

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098666.D
 Acq On : 20 Sep 2017 18:04
 Operator : SJ/JU
 Sample : I5285-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 05:20:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

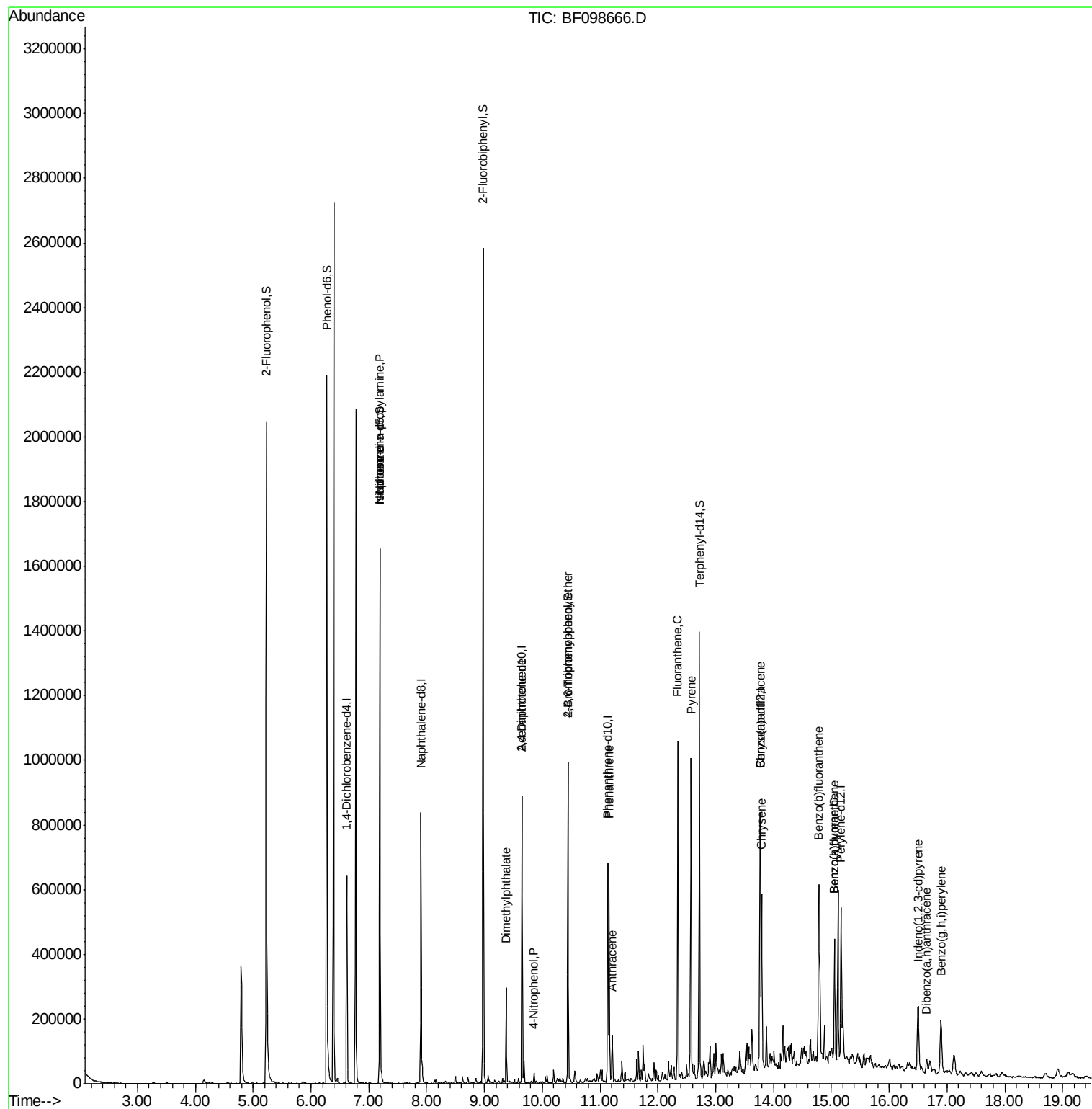
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	93673	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	371724	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	157196	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	227606	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	181679	20.00	ng	-0.01
86) Perylene-d12	15.17	264	190373	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	581698	91.81	ng	-0.01
7) Phenol-d6	6.27	99	738839	91.85	ng	-0.02
23) Nitrobenzene-d5	7.19	82	494064	74.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.45	330	103404	98.56	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	724417	78.11	ng	-0.02
78) Terphenyl-d14	12.72	244	422960	50.25	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	66360	13.12	ng	# 79
25) Isophorone	7.19	82	494059	36.62	ng	# 67
49) Dimethylphthalate	9.38	163	118038	9.70	ng	# 97
55) 4-Nitrophenol	9.86	139	4353	2.51	ng	# 25
56) 2,4-Dinitrotoluene	9.65	165	19808	6.52	ng	# 34
66) 4-Bromophenyl-phenylether	10.45	248	7721	3.57	ng	# 1
70) Phenanthrene	11.16	178	244457	20.26	ng	97
71) Anthracene	11.21	178	56011	4.52	ng	95
74) Fluoranthene	12.35	202	391290	32.39	ng	97
77) Pyrene	12.57	202	392778	27.41	ng	99
80) Benzo(a)anthracene	13.76	228	224339	21.06	ng	99
82) Chrysene	13.80	228	185289	17.21	ng	96
85) Indeno(1,2,3-cd)pyrene	16.50	276	113255	14.99	ng	# 86
87) Benzo(b)fluoranthene	14.78	252	365143	30.50	ng	98
88) Benzo(k)fluoranthene	15.06	252	148551	13.29	ng	98
89) Benzo(a)pyrene	15.06	252	151513	14.21	ng	96
90) Dibenzo(a,h)anthracene	16.65	278	22789	2.94	ng	97
91) Benzo(g,h,i)perylene	16.90	276	119823	15.36	ng	# 89

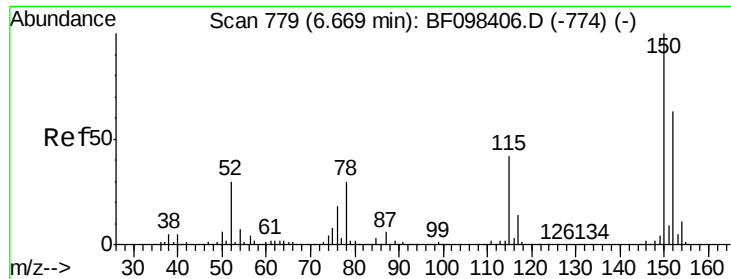
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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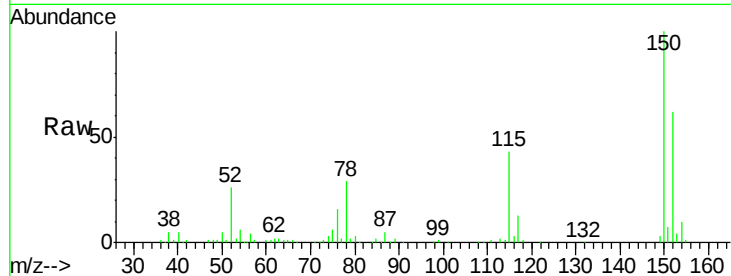


#1

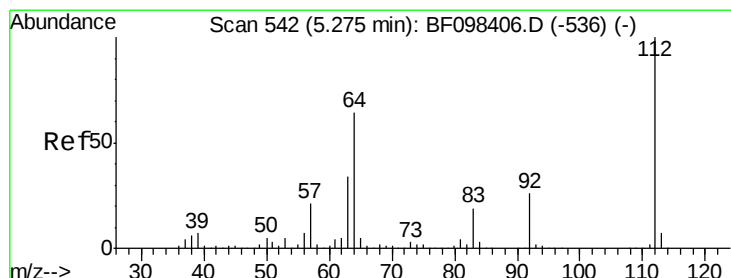
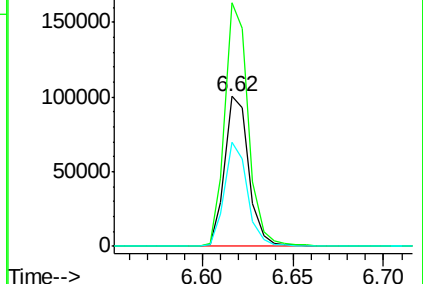
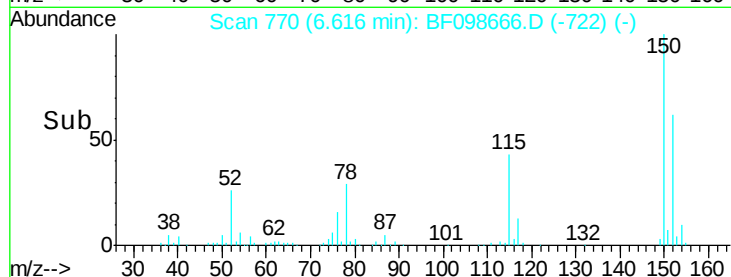
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 93673
Ion Ratio Lower Upper
152 100
150 162.5 126.2 189.2
115 69.2 52.2 78.2



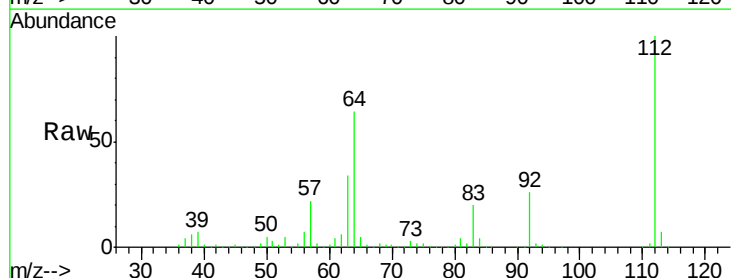
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



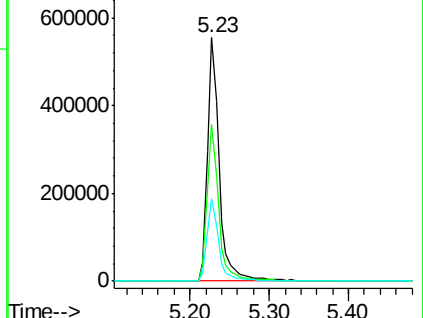
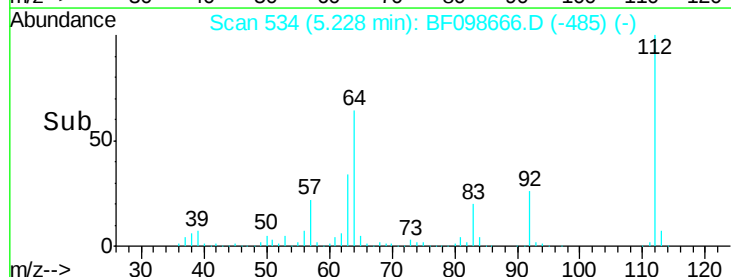
#5

