

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101796.D
 Acq On : 28 Dec 2017 12:29
 Operator : SJ/JU
 Sample : I7064-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 13:08:44 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	145943	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	566555	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	234461	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	366744	20.00	ng	0.00
75) Chrysene-d12	13.96	240	272825	20.00	ng	0.00
86) Perylene-d12	15.43	264	315895	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1053152	107.49	ng	0.00
7) Phenol-d6	6.43	99	1250640	102.57	ng	0.00
23) Nitrobenzene-d5	7.36	82	765433	75.21	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	220520	97.61	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1086846	71.91	ng	0.00
78) Terphenyl-d14	12.89	244	713467	63.04	ng	0.00

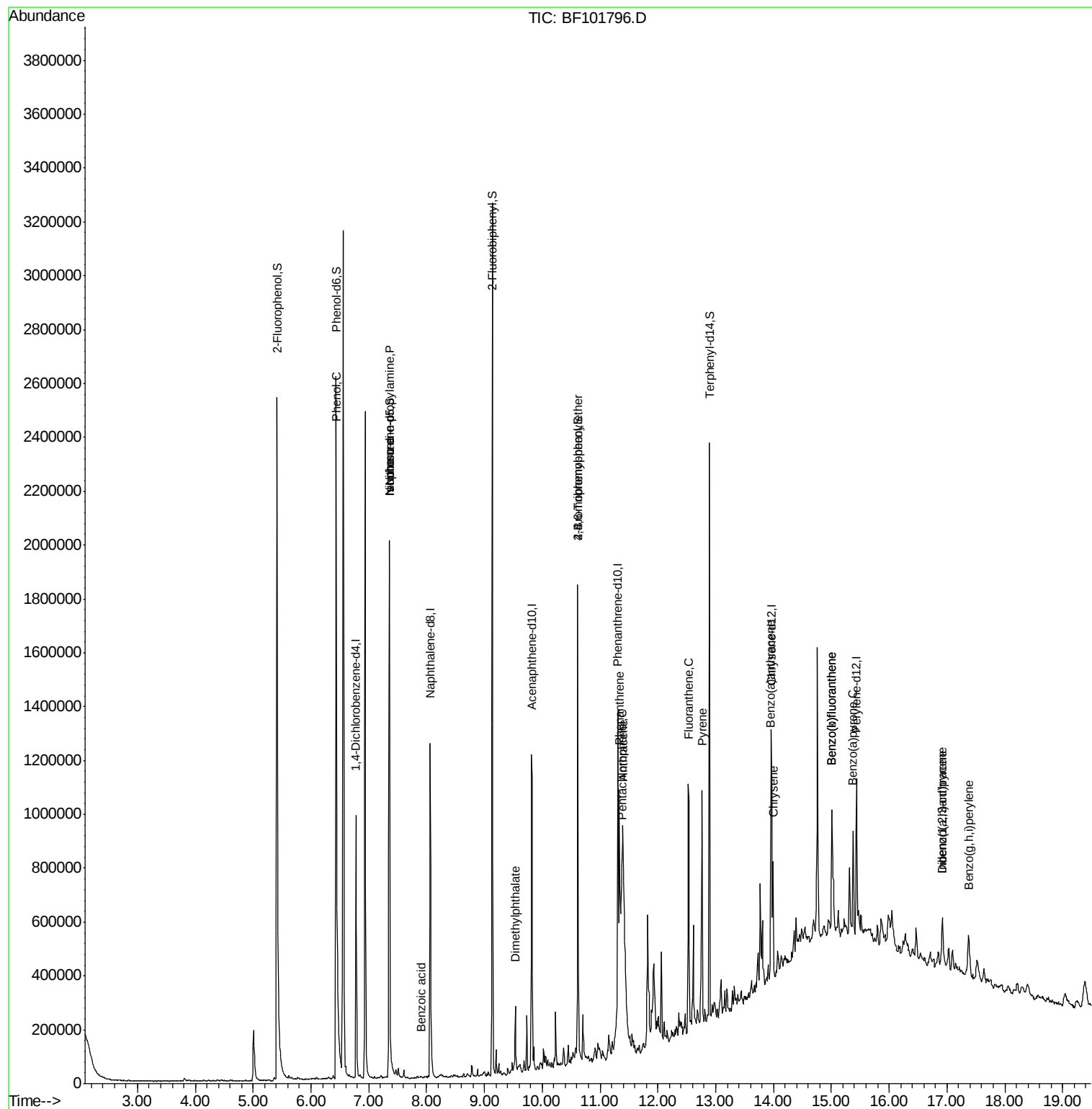
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	57661	4.149	ng	# 52
19) n-Nitroso-di-n-propylamine	7.36	70	103905	12.976	ng	# 80
25) Isophorone	7.36	82	765428	37.489	ng	# 64
32) Benzoic acid	7.90	122	1476	8.183	ng	# 83
49) Dimethylphthalate	9.53	163	93493	4.957	ng	99
66) 4-Bromophenyl-phenylether	10.62	248	13941	3.383	ng	# 1
69) Pentachlorophenol	11.37	266	844	7.014	ng	92
70) Phenanthrene	11.33	178	249444	12.231	ng	99
71) Anthracene	11.39	178	71722	3.443	ng	98
74) Fluoranthene	12.53	202	380386	17.769	ng	99
77) Pyrene	12.76	202	367877	17.967	ng	99
80) Benzo(a)anthracene	13.95	228	199112	11.053	ng	97
82) Chrysene	13.99	228	187566	11.027	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	136130	8.987	ng	# 88
87) Benzo(b)fluoranthene	15.01	252	322012	16.724	ng	98
88) Benzo(k)fluoranthene	15.01	252	322012	17.201	ng	99
89) Benzo(a)pyrene	15.37	252	181386	10.219	ng	95
90) Dibenzo(a,h)anthracene	16.92	278	45024	2.954	ng	# 89
91) Benzo(a,h,i)perylene	17.37	276	122679	8.129	ng	# 94

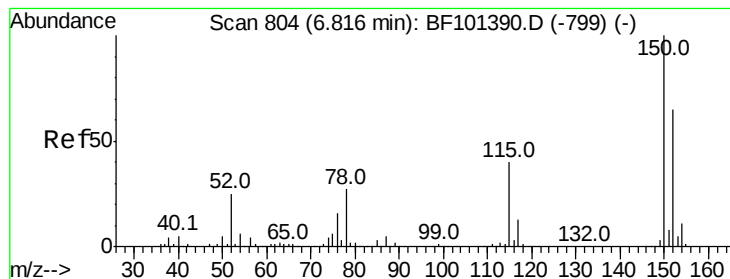
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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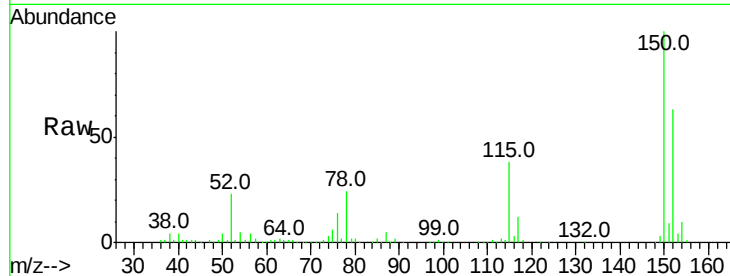


#1

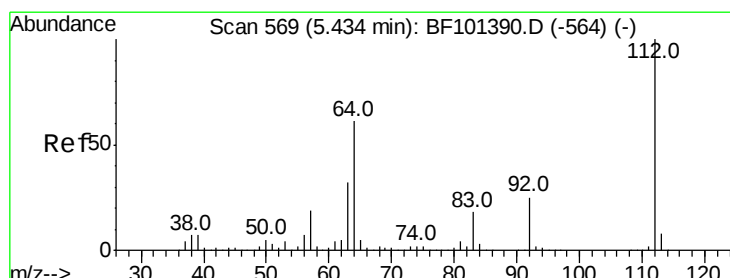
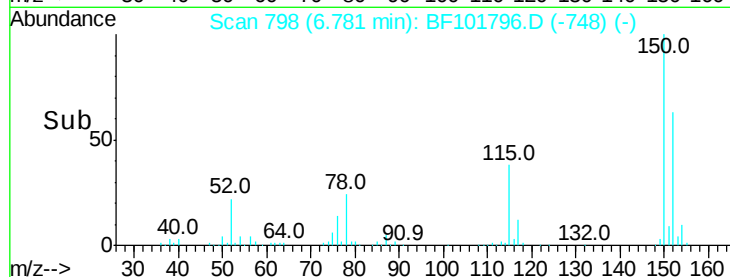
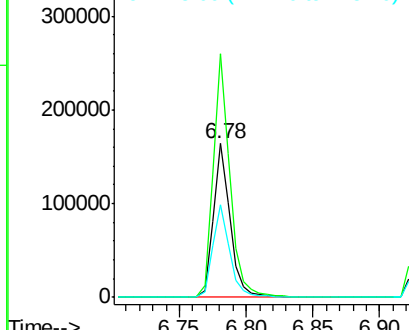
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101796.D
Acq: 28 Dec 2017 12:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145943
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 60.1 50.1 75.1



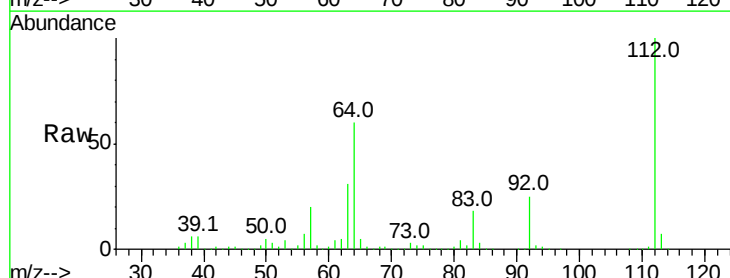
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



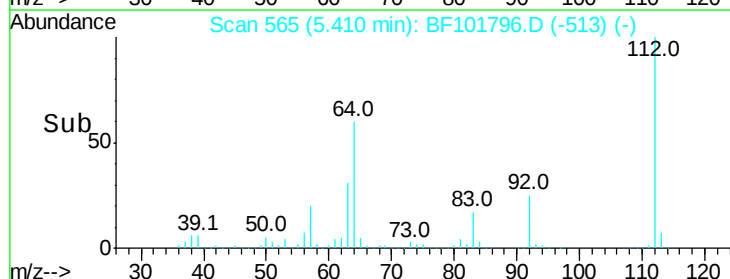
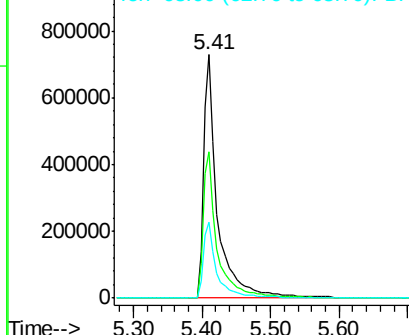
#5

