

Data Path : U:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101899.D
 Acq On : 4 Jan 2018 19:02
 Operator : SJ/JU
 Sample : J1012-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 23:54:08 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	150688	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	594919	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	244200	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	377522	20.00	ng	0.00
75) Chrysene-d12	13.96	240	272454	20.00	ng	0.00
86) Perylene-d12	15.43	264	230703	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	239145	23.64	ng	0.02
7) Phenol-d6	6.43	99	316080	25.11	ng	0.01
23) Nitrobenzene-d5	7.35	82	184049	17.22	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	39142	16.63	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	311203	19.77	ng	0.00
78) Terphenyl-d14	12.88	244	194000	17.17	ng	0.00

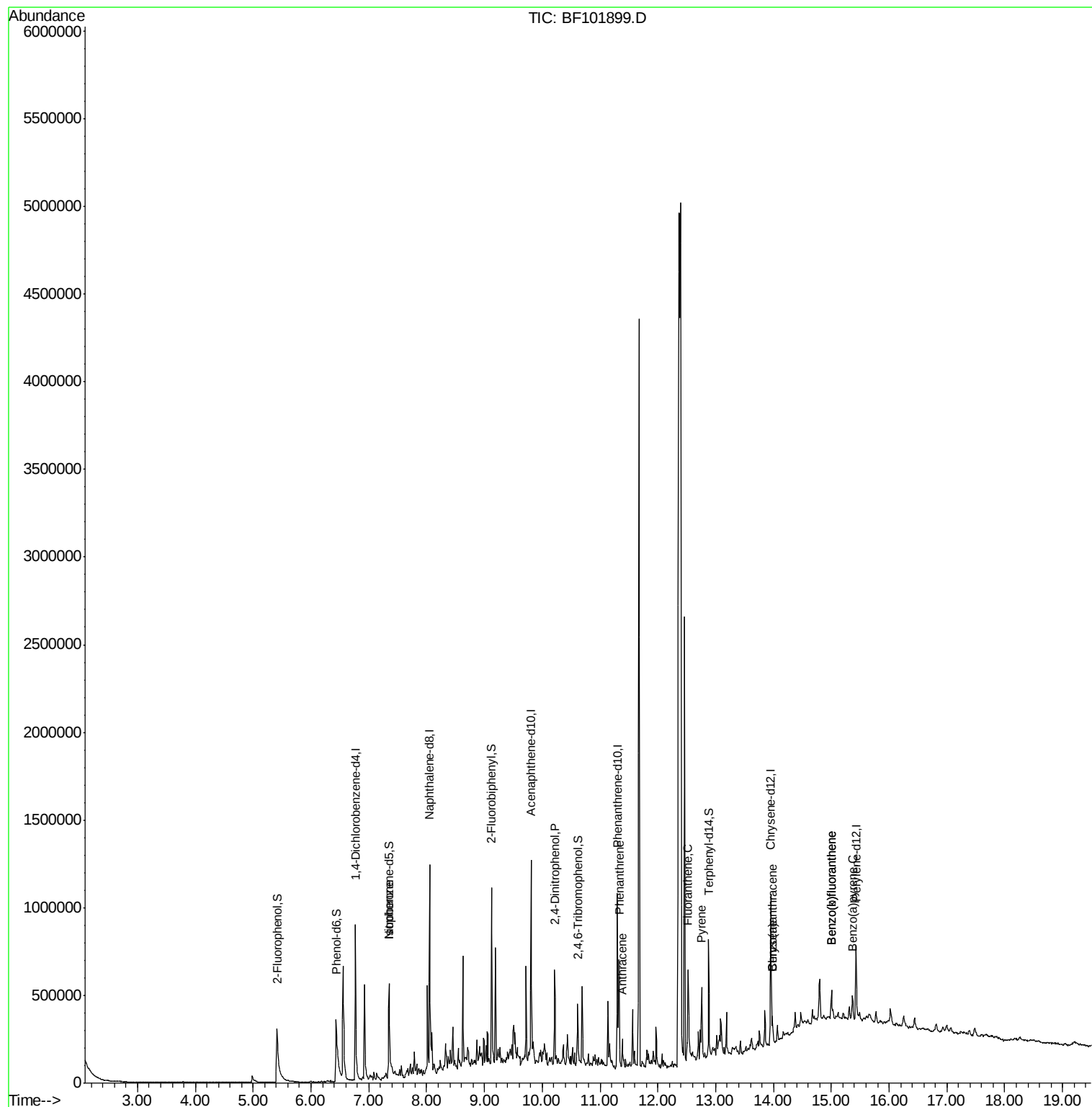
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.35	82	184049	8.585	ng	# 65
53) 2,4-Dinitrophenol	10.22	184	125	10.399	ng	# 32
70) Phenanthrene	11.33	178	236923	11.285	ng	99
71) Anthracene	11.39	178	63083	2.942	ng	98
74) Fluoranthene	12.53	202	187328	8.501	ng	96
77) Pyrene	12.76	202	166023	8.119	ng	100
80) Benzo(a)anthracene	13.99	228	60978	3.389	ng	95
82) Chrysene	13.99	228	60978	3.590	ng	99
87) Benzo(b)fluoranthene	15.00	252	84777	6.029	ng	# 90
88) Benzo(k)fluoranthene	15.00	252	84777	6.201	ng	# 93
89) Benzo(a)pyrene	15.37	252	45578	3.516	ng	# 89

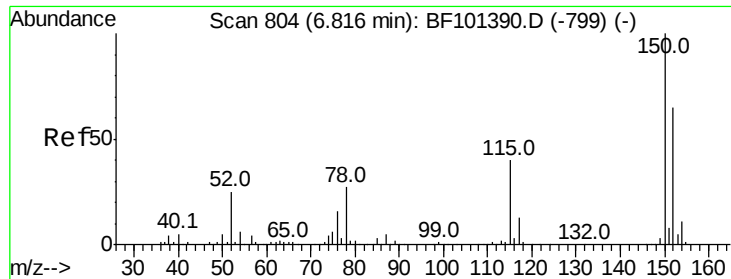
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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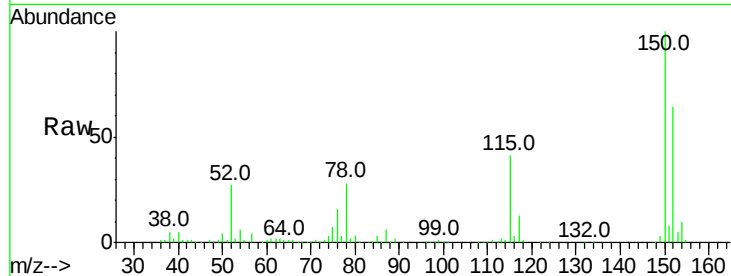


#1

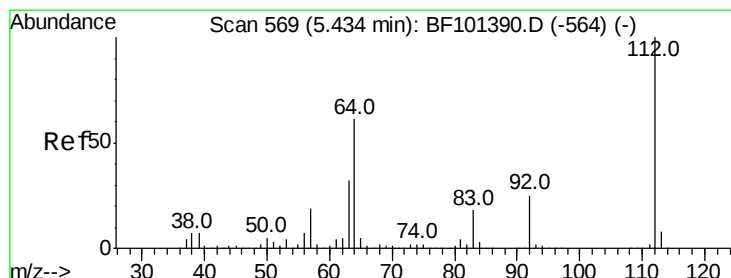
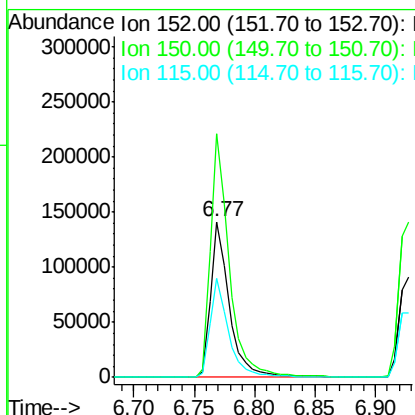
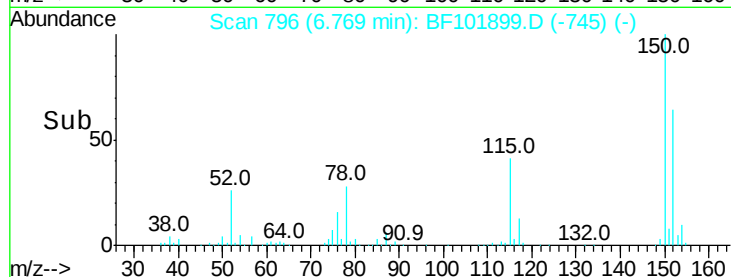
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 150688
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 63.5 50.1 75.1



