

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098963.D
 Acq On : 30 Sep 2017 15:27
 Operator : SJ/JU
 Sample : I5487-07 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 30 23:25:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

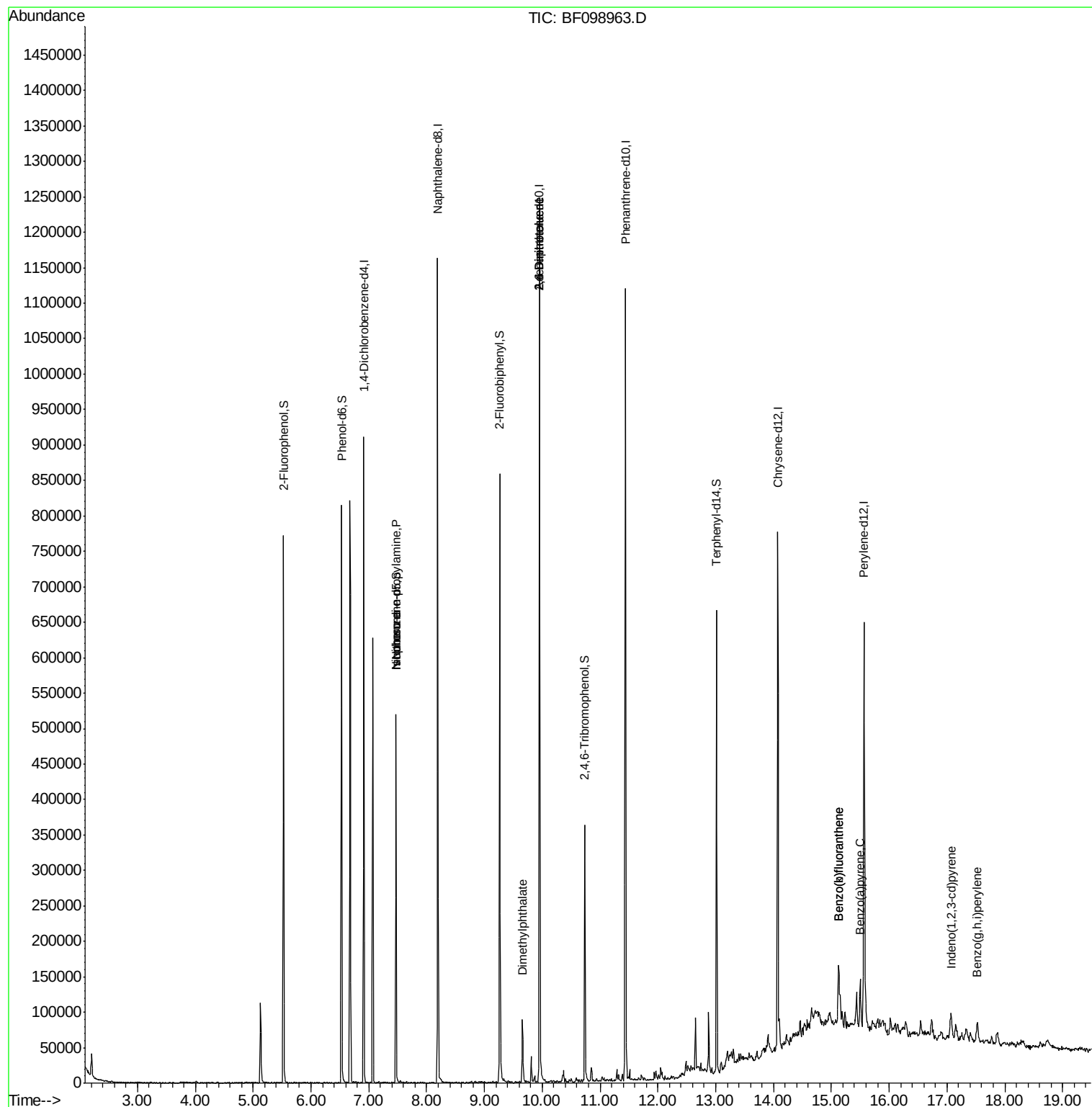
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	137585	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	561889	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	243244	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	376267	20.00	ng	0.00
75) Chrysene-d12	14.07	240	212824	20.00	ng	-0.01
86) Perylene-d12	15.57	264	234693	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	199139	23.04	ng	-0.02
7) Phenol-d6	6.53	99	233609	21.91	ng	-0.02
23) Nitrobenzene-d5	7.47	82	142946	16.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	37278	18.73	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	279170	19.16	ng	-0.01
78) Terphenyl-d14	13.02	244	166421	17.78	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	18490	2.716	ng	# 80
25) Isophorone	7.47	82	142944	7.891	ng	# 64
49) Dimethylphthalate	9.66	163	39229	2.137	ng	# 99
50) 2,6-Dinitrotoluene	9.95	165	29935	7.490	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	29935	5.771	ng	# 23
85) Indeno(1,2,3-cd)pyrene	17.07	276	23732	2.418	ng	# 94
87) Benzo(b)fluoranthene	15.13	252	51723	3.584	ng	# 89
88) Benzo(k)fluoranthene	15.13	252	51723	3.629	ng	# 91
89) Benzo(a)pyrene	15.50	252	31056	2.345	ng	# 91
91) Benzo(g,h,i)perylene	17.52	276	24235	2.313	ng	# 90

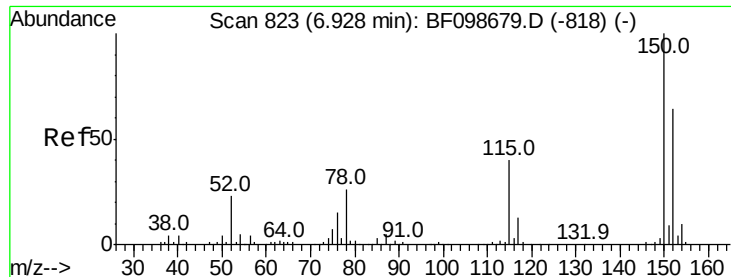
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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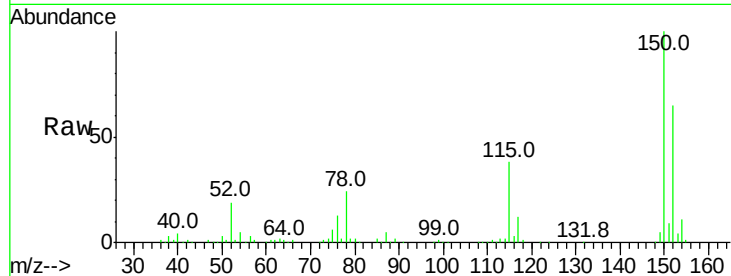


#1

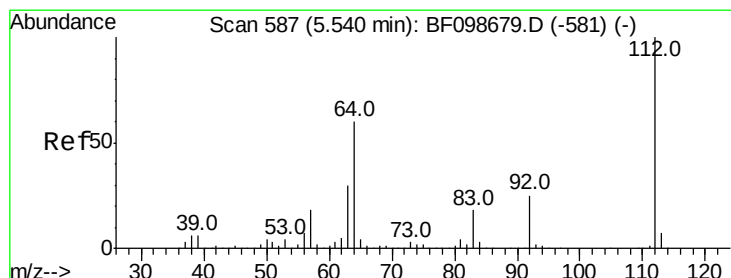
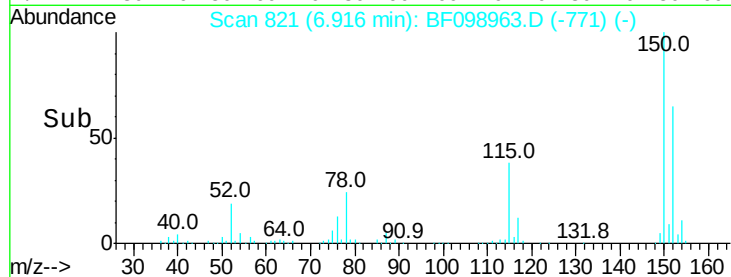
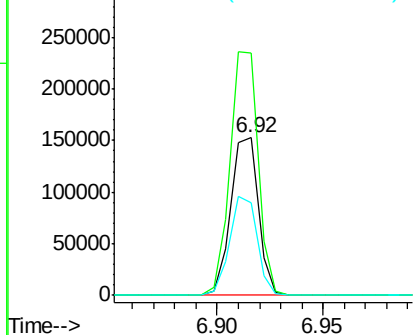
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF098963.D
 Acq: 30 Sep 2017 15:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 137585
 Ion Ratio Lower Upper
 152 100
 150 153.7 124.6 186.8
 115 58.8 50.1 75.1



