

Data Path : U:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101901.D
 Acq On : 4 Jan 2018 19:55
 Operator : SJ/JU
 Sample : J1033-04 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 23:54:52 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	136778	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	536446	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	199953	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	289945	20.00	ng	0.00
75) Chrysene-d12	13.96	240	245105	20.00	ng	0.00
86) Perylene-d12	15.43	264	204534	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	229628	25.01	ng	0.02
7) Phenol-d6	6.43	99	304326	26.63	ng	0.01
23) Nitrobenzene-d5	7.35	82	183825	19.08	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	31471	16.33	ng	0.01
44) 2-Fluorobiphenyl	9.12	172	256502	19.90	ng	0.00
78) Terphenyl-d14	12.88	244	167765	16.50	ng	0.00

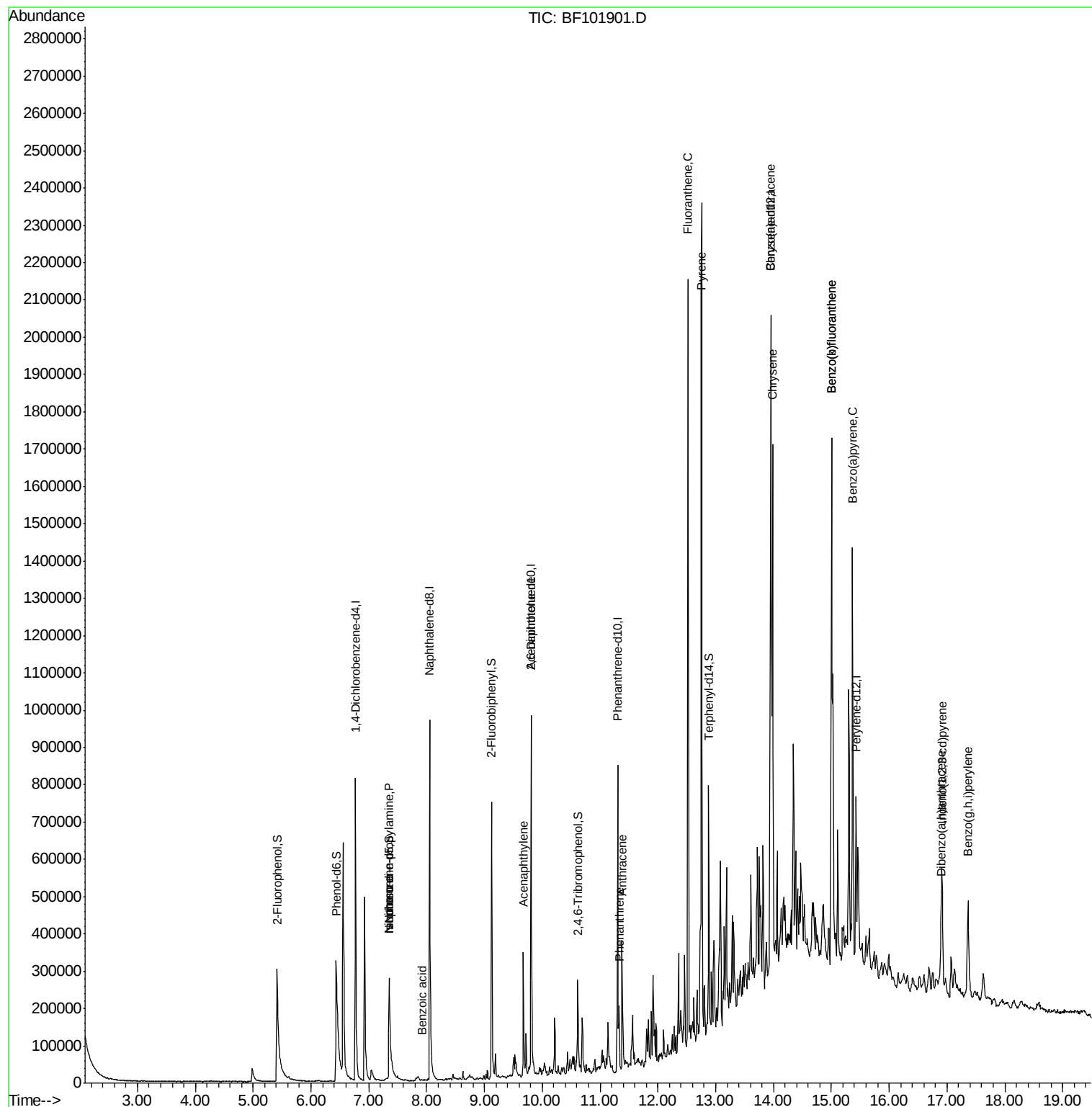
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.35	70	24738	3.296	ng	# 87
25) Isophorone	7.35	82	183825	9.509	ng	# 64
32) Benzoic acid	7.92	122	254	8.001	ng	# 35
48) Acenaphthylene	9.67	152	161238	7.524	ng	98
50) 2,6-Dinitrotoluene	9.81	165	26113	7.988	ng	# 26
70) Phenanthrene	11.33	178	65315	4.051	ng	99
71) Anthracene	11.38	178	164179	9.968	ng	99
74) Fluoranthene	12.52	202	815332	48.174	ng	100
77) Pyrene	12.76	202	934515	50.802	ng	99
80) Benzo(a)anthracene	13.94	228	683310	42.220	ng	97
82) Chrysene	13.99	228	578833	37.879	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	260203	19.121	ng	# 88
87) Benzo(b)fluoranthene	15.00	252	1050863	84.293	ng	96
88) Benzo(k)fluoranthene	15.00	252	1050863	86.697	ng	99
89) Benzo(a)pyrene	15.37	252	556596	48.431	ng	98
90) Dibenzo(a,h)anthracene	16.89	278	82350	8.346	ng	96
91) Benzo(g,h,i)perylene	17.36	276	217651	22.276	ng	95

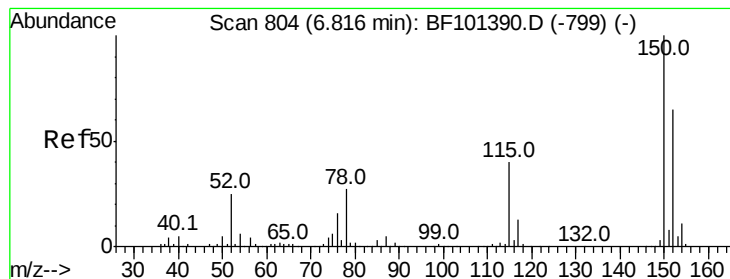
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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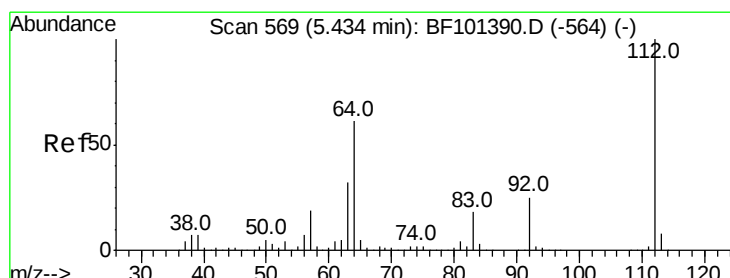
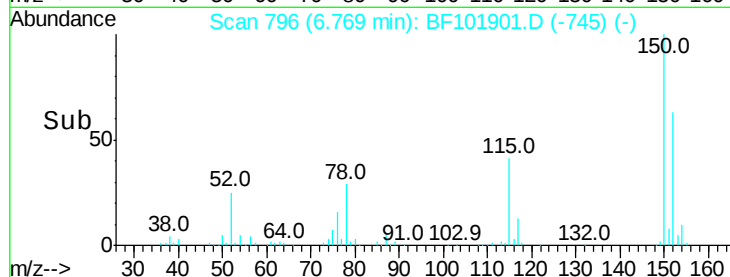
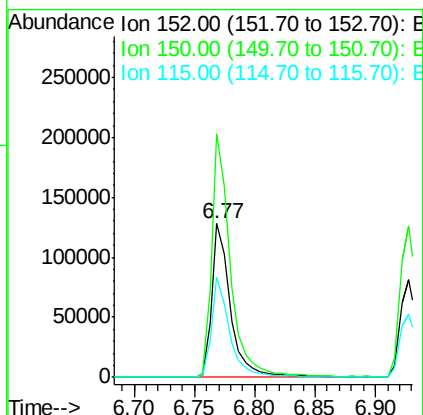
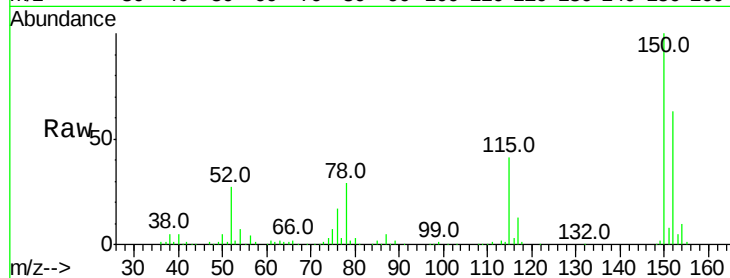


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Instrument :
BNA_F
ClientSampleId :

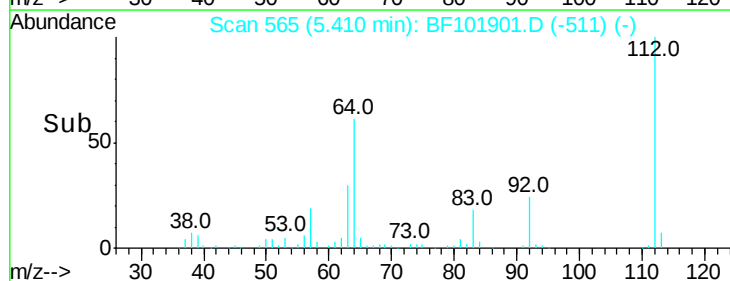
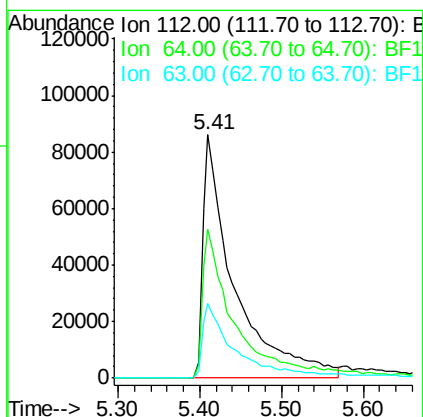
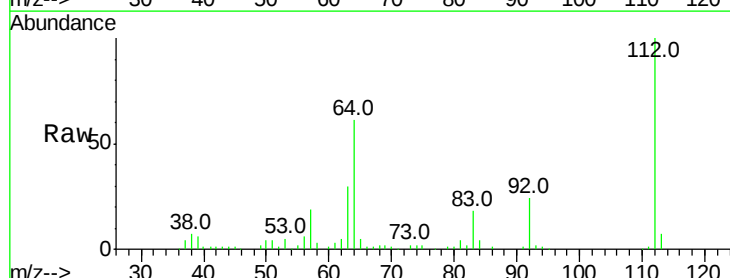
Tot Ion:152 Resp: 136778
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 65.2 50.1 75.1