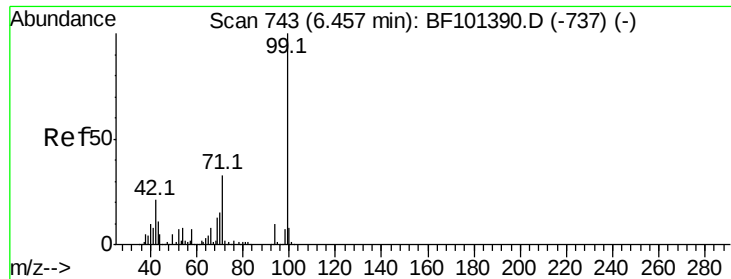
2-Fluorophenol
Concen: 107.491 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101796.D
Acq: 28 Dec 2017 12:29

Tgt Ion:112 Resp: 1053152
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 31.0 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: 102.566 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

Instrument :

BNA_F

ClientSampled :

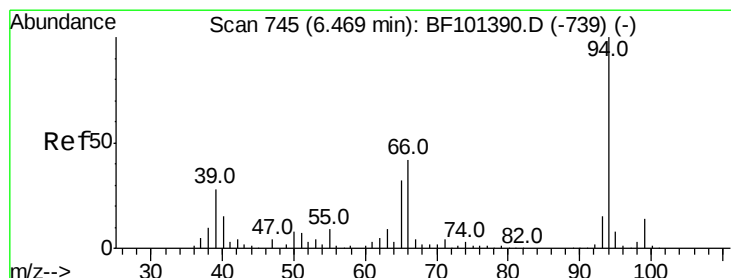
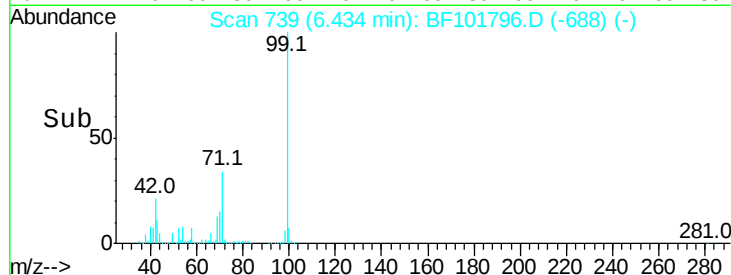
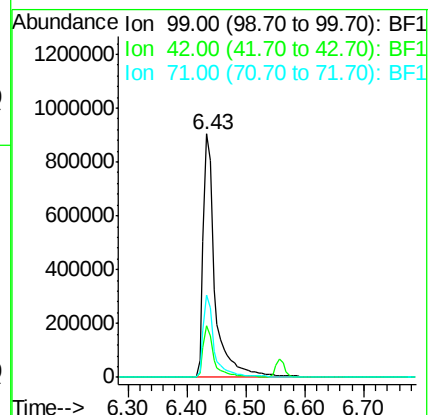
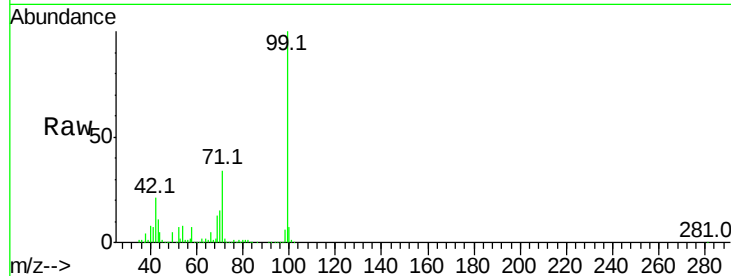
Tot Ion: 99 Resp: 1250640

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

71 33.8 25.4 38.0



#10

Phenol

Concen: 4.149 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

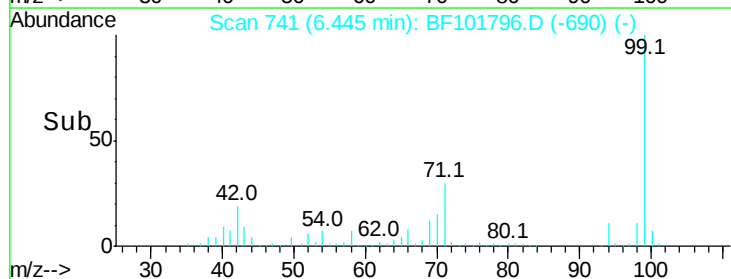
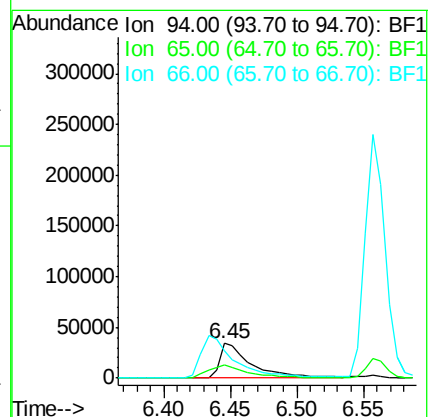
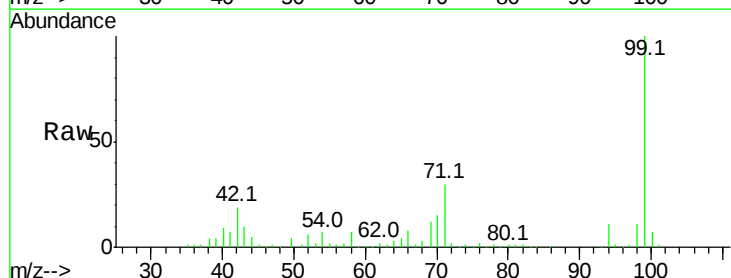
Tgt Ion: 94 Resp: 57661

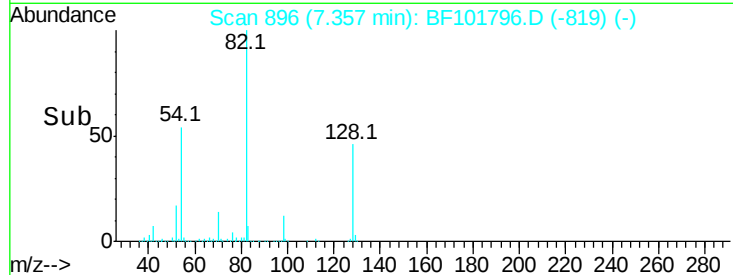
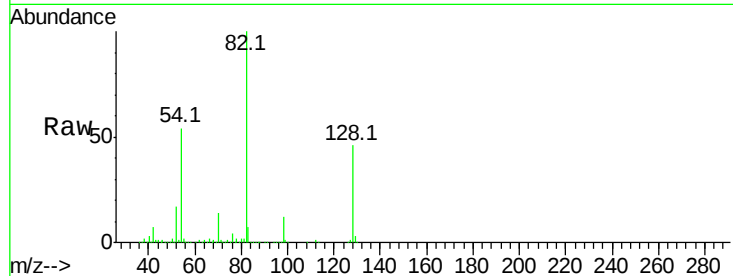
Ion Ratio Lower Upper

94 100

65 38.7 7.9 47.9

66 77.3 16.2 56.2#





#19

n-Nitroso-di-n-propylamine

Concen: 12.976 ng

RT: 7.36 min Scan# 896

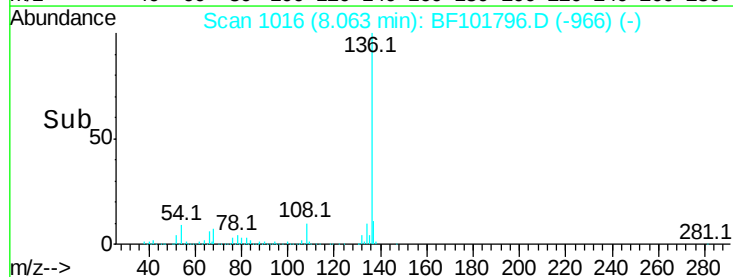
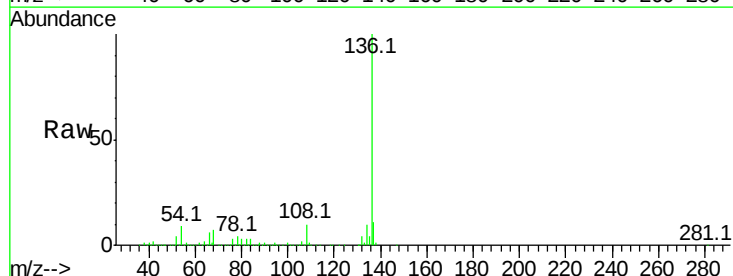
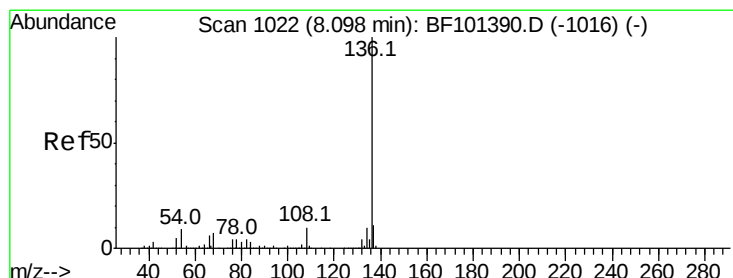
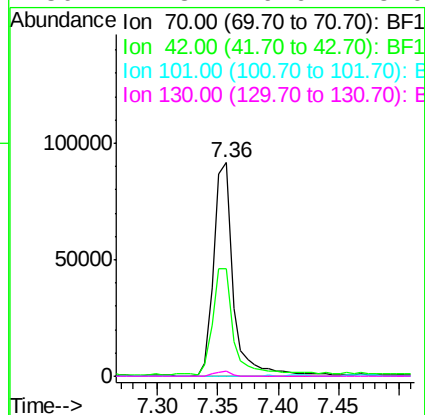
Delta R.T. 0.15 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	103905
Ion	Ratio	Lower	Upper
70	100		
42	50.5	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

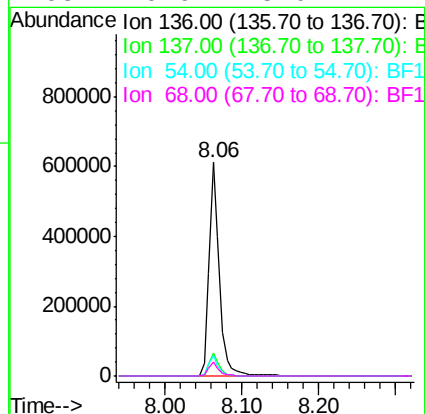
RT: 8.06 min Scan# 1016

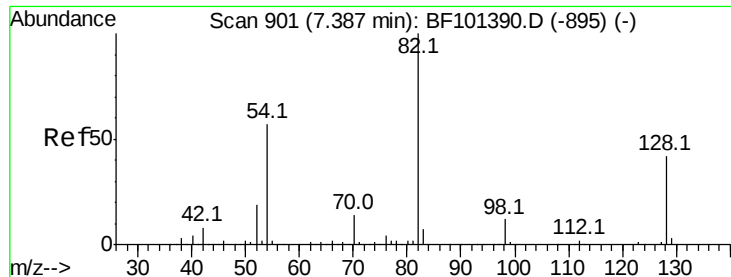
Delta R.T. -0.01 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

