

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098101.D
 Acq On : 29 Aug 2017 7:58
 Operator : SJ/JU
 Sample : I4961-08
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 09:33:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	109134	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	429362	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	185410	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	343715	20.00	ng	0.00
75) Chrysene-d12	13.89	240	266861	20.00	ng	0.00
86) Perylene-d12	15.31	264	273699	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	917746	127.91	ng	0.00
7) Phenol-d6	6.38	99	1251050	128.33	ng	0.00
23) Nitrobenzene-d5	7.30	82	769915	97.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	216395	134.51	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1033775	81.92	ng	-0.01
78) Terphenyl-d14	12.84	244	802438	62.71	ng	0.00

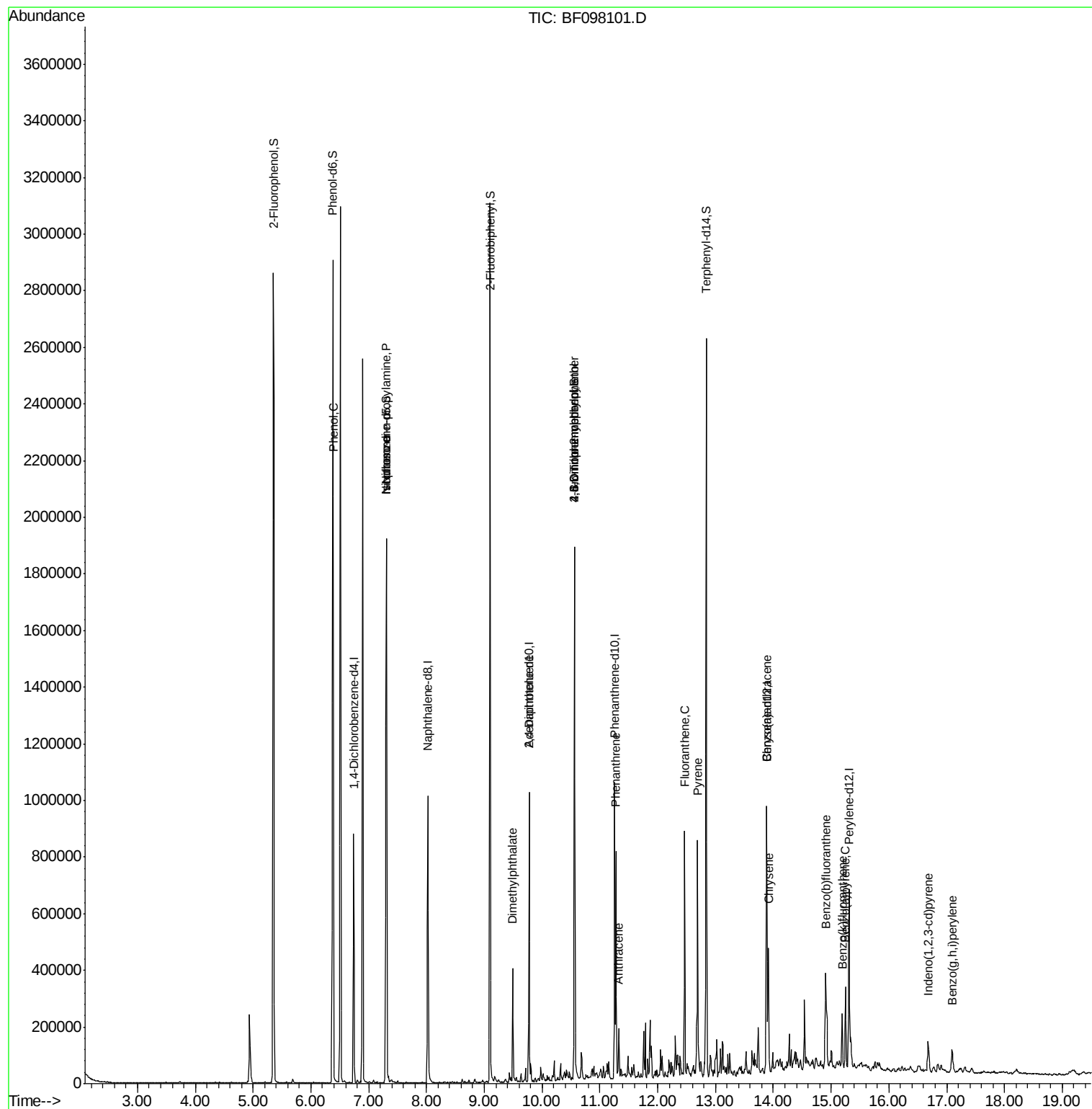
Target Compounds				Qvalue		
10) Phenol	6.39	94	40916	3.589	ng	89
19) n-Nitroso-di-n-propylamine	7.30	70	102568	15.370	ng	# 72
25) Isophorone	7.30	82	759070	46.188	ng	# 67
49) Dimethylphthalate	9.49	163	138280	10.203	ng	100
56) 2,4-Dinitrotoluene	9.77	165	23279	6.857	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	508	8.580	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	14373	4.027	ng	# 1
70) Phenanthrene	11.28	178	263810	14.404	ng	99
71) Anthracene	11.33	178	58913	3.171	ng	98
74) Fluoranthene	12.46	202	339663	17.767	ng	98
77) Pyrene	12.69	202	328428	15.047	ng	97
80) Benzo(a)anthracene	13.88	228	155504	9.723	ng	99
82) Chrysene	13.92	228	158177	9.942	ng	98
85) Indeno(1,2,3-cd)pyrene	16.68	276	70665	6.038	ng	# 87
87) Benzo(b)fluoranthene	14.90	252	224353	13.004	ng	98
88) Benzo(k)fluoranthene	15.19	252	80515	4.967	ng	99
89) Benzo(a)pyrene	15.25	252	131699	8.623	ng	97
91) Benzo(g,h,i)perylene	17.10	276	63931	4.928	ng	93

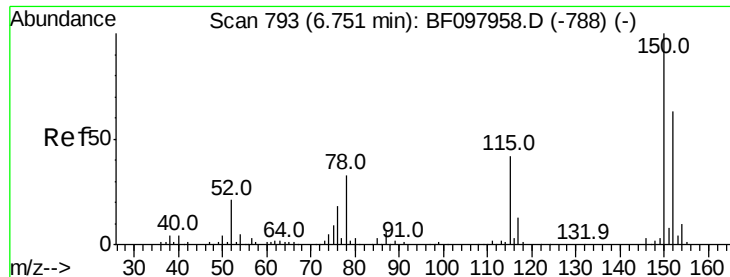
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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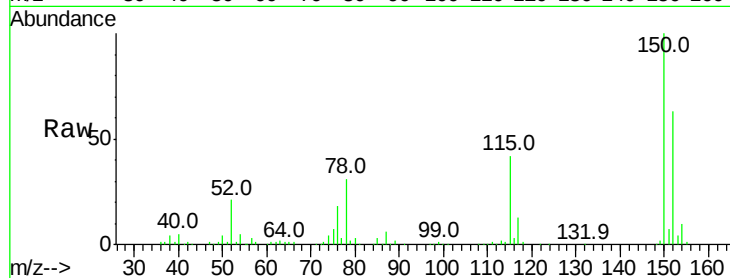


#1

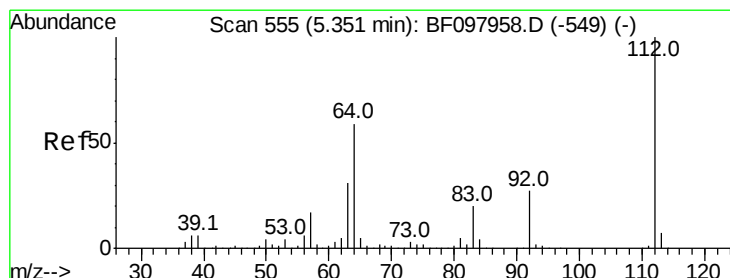
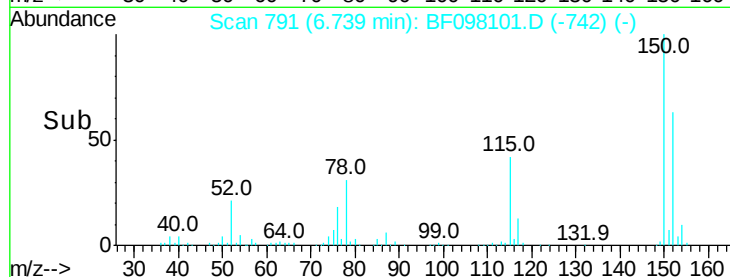
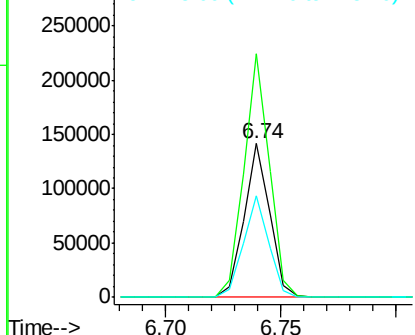
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 109134
Ion Ratio Lower Upper
152 100
150 158.4 126.2 189.2
115 66.5 52.2 78.2



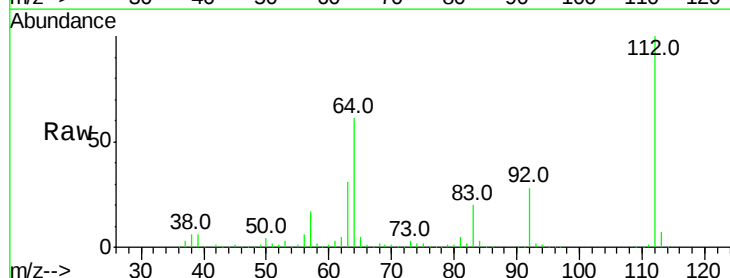
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



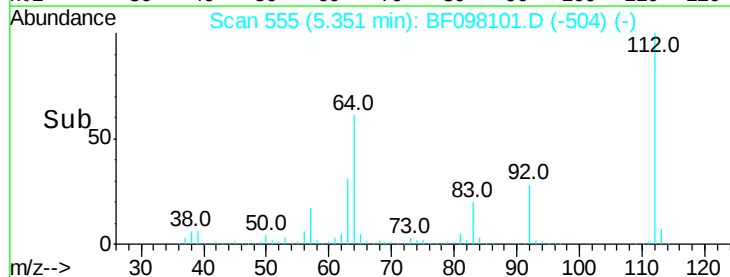
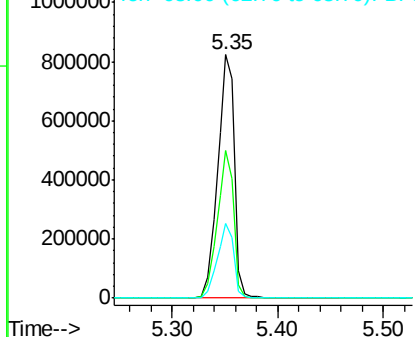
#5