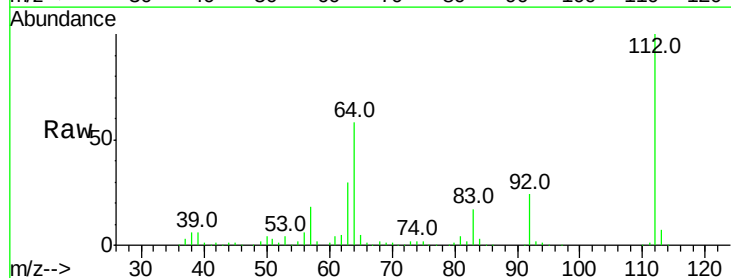
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



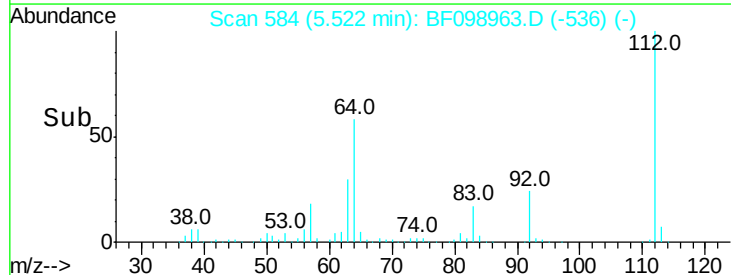
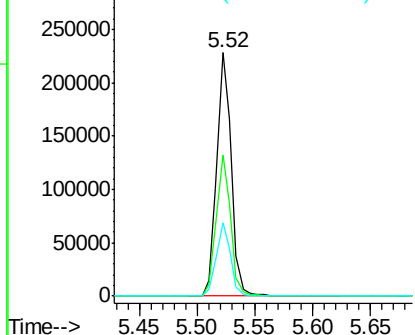
#5

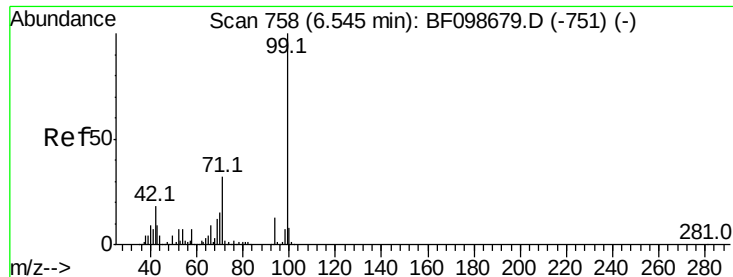
2-Fluorophenol
 Concen: 23.041 ng
 RT: 5.52 min Scan# 584
 Delta R.T. -0.02 min
 Lab File: BF098963.D
 Acq: 30 Sep 2017 15:27

Tgt Ion:112 Resp: 199139
 Ion Ratio Lower Upper
 112 100
 64 57.9 47.9 71.9
 63 29.9 23.7 35.5



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: 21.911 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098963.D

Acq: 30 Sep 2017 15:27

Instrument :

BNA_F

ClientSampleId :

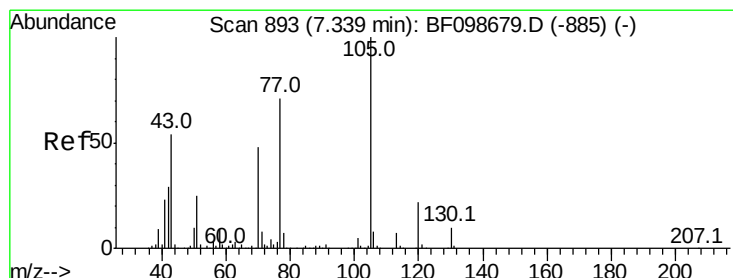
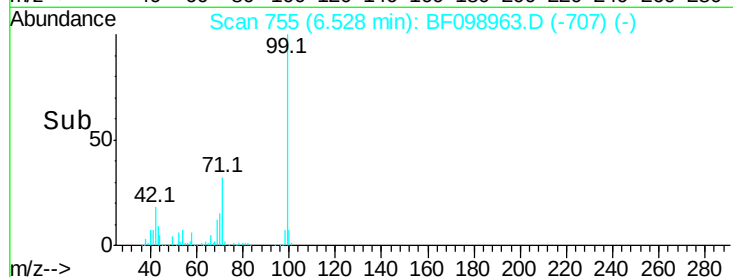
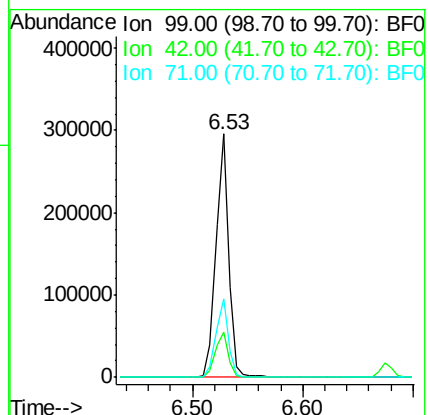
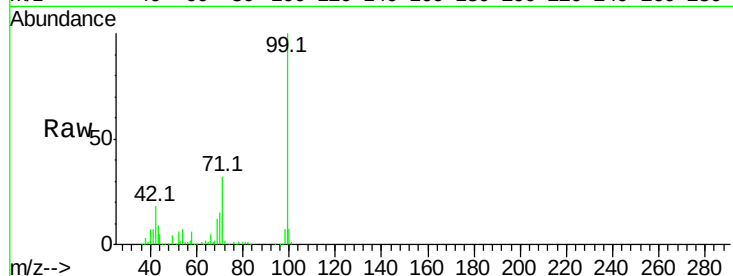
Tot Ion: 99 Resp: 233609

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

71 32.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.716 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.14 min

Lab File: BF098963.D

Acq: 30 Sep 2017 15:27

Tgt Ion: 70 Resp: 18490

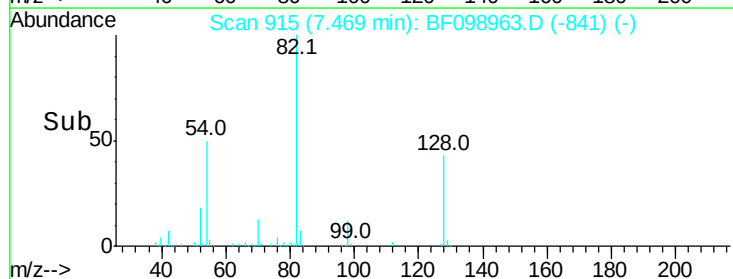
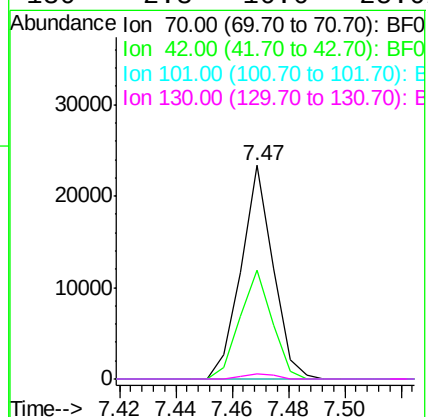
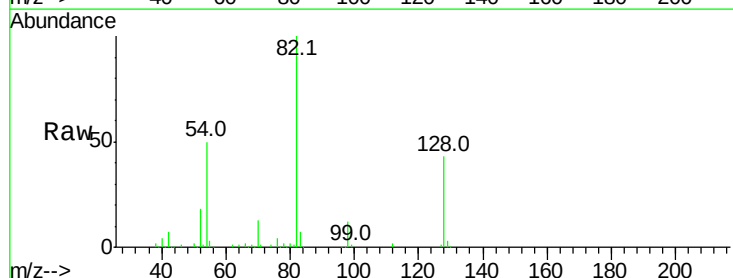
Ion Ratio Lower Upper