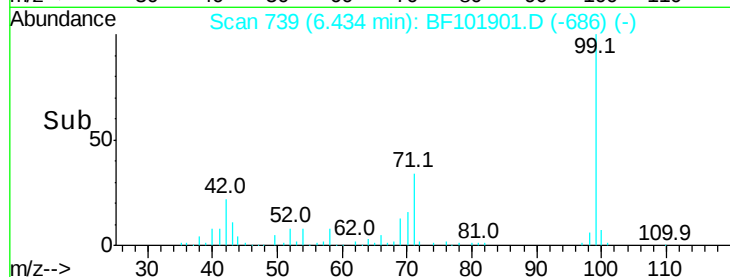
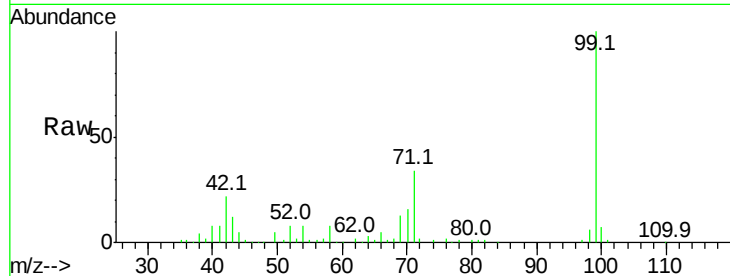
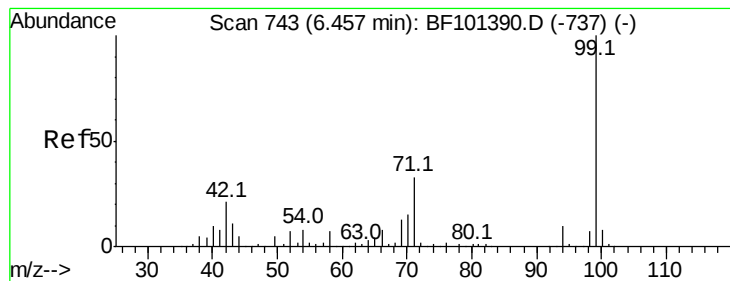


#5

2-Fluorophenol
Concen: 25.008 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.02 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion:112 Resp: 229628
Ion Ratio Lower Upper
112 100
64 61.0 47.9 71.9
63 30.4 23.7 35.5





#7

Phenol-d6

Concen: 26.630 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Instrument :

BNA_F

ClientSampled :

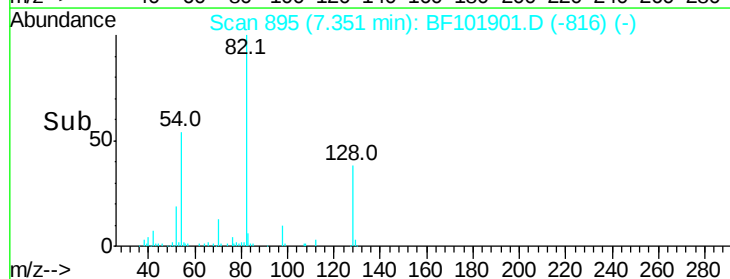
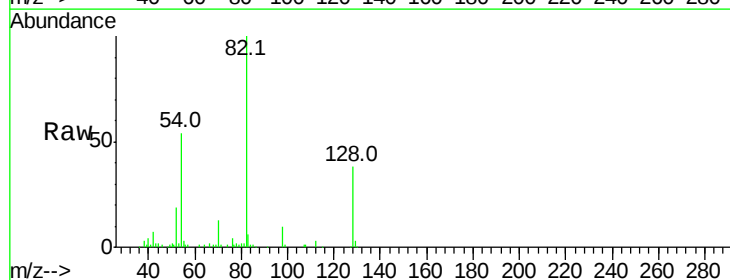
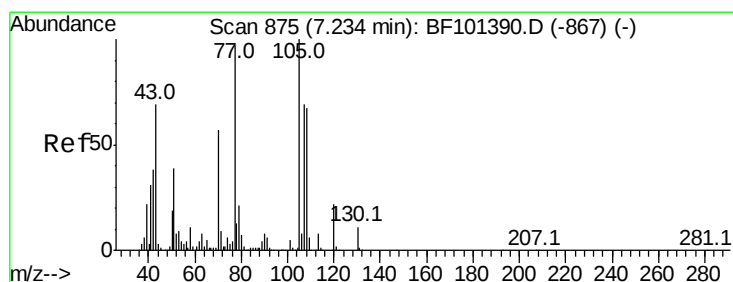
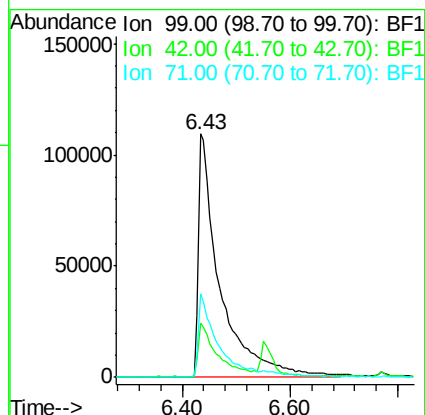
Tot Ion: 99 Resp: 304326

Ion Ratio Lower Upper

99 100

42 22.3 14.5 21.7#

71 34.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.296 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.16 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Tgt Ion: 70 Resp: 24738

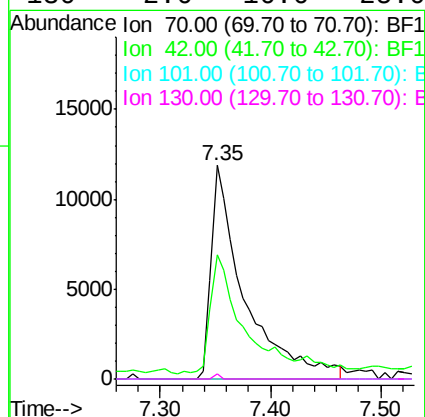
Ion Ratio Lower Upper

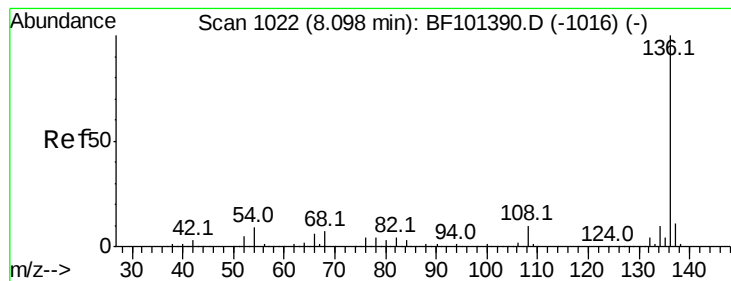
70 100

42 58.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 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: BF101901.D

Acq: 4 Jan 2018 19:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 536446

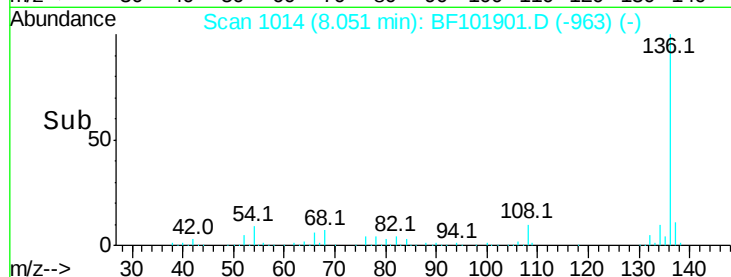
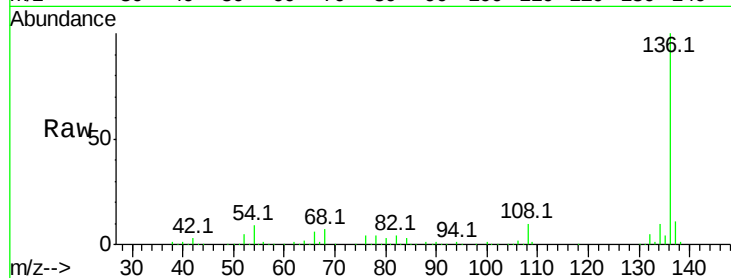
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.4 6.6 9.8

68 6.8 5.0 7.4

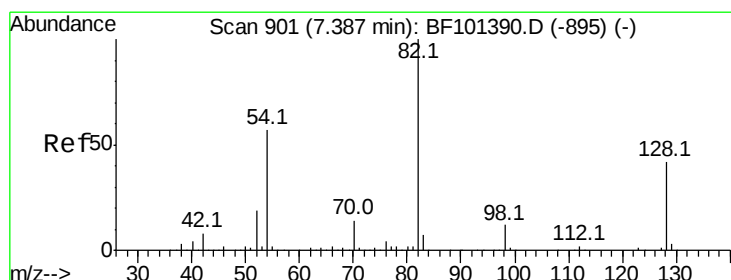
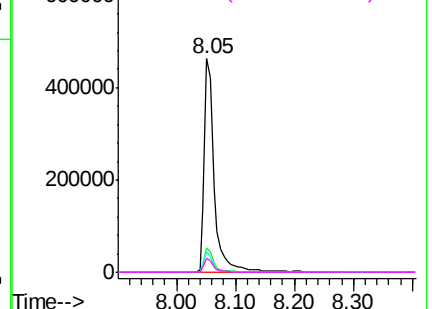


Abundance Ion 136.00 (135.70 to 136.70): E

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: 19.075 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.01 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

