

Data Path : U:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101903.D
 Acq On : 4 Jan 2018 20:49
 Operator : SJ/JU
 Sample : J1012-13 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 23:55:30 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

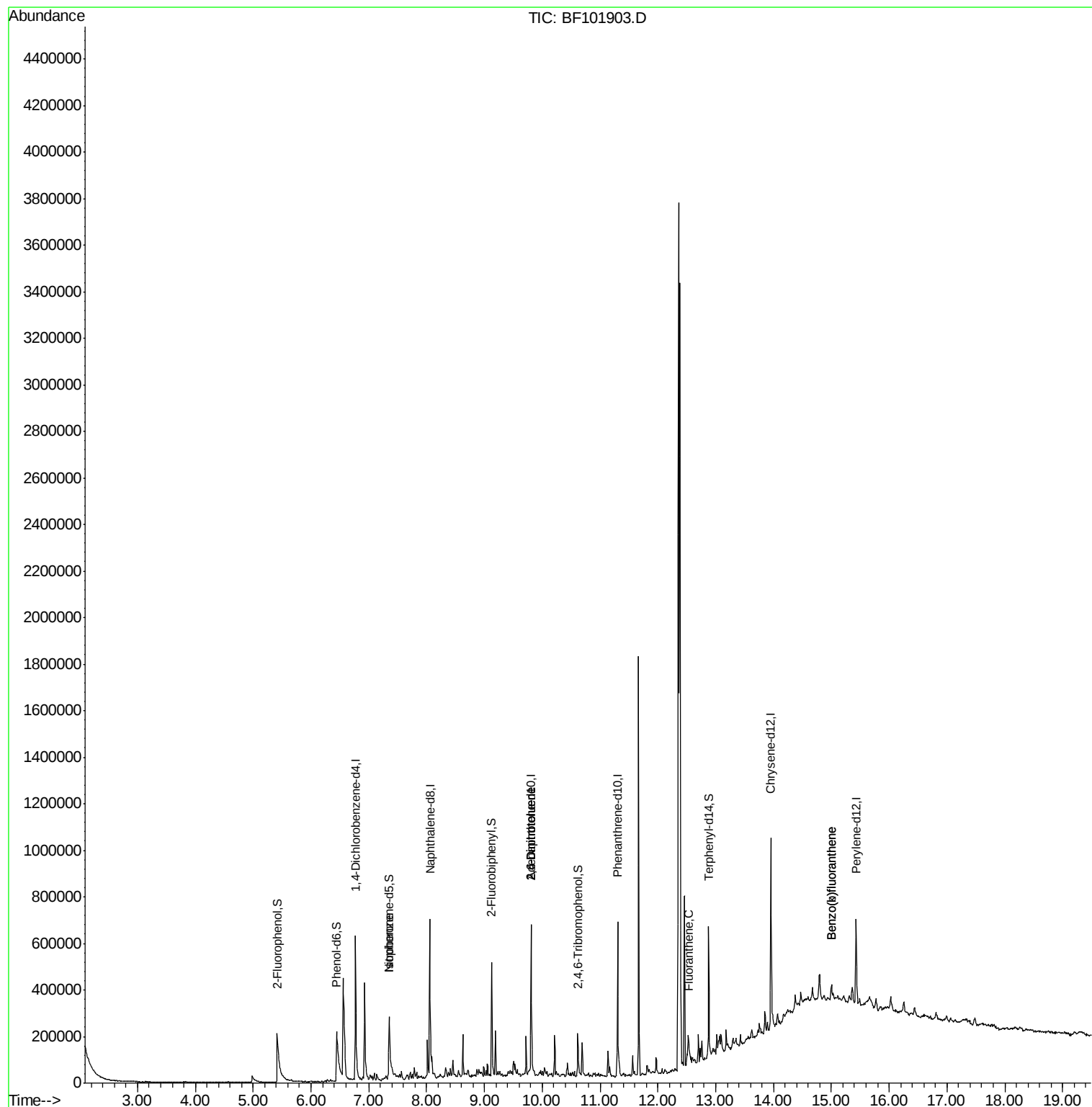
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	114398	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	402461	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	136123	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	244506	20.00	ng	0.00
75) Chrysene-d12	13.96	240	269233	20.00	ng	0.00
86) Perylene-d12	15.43	264	195277	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	179835	23.42	ng	0.02
7) Phenol-d6	6.45	99	217658	22.77	ng	0.02
23) Nitrobenzene-d5	7.36	82	129418	17.90	ng	0.01
41) 2,4,6-Tribromophenol	10.62	330	23612	18.00	ng	0.01
44) 2-Fluorobiphenyl	9.12	172	176048	20.06	ng	0.00
78) Terphenyl-d14	12.88	244	171121	15.32	ng	0.00
Target Compounds						
25) Isophorone	7.36	82	129418	8.923	ng	# 65
50) 2,6-Dinitrotoluene	9.81	165	18611	8.363	ng	# 24
56) 2,4-Dinitrotoluene	9.81	165	18611	7.423	ng	# 21
74) Fluoranthene	12.53	202	35062	2.457	ng	97
87) Benzo(b)fluoranthene	15.01	252	24053	2.021	ng	# 68
88) Benzo(k)fluoranthene	15.01	252	24053	2.078	ng	# 71

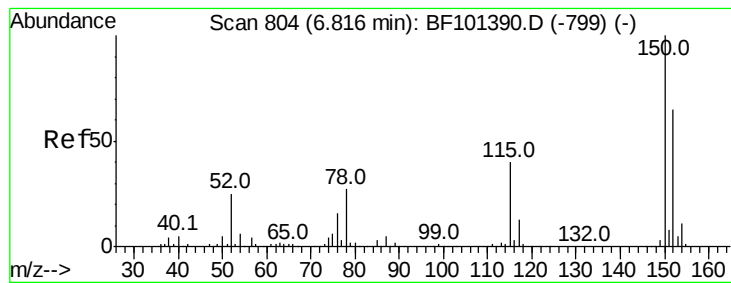
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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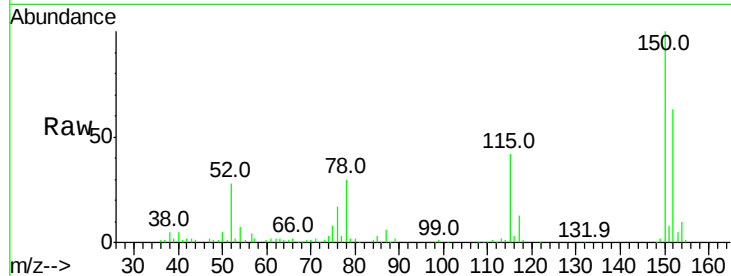