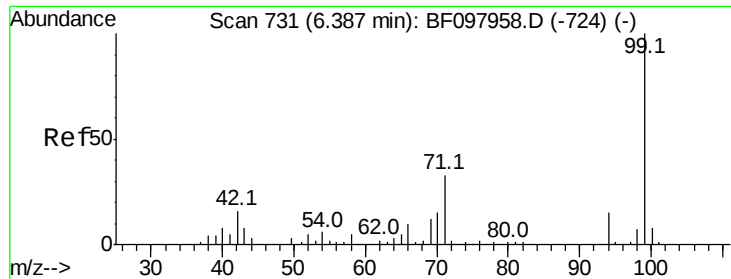
2-Fluorophenol
Concen: 127.912 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

Tgt Ion:112 Resp: 917746
Ion Ratio Lower Upper
112 100
64 60.7 46.0 69.0
63 30.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 128.333 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

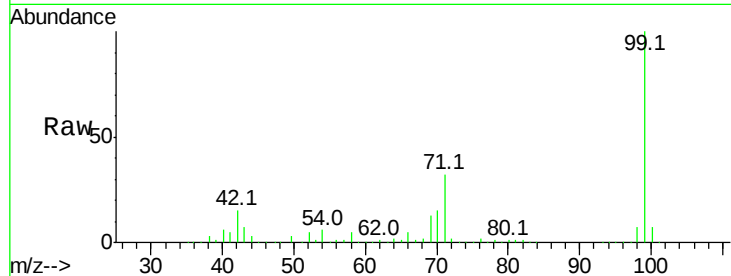
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1251050

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.5	20.3
71	32.2	24.5	36.7

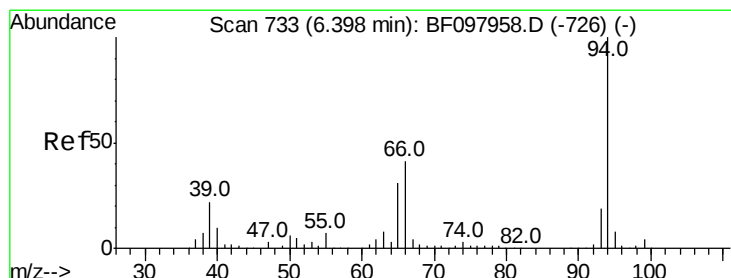
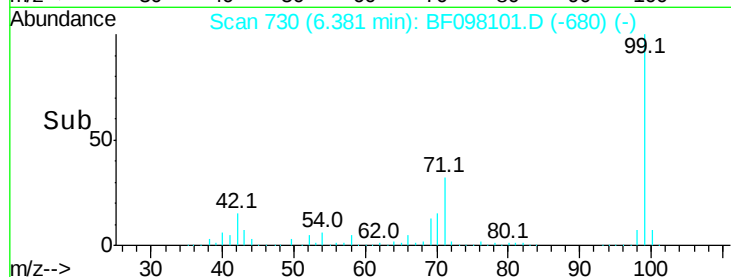
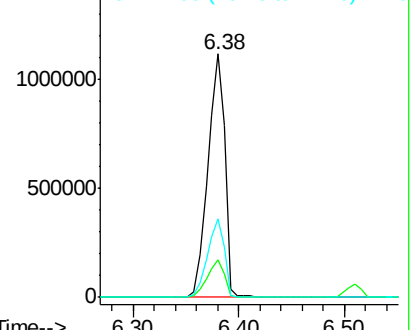


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.589 ng

RT: 6.39 min Scan# 732

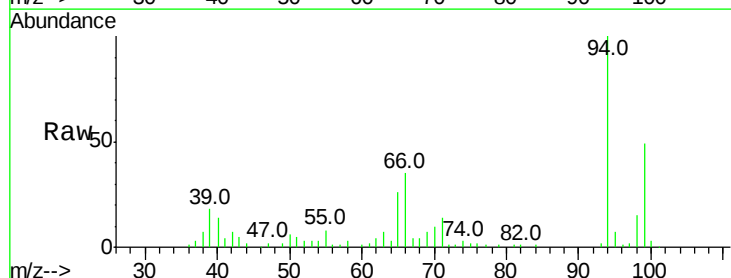
Delta R.T. -0.01 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

Tgt Ion: 94 Resp: 40916

Ion	Ratio	Lower	Upper
94	100		
65	26.4	9.9	49.9
66	34.5	23.1	63.1

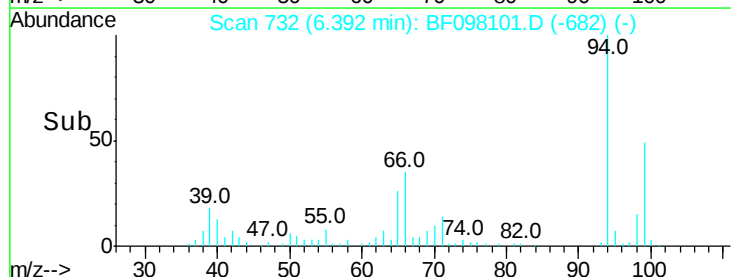
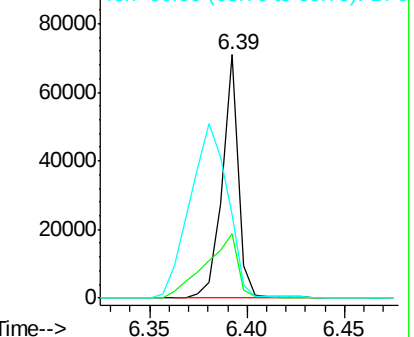


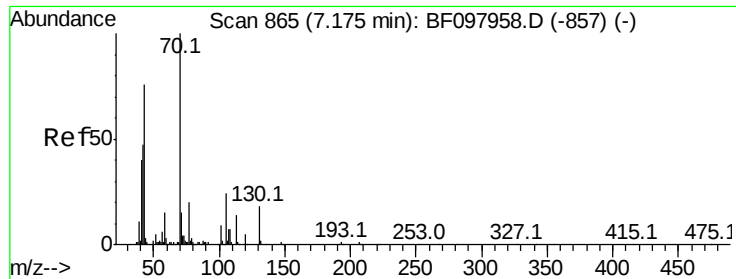
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

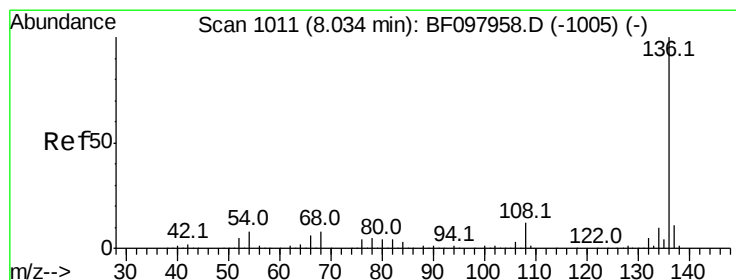
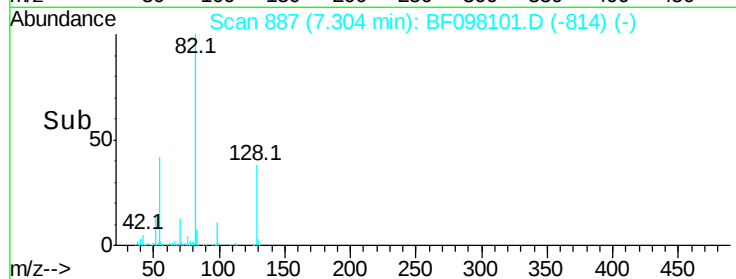
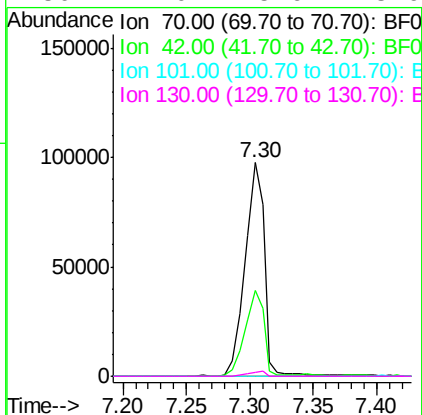
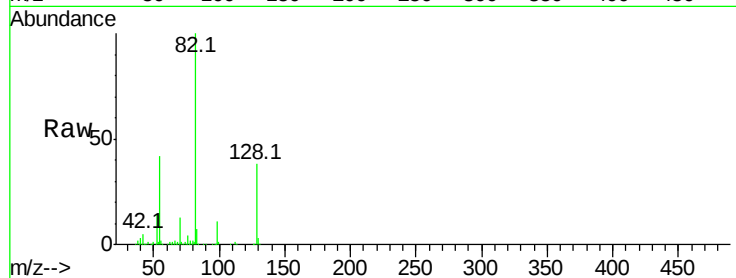




#19
n-Nitroso-di-n-propylamine
Concen: 15.370 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

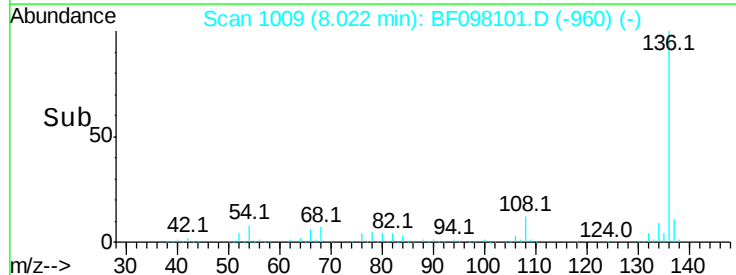
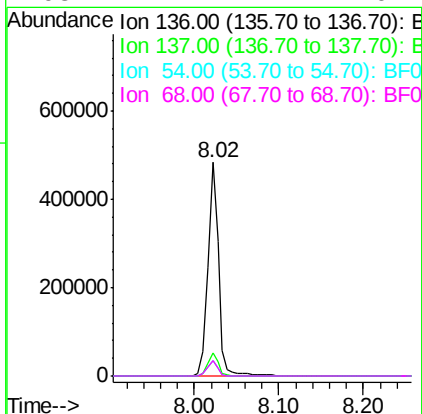
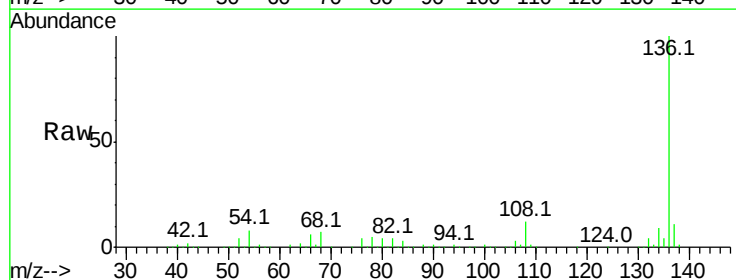
Instrument :
BNA_F
ClientSampleId :