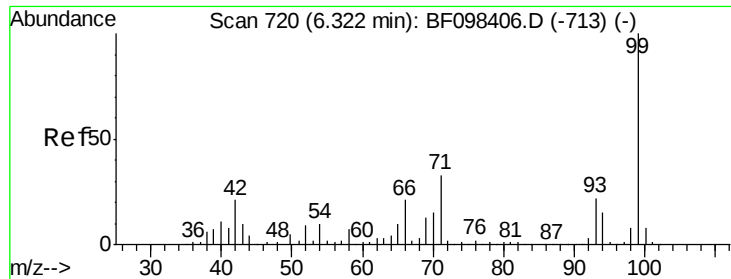
2-Fluorophenol
Concen: 91.81 ng
RT: 5.23 min Scan# 534
Delta R.T. -0.01 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Tgt Ion:112 Resp: 581698
Ion Ratio Lower Upper
112 100
64 64.5 46.0 69.0
63 33.9 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: 91.85 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Instrument :

BNA_F

ClientSampled :

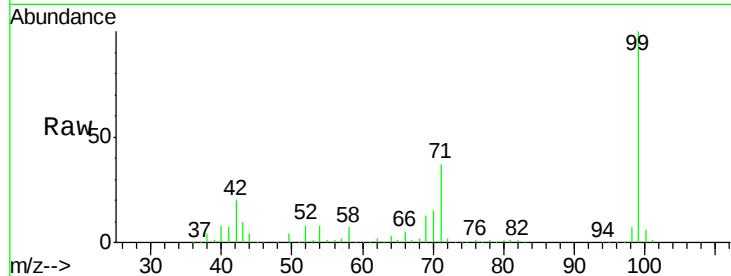
Tot Ion: 99 Resp: 738839

Ion Ratio Lower Upper

99 100

42 20.3 13.5 20.3#

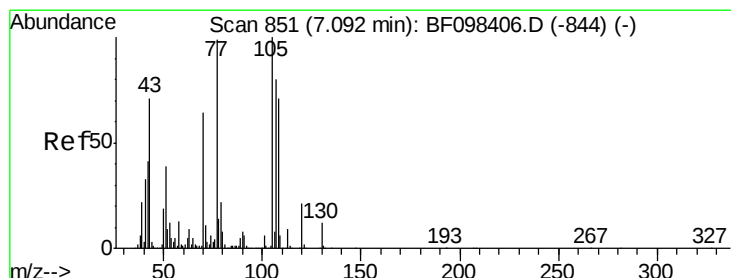
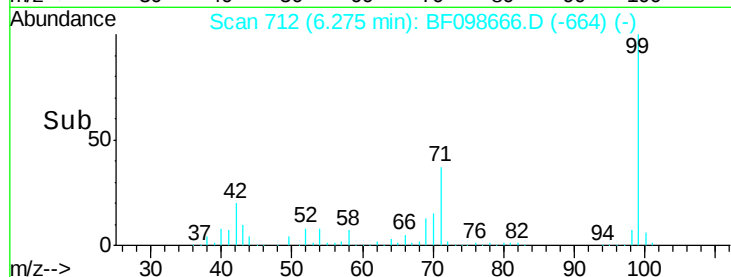
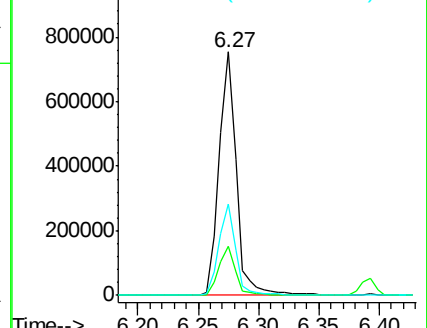
71 37.3 24.5 36.7#



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.12 ng

RT: 7.19 min Scan# 868

Delta R.T. 0.14 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Tgt Ion: 70 Resp: 66360

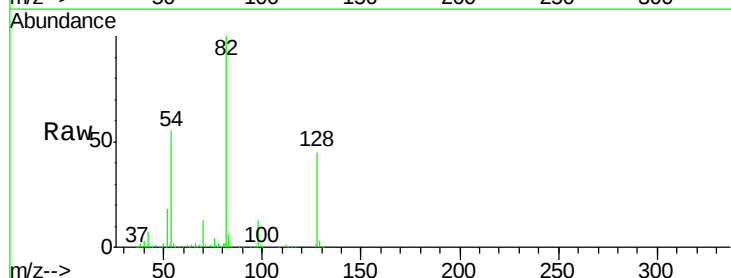
Ion Ratio Lower Upper

70 100

42 48.5 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

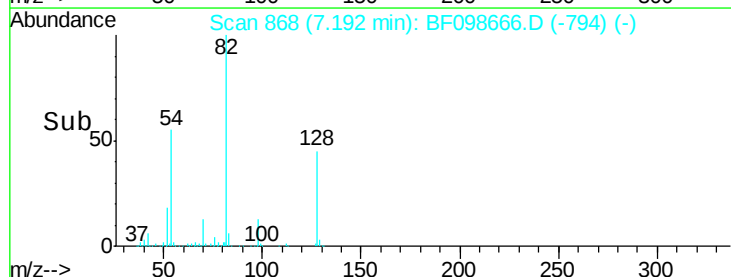
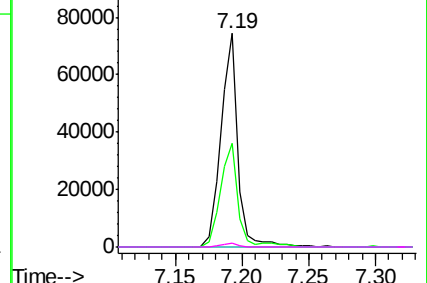


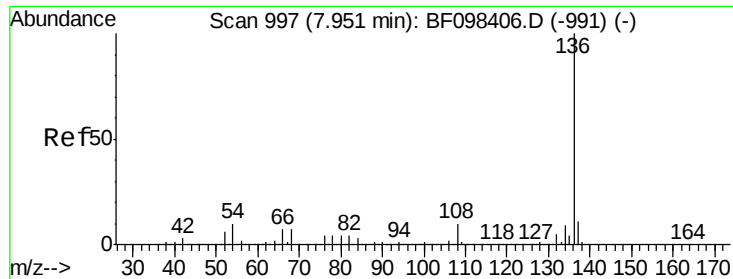
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

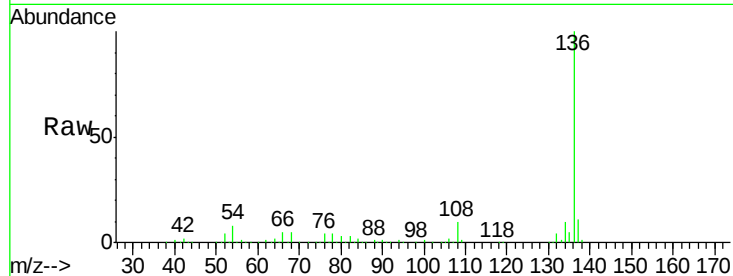




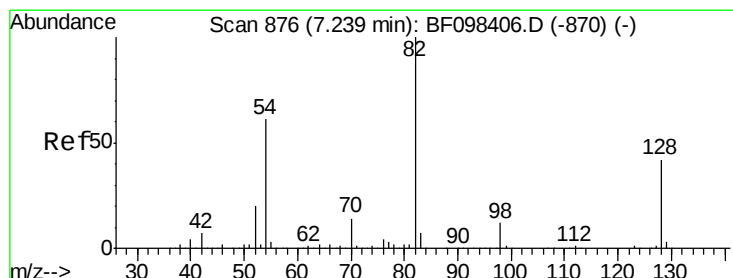
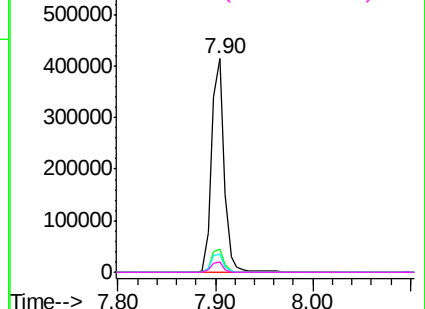
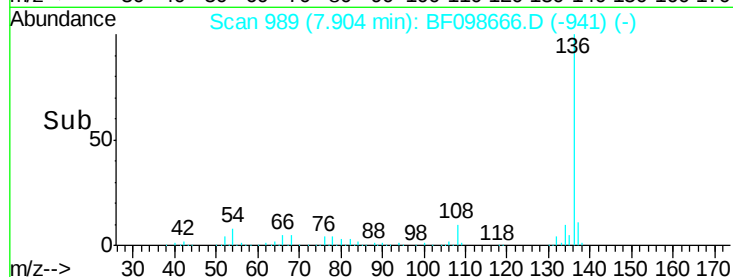
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	371724
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.5 12.7
54	8.1	4.9 7.3#
68	4.9	4.1 6.1

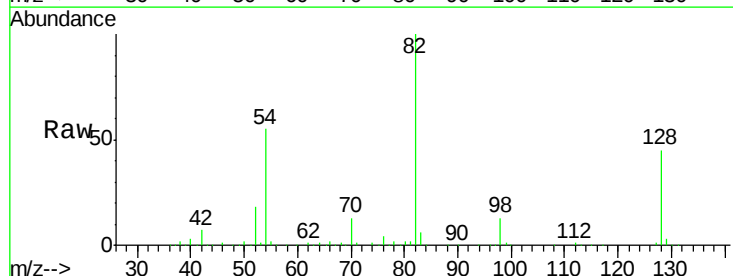


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

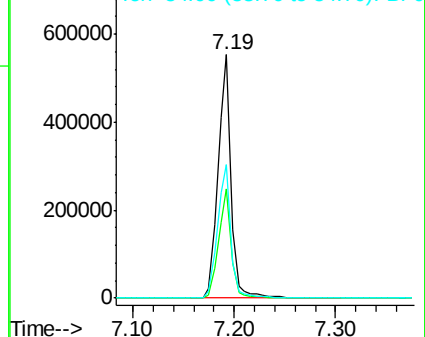
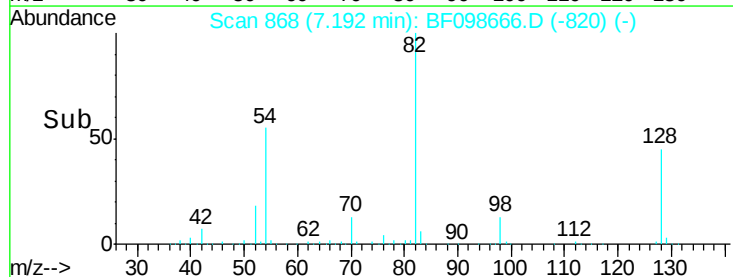


