

Data Path : U:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101895.D
 Acq On : 4 Jan 2018 17:14
 Operator : SJ/JU
 Sample : J1016-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 23:52:46 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	132199	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	488419	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	166611	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	257271	20.00	ng	0.00
75) Chrysene-d12	13.96	240	270710	20.00	ng	0.00
86) Perylene-d12	15.43	264	234170	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	931161	104.92	ng	0.00
7) Phenol-d6	6.42	99	1065582	96.47	ng	0.00
23) Nitrobenzene-d5	7.35	82	670711	76.44	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	121036	75.39	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	698105	65.00	ng	0.00
78) Terphenyl-d14	12.88	244	558037	49.70	ng	0.00

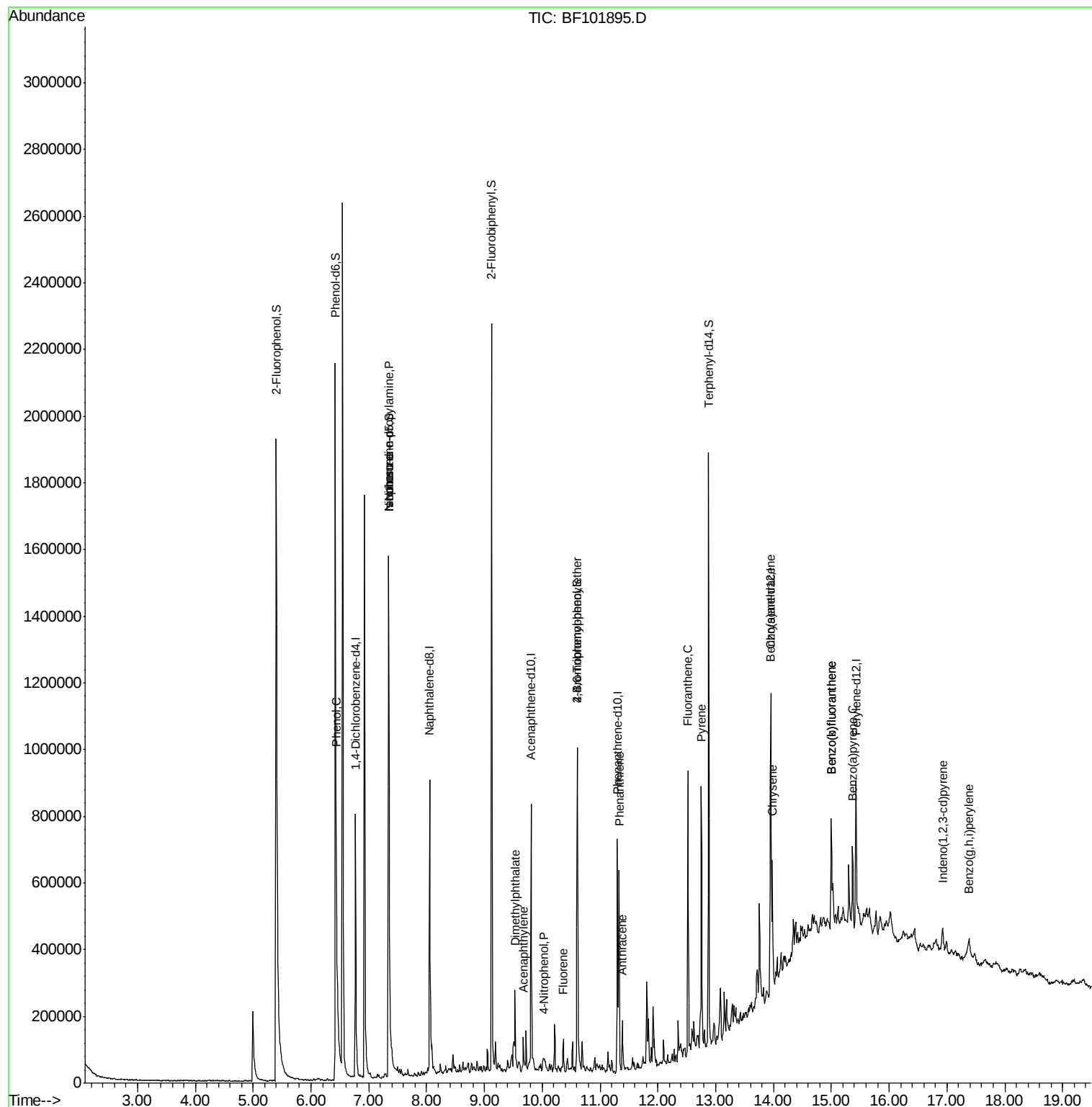
Target Compounds				Qvalue		
10) Phenol	6.44	94	38275	3.040	ng	# 39
19) n-Nitroso-di-n-propylamine	7.35	70	86910	11.982	ng	# 82
25) Isophorone	7.35	82	670711	38.105	ng	# 64
48) Acenaphthylene	9.67	152	41465	2.322	ng	98
49) Dimethylphthalate	9.53	163	101986	7.610	ng	100
55) 4-Nitrophenol	10.03	139	6232	4.209	ng	# 20
57) Fluorene	10.36	166	29286	2.539	ng	# 95
66) 4-Bromophenyl-phenylether	10.61	248	8131	2.813	ng	# 1
70) Phenanthrene	11.33	178	238286	16.655	ng	99
71) Anthracene	11.39	178	69156	4.732	ng	99
74) Fluoranthene	12.52	202	341769	22.758	ng	97
77) Pyrene	12.75	202	313007	15.406	ng	100
80) Benzo(a)anthracene	13.94	228	177456	9.927	ng	98
82) Chrysene	13.98	228	159320	9.440	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	49173	3.272	ng	96
87) Benzo(b)fluoranthene	15.00	252	218090	15.280	ng	# 96
88) Benzo(k)fluoranthene	15.00	252	218090	15.715	ng	98
89) Benzo(a)pyrene	15.37	252	110771	8.419	ng	95
91) Benzo(a,h,i)perylene	17.37	276	44628	3.989	ng	94

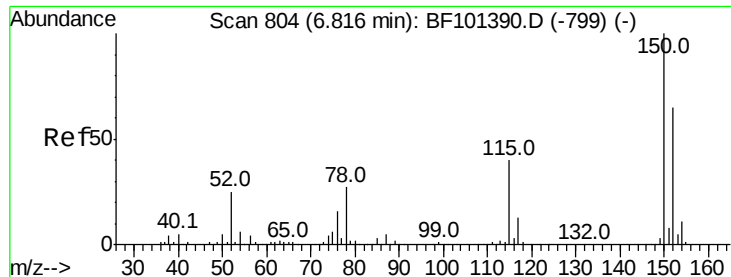
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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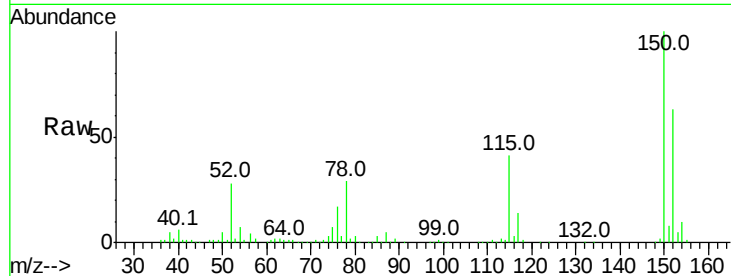


#1

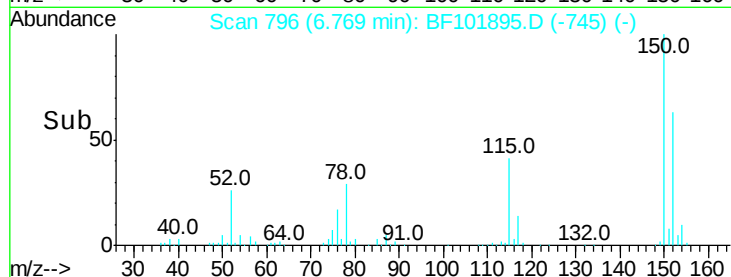
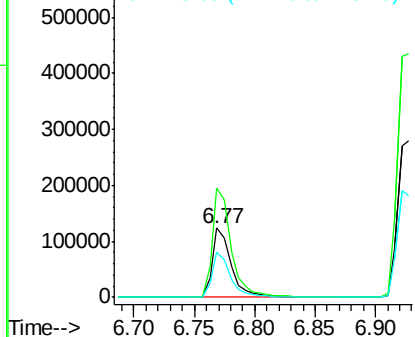
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132199
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 65.0 50.1 75.1



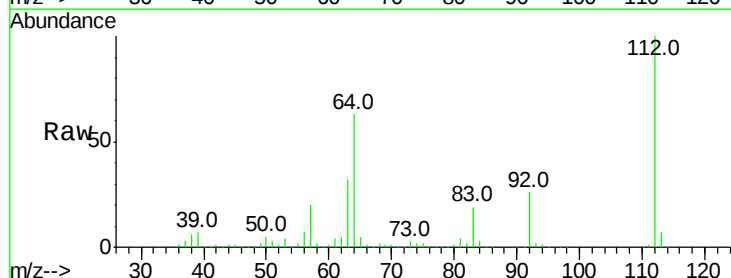
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



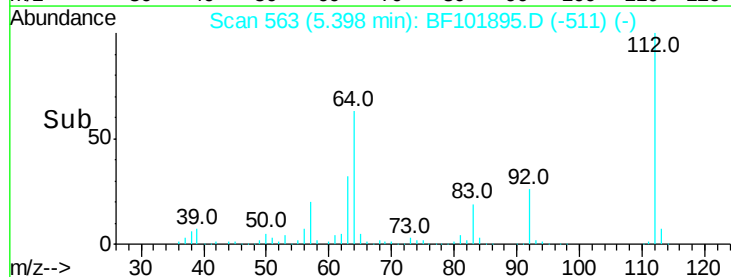
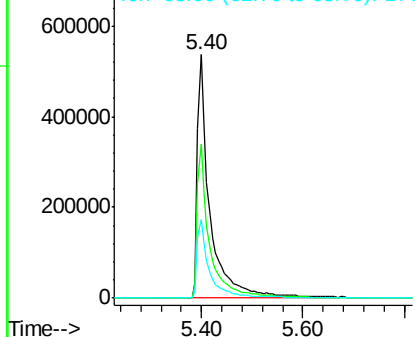
#5

2-Fluorophenol
Concen: 104.920 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

Tgt Ion:112 Resp: 931161
Ion Ratio Lower Upper
112 100
64 63.2 47.9 71.9
63 32.3 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: 96.475 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF101895.D

Acq: 4 Jan 2018 17:14

Instrument :

BNA_F

ClientSampled :