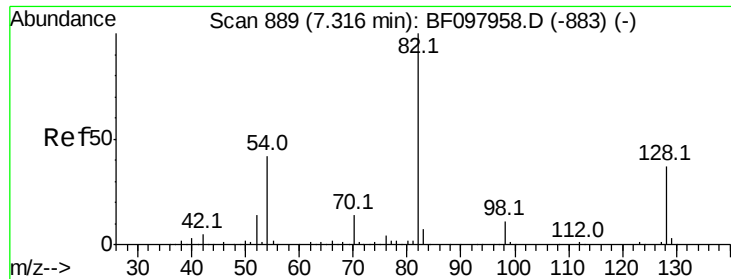
Tot Ion:	70	Resp:	102568
Ion	Ratio	Lower	Upper
70	100		
42	40.4	47.2	70.8#
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

Tgt Ion:	136	Resp:	429362
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.5	4.9	7.3#
68	7.2	4.1	6.1#

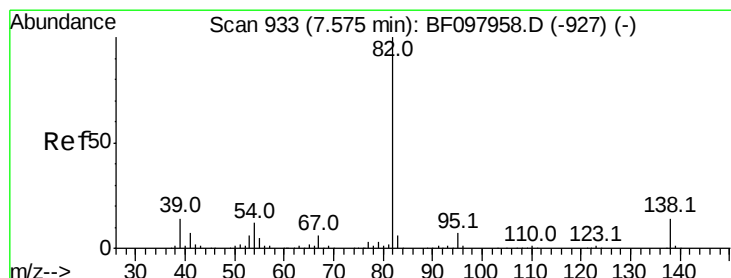
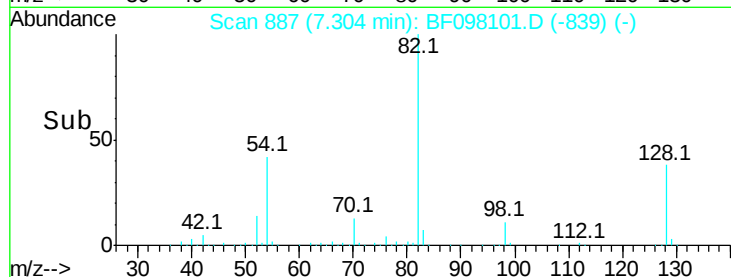
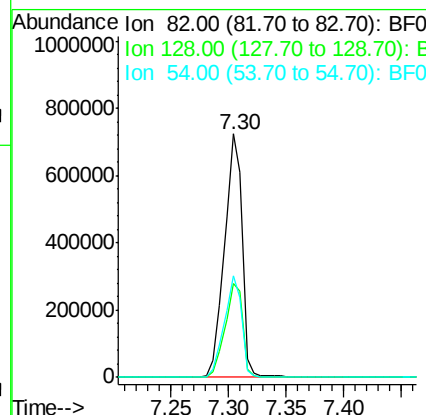
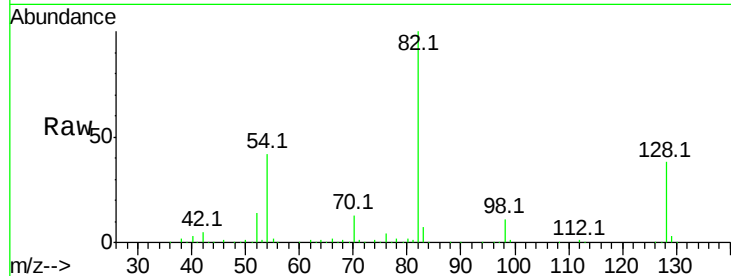




#23
Nitrobenzene-d5
Concen: 97.413 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

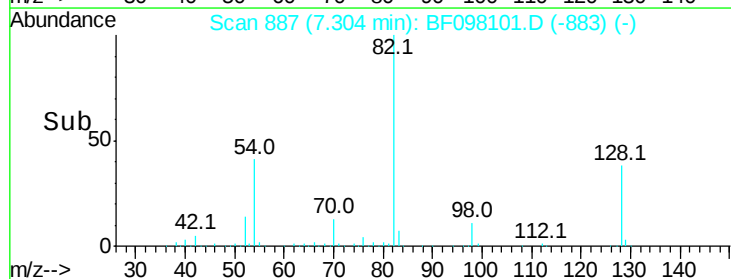
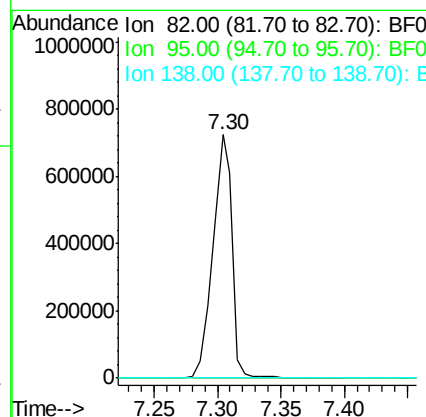
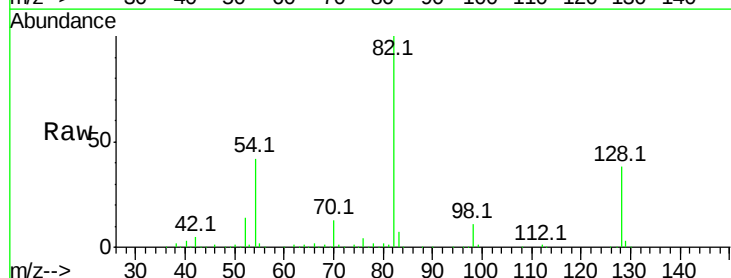
Instrument :
BNA_F
ClientSampled :

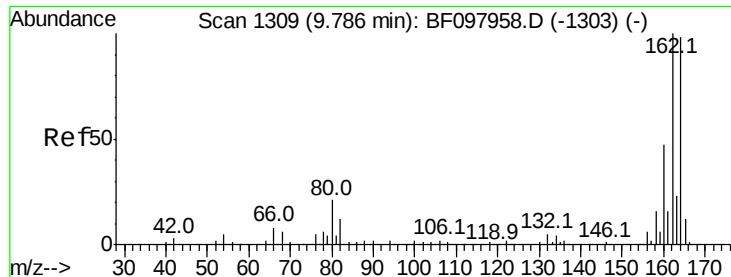
Tot Ion	82	Resp	769915
Ion Ratio	100	Lower	Upper
128	38.3	34.0	51.0
54	41.6	42.2	63.2#



#25
Isophorone
Concen: 46.188 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.28 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

Tgt Ion	82	Resp	759070
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

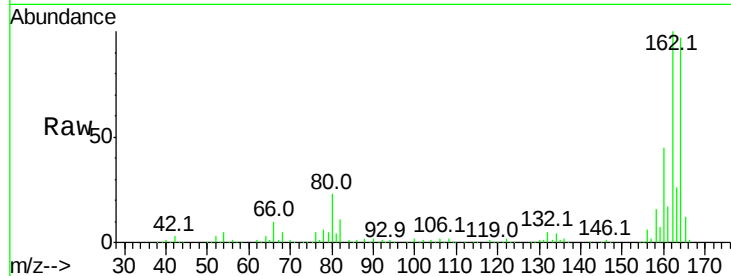




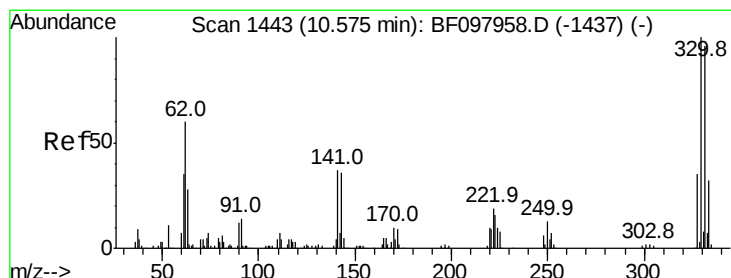
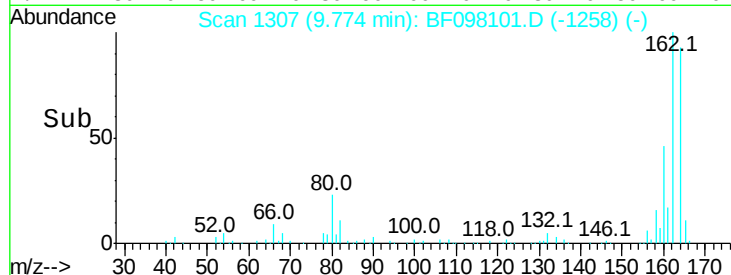
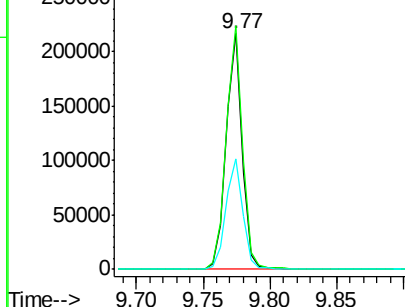
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098101.D
 Acq: 29 Aug 2017 7:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 185410
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.6 123.8
 160 46.9 36.2 54.2

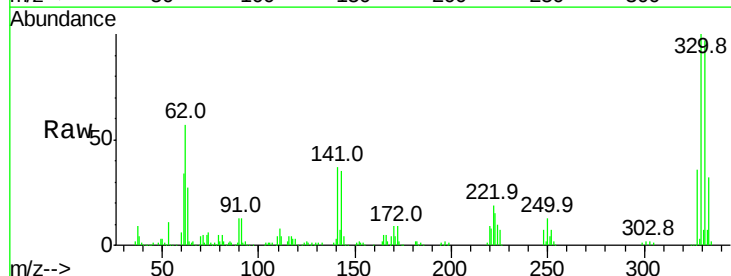


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

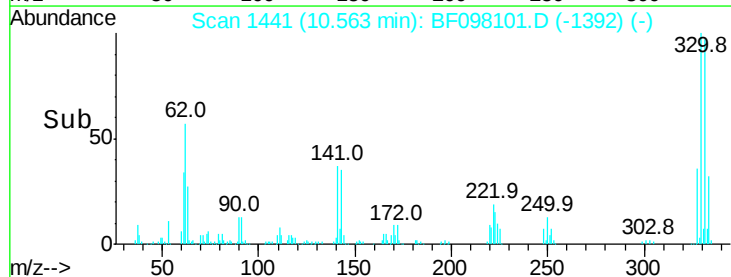
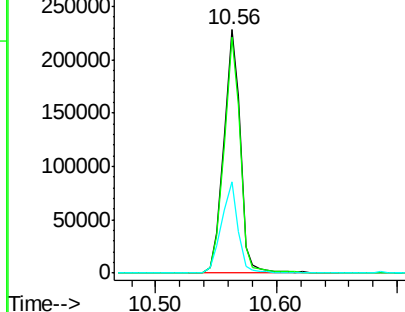


