

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101780.D
 Acq On : 27 Dec 2017 23:16
 Operator : SJ/JU
 Sample : I7064-07 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 04:11:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	155331	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	588623	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	233788	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	369054	20.00	ng	0.00
75) Chrysene-d12	13.97	240	296948	20.00	ng	0.00
86) Perylene-d12	15.44	264	264030	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	586056	56.20	ng	0.01
7) Phenol-d6	6.43	99	701836	54.08	ng	0.00
23) Nitrobenzene-d5	7.36	82	414073	39.16	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	116883	51.89	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	696572	46.22	ng	0.00
78) Terphenyl-d14	12.90	244	474332	38.51	ng	0.00

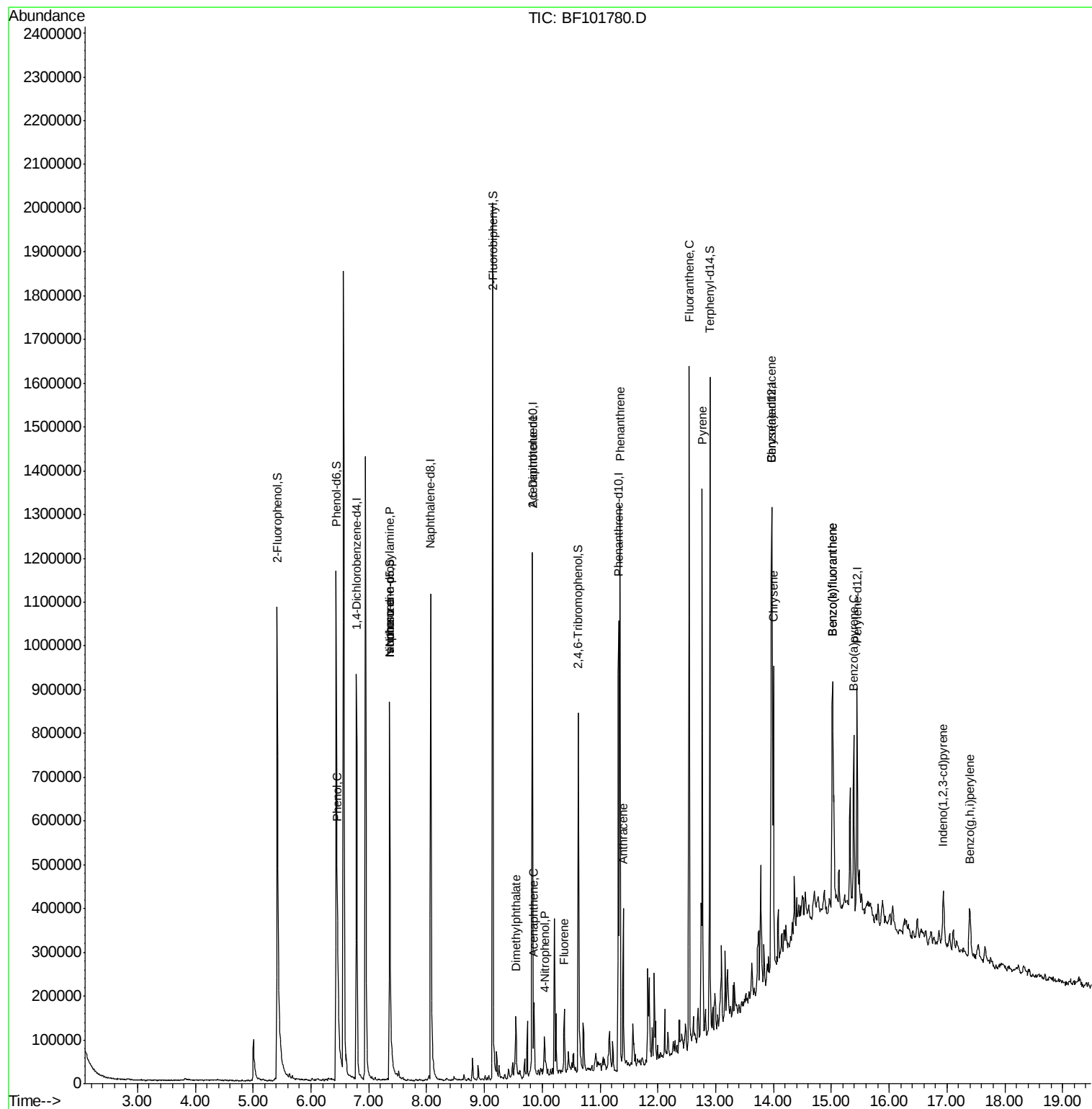
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	33224	2.246	ng	# 66
19) n-Nitroso-di-n-propylamine	7.36	70	54208	6.360	ng	# 83
25) Isophorone	7.36	82	414073	19.520	ng	# 64
49) Dimethylphthalate	9.55	163	62454	3.321	ng	99
50) 2,6-Dinitrotoluene	9.83	165	30506	7.982	ng	# 26
51) Acenaphthene	9.86	154	33716	2.240	ng	99
55) 4-Nitrophenol	10.04	139	13621	6.556	ng	# 10
57) Fluorene	10.38	166	43462	2.685	ng	98
70) Phenanthrene	11.35	178	475969	23.191	ng	98
71) Anthracene	11.40	178	148237	7.071	ng	98
74) Fluoranthene	12.54	202	599473	27.827	ng	99
77) Pvrene	12.77	202	516316	23.168	ng	99
80) Benzo(a)anthracene	13.96	228	298687	15.233	ng	98
82) Chrysene	14.00	228	258357	13.955	ng	99
85) Indeno(1,2,3-cd)pyrene	16.94	276	98783	5.992	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	381507	23.706	ng	96
88) Benzo(k)fluoranthene	15.02	252	381507	24.382	ng	99
89) Benzo(a)pyrene	15.39	252	189335	12.762	ng	93
91) Benzo(a,h,i)perylene	17.39	276	90966	7.212	ng	94

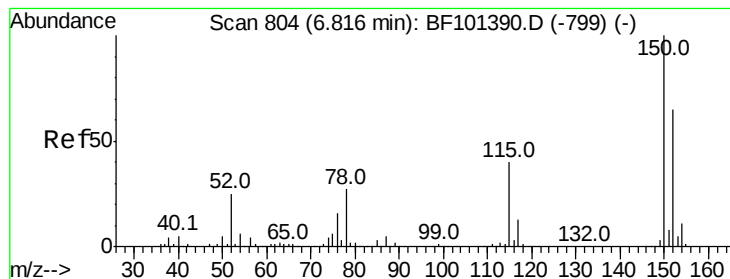
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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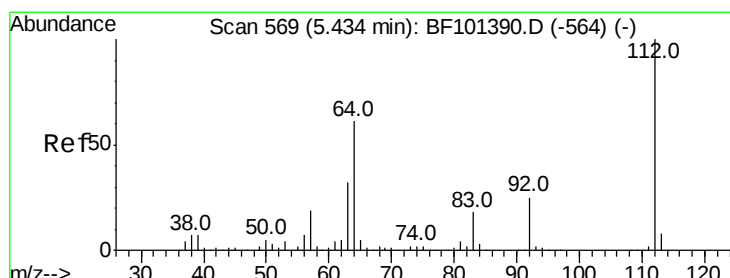
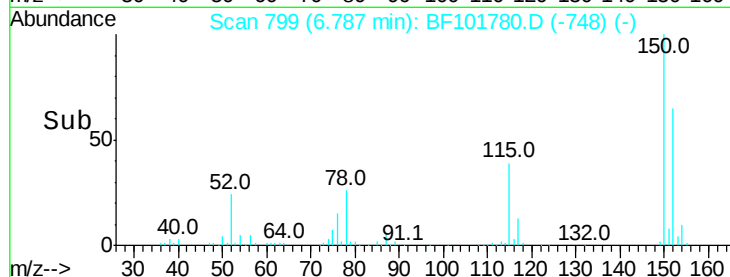
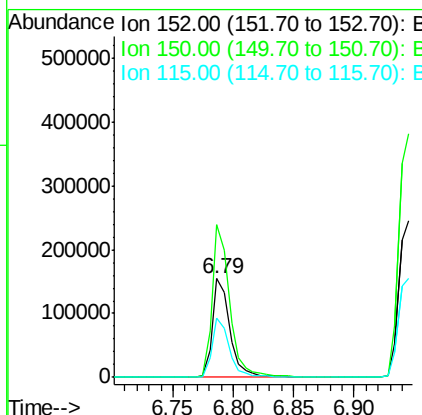
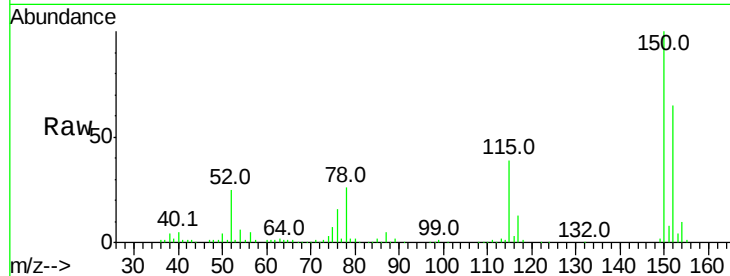


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Instrument :
BNA_F
ClientSampled :

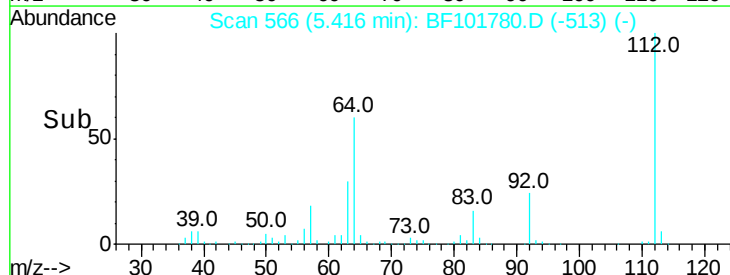
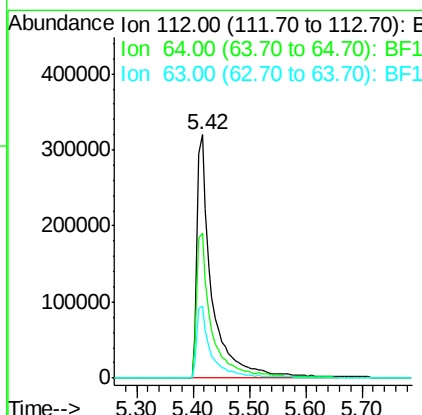
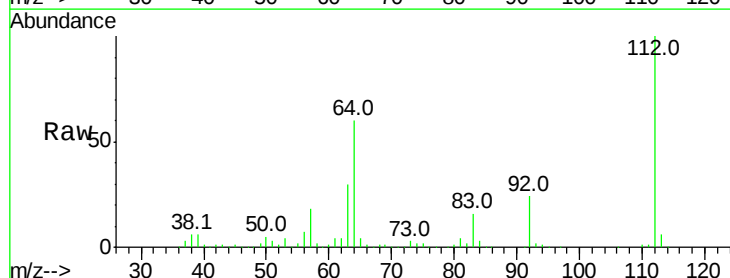
Tot Ion:152 Resp: 155331
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 60.2 50.1 75.1

