

Data Path : U:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101900.D
 Acq On : 4 Jan 2018 19:28
 Operator : SJ/JU
 Sample : J1012-07 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 23:54:33 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

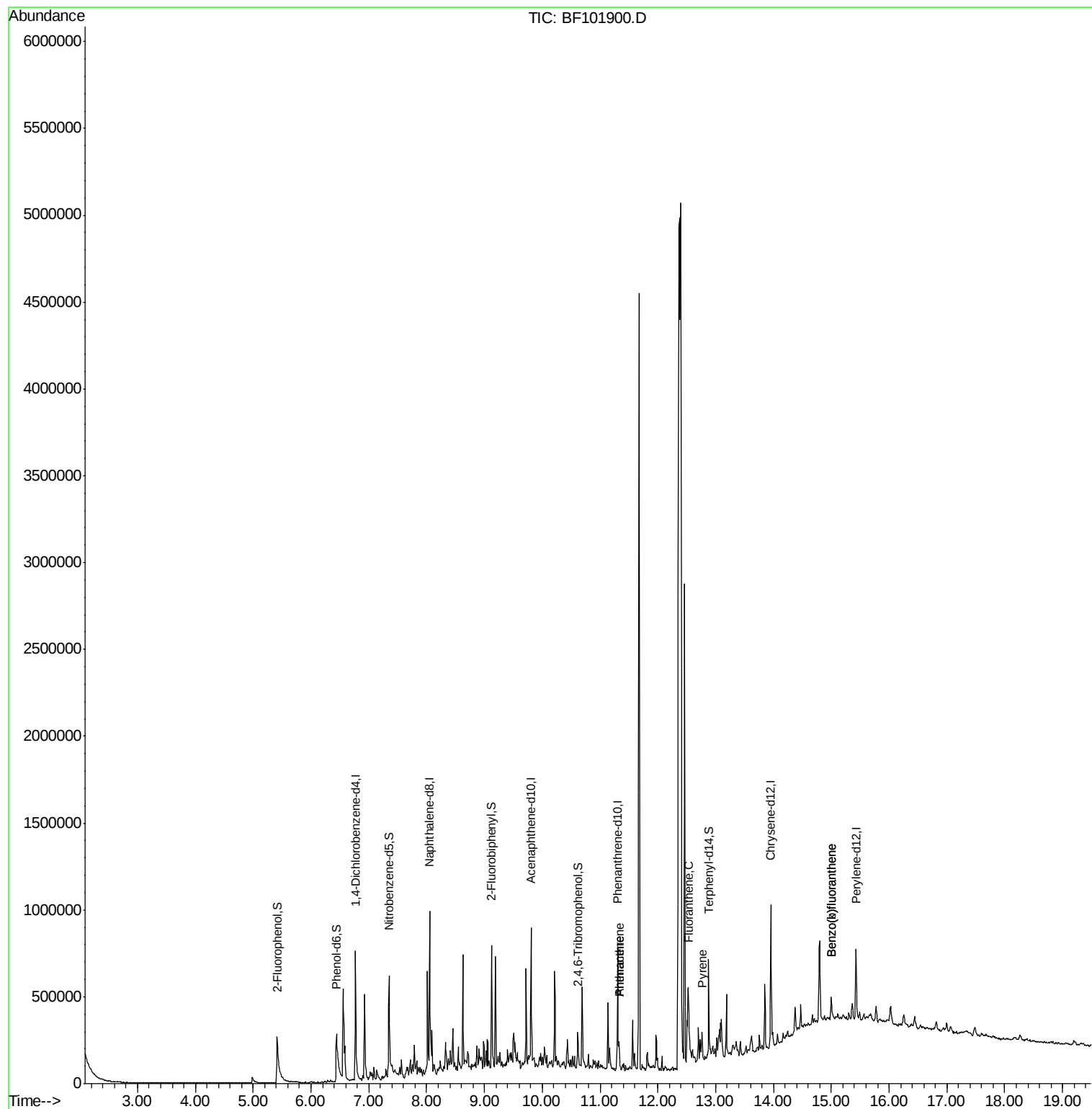
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	126118	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	470022	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	166791	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	260435	20.00	ng	0.00
75) Chrysene-d12	13.96	240	284822	20.00	ng	0.00
86) Perylene-d12	15.43	264	219177	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	210368	24.85	ng	0.02
7) Phenol-d6	6.44	99	263888	25.04	ng	0.02
23) Nitrobenzene-d5	7.35	82	151018	17.89	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	26821	16.69	ng	0.01
44) 2-Fluorobiphenyl	9.12	172	224109	20.84	ng	0.00
78) Terphenyl-d14	12.88	244	172728	14.62	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.33	178	56312	3.888	ng	98
71) Anthracene	11.33	178	56312	3.806	ng	99
74) Fluoranthene	12.53	202	68136	4.482	ng	96
77) Pyrene	12.76	202	64570	3.021	ng	99
87) Benzo(b)fluoranthene	15.01	252	36779	2.753	ng	# 81
88) Benzo(k)fluoranthene	15.01	252	36779	2.832	ng	# 84

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

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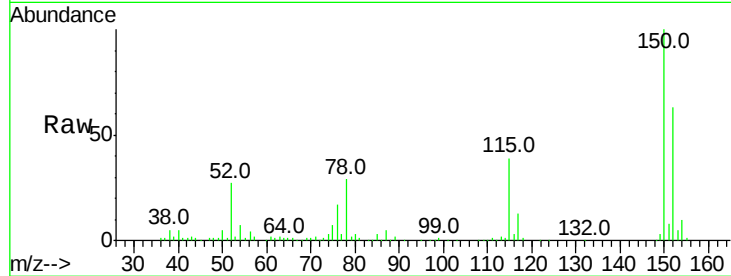


#1

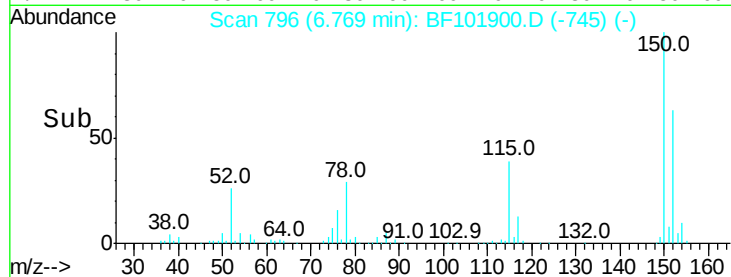
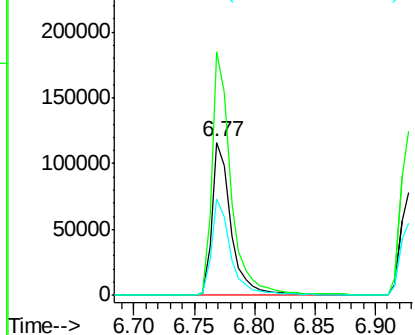
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101900.D
Acq: 4 Jan 2018 19:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 126118
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 62.7 50.1 75.1



