

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101798.D
 Acq On : 28 Dec 2017 13:23
 Operator : SJ/JU
 Sample : I7064-17
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 13:50:22 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	6.78	152	145834	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	560604	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	228356	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	347621	20.00	ng	0.00
75) Chrysene-d12	13.96	240	276696	20.00	ng	0.00
86) Perylene-d12	15.44	264	256686	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1045090	106.75	ng	0.00
7) Phenol-d6	6.43	99	1244017	102.10	ng	0.00
23) Nitrobenzene-d5	7.36	82	776478	77.10	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	211441	96.09	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1097664	74.57	ng	0.00
78) Terphenyl-d14	12.89	244	747182	65.10	ng	0.00

Target Compounds

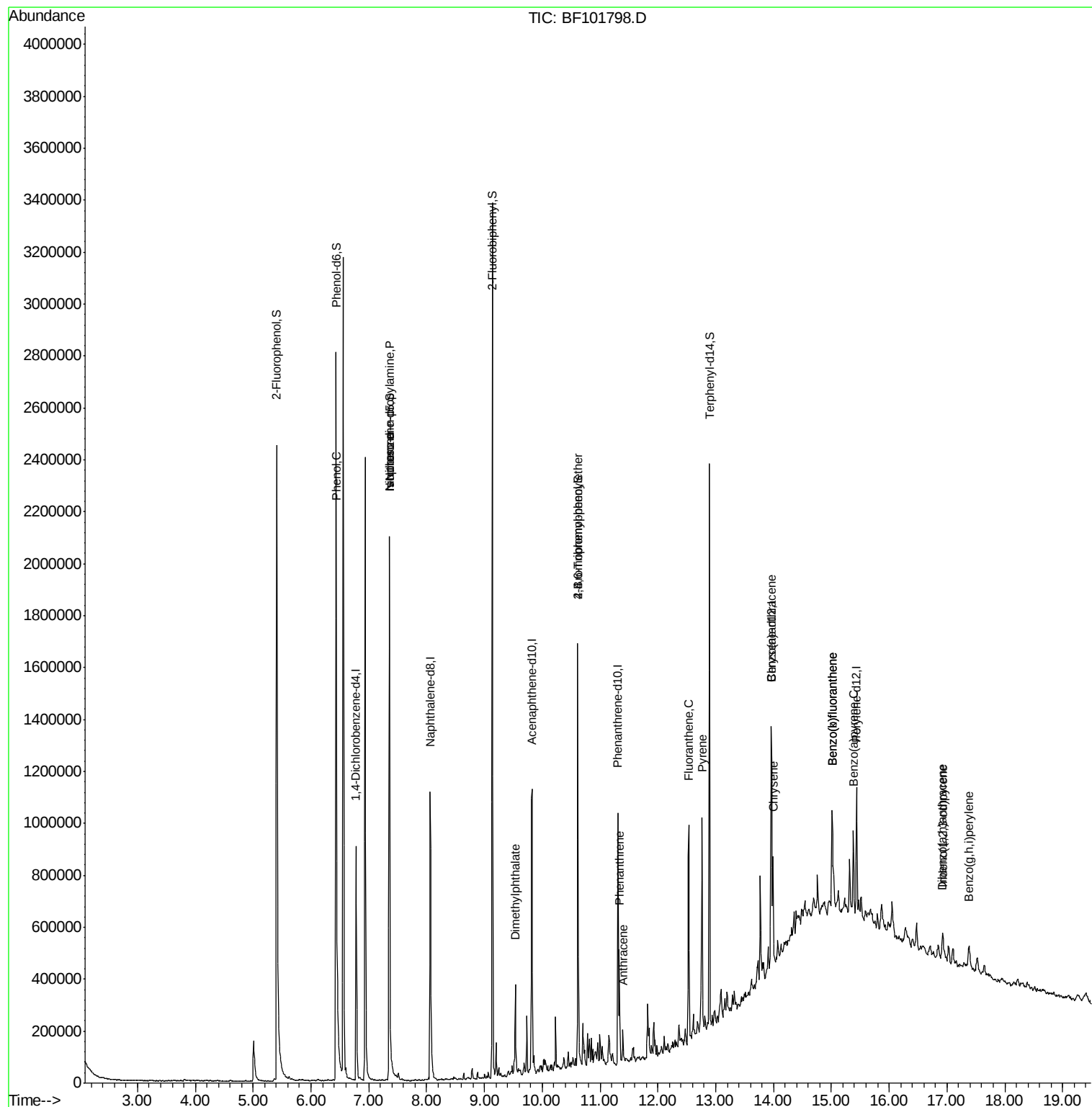
						Qvalue
10) Phenol	6.45	94	63801	4.594	ng	# 76
19) n-Nitroso-di-n-propylamine	7.36	70	103002	12.872	ng	# 80
25) Isophorone	7.36	82	776478	38.434	ng	# 64
49) Dimethylphthalate	9.53	163	137124	7.465	ng	98
66) 4-Bromophenyl-phenylether	10.62	248	13478	3.451	ng	# 1
70) Phenanthrene	11.33	178	176670	9.139	ng	98
71) Anthracene	11.39	178	50809	2.573	ng	96
74) Fluoranthene	12.53	202	345914	17.047	ng	97
77) Pyrene	12.76	202	337396	16.248	ng	99
80) Benzo(a)anthracene	13.96	228	184043	10.073	ng	98
82) Chrysene	13.99	228	175704	10.185	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	82031	5.340	ng	# 91
87) Benzo(b)fluoranthene	15.01	252	262873	16.802	ng	# 94
88) Benzo(k)fluoranthene	15.01	252	262873	17.281	ng	97
89) Benzo(a)pyrene	15.38	252	136180	9.442	ng	# 94
90) Dibenzo(a,h)anthracene	16.92	278	25103	2.027	ng	# 73
91) Benzo(g,h,i)perylene	17.38	276	78364	6.391	ng	97

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

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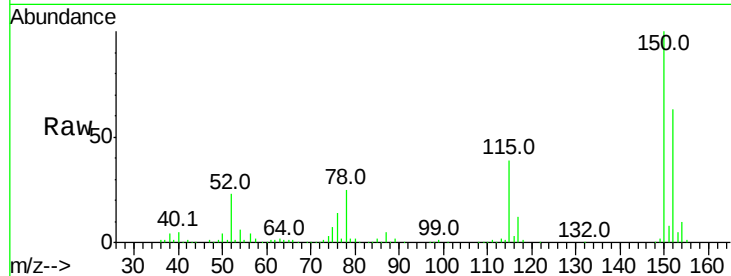


#1

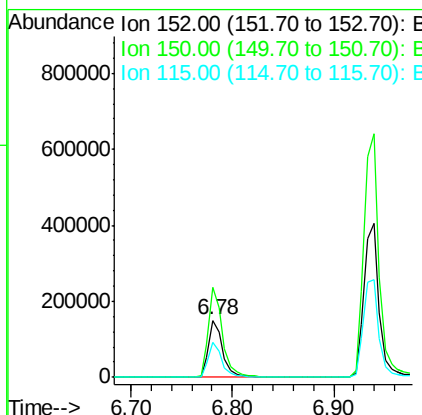
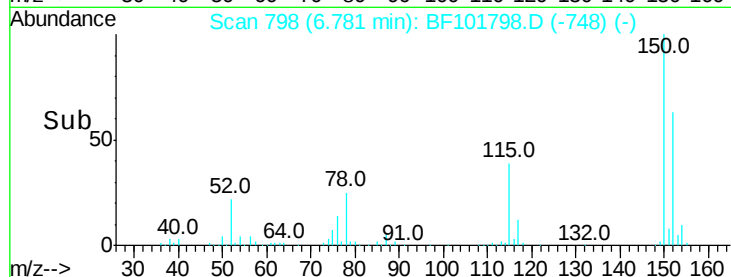
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145834
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 61.7 50.1 75.1



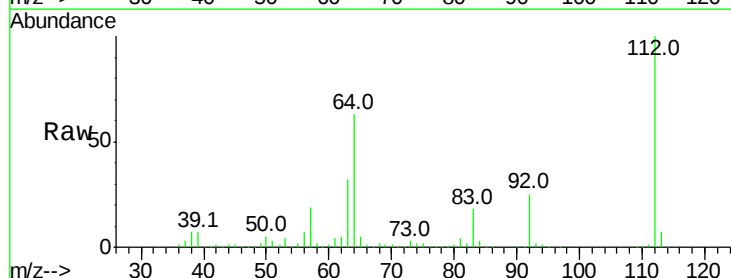
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



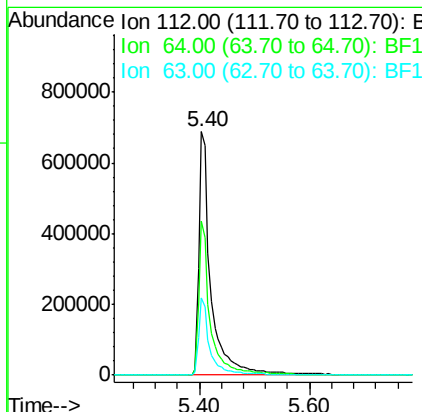
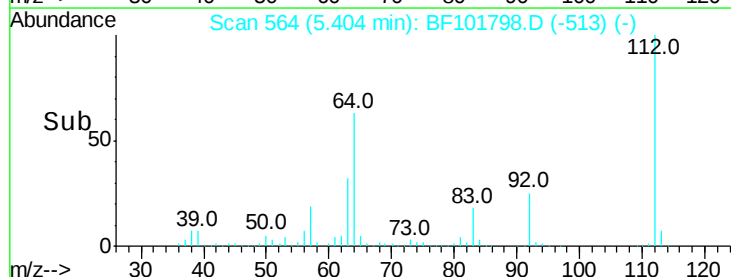
#5