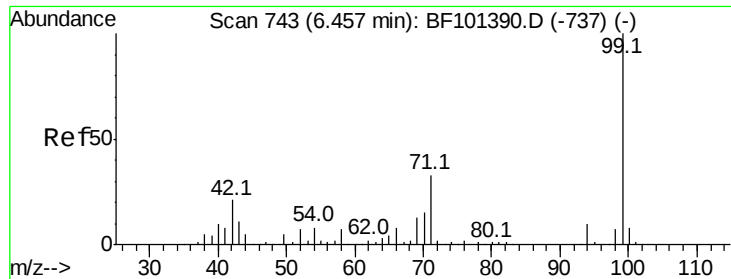


#5

2-Fluorophenol
Concen: 56.201 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion:112 Resp: 586056
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 29.7 23.7 35.5





#7

Phenol-d6

Concen: 54.080 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

Instrument :

BNA_F

ClientSampleId :

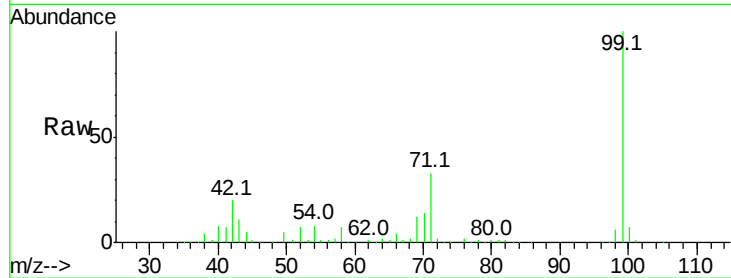
Tot Ion: 99 Resp: 701836

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

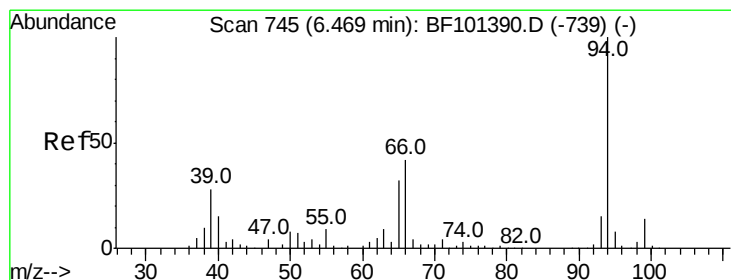
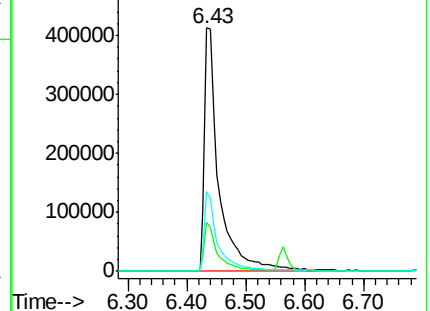
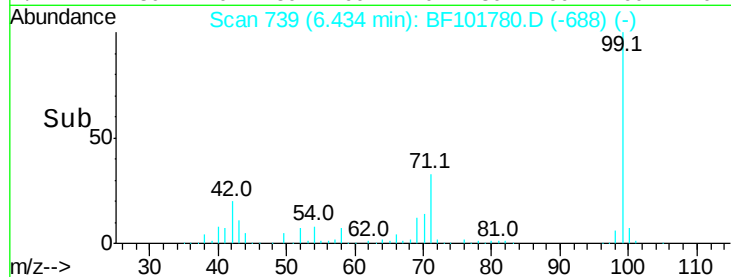
71 32.6 25.4 38.0



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: 2.246 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

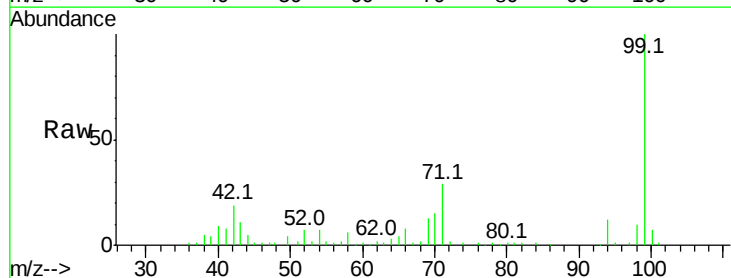
Tgt Ion: 94 Resp: 33224

Ion Ratio Lower Upper

94 100

65 34.5 7.9 47.9

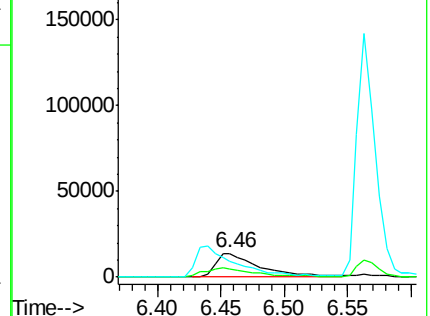
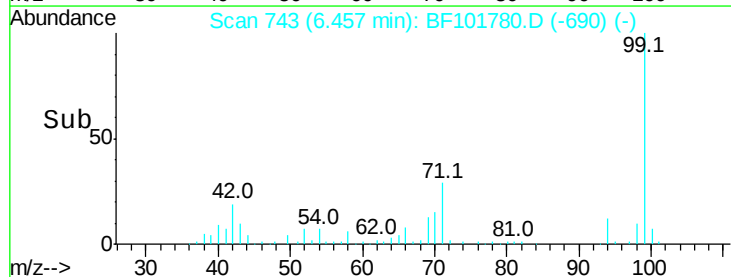
66 65.7 16.2 56.2#



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

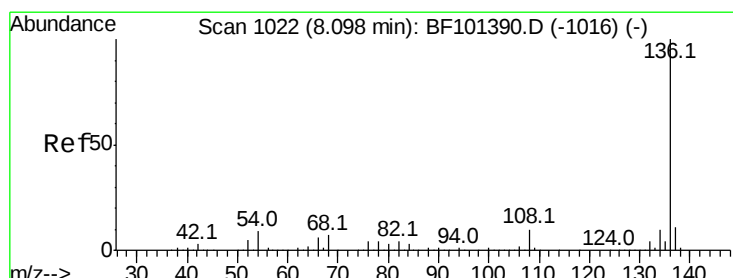
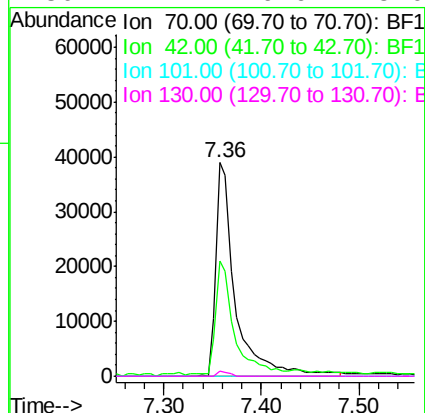
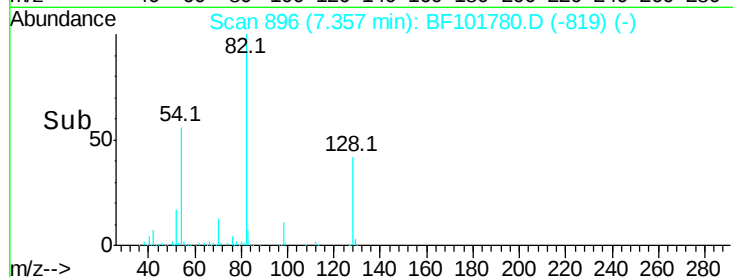
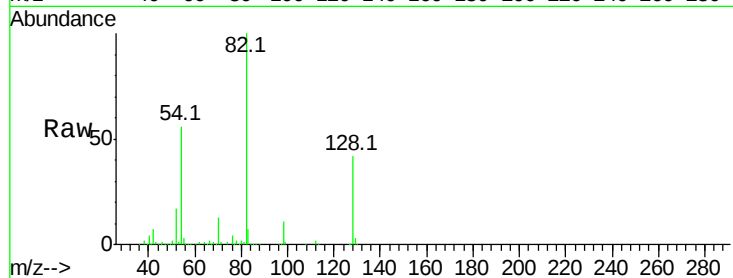




#19
n-Nitroso-di-n-propylamine
Concen: 6.360 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

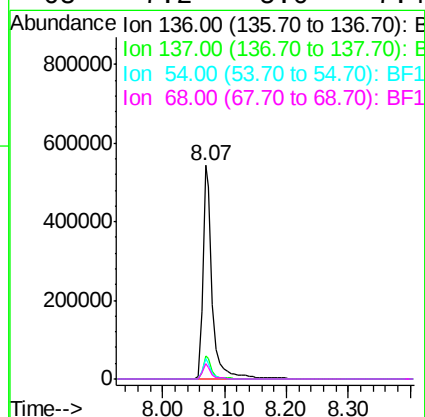
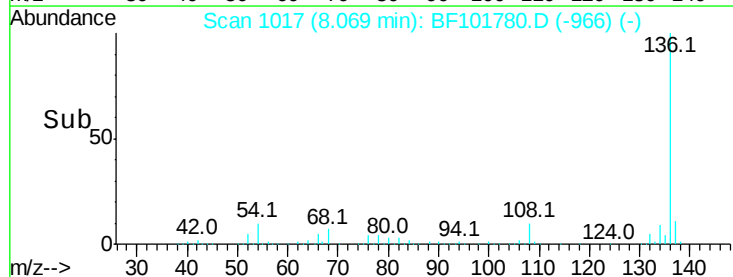
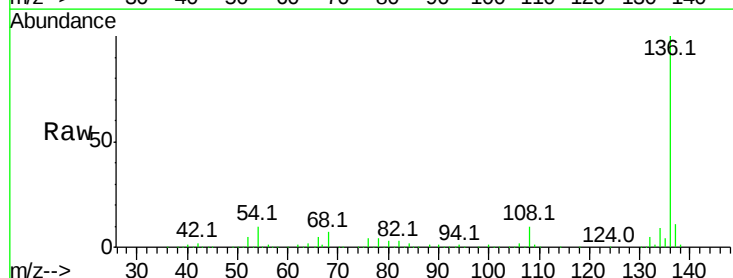
Instrument :
BNA_F
ClientSampled :