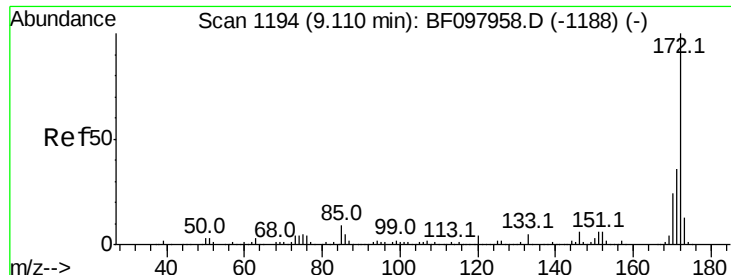
#41
 2,4,6-Tribromophenol
 Concen: 134.513 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098101.D
 Acq: 29 Aug 2017 7:58

Tgt Ion:330 Resp: 216395
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 115.0
 141 37.5 31.4 47.2



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

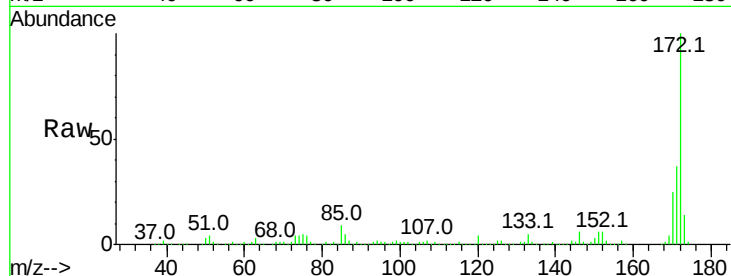




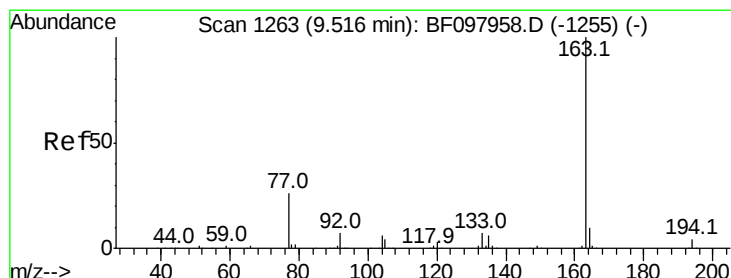
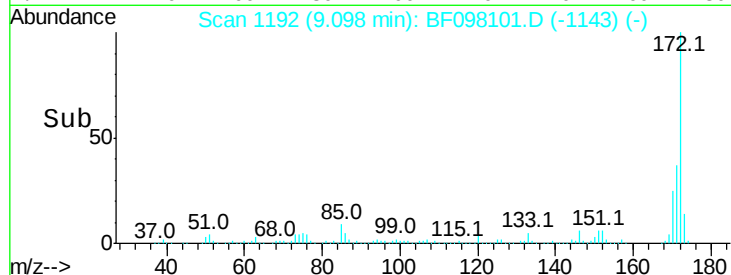
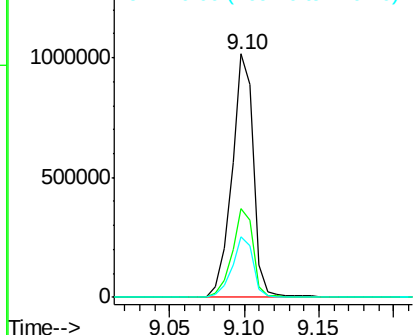
#44
2-Fluorobiphenyl
Concen: 81.917 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1033775
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.6 19.8 29.8

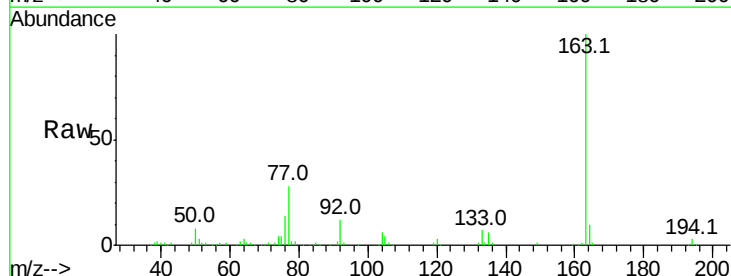


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

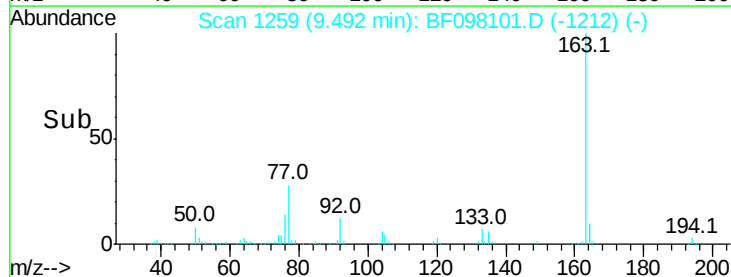
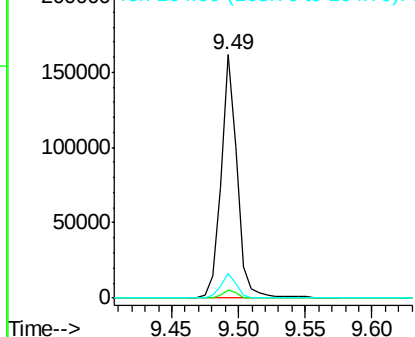


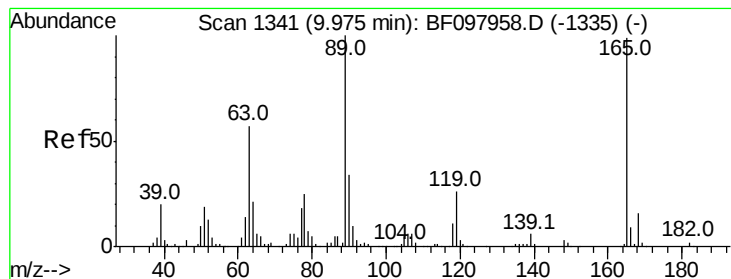
#49
Dimethylphthalate
Concen: 10.203 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

Tgt Ion:163 Resp: 138280
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.3 8.4 12.6



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

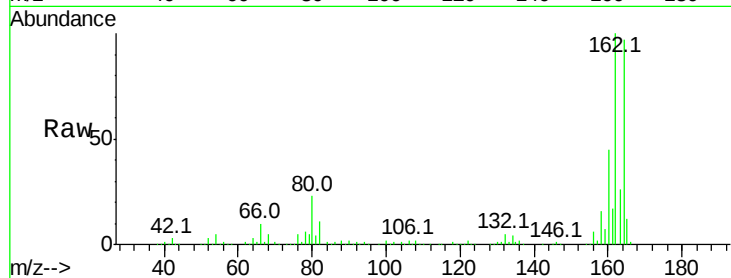




#56
 2,4-Dinitrotoluene
 Concen: 6.857 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF098101.D
 Acq: 29 Aug 2017 7:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#

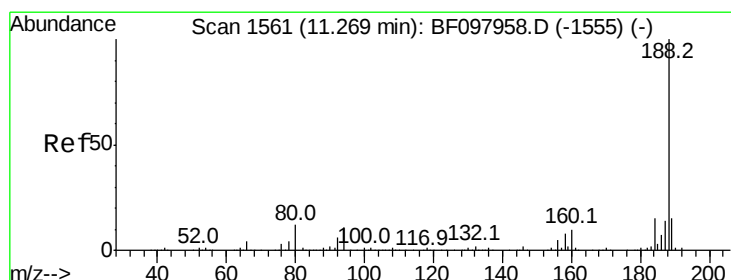
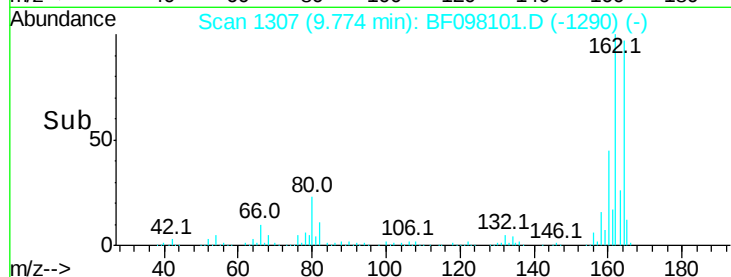
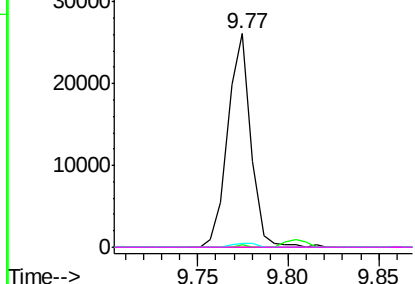


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



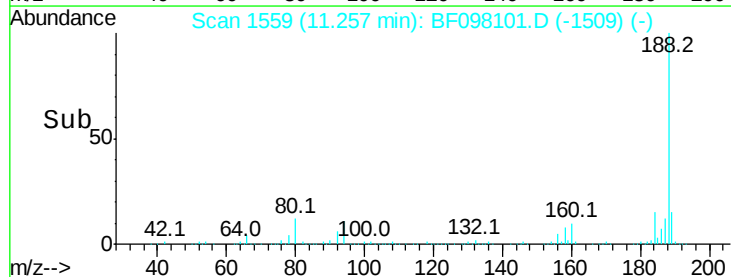
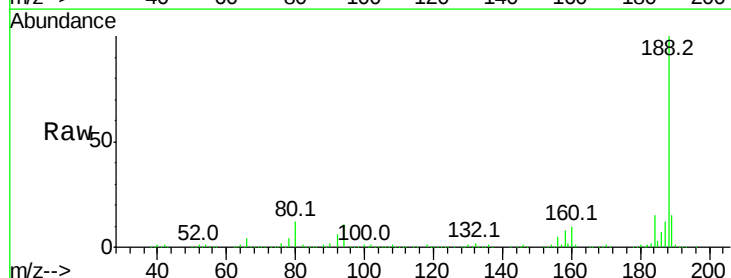
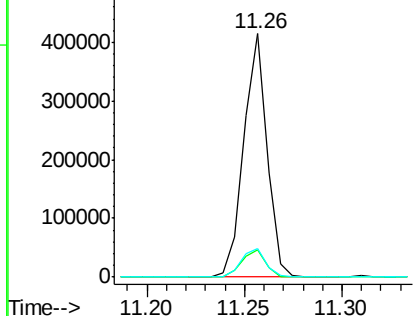
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF098101.D
 Acq: 29 Aug 2017 7:58