#1

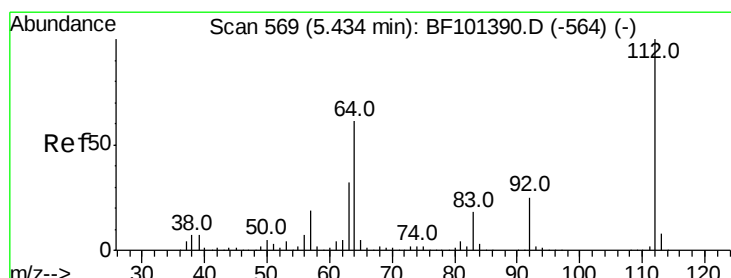
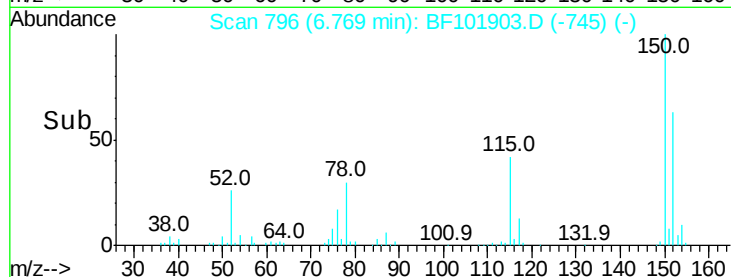
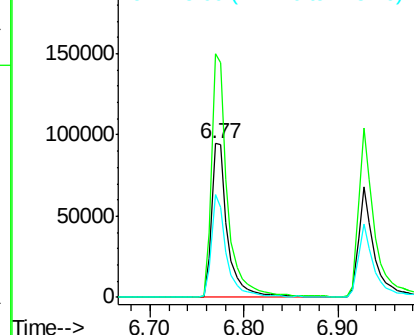
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101903.D
Acq: 4 Jan 2018 20:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114398
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 67.3 50.1 75.1



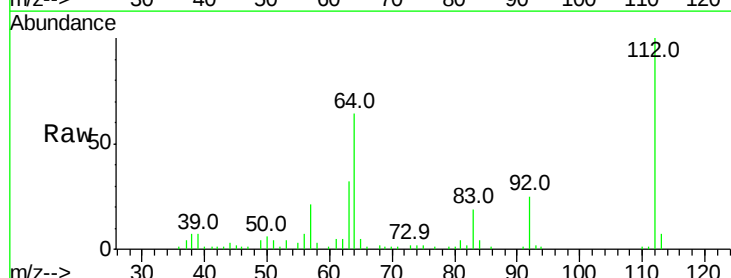
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



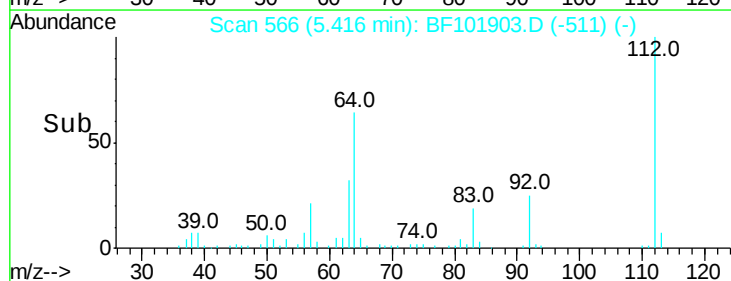
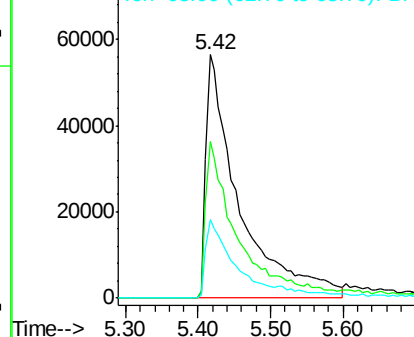
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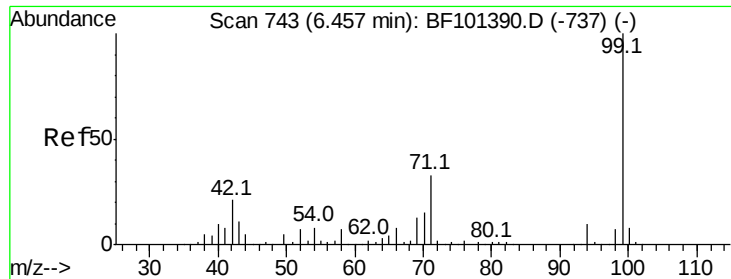
2-Fluorophenol
Concen: 23.416 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.02 min
Lab File: BF101903.D
Acq: 4 Jan 2018 20:49

Tgt Ion:112 Resp: 179835
Ion Ratio Lower Upper
112 100
64 64.2 47.9 71.9
63 32.5 23.7 35.5



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





#7

Phenol-d6

Concen: 22.773 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.02 min

Lab File: BF101903.D

Acq: 4 Jan 2018 20:49

Instrument :

BNA_F

ClientSampleId :

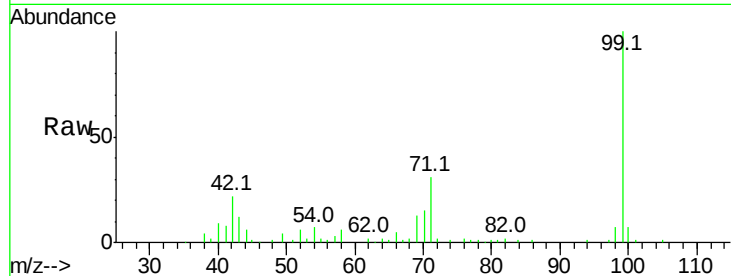
Tot Ion: 99 Resp: 217658

Ion Ratio Lower Upper

99 100

42 22.2 14.5 21.7#

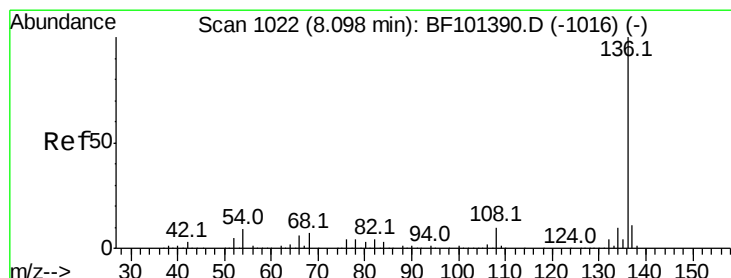
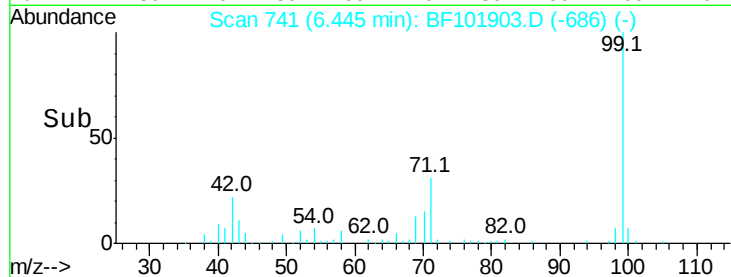
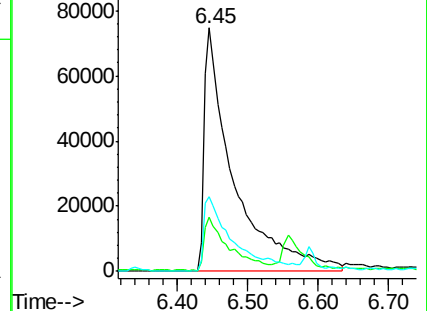
71 30.7 25.4 38.0