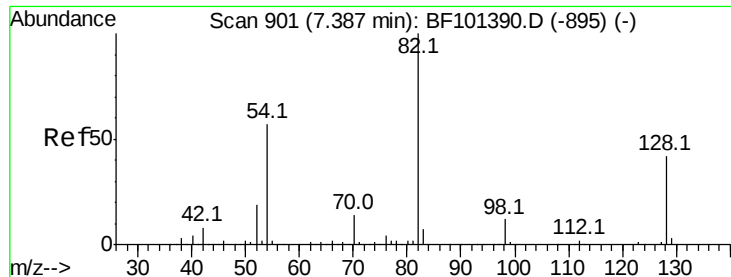
Tot Ion: 70 Resp: 54208
Ion Ratio Lower Upper
70 100
42 53.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion:136 Resp: 588623
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.6 6.6 9.8
68 7.2 5.0 7.4

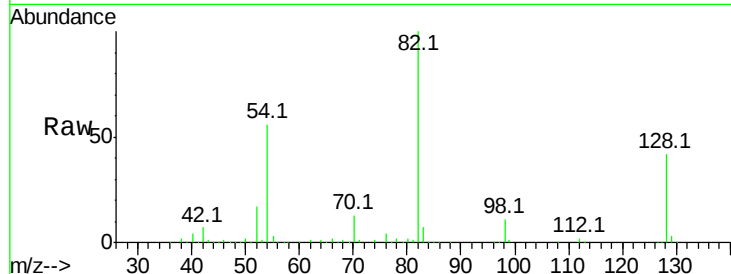




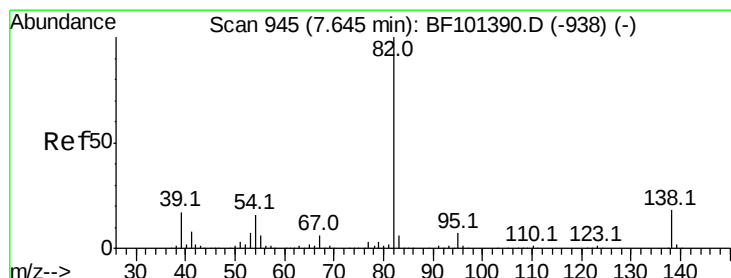
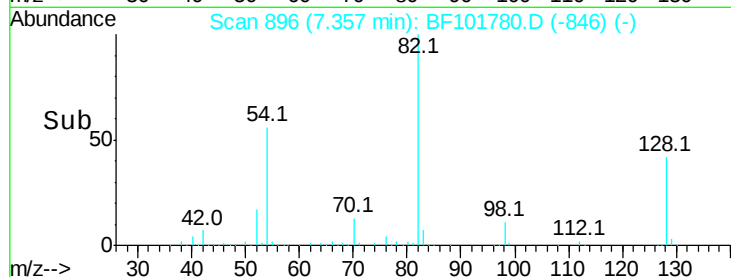
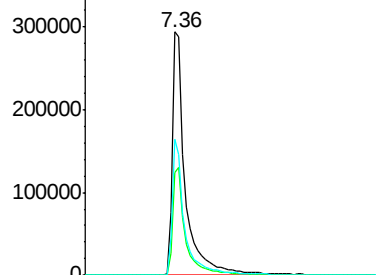
#23
Nitrobenzene-d5
Concen: 39.159 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	36.1	54.1
54	56.0	41.4	62.2

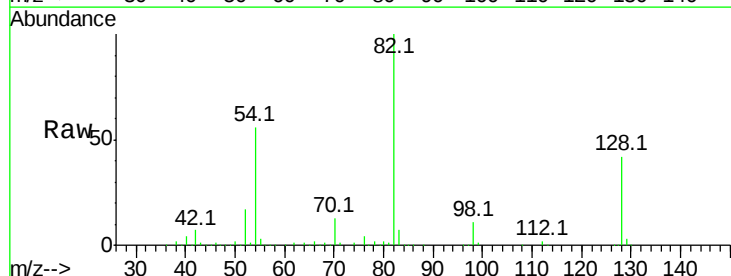


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

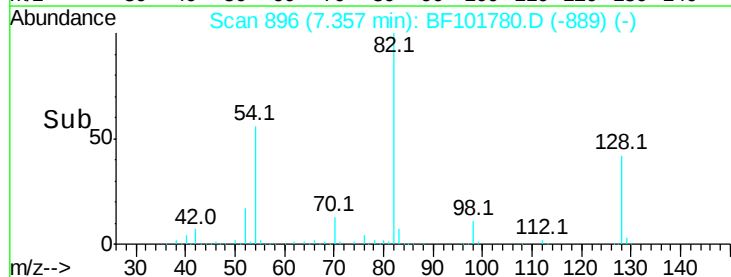
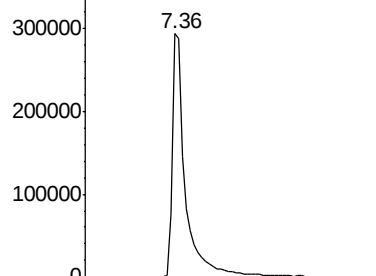


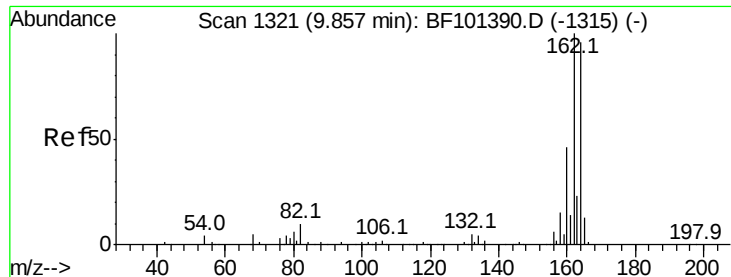
#25
Isophorone
Concen: 19.520 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt 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

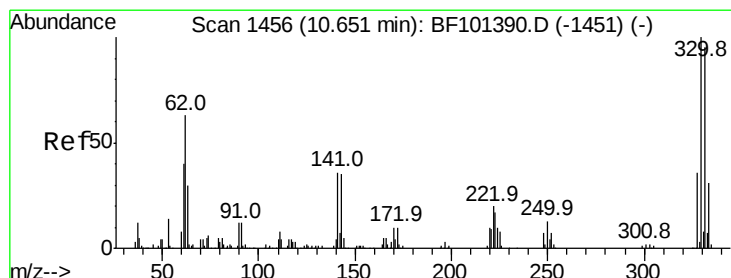
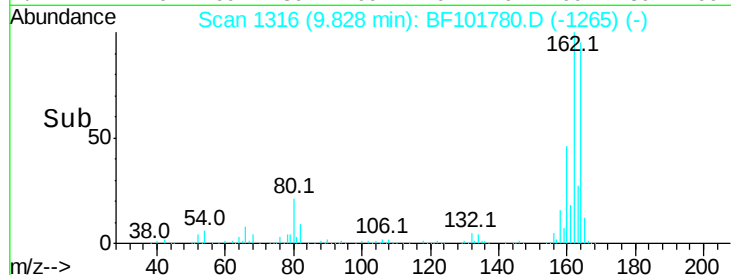
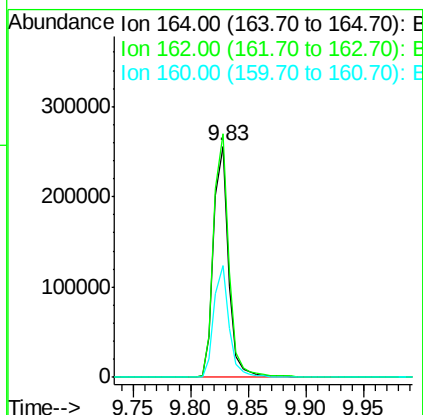
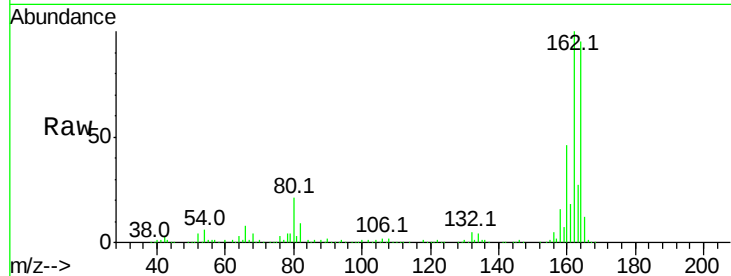




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

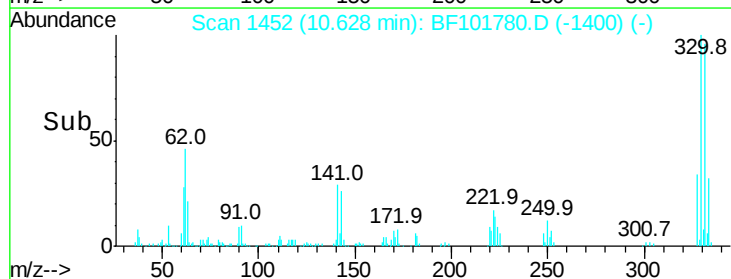
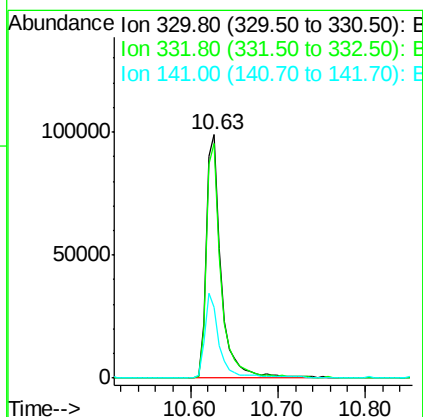
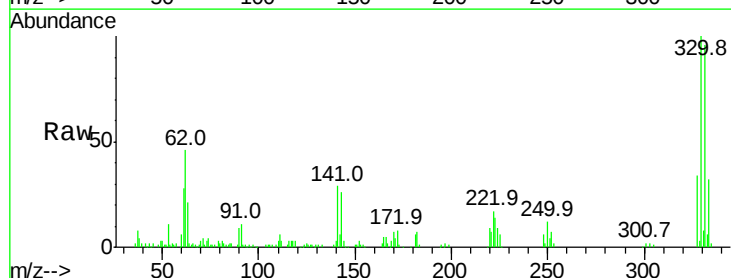
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	48.5	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 51.885 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	33.6	29.9	44.9