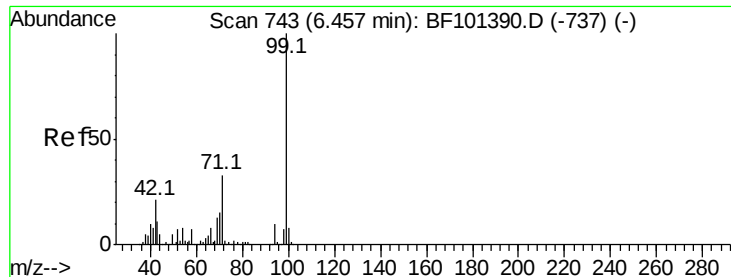
2-Fluorophenol
Concen: 106.748 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion:112 Resp: 1045090
Ion Ratio Lower Upper
112 100
64 63.2 47.9 71.9
63 32.0 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: 102.099 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Instrument :

BNA_F

ClientSampleId :

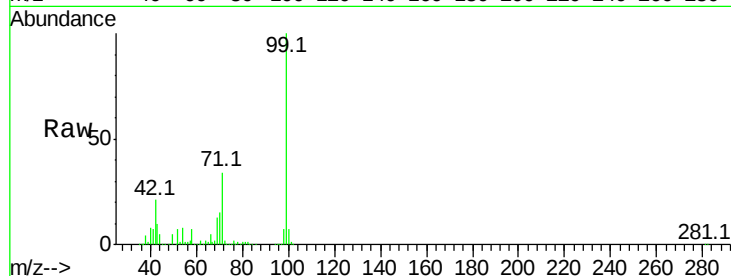
Tot Ion: 99 Resp: 1244017

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

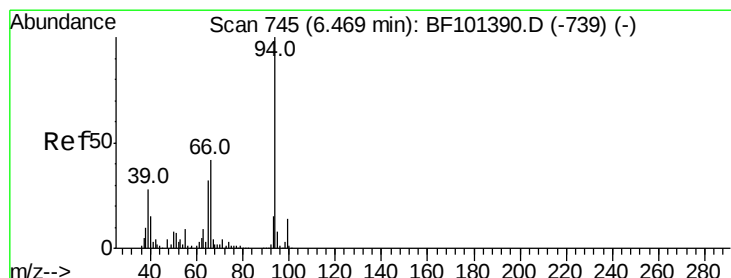
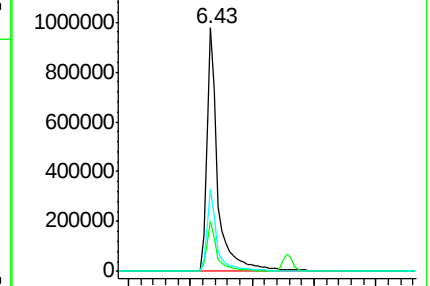
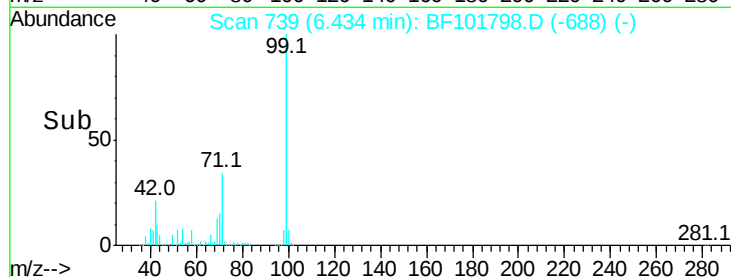
71 34.0 25.4 38.0



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: 4.594 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

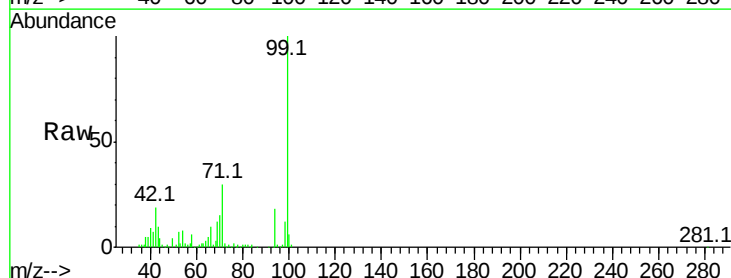
Tgt Ion: 94 Resp: 63801

Ion Ratio Lower Upper

94 100

65 31.1 7.9 47.9

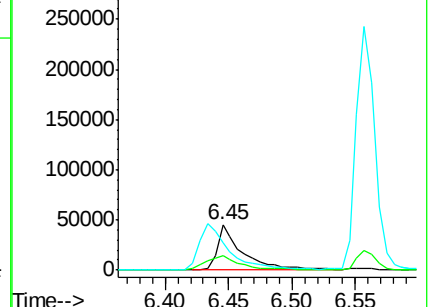
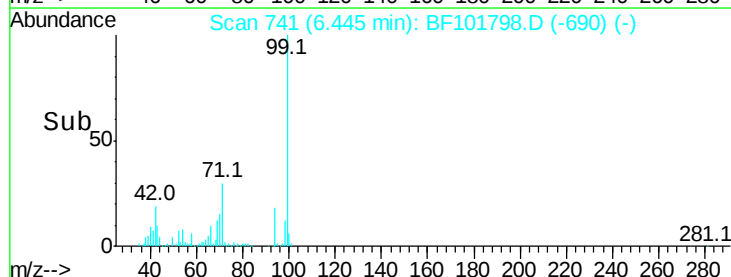
66 58.6 16.2 56.2#



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: 12.872 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF101798.D

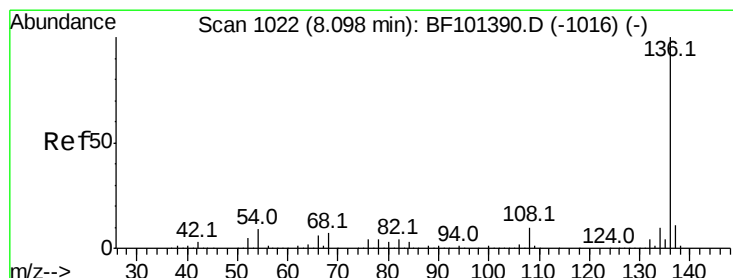
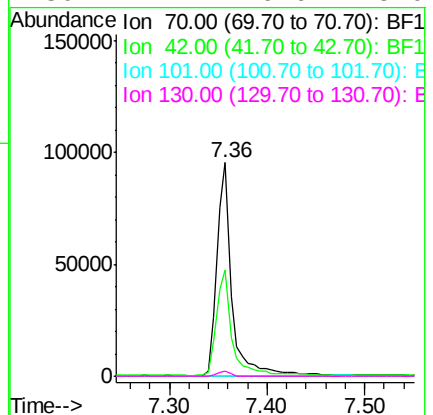
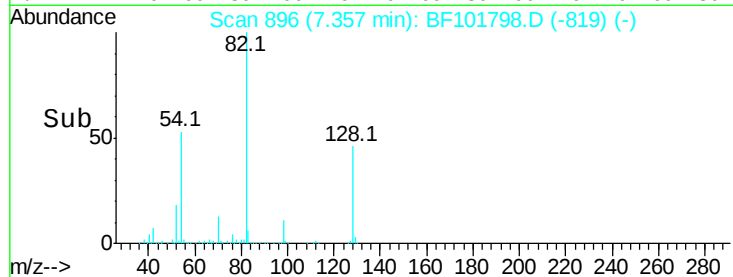
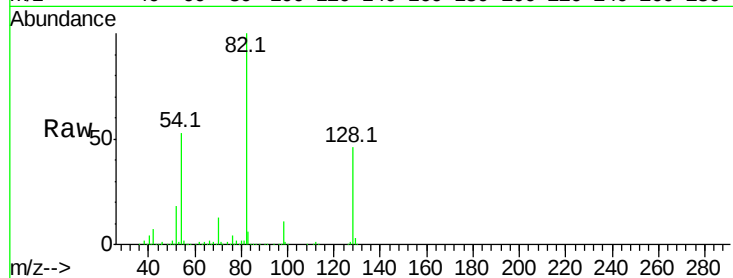
Acq: 28 Dec 2017 13:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	103002
Ion	Ratio	Lower	Upper
70	100		
42	50.0	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

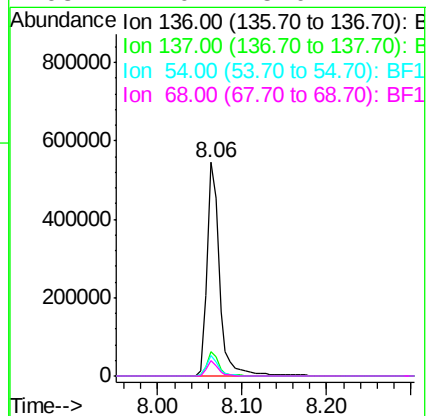
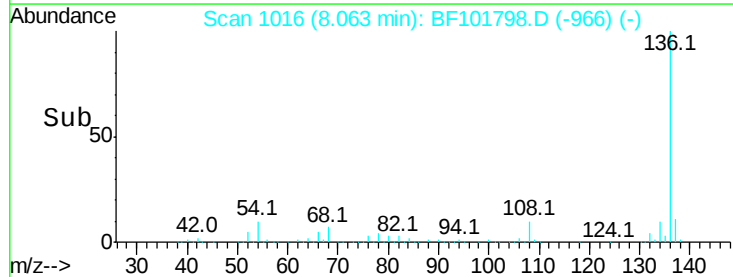
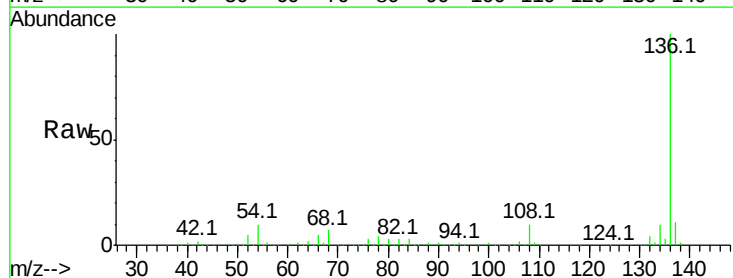
RT: 8.06 min Scan# 1016