Tgt Ion:	136	Resp:	566555
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.4	6.6	9.8
68	6.6	5.0	7.4

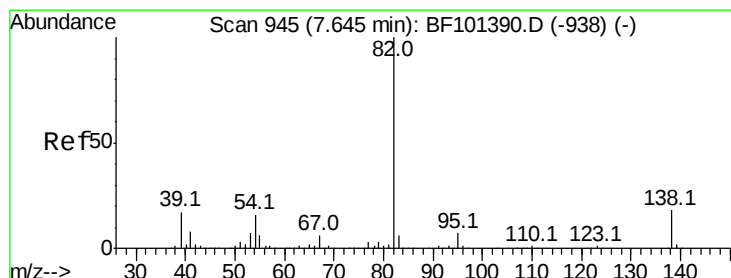
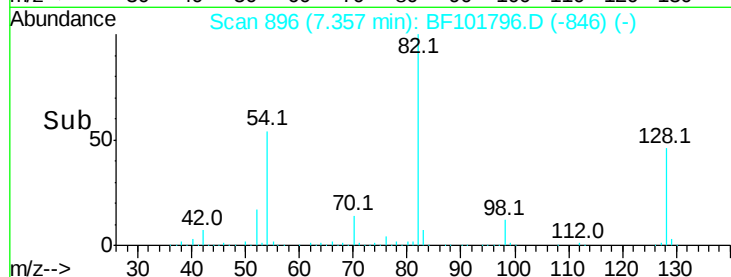
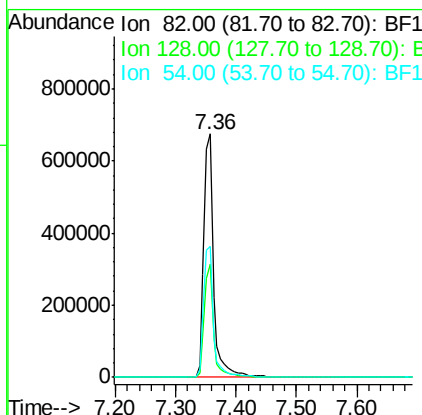
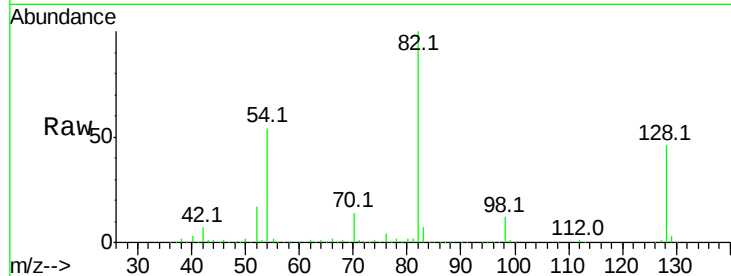




#23
 Nitrobenzene-d5
 Concen: 75.206 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF101796.D
 Acq: 28 Dec 2017 12:29

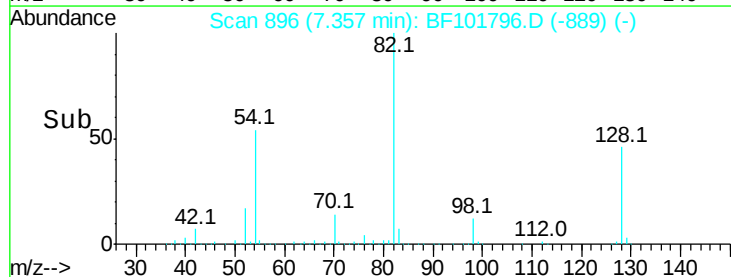
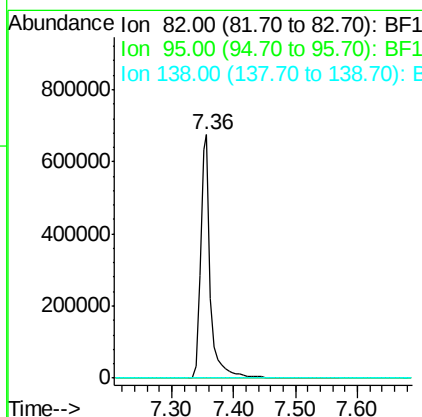
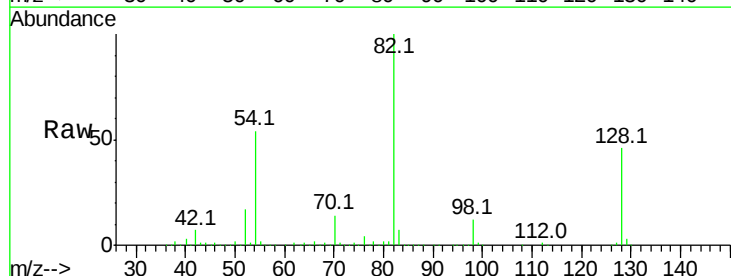
Instrument :
 BNA_F
 ClientSampleId :

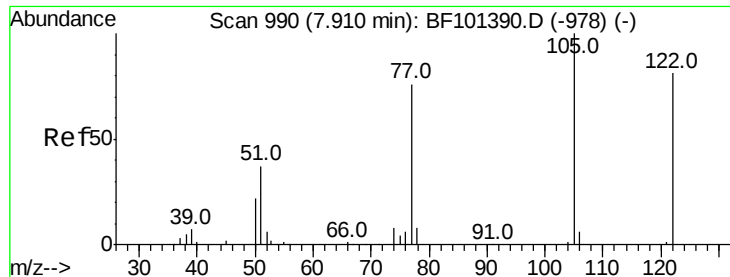
Tot Ion	82	Resp	765433
Ion Ratio	Lower	Upper	
82	100		
128	46.3	36.1	54.1
54	53.9	41.4	62.2



#25
 Isophorone
 Concen: 37.489 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF101796.D
 Acq: 28 Dec 2017 12:29

Tgt Ion	82	Resp	765428
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#





#32

Benzoic acid

Concen: 8.183 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

Instrument :

BNA_F

ClientSampled :

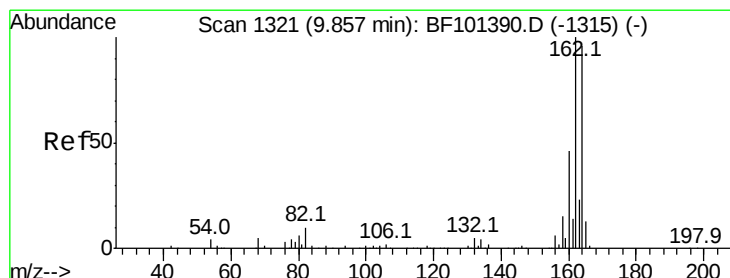
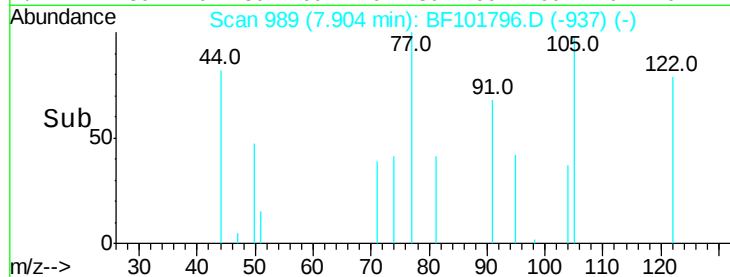
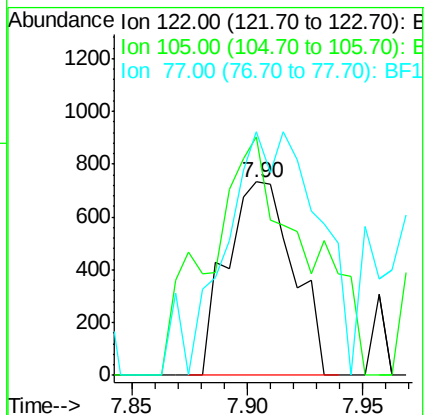
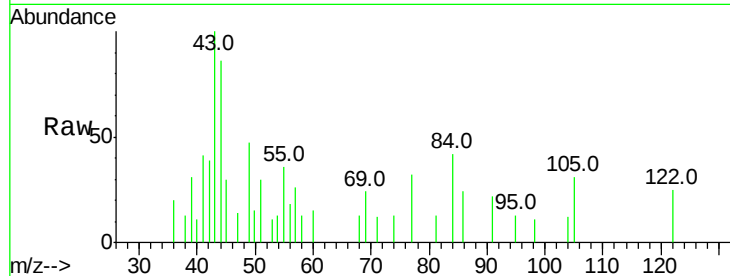
Tot Ion:122 Resp: 1476

Ion Ratio Lower Upper

122 100

105 123.5 101.1 141.1

77 126.0 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

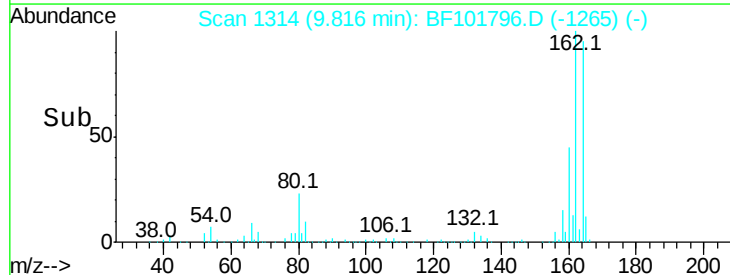
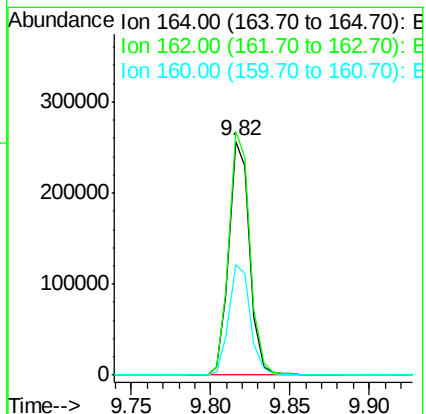
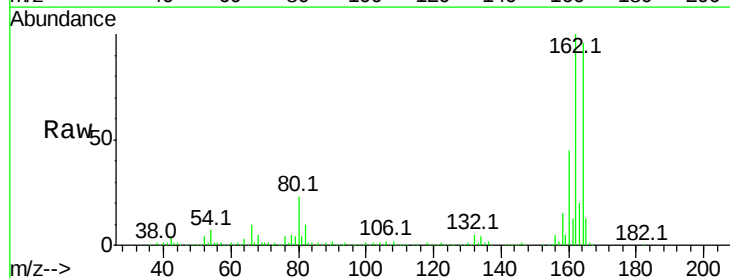
Tgt Ion:164 Resp: 234461