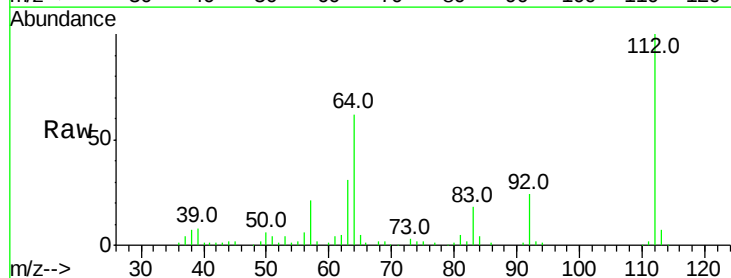
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



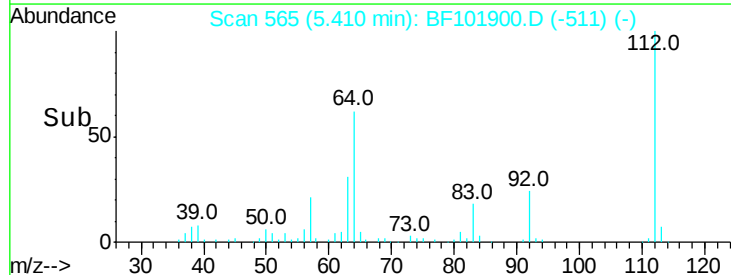
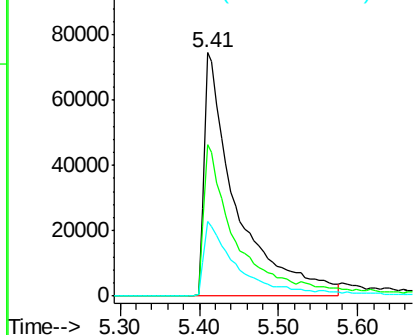
#5

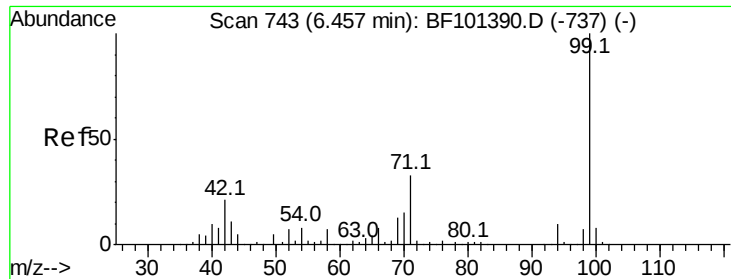
2-Fluorophenol
Concen: 24.847 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.02 min
Lab File: BF101900.D
Acq: 4 Jan 2018 19:28

Tgt Ion:112 Resp: 210368
Ion Ratio Lower Upper
112 100
64 62.3 47.9 71.9
63 30.6 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: 25.044 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.02 min

Lab File: BF101900.D

Acq: 4 Jan 2018 19:28

Instrument :

BNA_F

ClientSampleId :

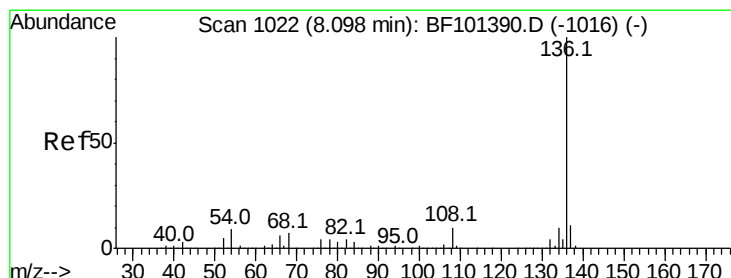
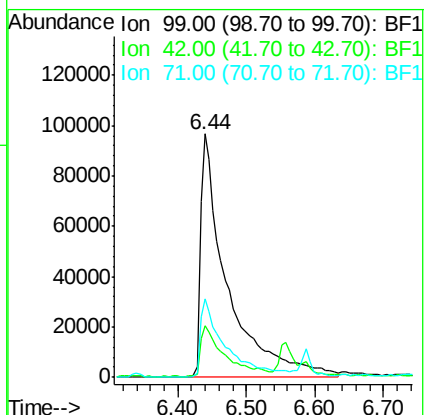
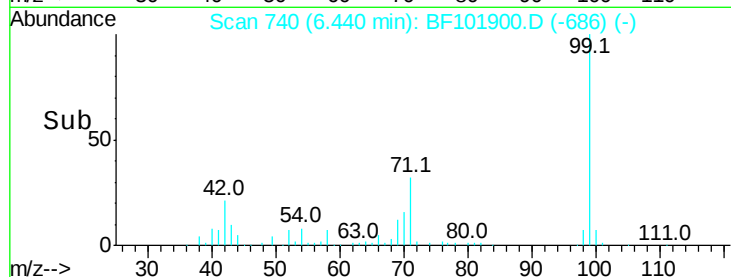
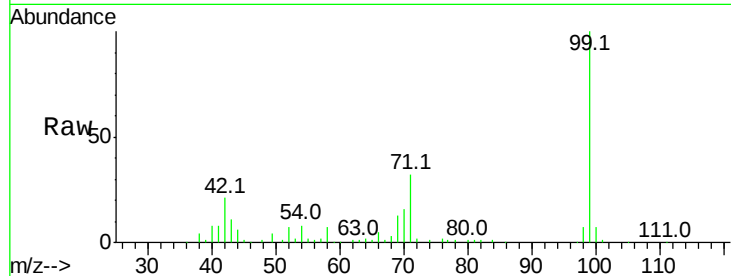
Tot Ion: 99 Resp: 263888