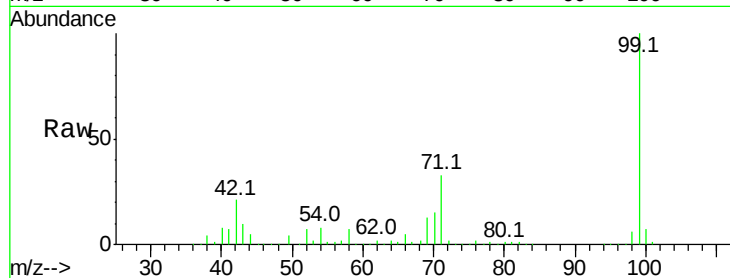
Tot Ion: 99 Resp: 1065582

Ion Ratio Lower Upper

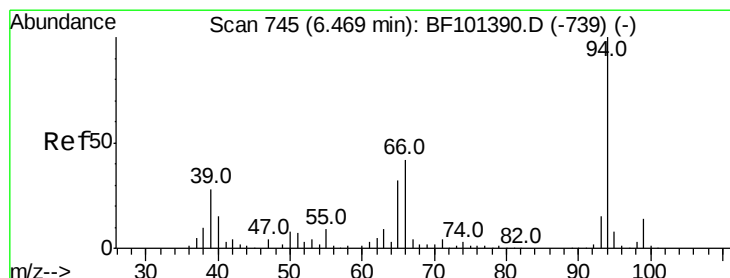
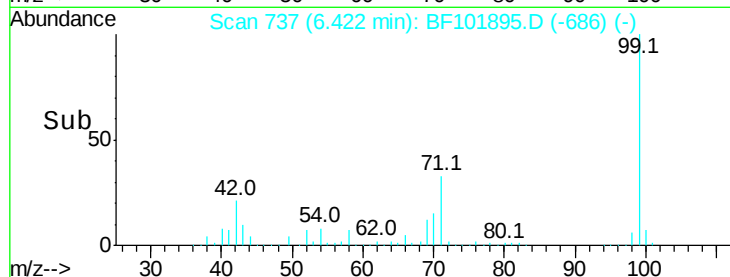
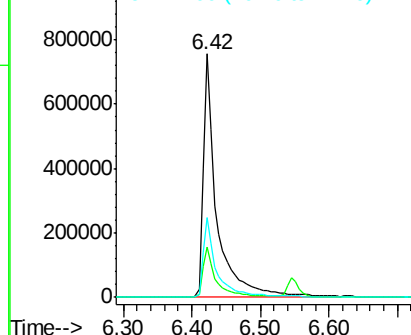
99 100

42 20.7 14.5 21.7

71 32.9 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



#10

Phenol

Concen: 3.040 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101895.D

Acq: 4 Jan 2018 17:14

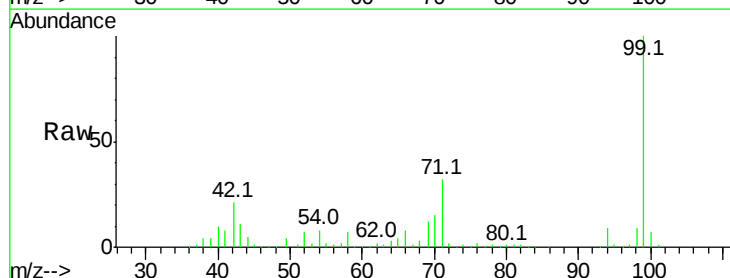
Tgt Ion: 94 Resp: 38275

Ion Ratio Lower Upper

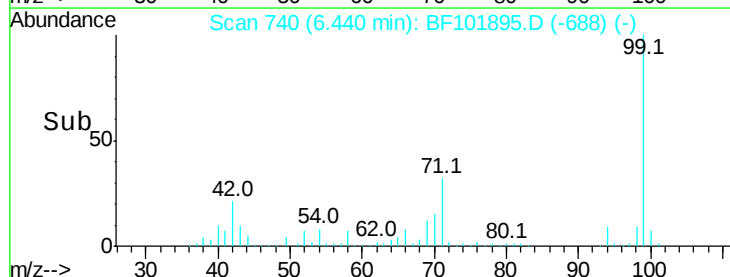
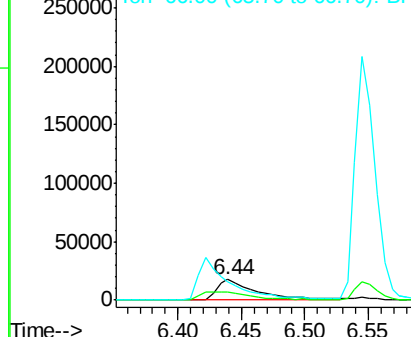
94 100

65 39.3 7.9 47.9

66 89.8 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

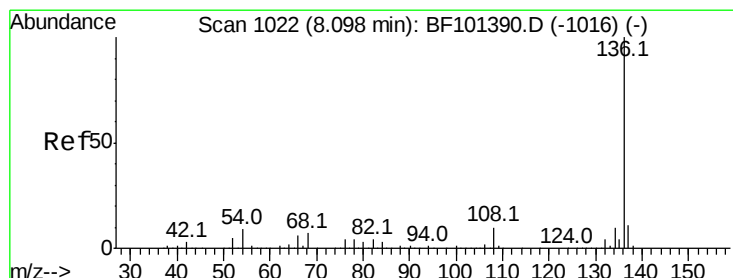
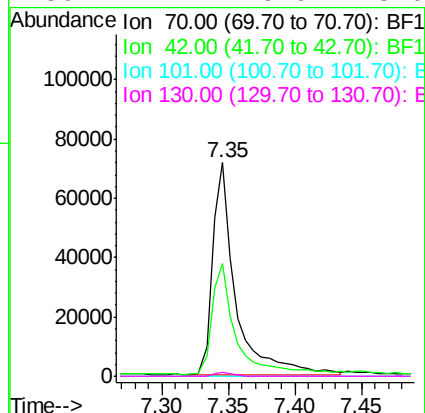
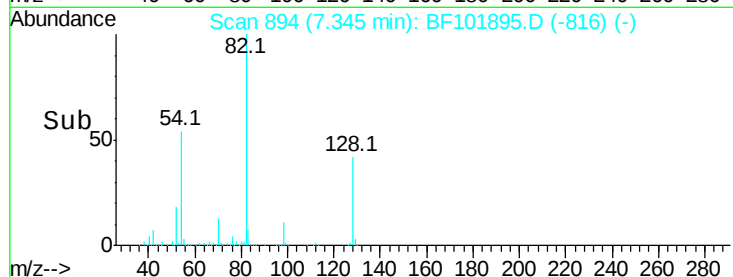
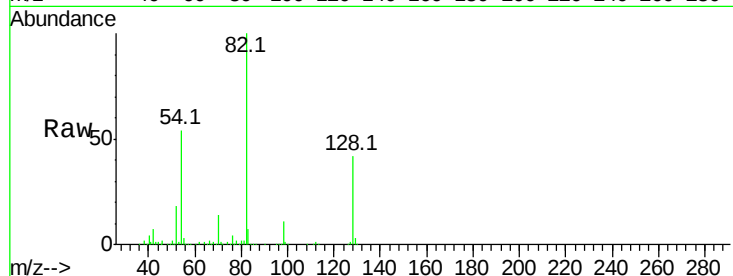




#19
n-Nitroso-di-n-propylamine
Concen: 11.982 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.16 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

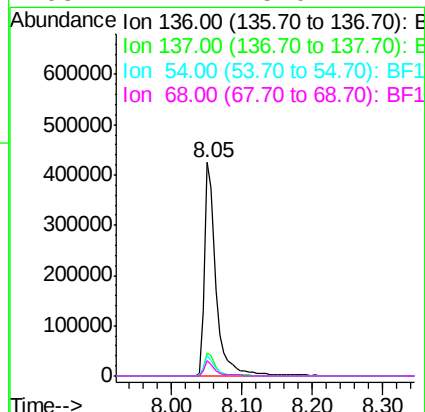
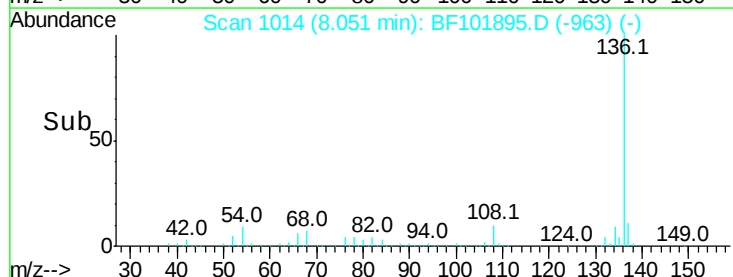
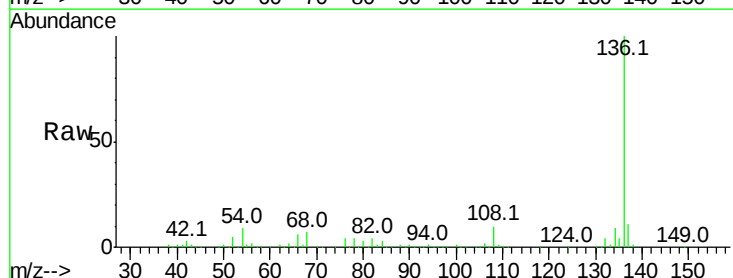
Instrument :
BNA_F
ClientSampleId :

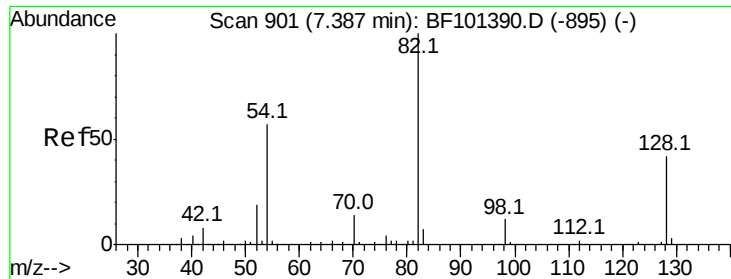
Tot Ion: 70 Resp: 86910
Ion Ratio Lower Upper
70 100
42 53.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

Tgt Ion: 136 Resp: 488419
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.5 6.6 9.8
68 7.1 5.0 7.4