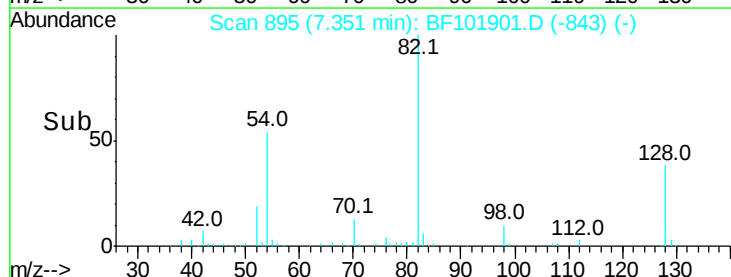
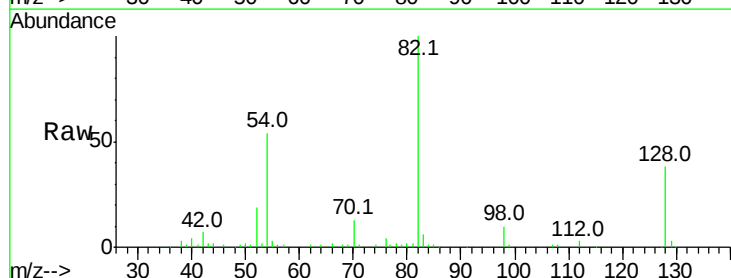
Tgt Ion: 82 Resp: 183825

Ion Ratio Lower Upper

82 100

128 38.2 36.1 54.1

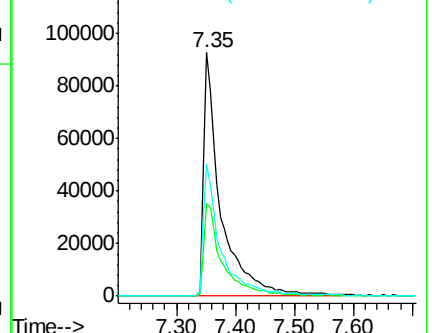
54 54.1 41.4 62.2

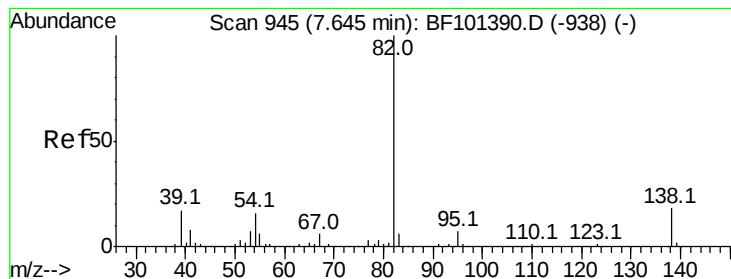


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 9.509 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.25 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Instrument :

BNA_F

ClientSampleId :

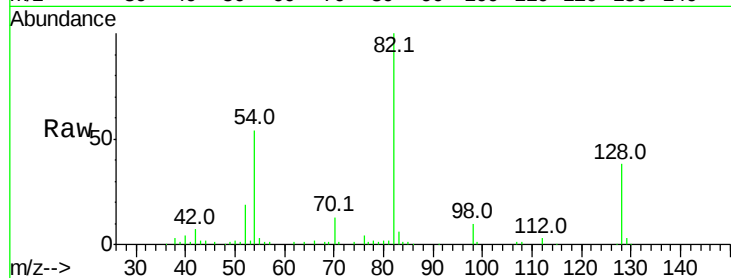
Tot Ion: 82 Resp: 183825

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

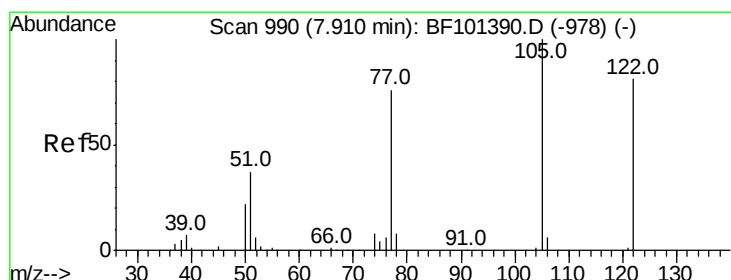
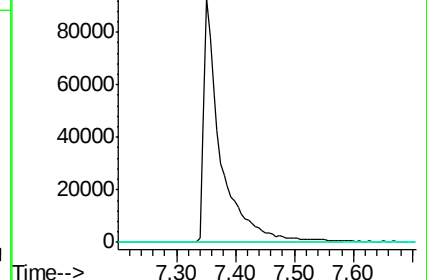
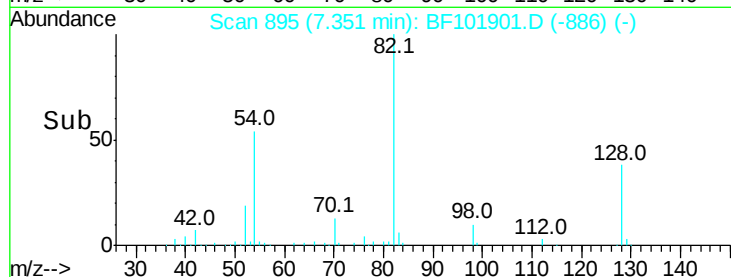
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 8.001 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.02 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

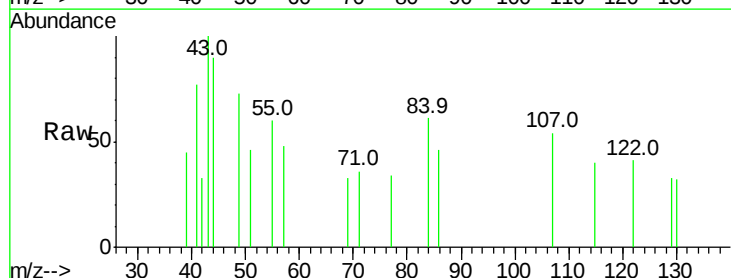
Tgt Ion:122 Resp: 254

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

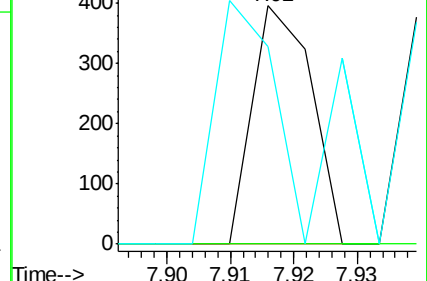
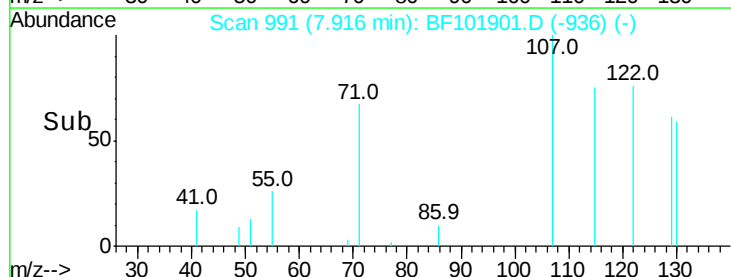
77 83.1 70.7 110.7

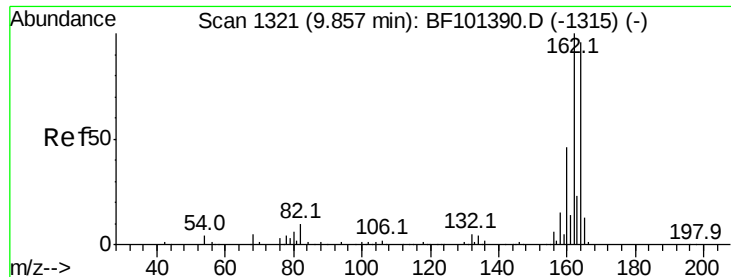


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Instrument :

BNA_F

ClientSampleId :

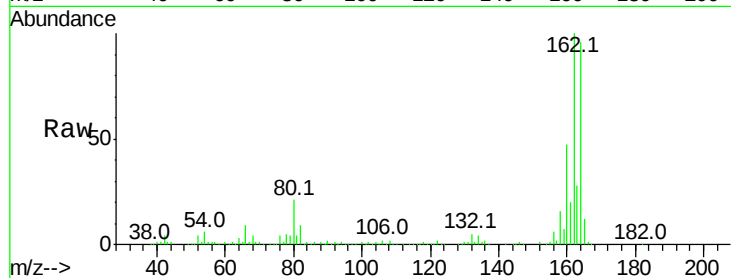
Tot Ion:164 Resp: 199953

Ion Ratio Lower Upper

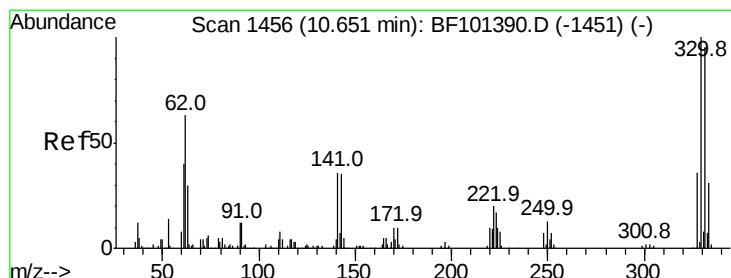
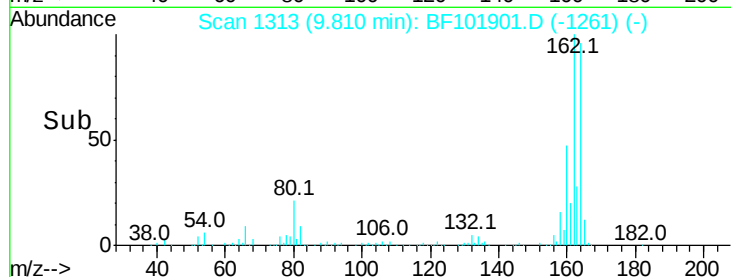
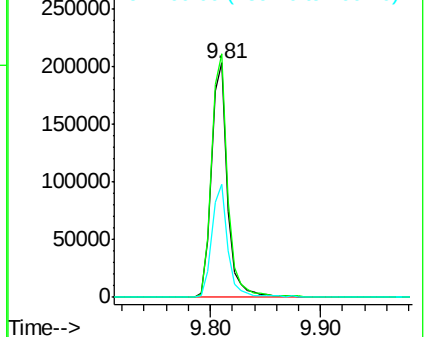
164 100

162 103.8 86.1 129.1

160 48.3 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: 16.334 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