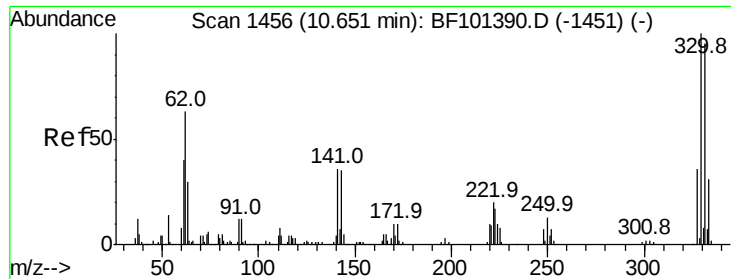
Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

160 47.1 38.3 57.5

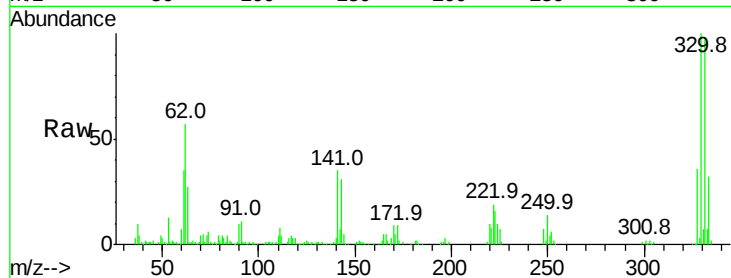




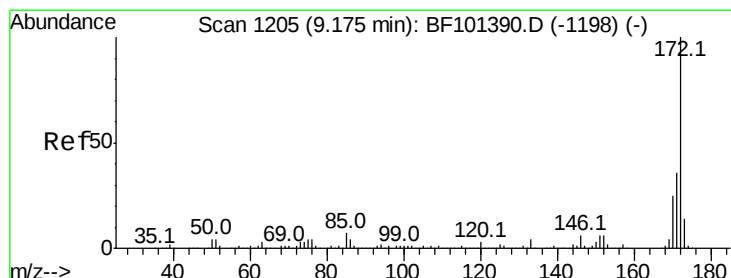
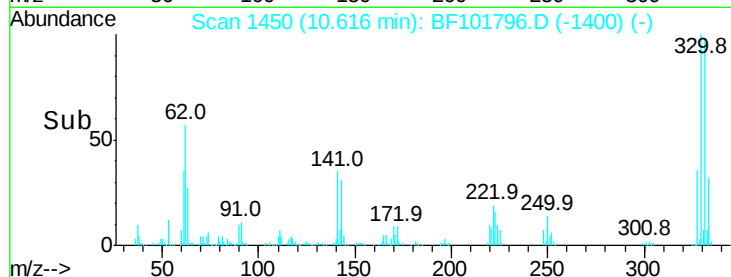
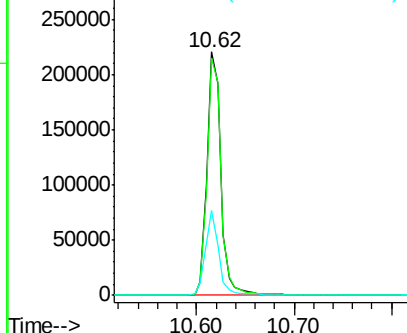
#41
 2,4,6-Tribromophenol
 Concen: 97.609 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF101796.D
 Acq: 28 Dec 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 220520
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 33.6 29.9 44.9

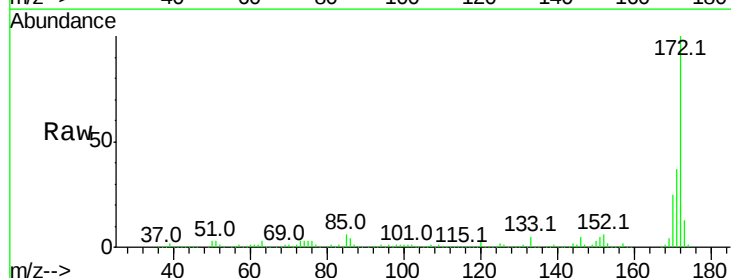


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

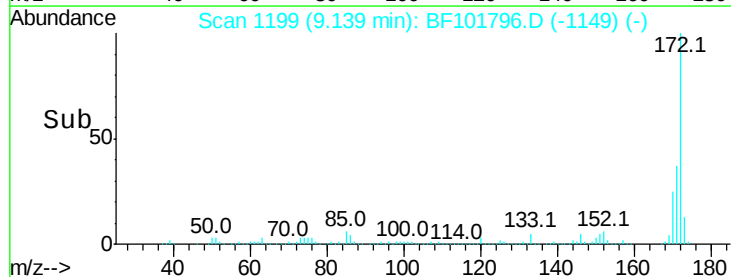
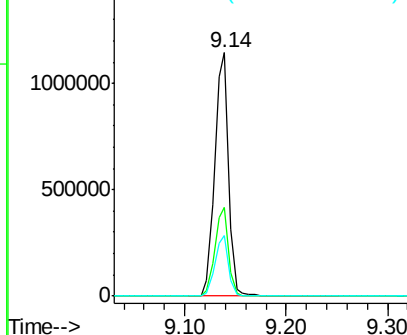


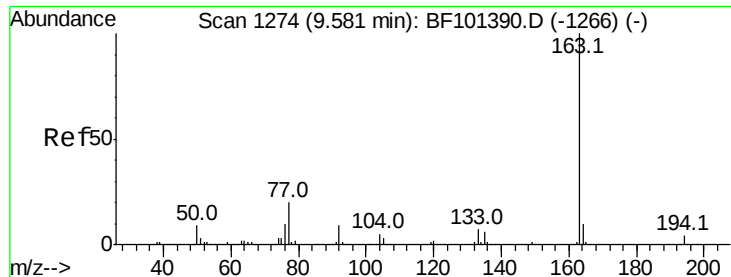
#44
 2-Fluorobiphenyl
 Concen: 71.908 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101796.D
 Acq: 28 Dec 2017 12:29

Tgt Ion:172 Resp: 1086846
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.6 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

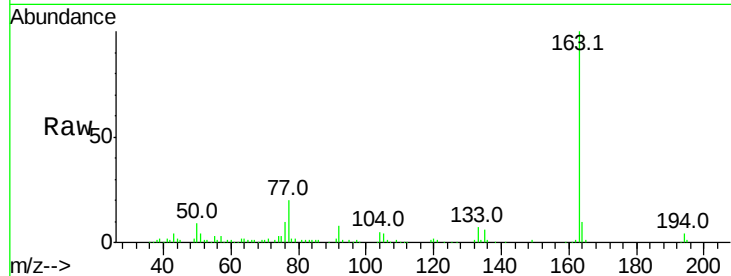




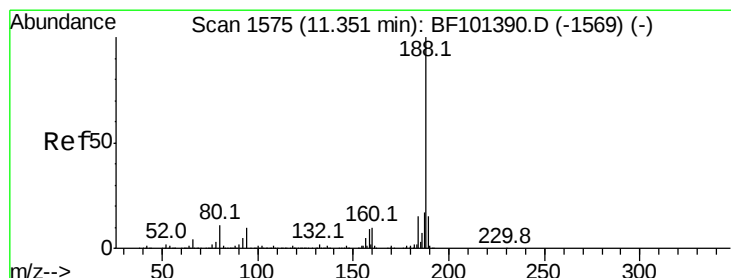
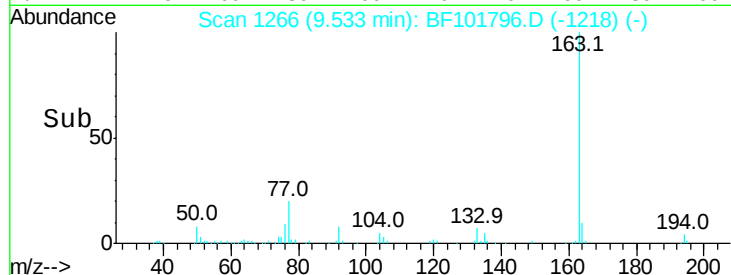
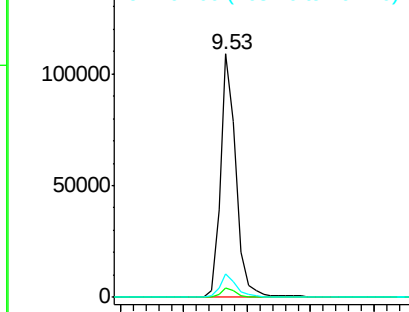
#49
Dimethylphthalate
Concen: 4.957 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF101796.D
Acq: 28 Dec 2017 12:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 93493
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.8 8.2 12.2

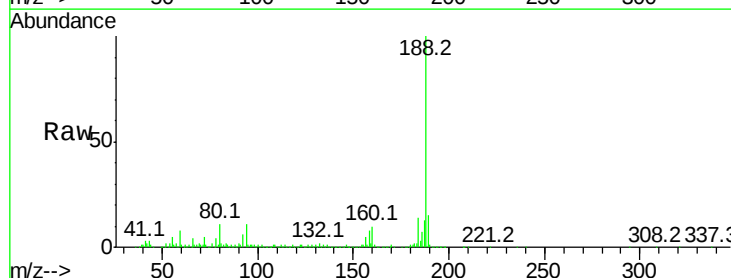


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

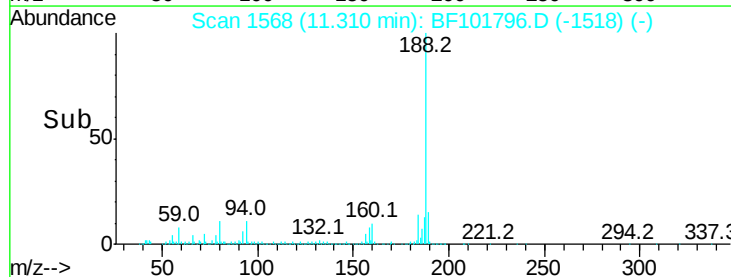
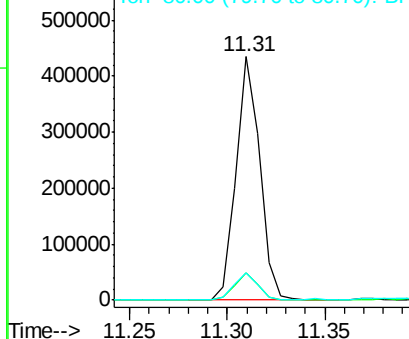


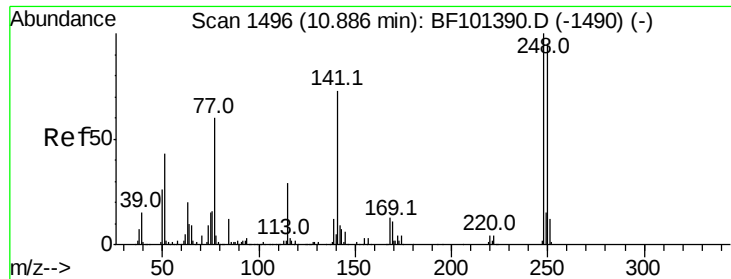
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101796.D
Acq: 28 Dec 2017 12:29