Ion Ratio Lower Upper

99 100

42 21.3 14.5 21.7

71 32.1 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF101900.D

Acq: 4 Jan 2018 19:28

Tgt Ion: 136 Resp: 470022

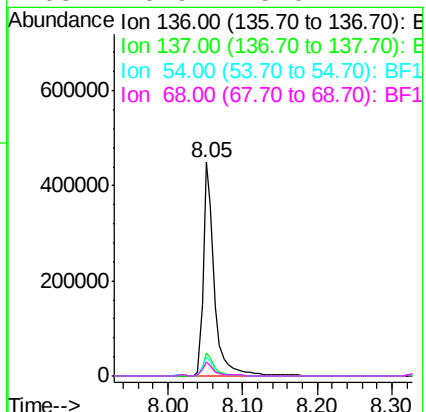
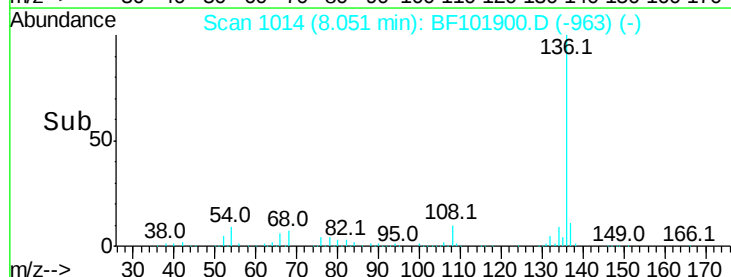
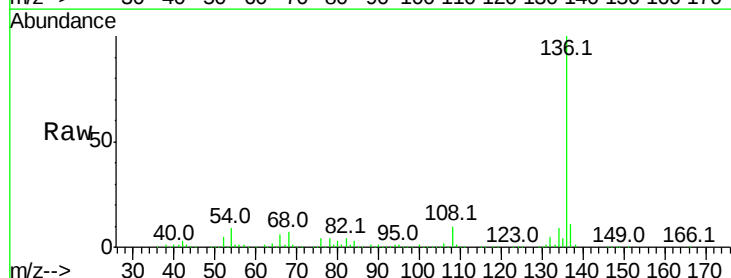
Ion Ratio Lower Upper

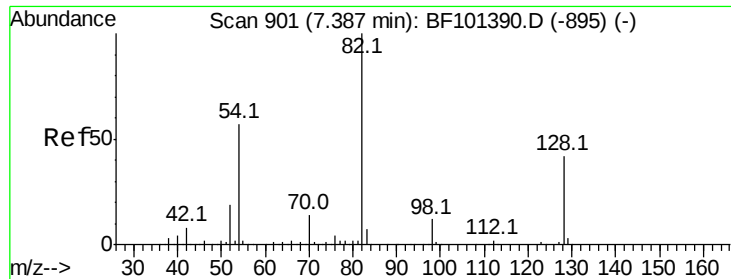
136 100

137 10.9 8.9 13.3

54 9.1 6.6 9.8

68 6.9 5.0 7.4

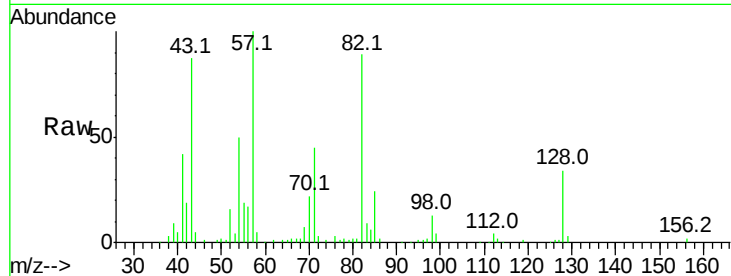




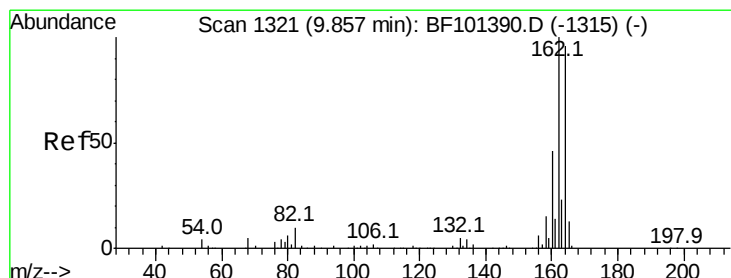
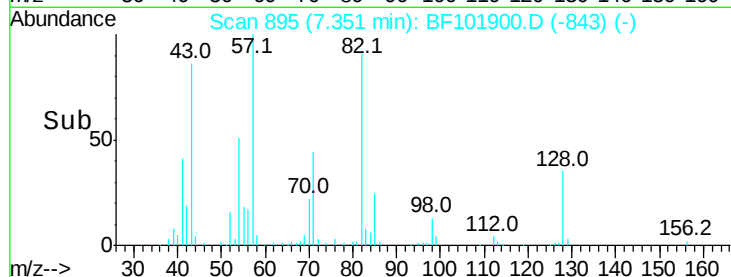
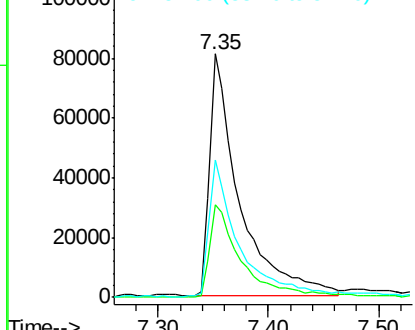
#23
 Nitrobenzene-d5
 Concen: 17.885 ng
 RT: 7.35 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: BF101900.D
 Acq: 4 Jan 2018 19:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 151018
 Ion Ratio Lower Upper
 82 100
 128 38.1 36.1 54.1
 54 56.6 41.4 62.2

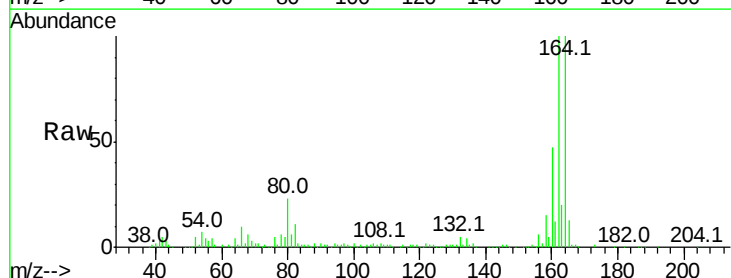


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

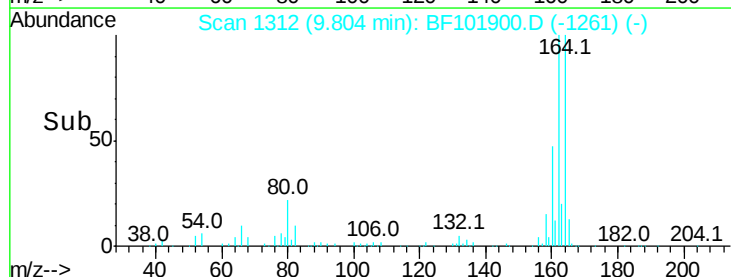
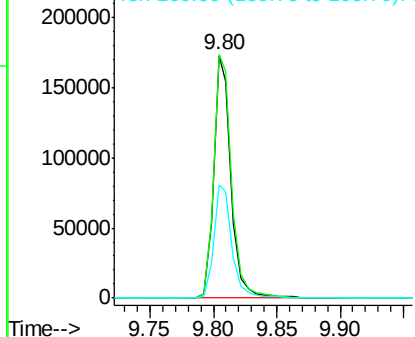