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: 8.06 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF101903.D

Acq: 4 Jan 2018 20:49

Tgt Ion: 136 Resp: 402461

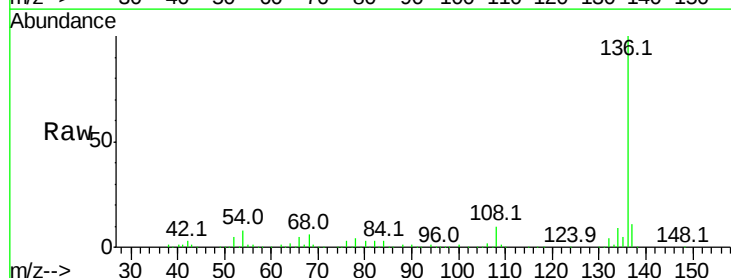
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.5 6.6 9.8

68 6.1 5.0 7.4

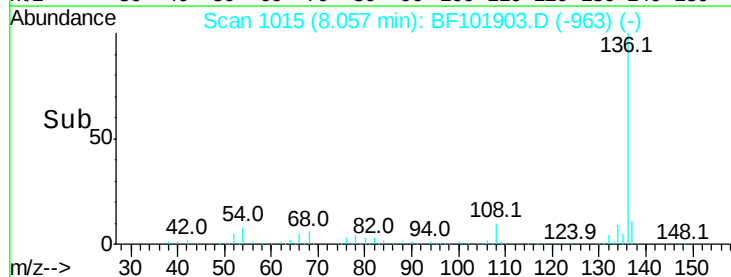
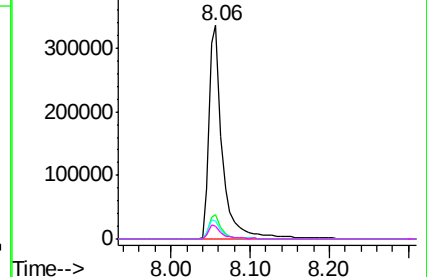


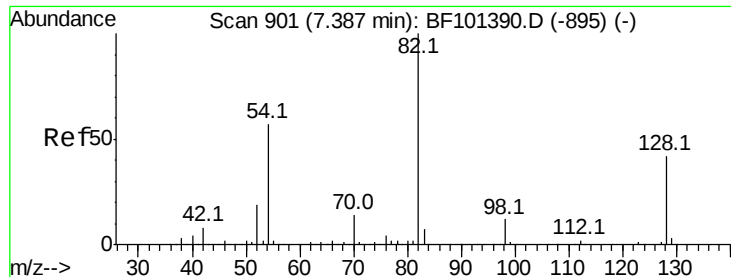
Abundance Ion 136.00 (135.70 to 136.70): E

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

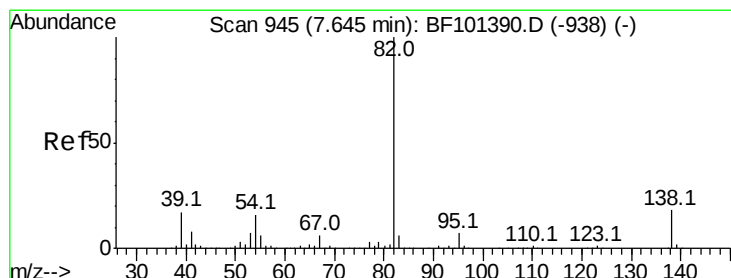
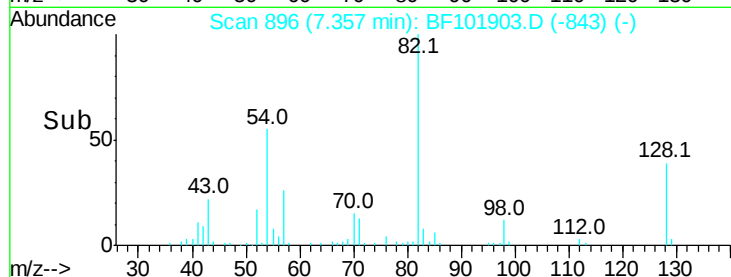
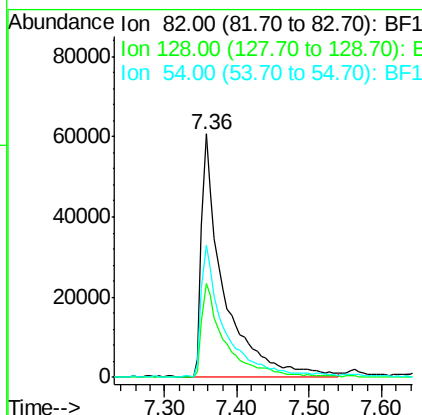
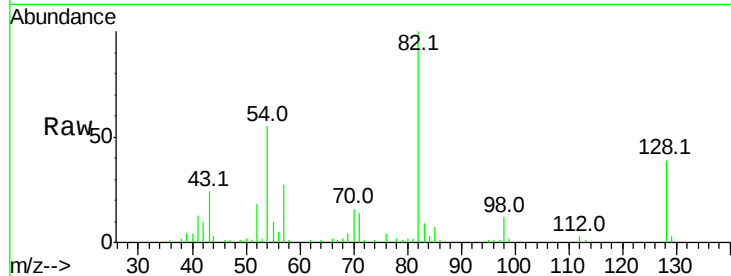




#23
 Nitrobenzene-d5
 Concen: 17.900 ng
 RT: 7.36 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: BF101903.D
 Acq: 4 Jan 2018 20:49