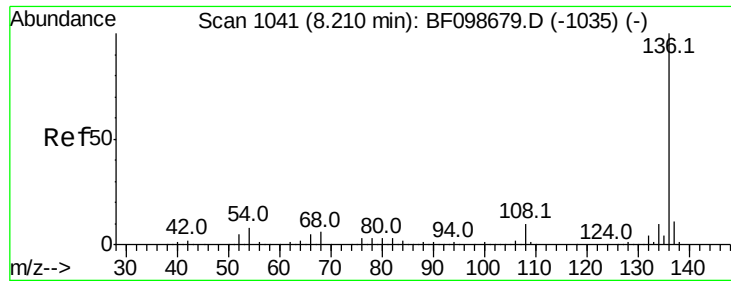
70 100

42 50.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

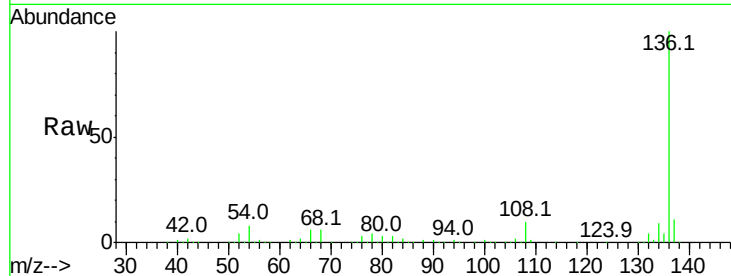




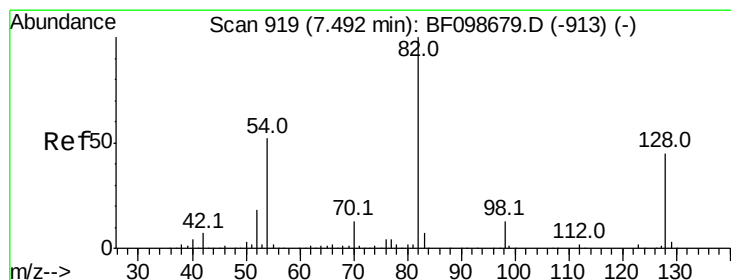
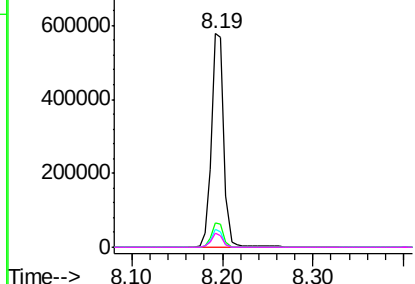
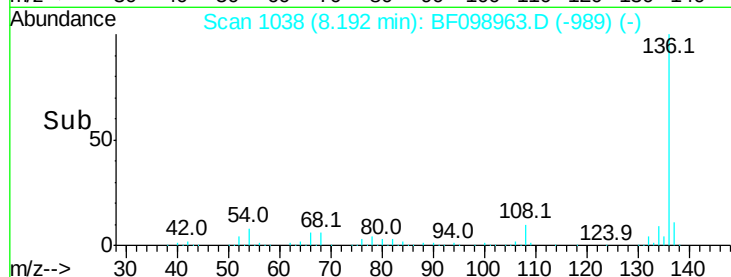
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098963.D
Acq: 30 Sep 2017 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	561889
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	8.4	6.6	9.8
68	6.3	5.0	7.4

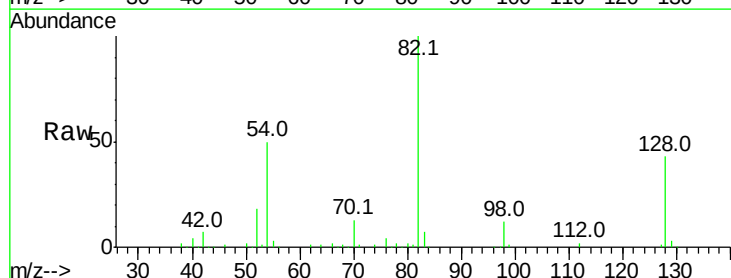


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

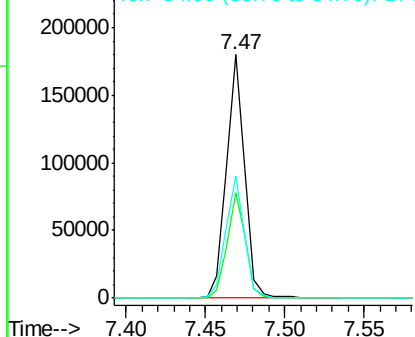
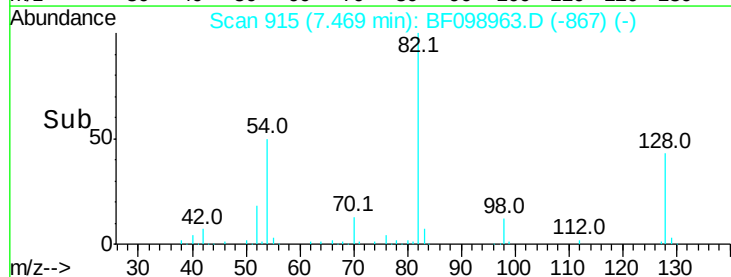


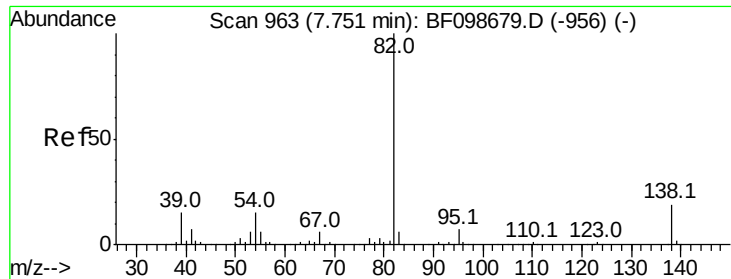
#23
Nitrobenzene-d5
Concen: 16.315 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098963.D
Acq: 30 Sep 2017 15:27

Tgt Ion:	82	Resp:	142946
Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	50.1	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

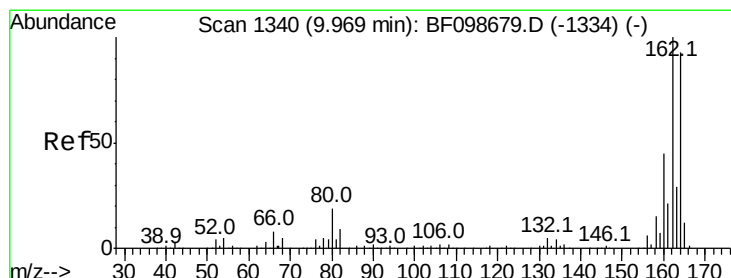
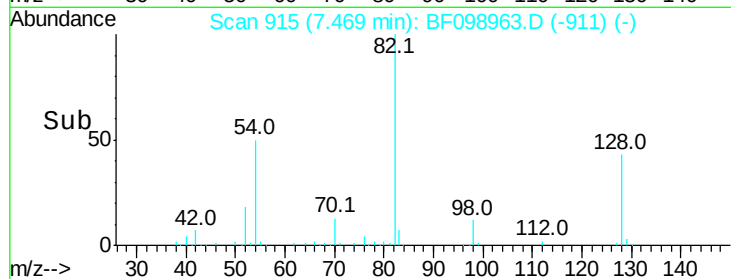
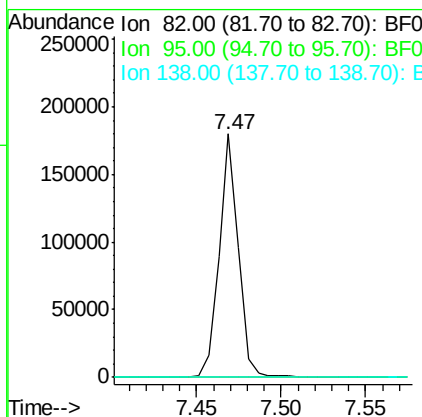
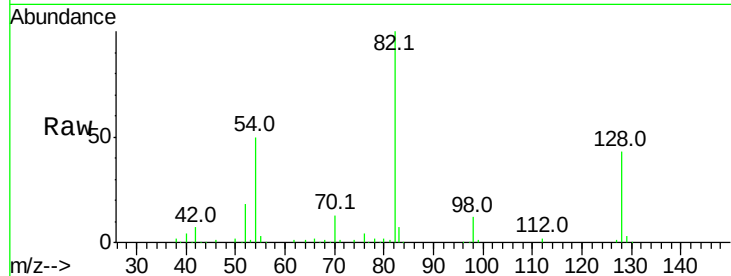