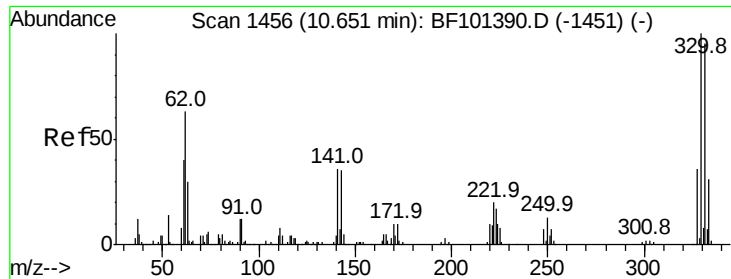
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: BF101900.D
 Acq: 4 Jan 2018 19:28

Tgt Ion:164 Resp: 166791
 Ion Ratio Lower Upper
 164 100
 162 100.4 86.1 129.1
 160 46.9 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

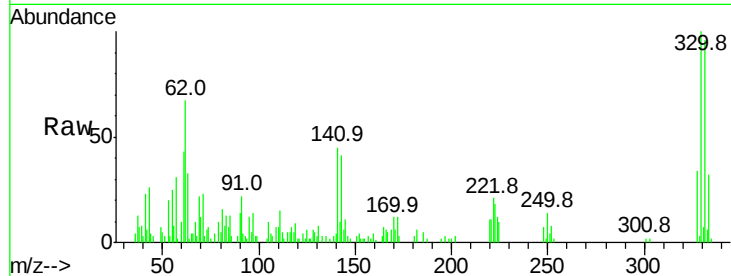




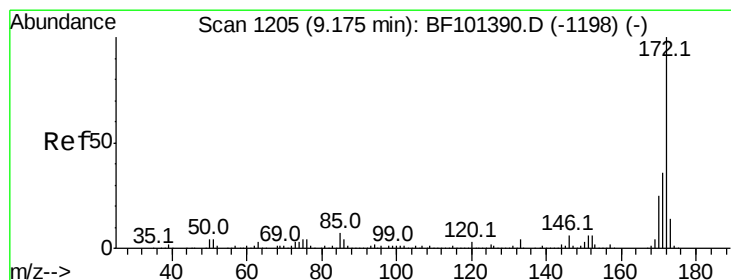
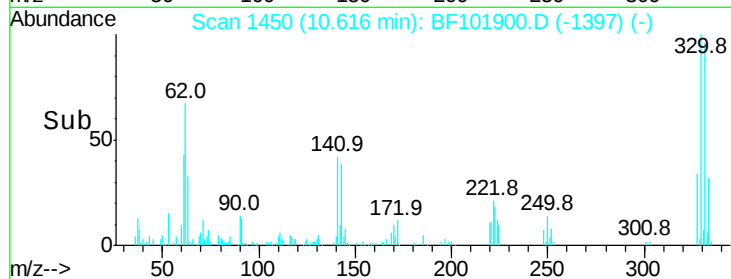
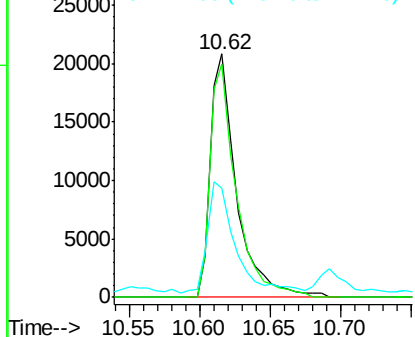
#41
 2,4,6-Tribromophenol
 Concen: 16.688 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF101900.D
 Acq: 4 Jan 2018 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 26821
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 49.0 29.9 44.9#

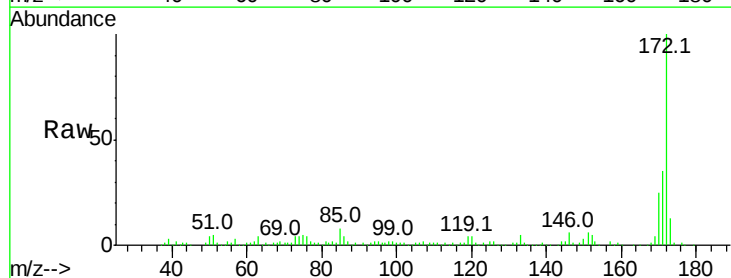


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

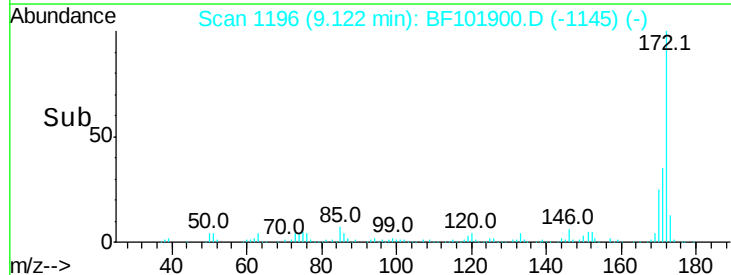
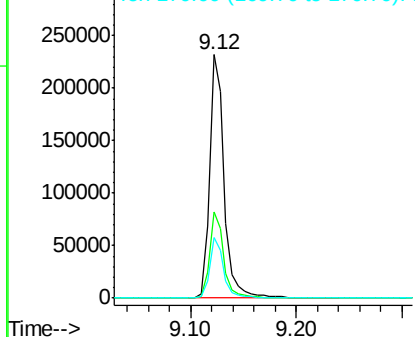


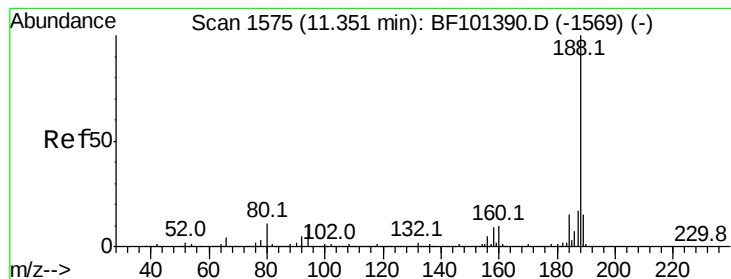
#44
 2-Fluorobiphenyl
 Concen: 20.843 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF101900.D
 Acq: 4 Jan 2018 19:28