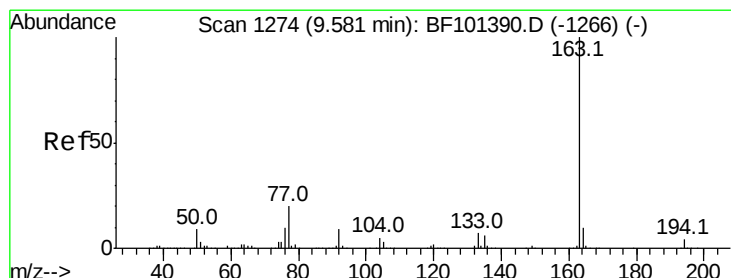
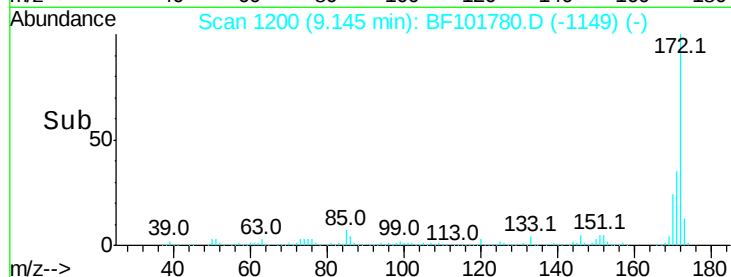
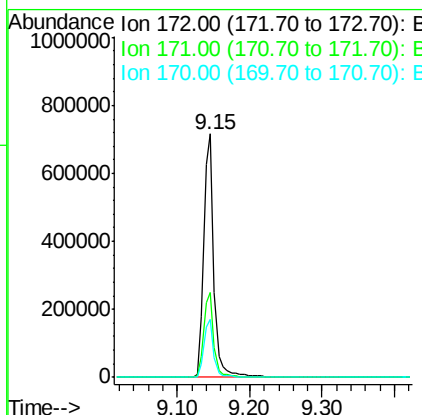
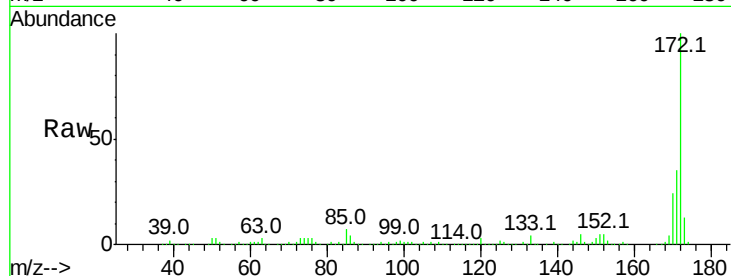




#44
 2-Fluorobiphenyl
 Concen: 46.219 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

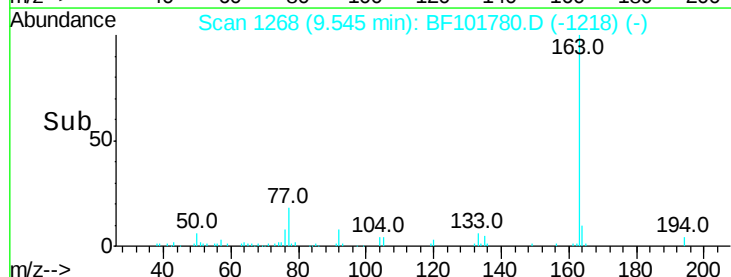
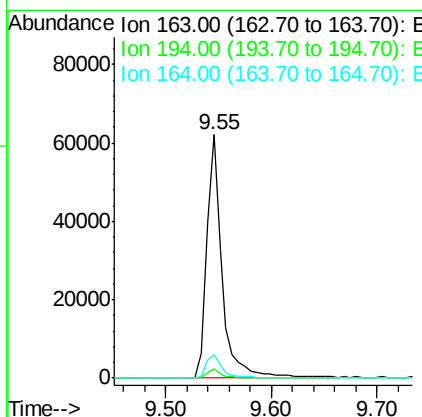
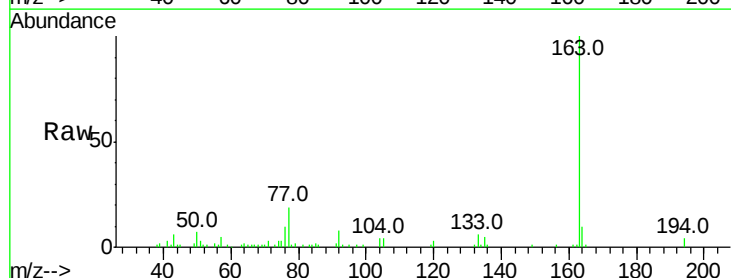
Instrument :
 BNA_F
 ClientSampleId :

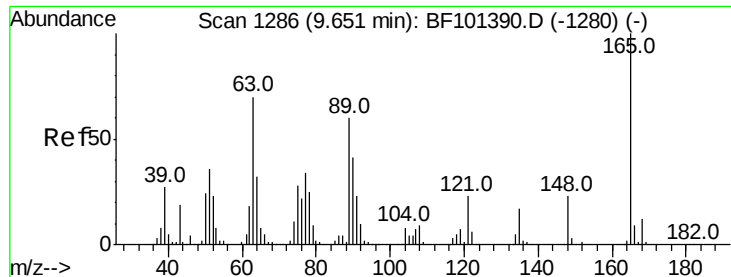
Tot Ion:172 Resp: 696572
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.7 19.6 29.4



#49
 Dimethylphthalate
 Concen: 3.321 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

Tgt Ion:163 Resp: 62454
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.7 4.1
 164 9.8 8.2 12.2

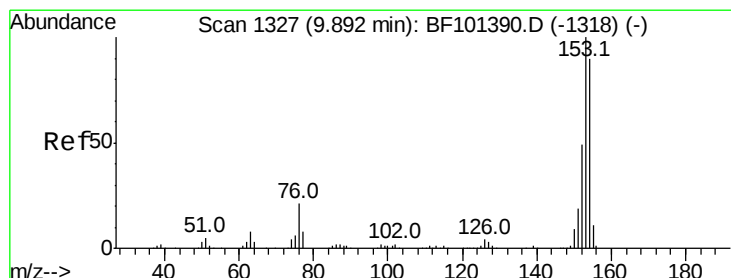
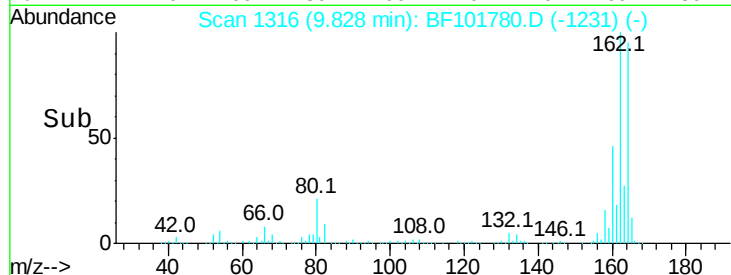
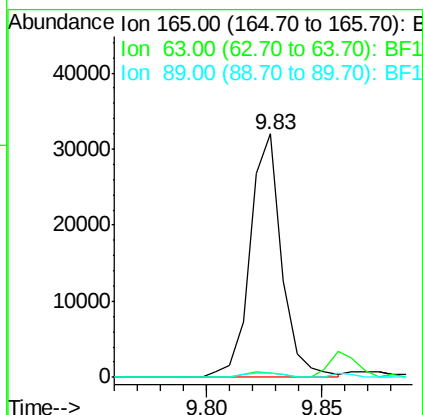
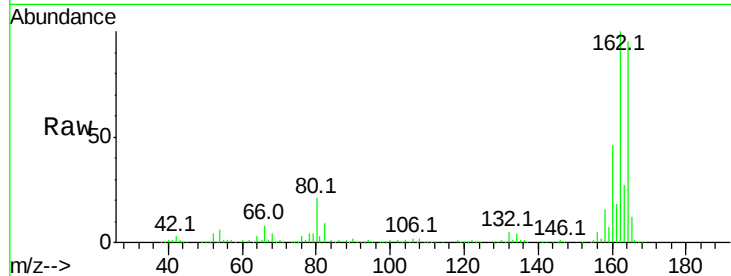




#50
2,6-Dinitrotoluene
Concen: 7.982 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.20 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

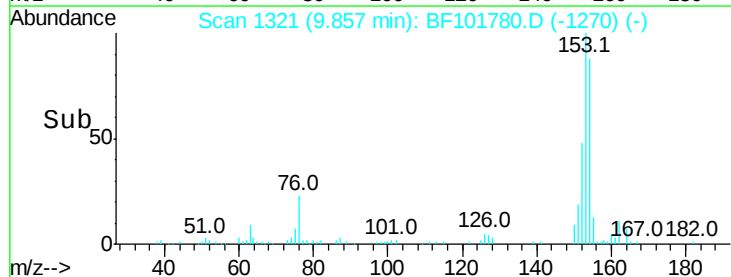
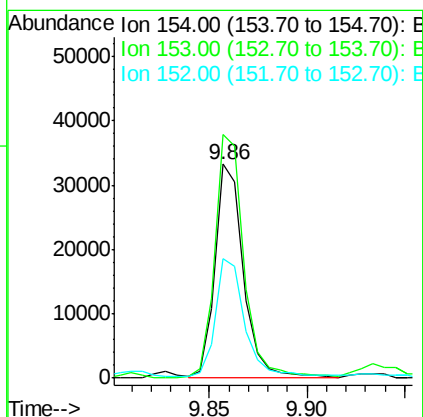
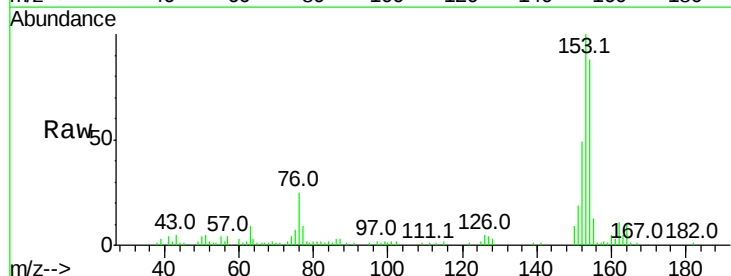
Instrument :
BNA_F
ClientSampleId :

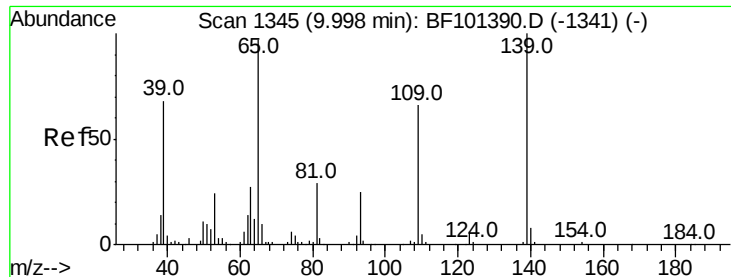
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.6	44.0	66.0#



#51
Acenaphthene
Concen: 2.240 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.2	136.8
152	55.8	43.8	65.8





#55

4-Nitrophenol

Concen: 6.556 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.05 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

Instrument :

BNA_F

ClientSampleId :