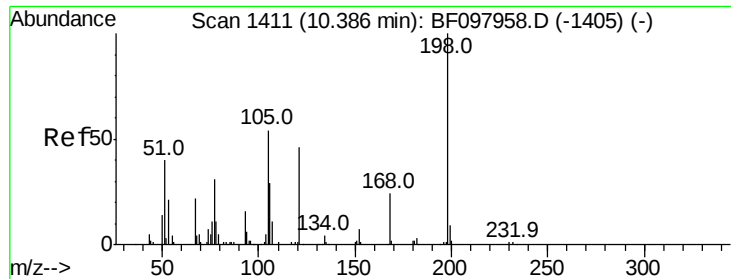
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	11.5	10.2	15.2

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.580 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.18 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

Instrument :

BNA_F

ClientSampleId :

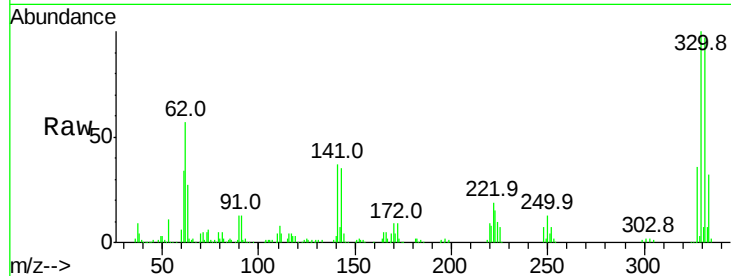
Tot Ion:198 Resp: 508

Ion Ratio Lower Upper

198 100

51 215.0 53.2 93.2#

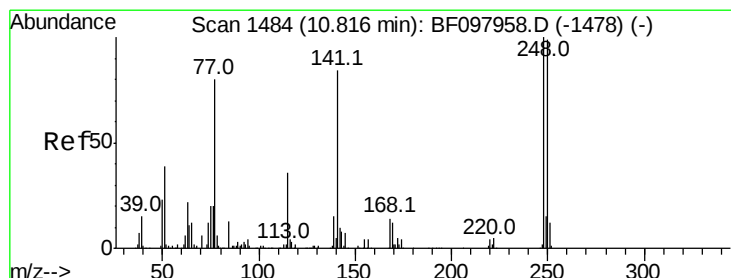
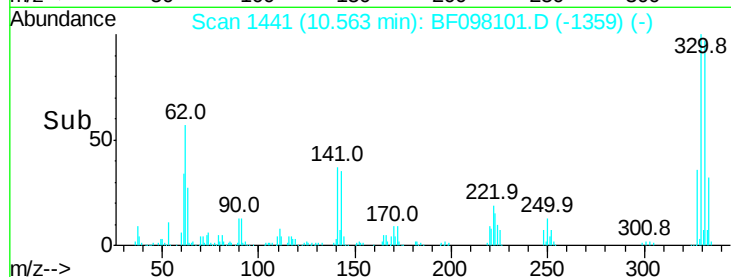
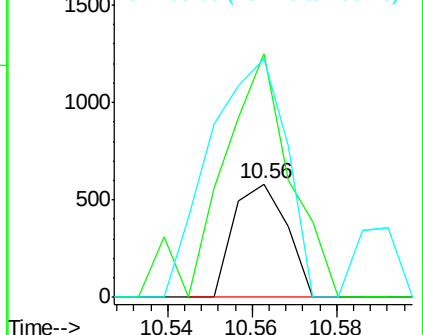
105 210.7 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.027 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.25 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

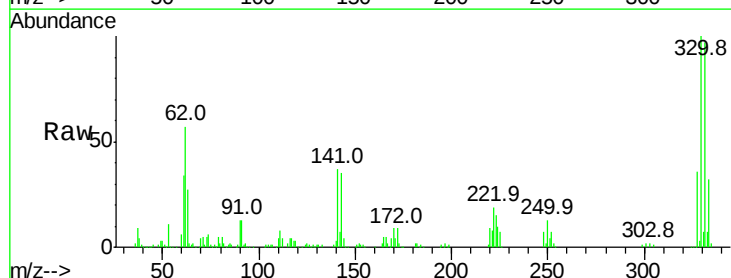
Tgt Ion:248 Resp: 14373

Ion Ratio Lower Upper

248 100

250 191.2 76.8 115.2#

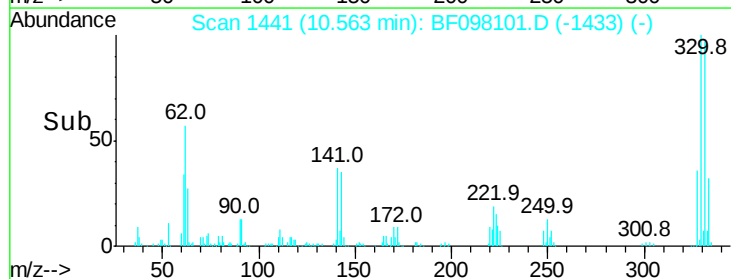
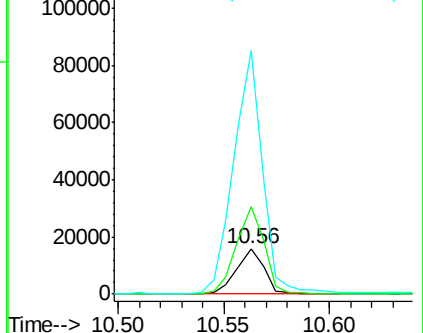
141 533.2 68.6 103.0#

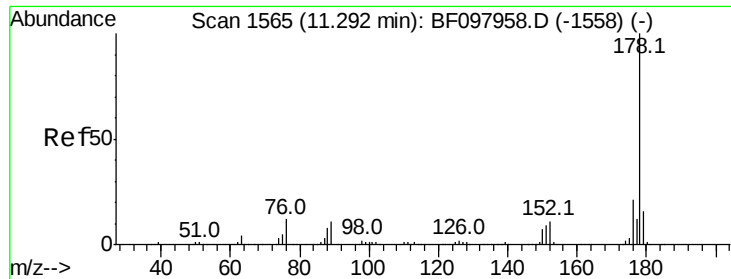


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

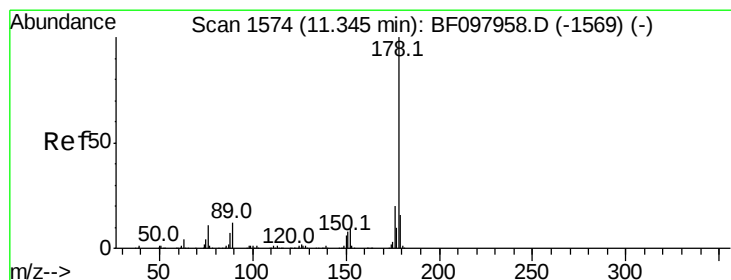
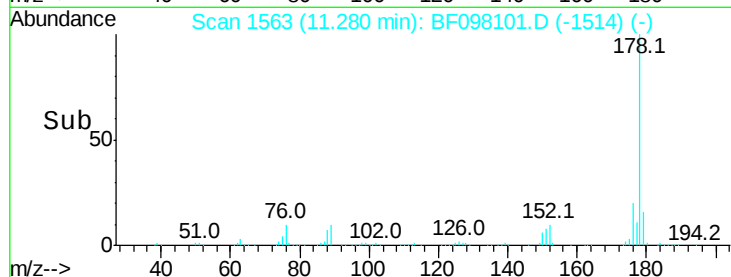
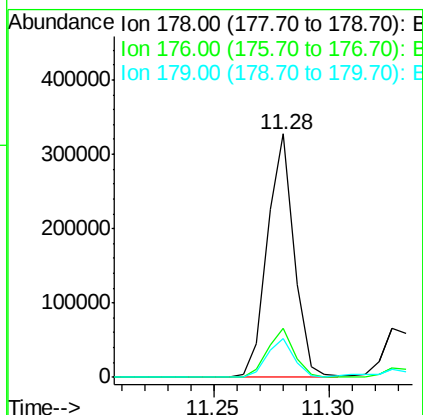
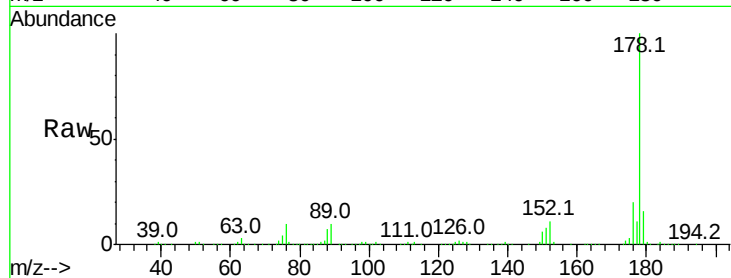




#70
Phenanthrene
Concen: 14.404 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

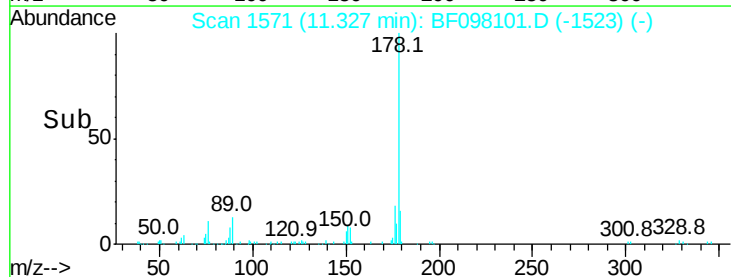
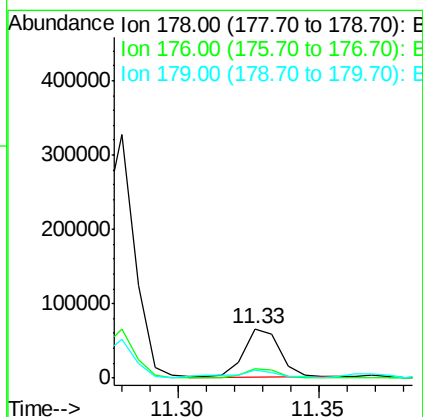
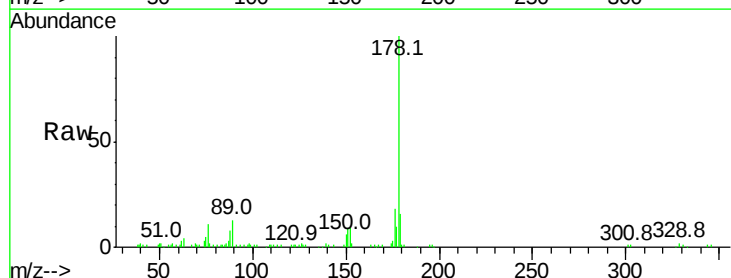
Instrument :
BNA_F
ClientSampleId :