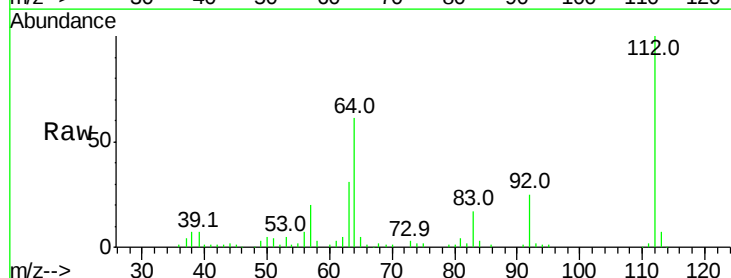
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



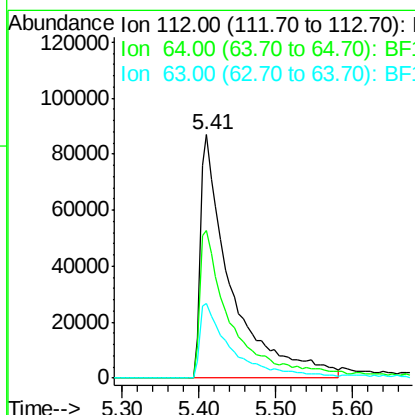
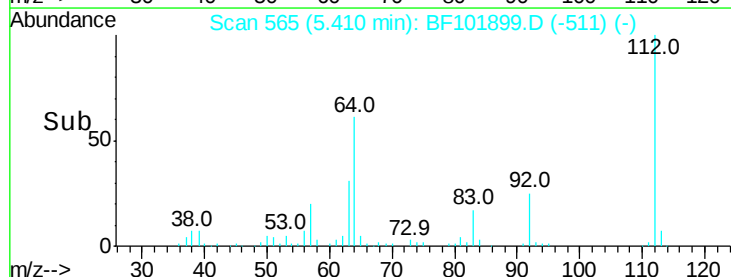
#5

2-Fluorophenol
Concen: 23.640 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.02 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Tgt Ion:112 Resp: 239145
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 30.8 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: 25.106 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Instrument :

BNA_F

ClientSampleId :

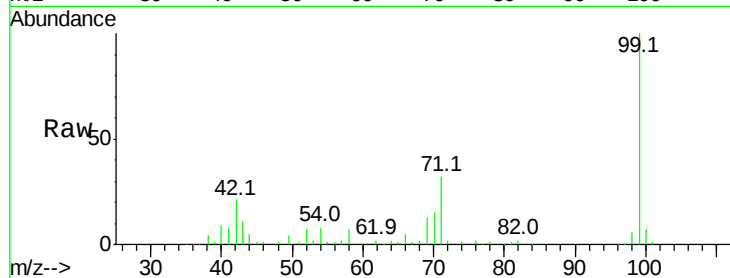
Tot Ion: 99 Resp: 316080

Ion Ratio Lower Upper

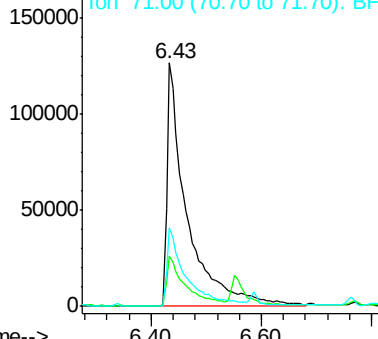
99 100

42 20.7 14.5 21.7

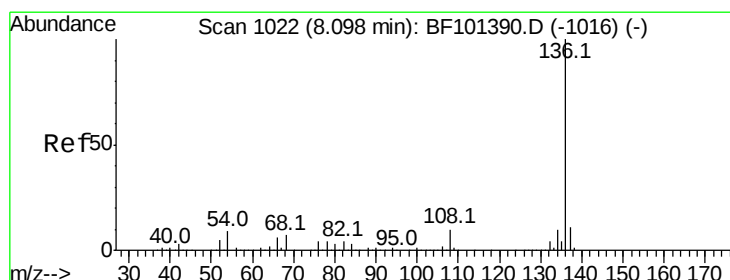
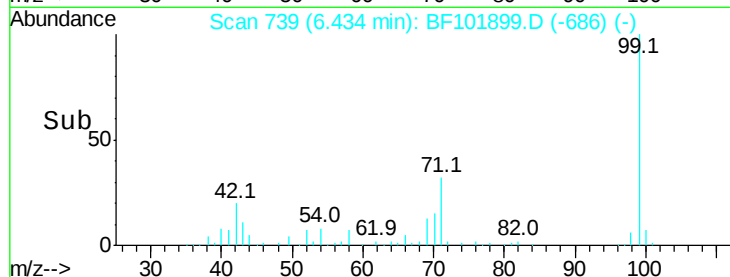
71 32.1 25.4 38.0