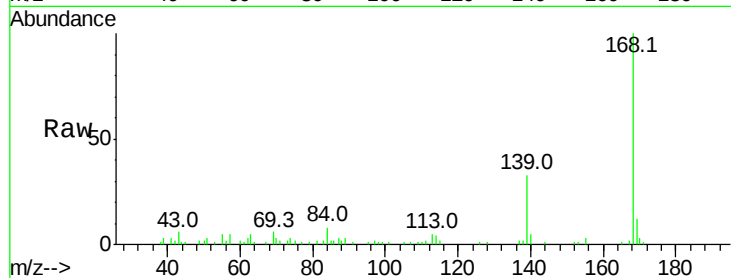
Tot Ion:139 Resp: 13621

Ion Ratio Lower Upper

139 100

109 3.2 48.4 88.4#

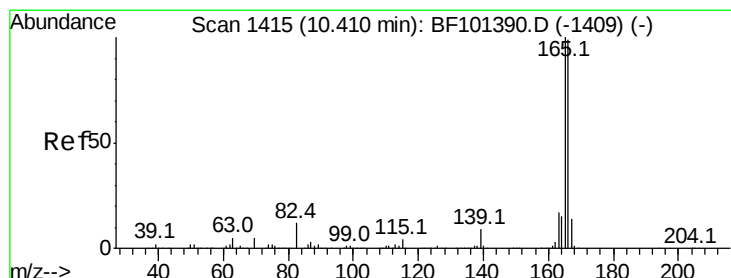
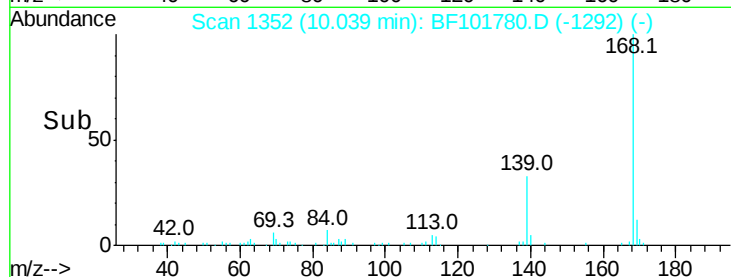
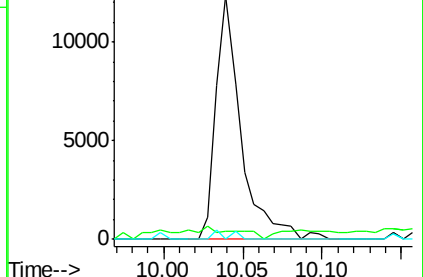
65 0.0 72.6 112.6#



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: 2.685 ng

RT: 10.38 min Scan# 1410

Delta R.T. 0.01 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

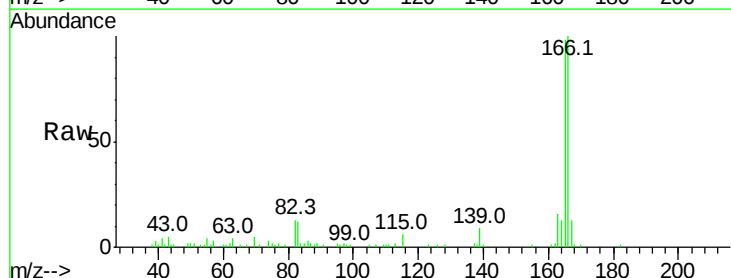
Tgt Ion:166 Resp: 43462

Ion Ratio Lower Upper

166 100

165 97.6 79.8 119.8

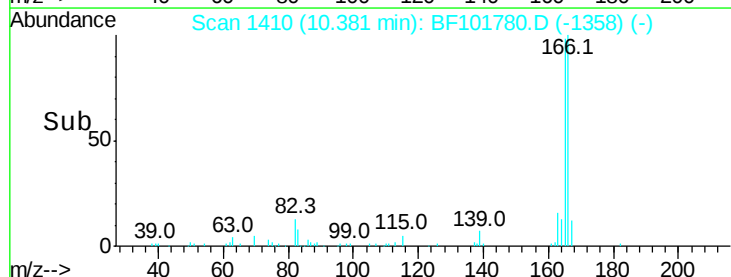
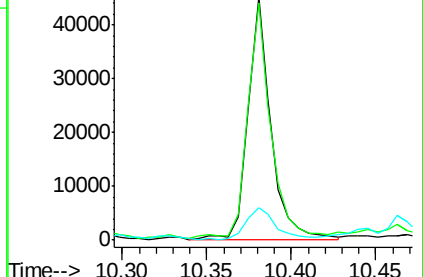
167 13.2 10.6 16.0

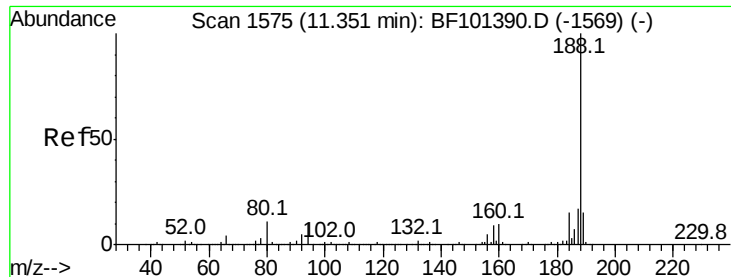


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

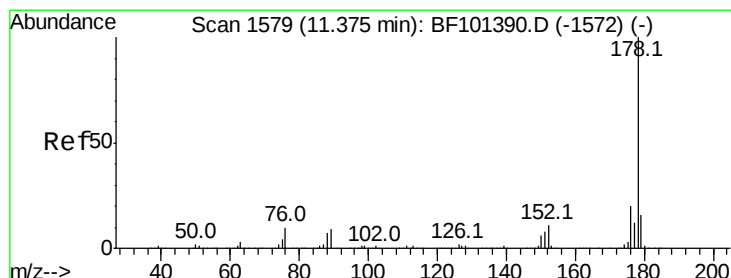
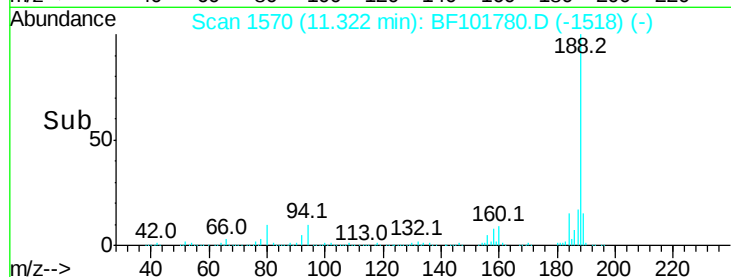
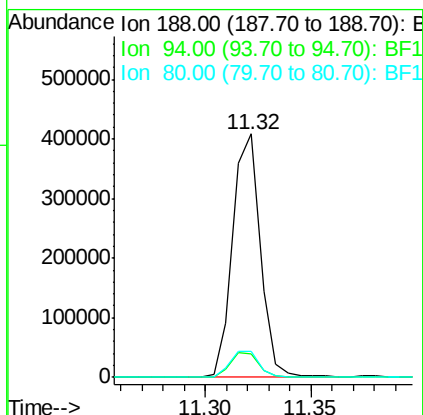
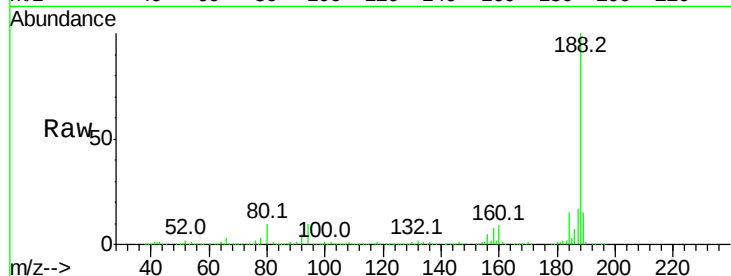




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

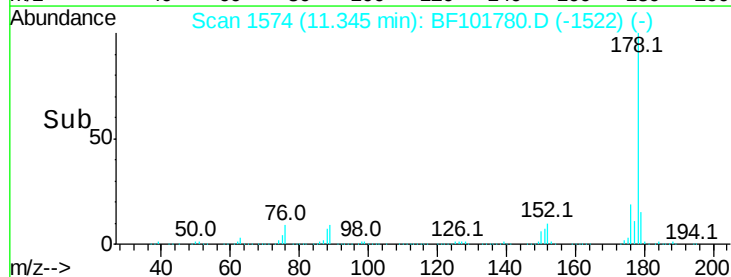
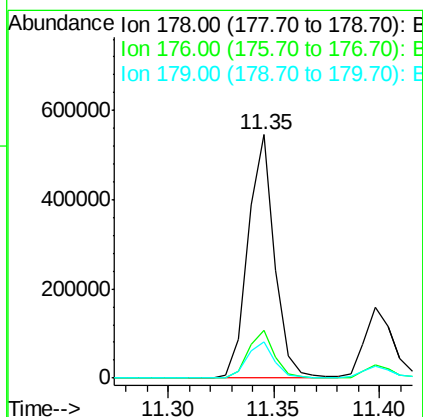
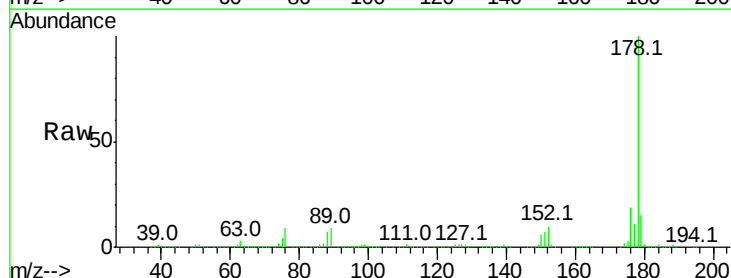
Instrument :
BNA_F
ClientSampled :

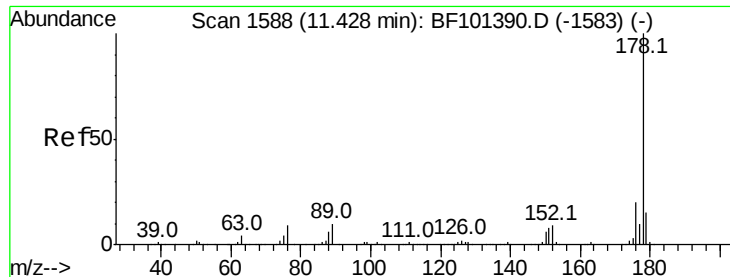
Tot Ion:188 Resp: 369054
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.4 9.2 13.8



#70
Phenanthrene
Concen: 23.191 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion:178 Resp: 475969
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 14.7 13.0 19.6