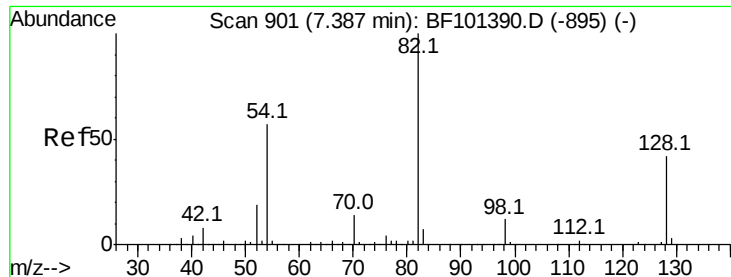
Delta R.T. -0.01 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Tgt Ion:	136	Resp:	560604
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.5	6.6	9.8
68	7.0	5.0	7.4

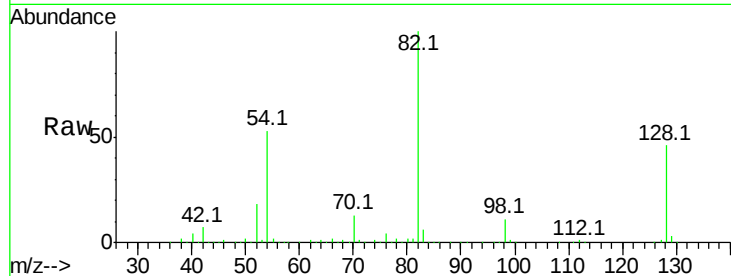




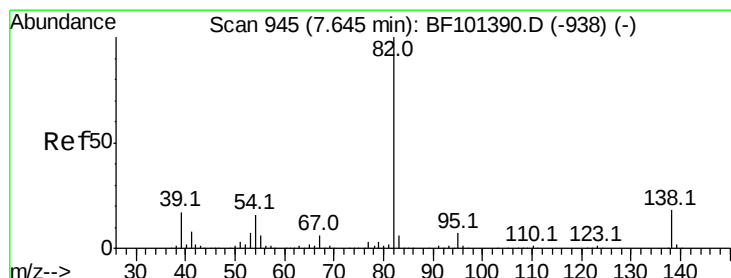
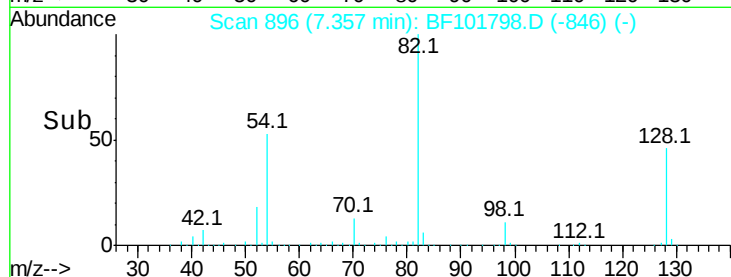
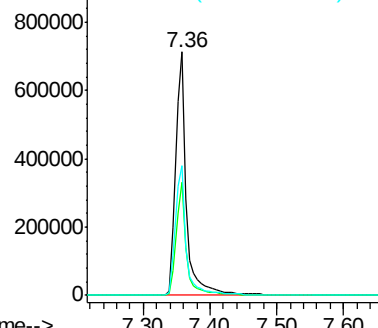
#23
 Nitrobenzene-d5
 Concen: 77.101 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF101798.D
 Acq: 28 Dec 2017 13:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 776478
 Ion Ratio Lower Upper
 82 100
 128 46.4 36.1 54.1
 54 53.5 41.4 62.2

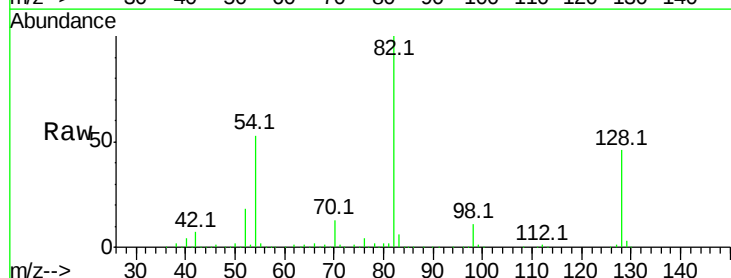


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

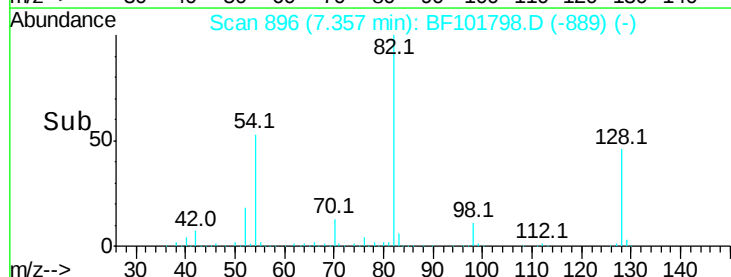
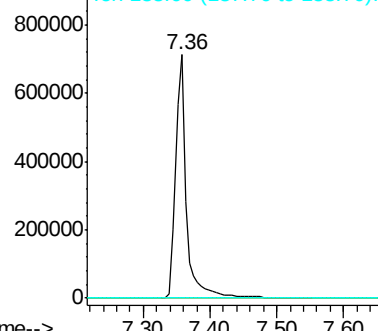


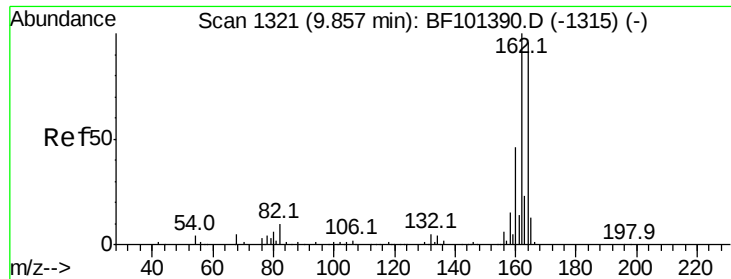
#25
 Isophorone
 Concen: 38.434 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF101798.D
 Acq: 28 Dec 2017 13:23

Tgt Ion: 82 Resp: 776478
 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

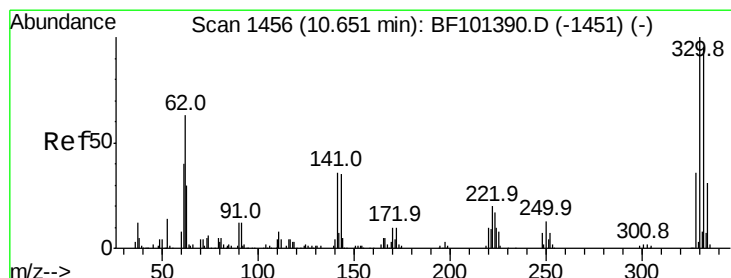
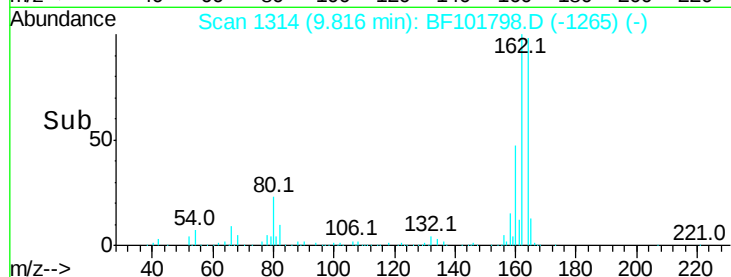
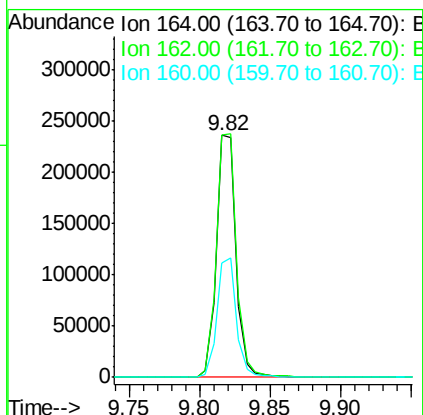
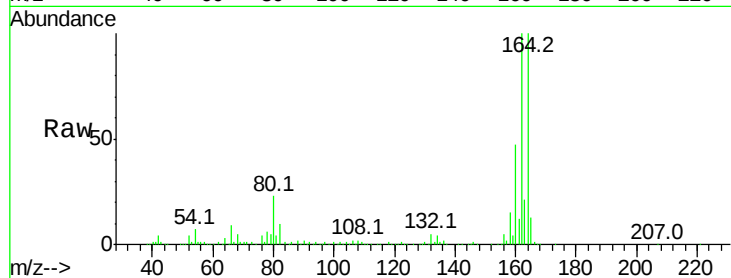




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF101798.D
 Acq: 28 Dec 2017 13:23

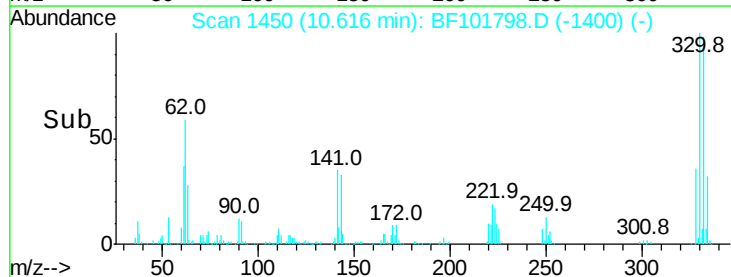
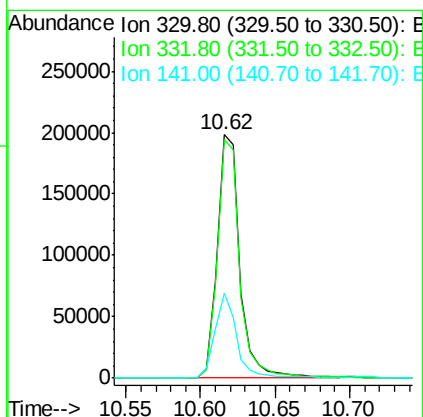
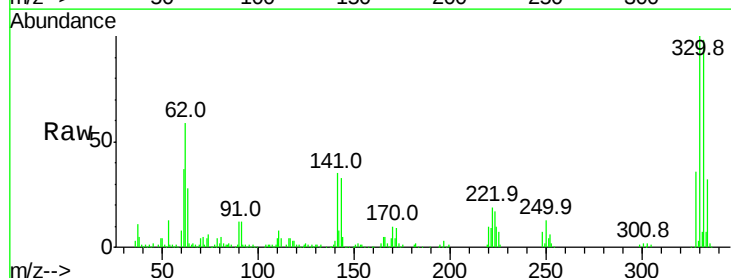
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 228356
 Ion Ratio Lower Upper
 164 100
 162 100.2 86.1 129.1
 160 47.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 96.093 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF101798.D
 Acq: 28 Dec 2017 13:23