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



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Tgt Ion: 136 Resp: 594919

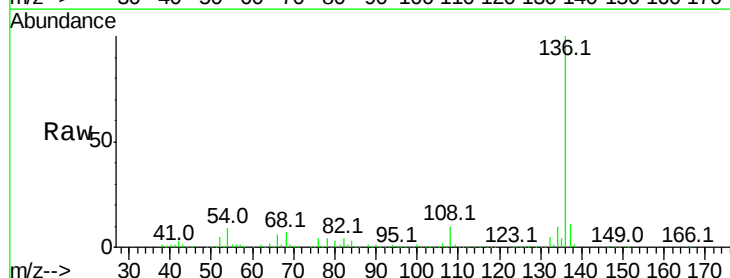
Ion Ratio Lower Upper

136 100

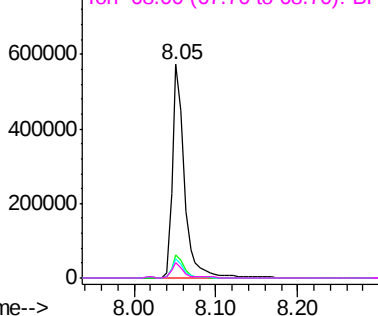
137 11.0 8.9 13.3

54 9.1 6.6 9.8

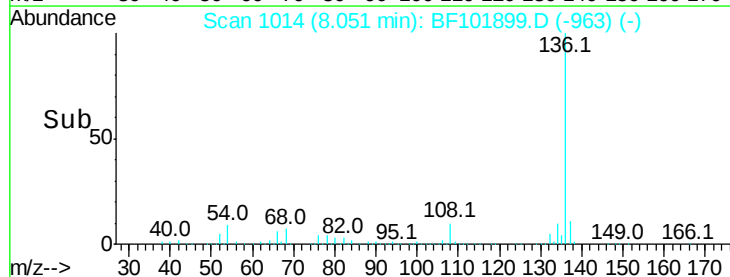
68 7.0 5.0 7.4

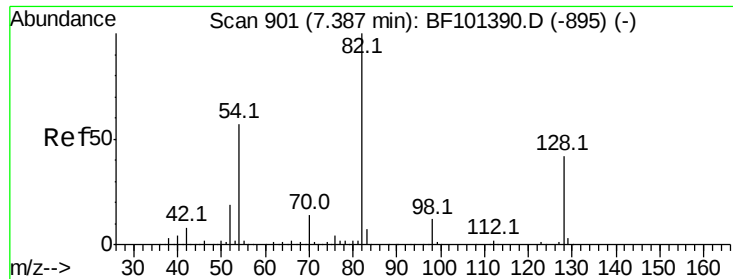


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



Time-->

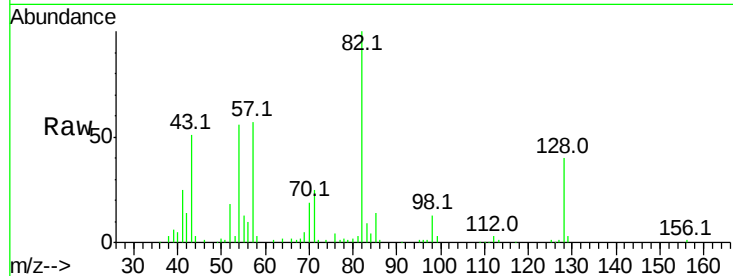




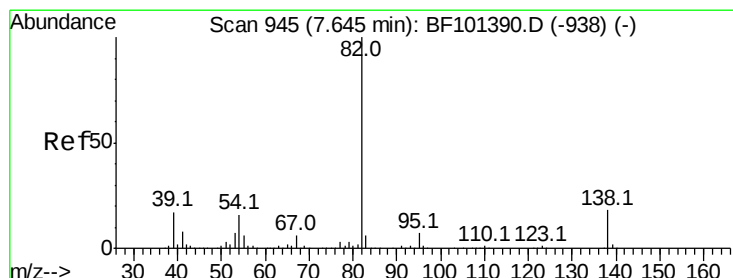
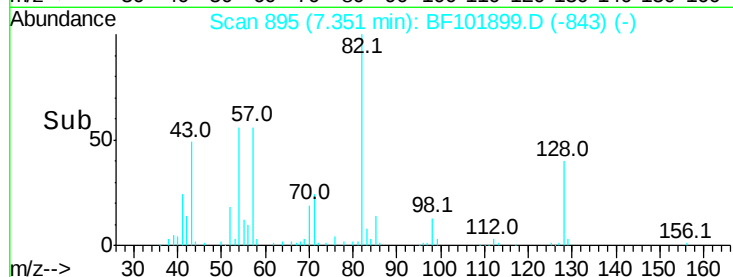
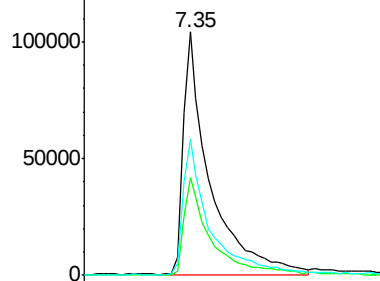
#23
Nitrobenzene-d5
Concen: 17.221 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.01 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.1	36.1	54.1
54	56.1	41.4	62.2

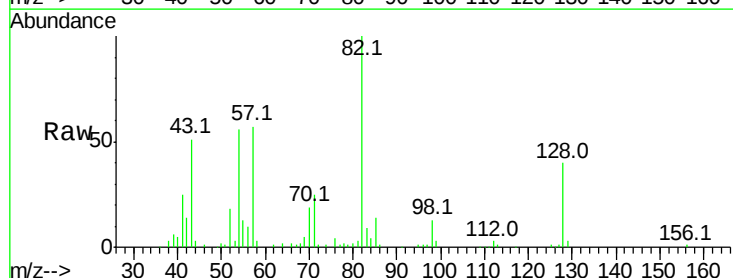


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

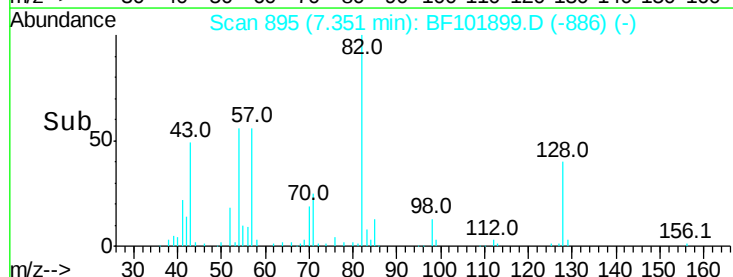
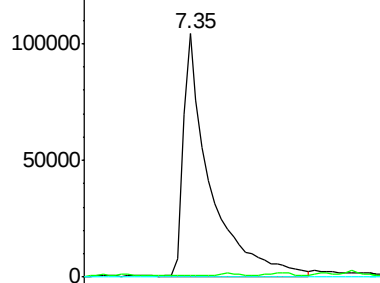


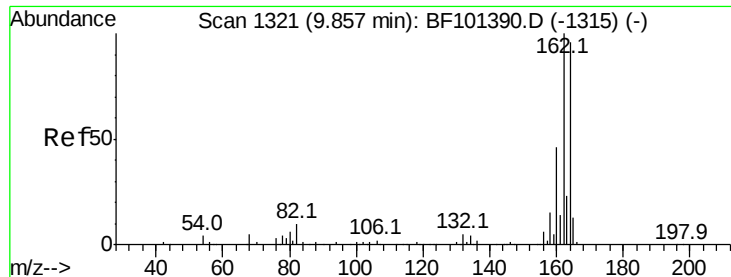
#25
Isophorone
Concen: 8.585 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.25 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.9	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: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Instrument :

BNA_F

ClientSampleId :

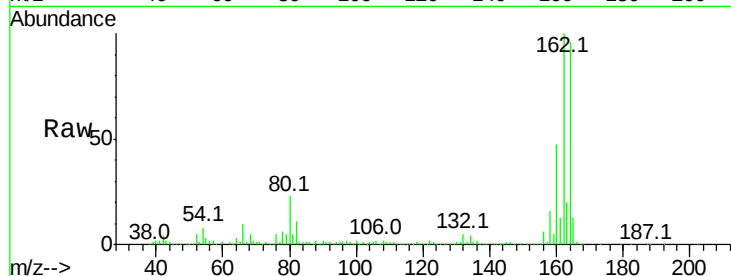
Tot Ion:164 Resp: 244200

Ion Ratio Lower Upper

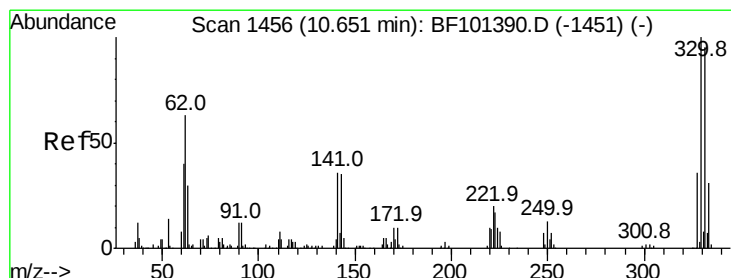
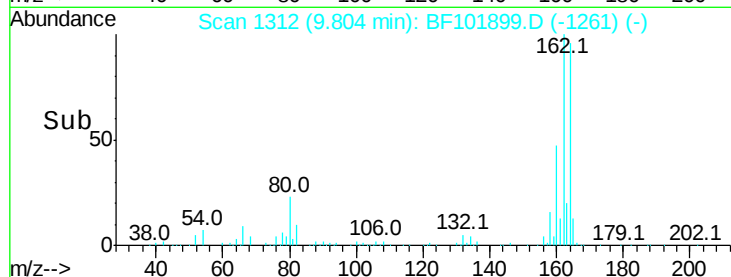
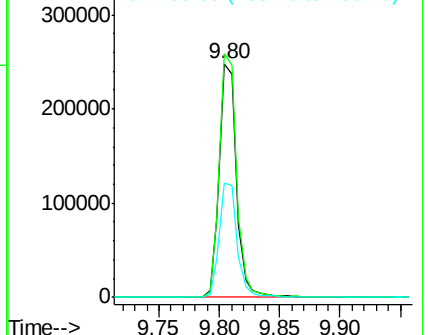
164 100

162 104.1 86.1 129.1

160 48.6 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: 16.635 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