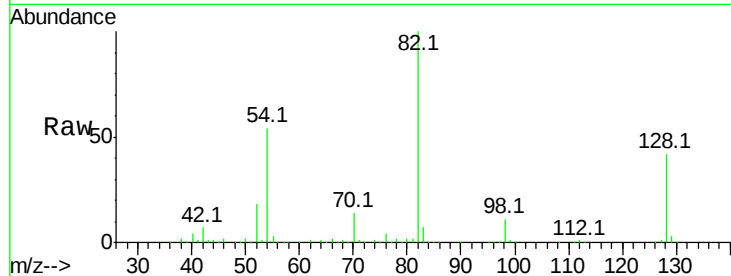




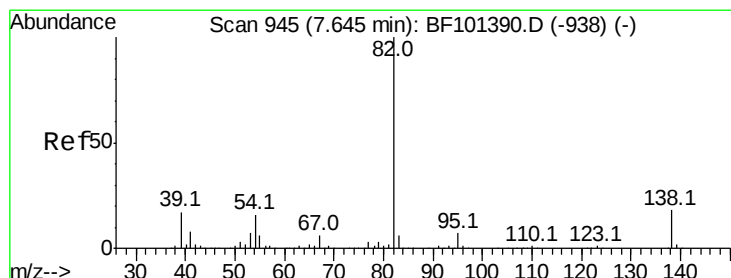
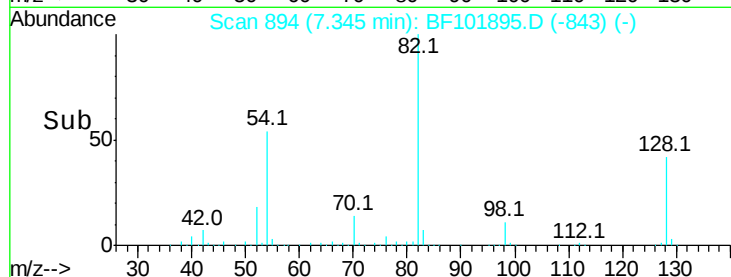
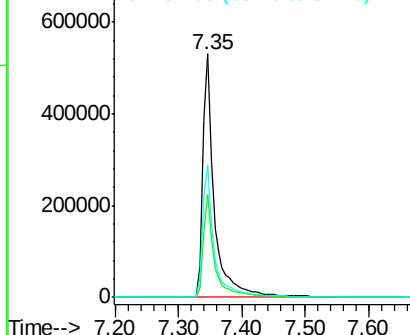
#23
Nitrobenzene-d5
Concen: 76.442 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.00 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 670711
Ion Ratio Lower Upper
82 100
128 42.0 36.1 54.1
54 54.4 41.4 62.2

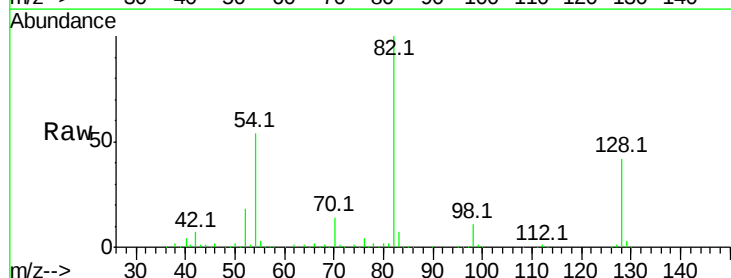


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

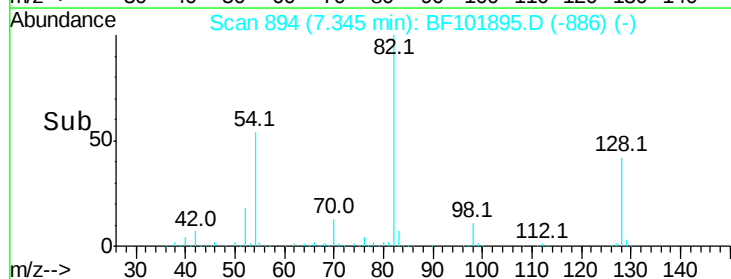
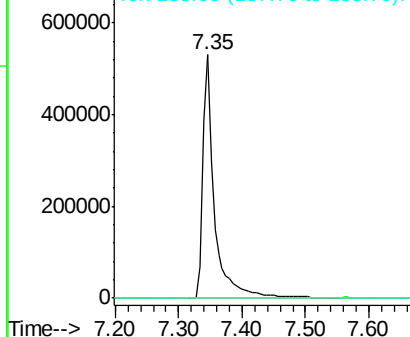


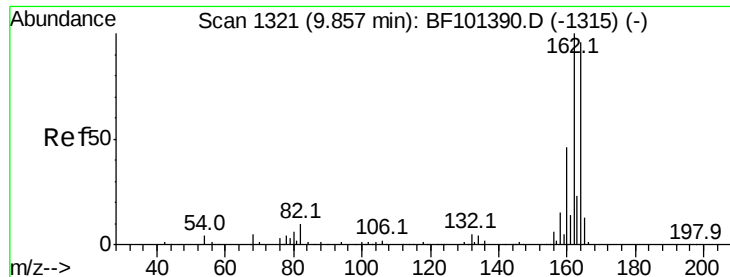
#25
Isophorone
Concen: 38.105 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.25 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

Tgt Ion: 82 Resp: 670711
Ion Ratio Lower Upper
82 100
95 0.1 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

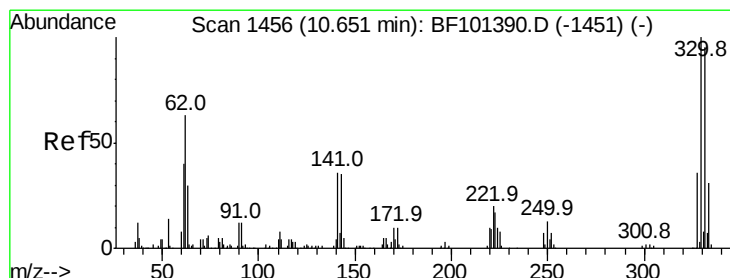
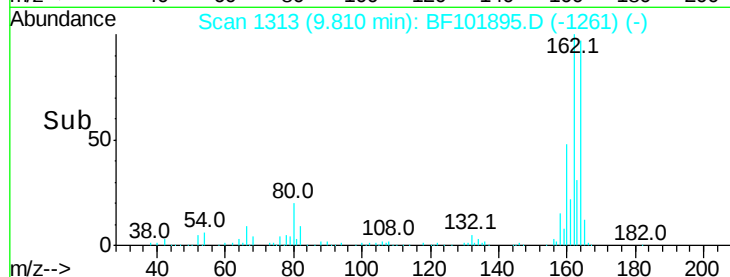
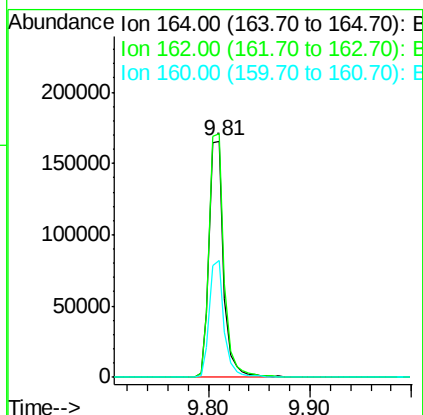
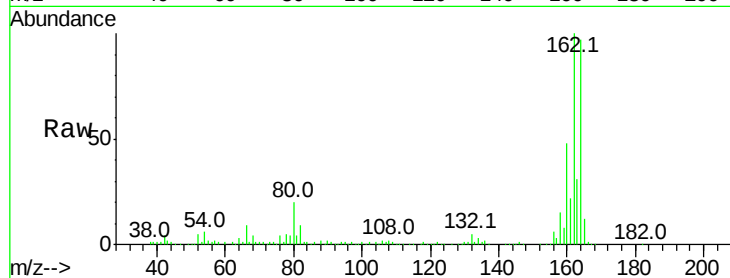




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.01 min
 Lab File: BF101895.D
 Acq: 4 Jan 2018 17:14

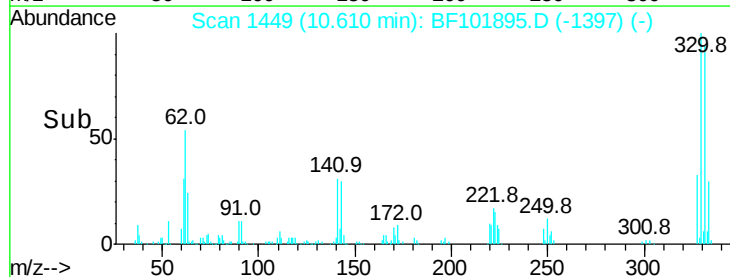
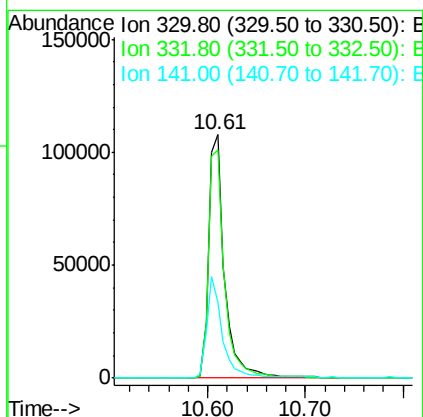
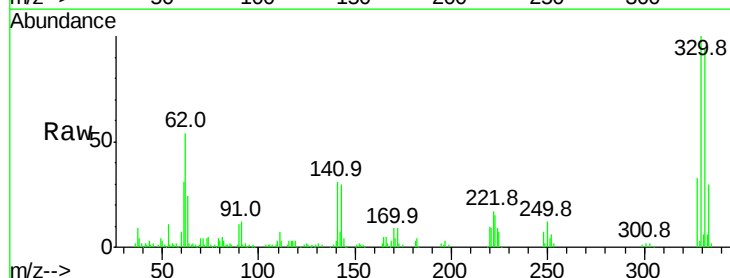
Instrument :
 BNA_F
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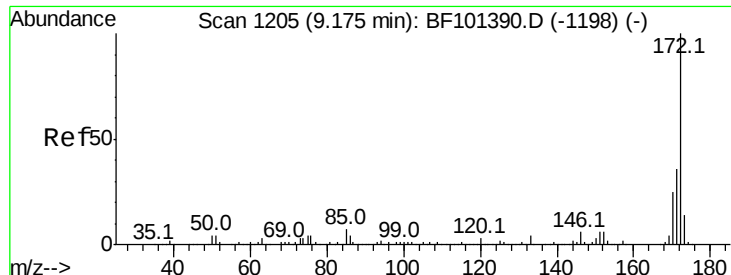
Tot Ion:164 Resp: 166611
 Ion Ratio Lower Upper
 164 100
 162 103.1 86.1 129.1
 160 49.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 75.392 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.01 min
 Lab File: BF101895.D
 Acq: 4 Jan 2018 17:14

Tgt Ion:330 Resp: 121036
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 40.7 29.9 44.9