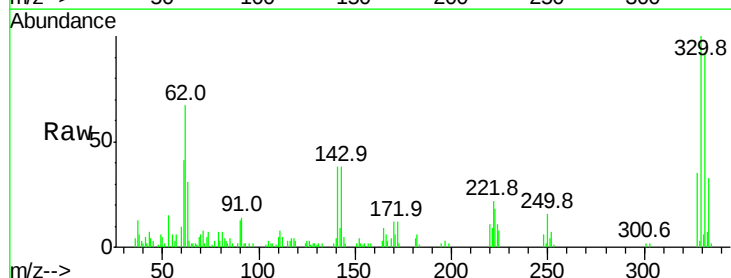
Tgt Ion:330 Resp: 31471

Ion Ratio Lower Upper

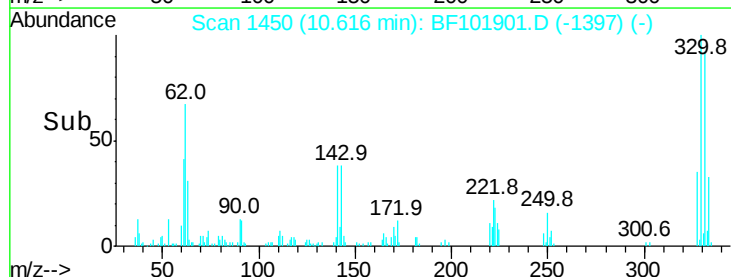
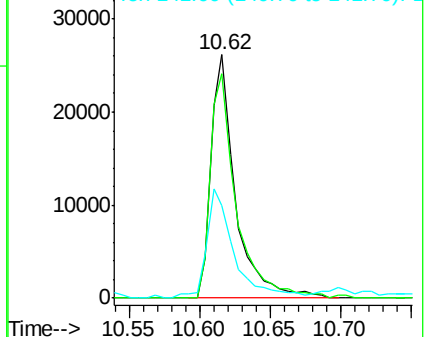
330 100

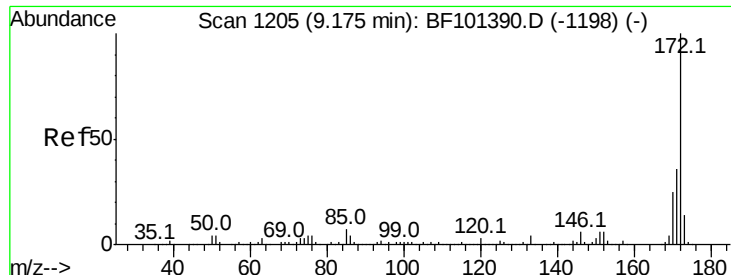
332 97.4 77.0 115.6

141 50.3 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

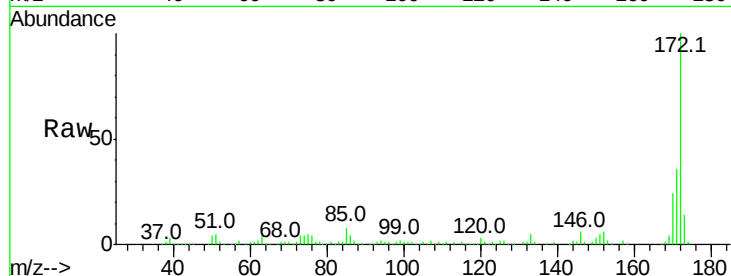




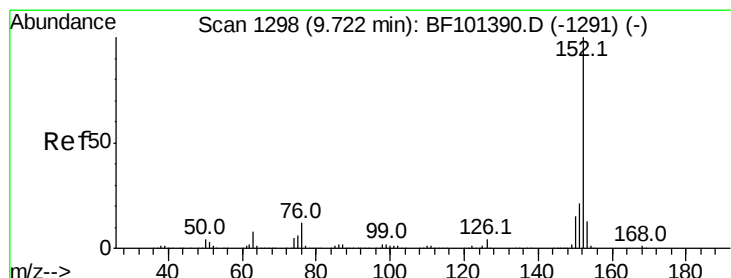
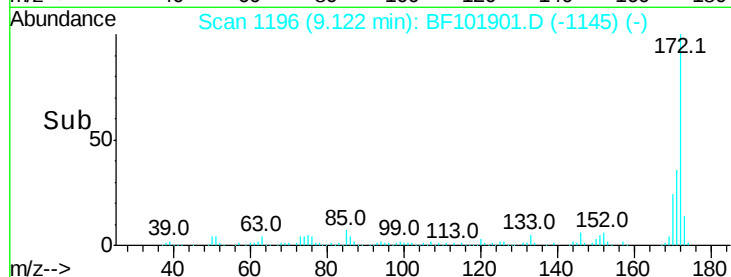
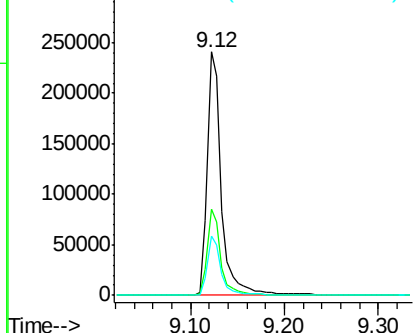
#44
2-Fluorobiphenyl
Concen: 19.900 ng
RT: 9.12 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 256502
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 24.5 19.6 29.4

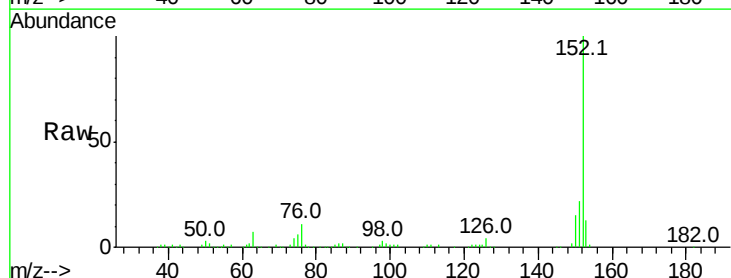


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

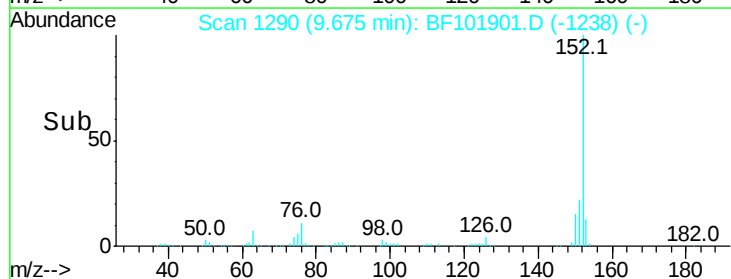
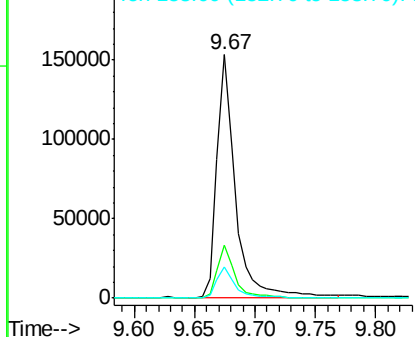


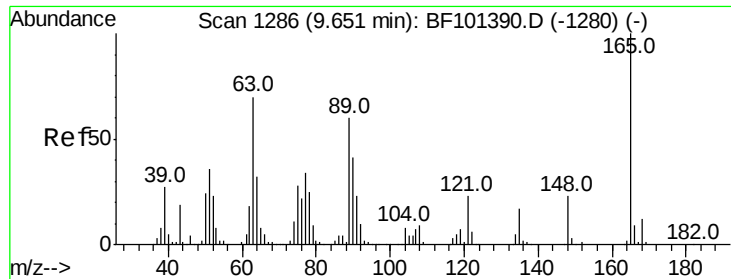
#48
Acenaphthylene
Concen: 7.524 ng
RT: 9.67 min Scan# 1290
Delta R.T. 0.01 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion:152 Resp: 161238
Ion Ratio Lower Upper
152 100
151 21.6 16.3 24.5
153 12.8 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

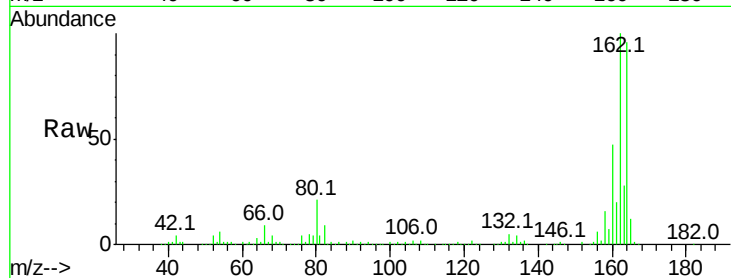




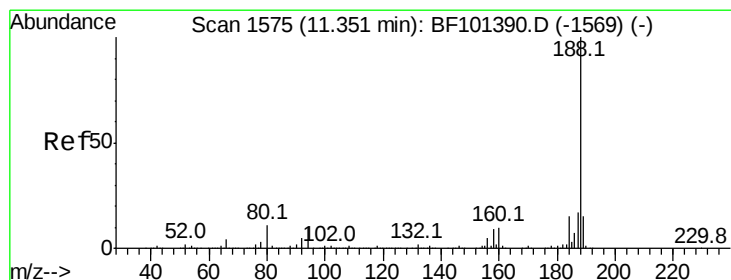
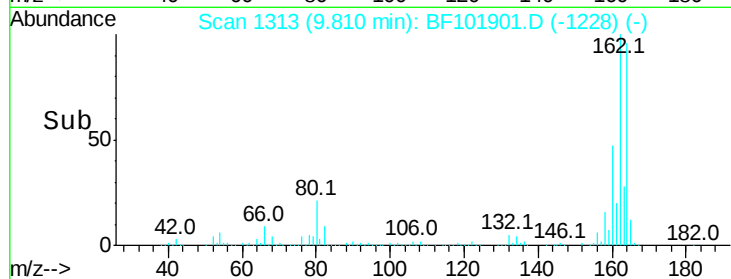
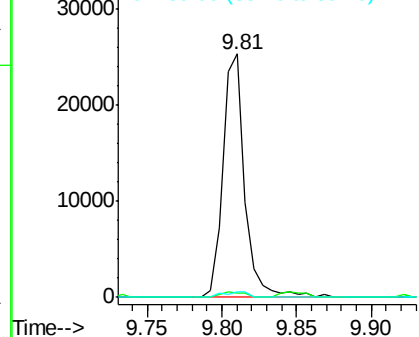
#50
 2,6-Dinitrotoluene
 Concen: 7.988 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.20 min
 Lab File: BF101901.D
 Acq: 4 Jan 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 26113
 Ion Ratio Lower Upper
 165 100
 63 1.6 44.7 67.1#
 89 2.3 44.0 66.0#