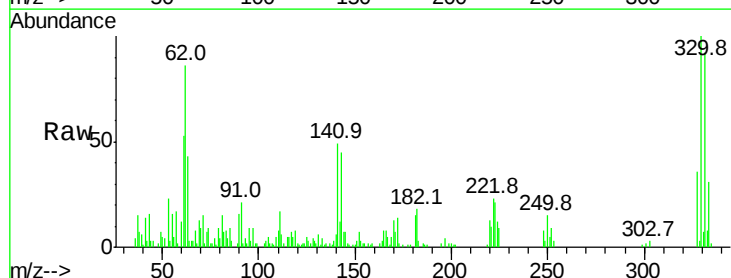
Tgt Ion:330 Resp: 39142

Ion Ratio Lower Upper

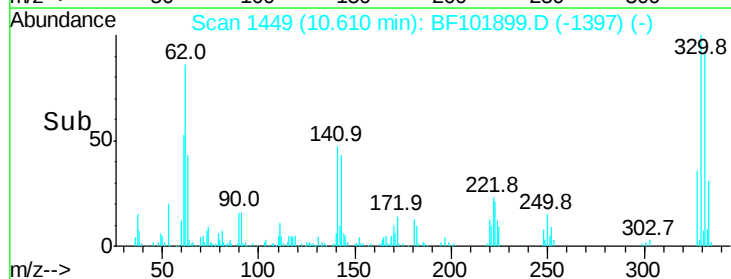
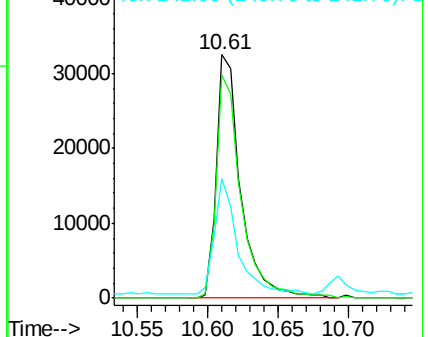
330 100

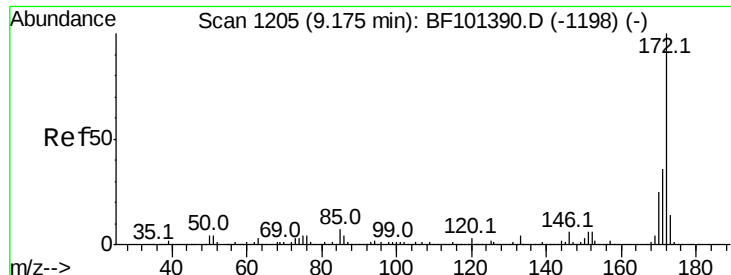
332 93.9 77.0 115.6

141 44.9 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

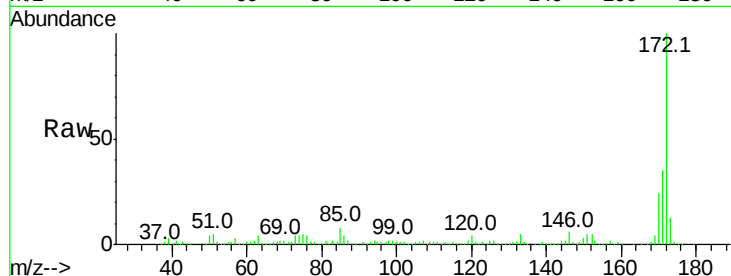




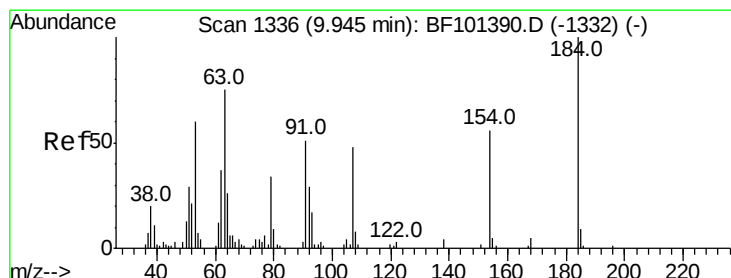
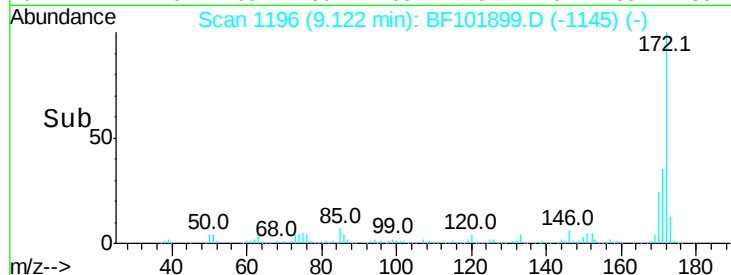
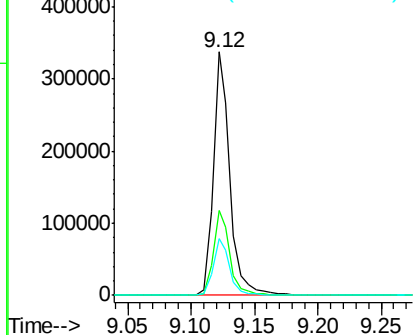
#44
 2-Fluorobiphenyl
 Concen: 19.769 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF101899.D
 Acq: 4 Jan 2018 19:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 311203
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.5 19.6 29.4

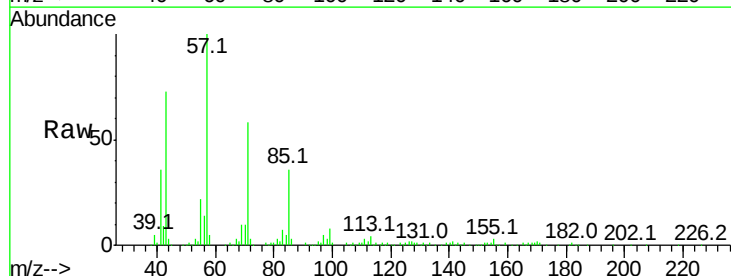


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

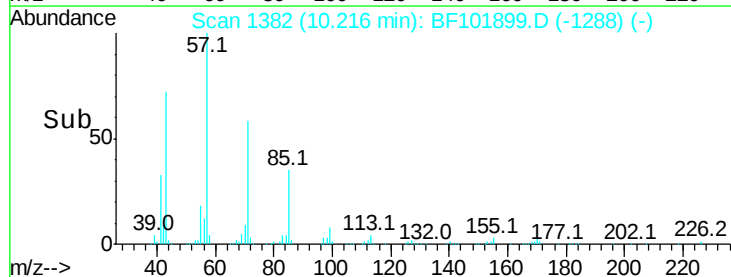
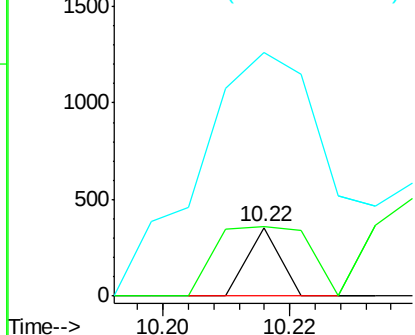


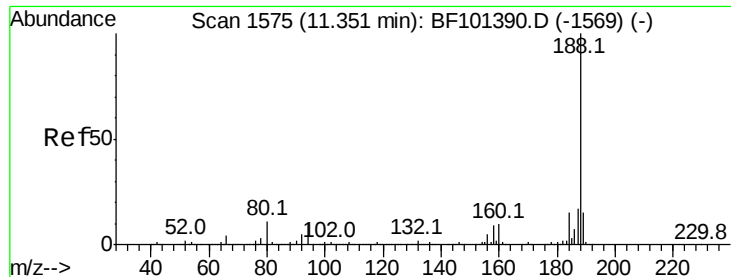
#53
 2,4-Dinitrophenol
 Concen: 10.399 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.25 min
 Lab File: BF101899.D
 Acq: 4 Jan 2018 19:02

Tgt Ion:184 Resp: 125
 Ion Ratio Lower Upper
 184 100
 63 101.4 54.2 81.2#
 154 355.2 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