Tgt Ion:188 Resp: 366744
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.3 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

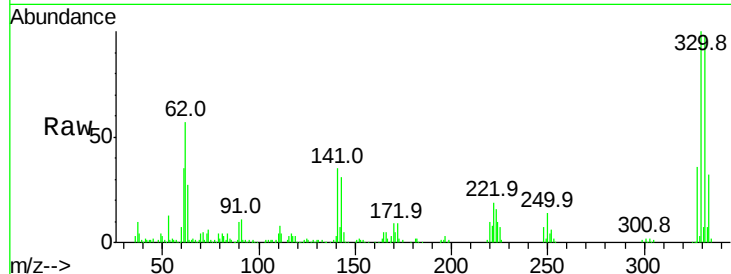




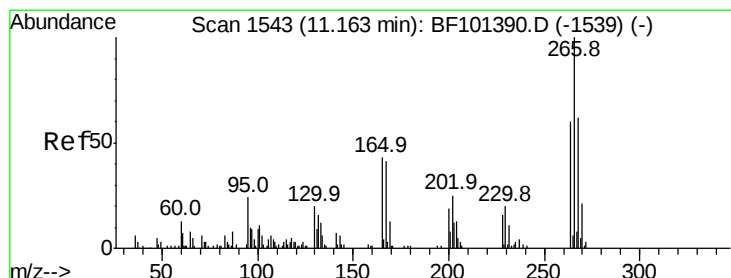
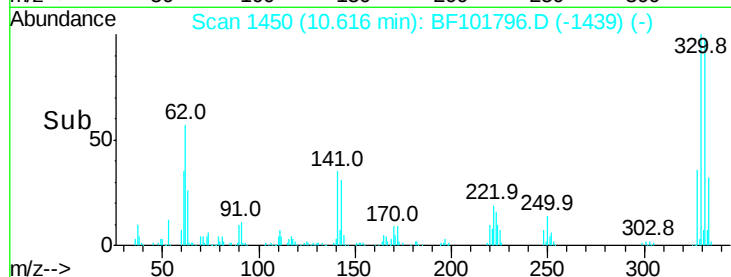
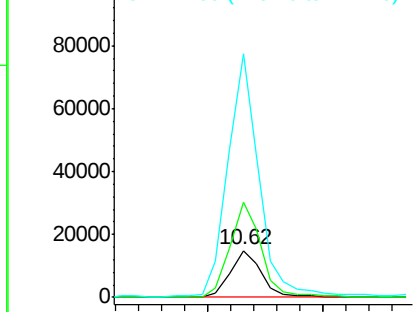
#66
4-Bromophenyl-phenylether
Concen: 3.383 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF101796.D
Acq: 28 Dec 2017 12:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13941
Ion Ratio Lower Upper
248 100
250 202.0 76.9 115.3#
141 517.4 74.4 111.6#

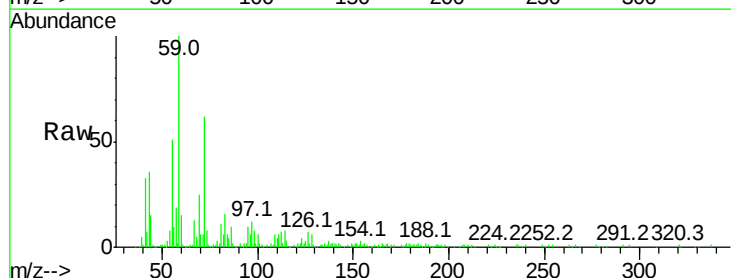


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

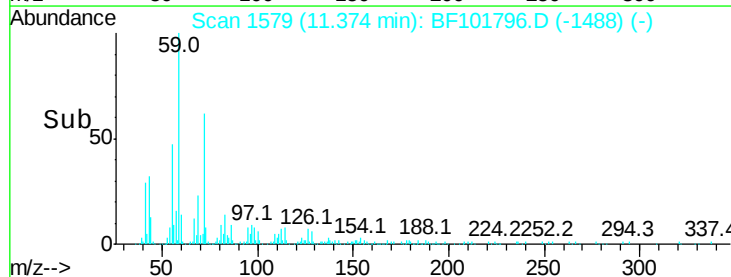
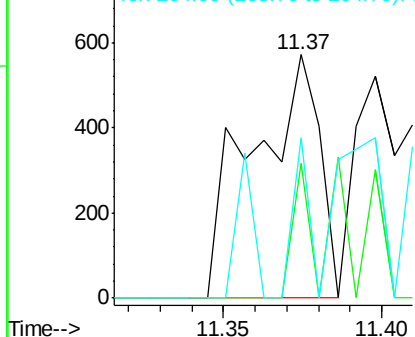


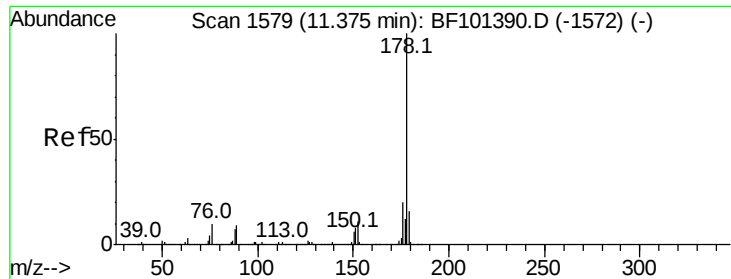
#69
Pentachlorophenol
Concen: 7.014 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.24 min
Lab File: BF101796.D
Acq: 28 Dec 2017 12:29

Tgt Ion:266 Resp: 844
Ion Ratio Lower Upper
266 100
268 55.6 51.1 76.7
264 65.7 49.5 74.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

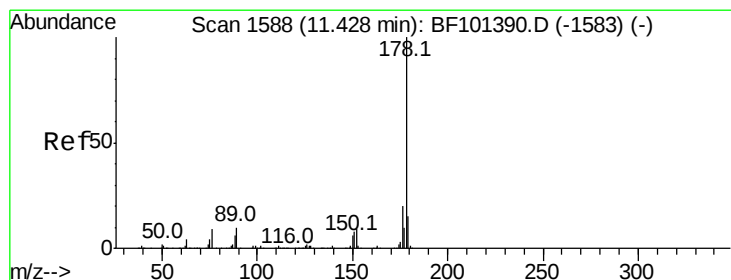
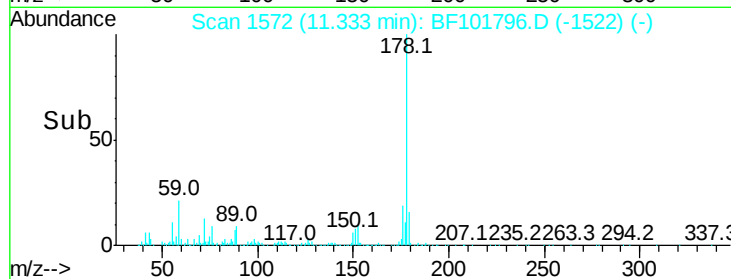
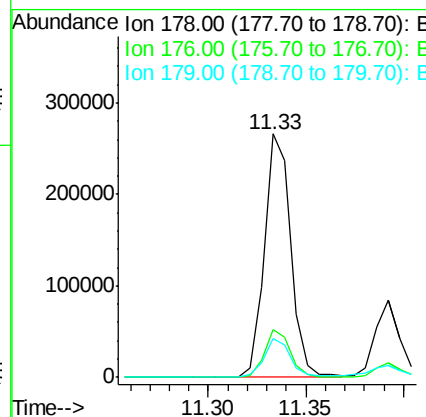
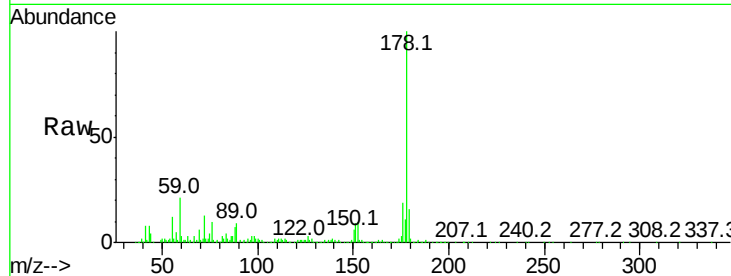




#70
Phenanthrene
Concen: 12.231 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF101796.D
Acq: 28 Dec 2017 12:29

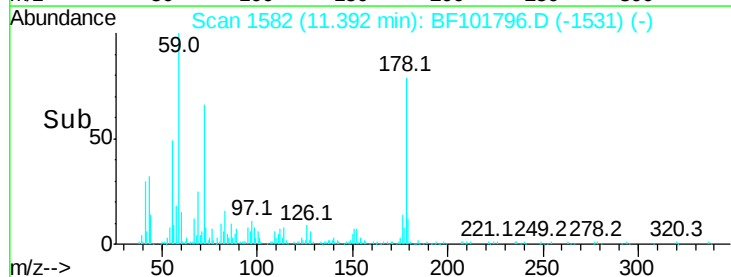
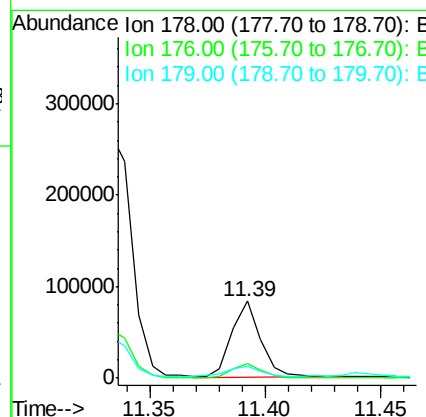
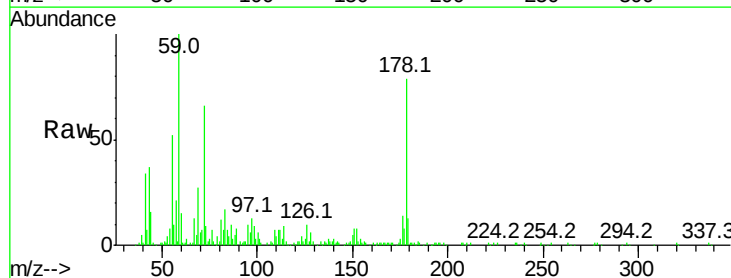
Instrument :
BNA_F
ClientSampleId :

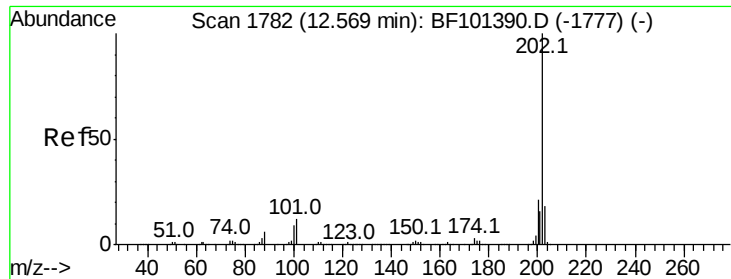
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.2	13.0	19.6