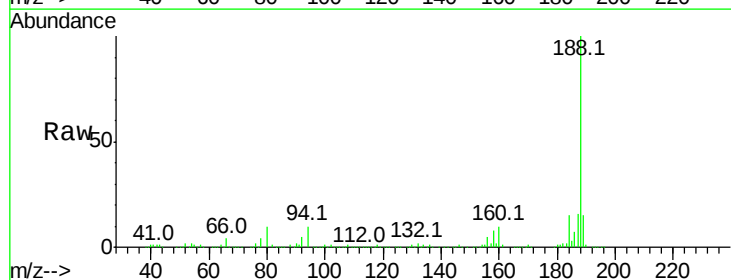


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

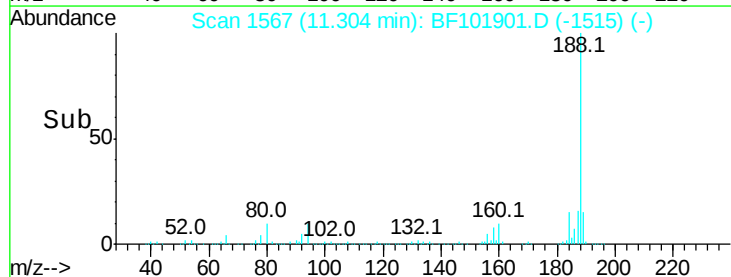
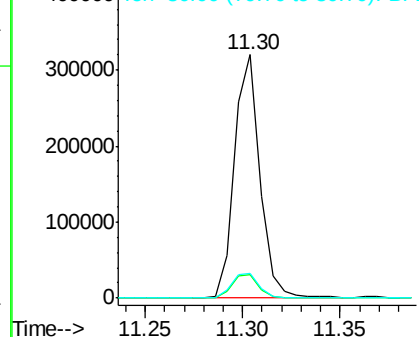


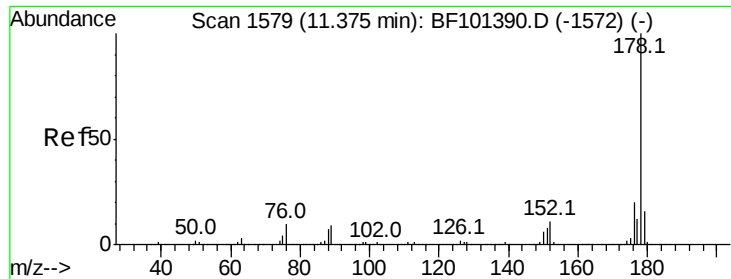
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: BF101901.D
 Acq: 4 Jan 2018 19:55

Tgt Ion:188 Resp: 289945
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.3 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

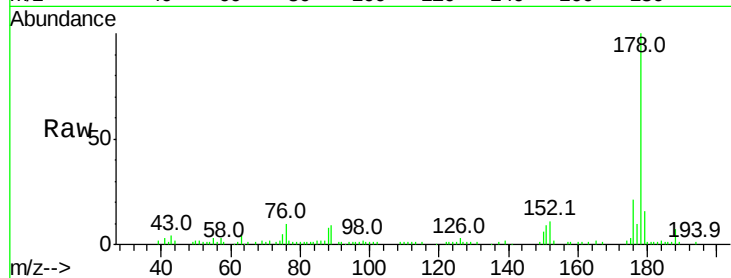




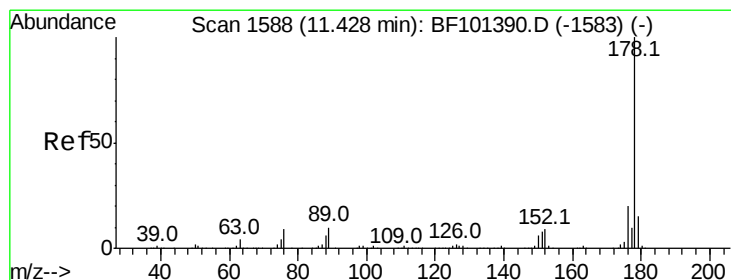
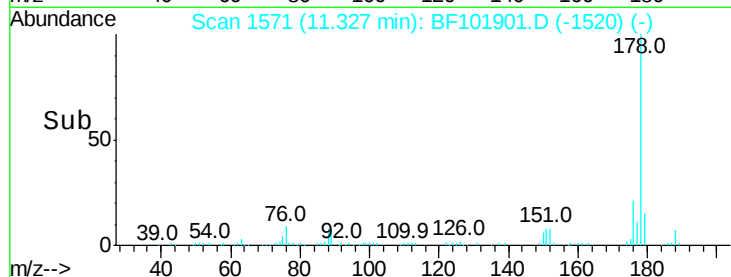
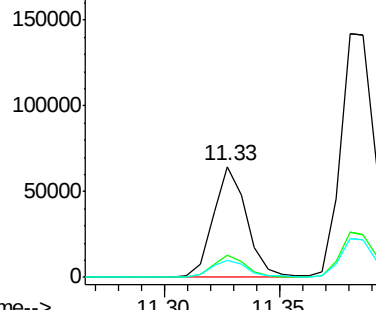
#70
Phenanthrene
Concen: 4.051 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 65315
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 15.8 13.0 19.6

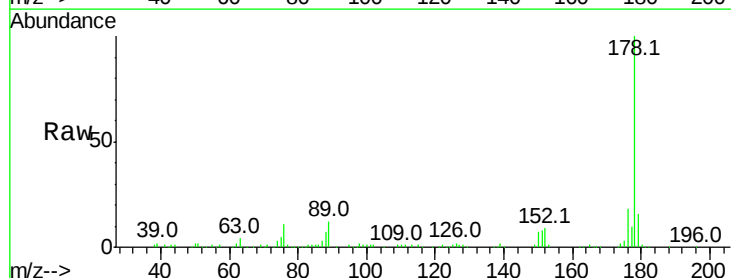


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

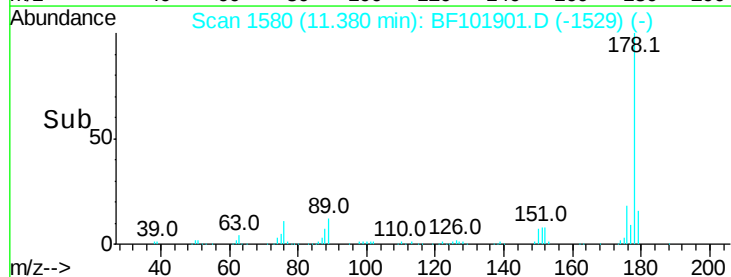
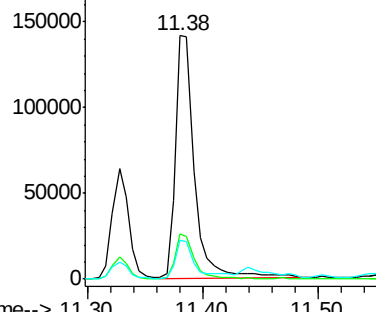


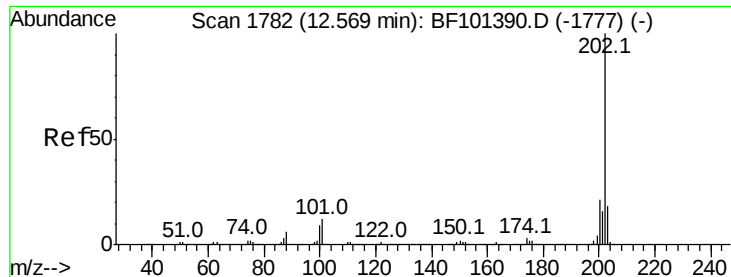
#71
Anthracene
Concen: 9.968 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion:178 Resp: 164179
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 16.1 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: 48.174 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Instrument :

BNA_F

ClientSampled :

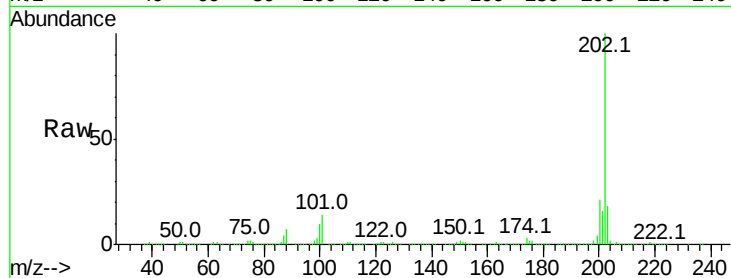
Tot Ion:202 Resp: 815332

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

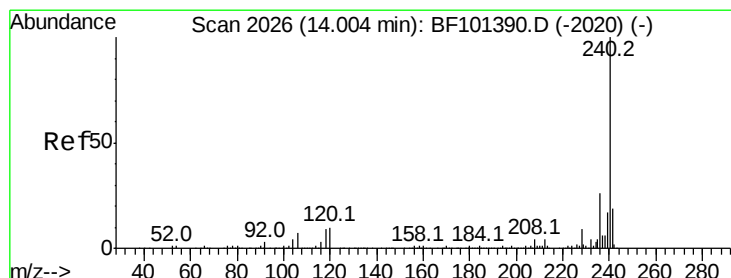
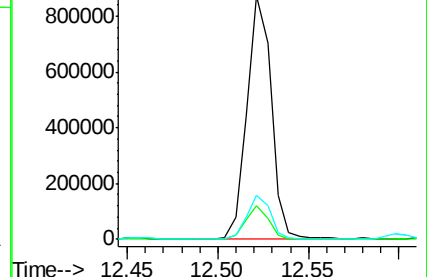
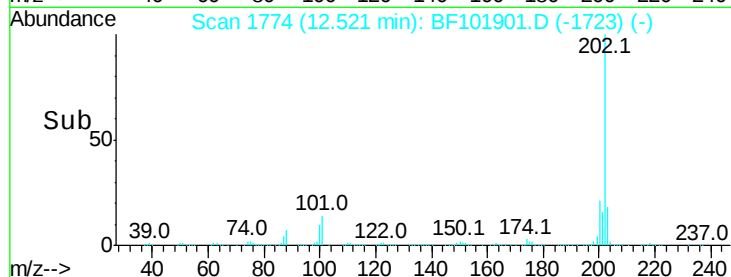
203 18.0 0.0 38.1