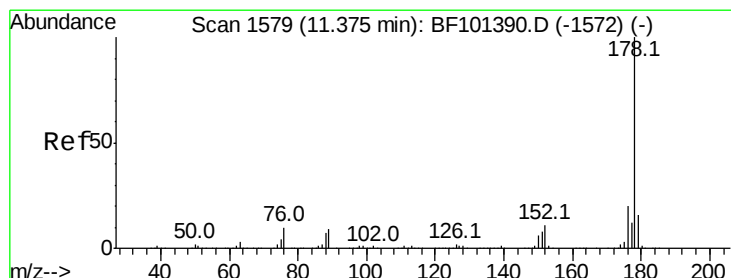
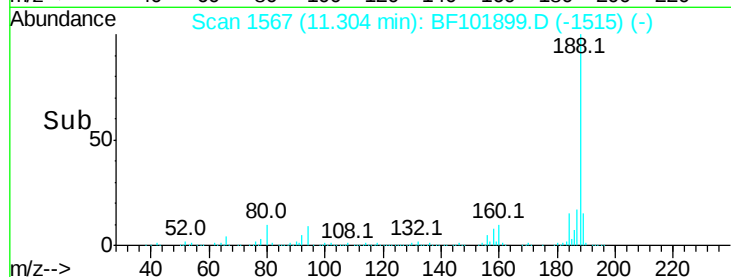
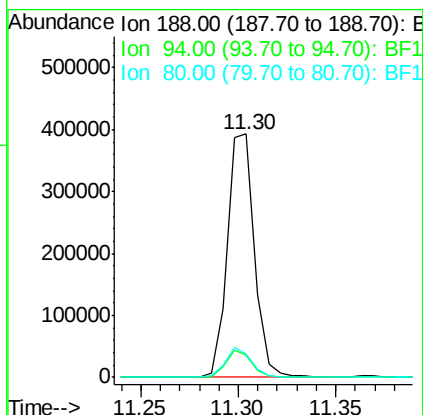
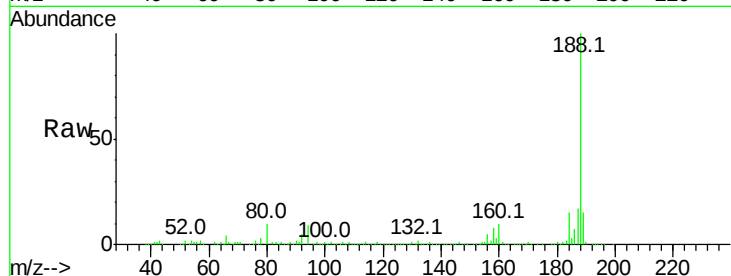




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

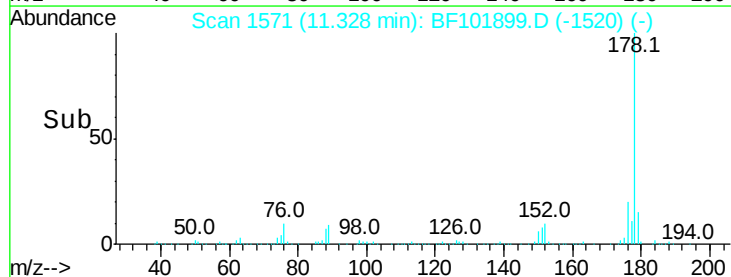
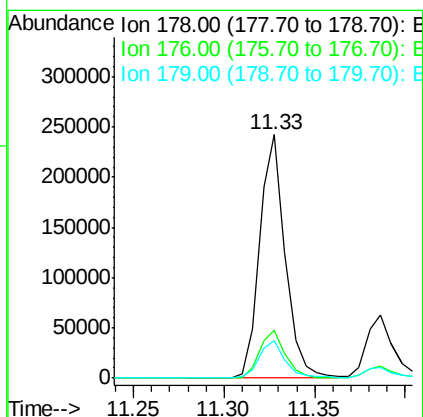
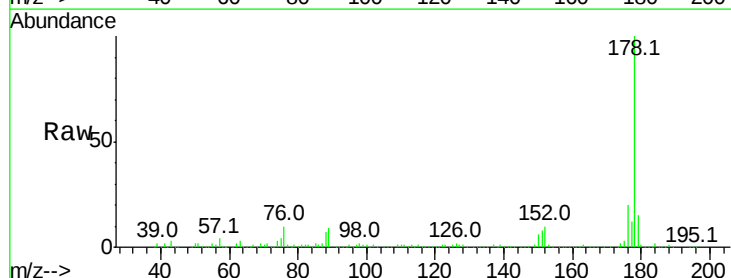
Instrument :
BNA_F
ClientSampled :

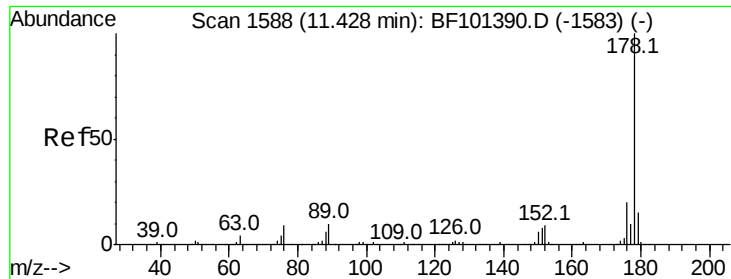
Tot Ion:188 Resp: 377522
Ion Ratio Lower Upper
188 100
94 8.9 8.5 12.7
80 9.9 9.2 13.8



#70
Phenanthrene
Concen: 11.285 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF101899.D
Acq: 4 Jan 2018 19:02

Tgt Ion:178 Resp: 236923
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.3 13.0 19.6





#71

Anthracene

Concen: 2.942 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

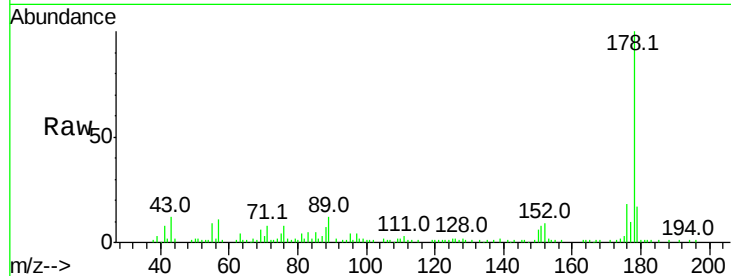
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 63083

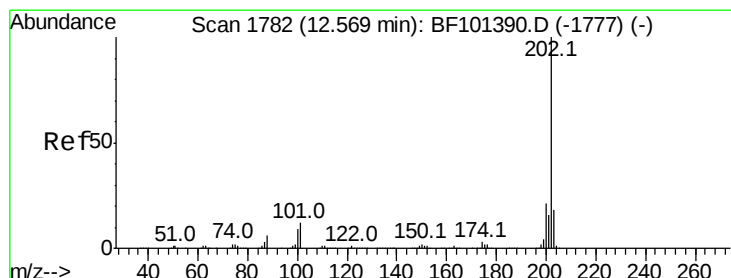
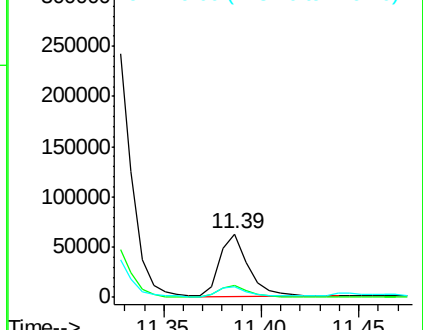
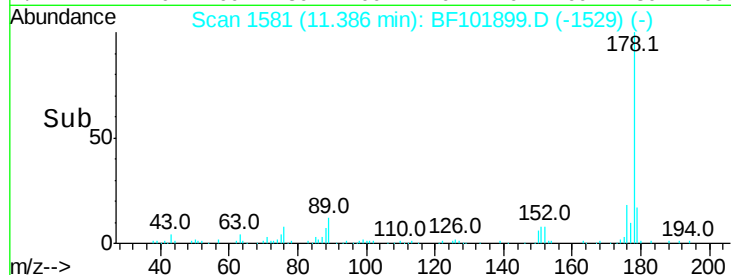
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.8	12.6	19.0



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: 8.501 ng

RT: 12.53 min Scan# 1775

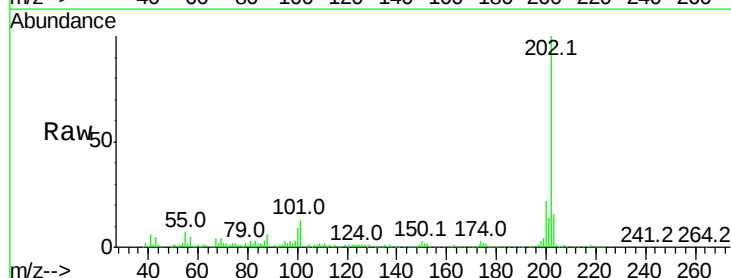
Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Tgt Ion:202 Resp: 187328