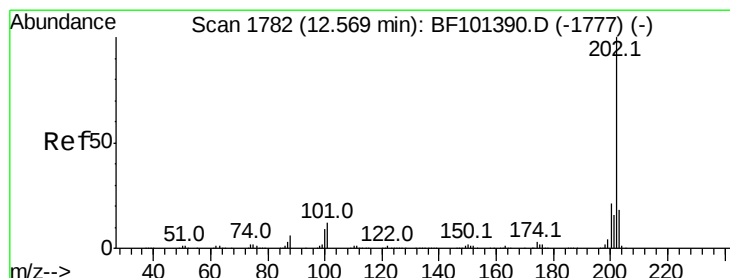
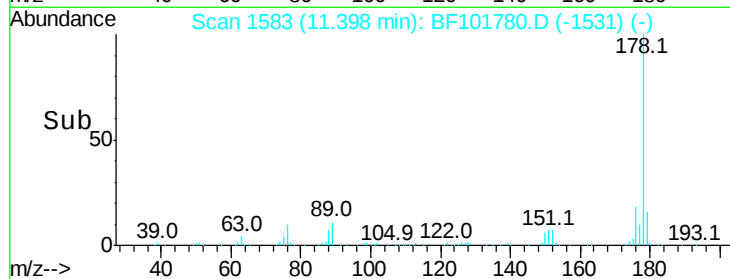
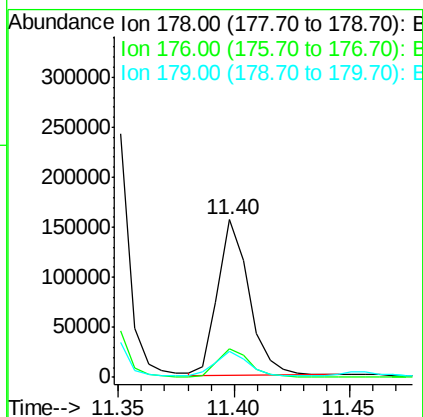
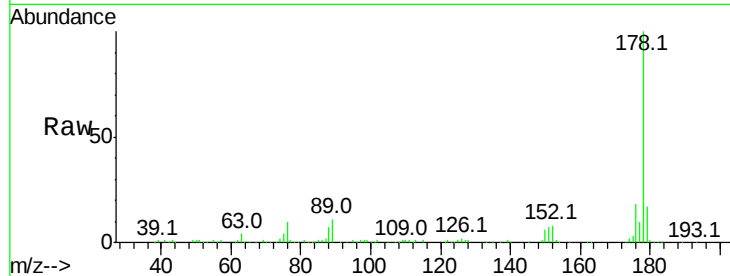




#71
 Anthracene
 Concen: 7.071 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

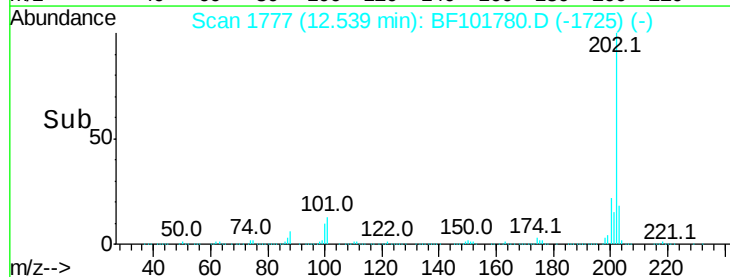
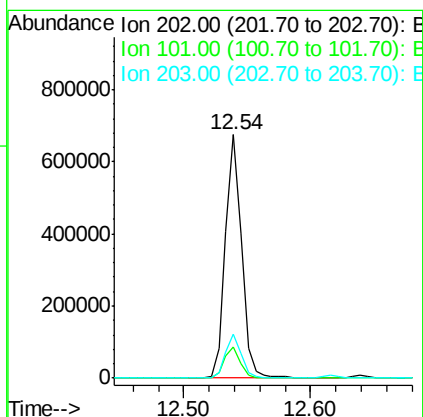
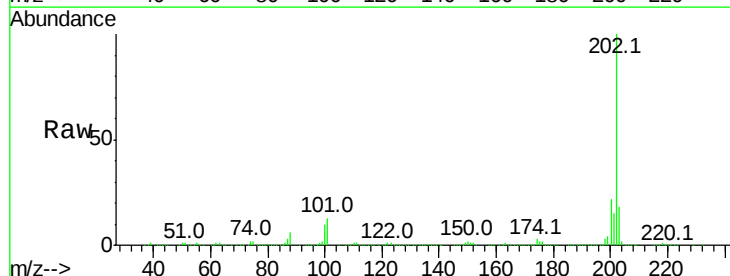
Instrument :
 BNA_F
 ClientSampleId :

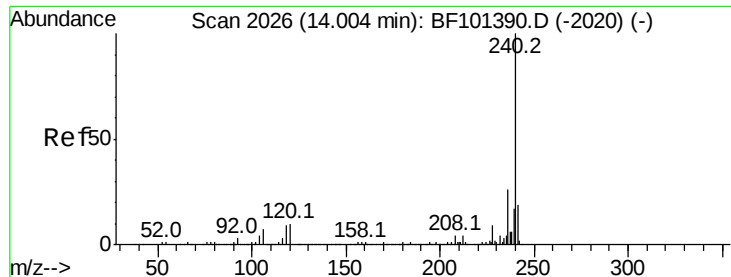
Tot Ion:178 Resp: 148237
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 16.5 12.6 19.0



#74
 Fluoranthene
 Concen: 27.827 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

Tgt Ion:202 Resp: 599473
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 34.1
 203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

Instrument :

BNA_F

ClientSampleId :

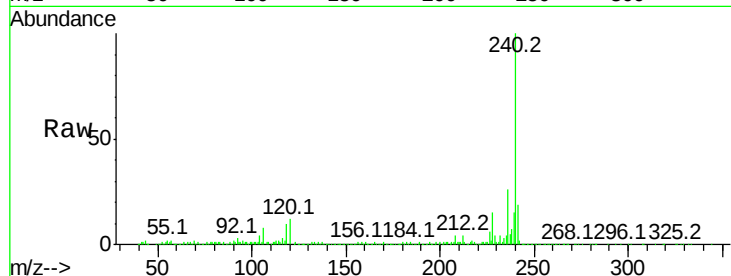
Tot Ion:240 Resp: 296948

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

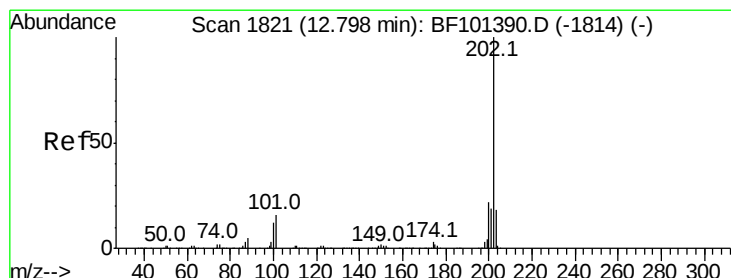
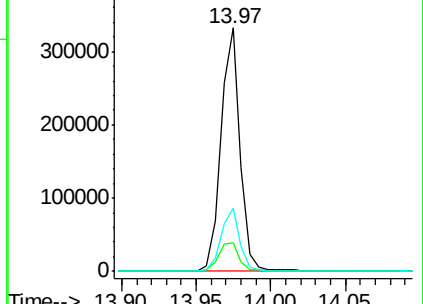
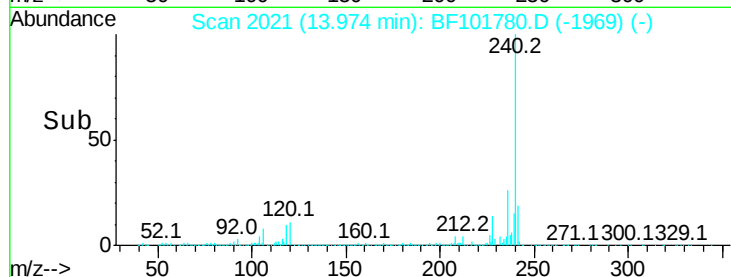
236 25.8 20.7 31.1



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: 23.168 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

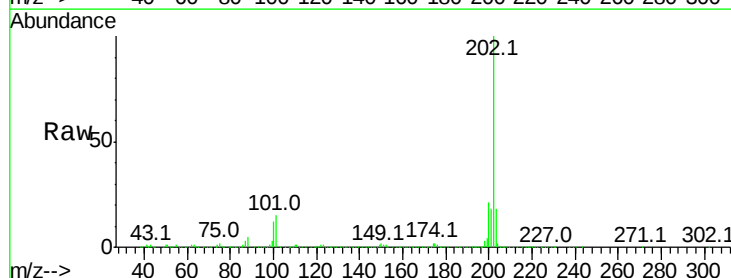
Tgt Ion:202 Resp: 516316

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

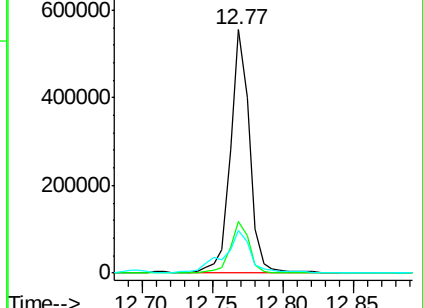
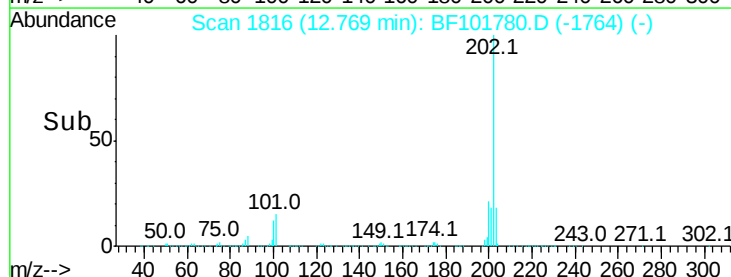
203 17.8 14.3 21.5

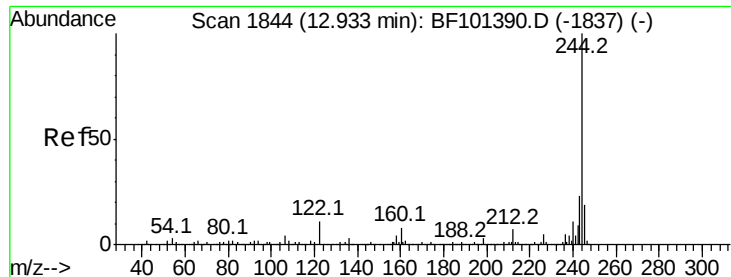


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 38.509 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

Instrument :

BNA_F

ClientSampleId :