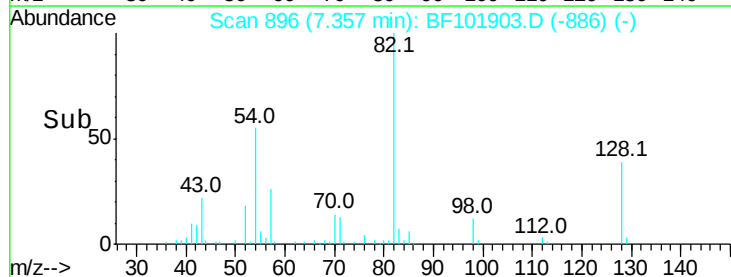
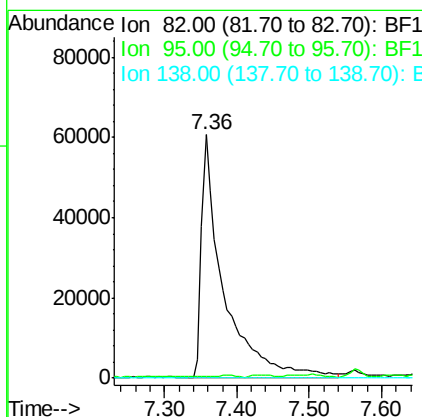
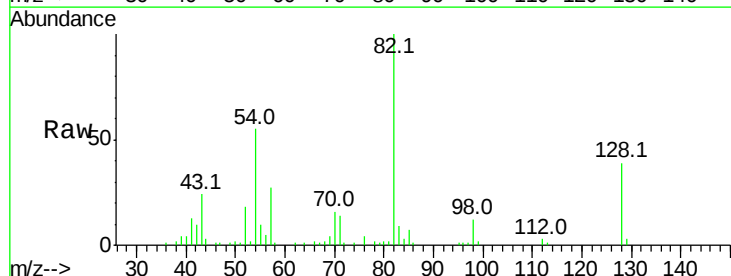
Instrument :
 BNA_F
 ClientSampled :

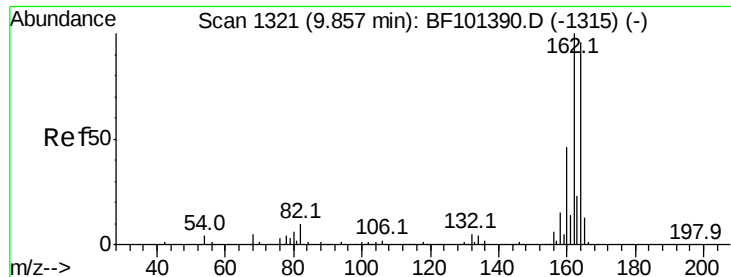
Tot Ion	82	Resp	129418
Ion Ratio	100	Lower	Upper
128	38.7	36.1	54.1
54	54.6	41.4	62.2



#25
 Isophorone
 Concen: 8.923 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.24 min
 Lab File: BF101903.D
 Acq: 4 Jan 2018 20:49

Tgt Ion	82	Resp	129418
Ion Ratio	100	Lower	Upper
95	0.6	5.2	7.8#
138	0.0	14.9	22.3#

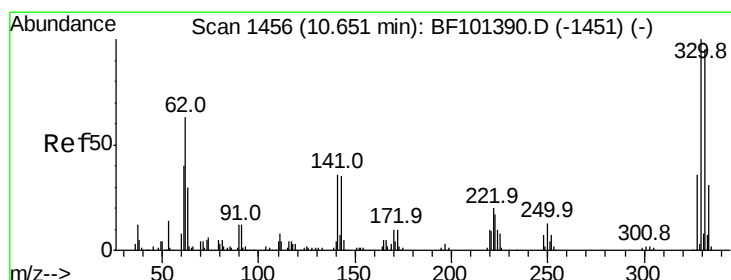
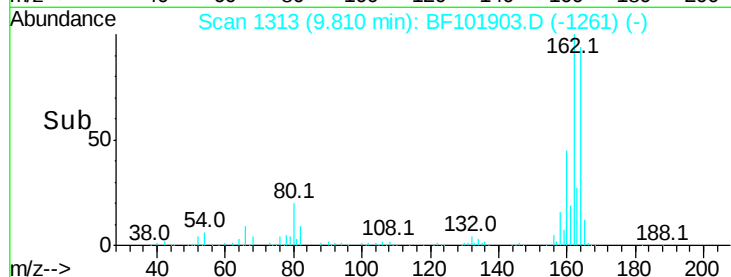
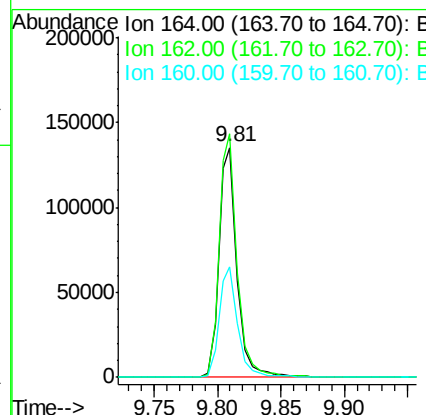
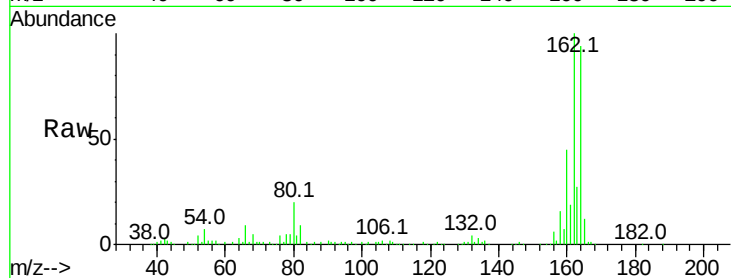




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.01 min
 Lab File: BF101903.D
 Acq: 4 Jan 2018 20:49

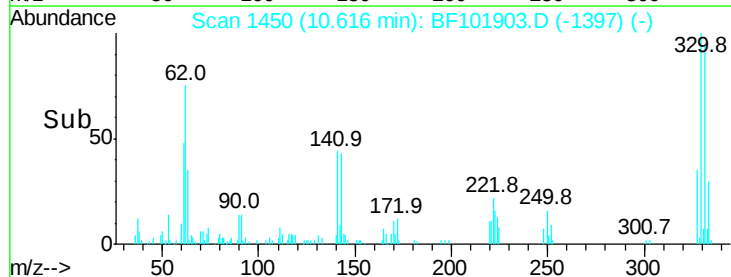
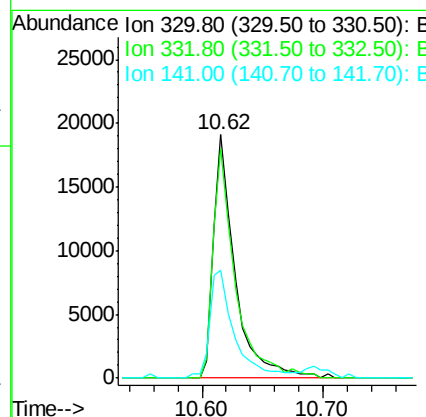
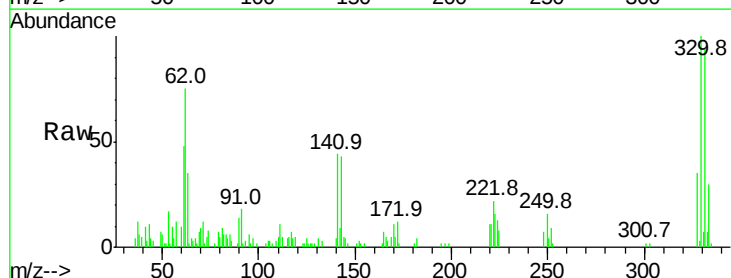
Instrument :
 BNA_F
 ClientSampleId :