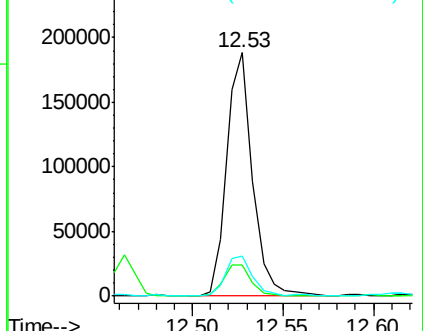
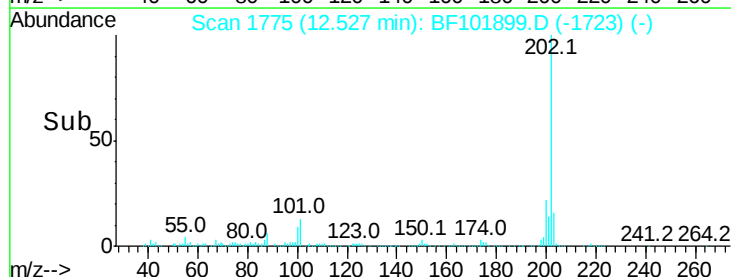
Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	16.5	0.0	38.1

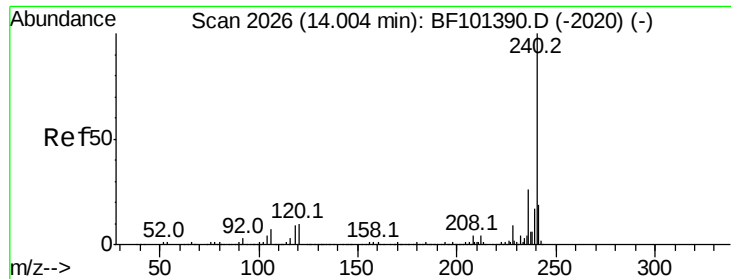


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF101899.D

Acq: 4 Jan 2018 19:02

Instrument :

BNA_F

ClientSampleId :

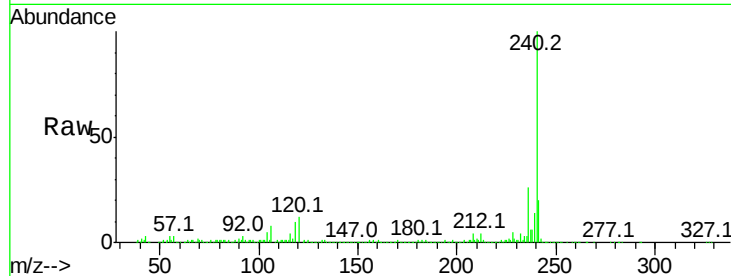
Tot Ion:240 Resp: 272454

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

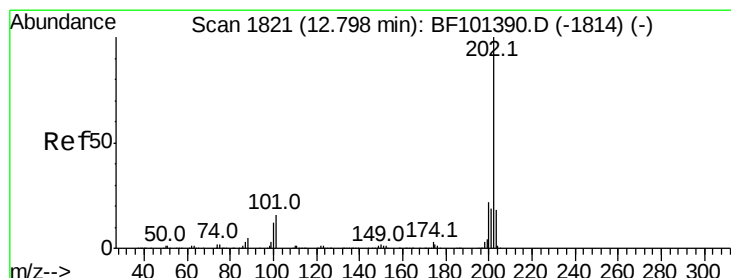
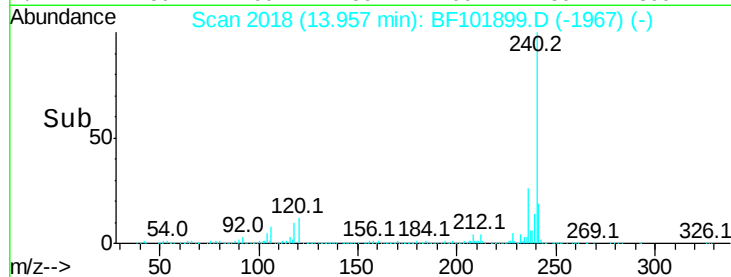
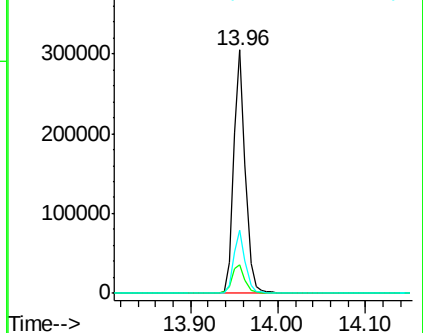
236 26.0 20.7 31.1



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: 8.119 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

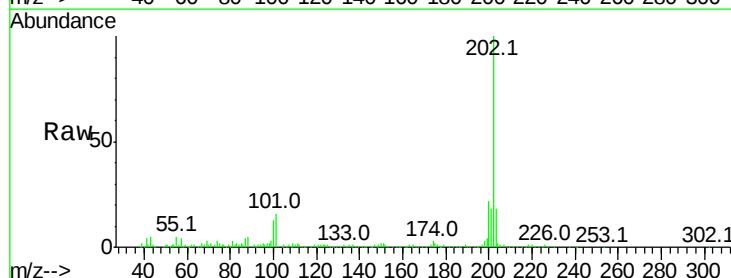
Tgt Ion:202 Resp: 166023

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

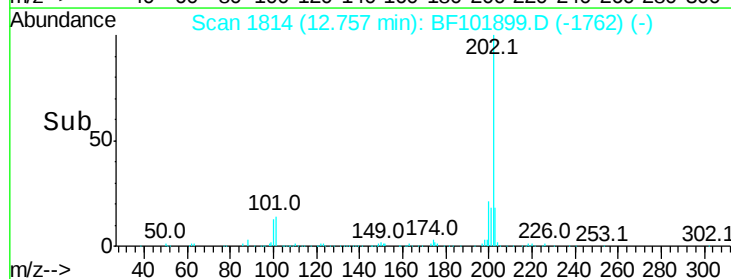
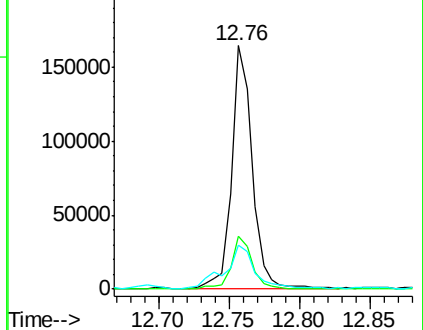
203 17.9 14.3 21.5

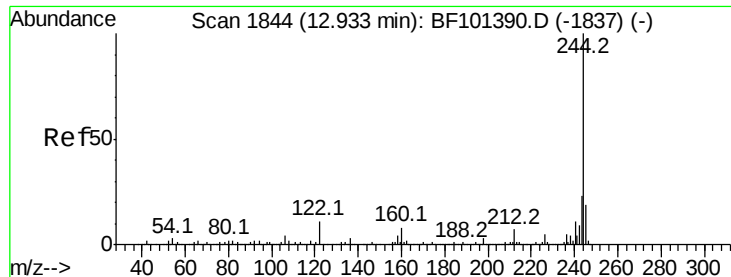


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 17.166 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Instrument :

BNA_F

ClientSampleId :