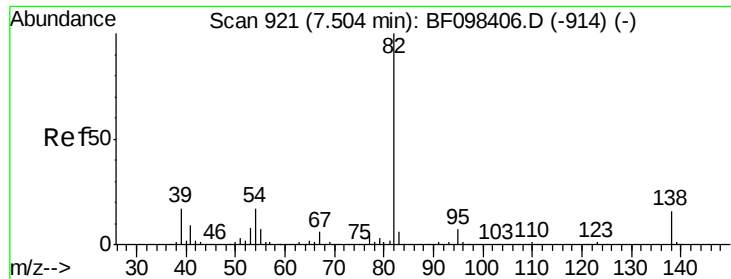
#23
Nitrobenzene-d5
Concen: 74.10 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Tgt Ion: 82	Resp:	494064
Ion	Ratio	Lower Upper
82	100	
128	45.0	34.0 51.0
54	54.9	42.2 63.2



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: 36.62 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.28 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Instrument :

BNA_F

ClientSampleId :

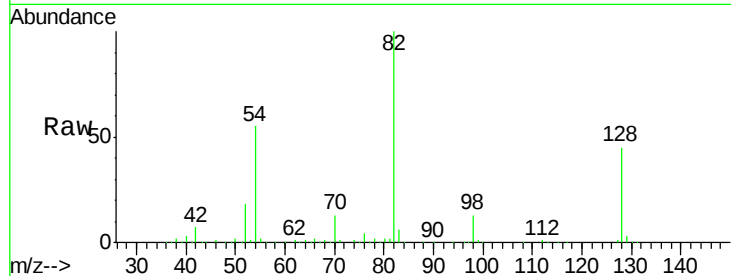
Tot Ion: 82 Resp: 494059

Ion Ratio Lower Upper

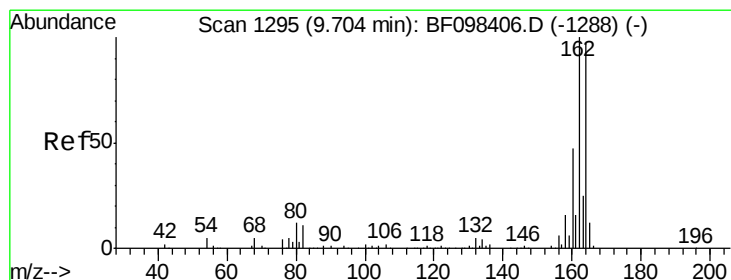
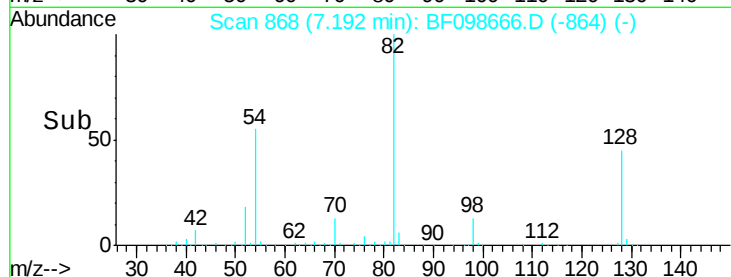
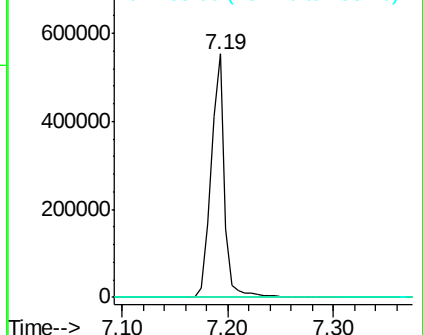
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

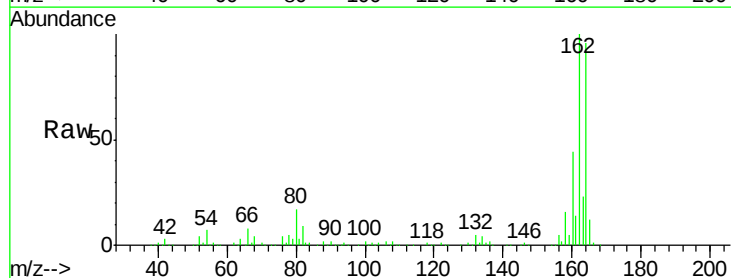
Tgt Ion: 164 Resp: 157196

Ion Ratio Lower Upper

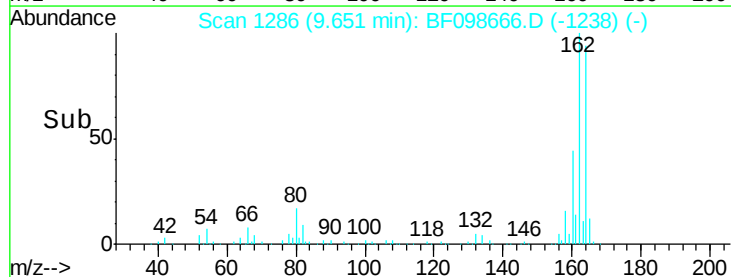
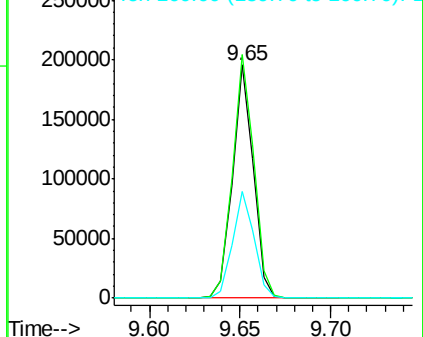
164 100

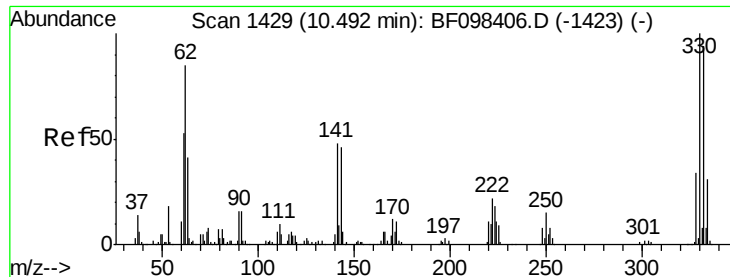
162 104.4 82.6 123.8

160 45.9 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

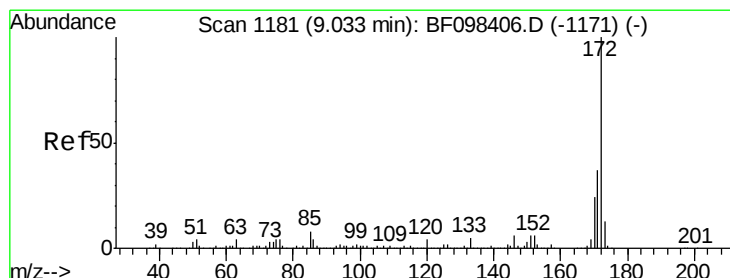
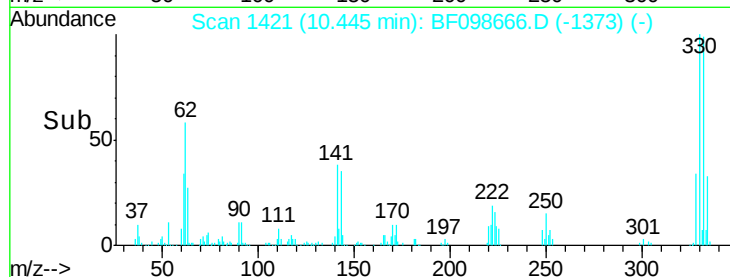
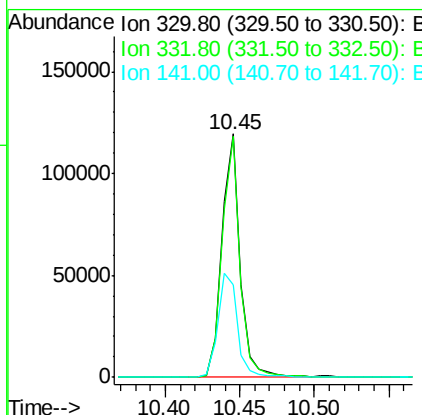
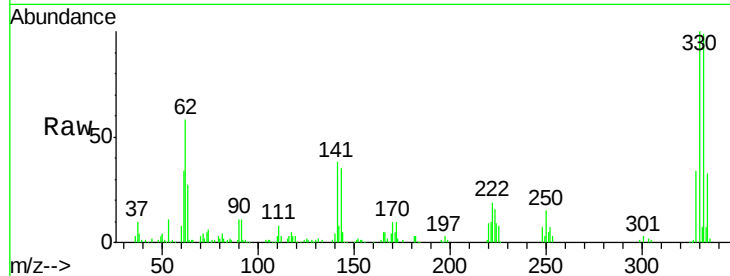




#41
 2,4,6-Tribromophenol
 Concen: 98.56 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

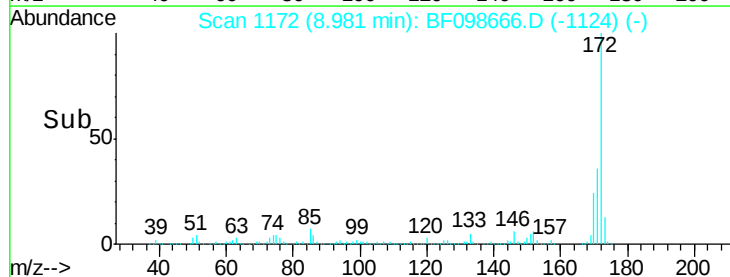
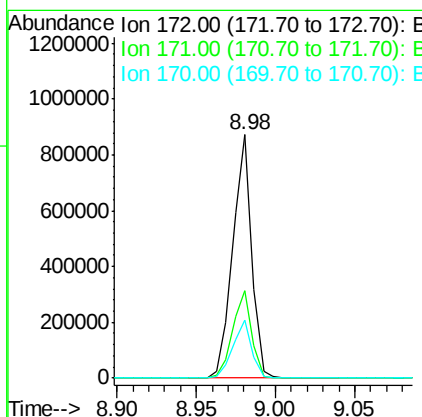
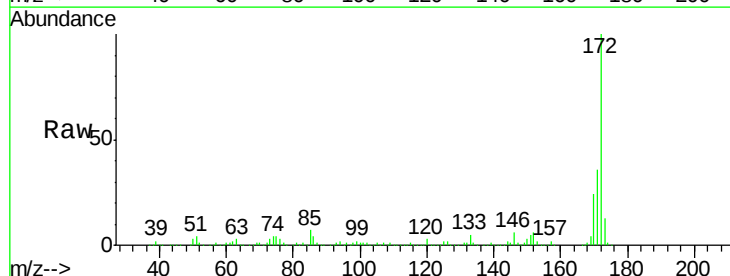
Instrument :
 BNA_F
 ClientSampleId :