#25
Isophorone
Concen: 7.891 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.28 min
Lab File: BF098963.D
Acq: 30 Sep 2017 15:27

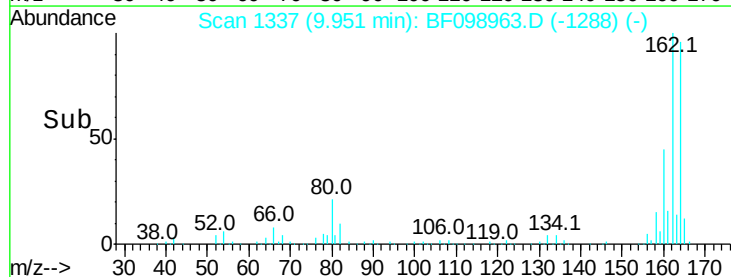
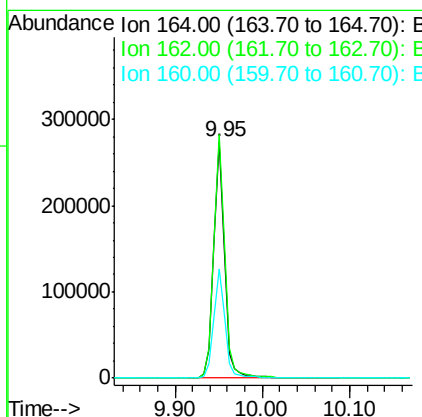
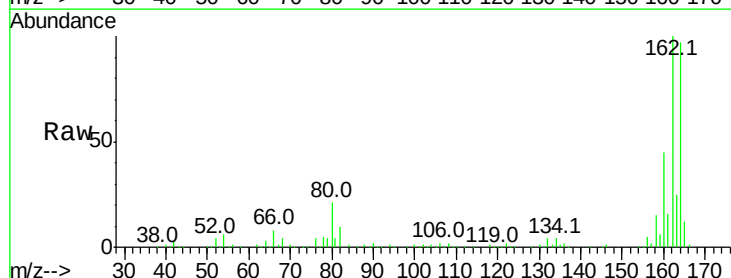
Instrument :
BNA_F
ClientSampled :

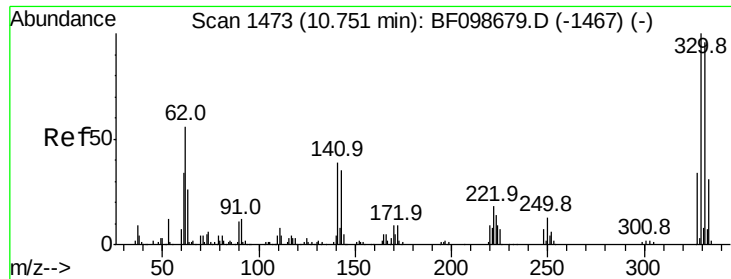
Tot Ion: 82 Resp: 142944
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098963.D
Acq: 30 Sep 2017 15:27

Tgt Ion: 164 Resp: 243244
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 46.1 38.3 57.5

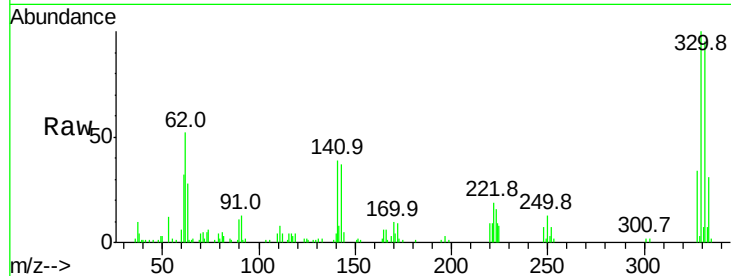




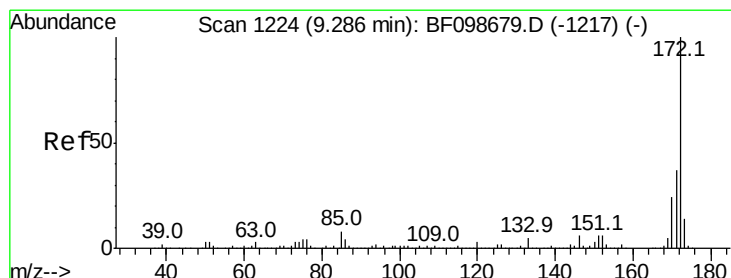
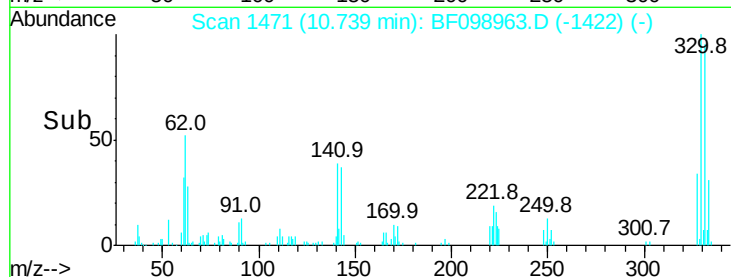
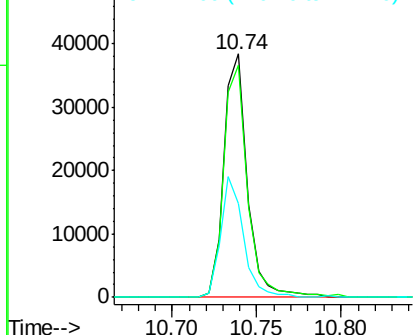
#41
 2,4,6-Tribromophenol
 Concen: 18.729 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098963.D
 Acq: 30 Sep 2017 15:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 37278
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 48.6 29.9 44.9#

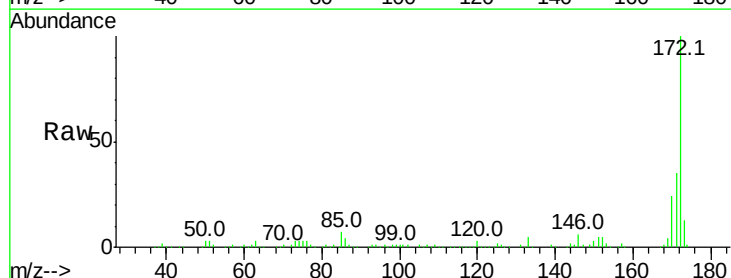


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

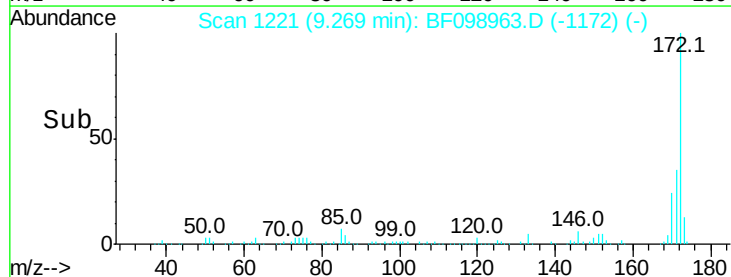
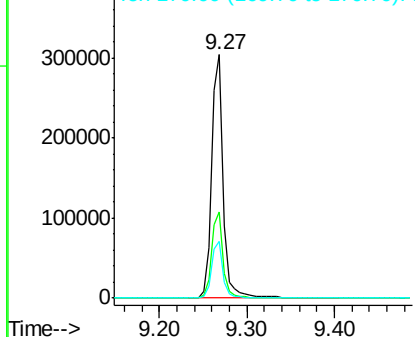