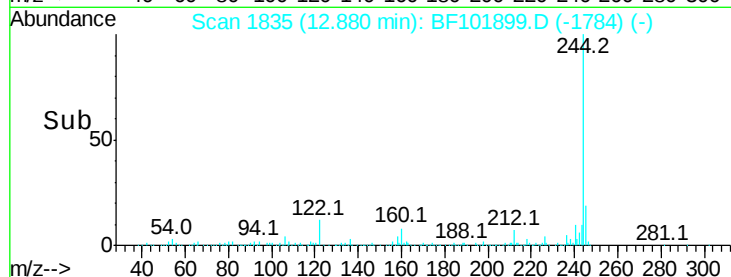
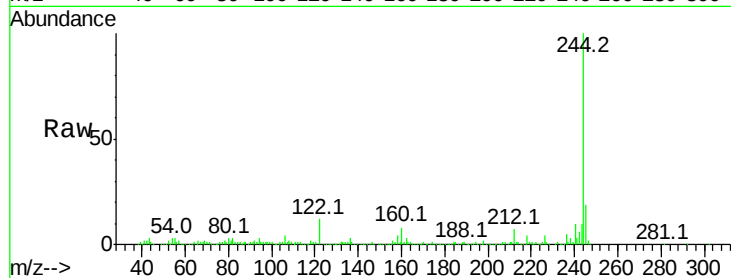
Tot Ion:244 Resp: 194000

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

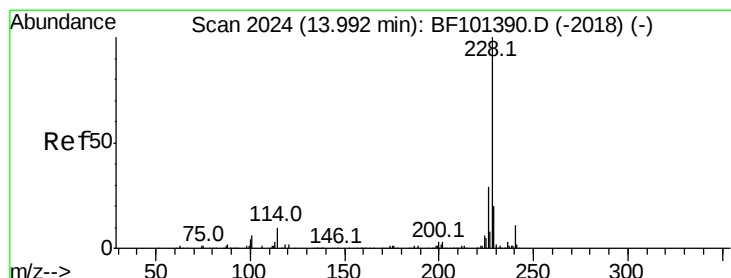
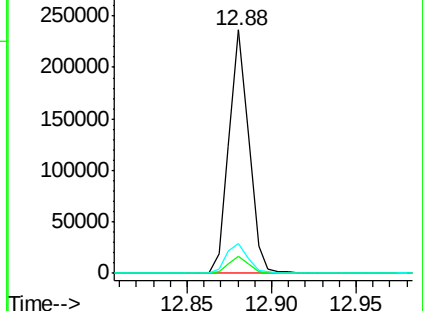
122 12.4 11.0 16.4



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: 3.389 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

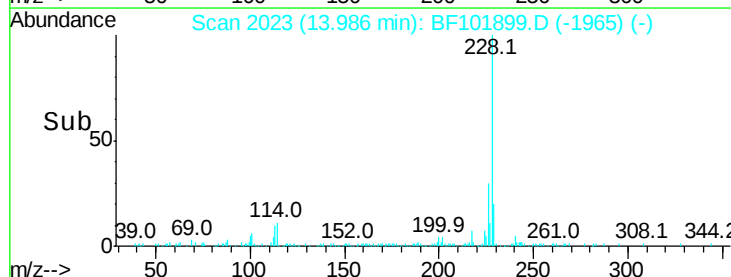
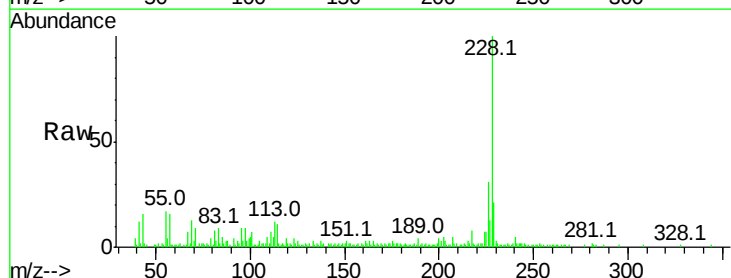
Tgt Ion:228 Resp: 60978

Ion Ratio Lower Upper

228 100

226 31.0 22.6 33.8

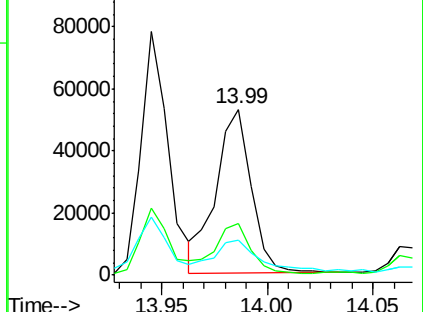
229 21.3 15.8 23.6

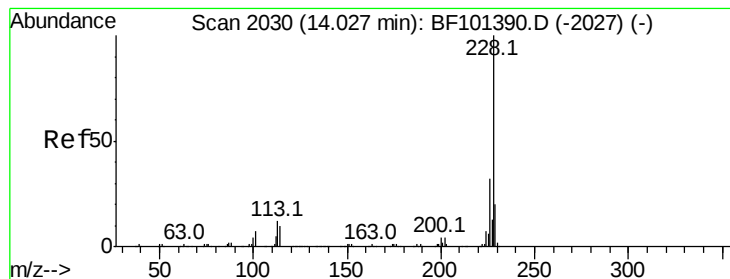


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.590 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Instrument :

BNA_F

ClientSampleId :

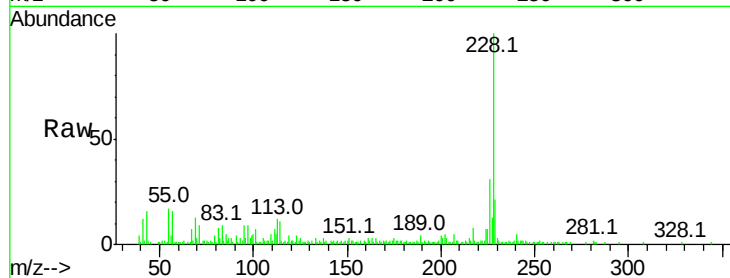
Tot Ion:228 Resp: 60978

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

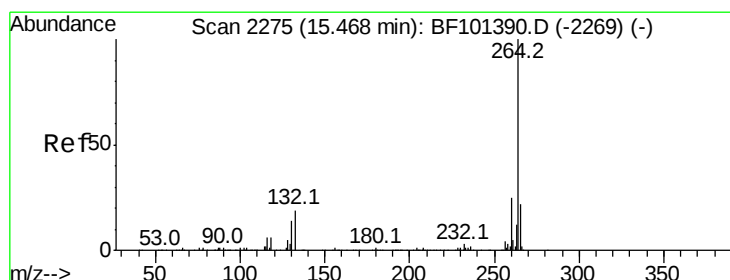
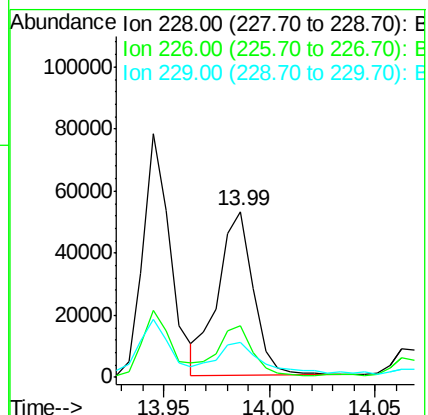
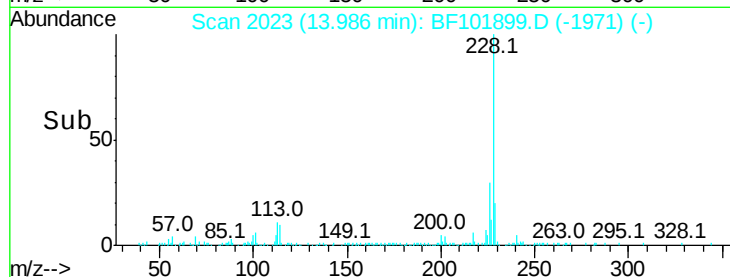
229 21.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

