

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
 Data File : BF096328.D
 Acq On : 30 Jun 2017 11:00
 Operator : SJ/MA
 Sample : I3952-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 23MC-WC-2(COMP)

Quant Time: Jun 30 17:41:29 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	148352	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	623414	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	262168	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	436675	20.00	ng	0.00
75) Chrysene-d12	13.92	240	298947	20.00	ng	0.00
86) Perylene-d12	15.34	264	295916	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	689846	66.99	ng	0.00
7) Phenol-d6	6.40	99	970064	77.80	ng	0.00
23) Nitrobenzene-d5	7.33	82	511972	56.85	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	231993	112.44	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	772693	53.98	ng	-0.02
78) Terphenyl-d14	12.87	244	620245	51.77	ng	0.00

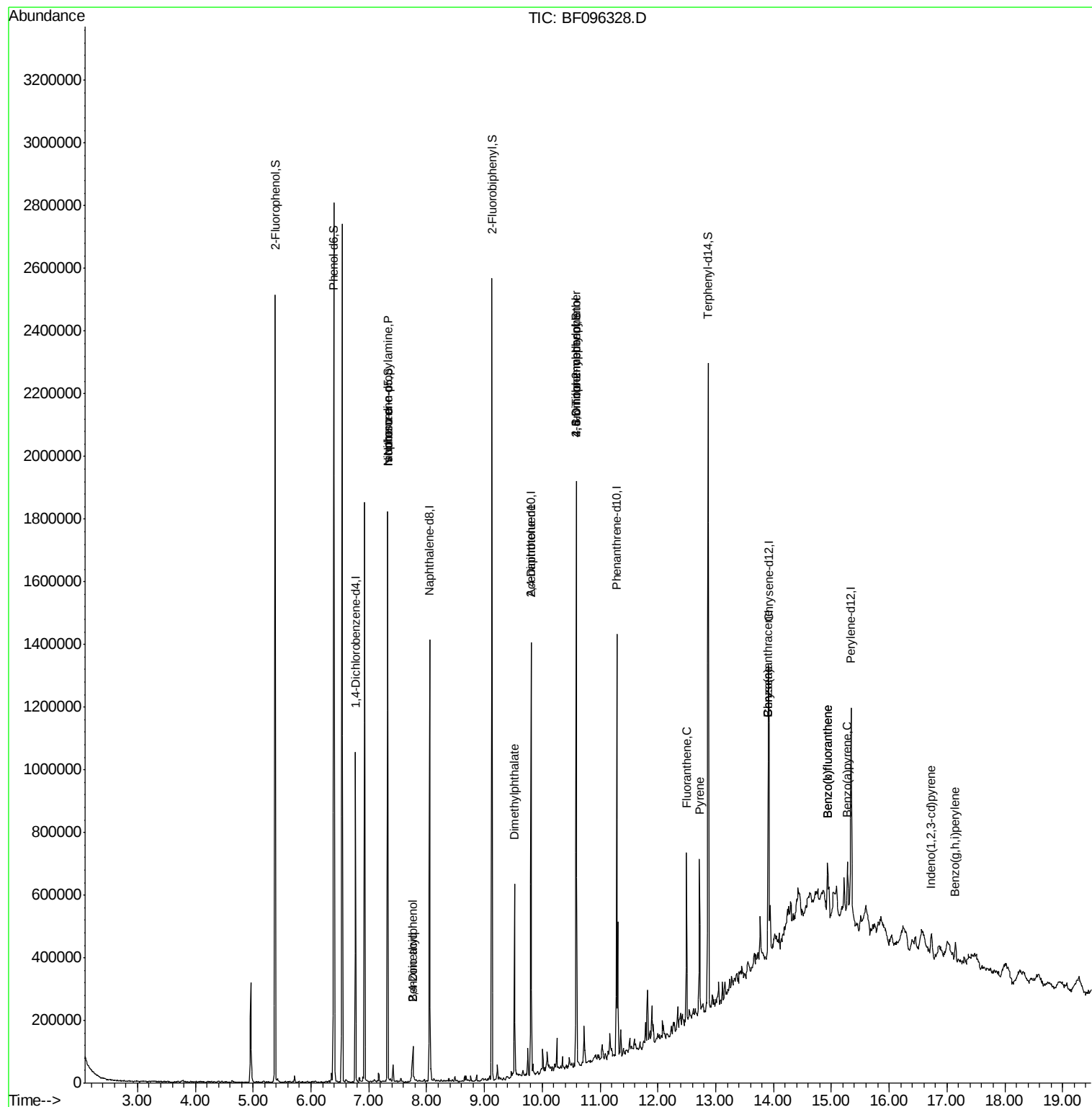
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.31	77	591	Below Cal	#	75
19) n-Nitroso-di-n-propylamine	7.33	70	66883	8.954 ng	#	88
25) Isophorone	7.33	82	511961	25.032 ng	#	67
27) 2,4-Dimethylphenol	7.76	122	36034	3.899 ng	#	5
32) Benzoic acid	7.76	122	36034	13.288 ng		91
49) Dimethylphthalate	9.52	163	226039	12.048 ng		99
56) 2,4-Dinitrotoluene	9.80	165	34417	6.997 ng	#	33
57) Fluorene	10.35	166	8730	Below Cal	#	91
60) 4-Chlorophenyl-phenylether	10.37	204	168	Below Cal	#	46
64) 4,6-Dinitro-2-methylphenol	10.59	198	475	8.920 ng	#	1
66) 4-Bromophenyl-phenylether	10.59	248	11989	2.668 ng	#	1
70) Phenanthrene	11.31	178	138136	Below Cal		98
74) Fluoranthene	12.50	202	209223	8.625 ng		100
77) Pyrene	12.72	202	188348	7.666 ng		98
80) Benzo(a)anthracene	13.90	228	73484	4.032 ng		99
82) Chrysene	13.90	228	73484	3.899 ng		96
85) Indeno(1,2,3-cd)pyrene	16.73	276	47153	3.014 ng		98
87) Benzo(b)fluoranthene	14.93	252	114840	5.908 ng	#	85
88) Benzo(k)fluoranthene	14.93	252	114840	6.471 ng	#	89
89) Benzo(a)pyrene	15.28	252	65250	3.800 ng	#	85
91) Benzo(g,h,i)perylene	17.15	276	48781	3.491 ng	#	89