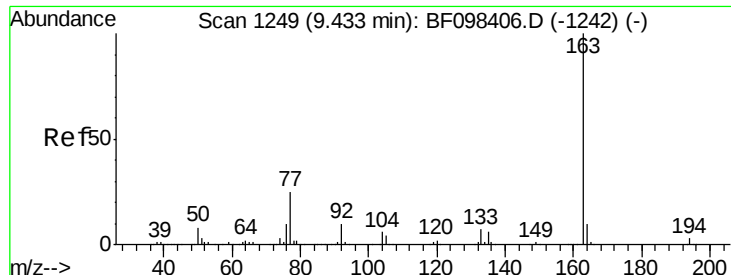
Tot Ion:330 Resp: 103404
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 45.9 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 78.11 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Tgt Ion:172 Resp: 724417
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.6 19.8 29.8

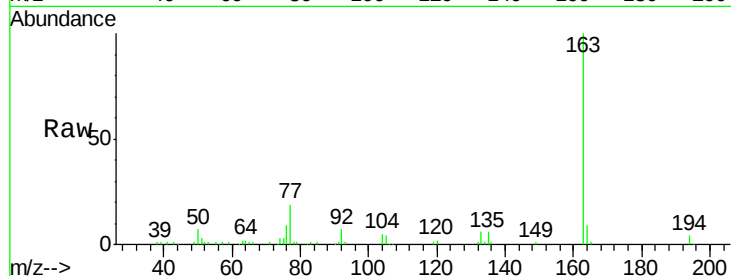




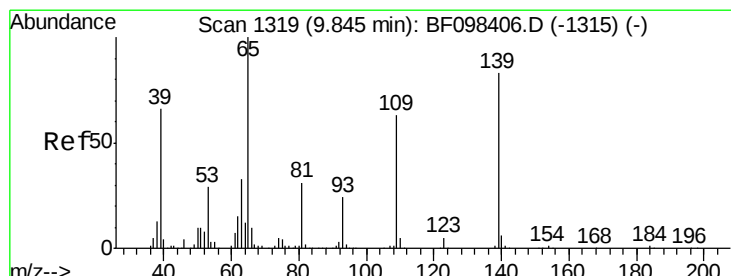
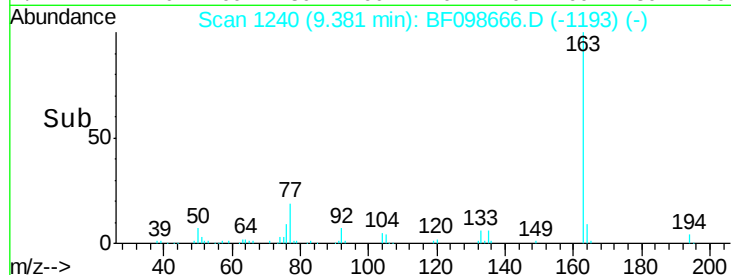
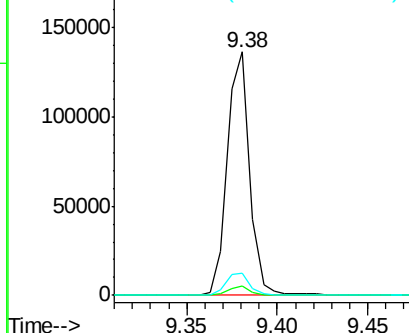
#49
 Dimethylphthalate
 Concen: 9.70 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.02 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.6	4.0#
164	9.1	8.4	12.6

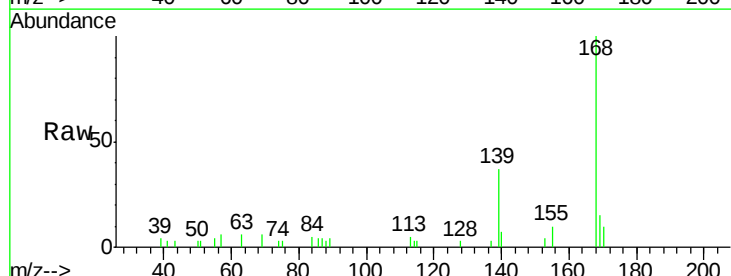


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

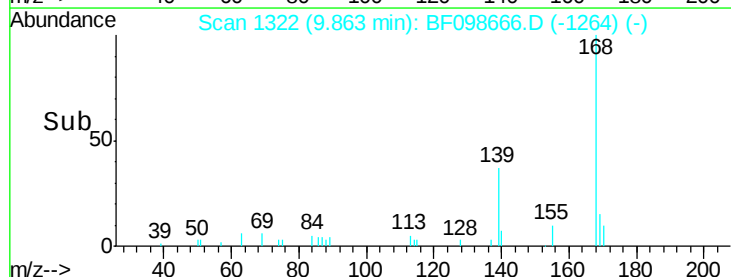
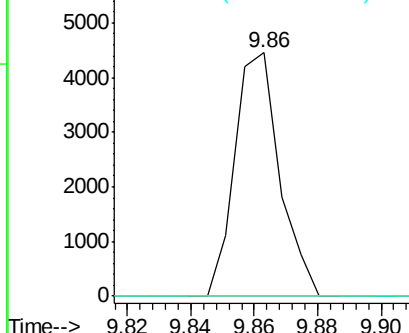


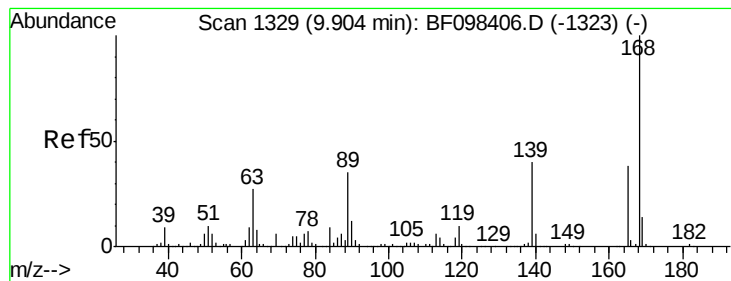
#55
 4-Nitrophenol
 Concen: 2.51 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.04 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

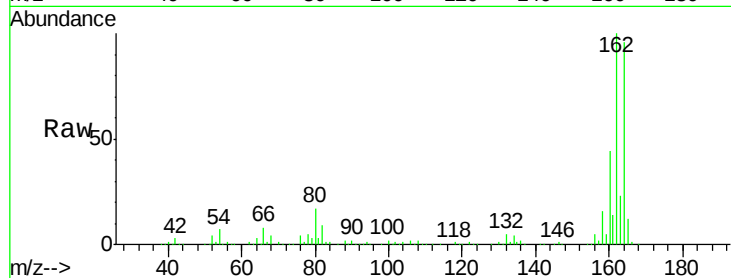




#56
 2,4-Dinitrotoluene
 Concen: 6.52 ng
 RT: 9.65 min Scan# 1286
 Delta R.T. -0.23 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	2.3	46.4	69.6#
182	0.0	1.8	2.6#

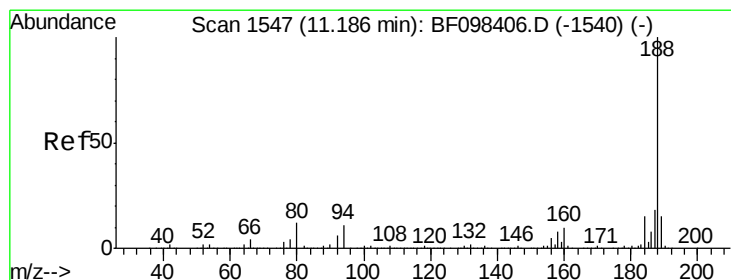
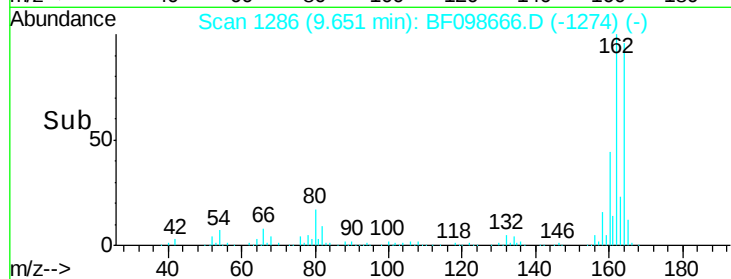
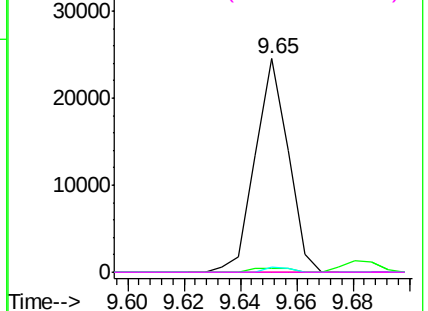


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

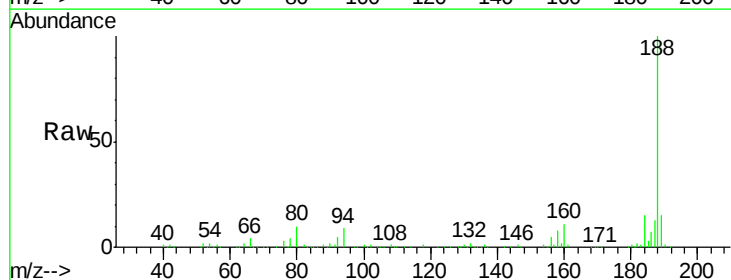
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 1538
 Delta R.T. -0.02 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