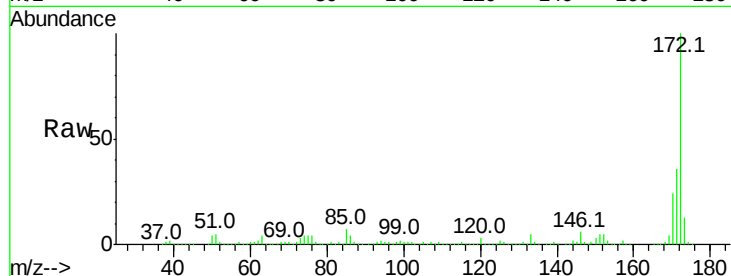




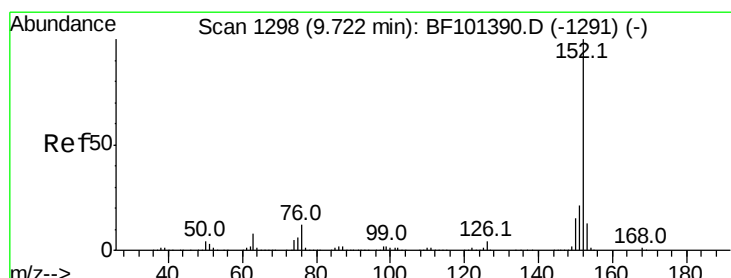
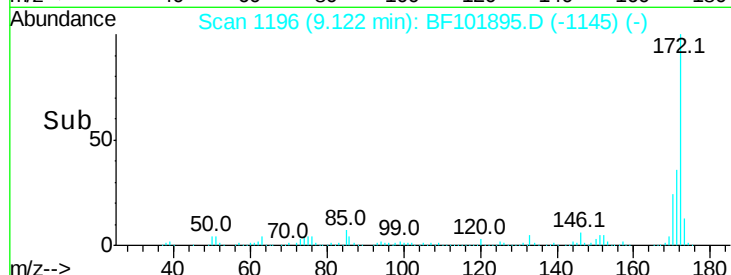
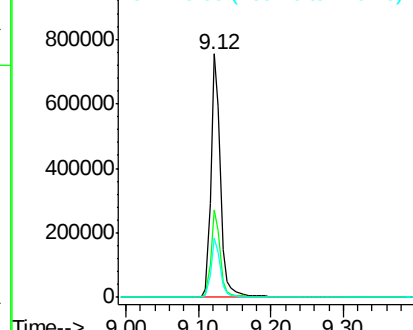
#44
2-Fluorobiphenyl
Concen: 64.997 ng
RT: 9.12 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 698105
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.1 19.6 29.4

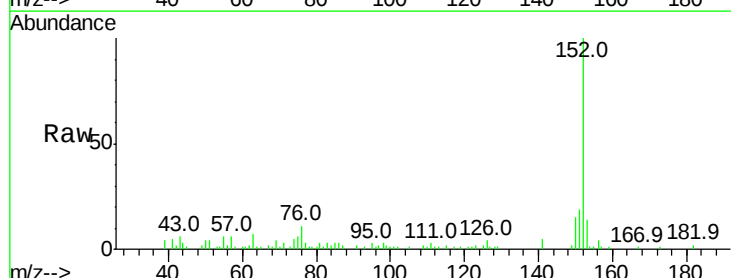


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

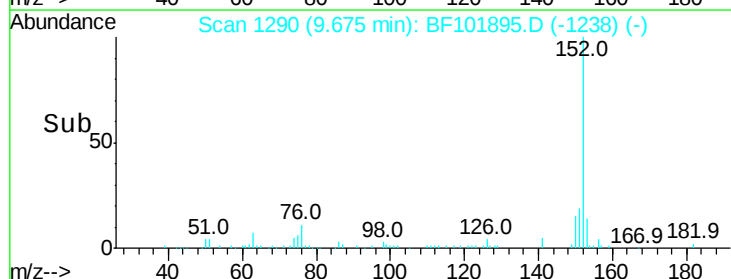
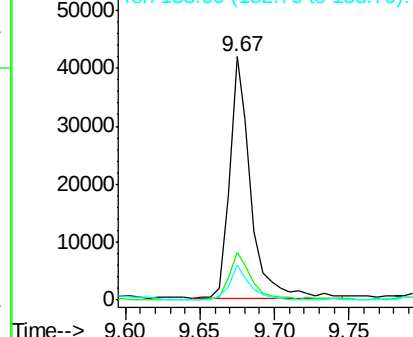


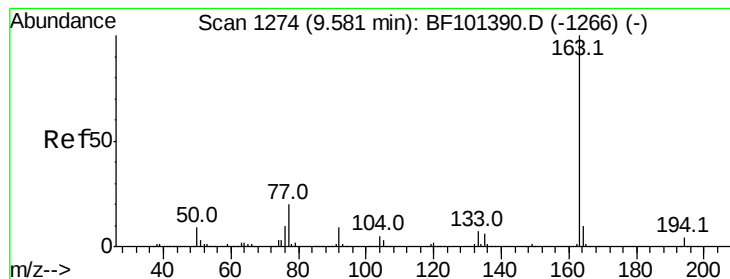
#48
Acenaphthylene
Concen: 2.322 ng
RT: 9.67 min Scan# 1290
Delta R.T. 0.01 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

Tgt Ion:152 Resp: 41465
Ion Ratio Lower Upper
152 100
151 19.5 16.3 24.5
153 14.4 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 7.610 ng

RT: 9.53 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BF101895.D

Acq: 4 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

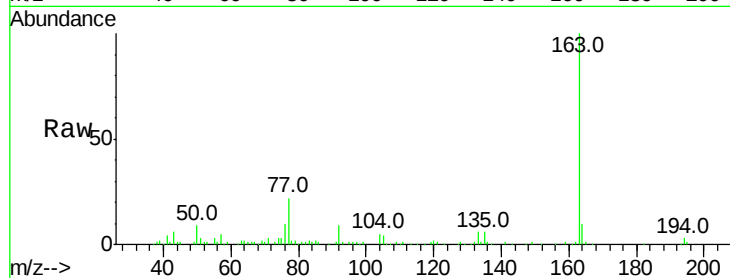
Tot Ion:163 Resp: 101986

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

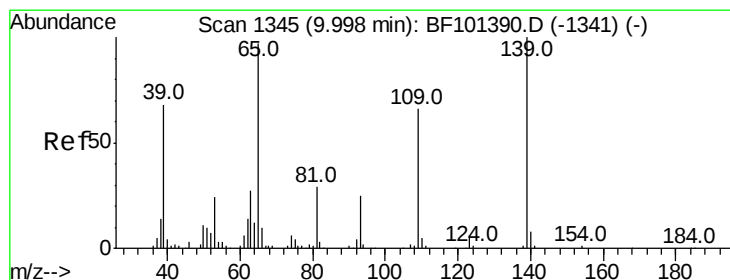
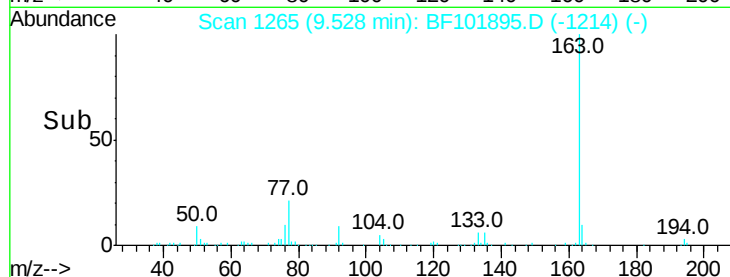
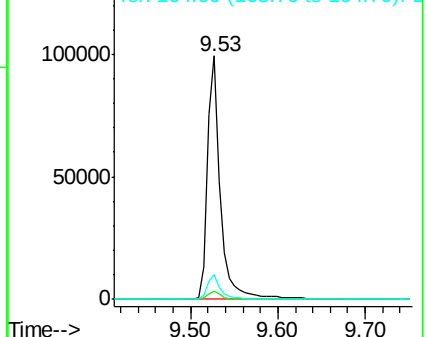
164 10.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#55

4-Nitrophenol

Concen: 4.209 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.04 min

Lab File: BF101895.D

Acq: 4 Jan 2018 17:14

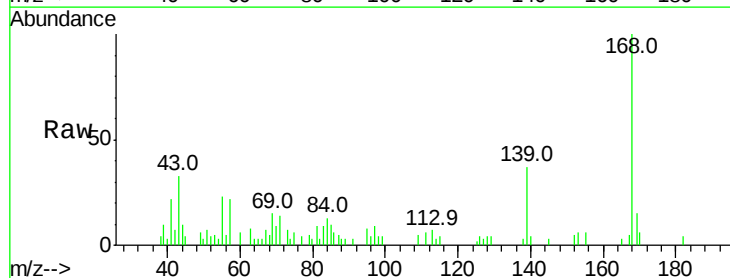
Tgt Ion:139 Resp: 6232

Ion Ratio Lower Upper

139 100

109 12.4 48.4 88.4#

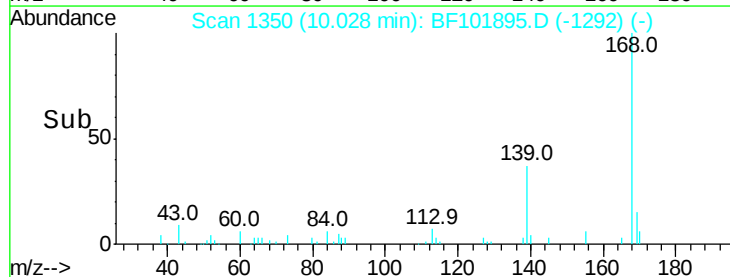
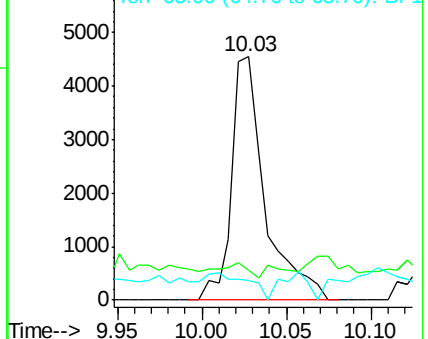
65 8.1 72.6 112.6#