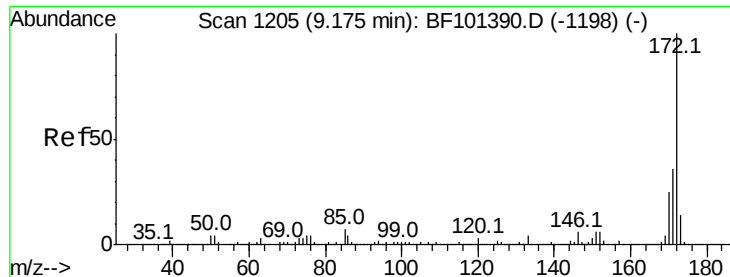
Tot Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.1	129.1
160	48.2	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 18.002 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF101903.D
 Acq: 4 Jan 2018 20:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	50.9	29.9	44.9#

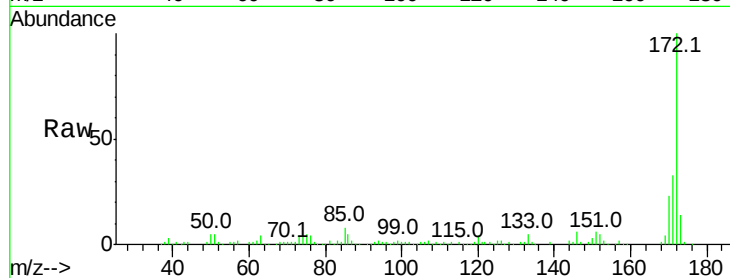




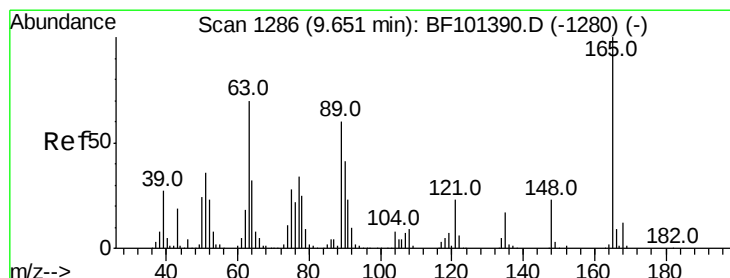
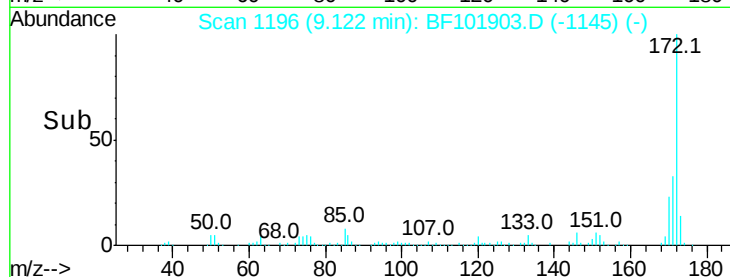
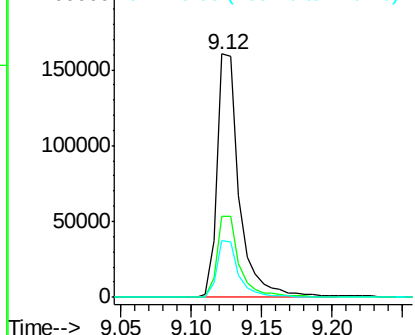
#44
 2-Fluorobiphenyl
 Concen: 20.062 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF101903.D
 Acq: 4 Jan 2018 20:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 176048
 Ion Ratio Lower Upper
 172 100
 171 33.3 29.7 44.5
 170 23.4 19.6 29.4

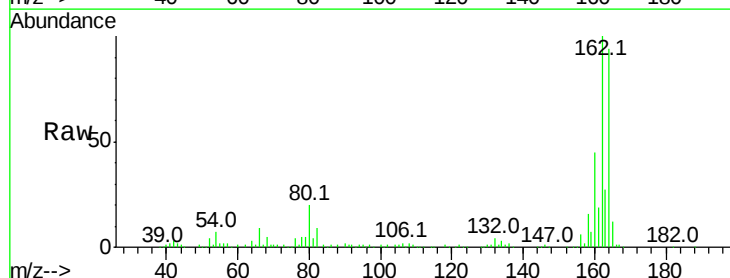


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

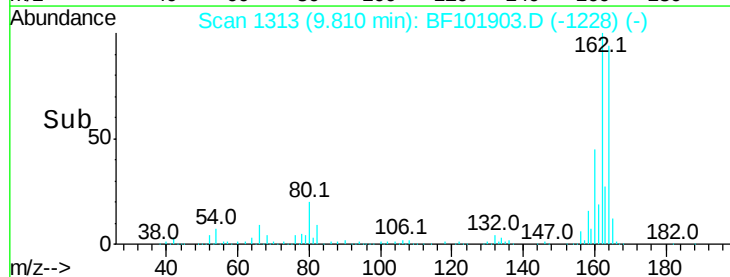
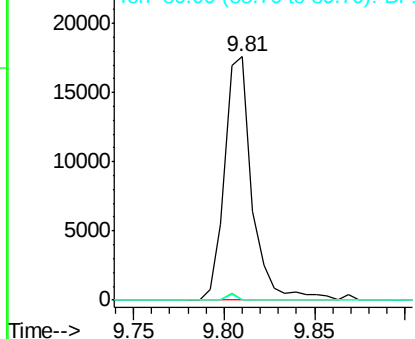


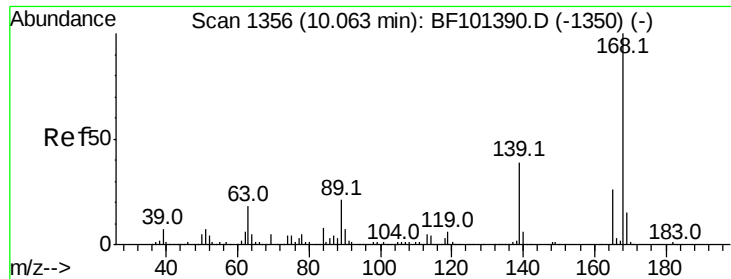
#50
 2,6-Dinitrotoluene
 Concen: 8.363 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.20 min
 Lab File: BF101903.D
 Acq: 4 Jan 2018 20:49