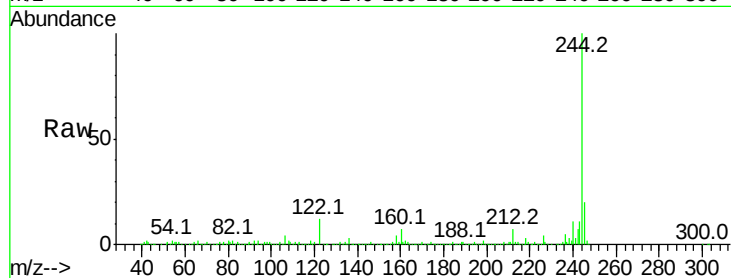
Tot Ion:244 Resp: 474332

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

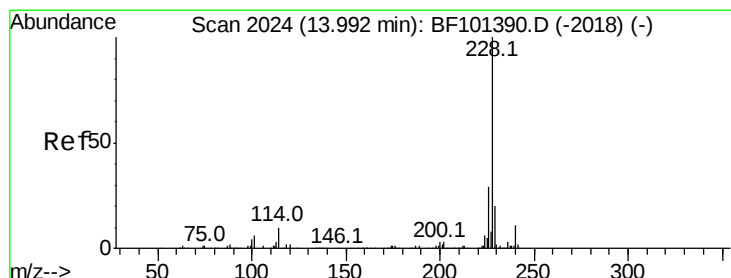
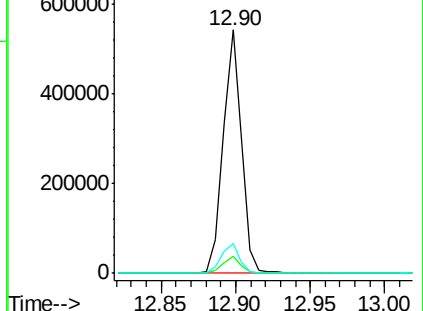
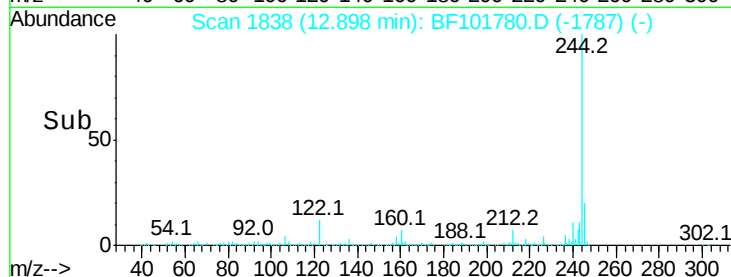
122 12.2 11.0 16.4



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: 15.233 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

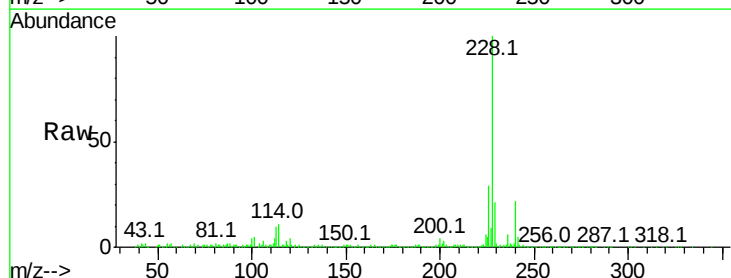
Tgt Ion:228 Resp: 298687

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

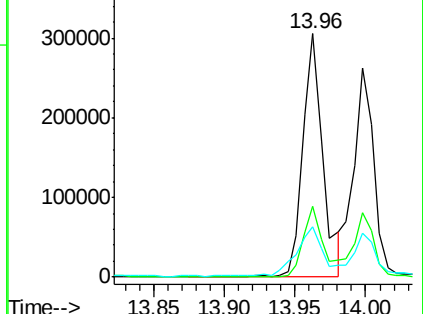
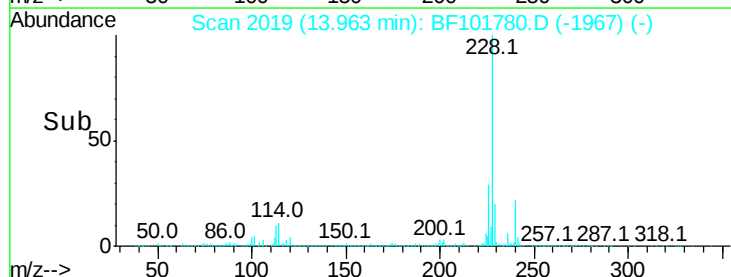
229 20.6 15.8 23.6

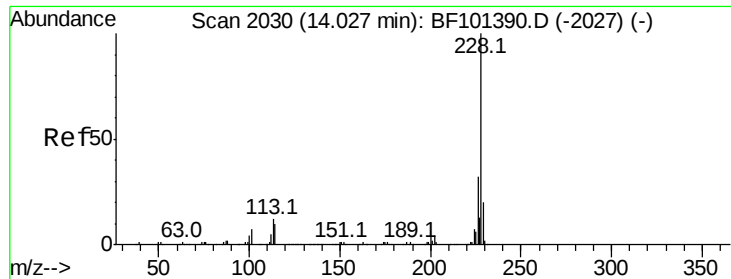


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.955 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

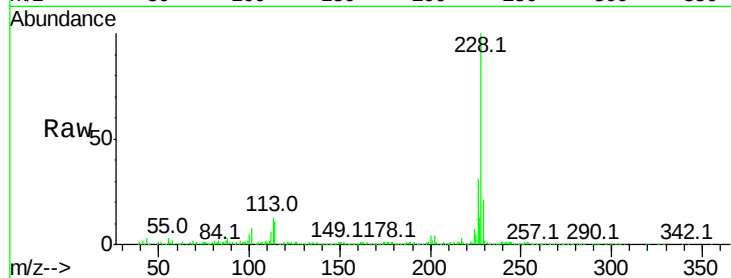
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 258357

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.0	16.2	24.4

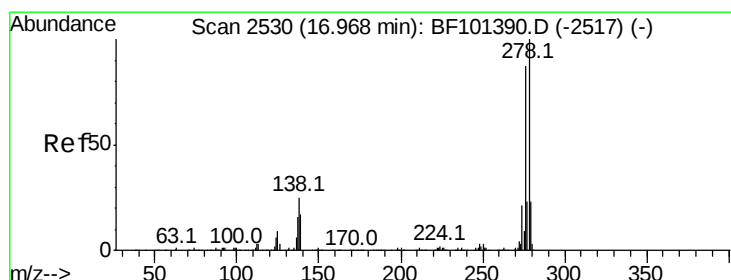
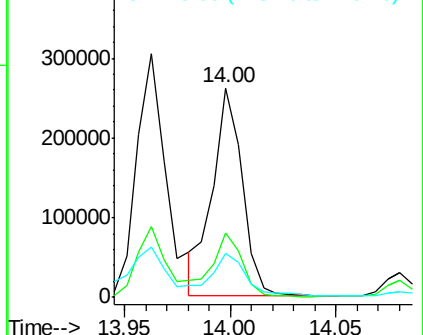
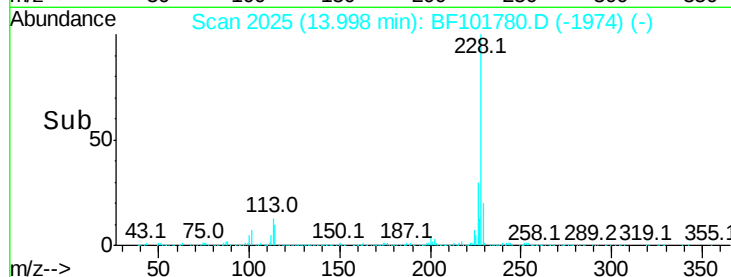


Abundance

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.992 ng

RT: 16.94 min Scan# 2525

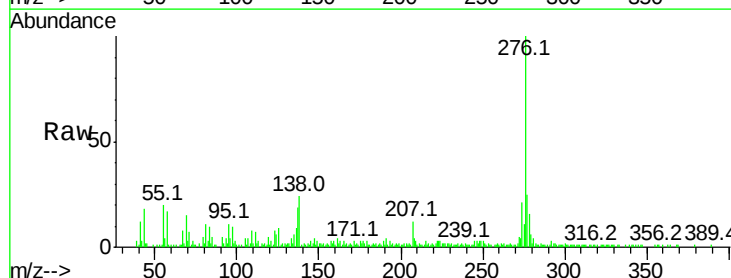
Delta R.T. 0.03 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

Tgt Ion:276 Resp: 98783

Ion	Ratio	Lower	Upper
276	100		
138	24.3	25.0	37.6#
277	23.4	20.1	30.1

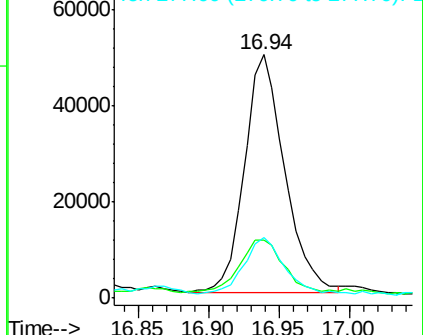
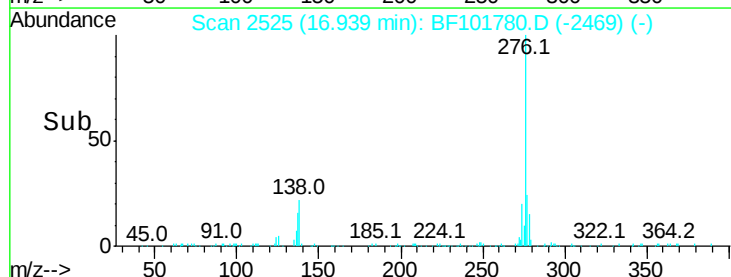


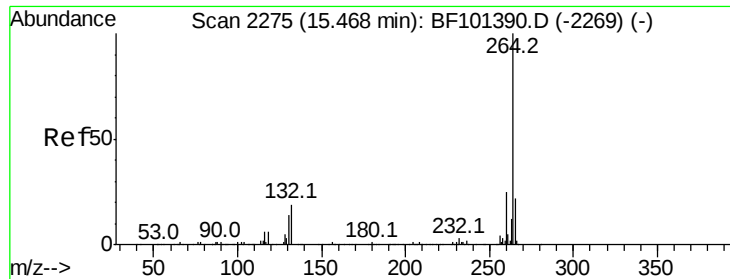
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