#71
Anthracene
Concen: 3.443 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF101796.D
Acq: 28 Dec 2017 12:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	16.1	12.6	19.0





#74

Fluoranthene

Concen: 17.769 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

Instrument :

BNA_F

ClientSampled :

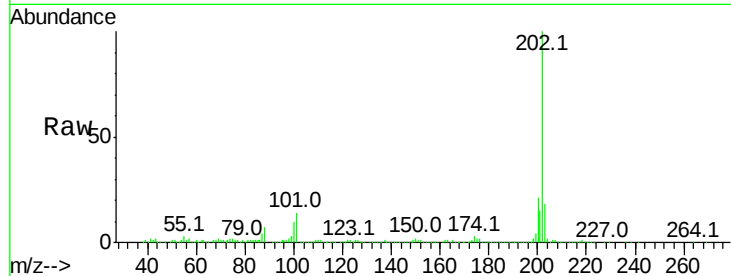
Tot Ion:202 Resp: 380386

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

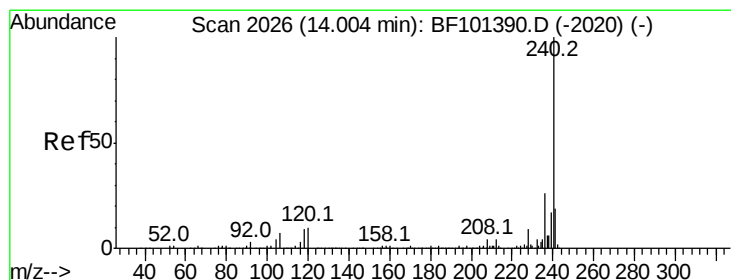
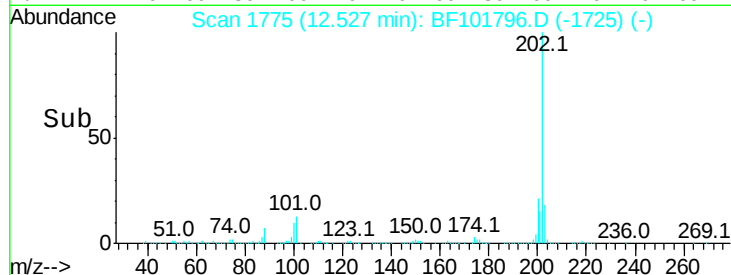
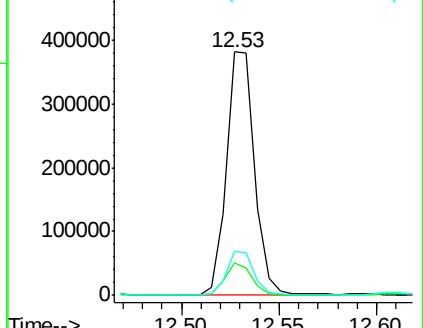
203 18.1 0.0 38.1



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: BF101796.D

Acq: 28 Dec 2017 12:29

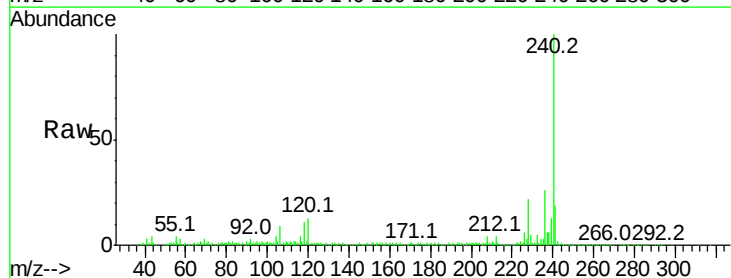
Tgt Ion:240 Resp: 272825

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

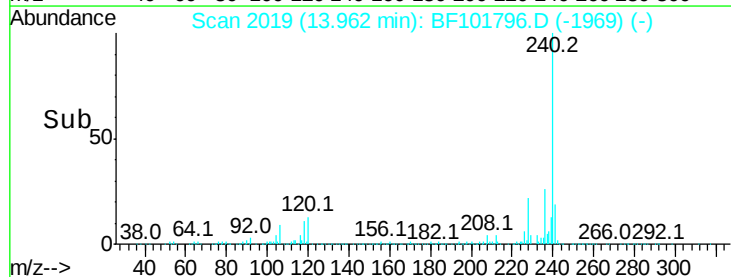
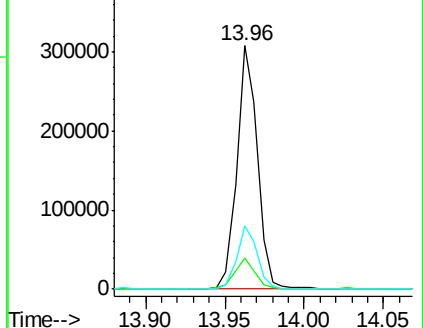
236 26.0 20.7 31.1

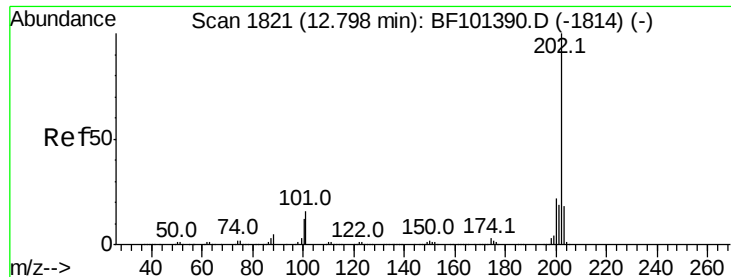


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.967 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

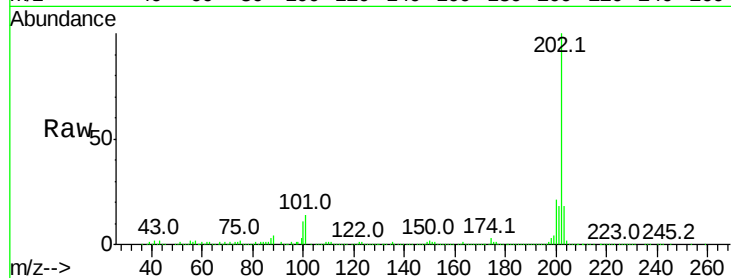
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 367877

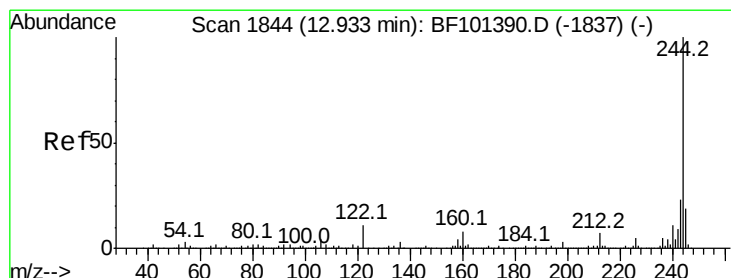
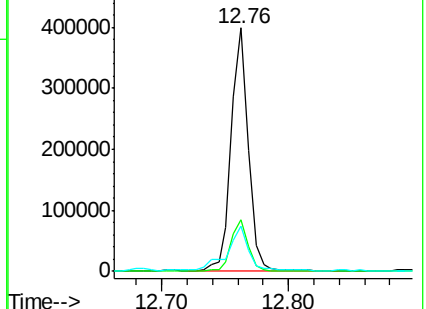
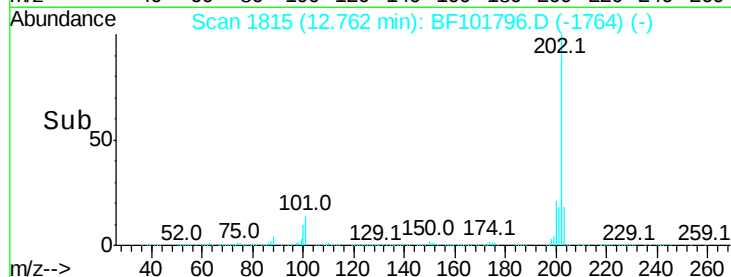
Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	18.3	14.3	21.5



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: 63.044 ng

RT: 12.89 min Scan# 1837

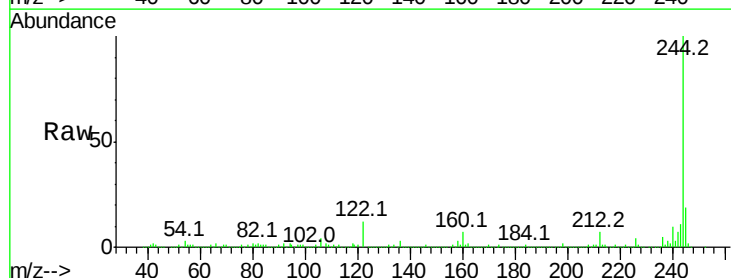
Delta R.T. -0.01 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

Tgt Ion:244 Resp: 713467

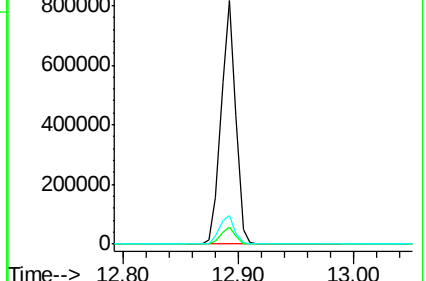
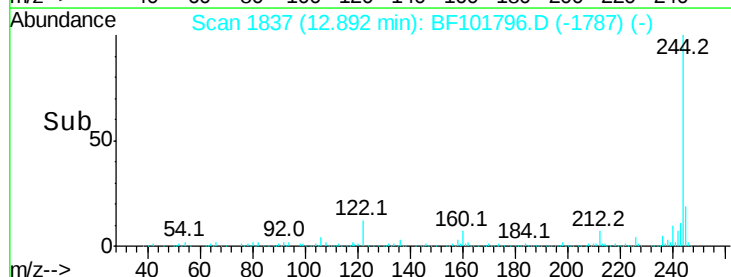
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.6	11.0	16.4

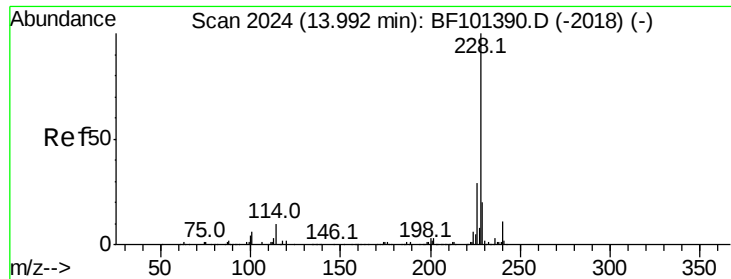


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.053 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

Instrument :

BNA_F

ClientSampleId :