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: BF101901.D

Acq: 4 Jan 2018 19:55

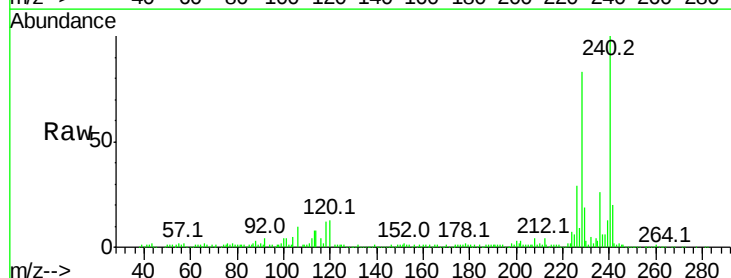
Tgt Ion:240 Resp: 245105

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

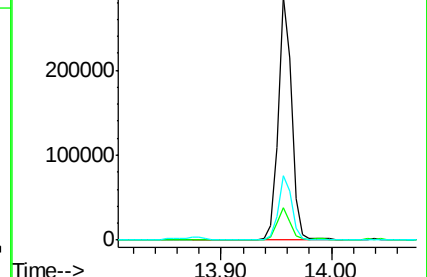
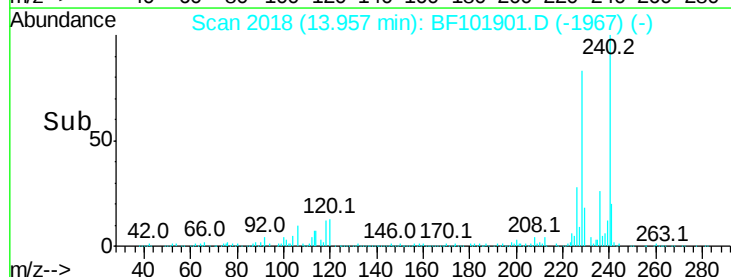
236 26.3 20.7 31.1

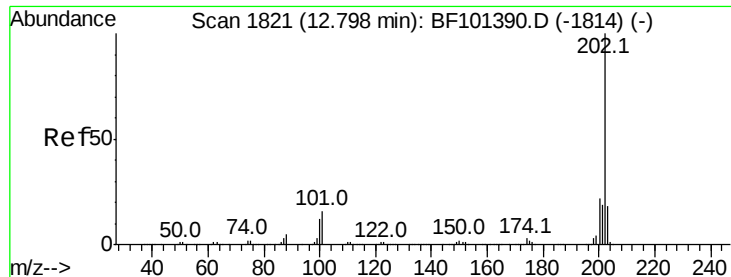


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

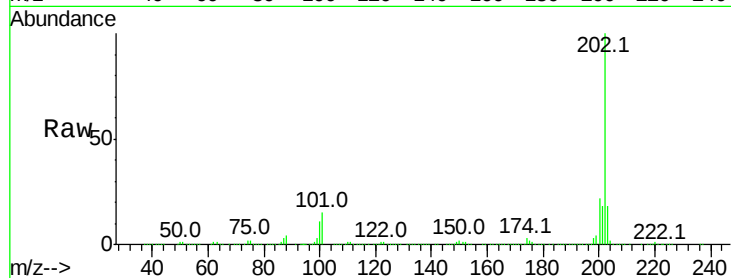




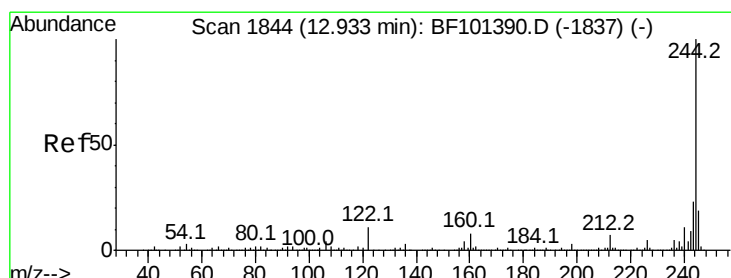
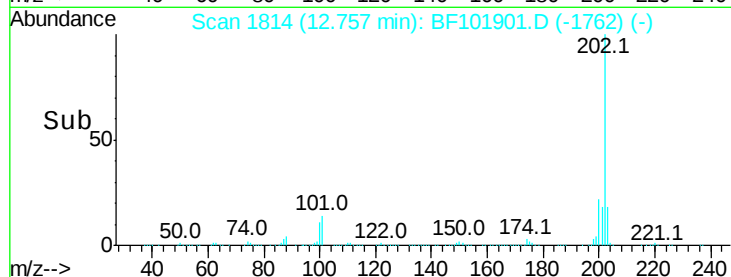
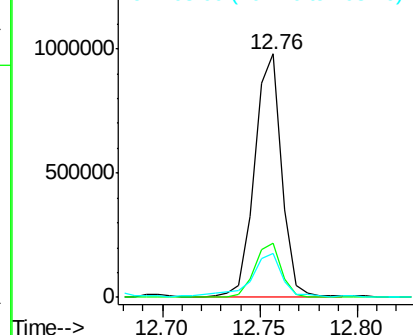
#77
Pvrene
Concen: 50.802 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 934515
Ion Ratio Lower Upper
202 100
200 22.4 17.4 26.2
203 18.2 14.3 21.5

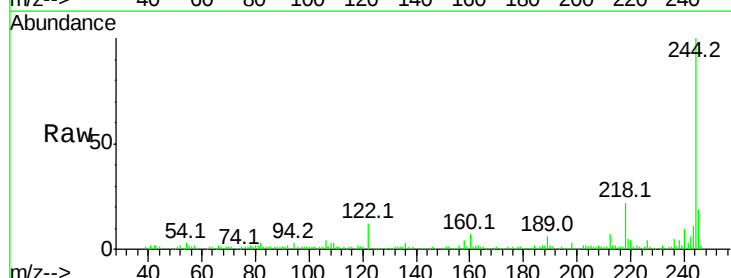


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

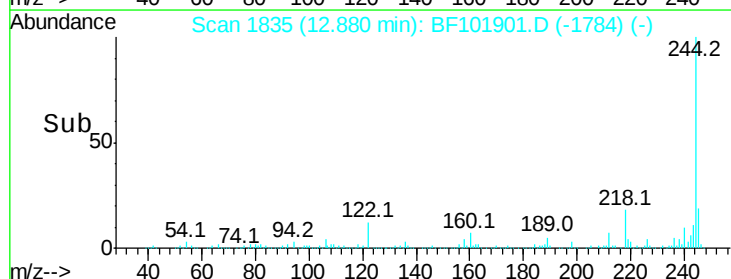
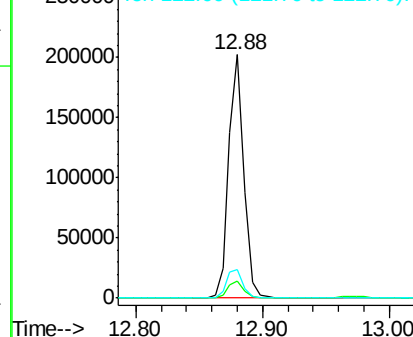


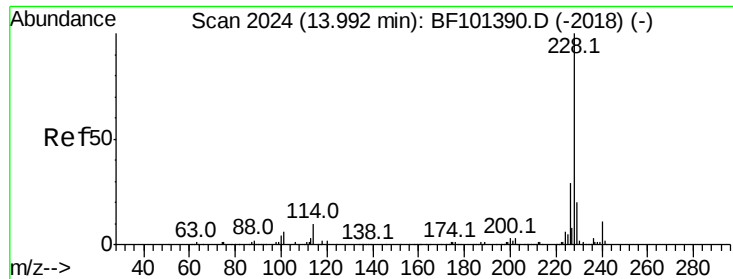
#78
Terphenyl-d14
Concen: 16.501 ng
RT: 12.88 min Scan# 1835
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion:244 Resp: 167765
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 11.9 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

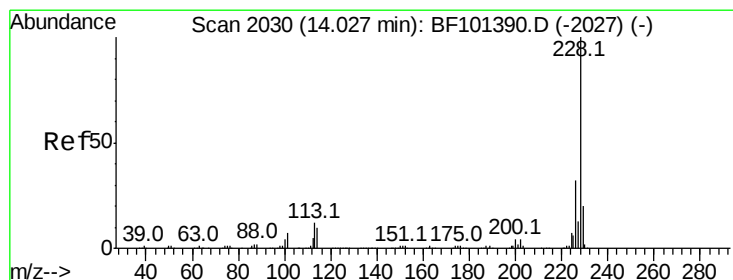
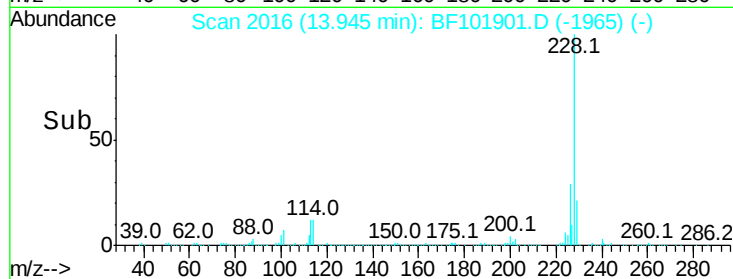
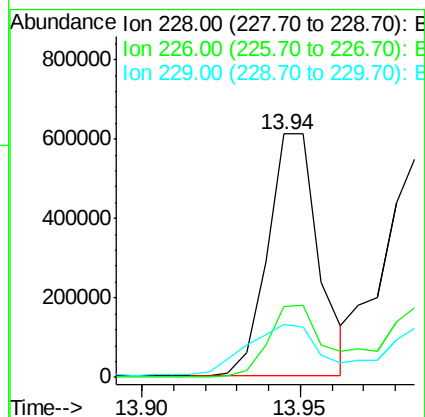
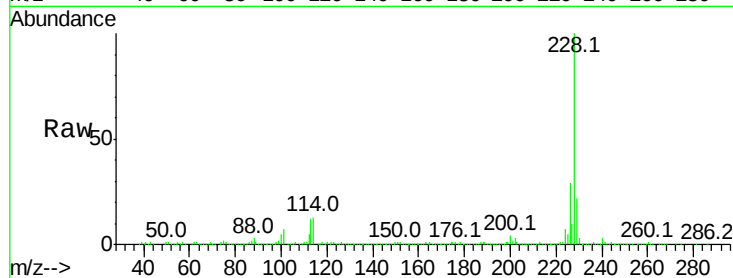