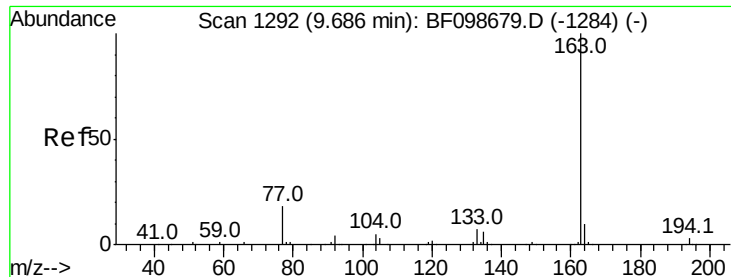
#44
 2-Fluorobiphenyl
 Concen: 19.160 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098963.D
 Acq: 30 Sep 2017 15:27

Tgt Ion:172 Resp: 279170
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.6 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: 2.137 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BF098963.D

Acq: 30 Sep 2017 15:27

Instrument :

BNA_F

ClientSampled :

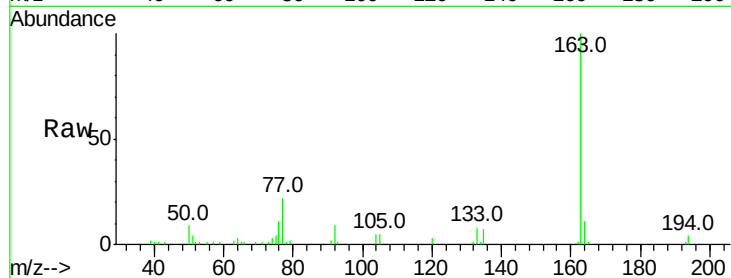
Tot Ion:163 Resp: 39229

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

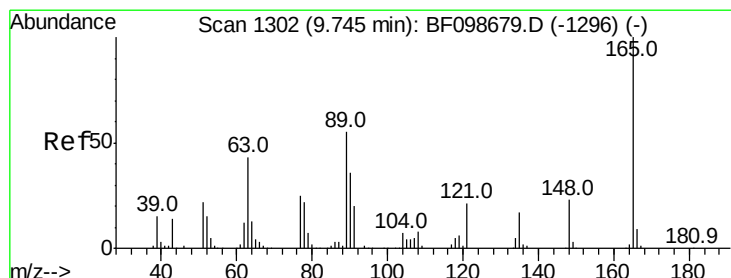
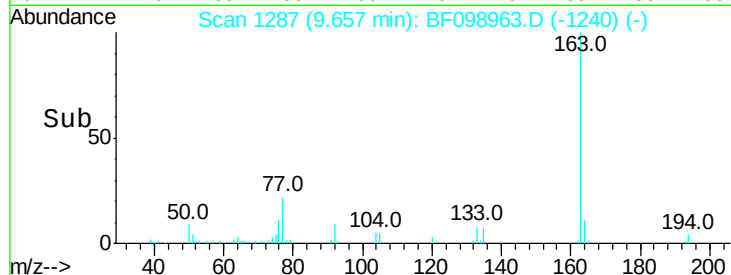
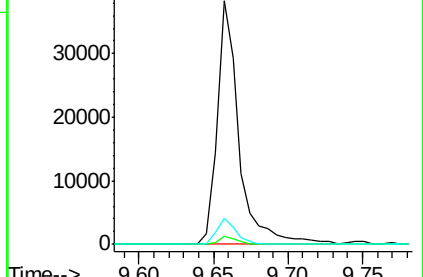
164 10.8 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.490 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.21 min

Lab File: BF098963.D

Acq: 30 Sep 2017 15:27

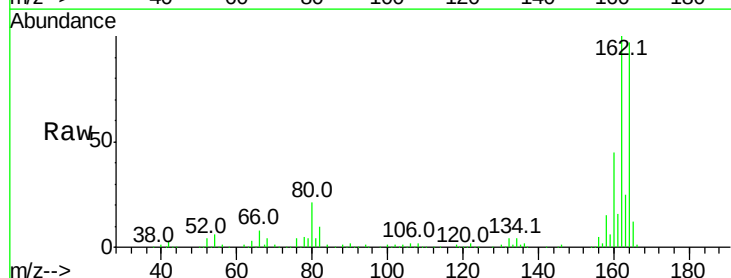
Tgt Ion:165 Resp: 29935

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

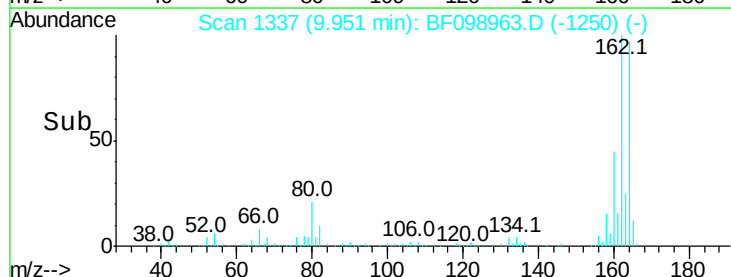
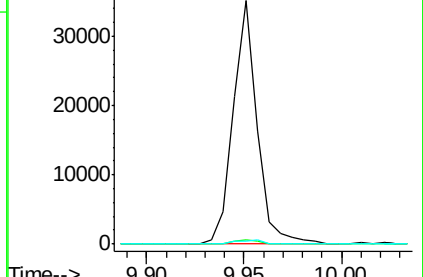
89 1.2 44.0 66.0#

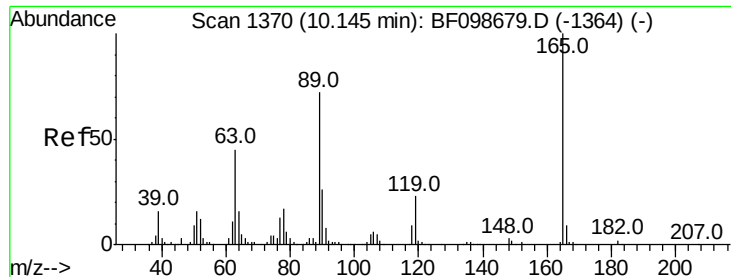


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

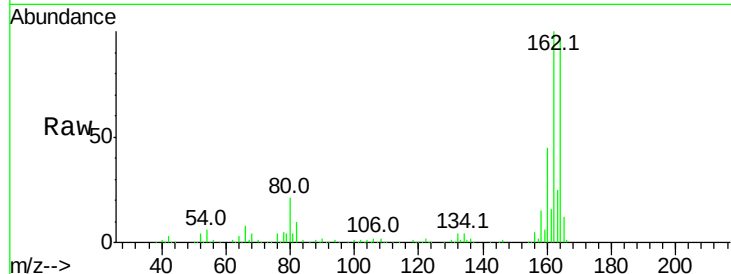




#56
 2,4-Dinitrotoluene
 Concen: 5.771 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098963.D
 Acq: 30 Sep 2017 15:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