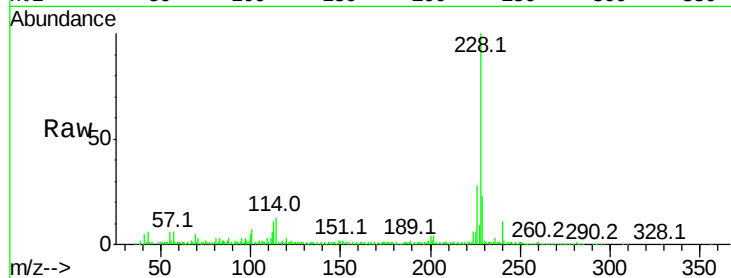
Tot Ion:228 Resp: 199112

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

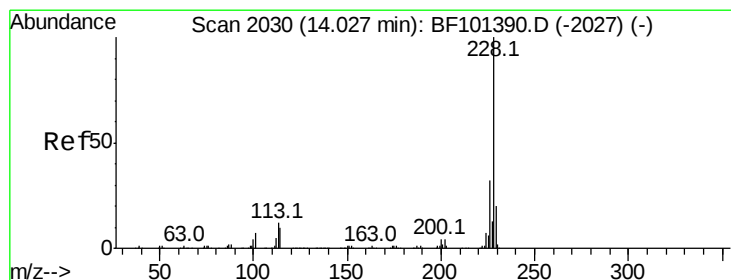
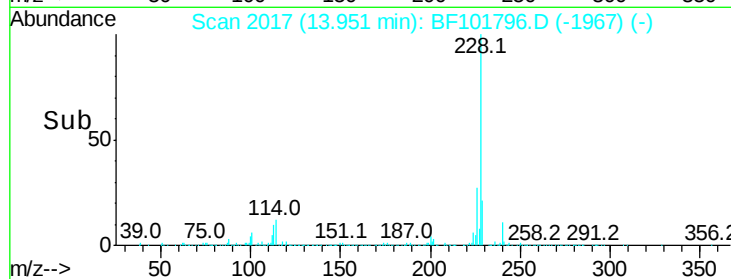
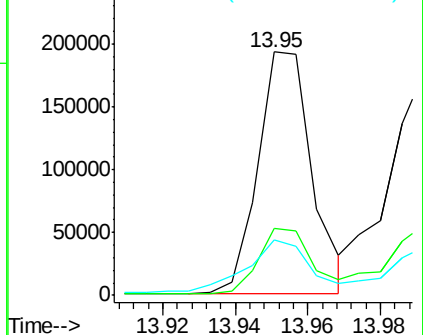
229 22.7 15.8 23.6



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: 11.027 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

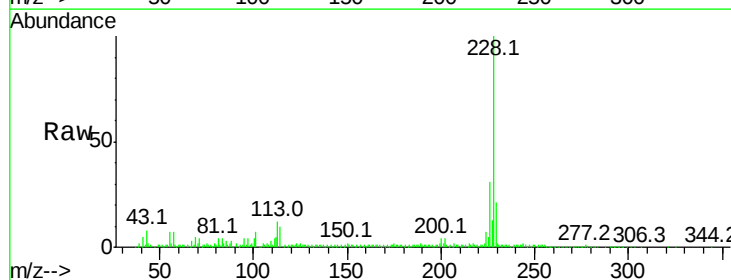
Tgt Ion:228 Resp: 187566

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

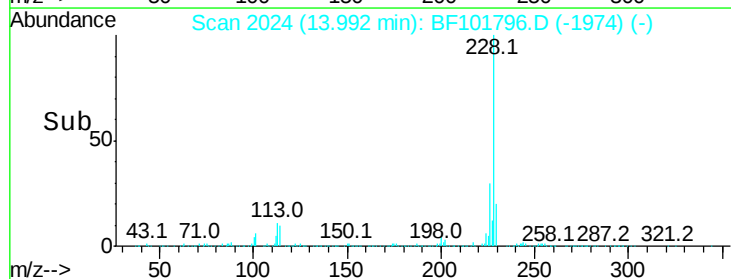
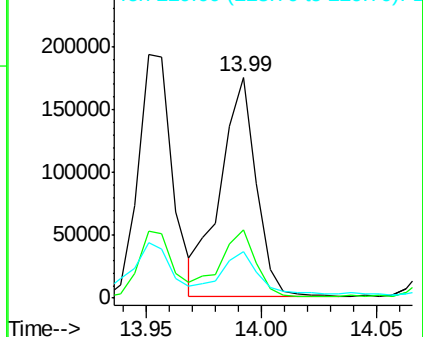
229 21.3 16.2 24.4

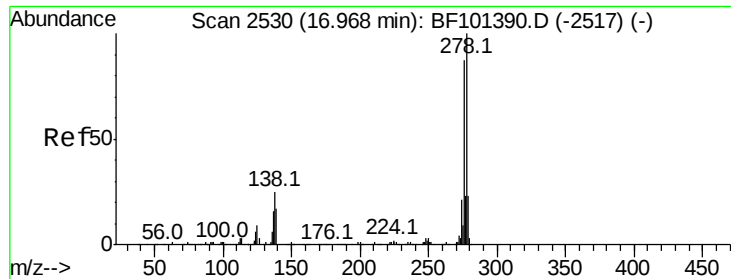


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

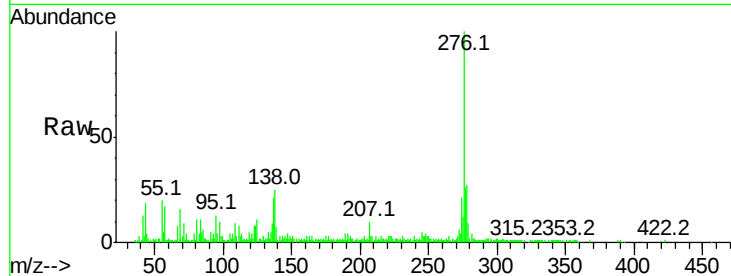




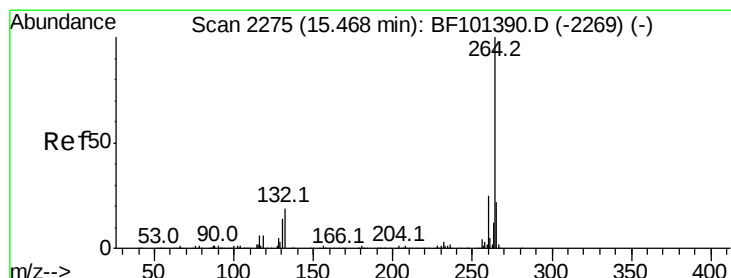
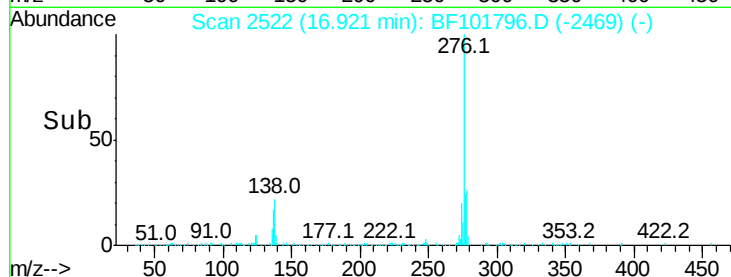
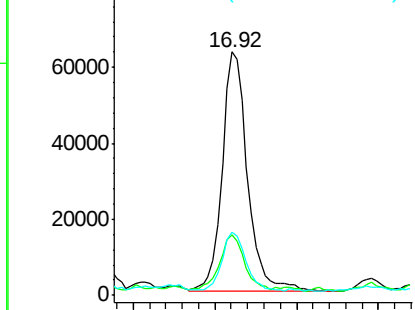
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.987 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. 0.01 min
 Lab File: BF101796.D
 Acq: 28 Dec 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	25.0	37.6#
277	23.1	20.1	30.1

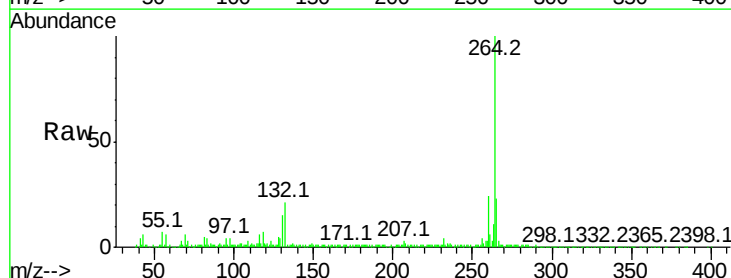


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

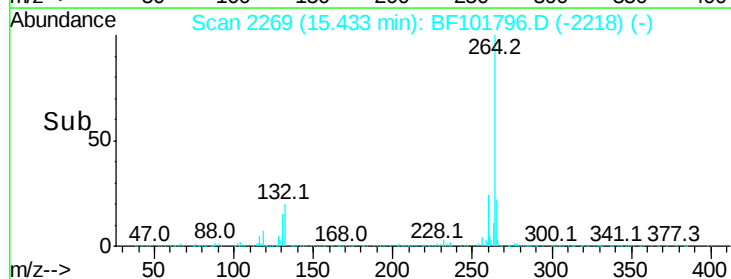
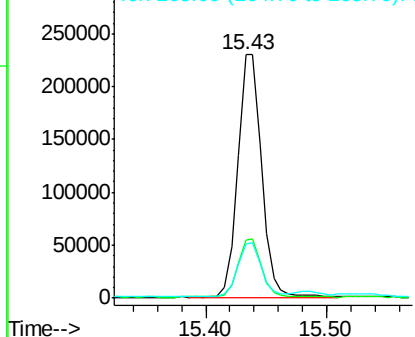


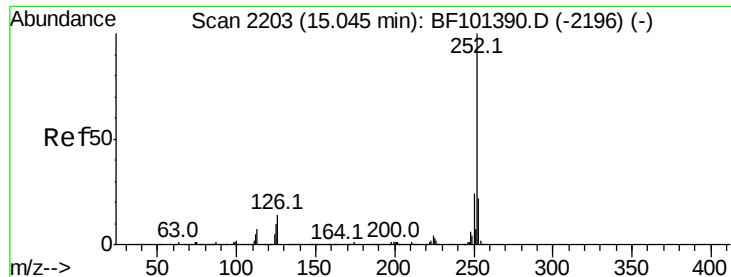
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: BF101796.D
 Acq: 28 Dec 2017 12:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.5	17.5	26.3



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





#87

Benzo(b)fluoranthene

Concen: 16.724 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

Instrument :

BNA_F

ClientSampleId :