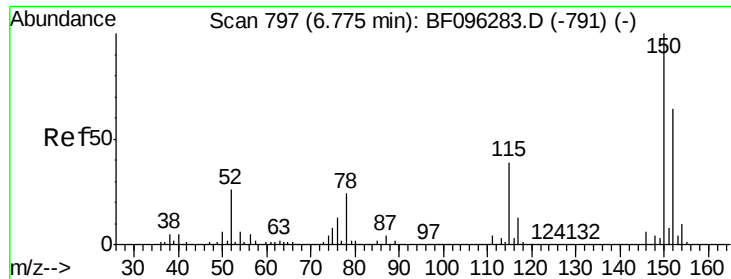
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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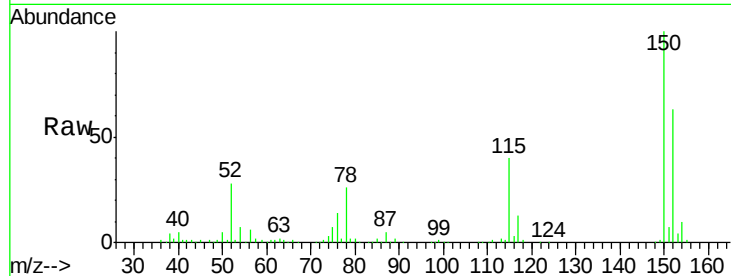


#1

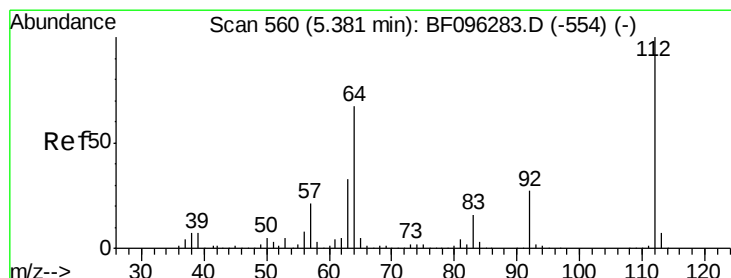
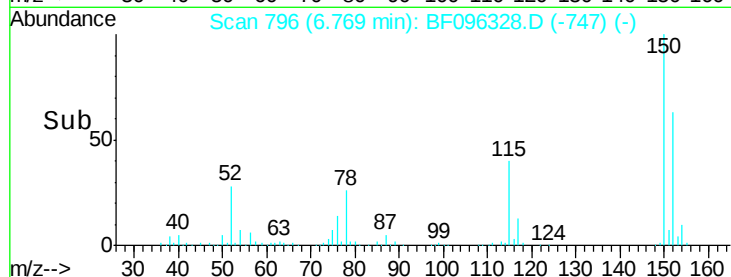
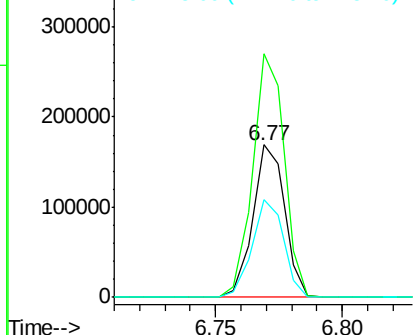
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096328.D
Acq: 30 Jun 2017 11:00

Instrument :
BNA_F
ClientSampleId :
23MC-WC-2(COMP)

Tgt Ion:152 Resp: 148352
Ion Ratio Lower Upper
152 100
150 159.6 126.2 189.2
115 64.1 52.2 78.2



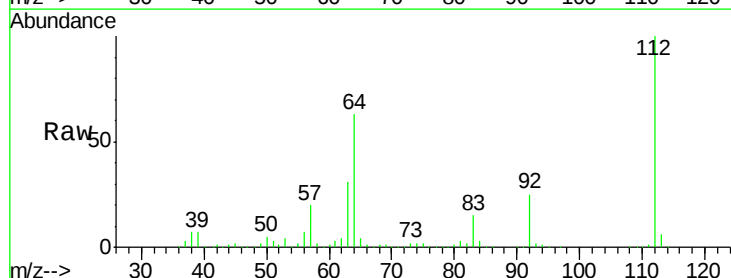
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



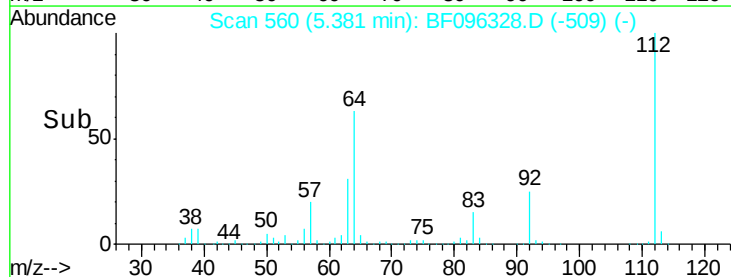
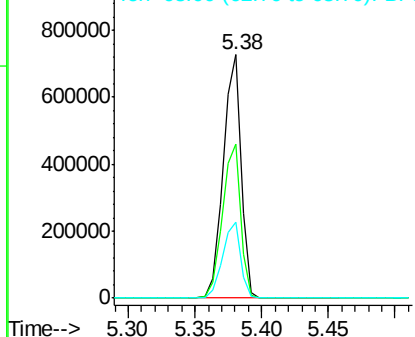
#5