Tgt Ion:172 Resp: 224109
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 24.7 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: 11.30 min Scan# 1567

Delta R.T. 0.01 min

Lab File: BF101900.D

Acq: 4 Jan 2018 19:28

Instrument :

BNA_F

ClientSampleId :

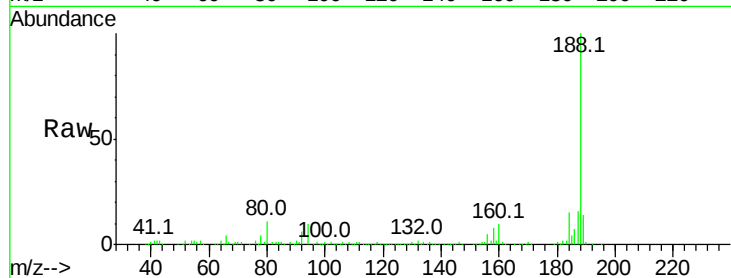
Tot Ion:188 Resp: 260435

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

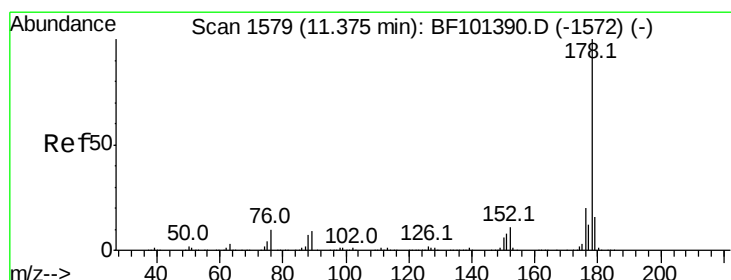
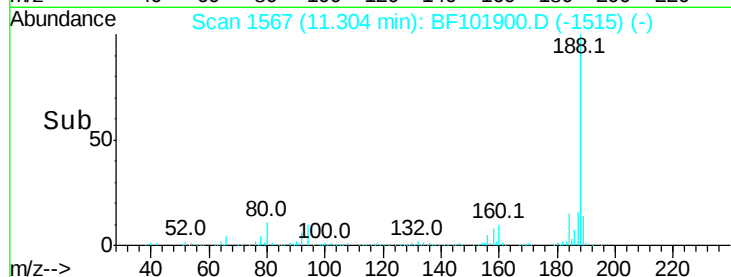
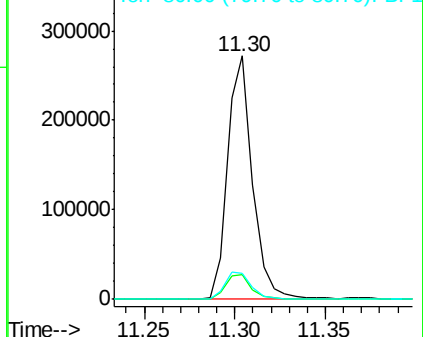
80 10.7 9.2 13.8



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: 3.888 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF101900.D

Acq: 4 Jan 2018 19:28

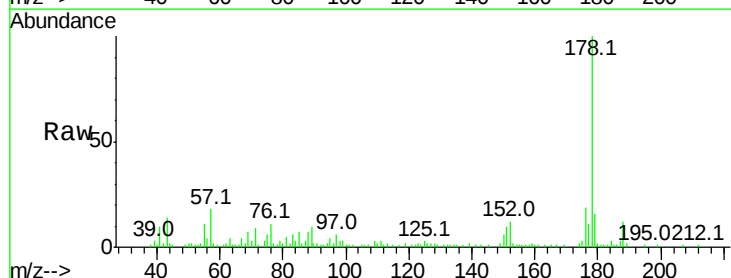
Tgt Ion:178 Resp: 56312

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

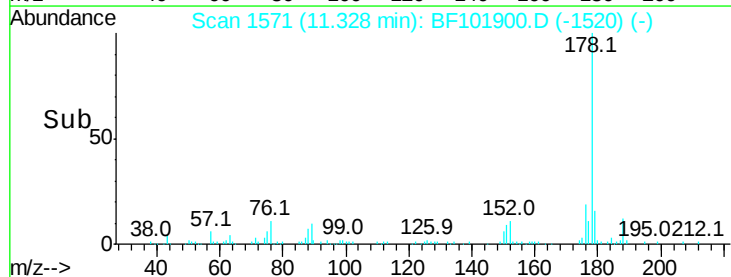
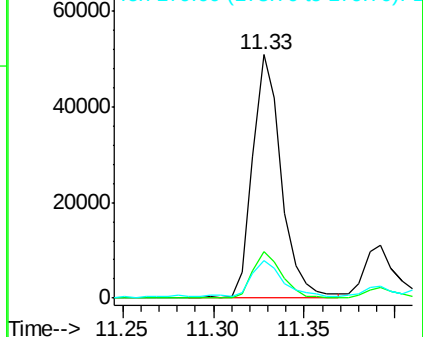
179 15.5 13.0 19.6