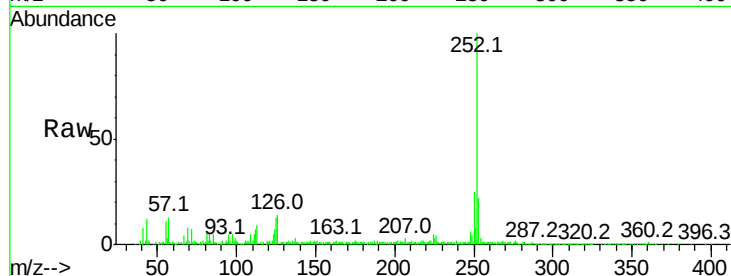
Tot Ion:252 Resp: 322012

Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

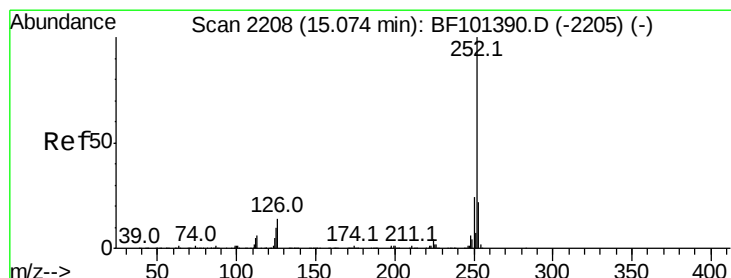
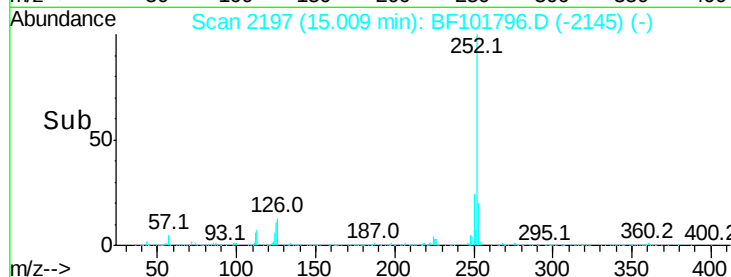
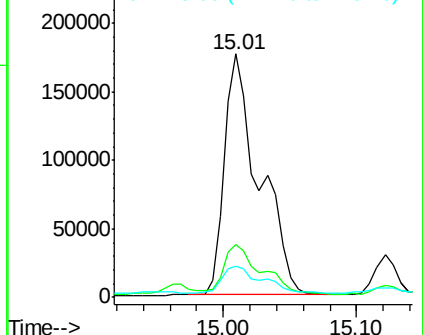
125 12.9 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 17.201 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

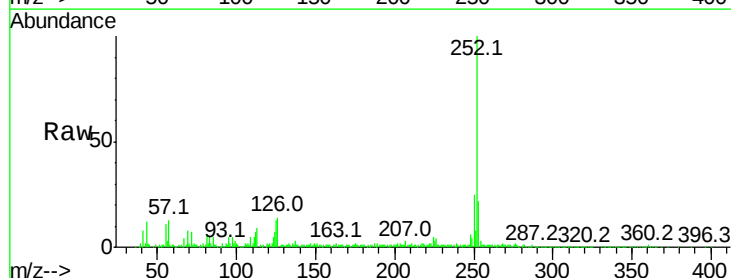
Tgt Ion:252 Resp: 322012

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

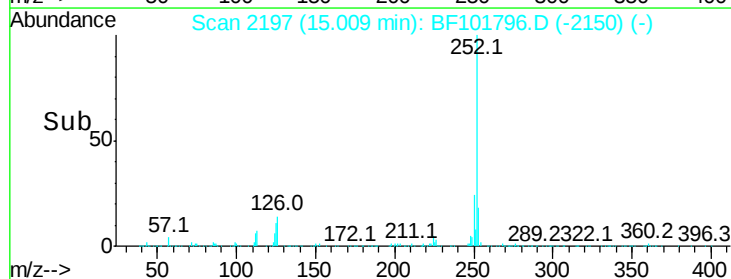
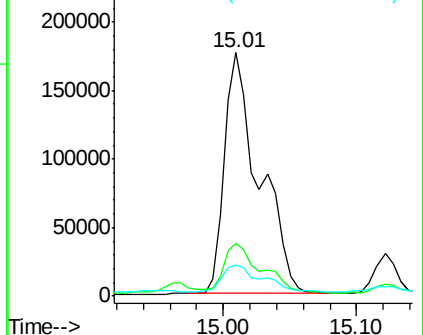
125 12.9 10.2 15.2

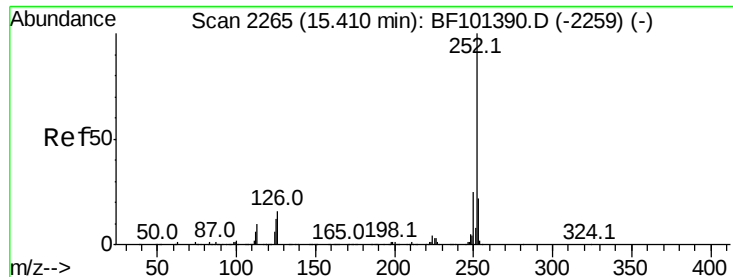


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.219 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

Instrument :

BNA_F

ClientSampleId :

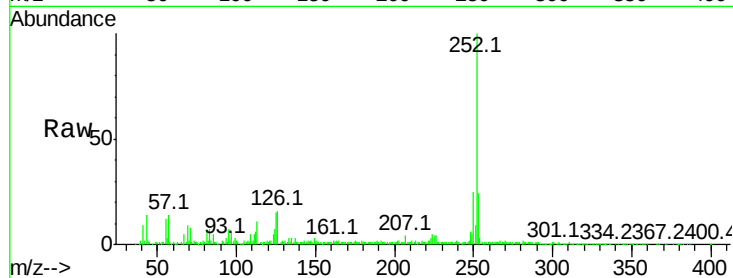
Tot Ion:252 Resp: 181386

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	14.5	9.8	14.6

252 100

253 23.6 17.1 25.7

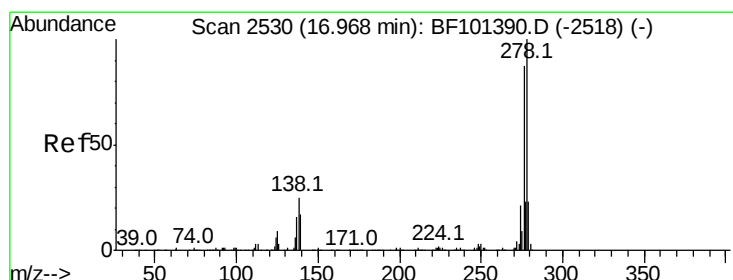
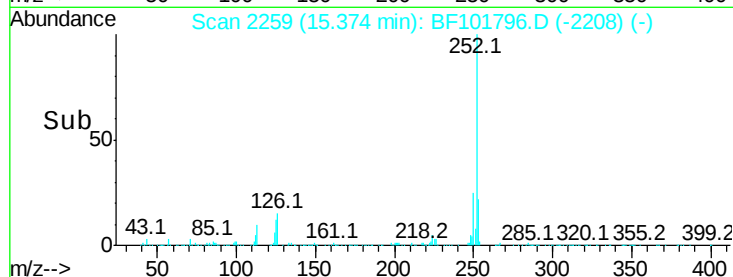
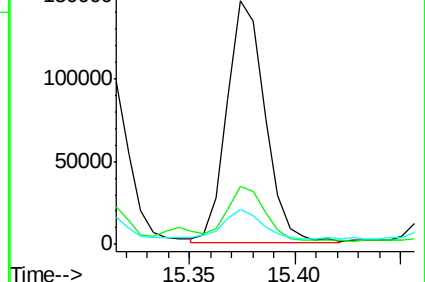
125 14.5 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.954 ng

RT: 16.92 min Scan# 2521

Delta R.T. 0.01 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

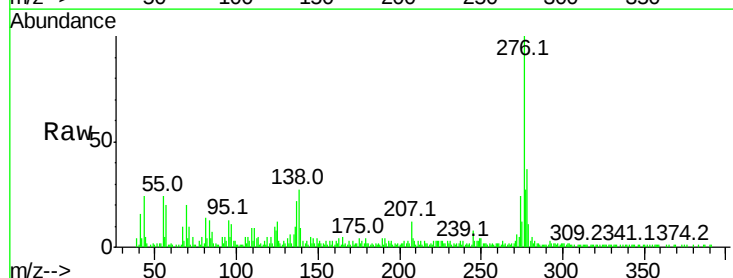
Tgt Ion:278 Resp: 45024

Ion	Ratio	Lower	Upper
278	100		
139	25.1	15.9	23.9#
279	28.6	19.0	28.4#

278 100

139 25.1 15.9 23.9#

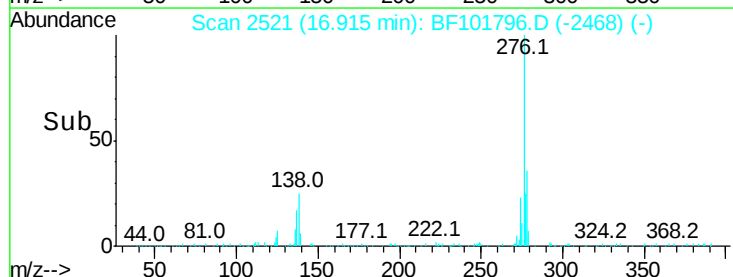
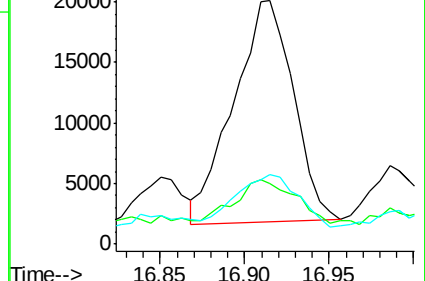
279 28.6 19.0 28.4#

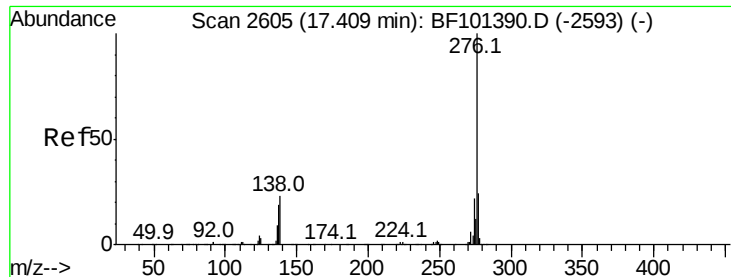


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.129 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.02 min

Lab File: BF101796.D

Acq: 28 Dec 2017 12:29

Instrument :

BNA_F

ClientSampleId :

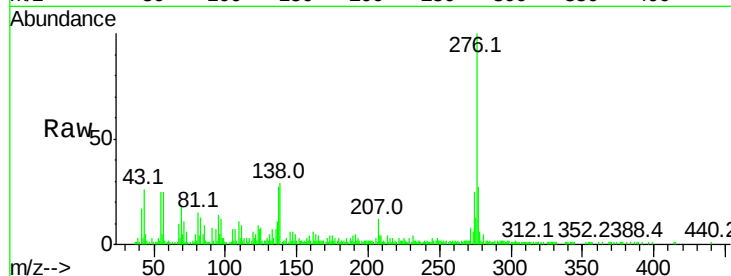
Tot Ion:276 Resp: 122679

Ion Ratio Lower Upper

276 100

277 27.4 17.9 26.9#

138 28.8 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