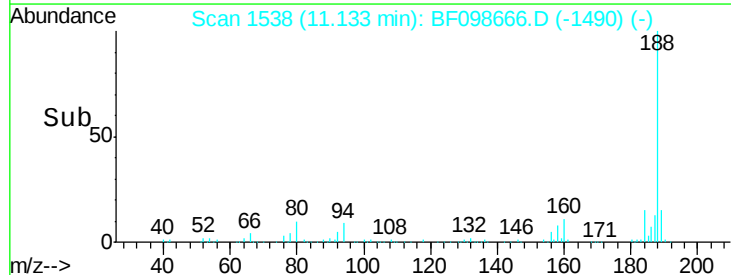
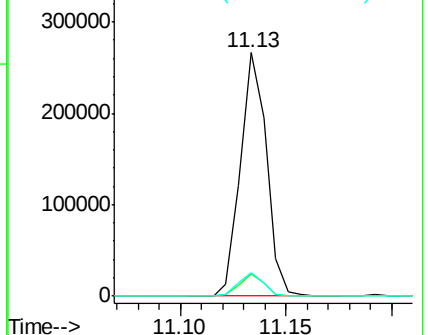
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	9.4	14.2#
80	9.8	10.2	15.2#

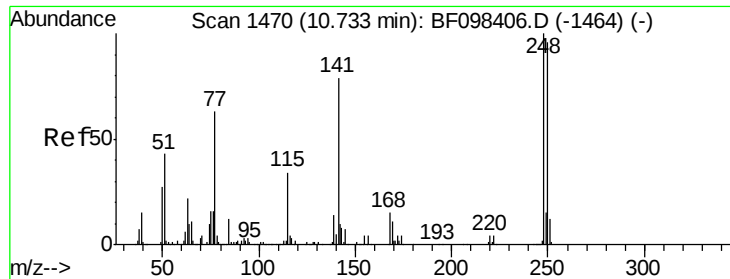


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

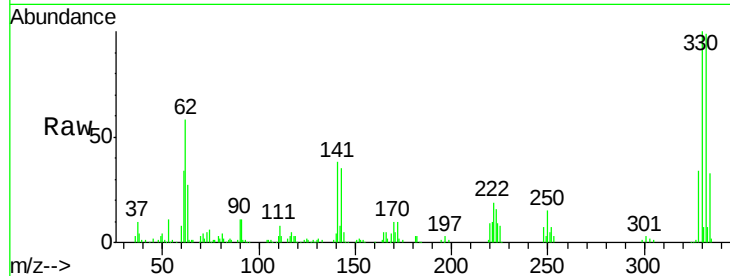




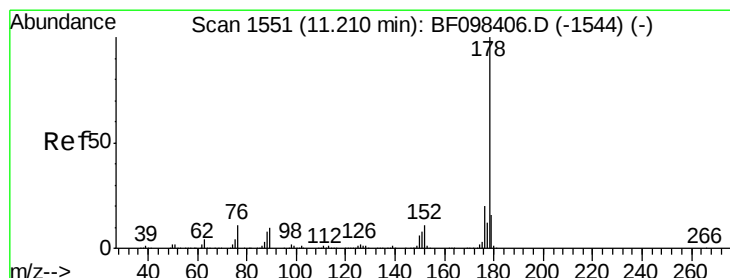
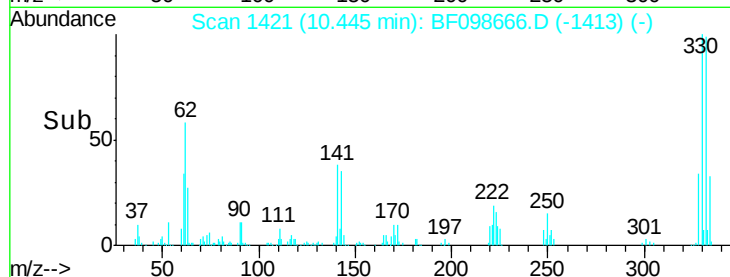
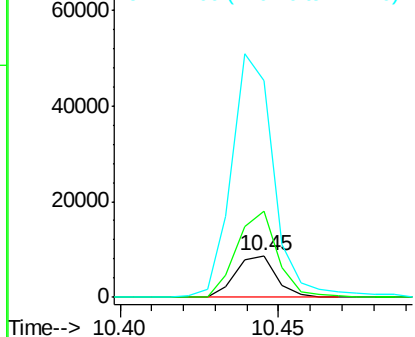
#66
 4-Bromophenyl-phenylether
 Concen: 3.57 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.25 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7721
 Ion Ratio Lower Upper
 248 100
 250 206.2 76.8 115.2#
 141 523.1 68.6 103.0#

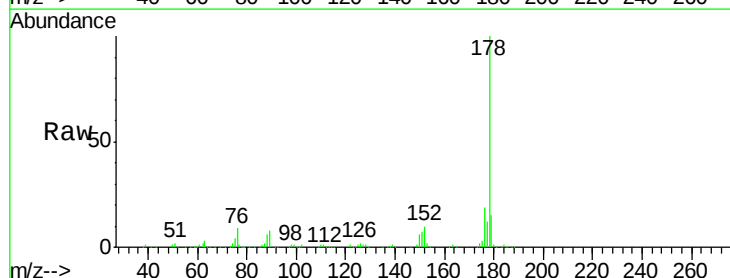


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

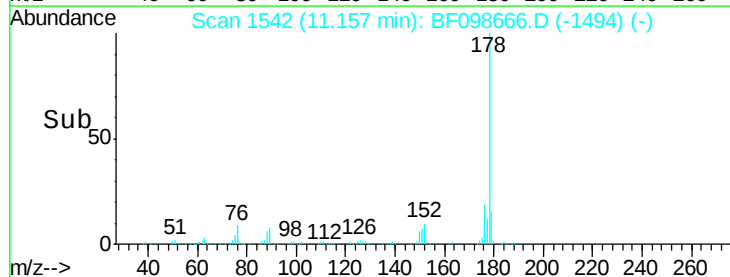
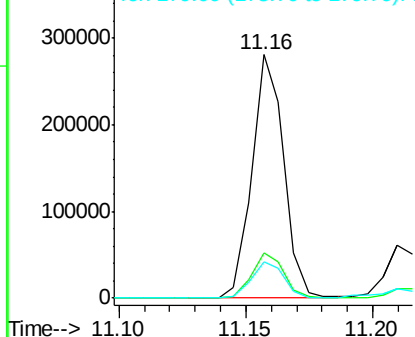


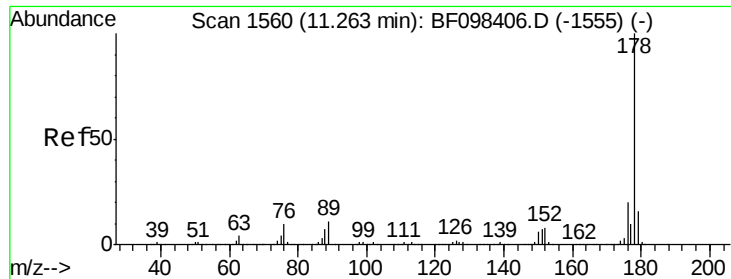
#70
 Phenanthrene
 Concen: 20.26 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. -0.02 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Tgt Ion:178 Resp: 244457
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.2 24.4
 179 14.9 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

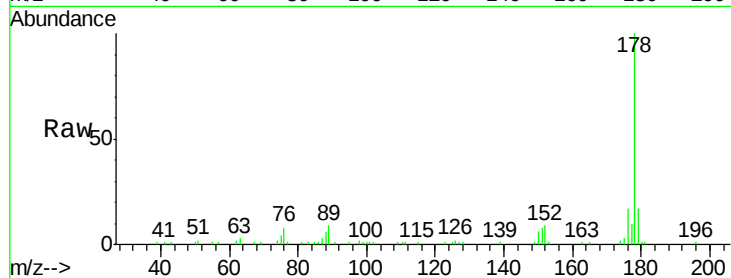




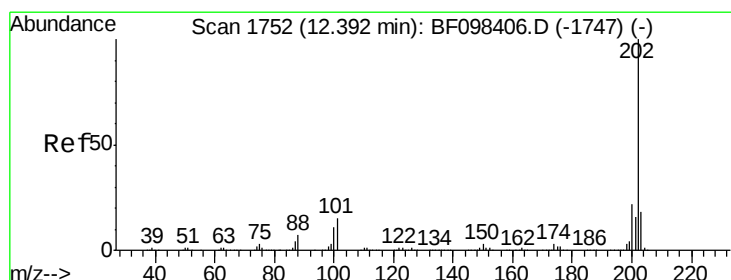
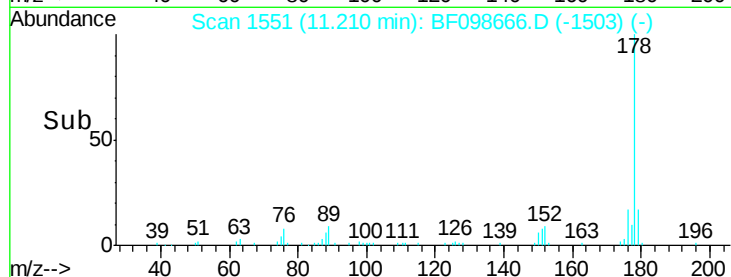
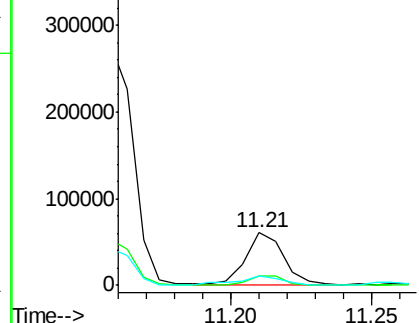
#71
 Anthracene
 Concen: 4.52 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 56011
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.8 23.8
 179 17.4 12.7 19.1

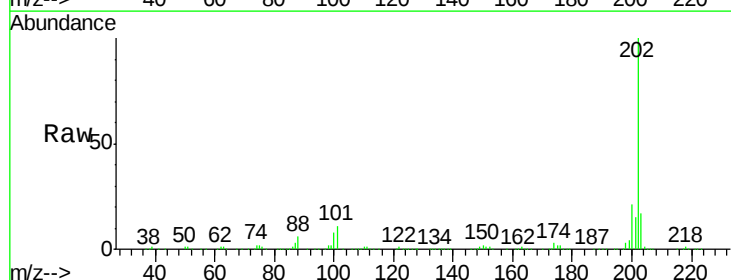


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

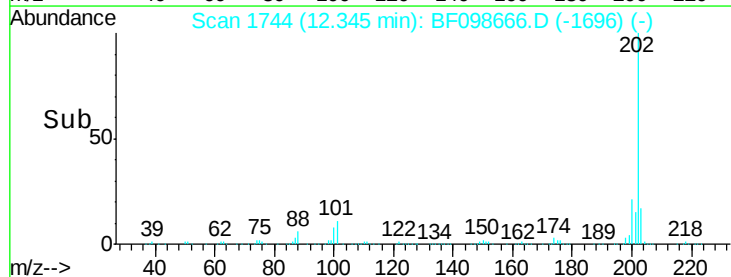
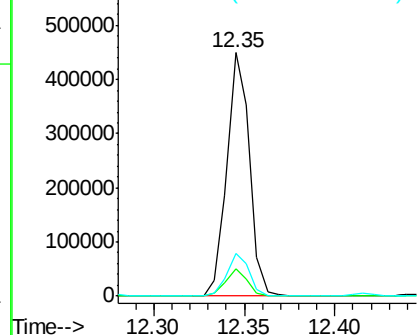