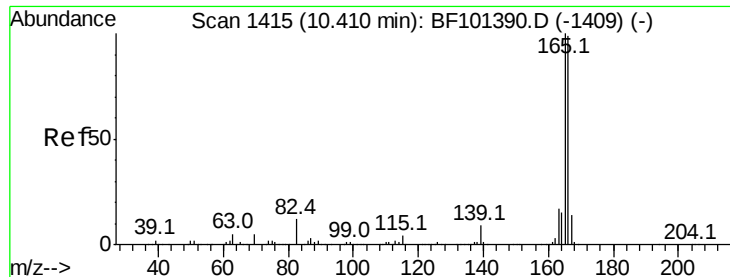


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

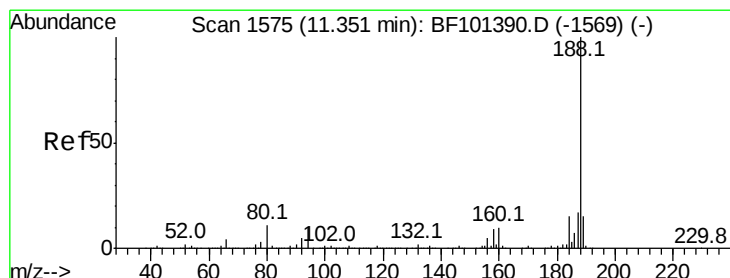
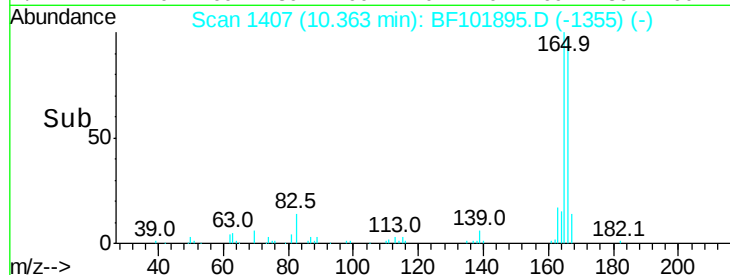
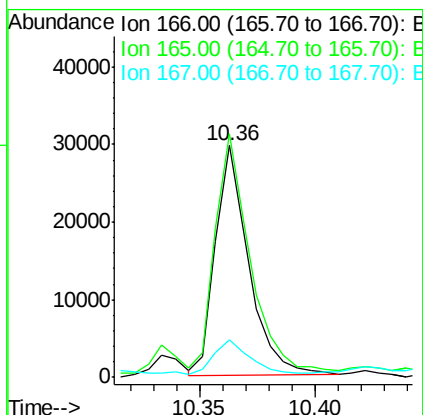
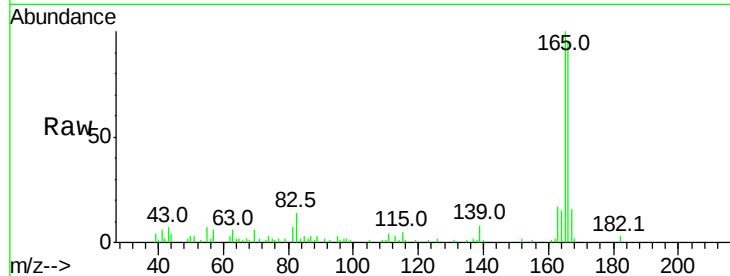




#57
 Fluorene
 Concen: 2.539 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. 0.01 min
 Lab File: BF101895.D
 Acq: 4 Jan 2018 17:14

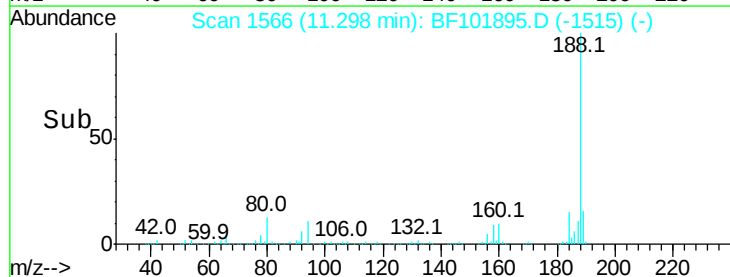
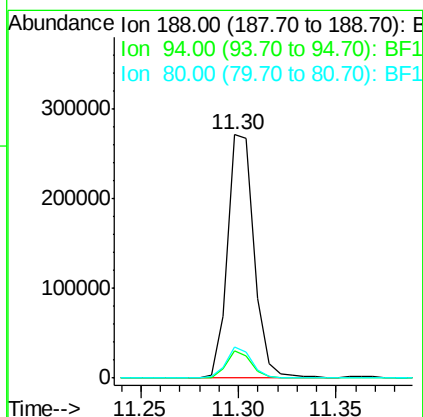
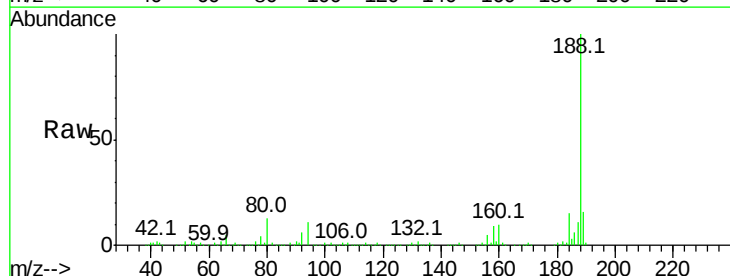
Instrument :
 BNA_F
 ClientSampleId :

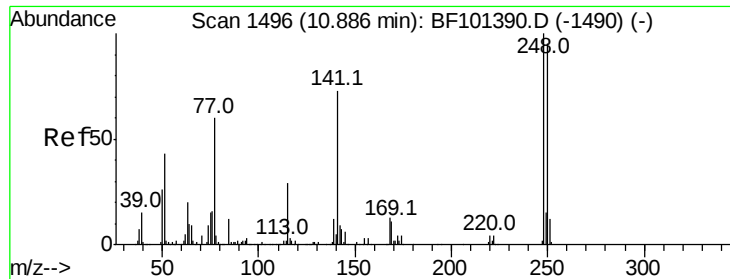
Tot Ion:166 Resp: 29286
 Ion Ratio Lower Upper
 166 100
 165 104.9 79.8 119.8
 167 16.4 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: BF101895.D
 Acq: 4 Jan 2018 17:14

Tgt Ion:188 Resp: 257271
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 12.6 9.2 13.8

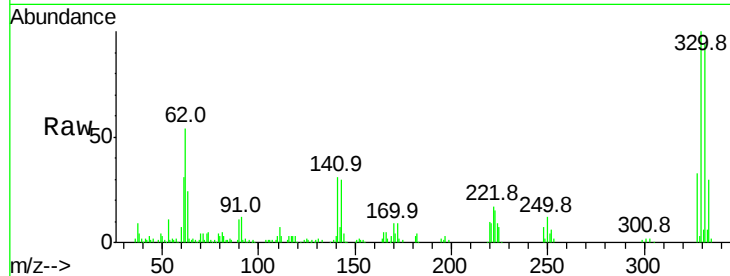




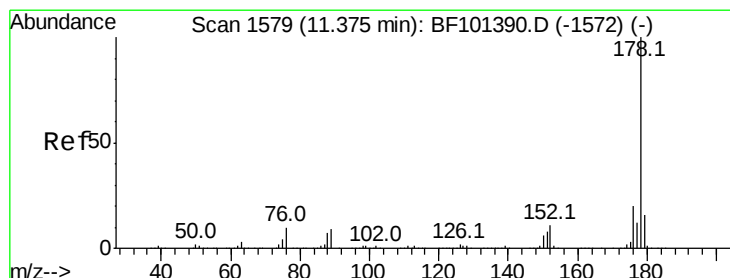
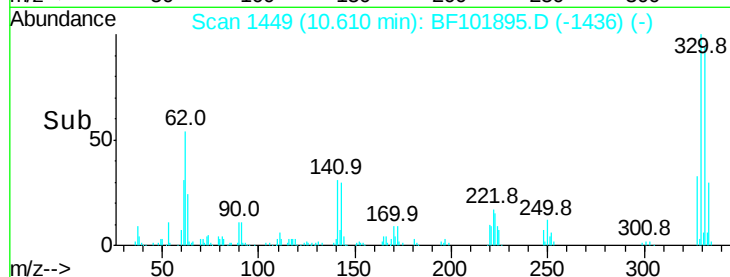
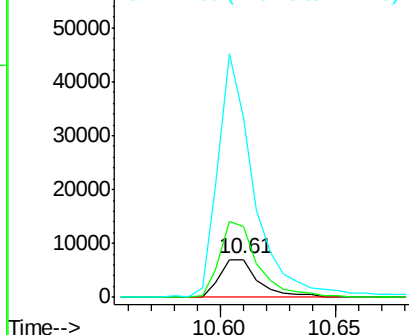
#66
 4-Bromophenyl-phenylether
 Concen: 2.813 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.22 min
 Lab File: BF101895.D
 Acq: 4 Jan 2018 17:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8131
 Ion Ratio Lower Upper
 248 100
 250 187.2 76.9 115.3#
 141 475.5 74.4 111.6#

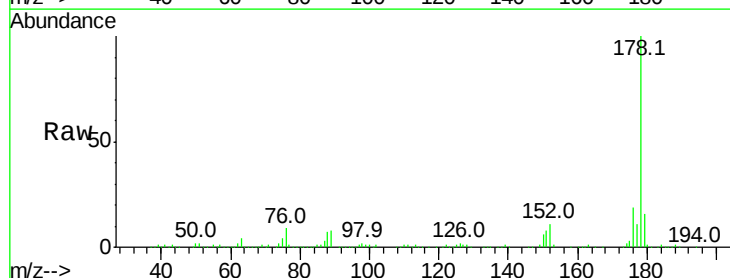


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

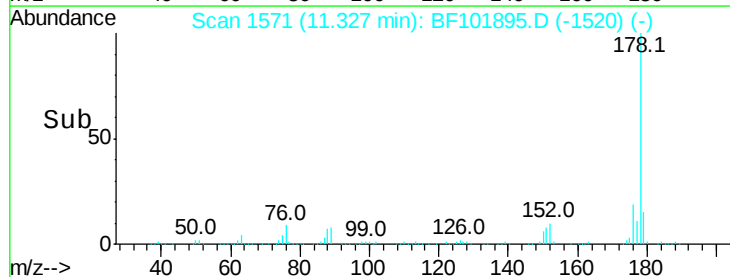
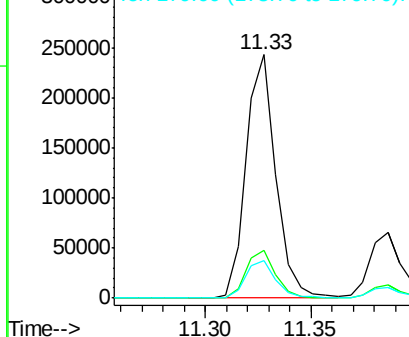


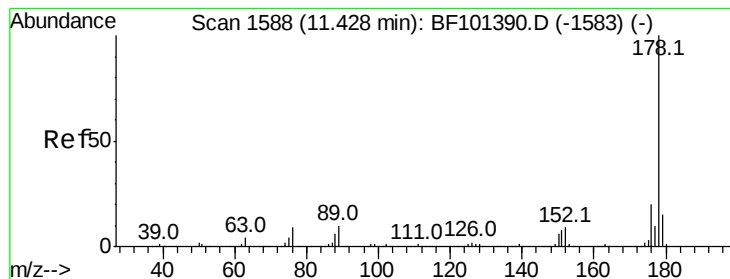
#70
 Phenanthrene
 Concen: 16.655 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF101895.D
 Acq: 4 Jan 2018 17:14

Tgt Ion:178 Resp: 238286
 Ion Ratio Lower Upper
 178 100
 176 19.4 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: 4.732 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BF101895.D