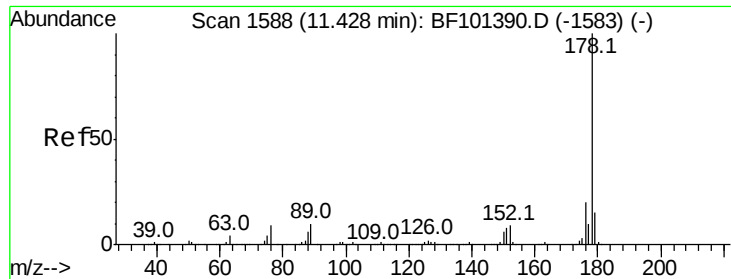


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

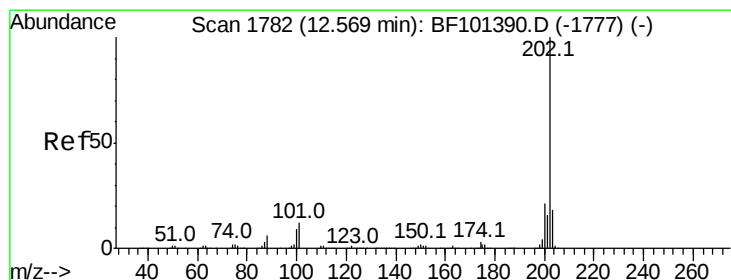
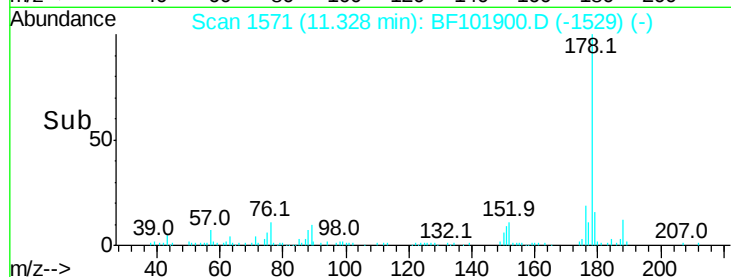
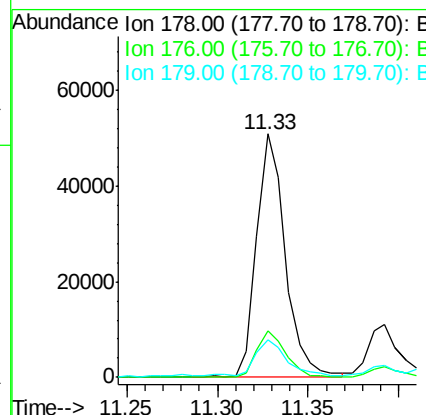
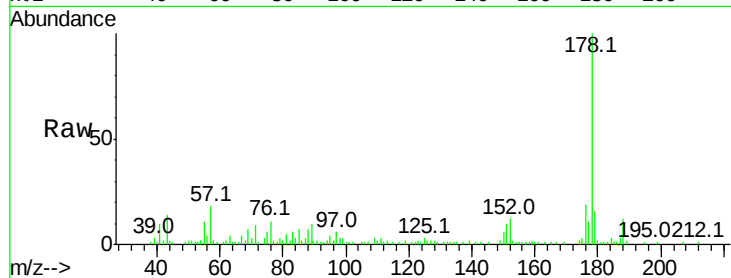




#71
 Anthracene
 Concen: 3.806 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.05 min
 Lab File: BF101900.D
 Acq: 4 Jan 2018 19:28

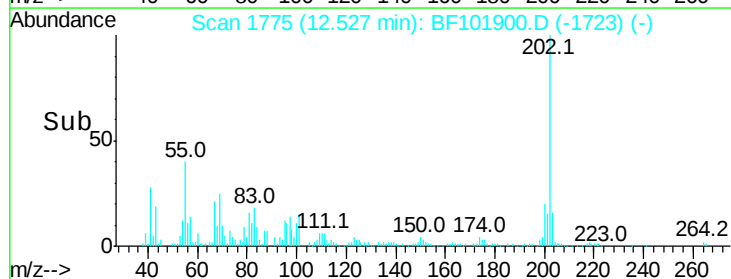
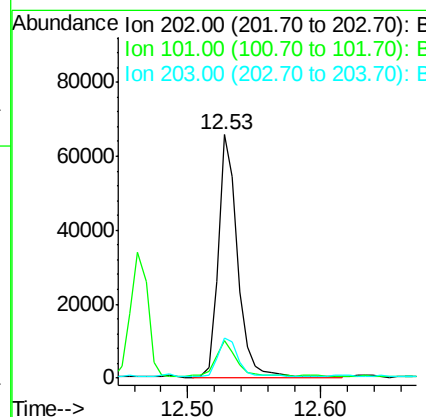
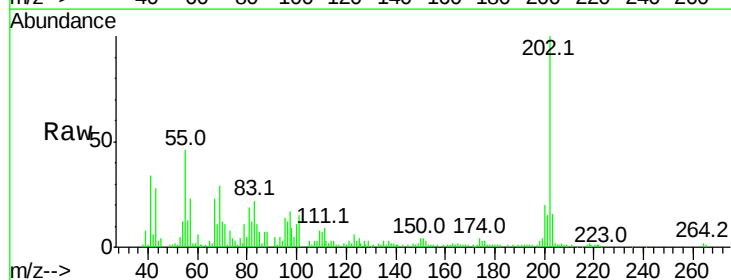
Instrument :
 BNA_F
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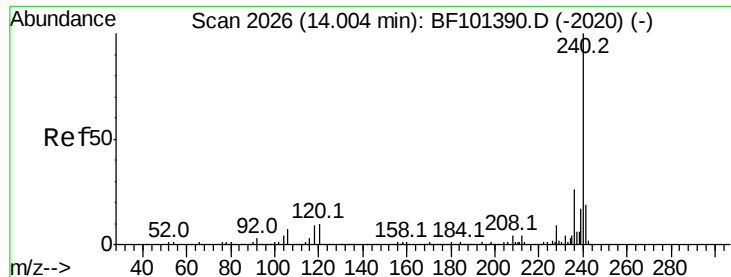
Tot Ion:178 Resp: 56312
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 15.5 12.6 19.0



#74
 Fluoranthene
 Concen: 4.482 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. 0.01 min
 Lab File: BF101900.D
 Acq: 4 Jan 2018 19:28

Tgt Ion:202 Resp: 68136
 Ion Ratio Lower Upper
 202 100
 101 15.4 0.0 34.1
 203 16.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF101900.D

Acq: 4 Jan 2018 19:28

Instrument :

BNA_F

ClientSampleId :