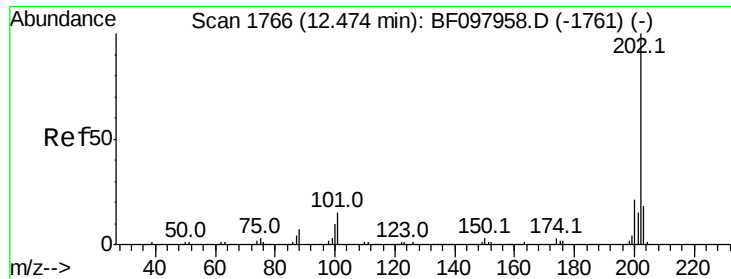
Tot Ion:178 Resp: 263810
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 15.7 12.6 19.0



#71
Anthracene
Concen: 3.171 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.02 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

Tgt Ion:178 Resp: 58913
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 15.9 12.7 19.1





#74

Fluoranthene

Concen: 17.767 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

Instrument :

BNA_F

ClientSampleId :

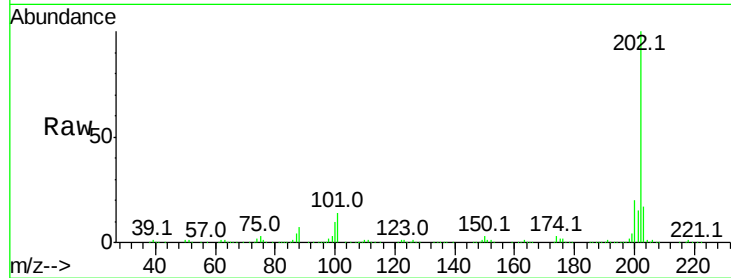
Tot Ion:202 Resp: 339663

Ion Ratio Lower Upper

202 100

101 14.4 0.0 33.2

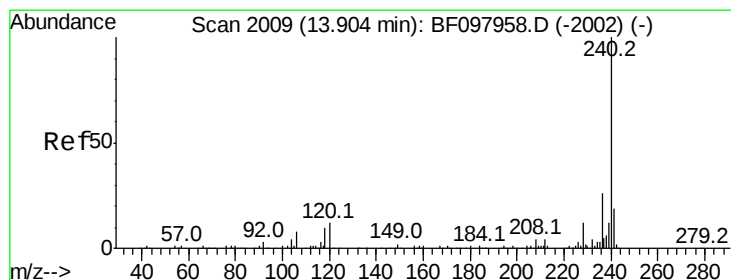
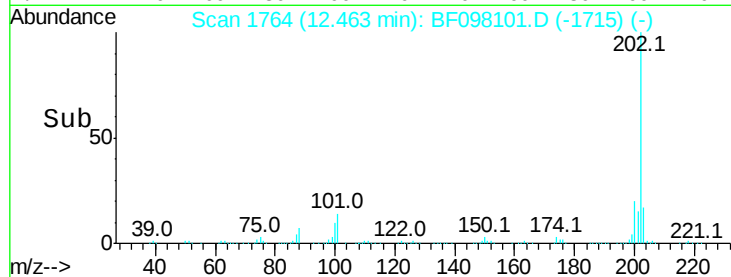
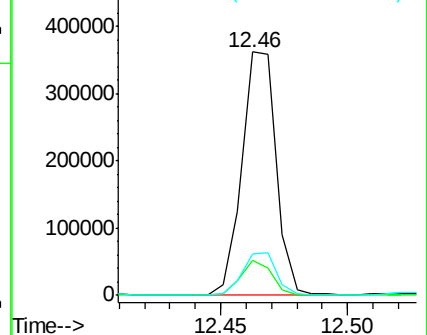
203 17.2 0.0 38.1



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

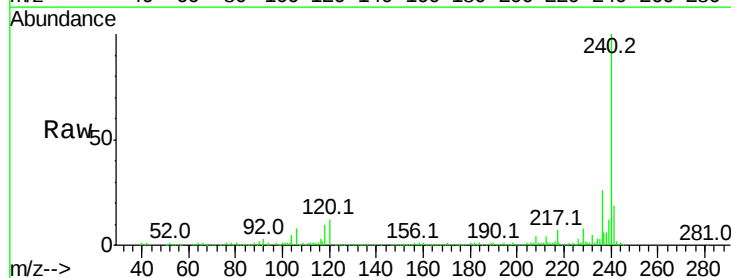
Tgt Ion:240 Resp: 266861

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

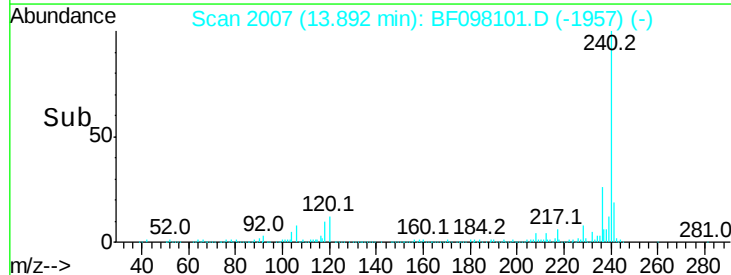
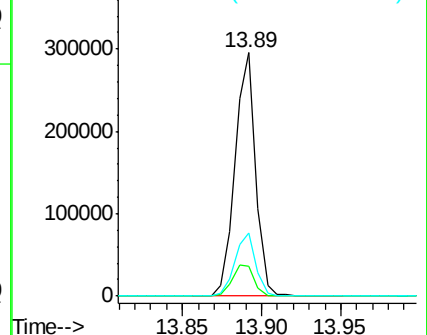
236 25.7 20.5 30.7

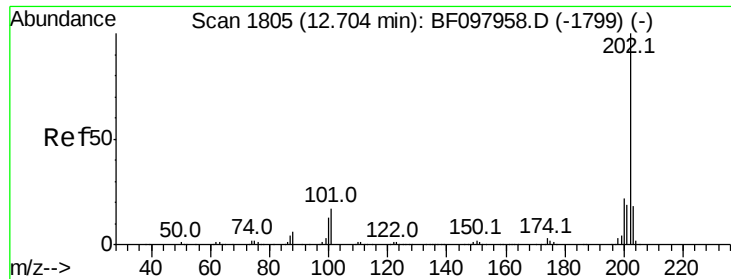


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 15.047 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

Instrument :

BNA_F

ClientSampleId :

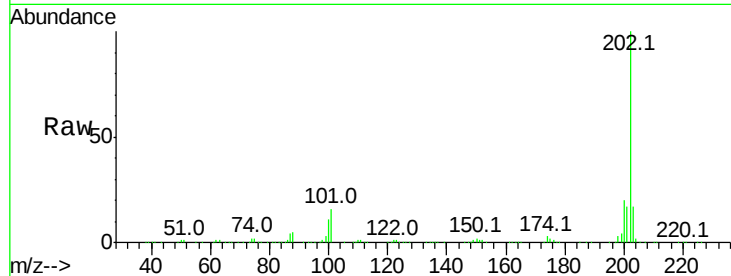
Tot Ion:202 Resp: 328428

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

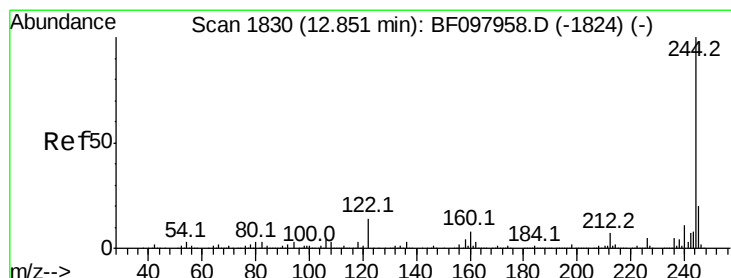
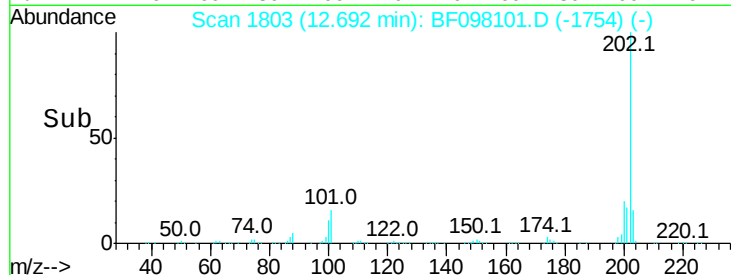
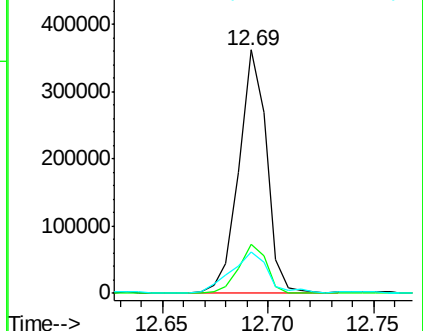
203 16.9 14.4 21.6



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: 62.705 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

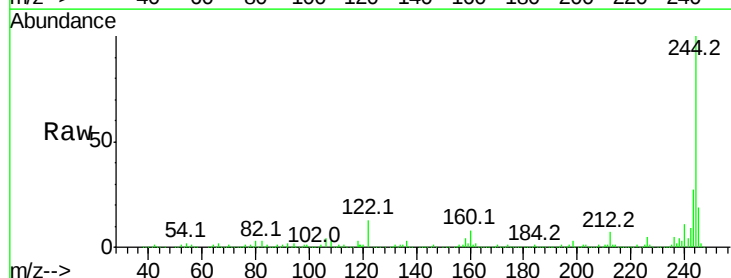
Tgt Ion:244 Resp: 802438

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

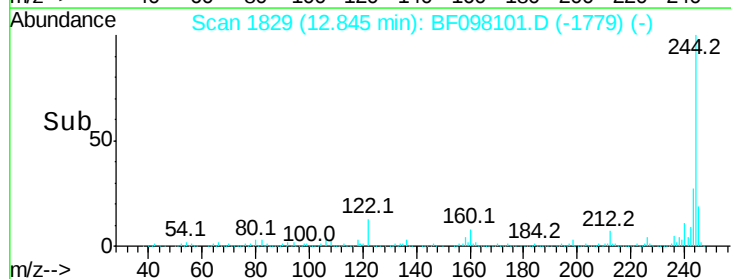
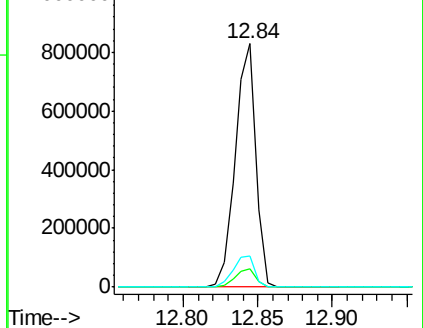
122 12.5 10.3 15.5