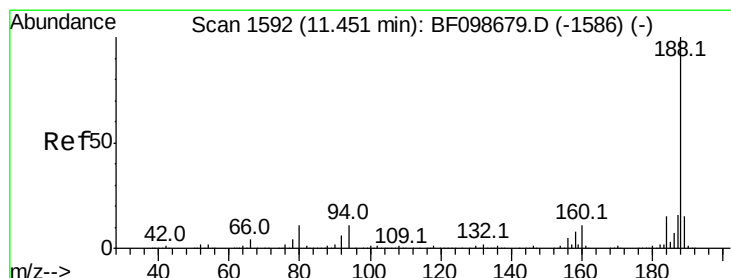
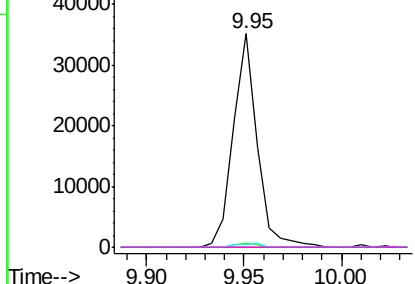
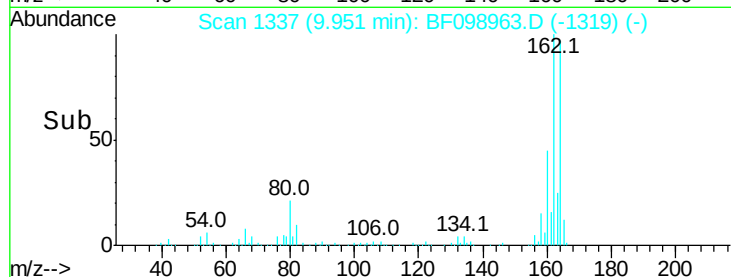


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

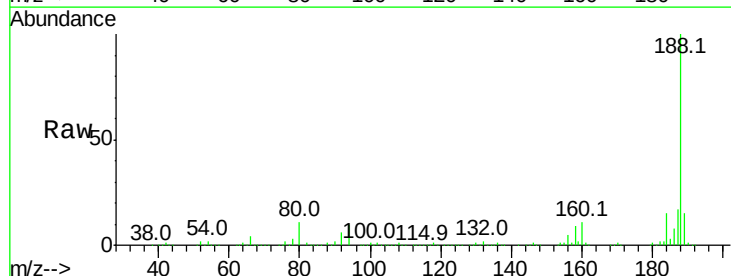
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098963.D
 Acq: 30 Sep 2017 15:27

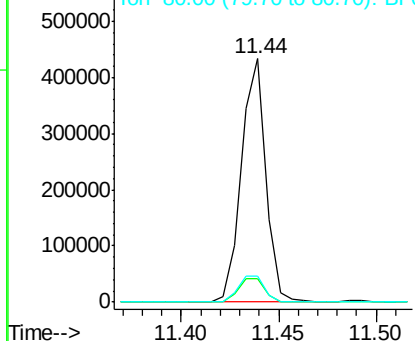
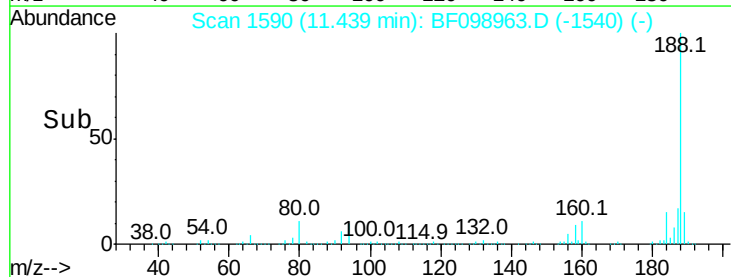
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.8	9.2	13.8

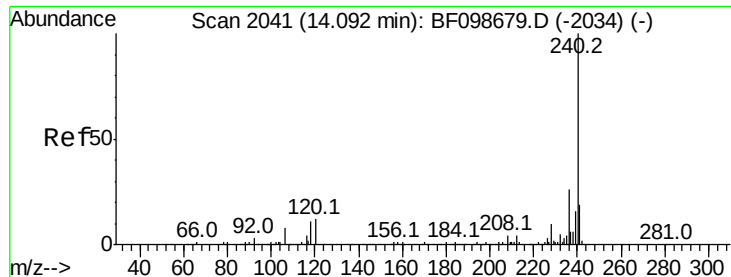


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098963.D

Acq: 30 Sep 2017 15:27

Instrument :

BNA_F

ClientSampleId :

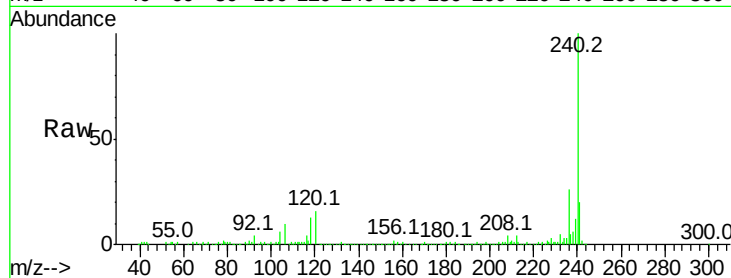
Tot Ion:240 Resp: 212824

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

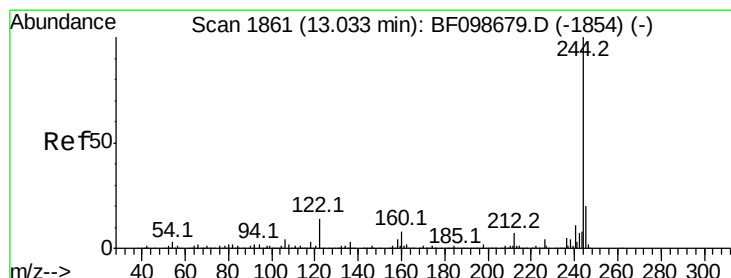
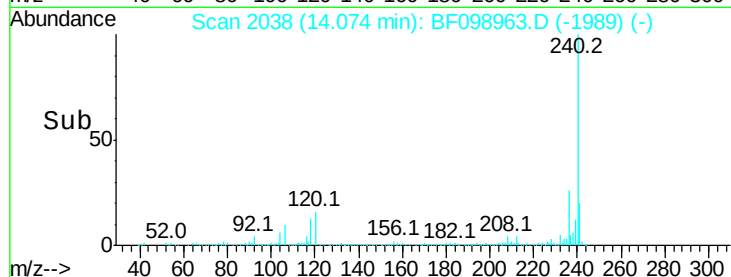
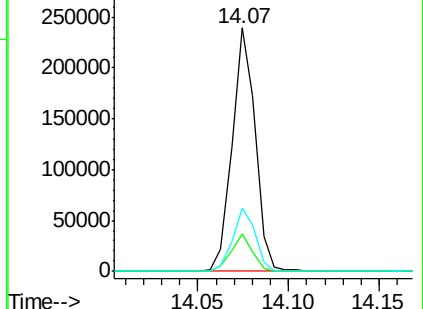
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 17.783 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098963.D

Acq: 30 Sep 2017 15:27

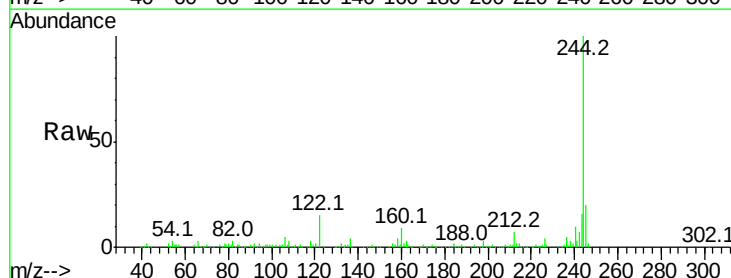
Tgt Ion:244 Resp: 166421

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

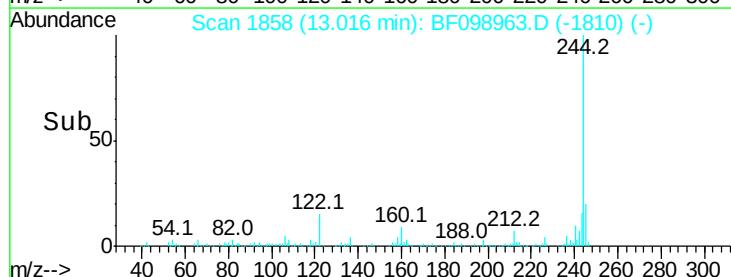
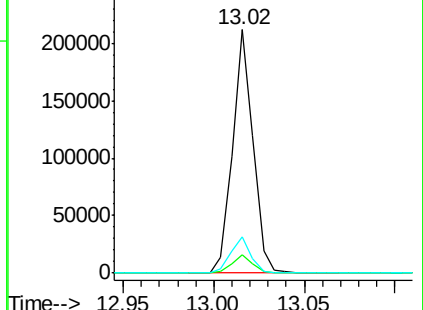
122 14.8 11.0 16.4