Tgt Ion:165 Resp: 18611
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 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

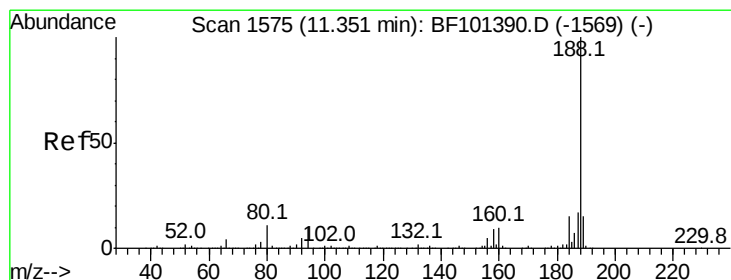
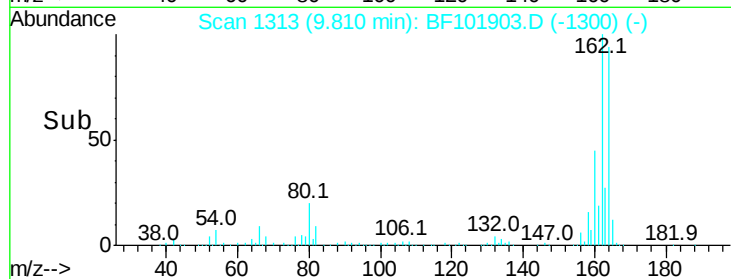
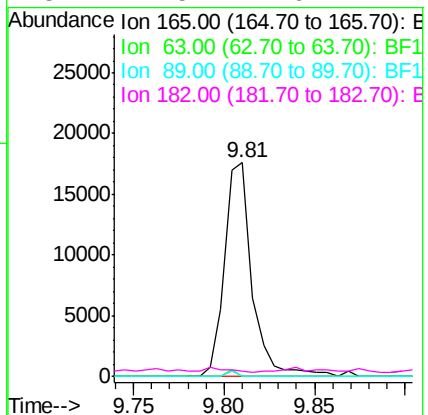
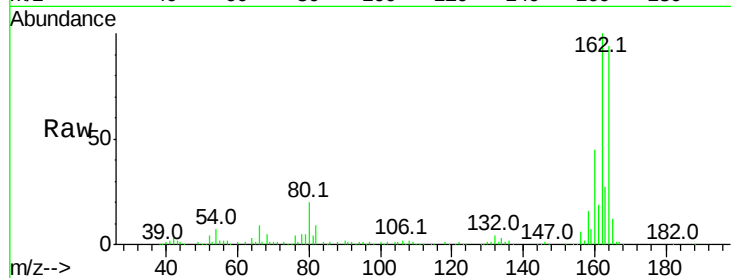




#56
 2,4-Dinitrotoluene
 Concen: 7.423 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.22 min
 Lab File: BF101903.D
 Acq: 4 Jan 2018 20:49

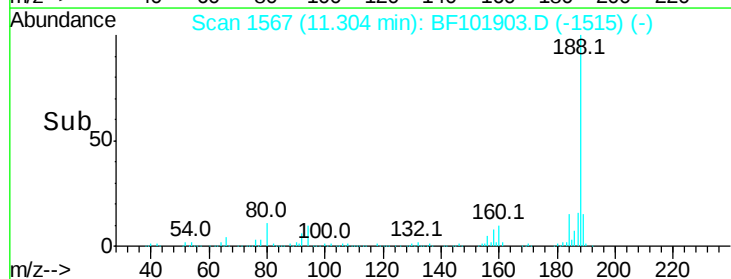
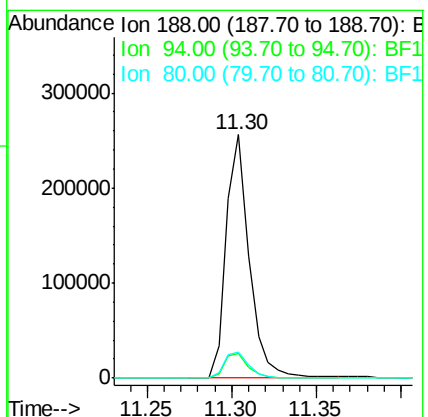
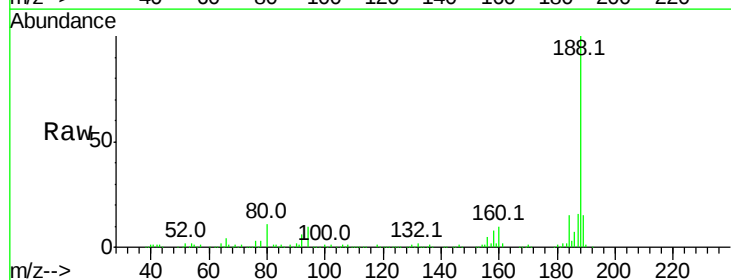
Instrument :
 BNA_F
 ClientSampleId :

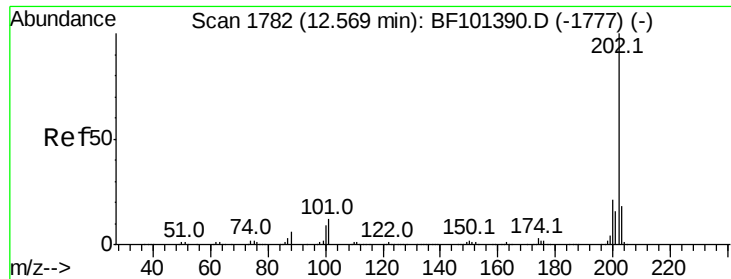
Tot Ion:165 Resp: 18611
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 2.5 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: BF101903.D
 Acq: 4 Jan 2018 20:49

Tgt Ion:188 Resp: 244506
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 10.9 9.2 13.8





#74

Fluoranthene

Concen: 2.457 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.01 min

Lab File: BF101903.D

Acq: 4 Jan 2018 20:49

Instrument :

BNA_F

ClientSampleId :