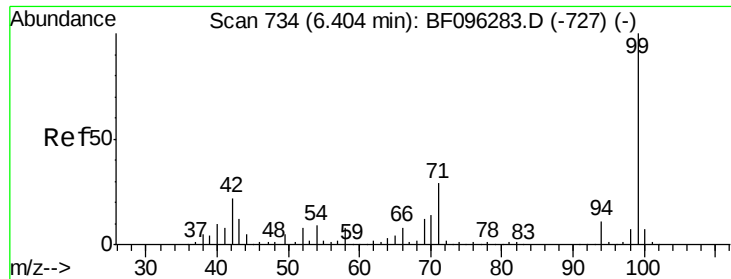
2-Fluorophenol
Concen: 66.993 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF096328.D
Acq: 30 Jun 2017 11:00

Tgt Ion:112 Resp: 689846
Ion Ratio Lower Upper
112 100
64 63.0 46.0 69.0
63 31.2 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: 77.799 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

Instrument :

BNA_F

ClientSampleId :

23MC-WC-2(COMP)

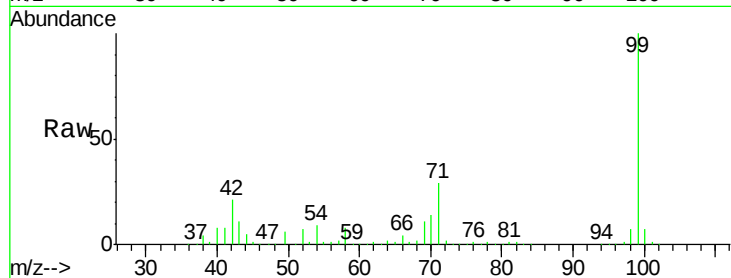
Tgt Ion: 99 Resp: 970064

Ion Ratio Lower Upper

99 100

42 21.3 13.5 20.3#

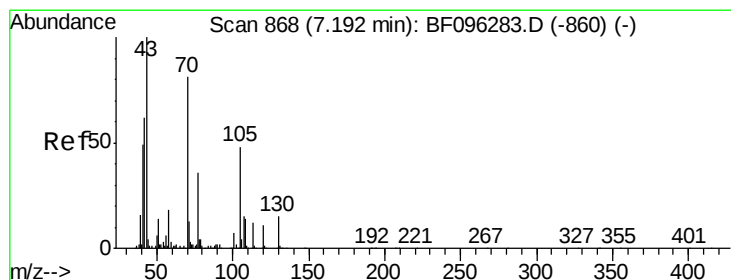
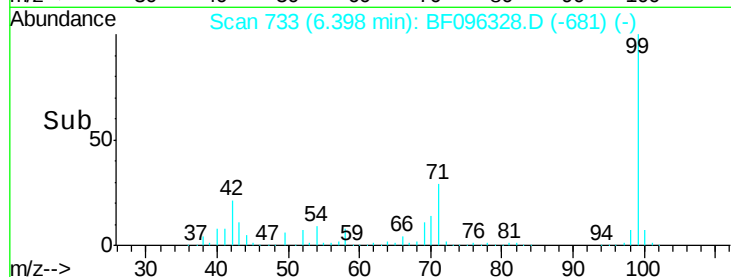
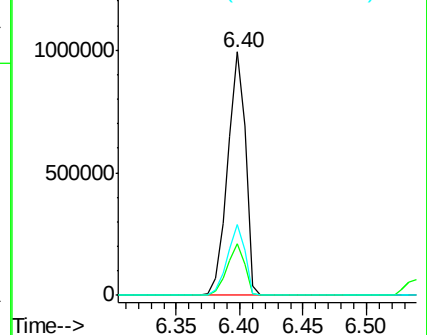
71 29.0 24.5 36.7



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: 8.954 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

Tgt Ion: 70 Resp: 66883

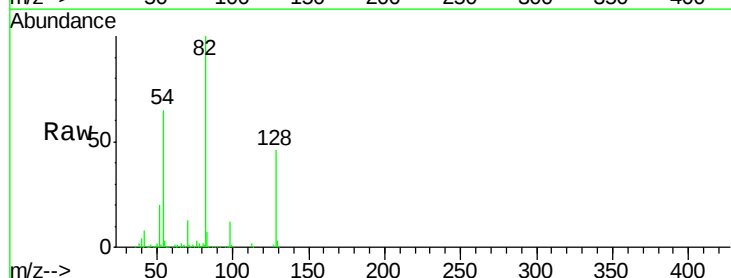
Ion Ratio Lower Upper

70 100

42 59.7 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

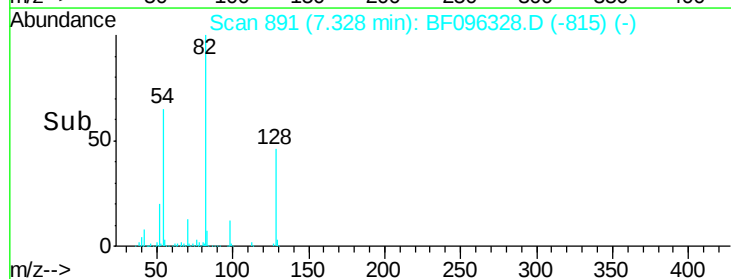
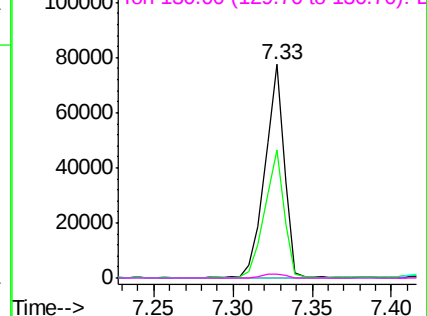