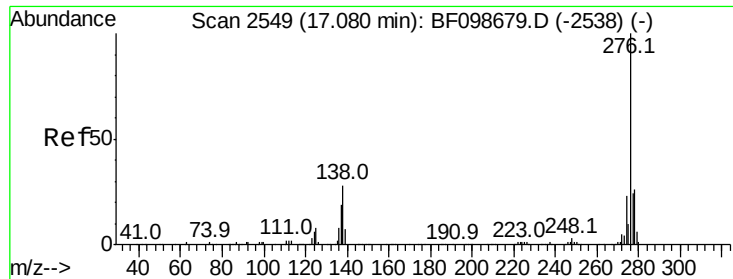


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

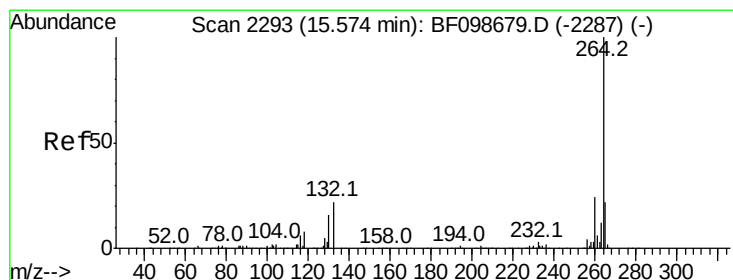
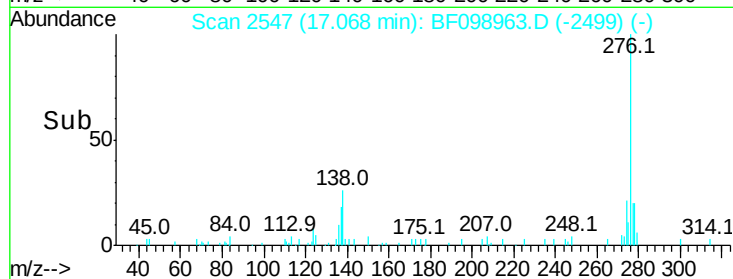
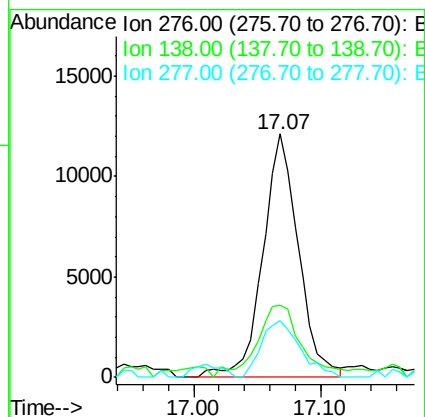
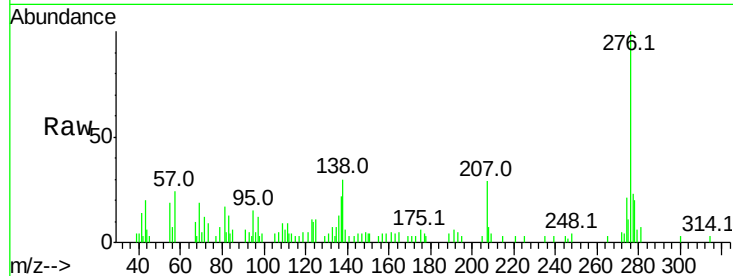




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.418 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. -0.02 min
 Lab File: BF098963.D
 Acq: 30 Sep 2017 15:27

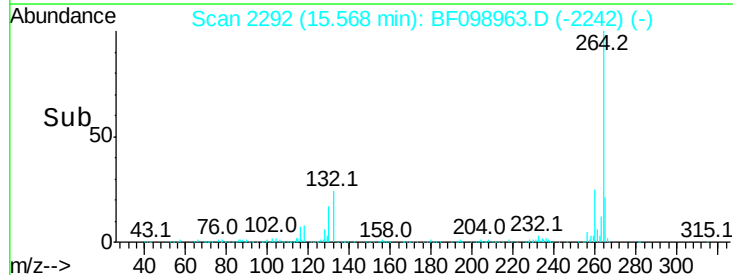
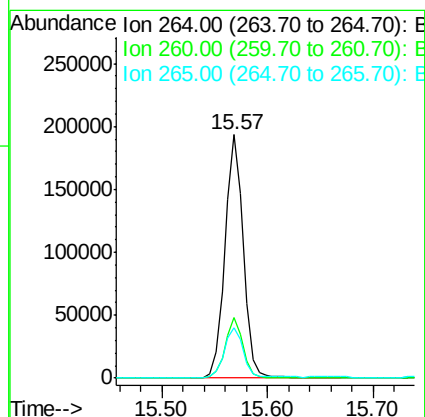
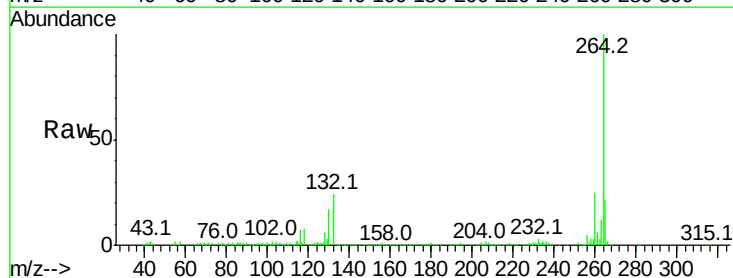
Instrument :
 BNA_F
 ClientSampleId :

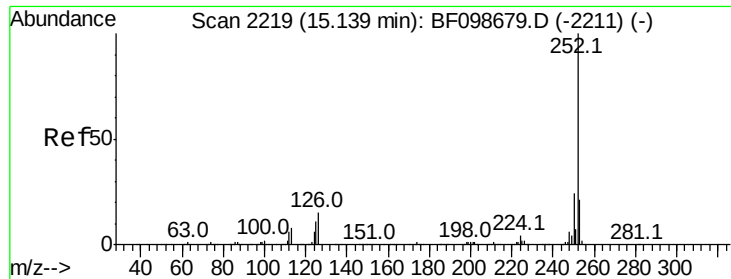
Tot Ion	Ratio	Lower	Upper
276	100		
138	37.3	25.0	37.6
277	25.3	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF098963.D
 Acq: 30 Sep 2017 15:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	20.8	17.5	26.3

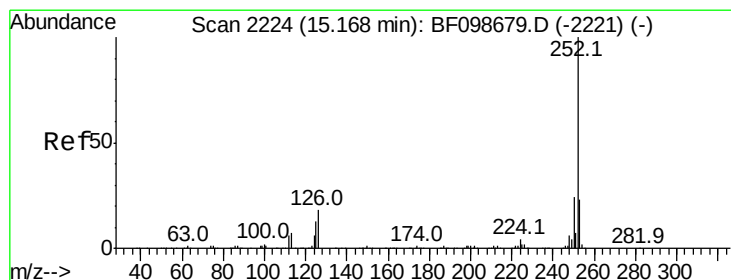
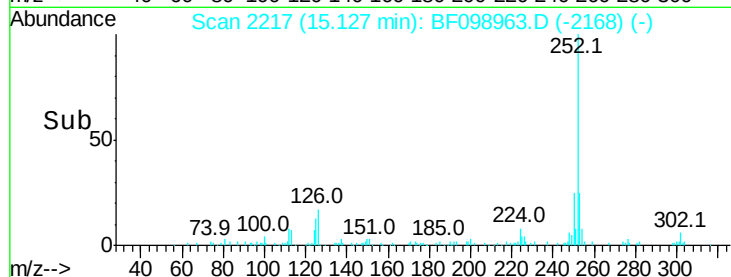
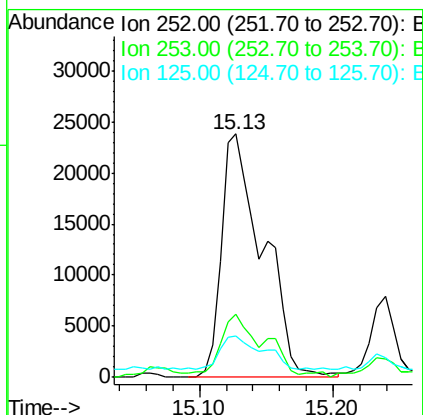
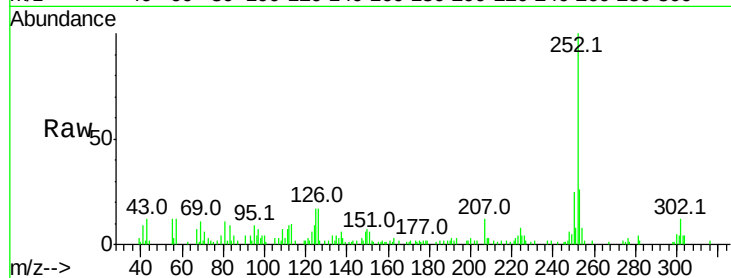