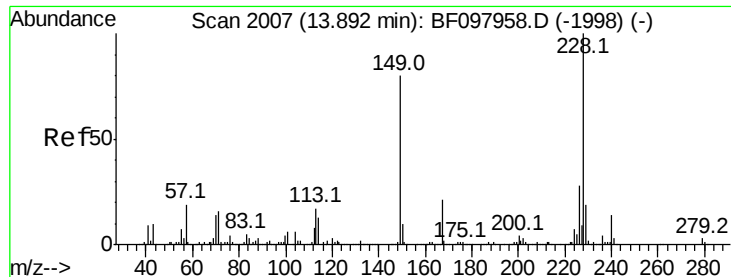


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.723 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

Instrument :

BNA_F

ClientSampleId :

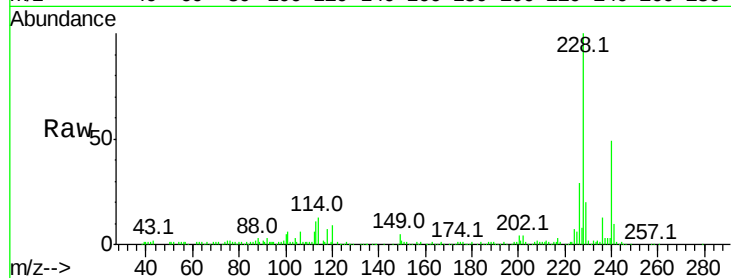
Tot Ion:228 Resp: 155504

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

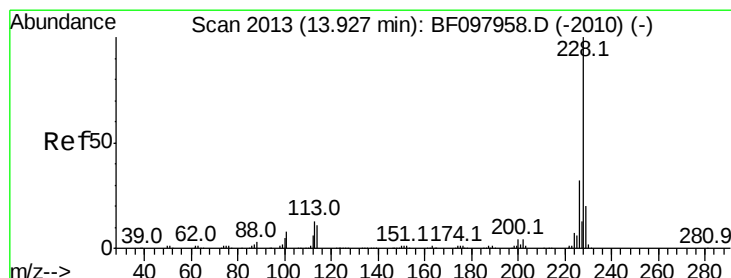
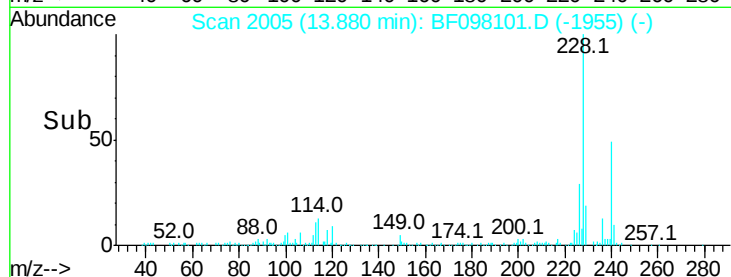
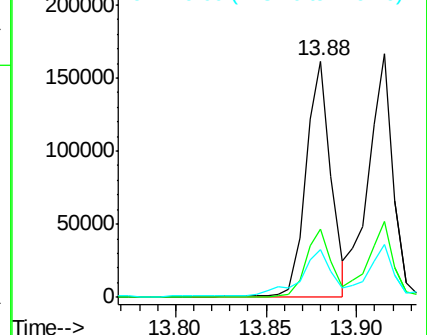
229 20.1 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 9.942 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

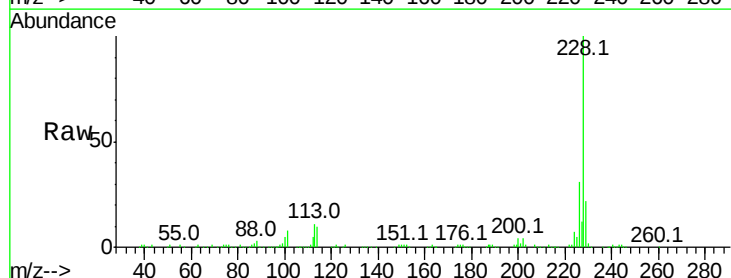
Tgt Ion:228 Resp: 158177

Ion Ratio Lower Upper

228 100

226 31.3 24.9 37.3

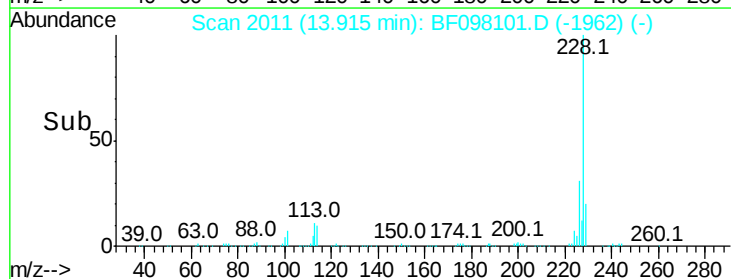
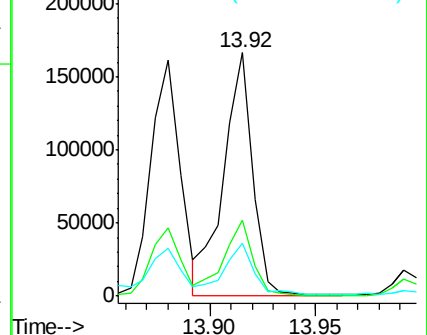
229 21.6 15.8 23.6

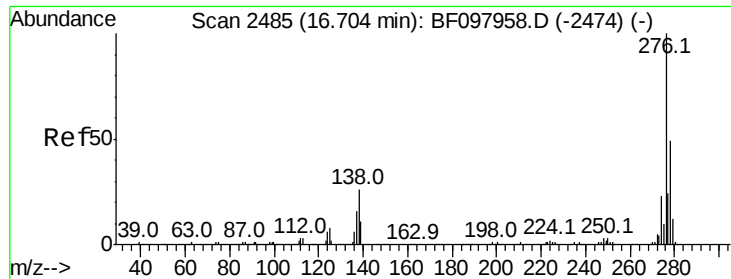


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

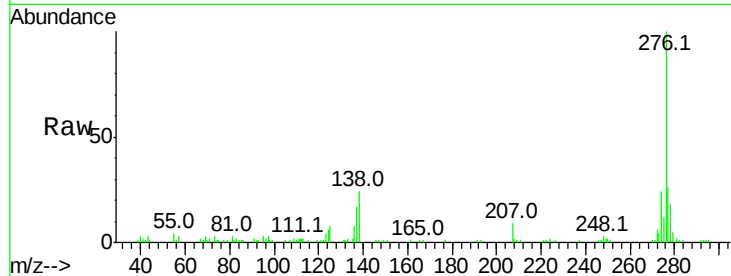




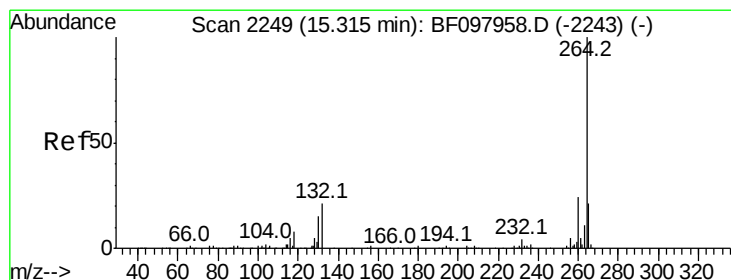
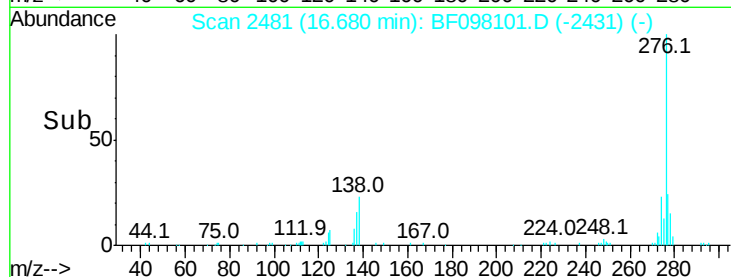
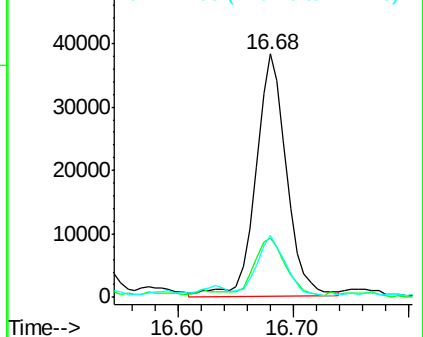
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.038 ng
RT: 16.68 min Scan# 2481
Delta R.T. -0.01 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:276 Resp: 70665
Ion Ratio Lower Upper
276 100
138 23.6 27.8 41.6#
277 23.6 20.2 30.4

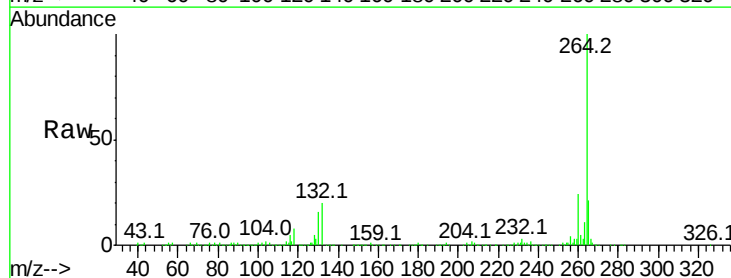


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

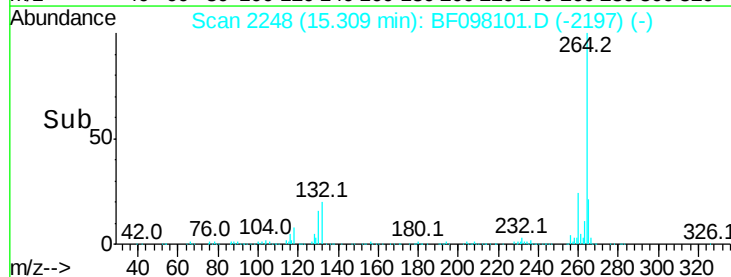
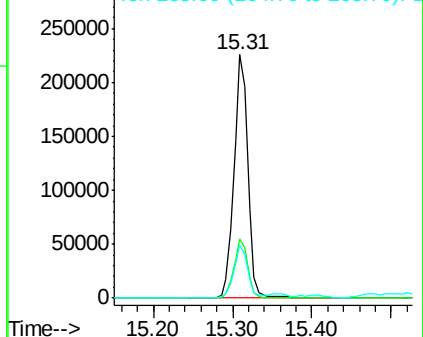