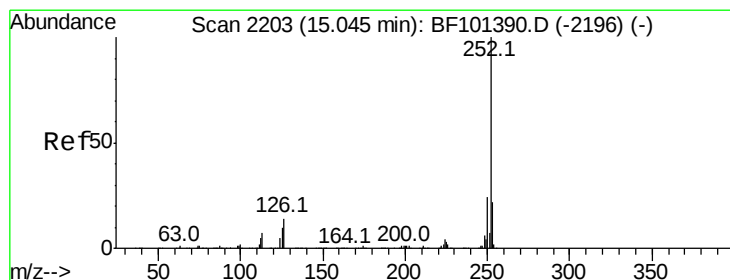
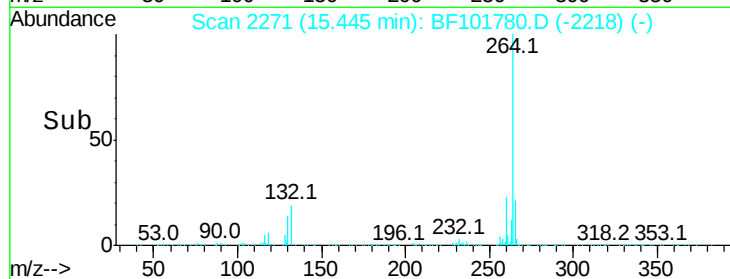
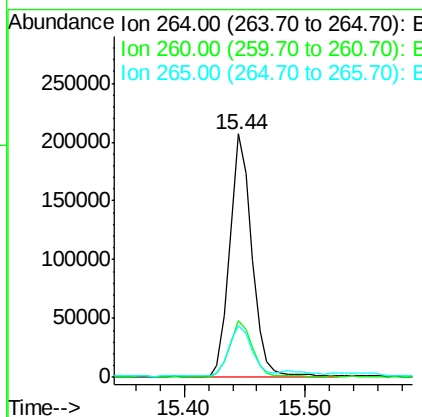
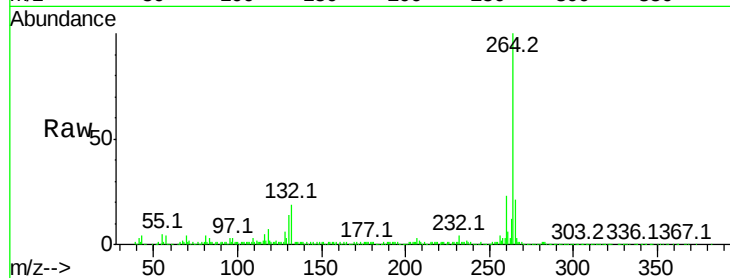




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

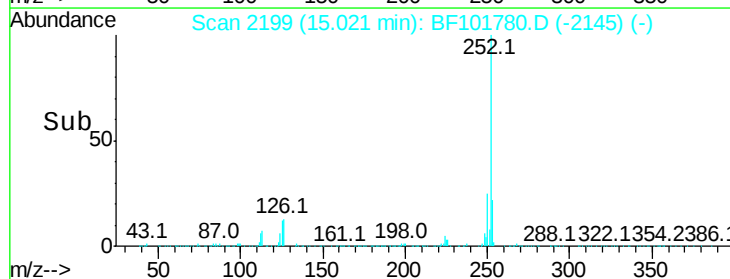
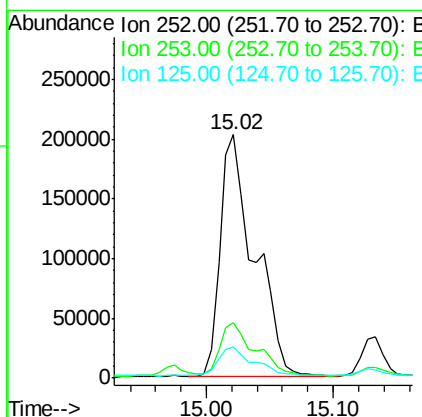
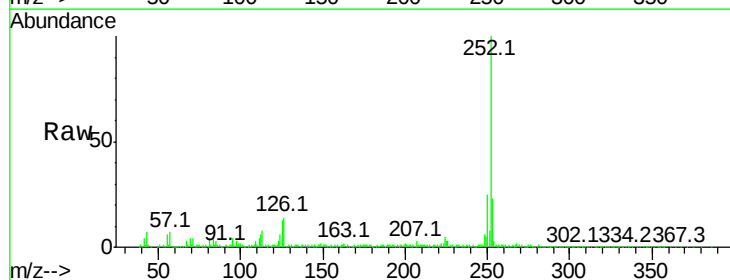
Instrument :
BNA_F
ClientSampled :

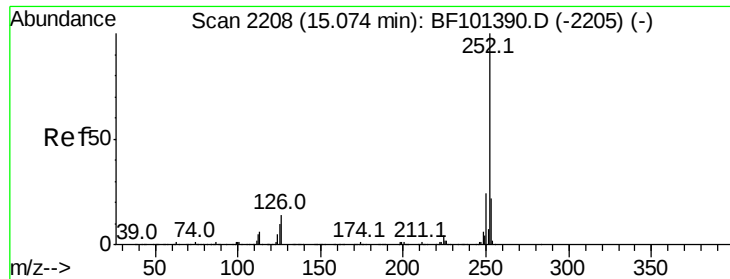
Tot Ion:264 Resp: 264030
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 23.706 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion:252 Resp: 381507
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 12.9 9.0 13.6

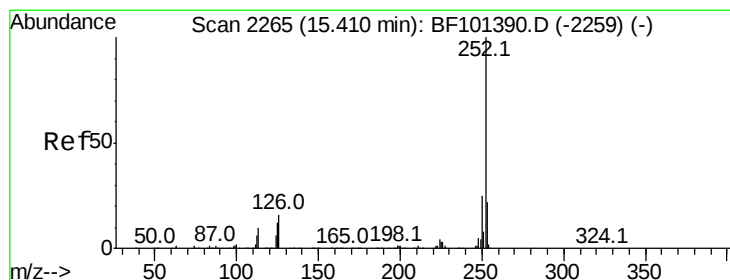
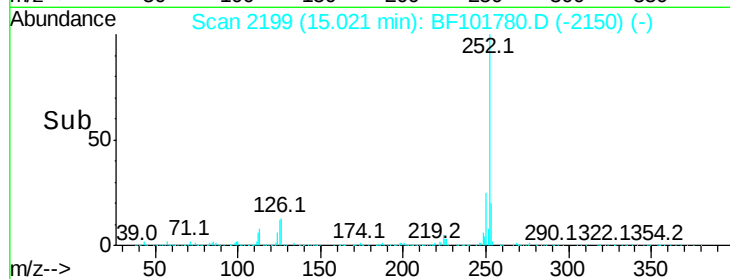
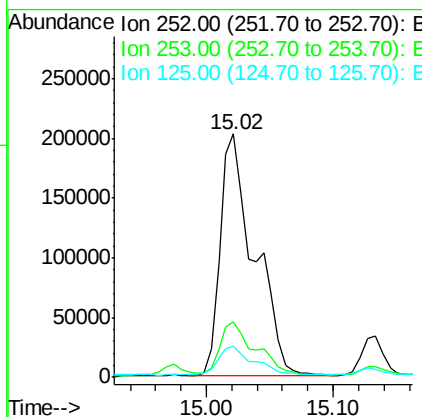
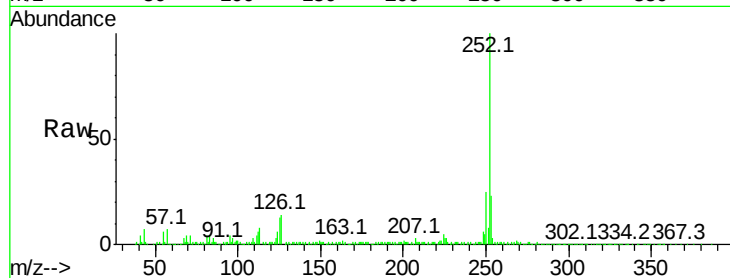




#88
Benzo(k)fluoranthene
Concen: 24.382 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

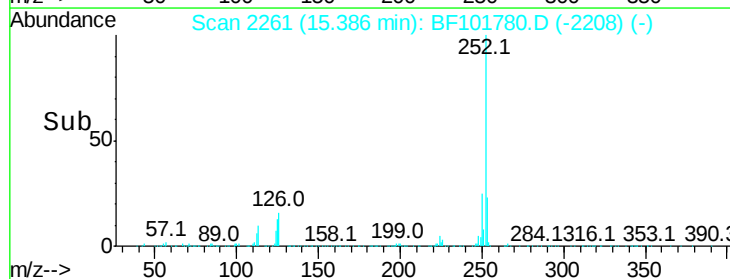
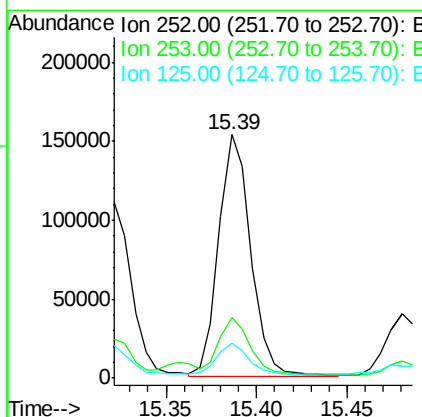
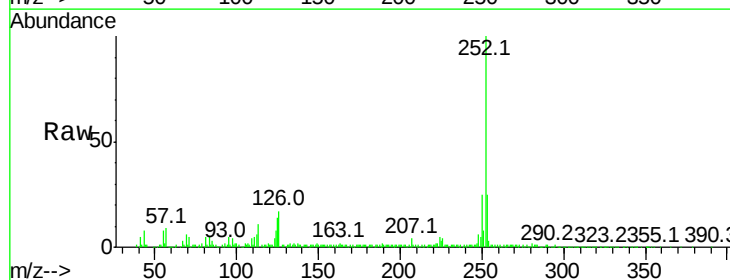
Instrument :
BNA_F
ClientSampleId :

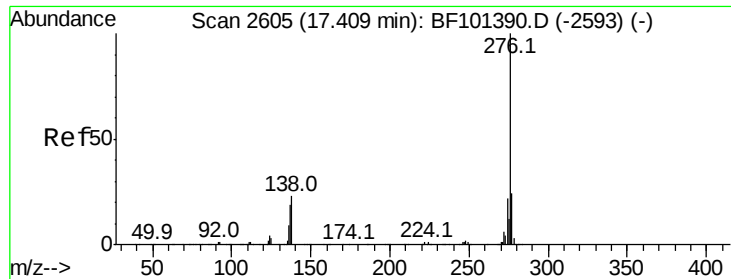
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	12.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 12.762 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	14.4	9.8	14.6

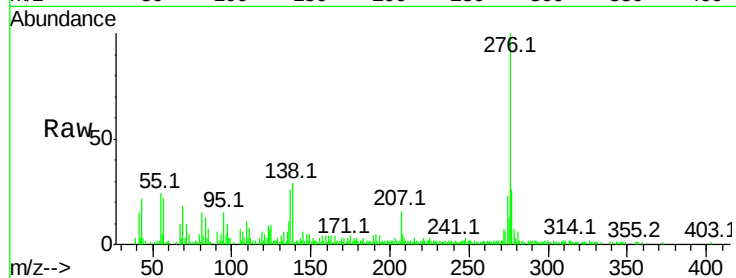




#91
 Benzo(a,h,i)perylene
 Concen: 7.212 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.04 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	29.4	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