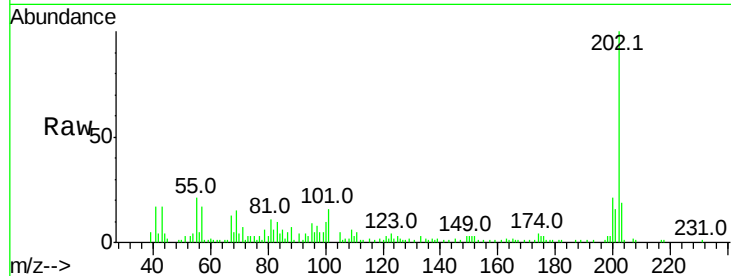
Tot Ion:202 Resp: 35062

Ion Ratio Lower Upper

202 100

101 15.5 0.0 34.1

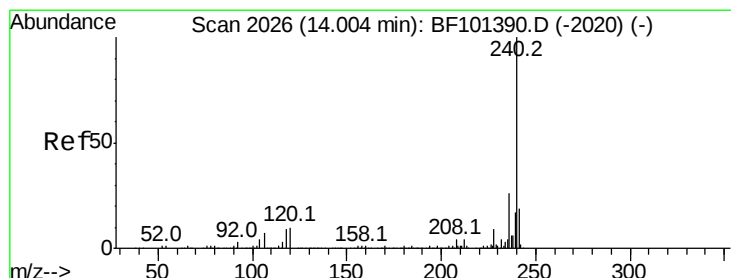
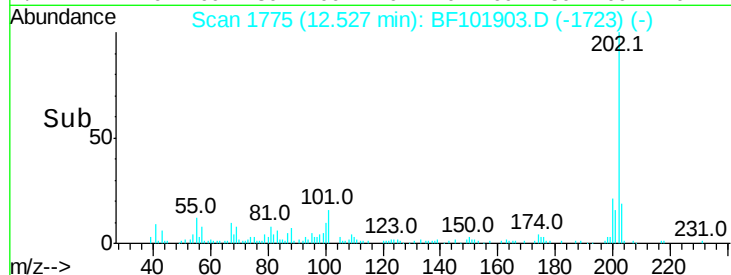
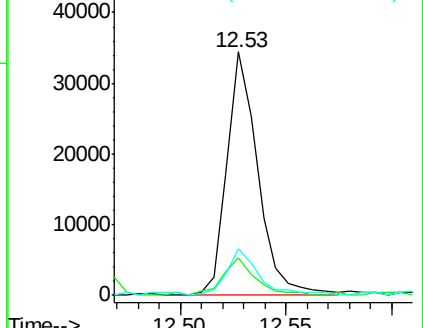
203 19.3 0.0 38.1



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: BF101903.D

Acq: 4 Jan 2018 20:49

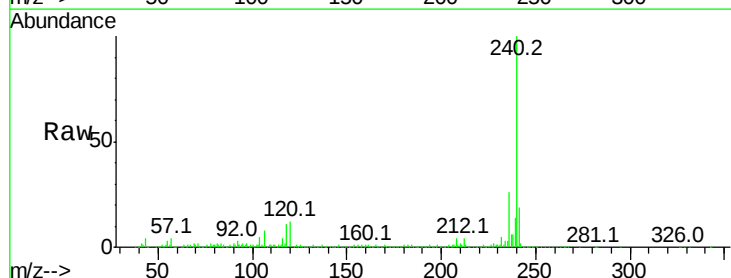
Tgt Ion:240 Resp: 269233

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

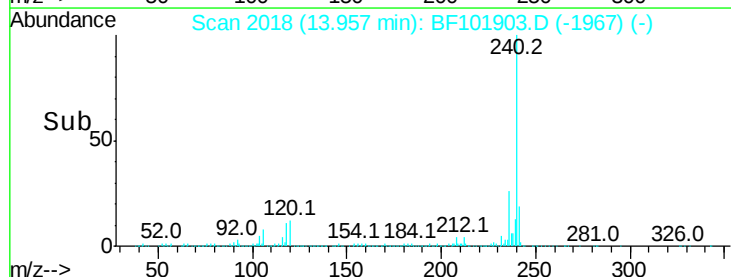
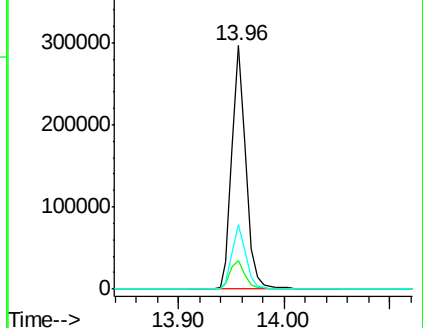
236 26.3 20.7 31.1

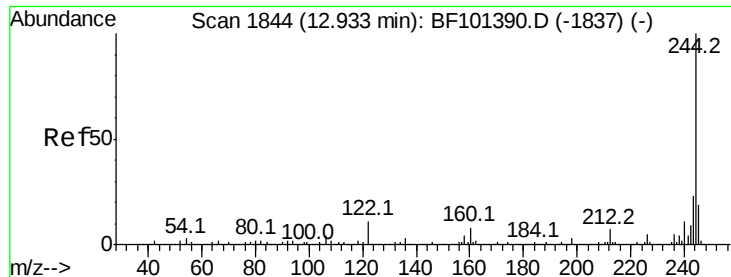


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 15.323 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF101903.D

Acq: 4 Jan 2018 20:49

Instrument :

BNA_F

ClientSampleId :

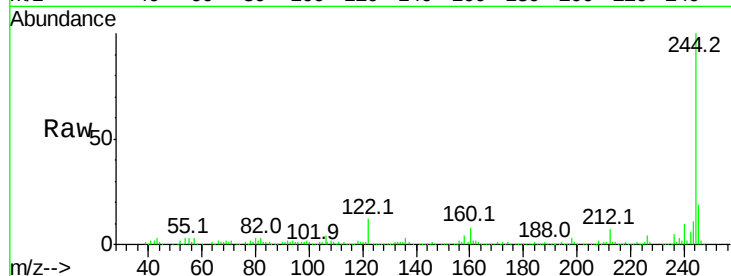
Tot Ion:244 Resp: 171121

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

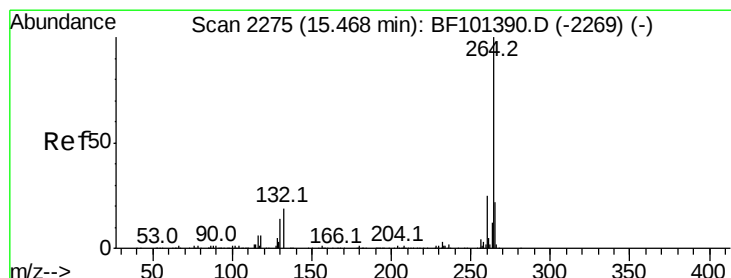
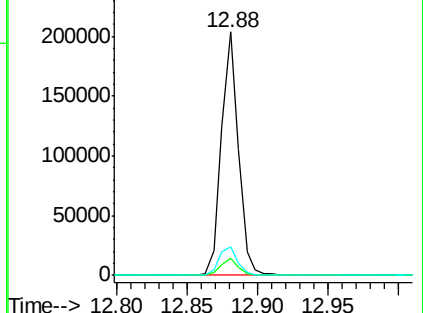
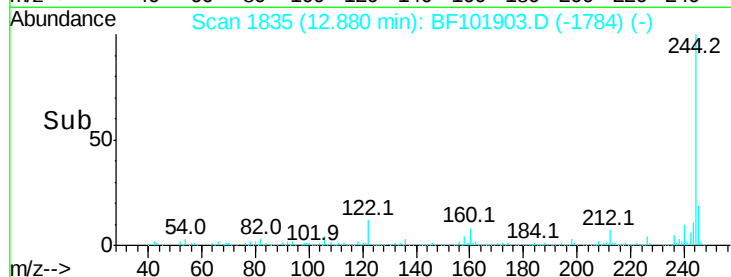
122 11.6 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF101903.D