Tgt Ion:330 Resp: 211441
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.0 115.6
 141 32.6 29.9 44.9

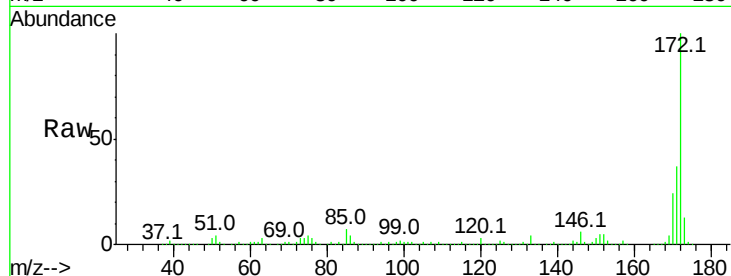




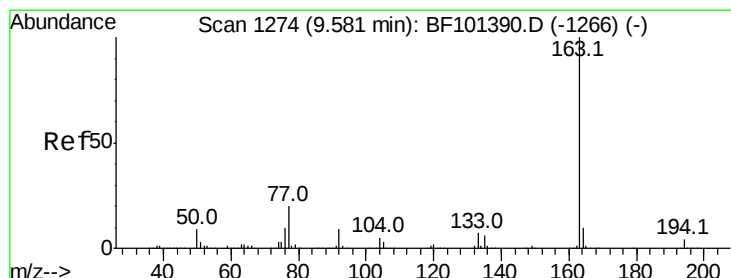
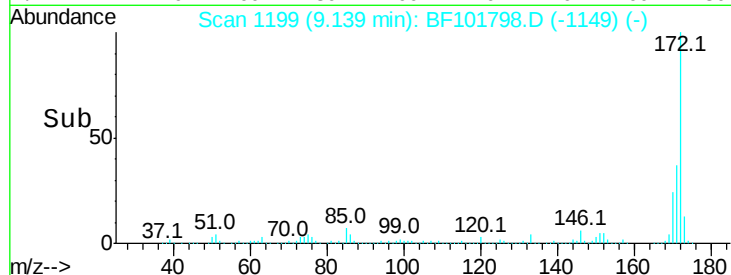
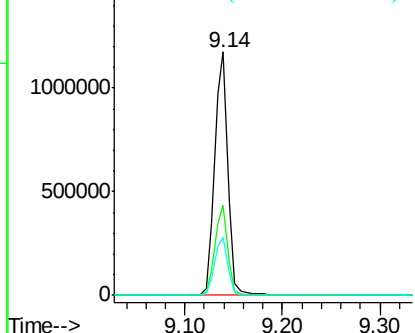
#44
2-Fluorobiphenyl
Concen: 74.565 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1097664
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.0 19.6 29.4

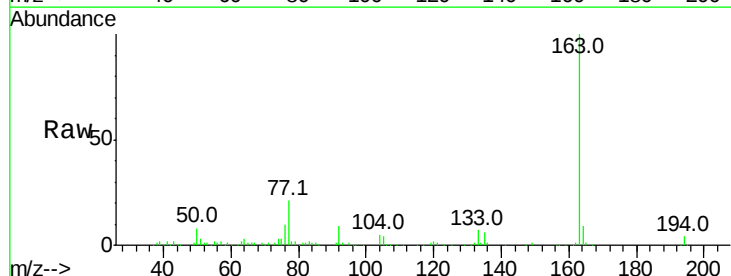


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

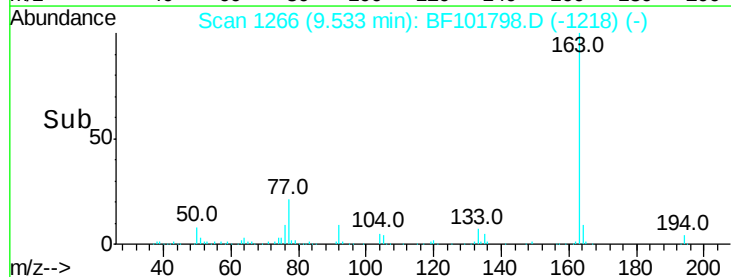
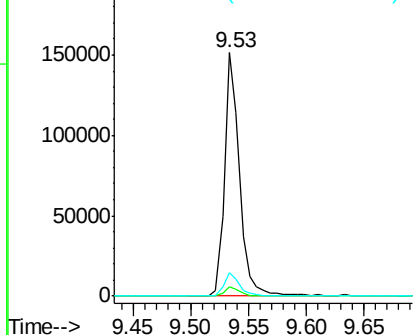


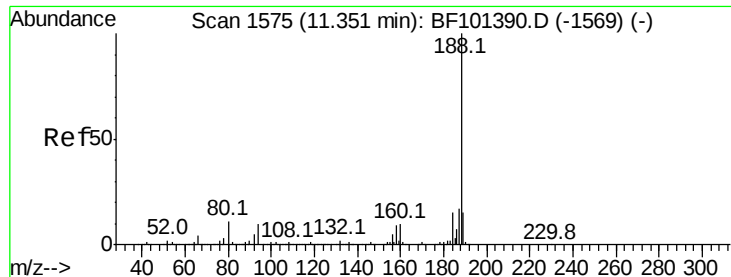
#49
Dimethylphthalate
Concen: 7.465 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion:163 Resp: 137124
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.4 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

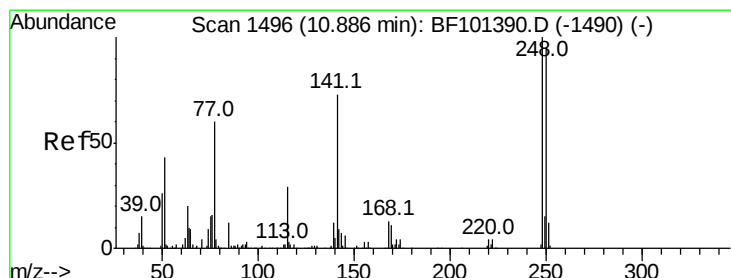
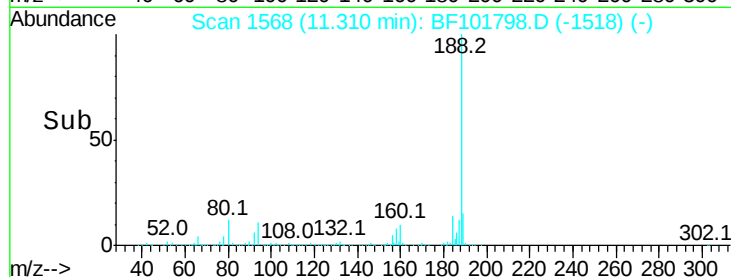
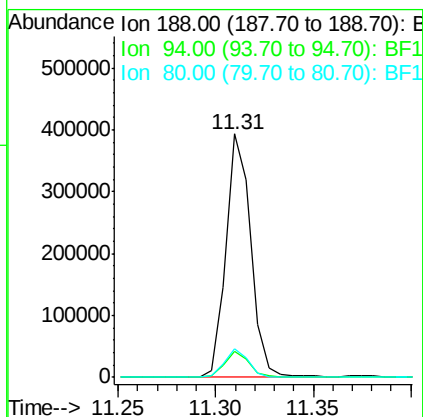
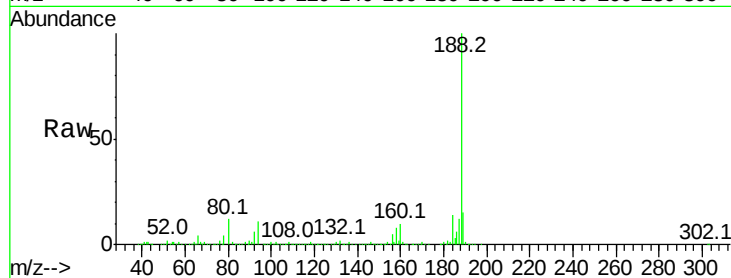




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

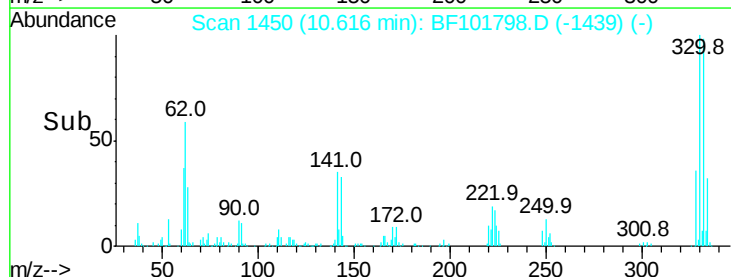
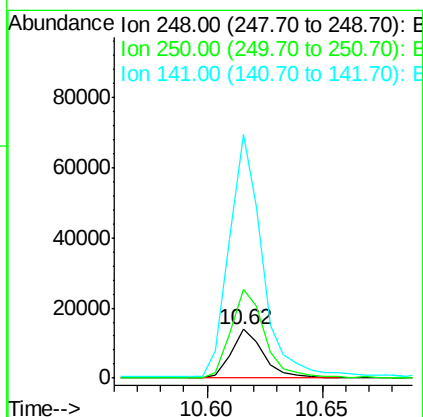
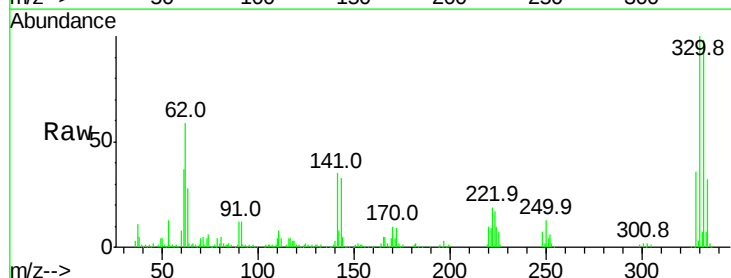
Instrument :
BNA_F
ClientSampled :