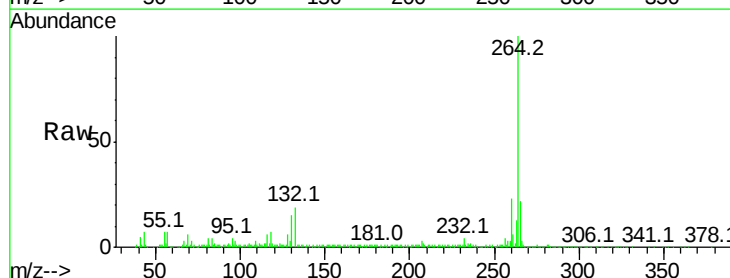
Tgt Ion:264 Resp: 230703

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

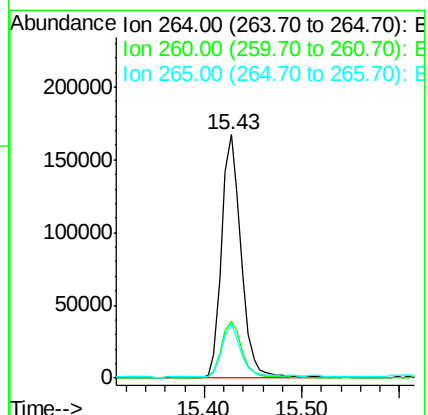
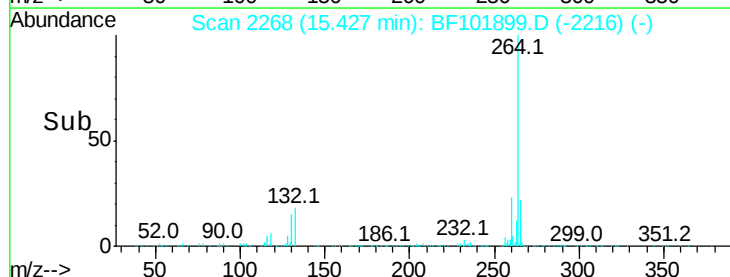
265 22.4 17.5 26.3

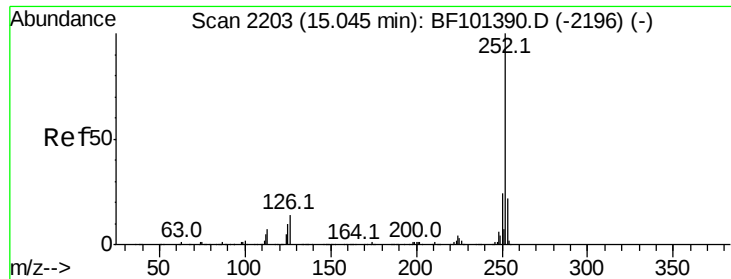


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.029 ng

RT: 15.00 min Scan# 2196

Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Instrument :

BNA_F

ClientSampleId :

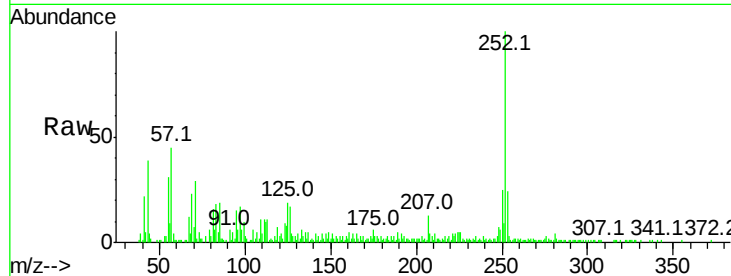
Tot Ion:252 Resp: 84777

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

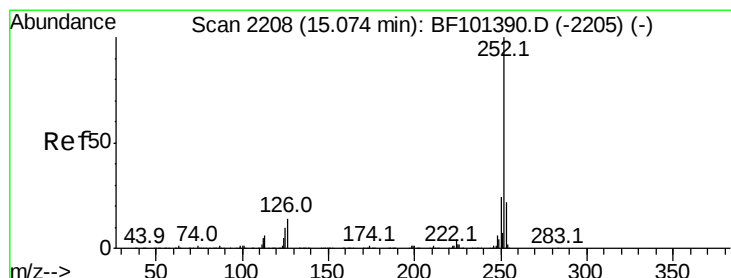
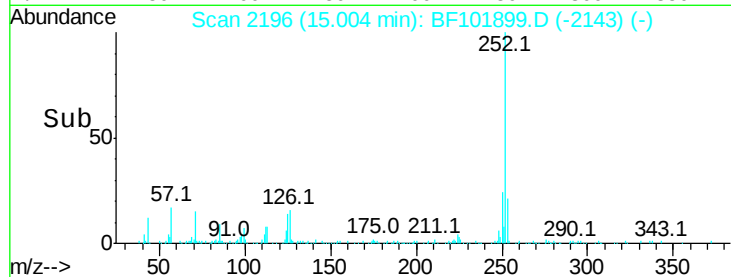
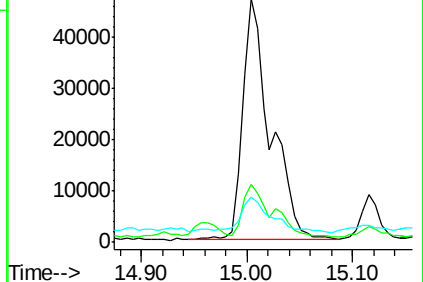
125 18.8 9.0 13.6#



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: 6.201 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

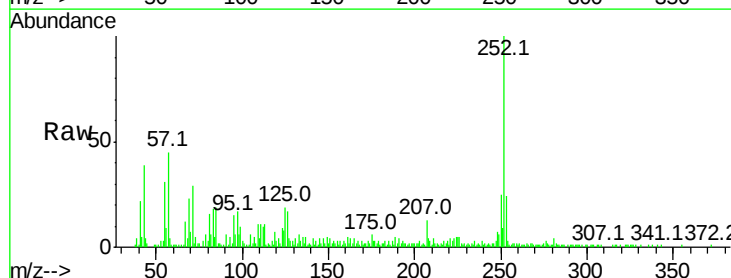
Tgt Ion:252 Resp: 84777

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

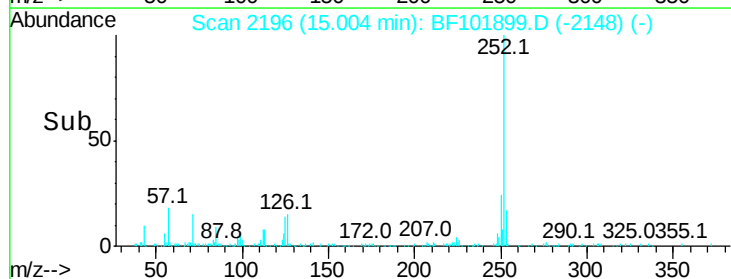
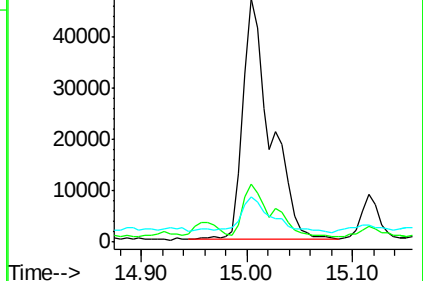
125 18.8 10.2 15.2#

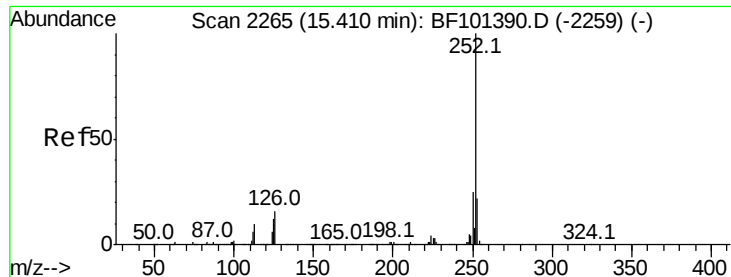


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.516 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF101899.D

Acq: 4 Jan 2018 19:02

Instrument :

BNA_F

ClientSampleId :

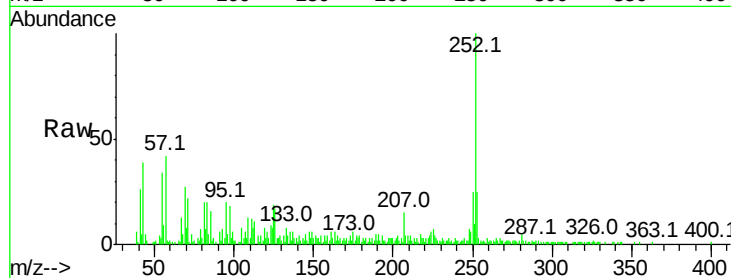
Tot Ion:252 Resp: 45578

Ion Ratio Lower Upper

252 100

253 24.8 17.1 25.7

125 18.8 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