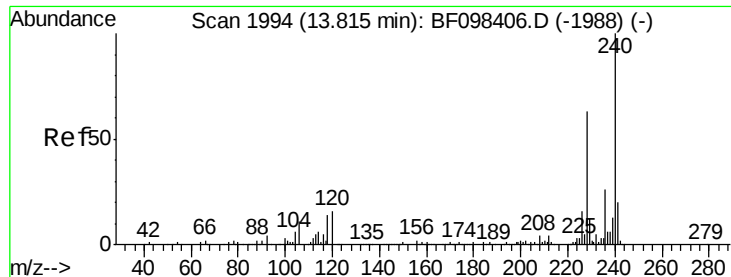
#74
 Fluoranthene
 Concen: 32.39 ng
 RT: 12.35 min Scan# 1744
 Delta R.T. -0.02 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Tgt Ion:202 Resp: 391290
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 33.2
 203 17.3 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: 20.00 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Instrument :

BNA_F

ClientSampled :

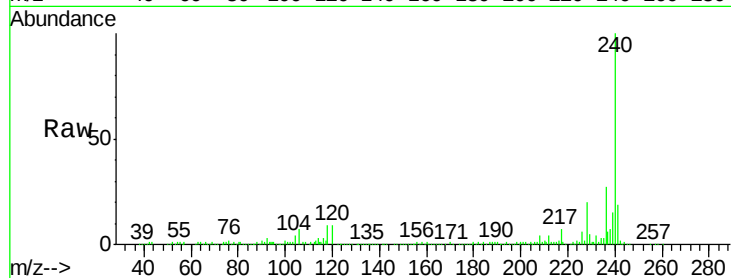
Tot Ion:240 Resp: 181679

Ion Ratio Lower Upper

240 100

120 9.2 5.8 8.8#

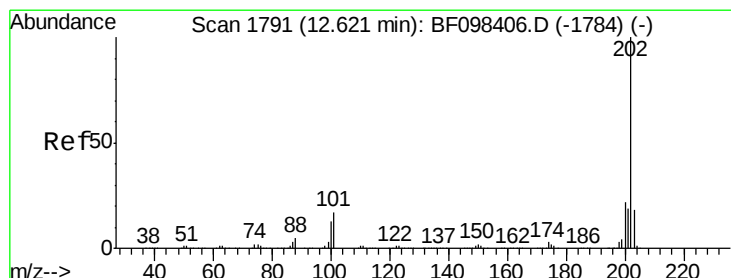
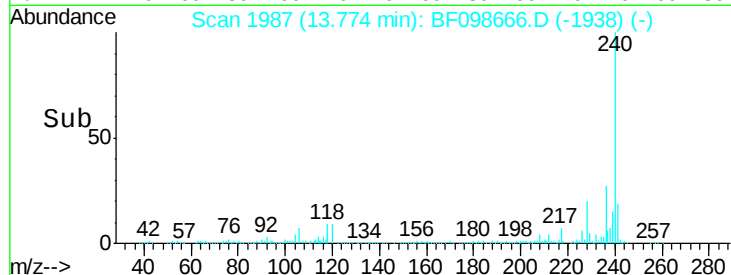
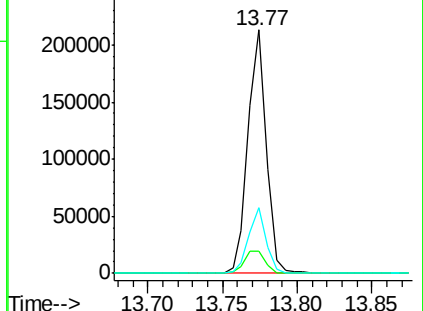
236 27.0 20.5 30.7



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

Pyrene

Concen: 27.41 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

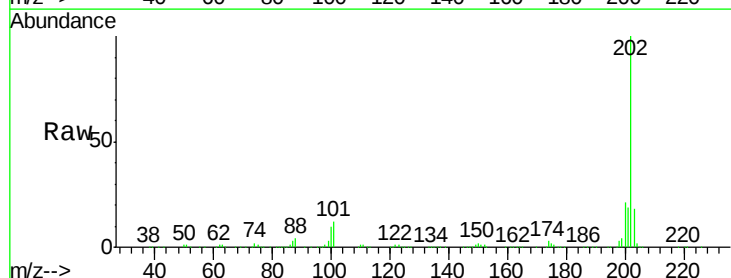
Tgt Ion:202 Resp: 392778

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

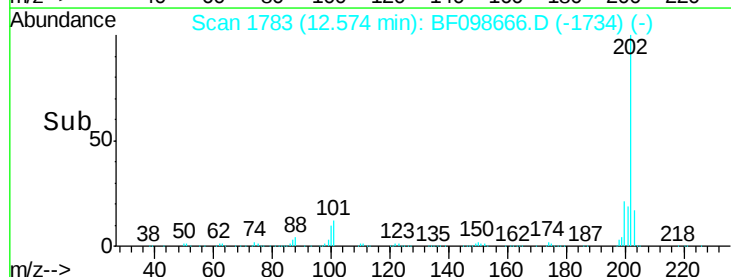
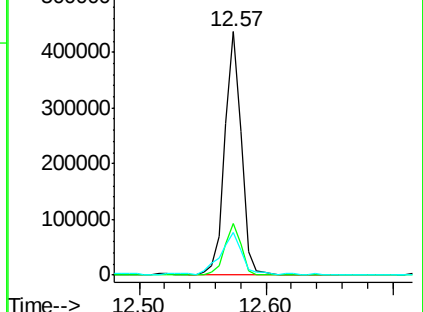
203 17.5 14.4 21.6

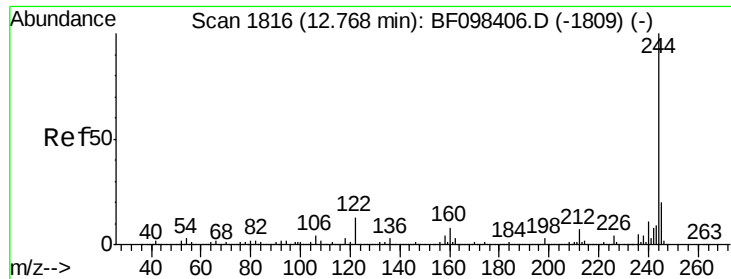


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

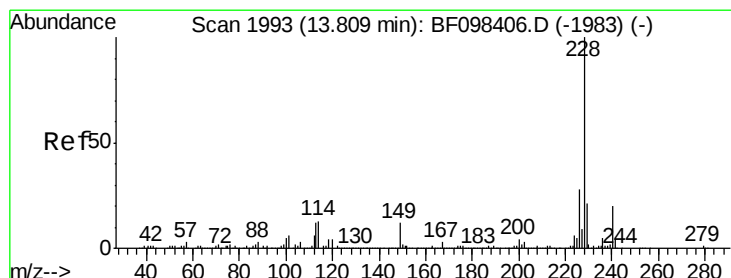
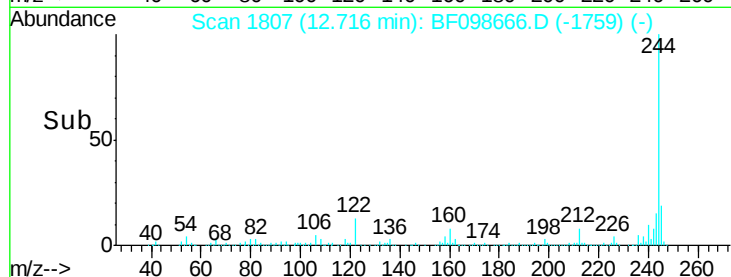
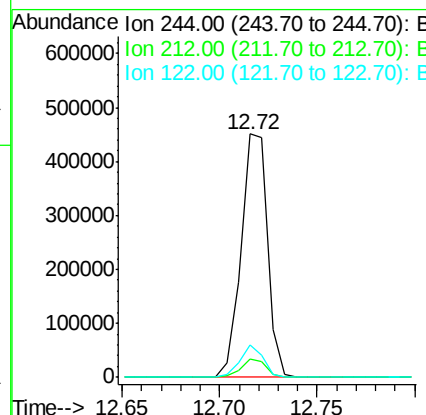
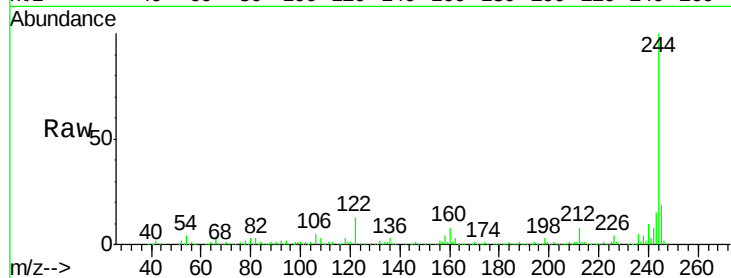




#78
 Terphenyl-d14
 Concen: 50.25 ng
 RT: 12.72 min Scan# 1807
 Delta R.T. -0.02 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