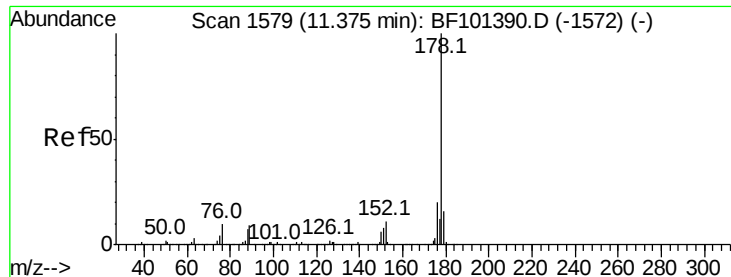
Tot Ion:188 Resp: 347621
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.7 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.451 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion:248 Resp: 13478
Ion Ratio Lower Upper
248 100
250 181.7 76.9 115.3#
141 497.7 74.4 111.6#

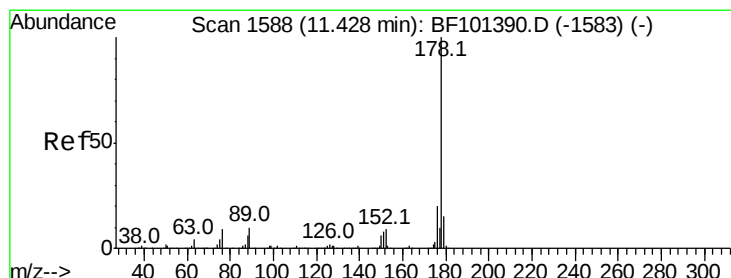
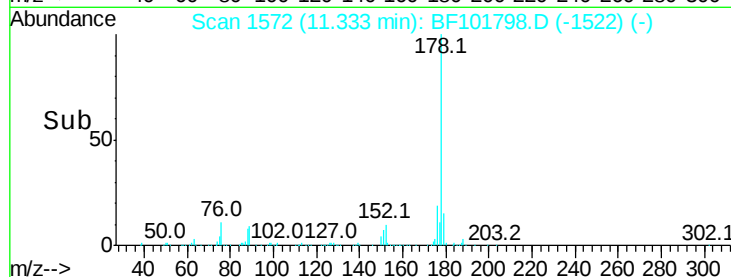
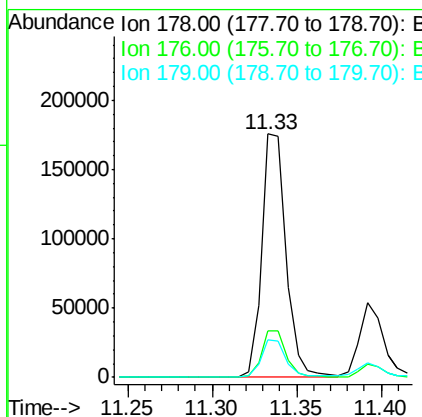
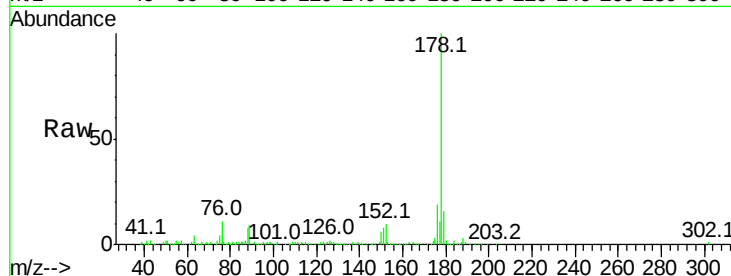




#70
Phenanthrene
Concen: 9.139 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

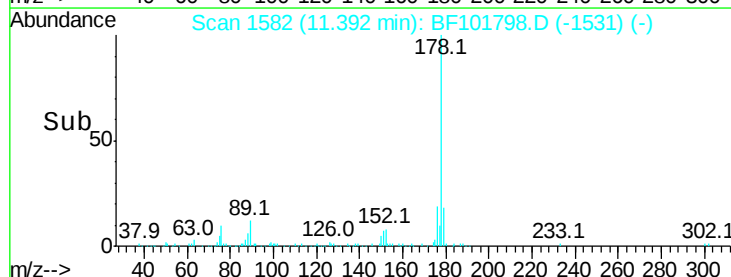
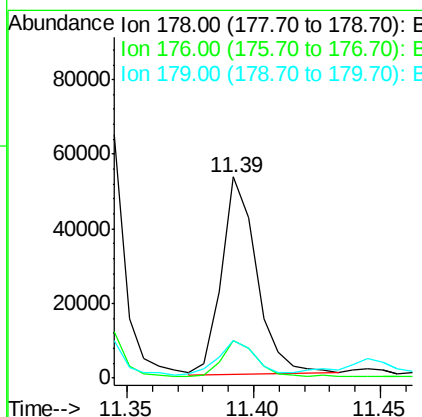
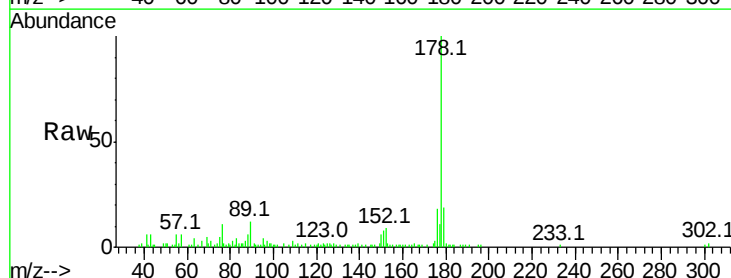
Instrument :
BNA_F
ClientSampleId :

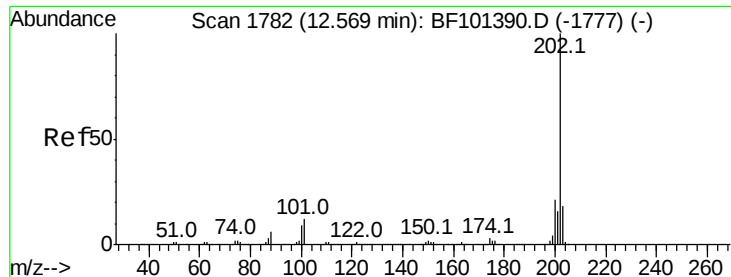
Tot Ion:178 Resp: 176670
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.5 13.0 19.6



#71
Anthracene
Concen: 2.573 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion:178 Resp: 50809
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 18.8 12.6 19.0





#74

Fluoranthene

Concen: 17.047 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Instrument :

BNA_F

ClientSampleId :

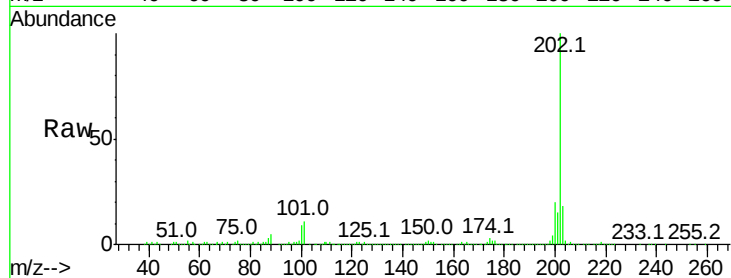
Tot Ion:202 Resp: 345914

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

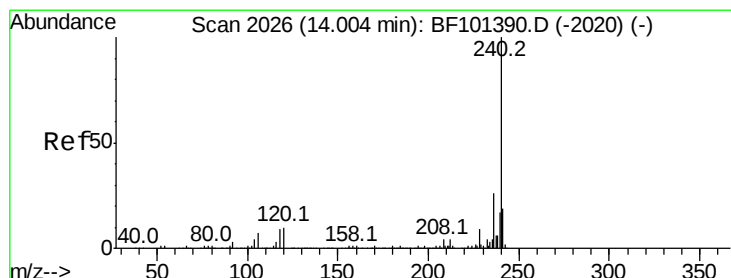
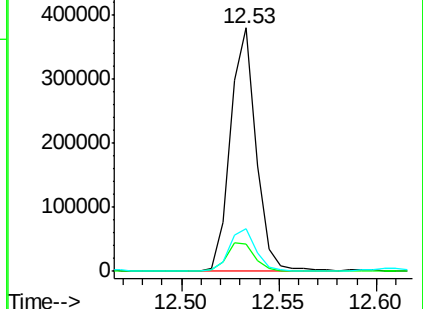
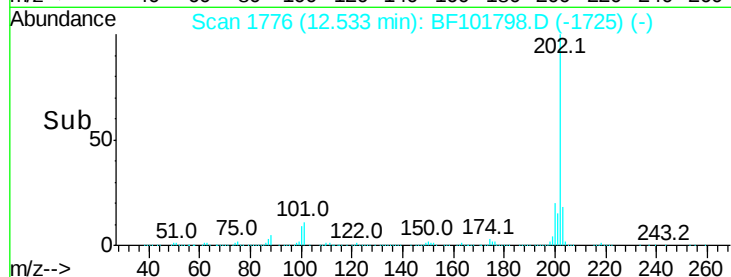
203 17.7 0.0 38.1