#80
Benzo(a)anthracene
Concen: 42.220 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

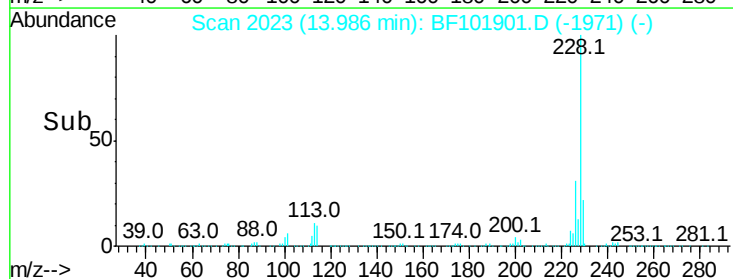
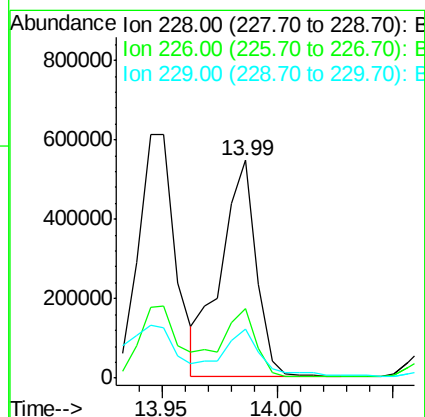
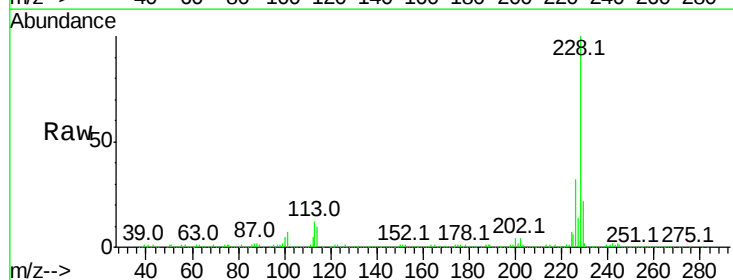
Instrument :
BNA_F
ClientSampleId :

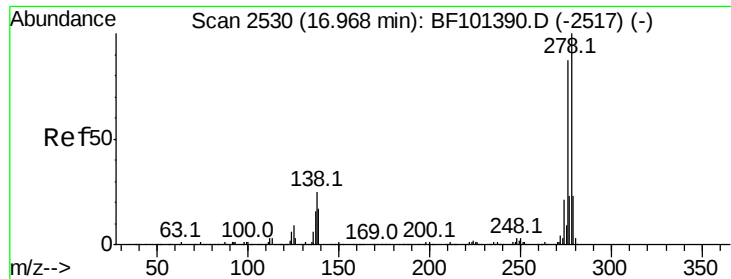
Tot Ion:228 Resp: 683310
Ion Ratio Lower Upper
228 100
226 29.0 22.6 33.8
229 21.8 15.8 23.6



#82
Chrysene
Concen: 37.879 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion:228 Resp: 578833
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 22.4 16.2 24.4

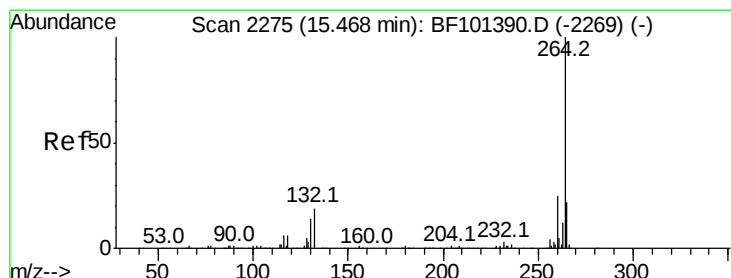
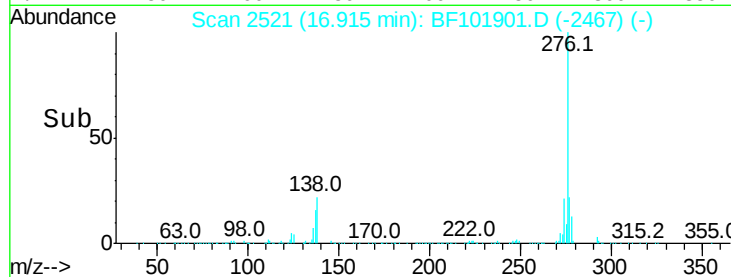
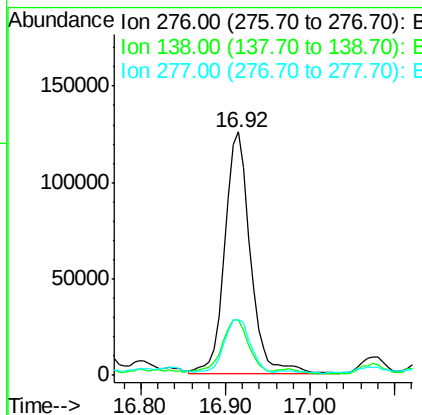
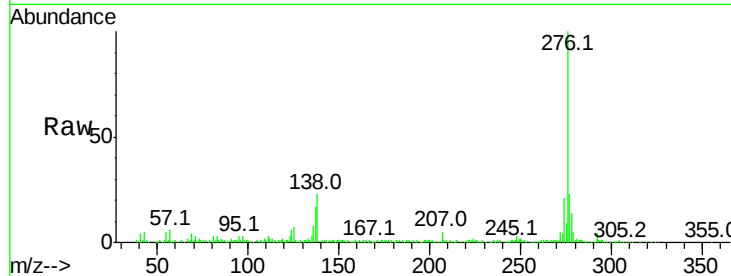




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.121 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. 0.02 min
 Lab File: BF101901.D
 Acq: 4 Jan 2018 19:55

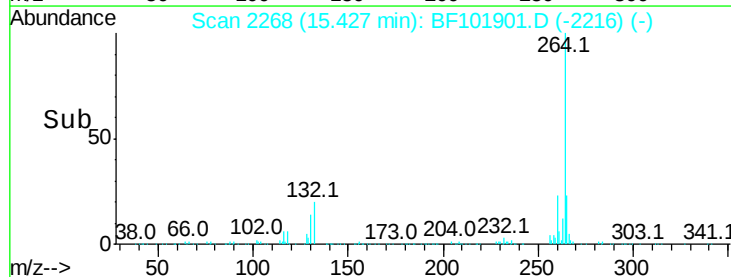
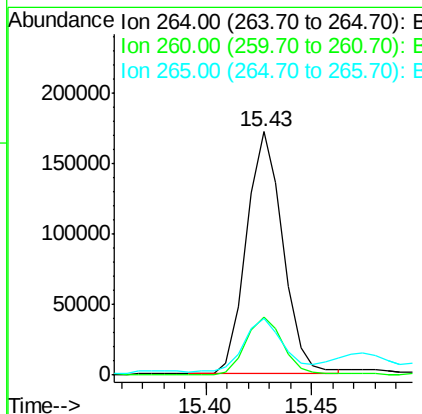
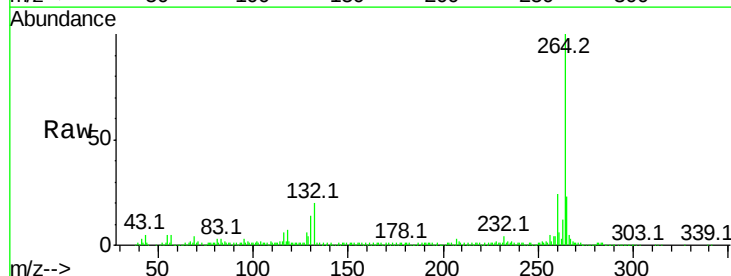
Instrument :
 BNA_F
 ClientSampleId :

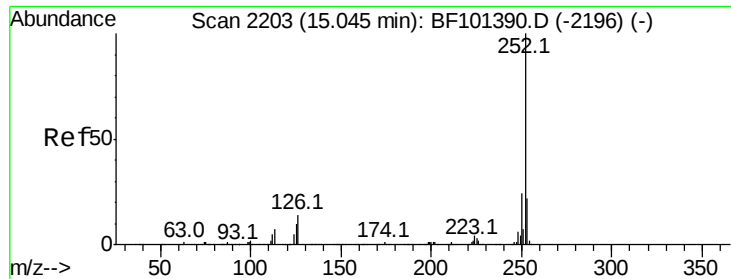
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	25.0	37.6#
277	22.3	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF101901.D
 Acq: 4 Jan 2018 19:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.2	17.5	26.3

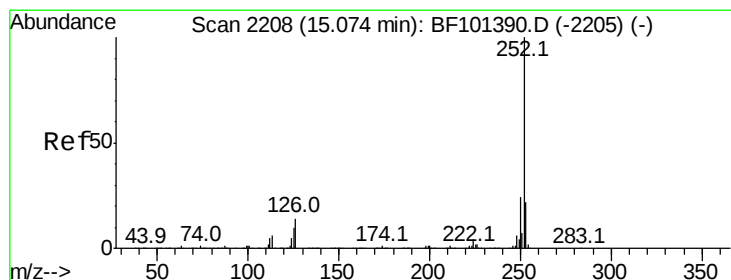
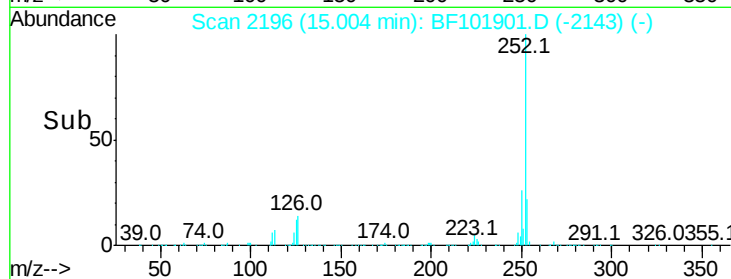
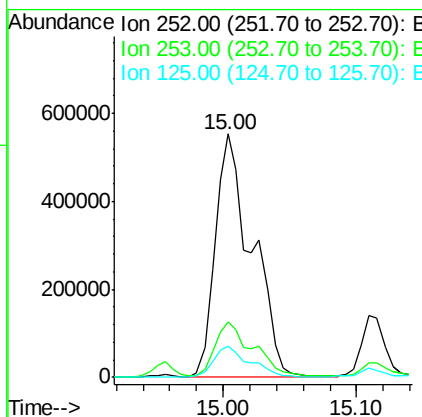
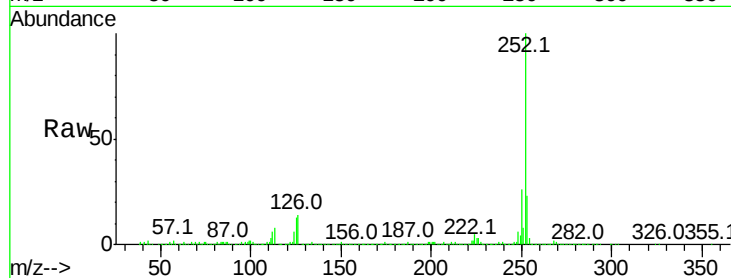




