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF101905.D
Acq: 4 Jan 2018 21:43

Tgt Ion:252 Resp: 76385
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.6
125 20.5 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: 7.396 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.02 min

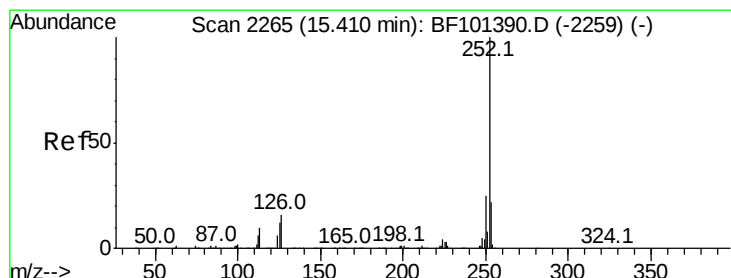
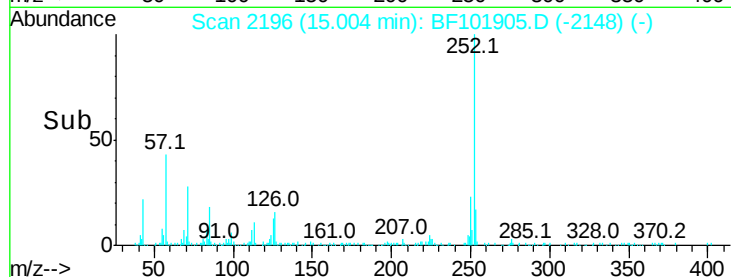
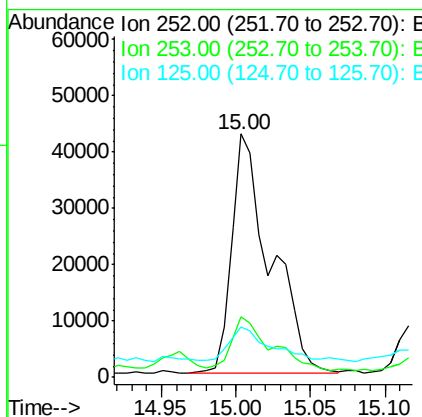
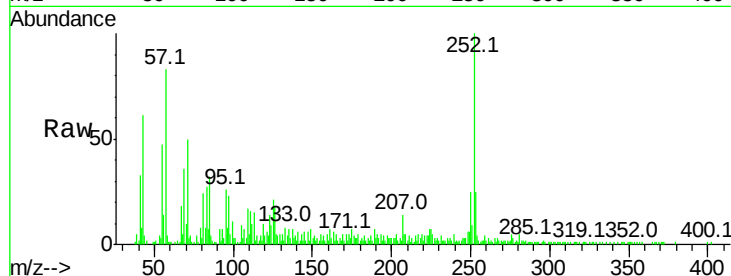
Lab File: BF101905.D

Acq: 4 Jan 2018 21:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 76385

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	20.5	10.2	15.2#



#89

Benzo(a)pyrene

Concen: 3.845 ng

RT: 15.37 min Scan# 2259

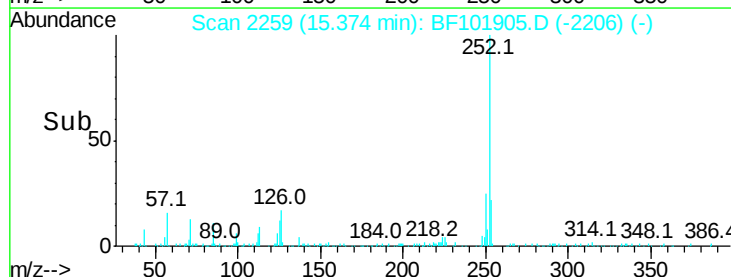
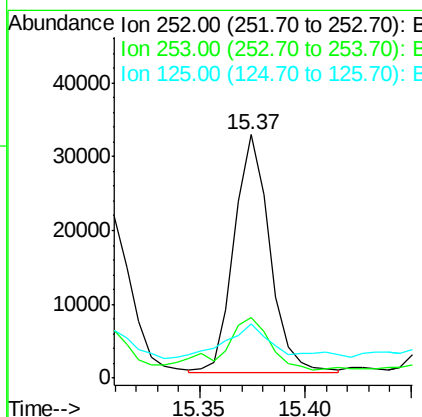
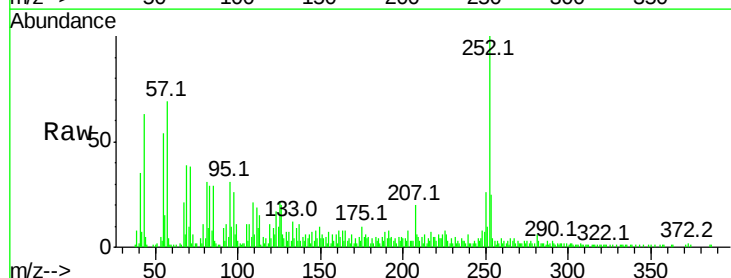
Delta R.T. 0.01 min

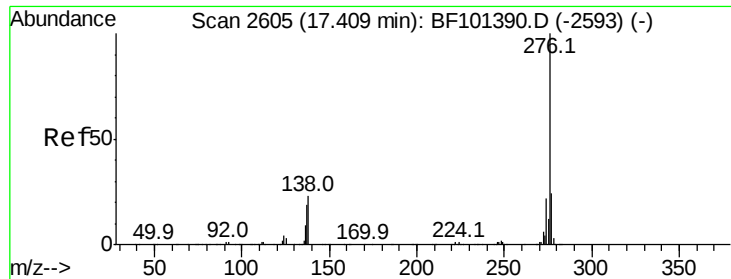
Lab File: BF101905.D

Acq: 4 Jan 2018 21:43

Tgt Ion:252 Resp: 37645

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	22.4	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.101 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.05 min
 Lab File: BF101905.D
 Acq: 4 Jan 2018 21:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 17490
 Ion Ratio Lower Upper
 276 100
 277 30.5 17.9 26.9#
 138 24.1 21.8 32.8