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# 2019

Delta R.T. -0.01 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

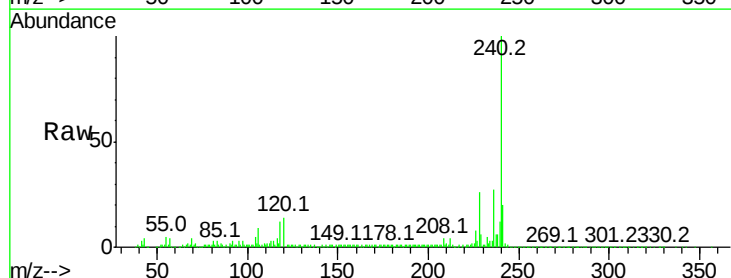
Tgt Ion:240 Resp: 276696

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

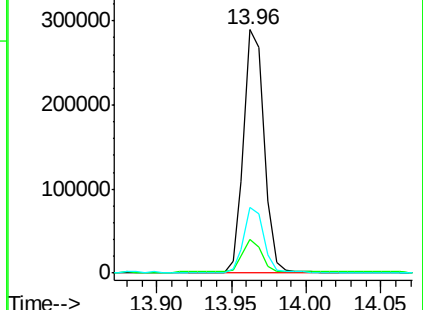
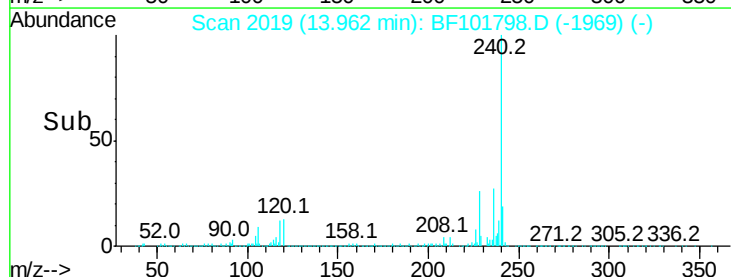
236 27.0 20.7 31.1

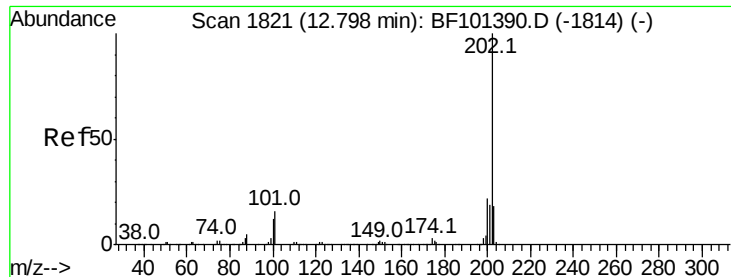


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 16.248 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Instrument :

BNA_F

ClientSampleId :

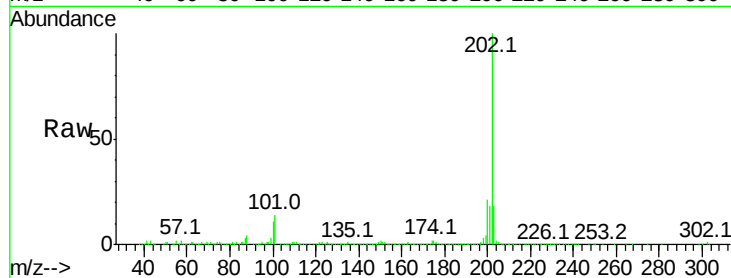
Tot Ion:202 Resp: 337396

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

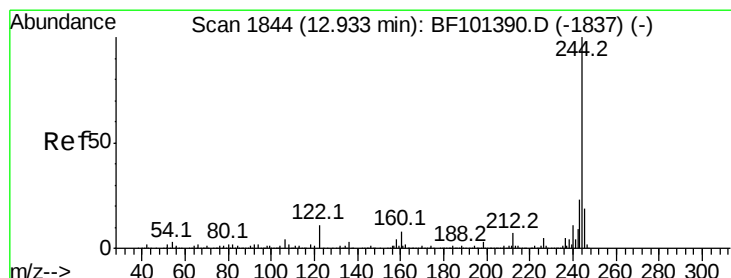
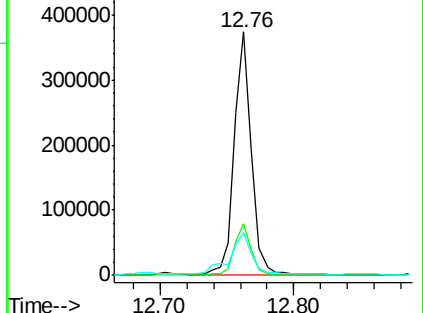
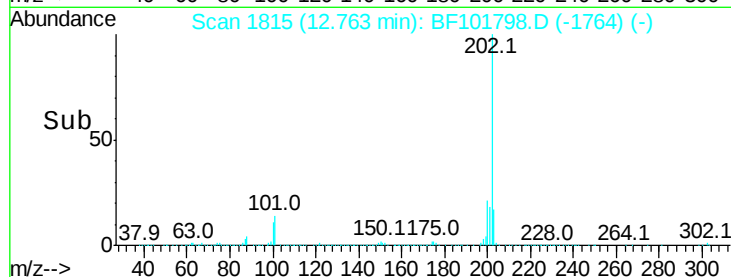
203 17.6 14.3 21.5



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: 65.100 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

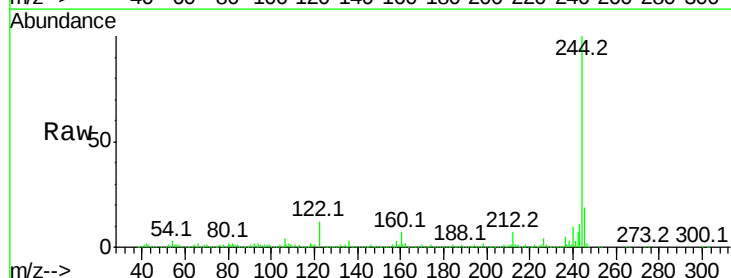
Tgt Ion:244 Resp: 747182

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

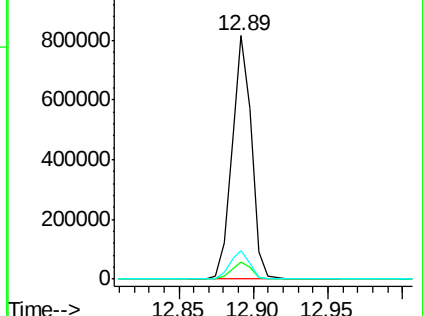
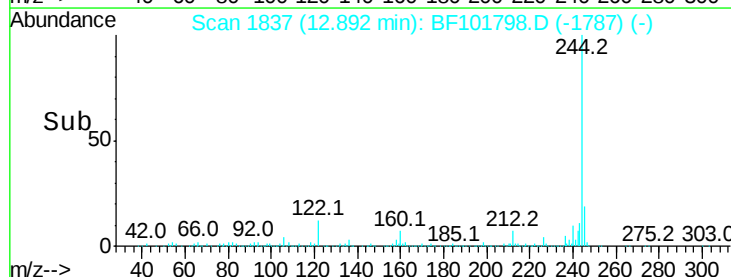
122 11.9 11.0 16.4

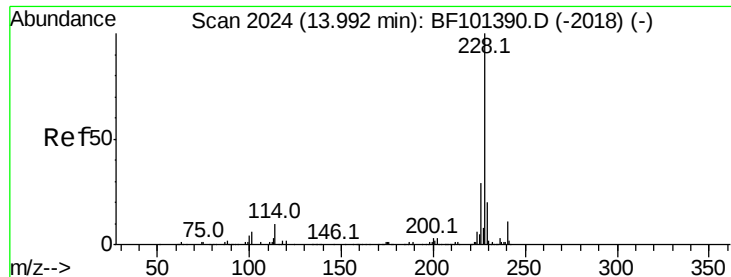


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.073 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Instrument :

BNA_F

ClientSampleId :

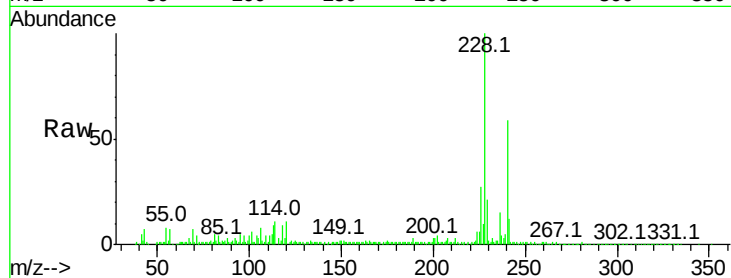
Tot Ion:228 Resp: 184043

Ion Ratio Lower Upper

228 100

226 27.3 22.6 33.8

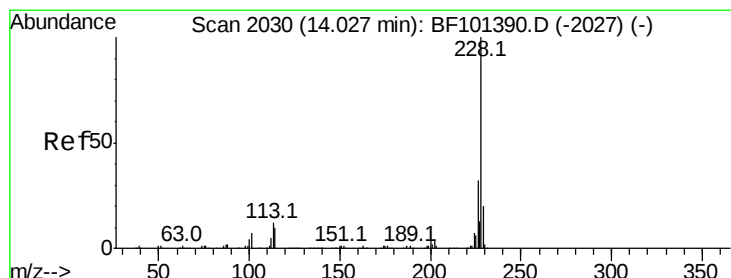
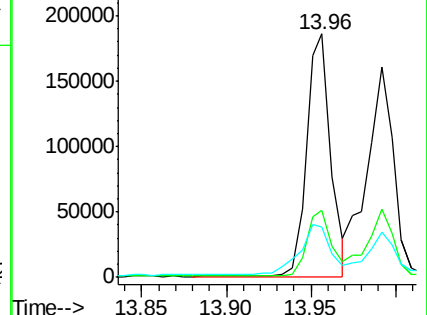
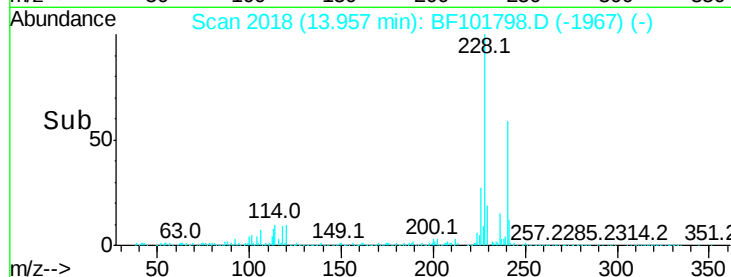
229 20.8 15.8 23.6