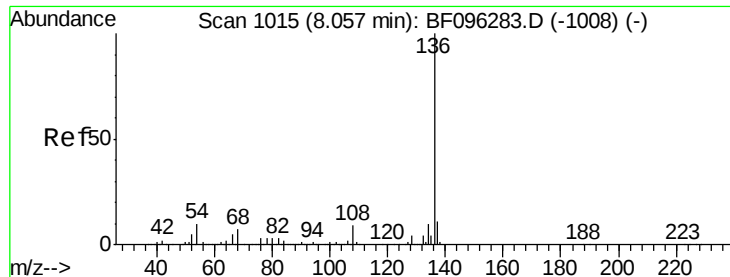
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

Instrument :

BNA_F

ClientSampleId :

23MC-WC-2(COMP)

Tgt Ion:136 Resp: 623414

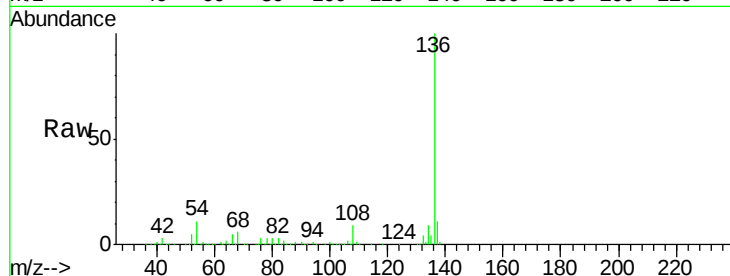
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 11.4 4.9 7.3#

68 6.4 4.1 6.1#

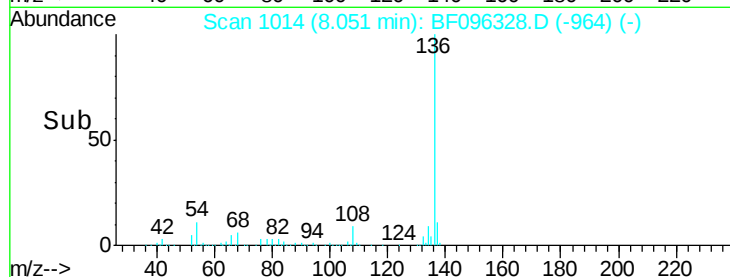


Abundance Ion 136.00 (135.70 to 136.70): E

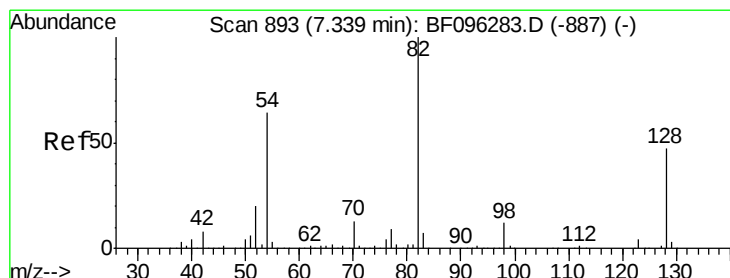
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 56.851 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.03 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

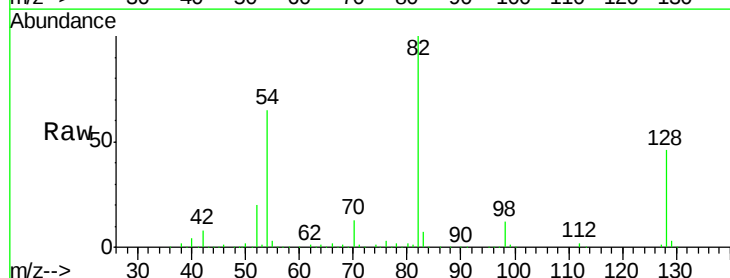
Tgt Ion: 82 Resp: 511972

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

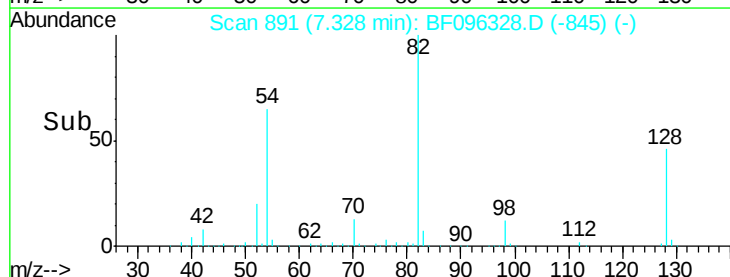
54 65.3 42.2 63.2#



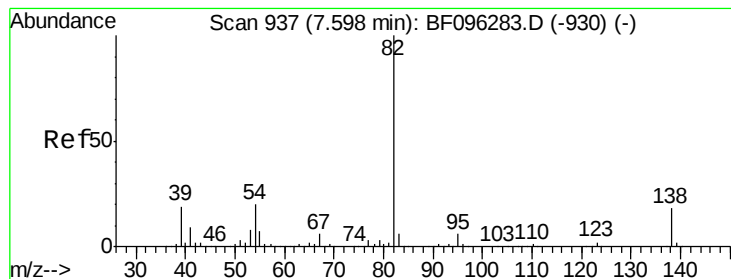
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 25.032 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

Instrument :

BNA_F

ClientSampleId :

23MC-WC-2(COMP)