Acq: 4 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

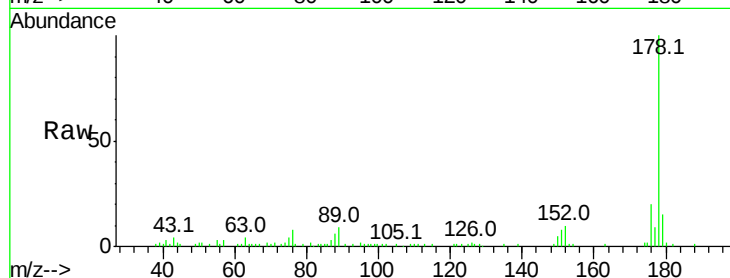
Tot Ion:178 Resp: 69156

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.3	12.6	19.0

178 100

176 19.6 15.4 23.2

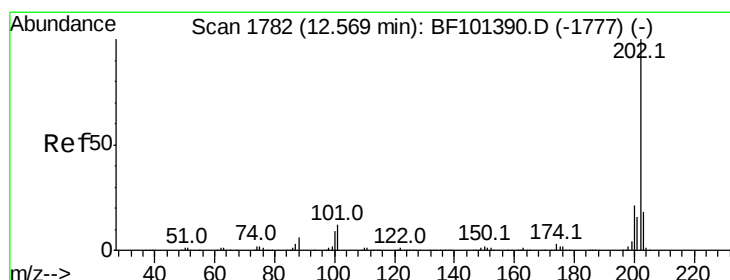
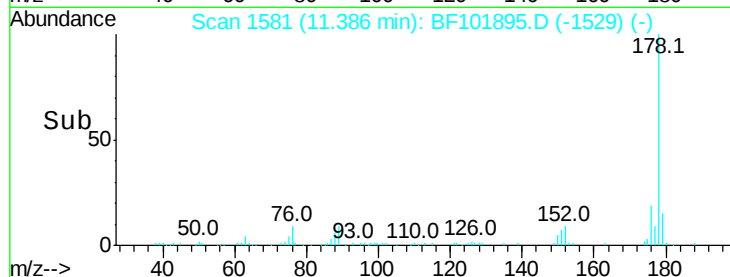
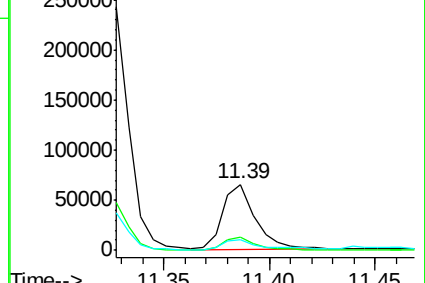
179 15.3 12.6 19.0



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: 22.758 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF101895.D

Acq: 4 Jan 2018 17:14

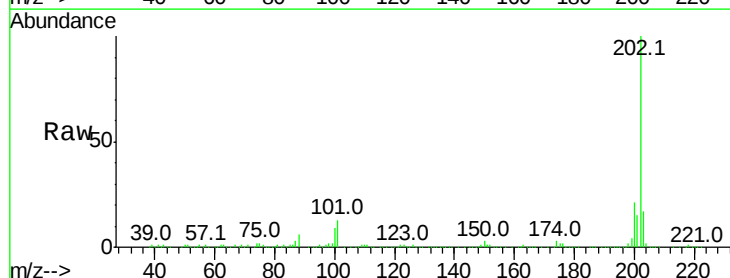
Tgt Ion:202 Resp: 341769

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	16.9	0.0	38.1

202 100

101 12.7 0.0 34.1

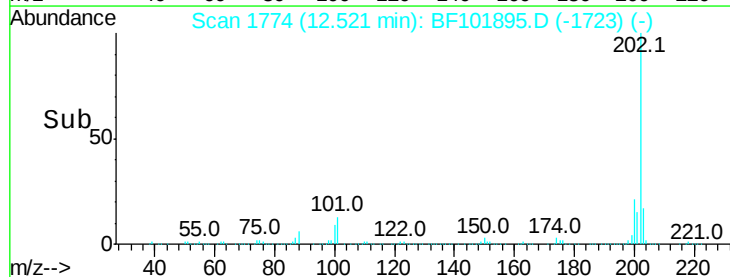
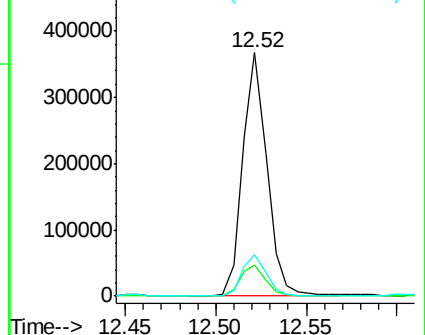
203 16.9 0.0 38.1

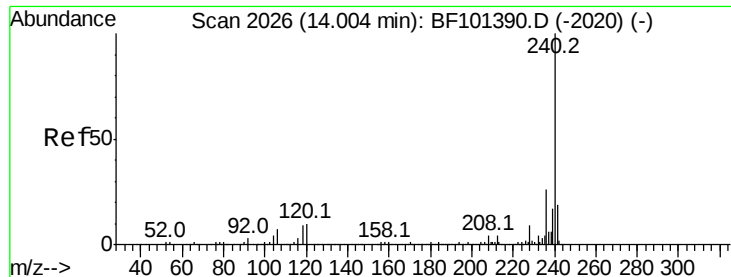


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF101895.D

Acq: 4 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

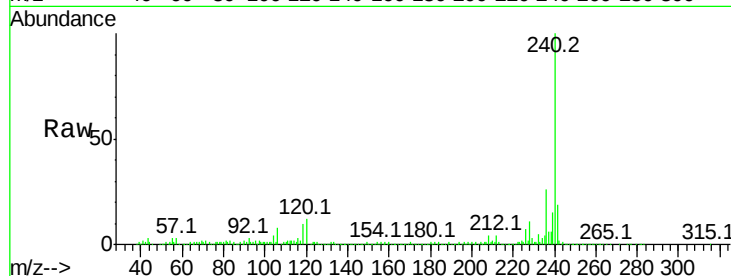
Tot Ion:240 Resp: 270710

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

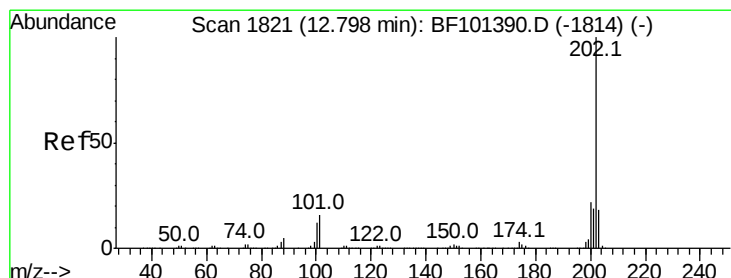
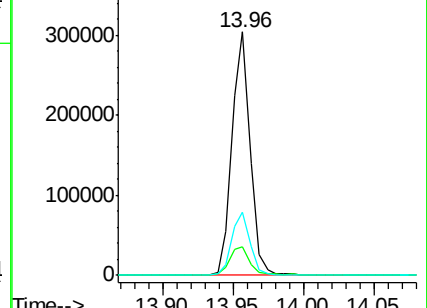
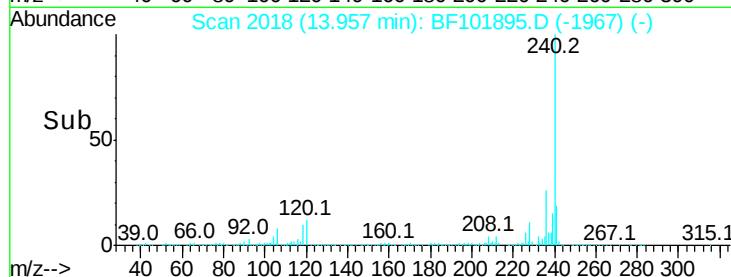
236 26.0 20.7 31.1



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: 15.406 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BF101895.D

Acq: 4 Jan 2018 17:14

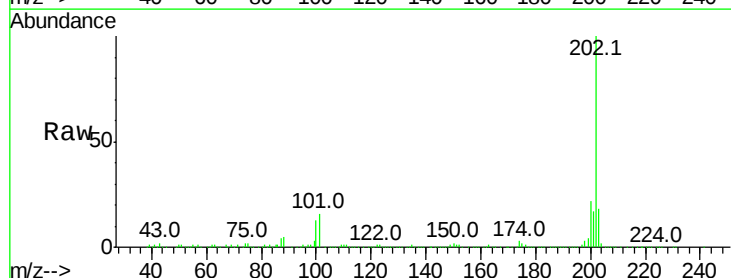
Tgt Ion:202 Resp: 313007

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

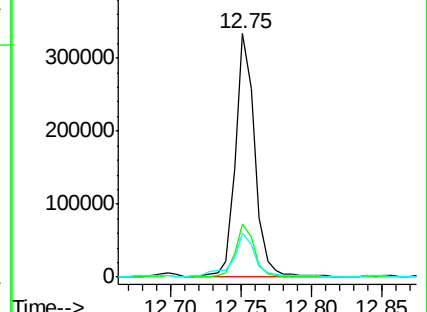
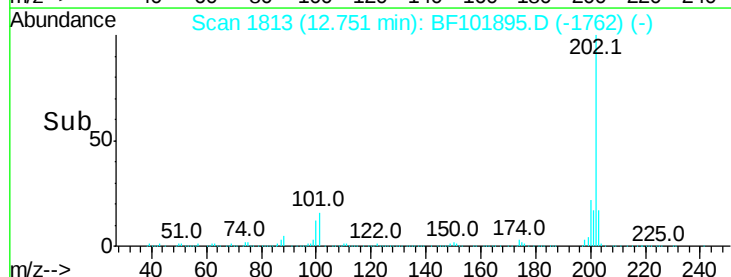
203 17.9 14.3 21.5

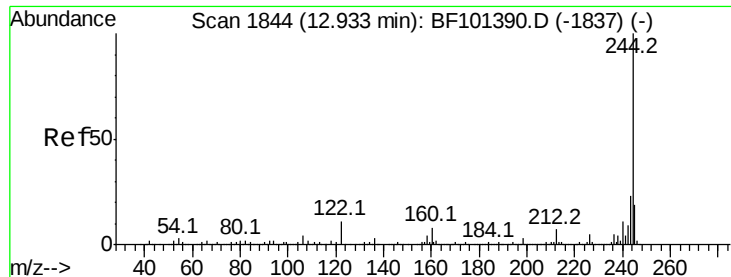


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 49.695 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF101895.D