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: 10.185 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

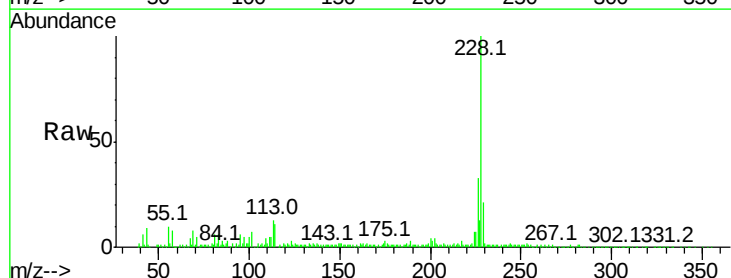
Tgt Ion:228 Resp: 175704

Ion Ratio Lower Upper

228 100

226 32.7 25.0 37.6

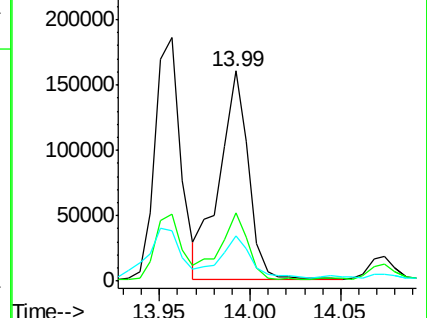
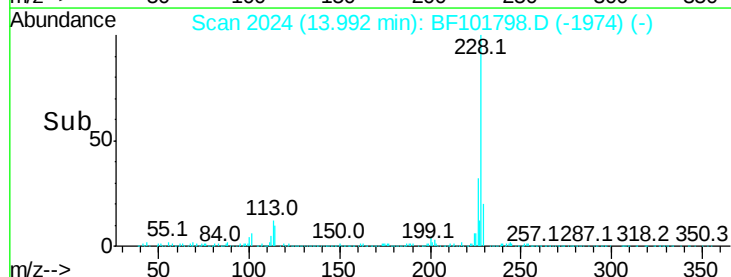
229 21.5 16.2 24.4

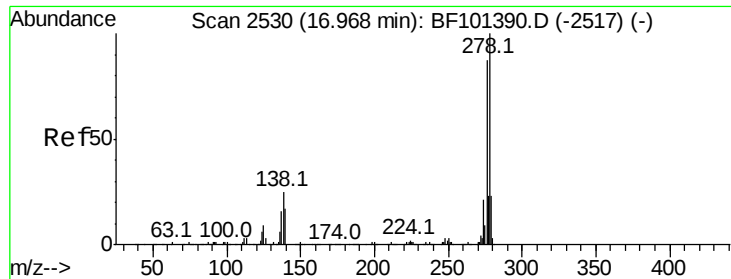


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

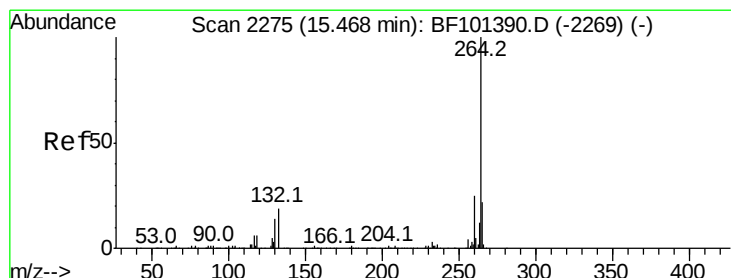
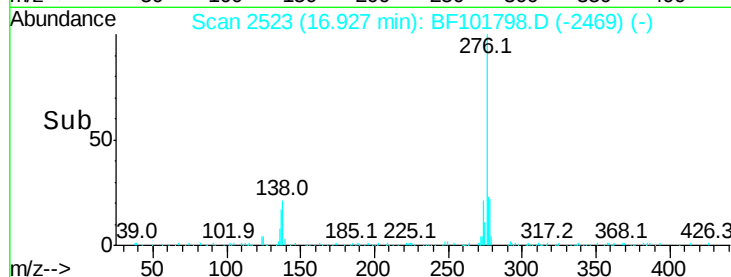
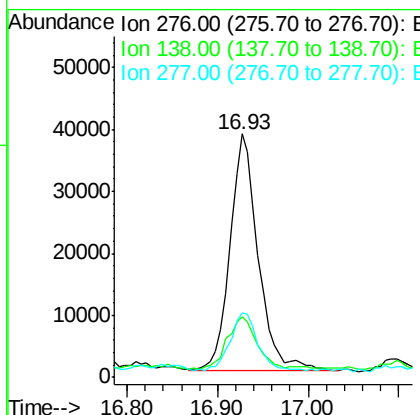
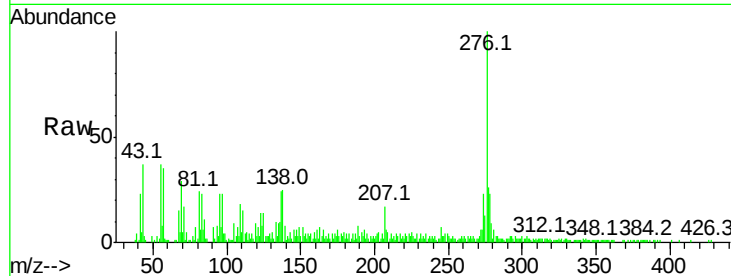




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.340 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

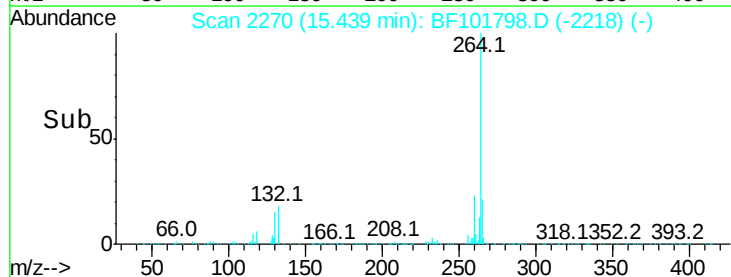
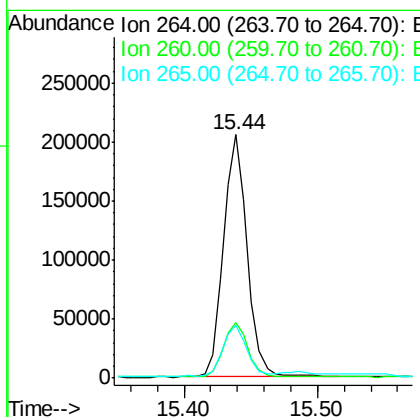
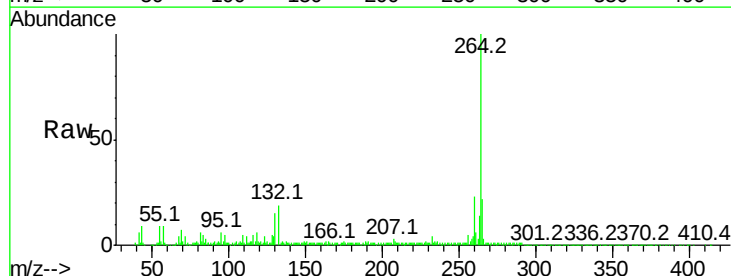
Instrument :
BNA_F
ClientSampled :

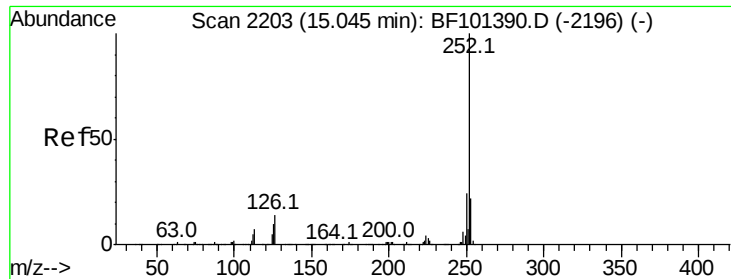
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	25.0	37.6#
277	24.7	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 16.802 ng

RT: 15.01 min Scan# 2197

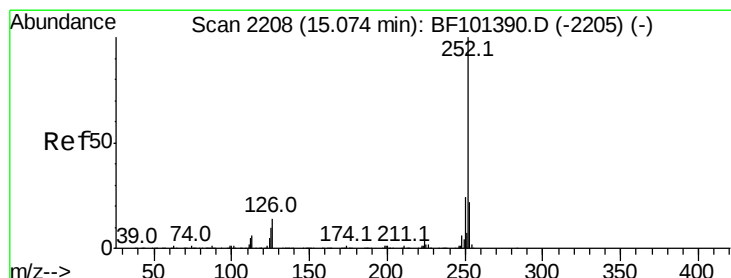
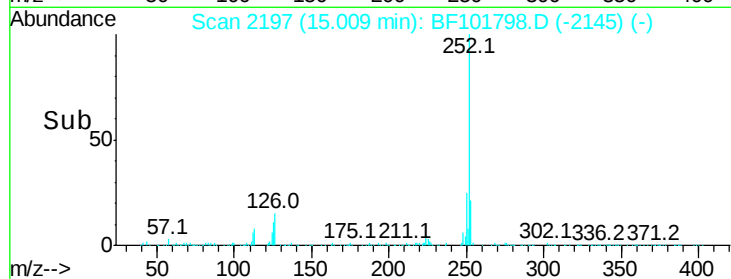
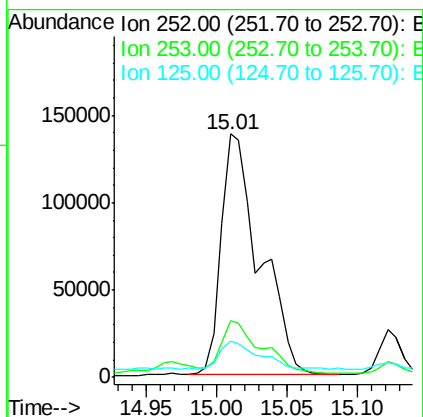
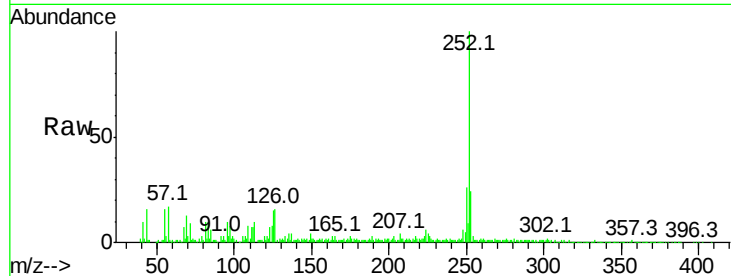
Delta R.T. 0.01 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	14.8	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 17.281 ng