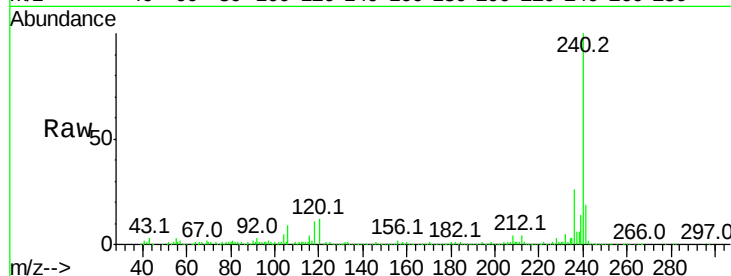
Tot Ion:240 Resp: 284822

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

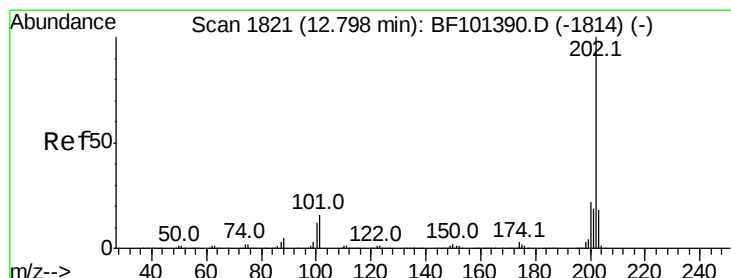
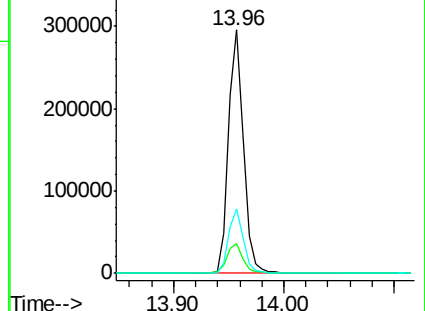
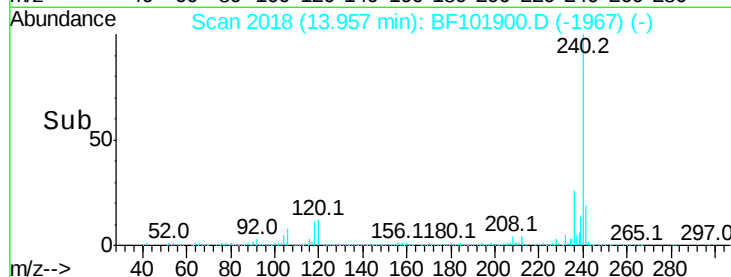
236 26.2 20.7 31.1



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: 3.021 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF101900.D

Acq: 4 Jan 2018 19:28

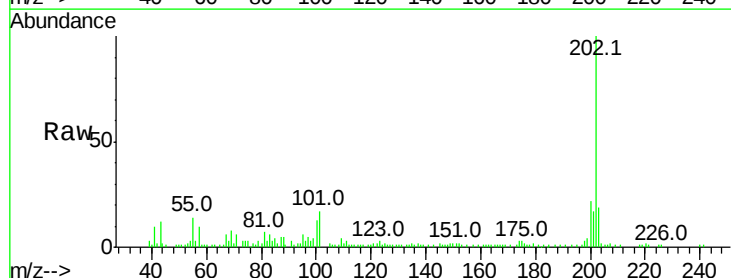
Tgt Ion:202 Resp: 64570

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

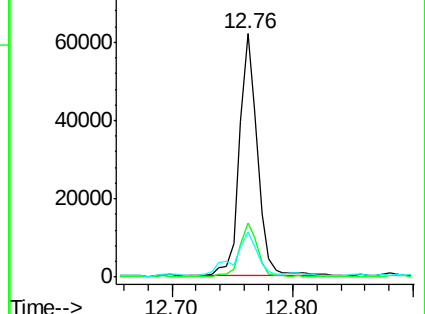
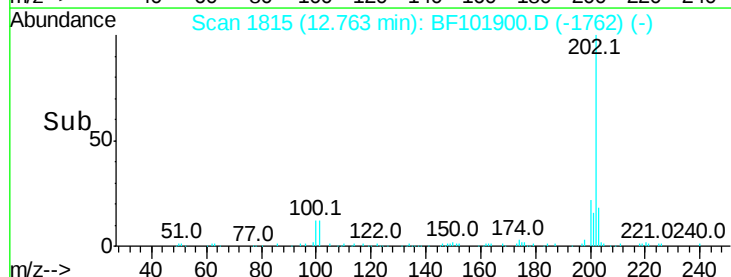
203 18.5 14.3 21.5

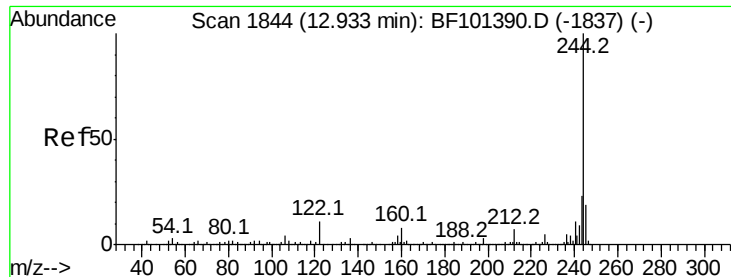


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.620 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF101900.D

Acq: 4 Jan 2018 19:28

Instrument :

BNA_F

ClientSampled :

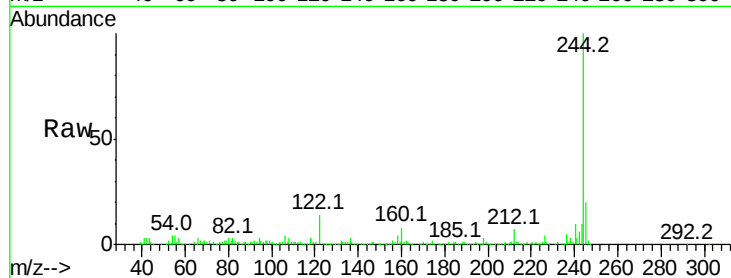
Tot Ion:244 Resp: 172728

Ion Ratio Lower Upper

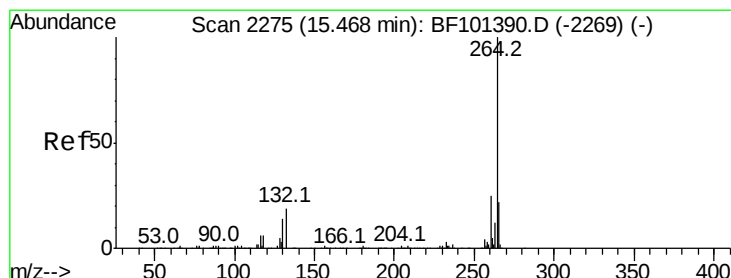
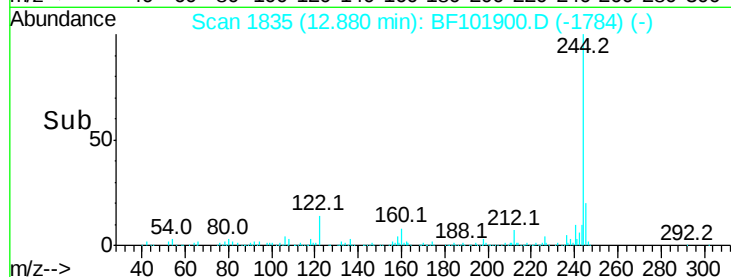
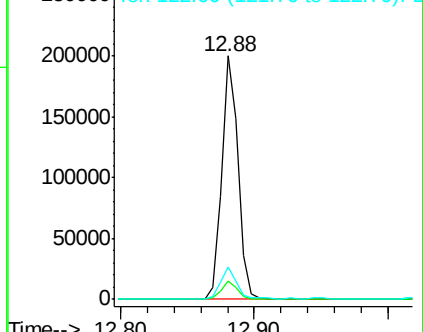
244 100