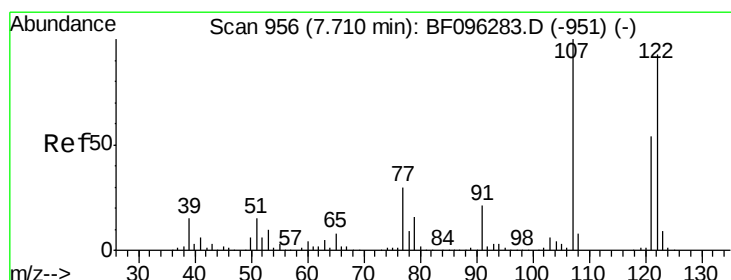
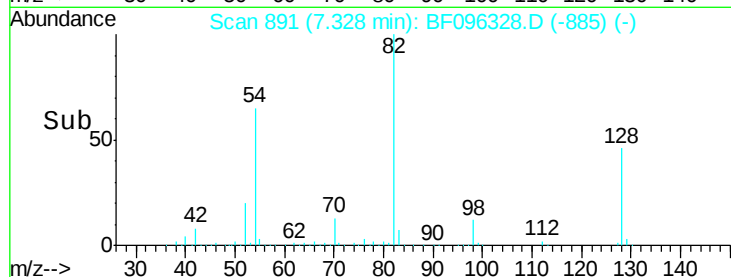
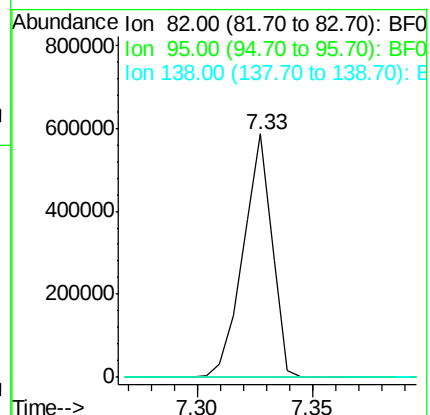
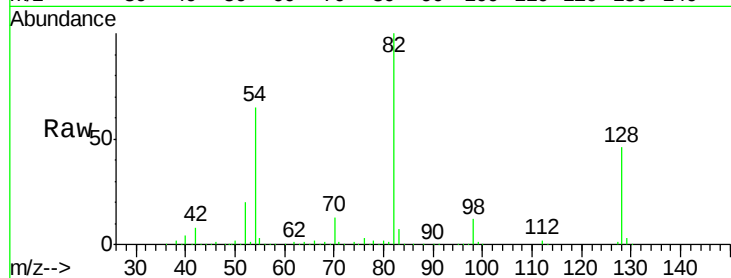
Tgt Ion: 82 Resp: 511961

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



#27

2,4-Dimethylphenol

Concen: 3.899 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.05 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

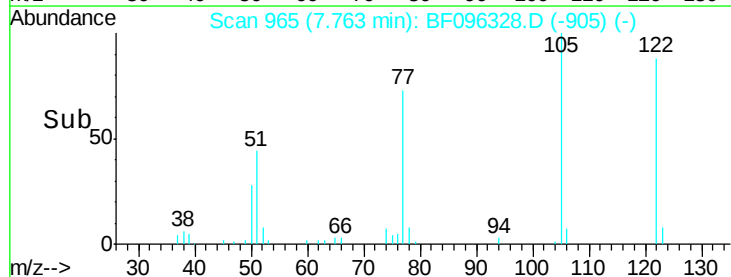
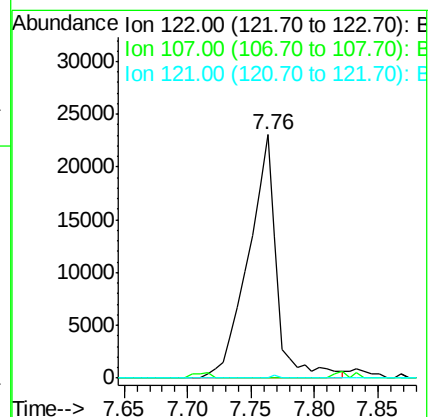
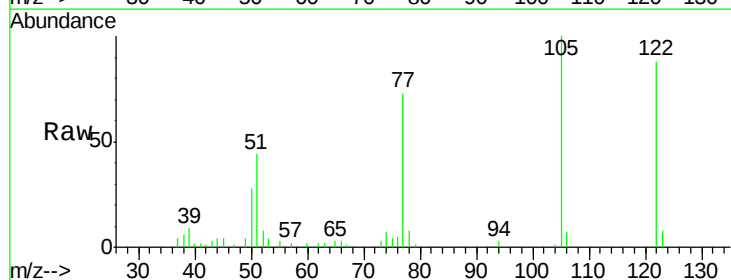
Tgt Ion: 122 Resp: 36034