Acq: 4 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

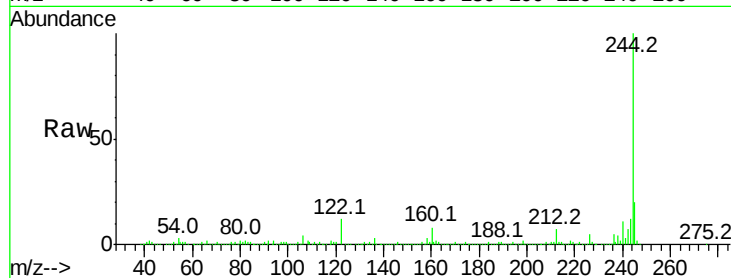
Tot Ion:244 Resp: 558037

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

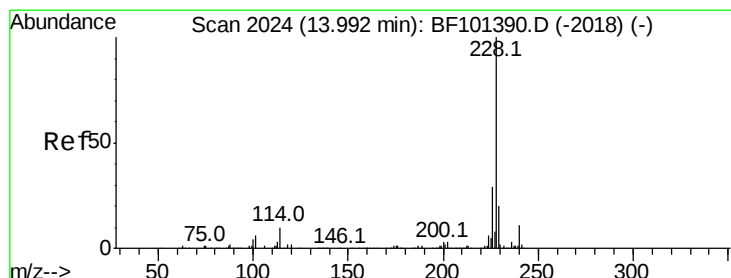
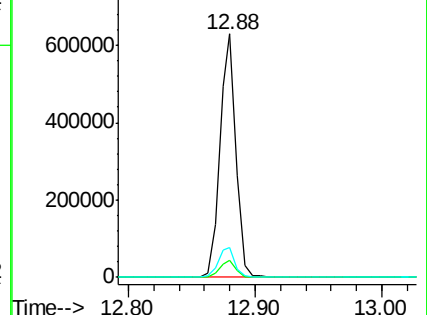
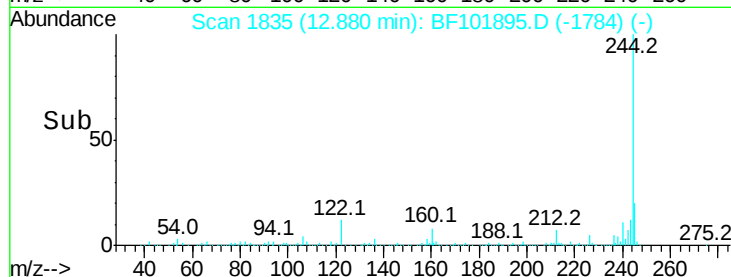
122 12.1 11.0 16.4



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: 9.927 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF101895.D

Acq: 4 Jan 2018 17:14

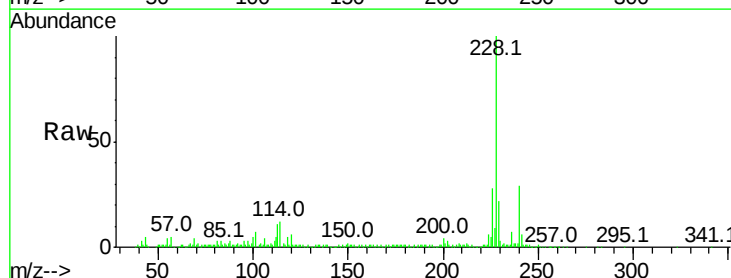
Tgt Ion:228 Resp: 177456

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

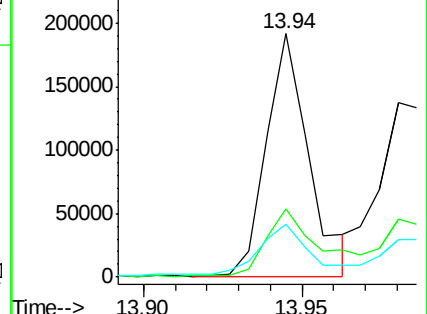
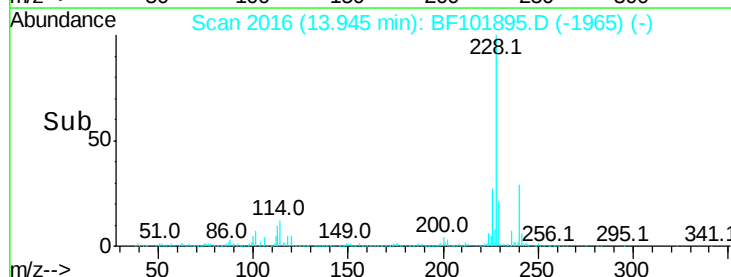
229 21.8 15.8 23.6

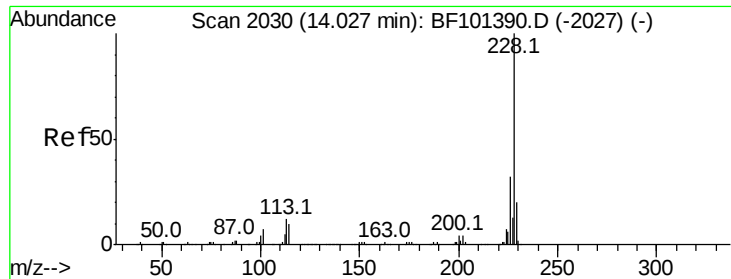


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

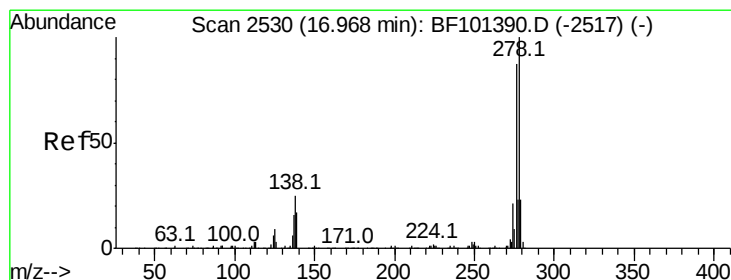
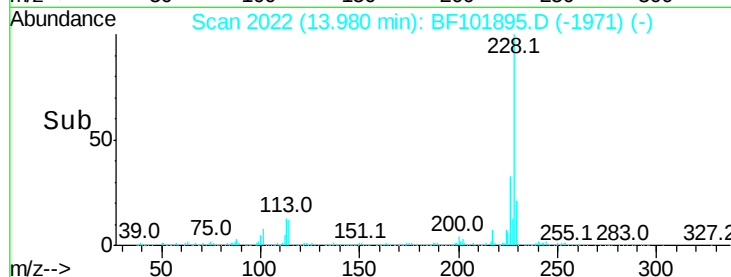
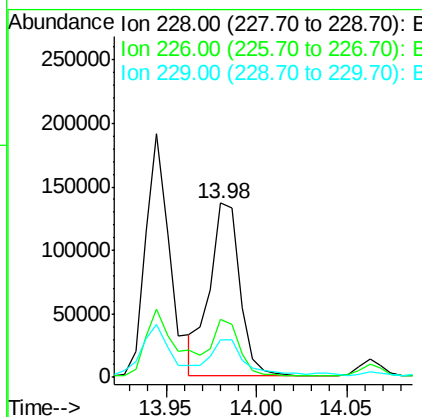
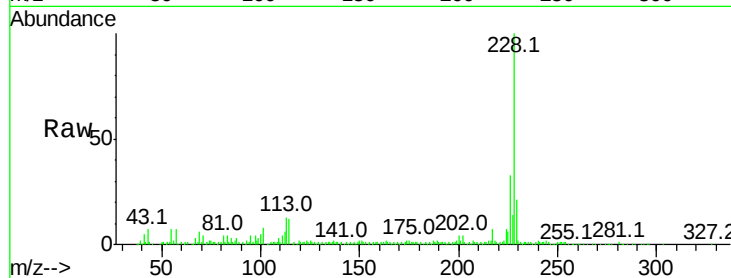




#82
Chrysene
Concen: 9.440 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

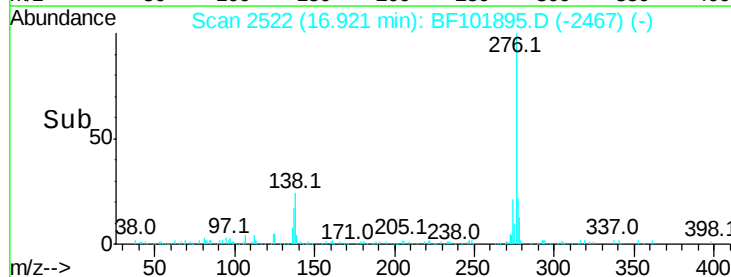
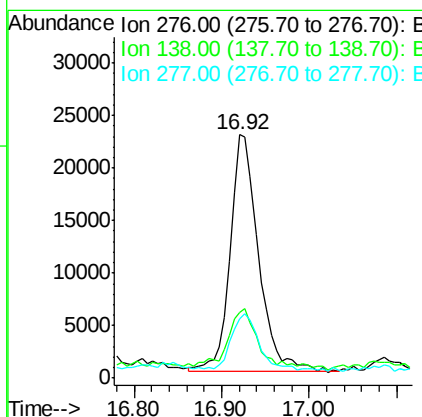
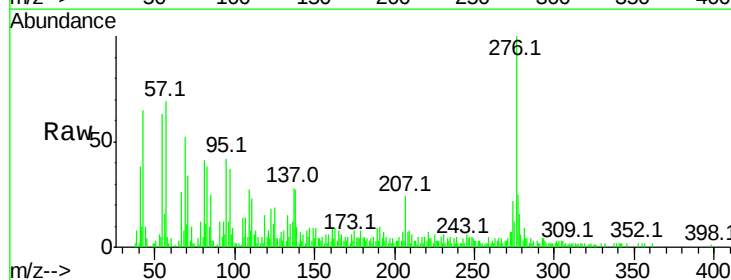
Instrument :
BNA_F
ClientSampleId :

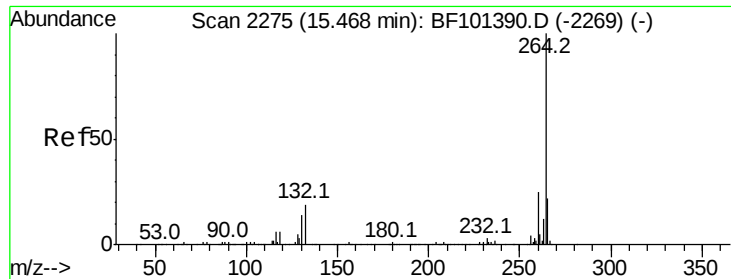
Tot Ion:228 Resp: 159320
Ion Ratio Lower Upper
228 100
226 33.0 25.0 37.6
229 21.3 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.272 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.02 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

Tgt Ion:276 Resp: 49173
Ion Ratio Lower Upper
276 100
138 30.3 25.0 37.6
277 21.9 20.1 30.1