#87
Benzo(b)fluoranthene
Concen: 3.584 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098963.D
Acq: 30 Sep 2017 15:27

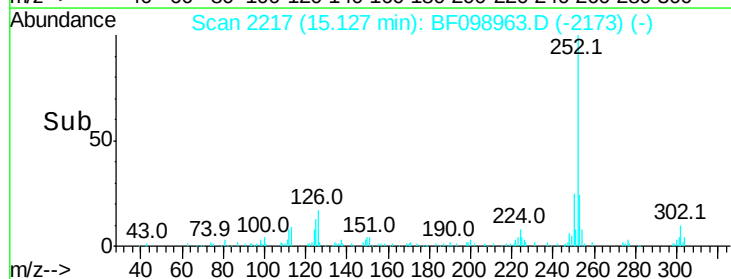
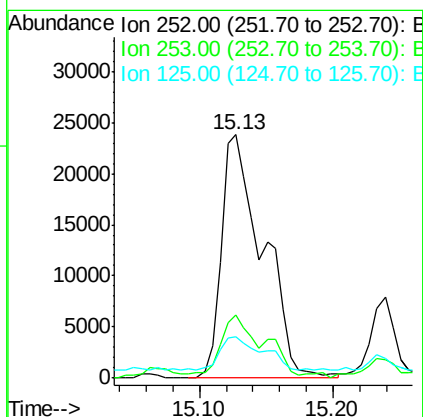
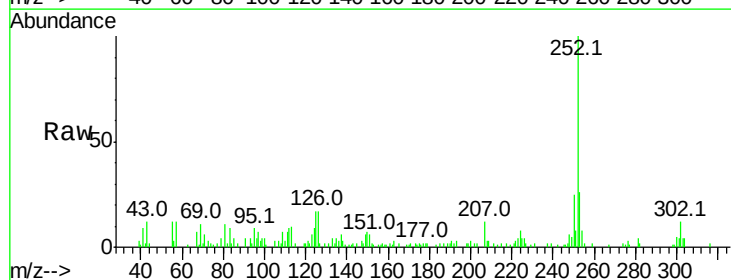
Instrument :
BNA_F
ClientSampleId :

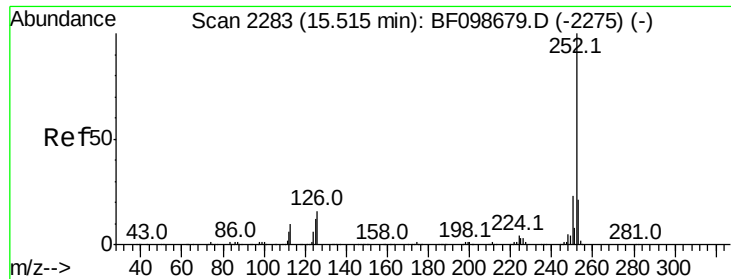
Tot Ion:252 Resp: 51723
Ion Ratio Lower Upper
252 100
253 25.9 17.0 25.6#
125 16.9 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.629 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098963.D
Acq: 30 Sep 2017 15:27

Tgt Ion:252 Resp: 51723
Ion Ratio Lower Upper
252 100
253 25.9 17.9 26.9
125 16.9 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.345 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.02 min

Lab File: BF098963.D

Acq: 30 Sep 2017 15:27

Instrument :

BNA_F

ClientSampleId :

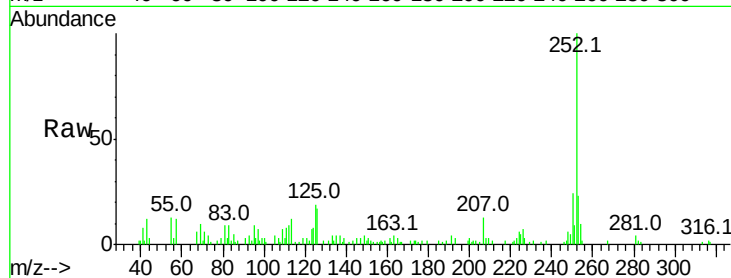
Tot Ion:252 Resp: 31056

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

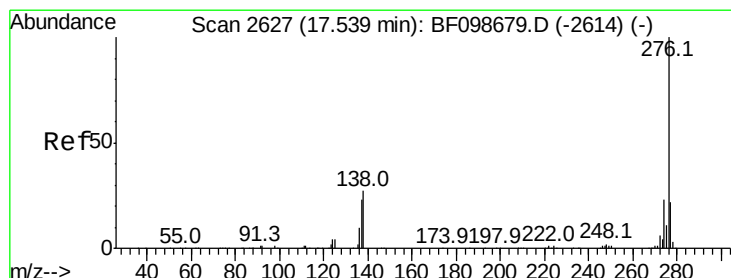
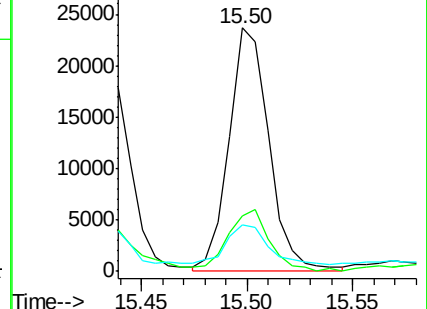
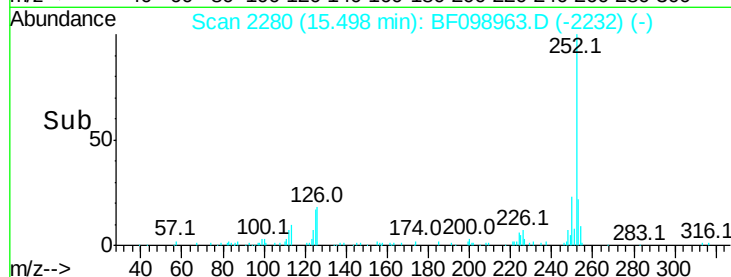
125 19.2 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 2.313 ng

RT: 17.52 min Scan# 2624

Delta R.T. -0.02 min

Lab File: BF098963.D

Acq: 30 Sep 2017 15:27

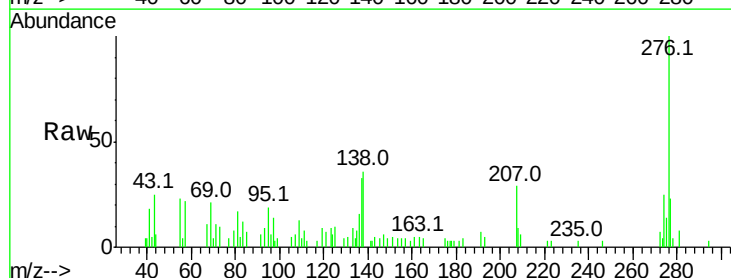
Tgt Ion:276 Resp: 24235

Ion Ratio Lower Upper

276 100

277 22.5 17.9 26.9

138 36.5 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