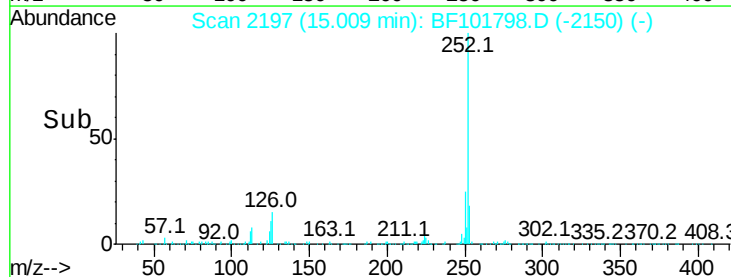
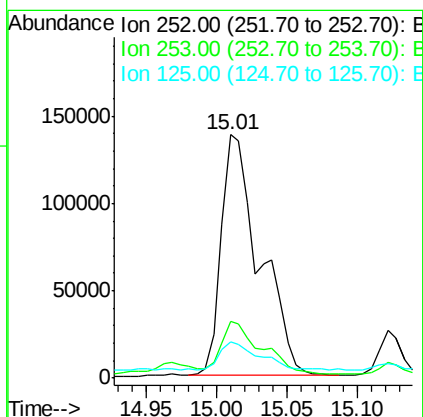
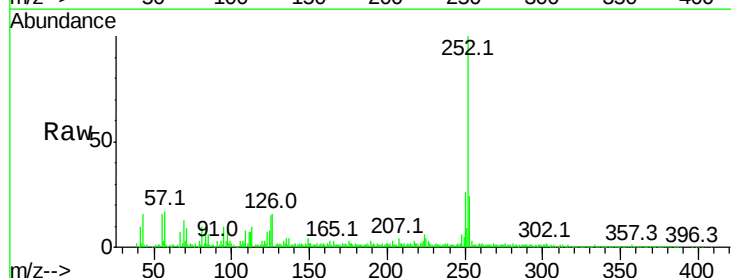
RT: 15.01 min Scan# 2197

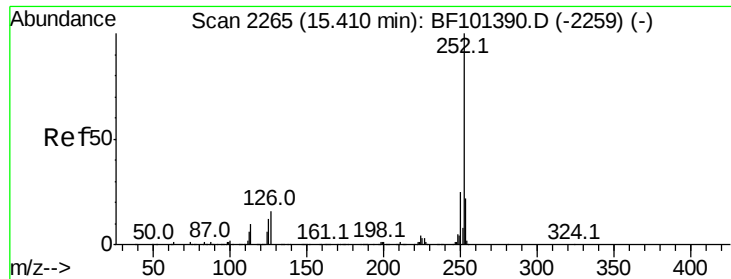
Delta R.T. -0.02 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.8	10.2	15.2

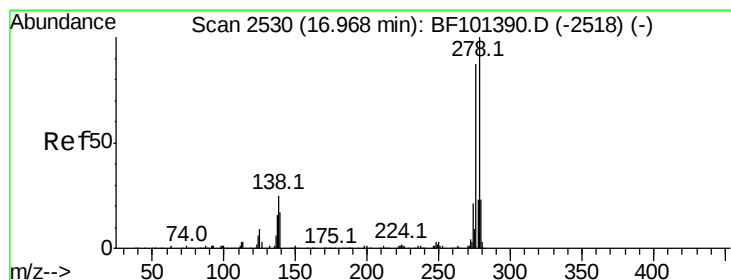
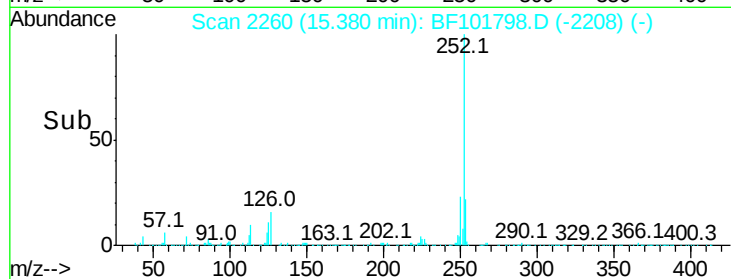
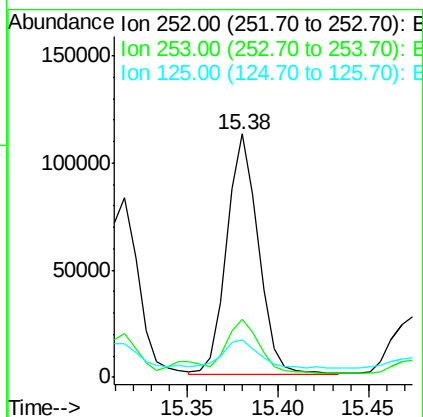
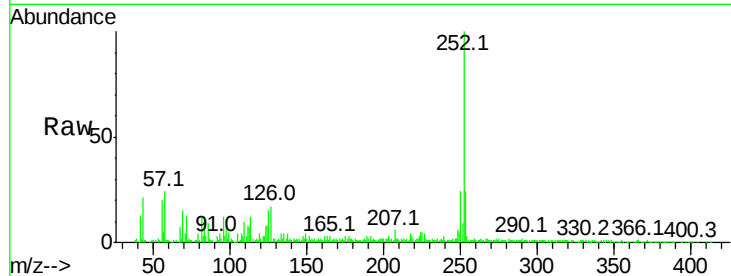




#89
Benzo(a)pyrene
Concen: 9.442 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

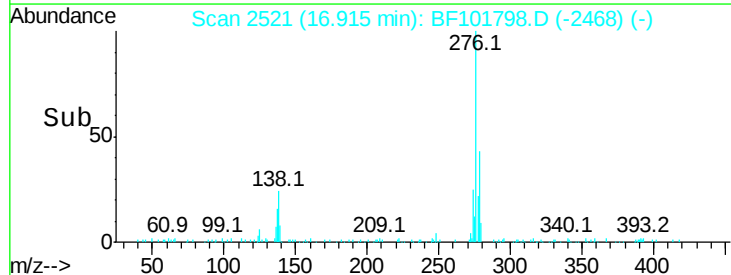
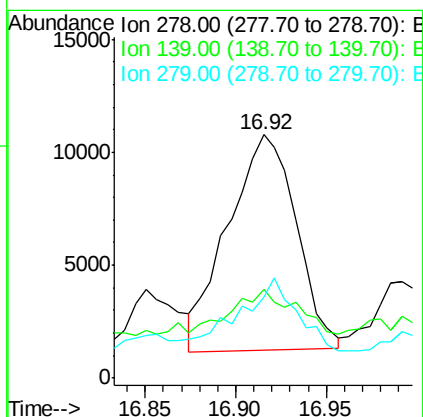
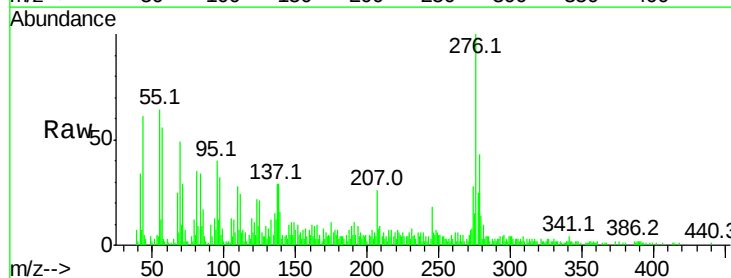
Instrument :
BNA_F
ClientSampleId :

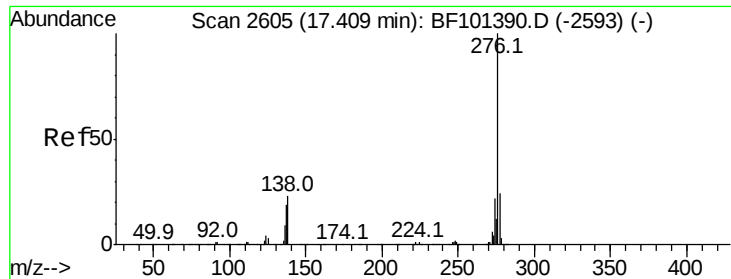
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	15.4	9.8	14.6



#90
Dibenzo(a,h)anthracene
Concen: 2.027 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.6	15.9	23.9
279	33.5	19.0	28.4

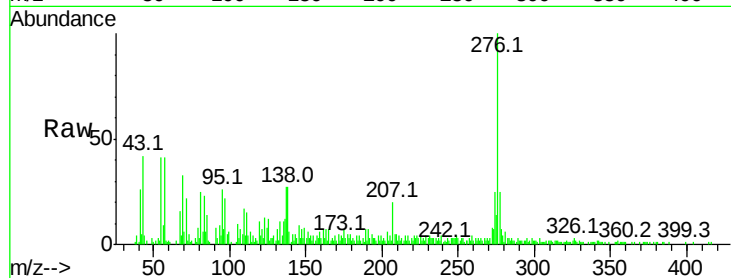




#91
 Benzo(a,h,i)perylene
 Concen: 6.391 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. 0.03 min
 Lab File: BF101798.D
 Acq: 28 Dec 2017 13:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	26.7	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