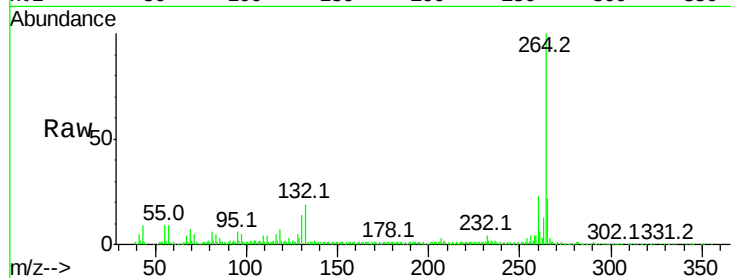




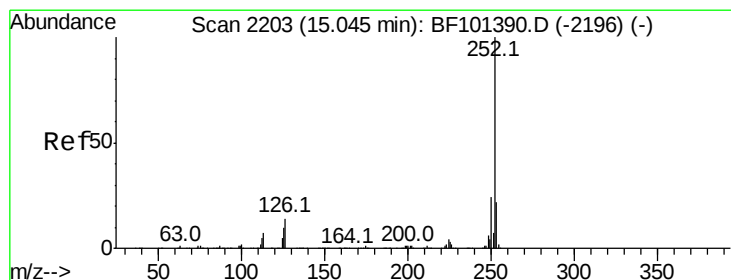
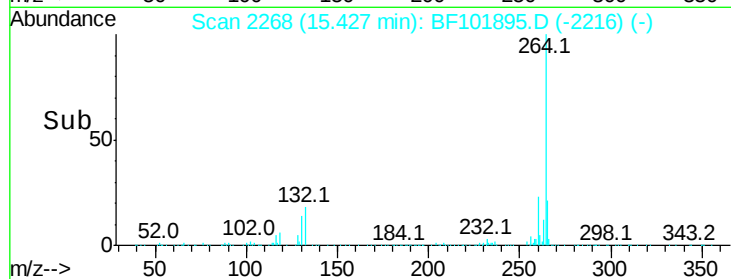
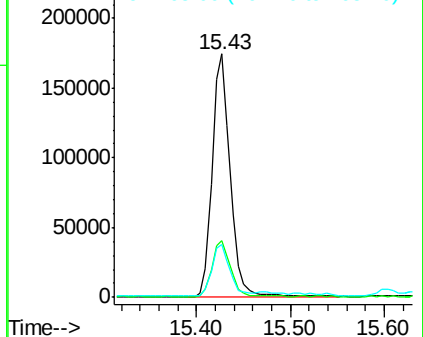
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 234170
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.6 17.5 26.3

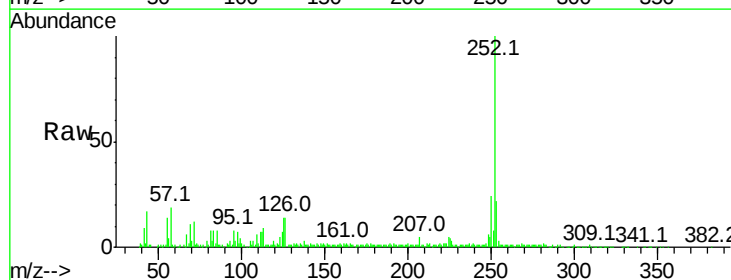


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

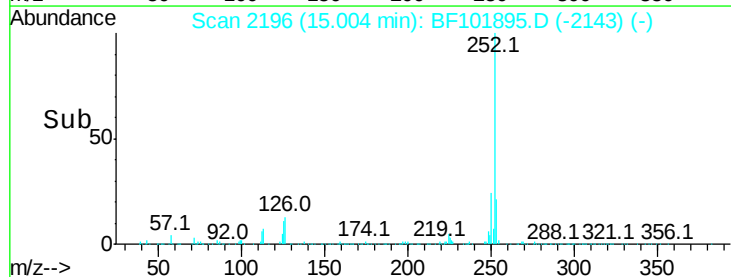
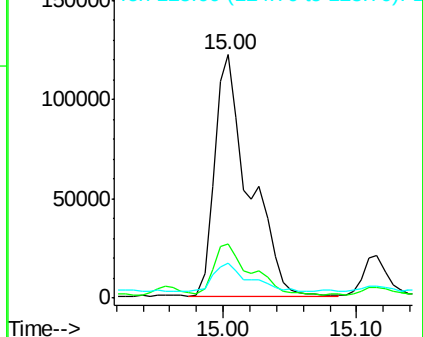


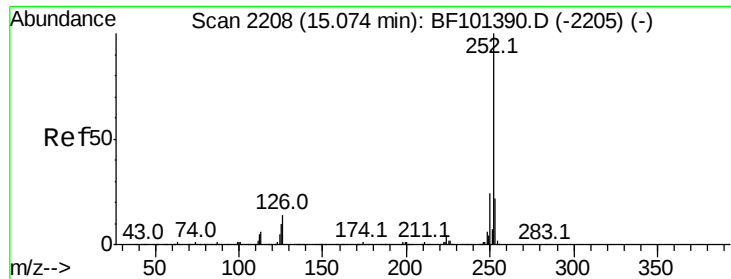
#87
Benzo(b)fluoranthene
Concen: 15.280 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

Tgt Ion:252 Resp: 218090
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 14.2 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

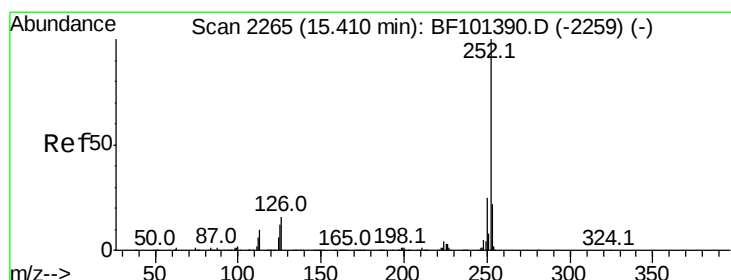
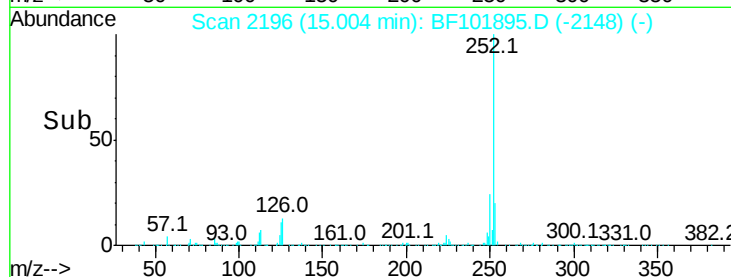
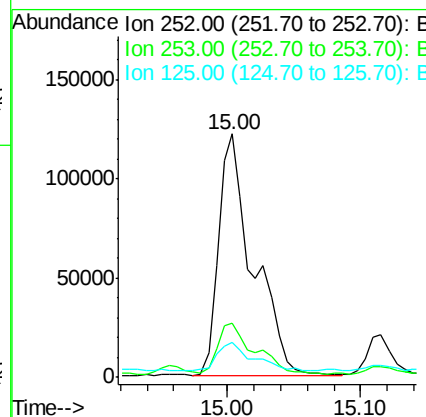
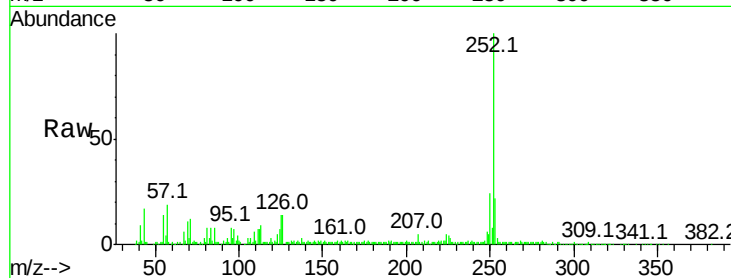




#88
Benzo(k)fluoranthene
Concen: 15.715 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

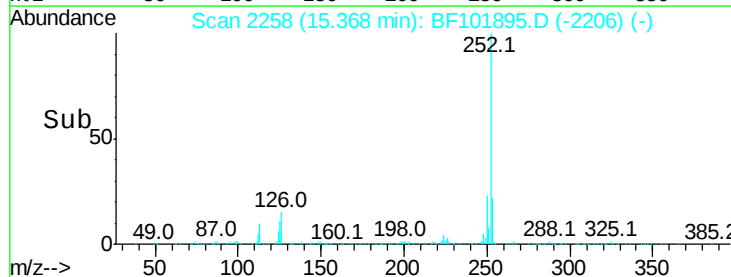
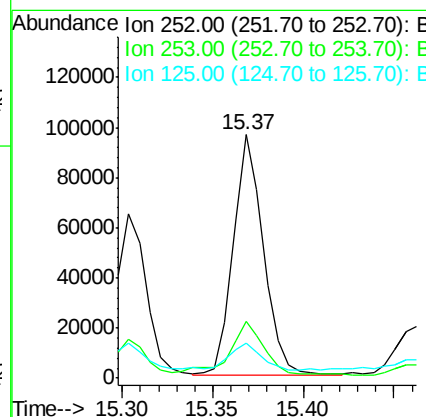
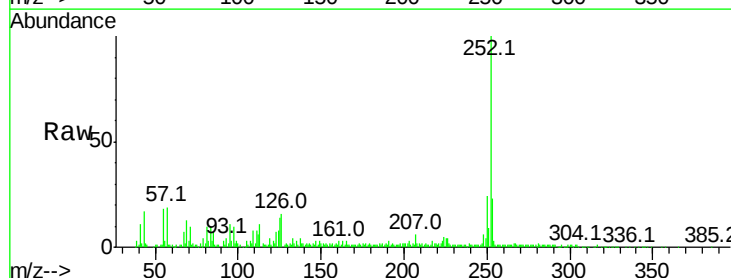
Instrument :
BNA_F
ClientSampleId :

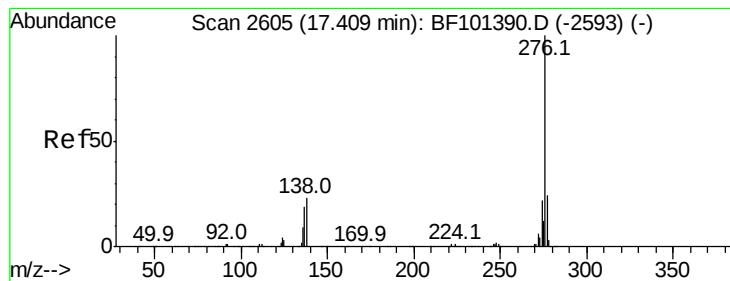
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	14.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 8.419 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF101895.D
Acq: 4 Jan 2018 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.4	9.8	14.6

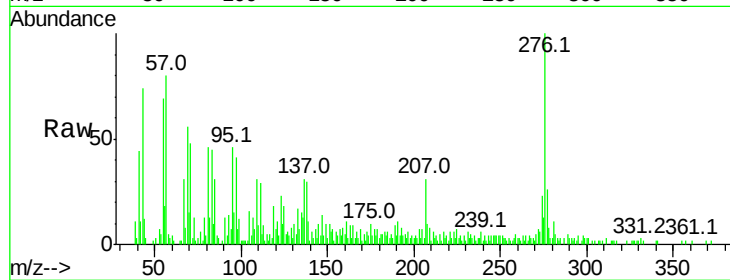




#91
 Benzo(a,h,i)perylene
 Concen: 3.989 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. 0.03 min
 Lab File: BF101895.D
 Acq: 4 Jan 2018 17:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	30.1	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