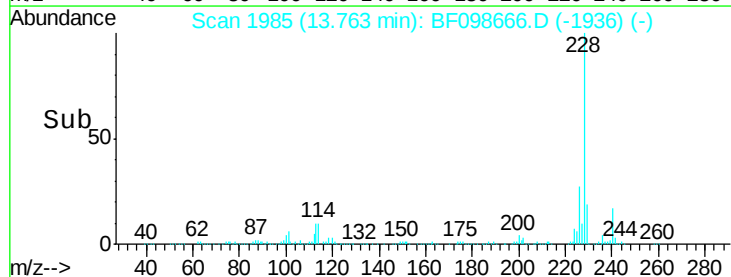
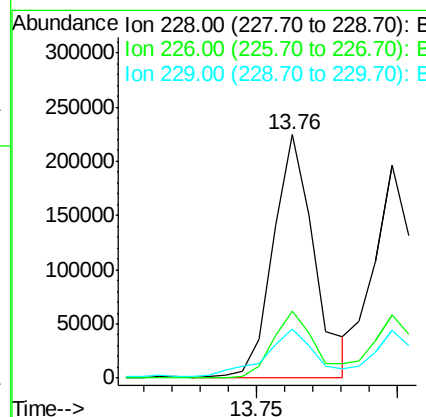
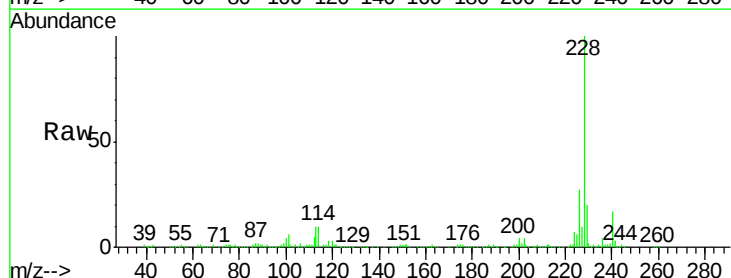
Instrument :
 BNA_F
 ClientSampleId :

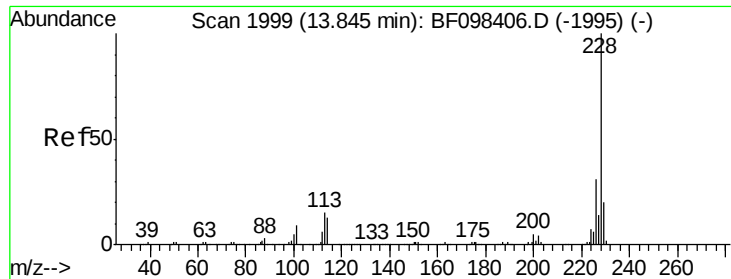
Tot Ion:244 Resp: 422960
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 21.06 ng
 RT: 13.76 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Tgt Ion:228 Resp: 224339
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.6 33.8
 229 20.1 16.3 24.5





#82

Chrysene

Concen: 17.21 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Instrument :

BNA_F

ClientSampled :

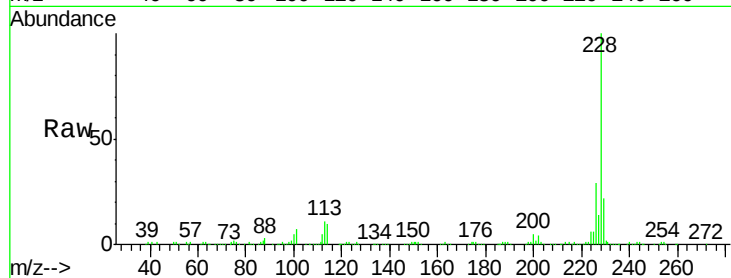
Tot Ion:228 Resp: 185289

Ion Ratio Lower Upper

228 100

226 29.5 24.9 37.3

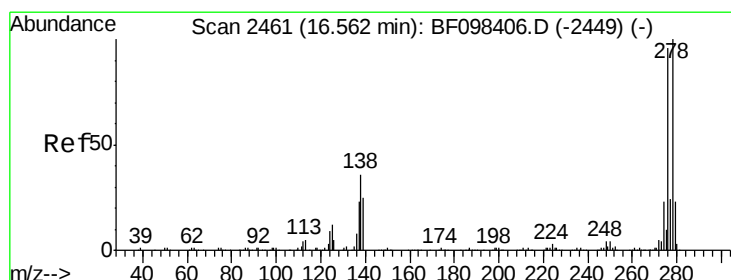
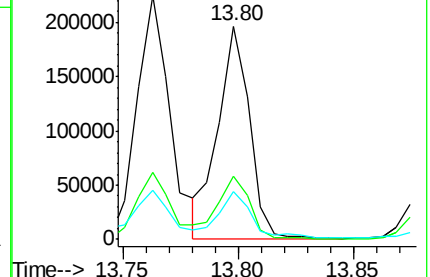
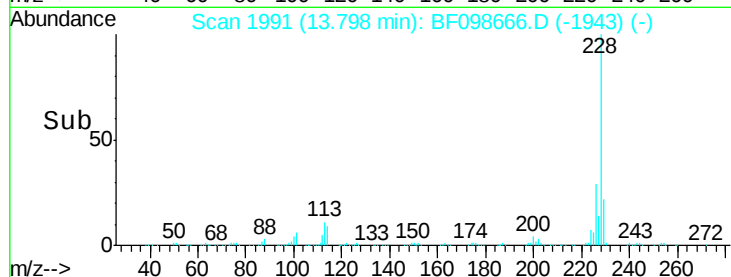
229 22.2 15.8 23.6



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: 14.99 ng

RT: 16.50 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

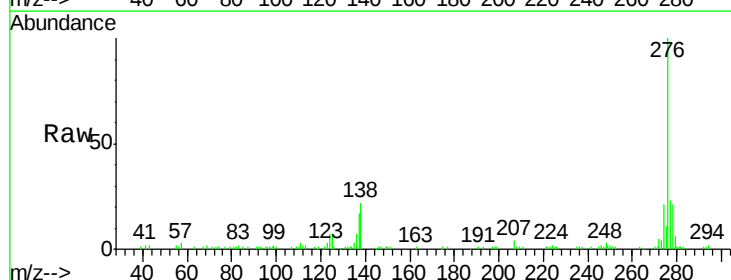
Tgt Ion:276 Resp: 113255

Ion Ratio Lower Upper

276 100

138 23.1 27.8 41.6#

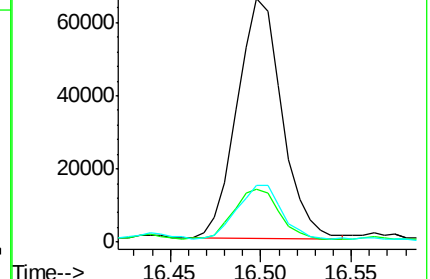
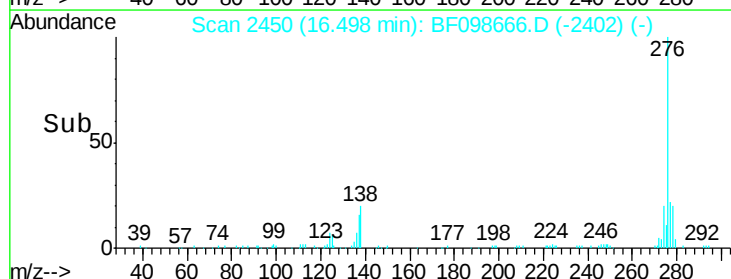
277 22.8 20.2 30.4

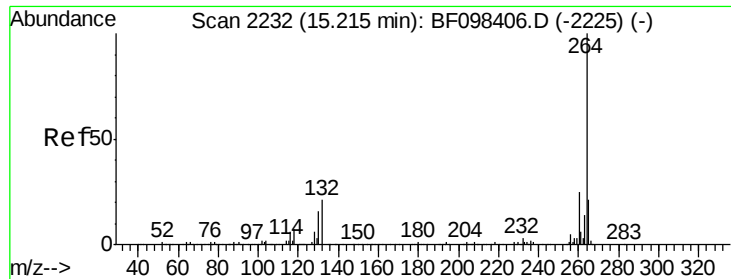


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

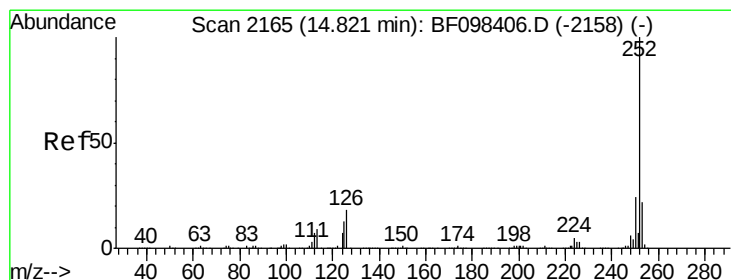
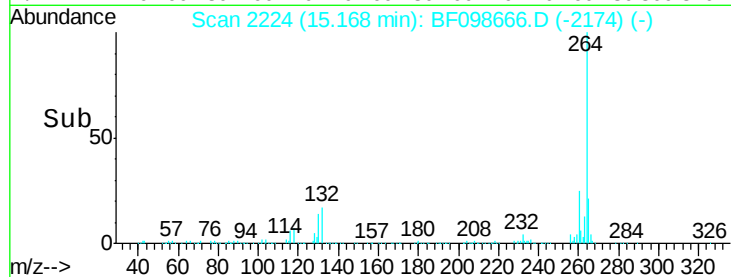
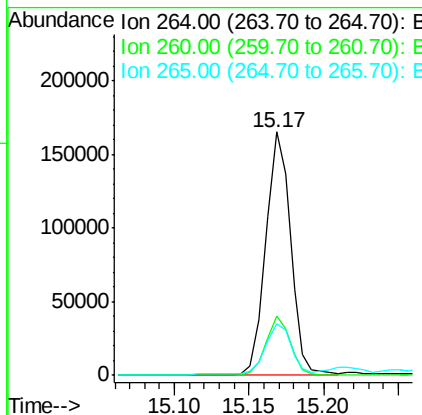
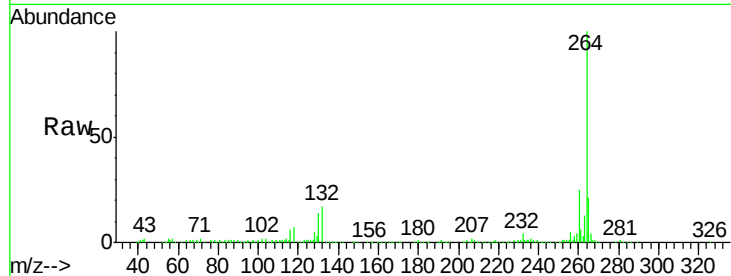