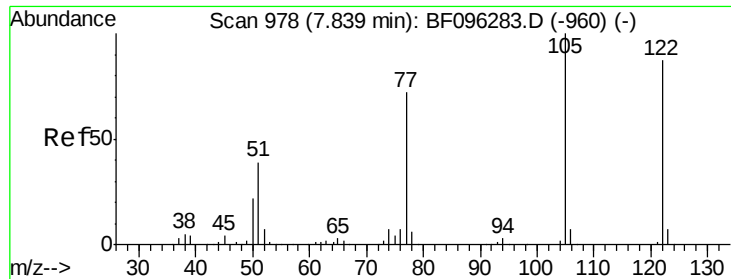
Ion Ratio Lower Upper

122 100

107 0.0 89.2 133.8#

121 0.0 45.2 67.8#

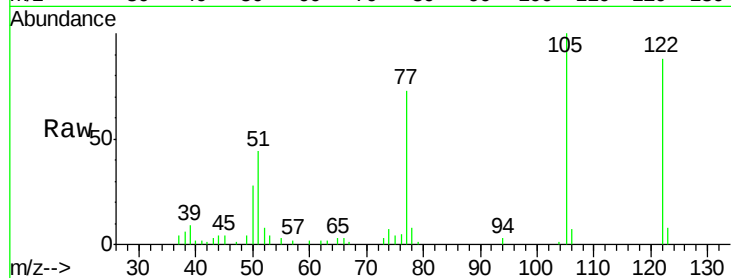




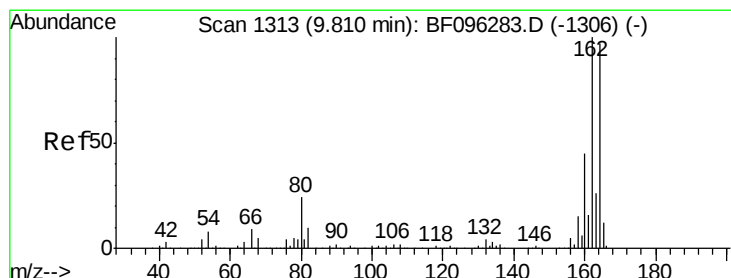
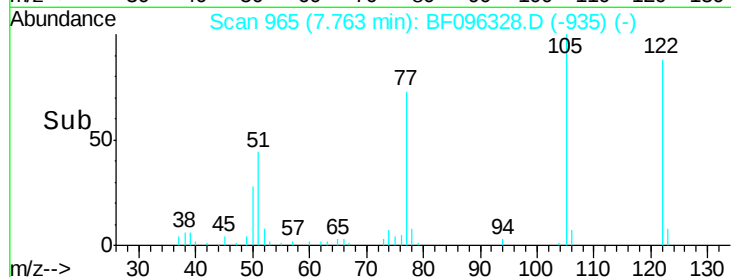
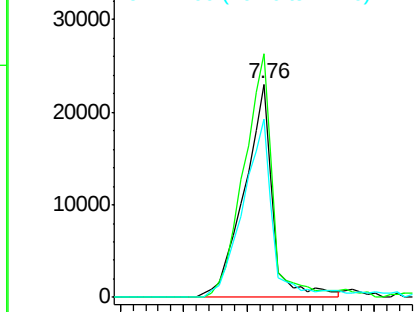
#32
Benzoic acid
Concen: 13.288 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.12 min
Lab File: BF096328.D
Acq: 30 Jun 2017 11:00

Instrument :
BNA_F
ClientSampleId :
23MC-WC-2(COMP)

Tgt Ion:122 Resp: 36034
Ion Ratio Lower Upper
122 100
105 114.0 103.3 143.3
77 83.5 73.7 113.7

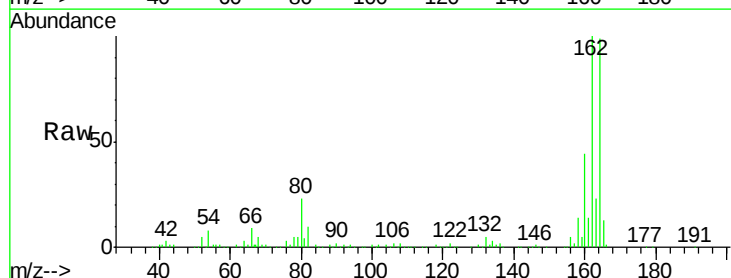


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

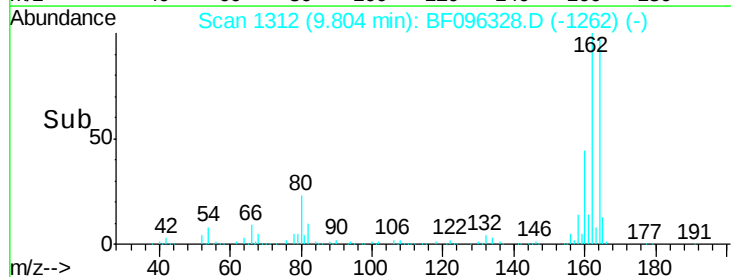
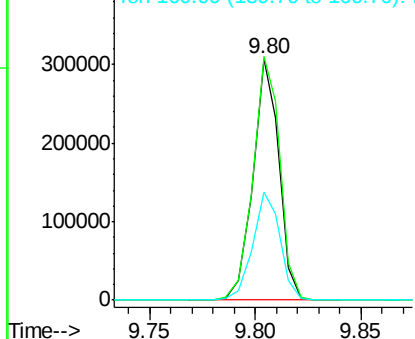


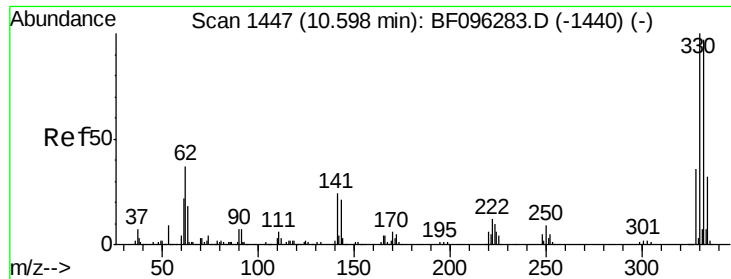
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF096328.D
Acq: 30 Jun 2017 11:00

Tgt Ion:164 Resp: 262168
Ion Ratio Lower Upper
164 100
162 101.0 82.6 123.8
160 44.7 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