212 7.4 5.4 8.0

122 13.6 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: BF101900.D

Acq: 4 Jan 2018 19:28

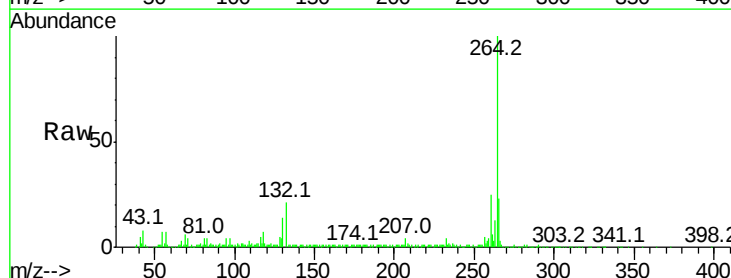
Tgt Ion:264 Resp: 219177

Ion Ratio Lower Upper

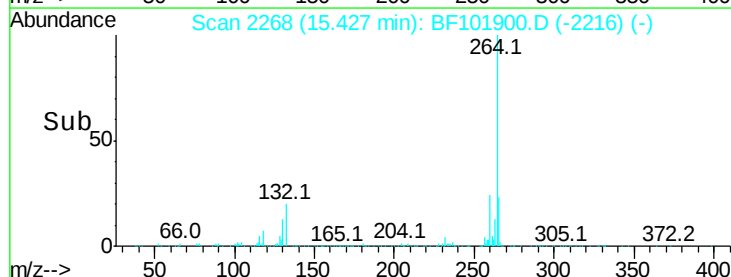
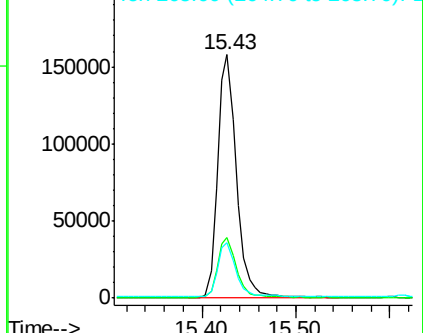
264 100

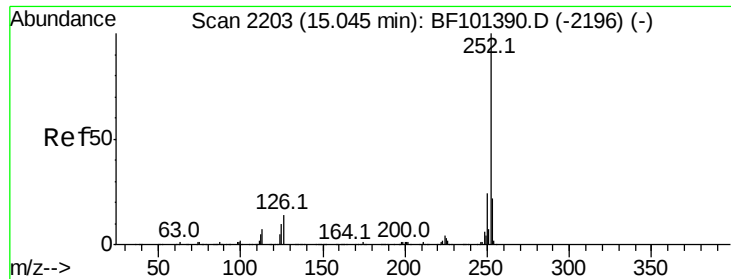
260 24.9 19.2 28.8

265 23.0 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: 2.753 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BF101900.D

Acq: 4 Jan 2018 19:28

Instrument :

BNA_F

ClientSampled :

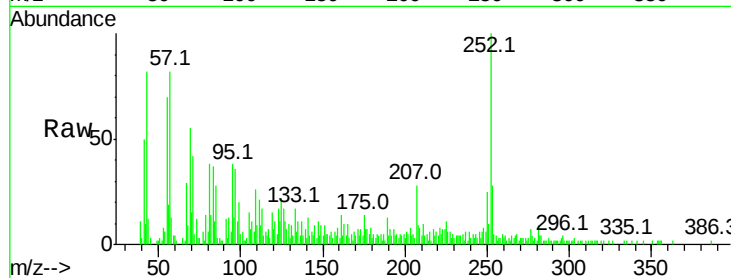
Tot Ion:252 Resp: 36779

Ion Ratio Lower Upper

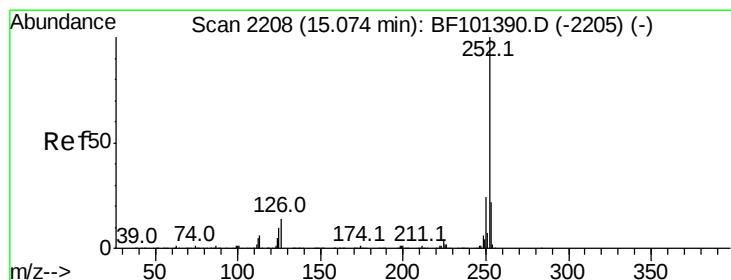
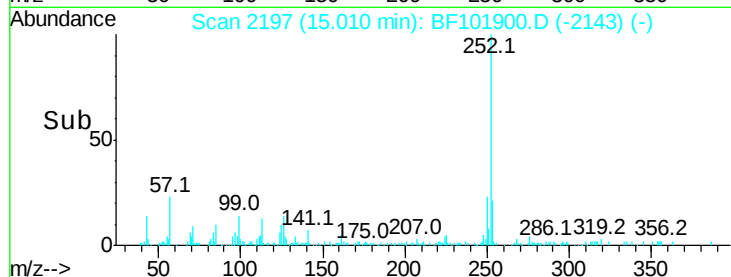
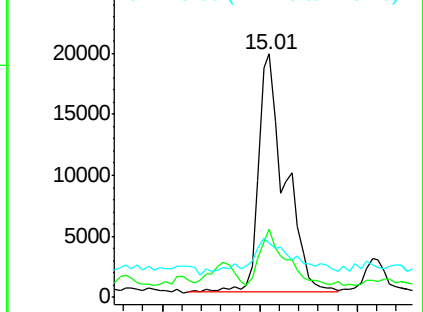
252 100

253 27.9 17.0 25.6#

125 22.2 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: 2.832 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF101900.D

Acq: 4 Jan 2018 19:28

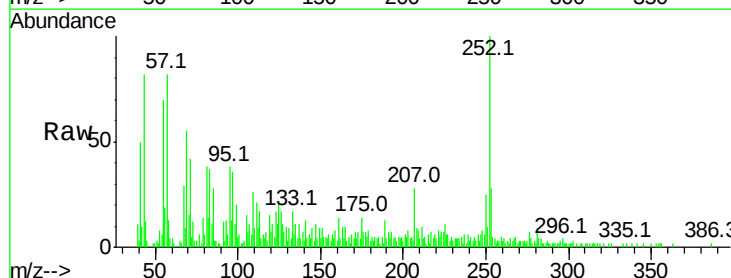
Tgt Ion:252 Resp: 36779

Ion Ratio Lower Upper

252 100

253 27.9 17.9 26.9#

125 22.2 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