Acq: 4 Jan 2018 20:49

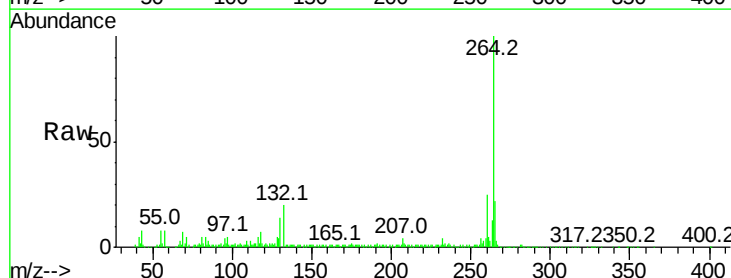
Tgt Ion:264 Resp: 195277

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

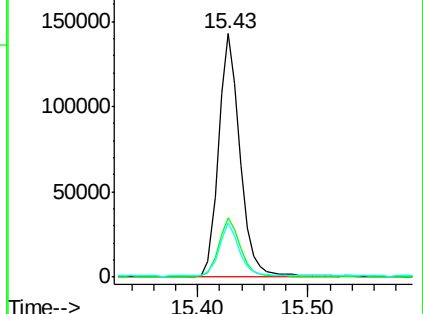
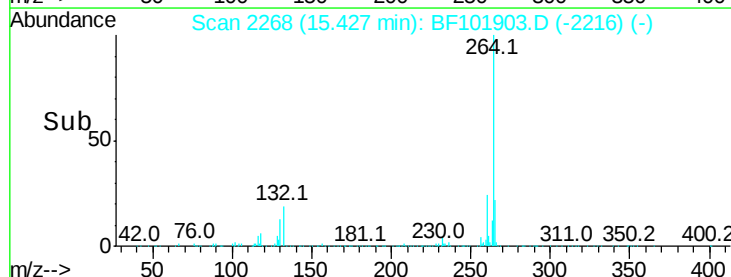
265 22.0 17.5 26.3

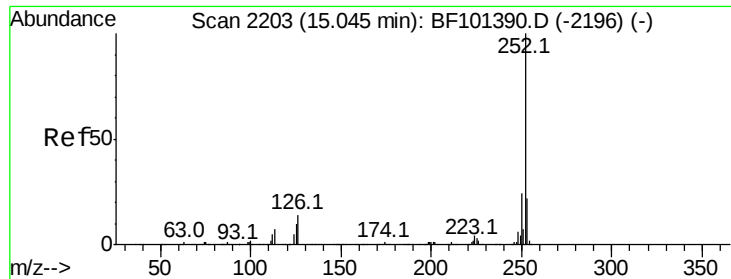


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

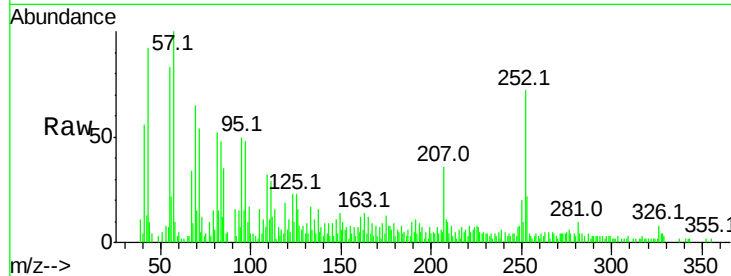




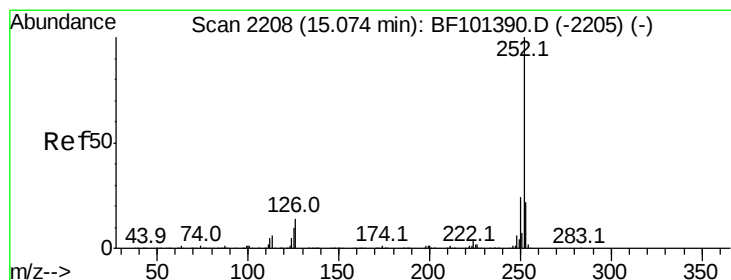
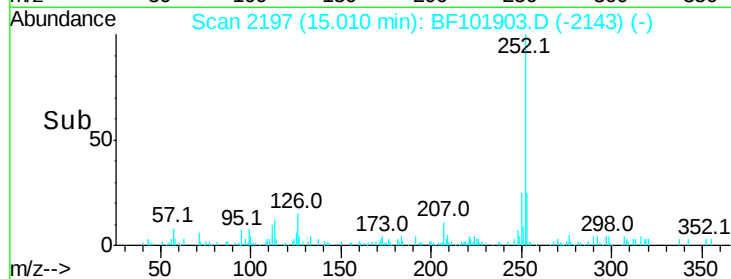
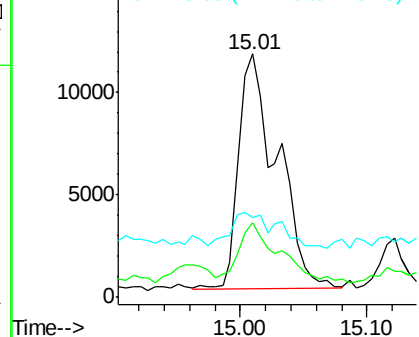
#87
Benzo(b)fluoranthene
Concen: 2.021 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF101903.D
Acq: 4 Jan 2018 20:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 24053
Ion Ratio Lower Upper
252 100
253 30.5 17.0 25.6#
125 32.7 9.0 13.6#

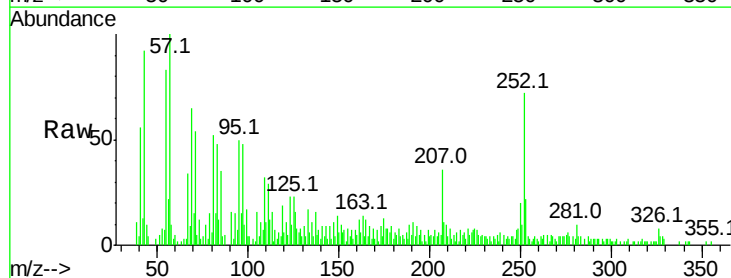


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.078 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF101903.D
Acq: 4 Jan 2018 20:49

Tgt Ion:252 Resp: 24053
Ion Ratio Lower Upper
252 100
253 30.5 17.9 26.9#
125 32.7 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