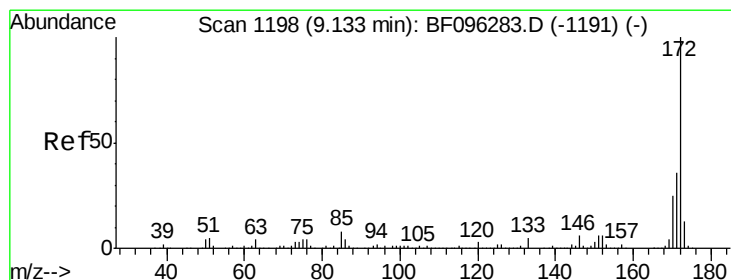
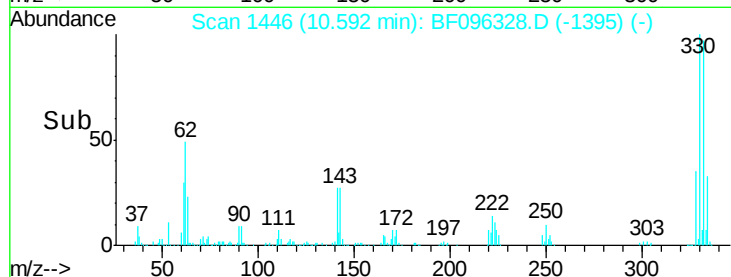
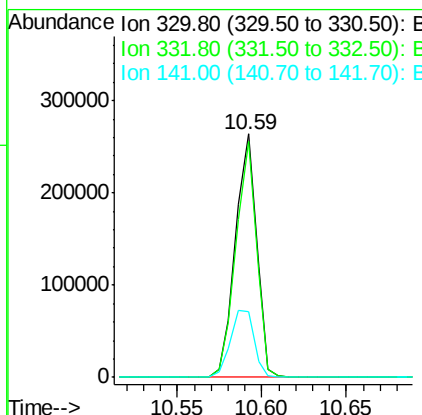
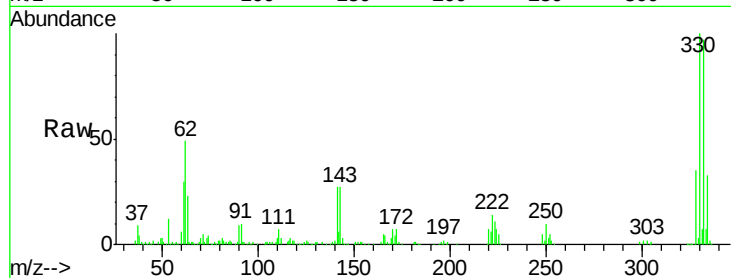




#41
 2,4,6-Tribromophenol
 Concen: 112.442 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096328.D
 Acq: 30 Jun 2017 11:00

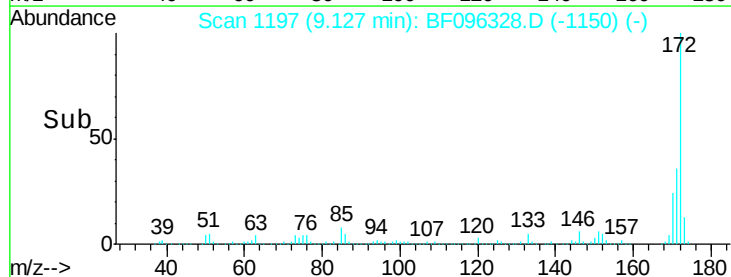
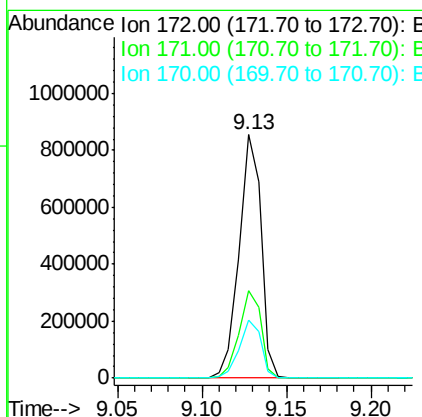
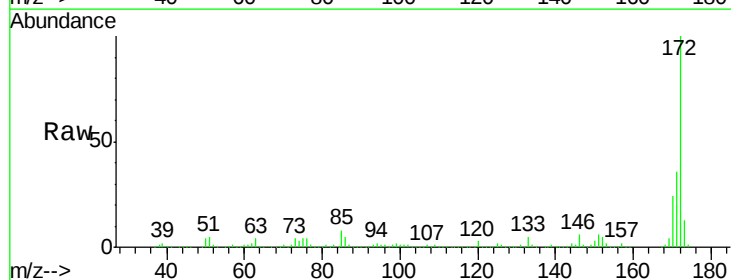
Instrument :
 BNA_F
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 23MC-WC-2(COMP)

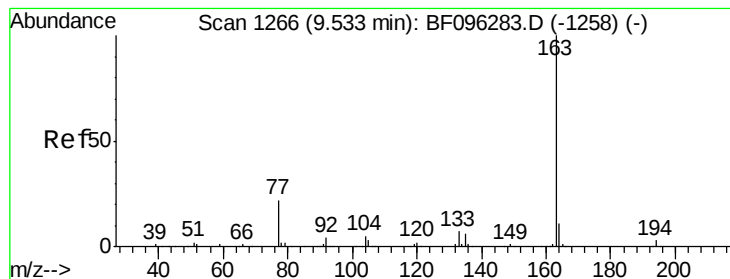
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.6	115.0
141	30.3	31.4	47.2#



#44
 2-Fluorobiphenyl
 Concen: 53.976 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096328.D
 Acq: 30 Jun 2017 11:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.1	19.8	29.8





#49

Dimethylphthalate

Concen: 12.048 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

Instrument :

BNA_F

ClientSampleId :

23MC-WC-2(COMP)