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

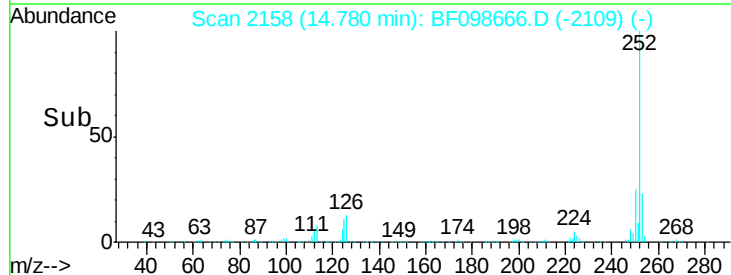
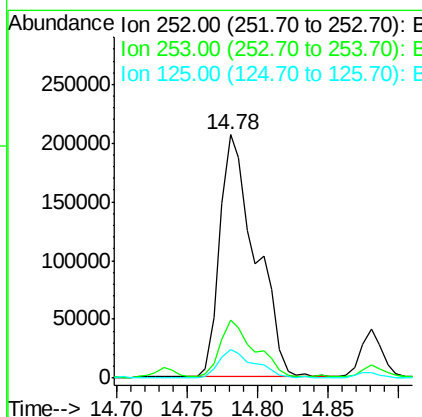
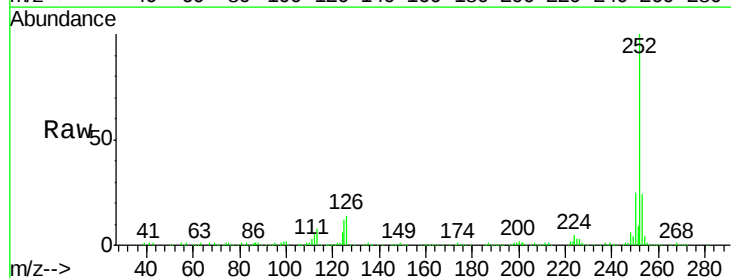
Instrument :
BNA_F
ClientSampleId :

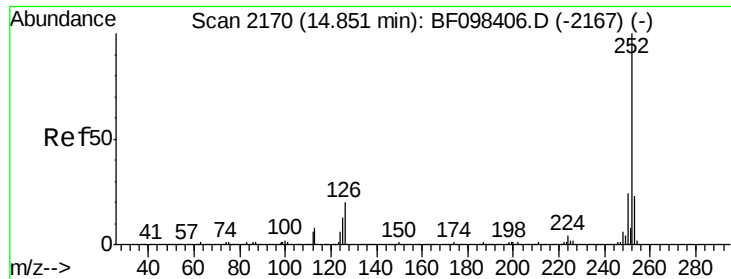
Tot Ion:264 Resp: 190373
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 21.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 30.50 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Tgt Ion:252 Resp: 365143
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 11.7 9.8 14.8

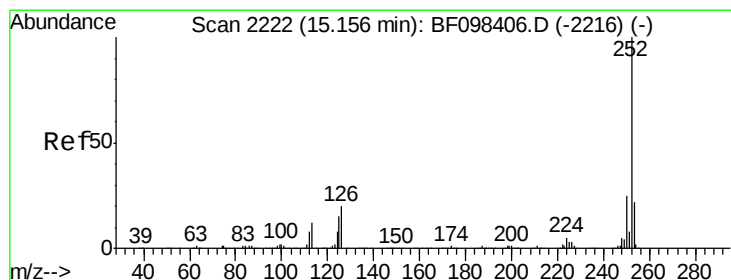
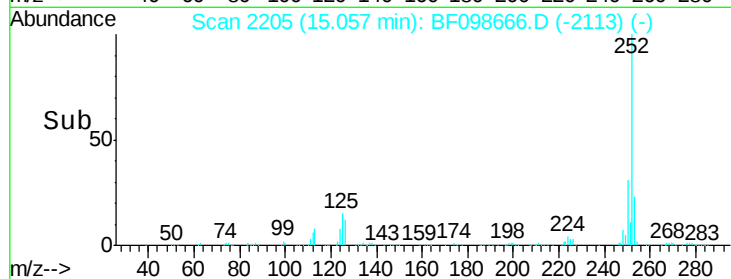
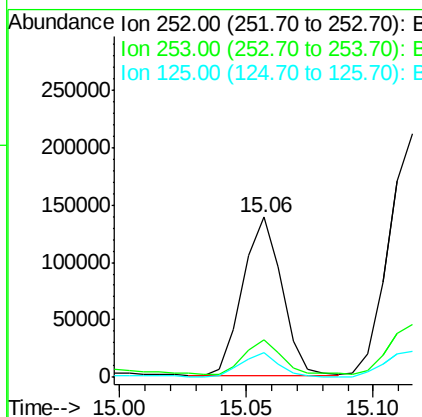
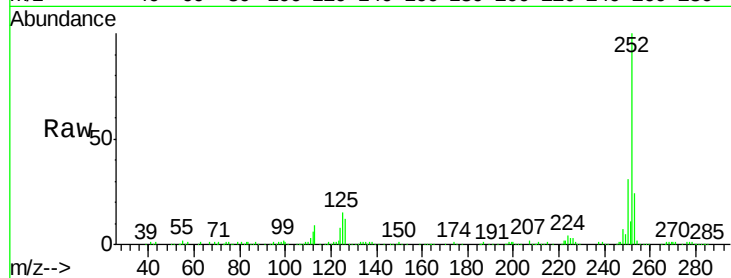




#88
Benzo(k)fluoranthene
Concen: 13.29 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.24 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

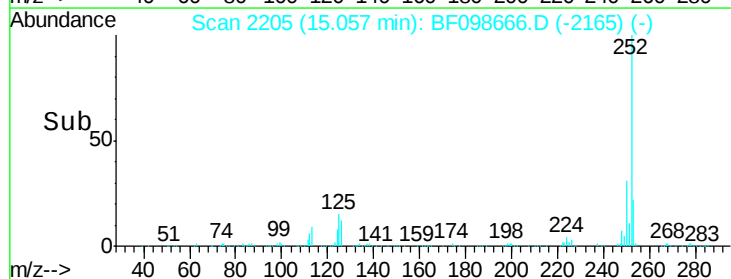
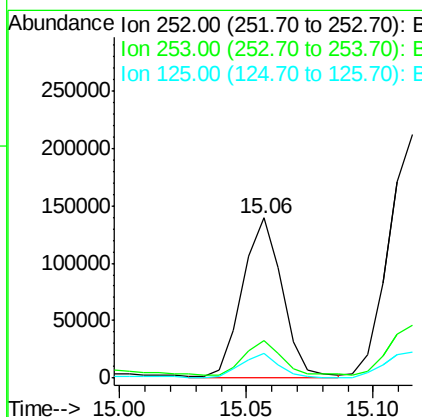
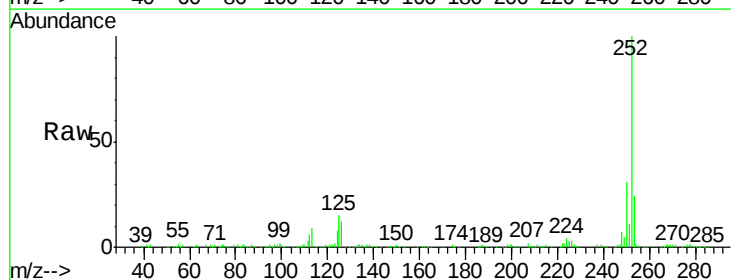
Instrument :
BNA_F
ClientSampleId :

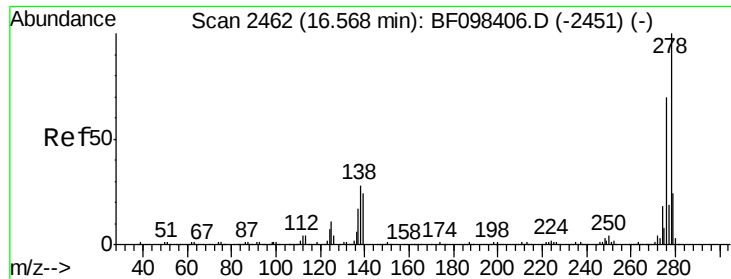
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	15.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 14.21 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	15.2	11.0	16.4



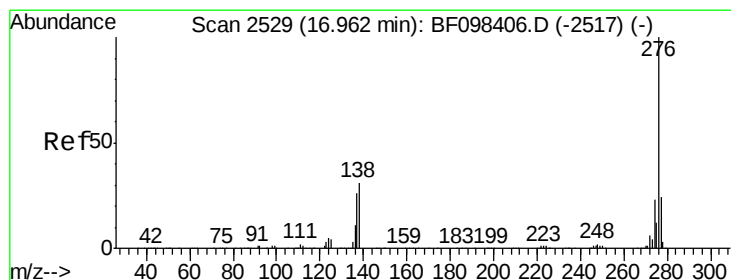
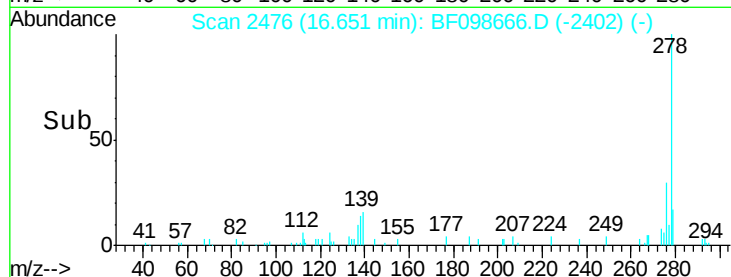
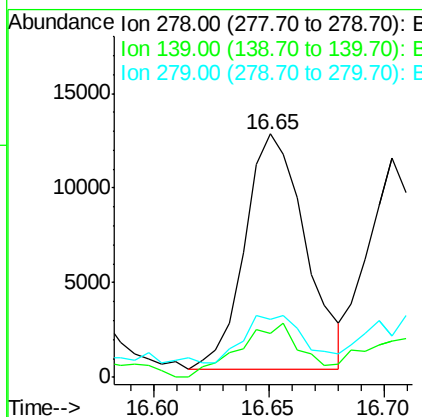
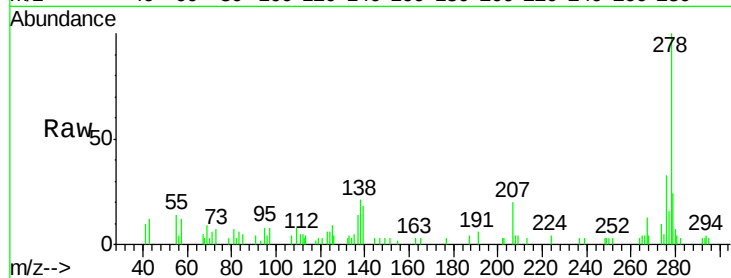


#90
Dibenzo(a,h)anthracene
Concen: 2.94 ng
RT: 16.65 min Scan# 2476
Delta R.T. 0.14 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 22789

Ion	Ratio	Lower	Upper
278	100		
139	17.8	16.6	24.8
279	24.0	19.3	28.9



#91
Benzo(g,h,i)perylene
Concen: 15.36 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Tgt Ion:276 Resp: 119823

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	21.6	25.4	38.0#