#87
Benzo(b)fluoranthene
Concen: 84.293 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

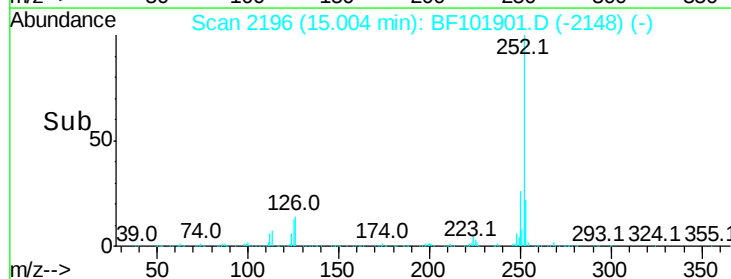
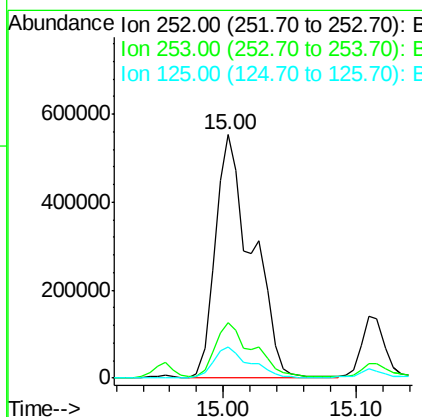
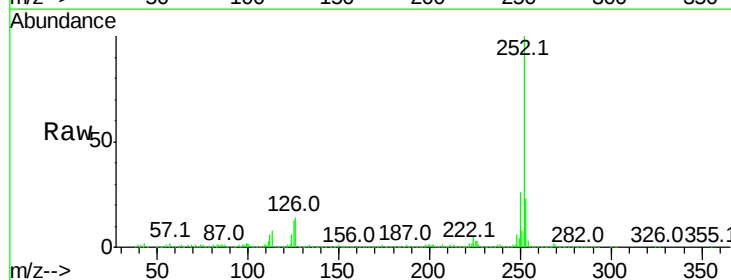
Instrument :
BNA_F
ClientSampleId :

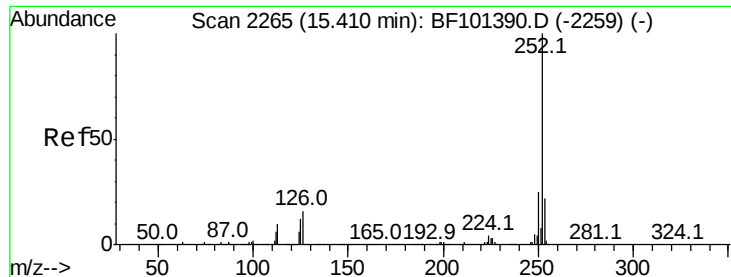
Tot Ion:252 Resp: 1050863
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 12.8 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 86.697 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion:252 Resp: 1050863
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 12.8 10.2 15.2

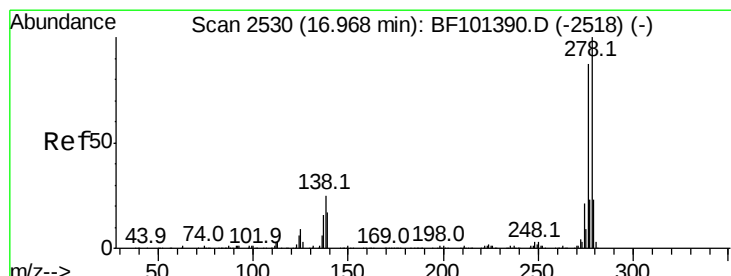
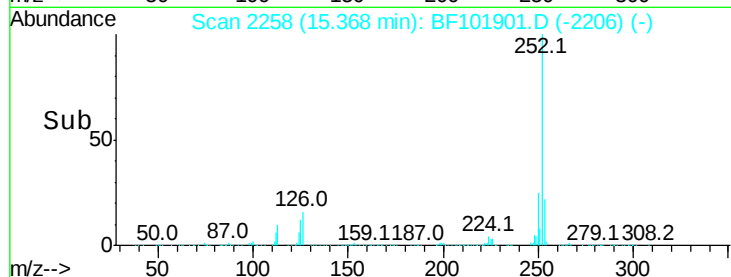
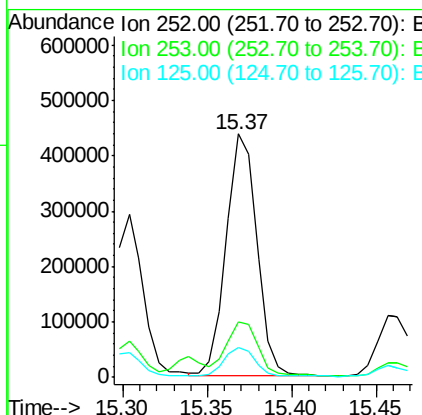
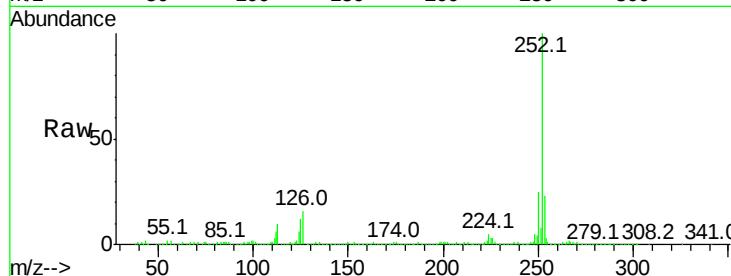




#89
Benzo(a)pyrene
Concen: 48.431 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

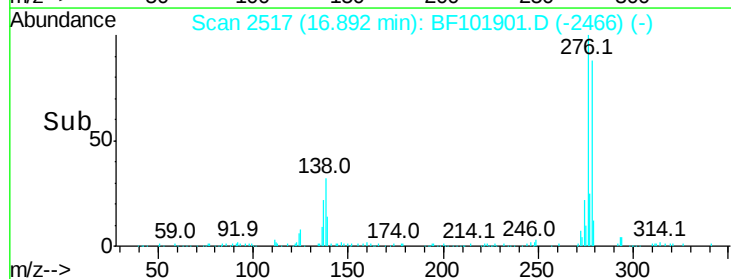
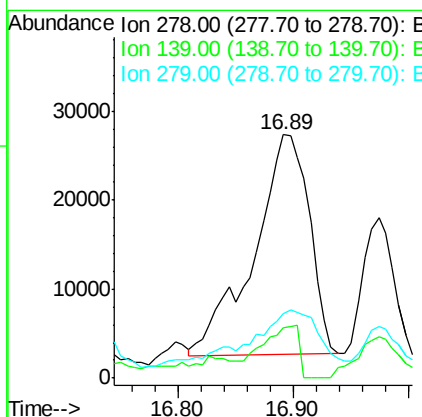
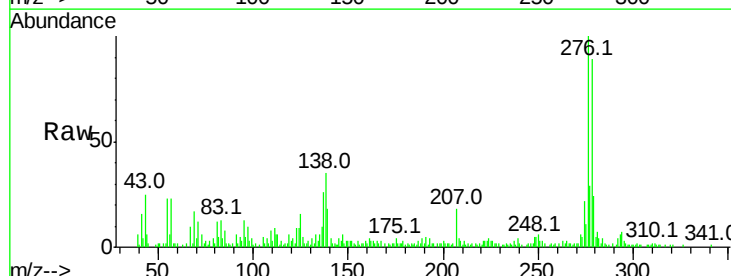
Instrument :
BNA_F
ClientSampleId :

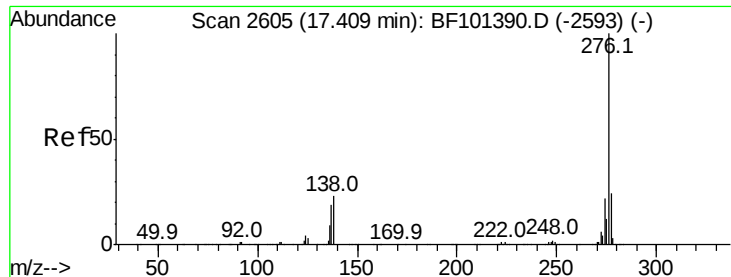
Tot Ion:252 Resp: 556596
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 12.1 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 8.346 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion:278 Resp: 82350
Ion Ratio Lower Upper
278 100
139 20.6 15.9 23.9
279 26.4 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 22.276 ng

RT: 17.36 min Scan# 2597

Delta R.T. 0.02 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Instrument :

BNA_F

ClientSampleId :

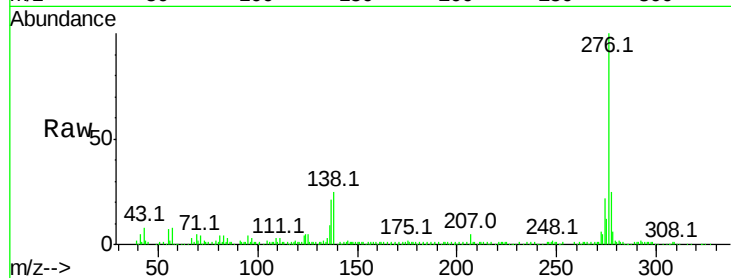
Tot Ion:276 Resp: 217651

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 24.6 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