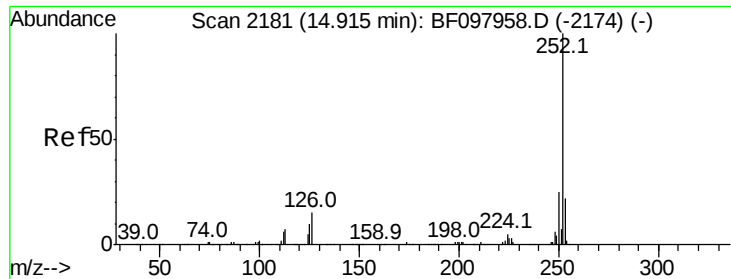
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.00 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

Tgt Ion:264 Resp: 273699
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.5 17.2 25.8



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

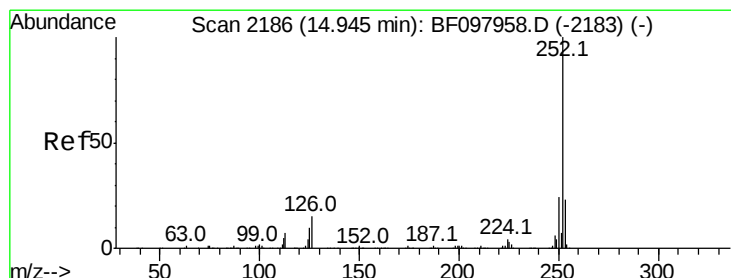
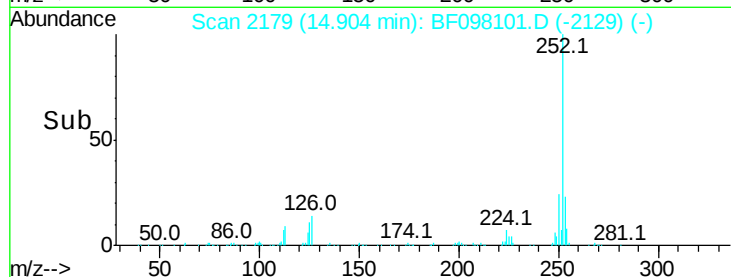
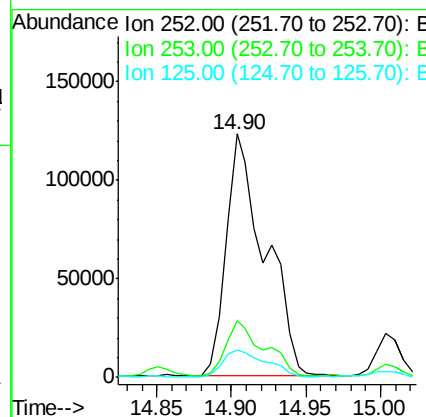
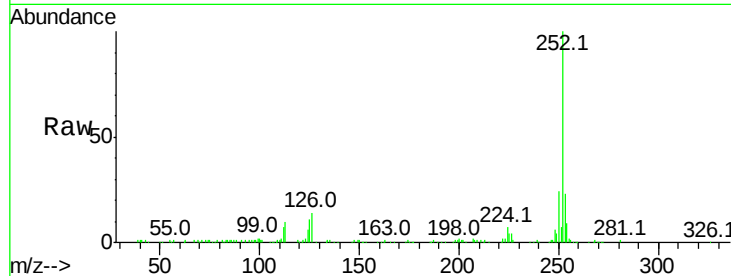




#87
Benzo(b)fluoranthene
Concen: 13.004 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

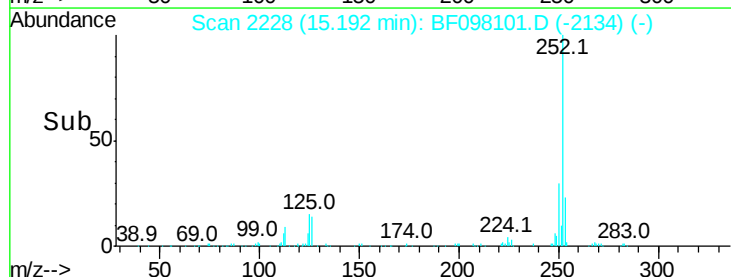
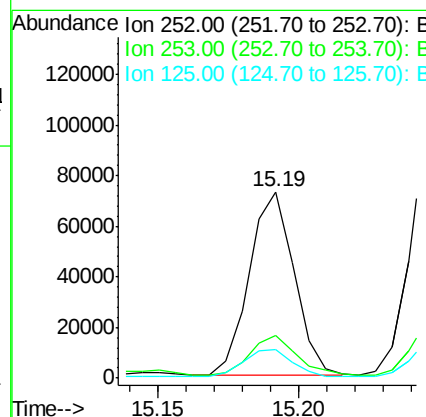
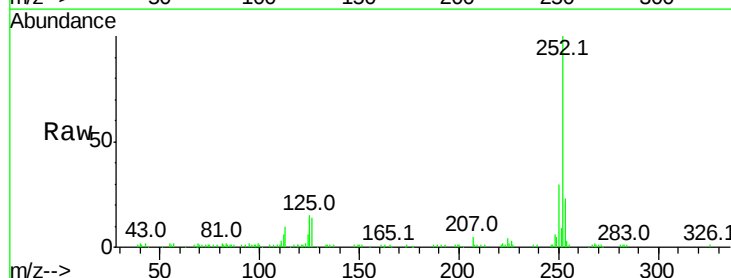
Instrument :
BNA_F
ClientSampleId :

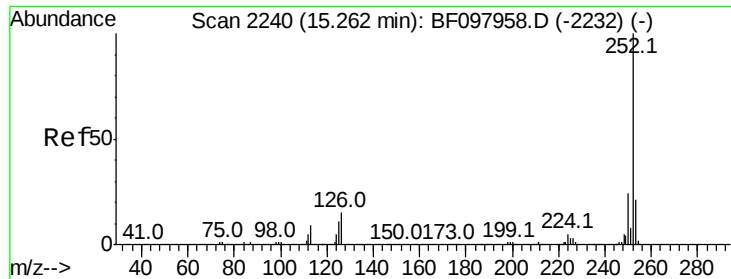
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.4	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 4.967 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.25 min
Lab File: BF098101.D
Acq: 29 Aug 2017 7:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	15.4	13.1	19.7





#89

Benzo(a)pyrene

Concen: 8.623 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

Instrument :

BNA_F

ClientSampleId :

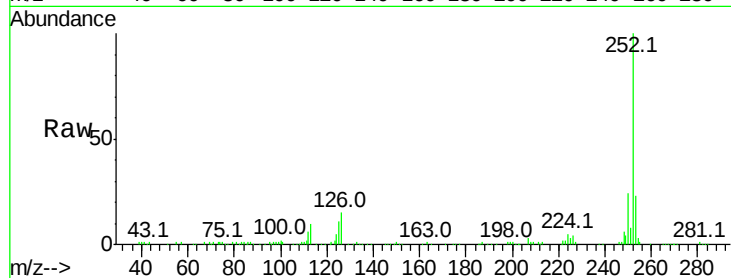
Tot Ion:252 Resp: 131699

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

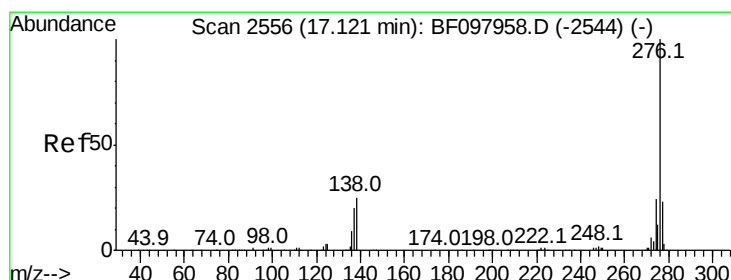
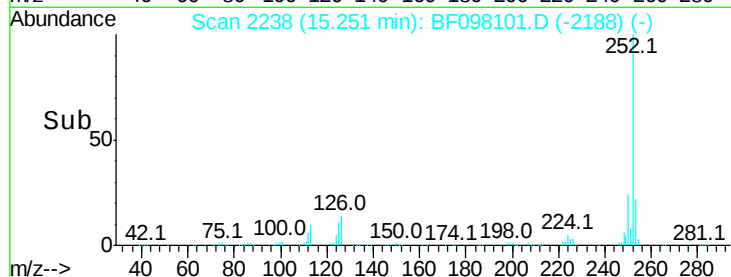
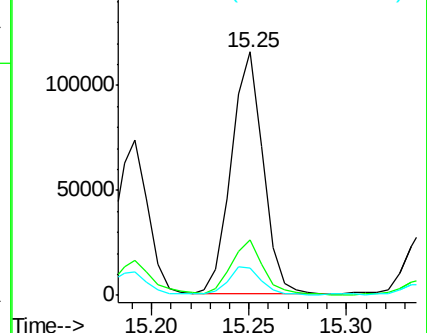
125 11.3 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 4.928 ng

RT: 17.10 min Scan# 2552

Delta R.T. -0.01 min

Lab File: BF098101.D

Acq: 29 Aug 2017 7:58

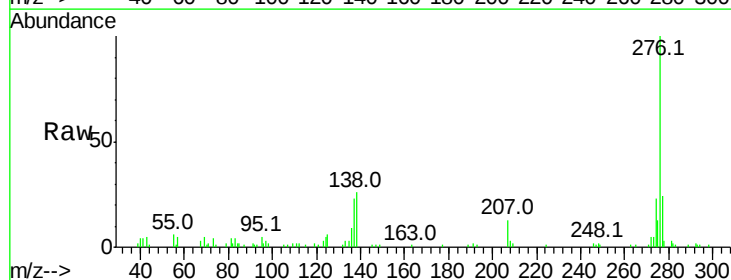
Tgt Ion:276 Resp: 63931

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 25.8 25.4 38.0



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