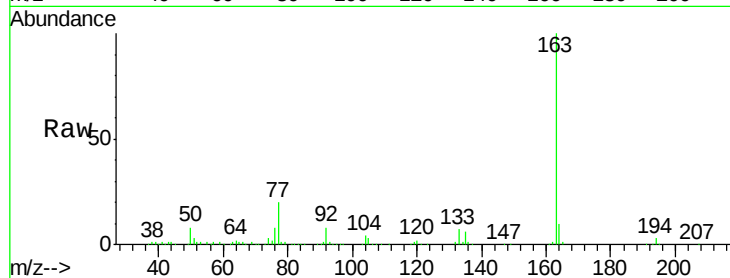
Tgt Ion:163 Resp: 226039

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

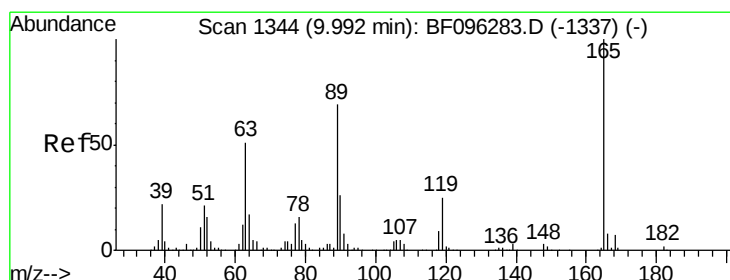
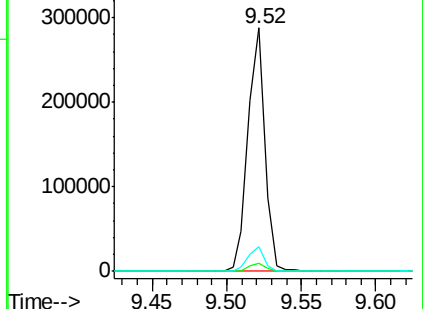
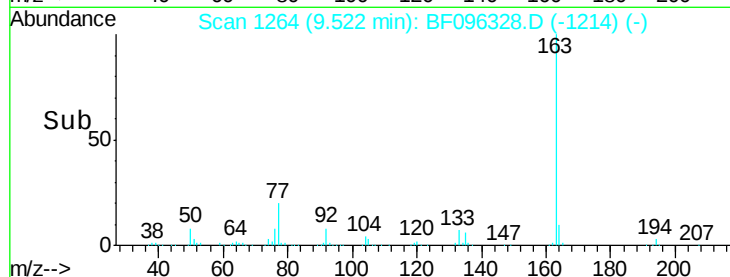
164 10.2 8.4 12.6



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: 6.997 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.21 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

Tgt Ion:165 Resp: 34417

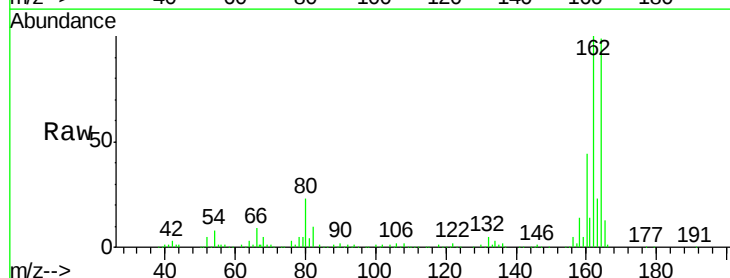
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

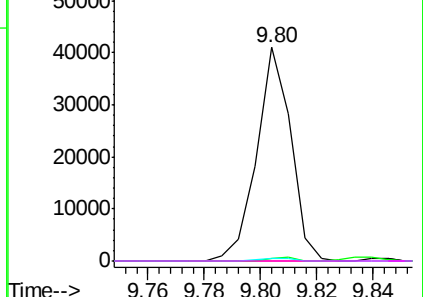
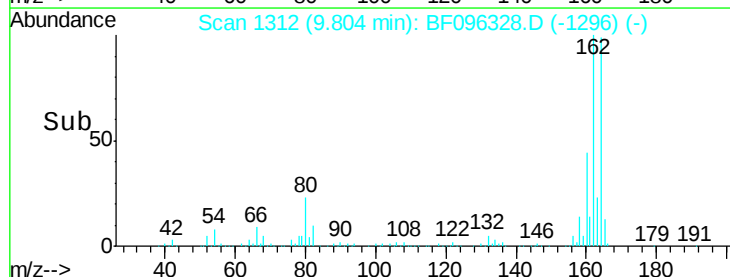


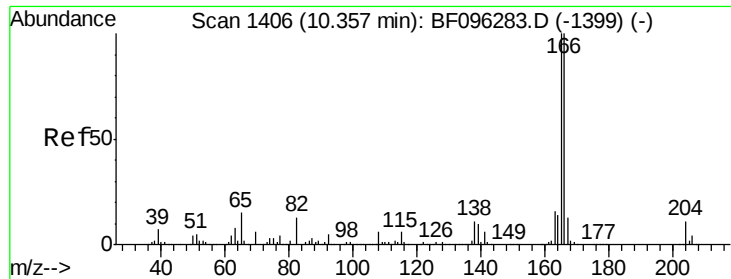
Abundance Ion 165.00 (164.70 to 165.70): E

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

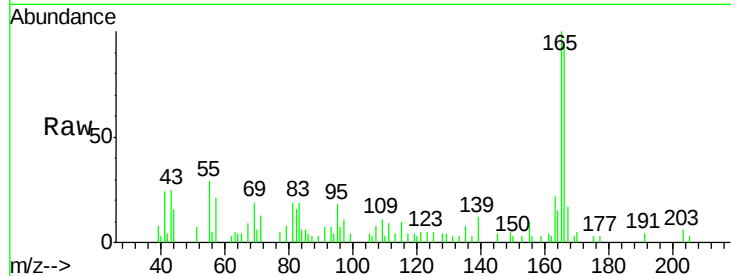




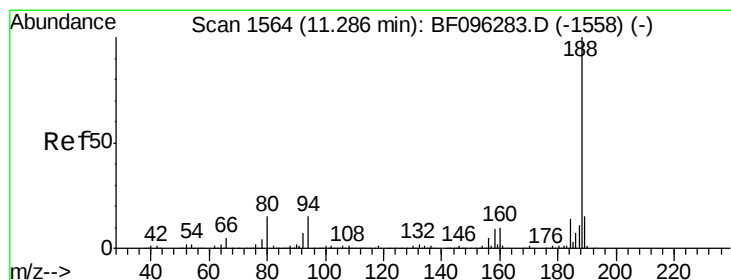
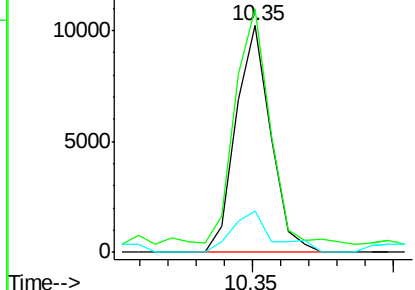
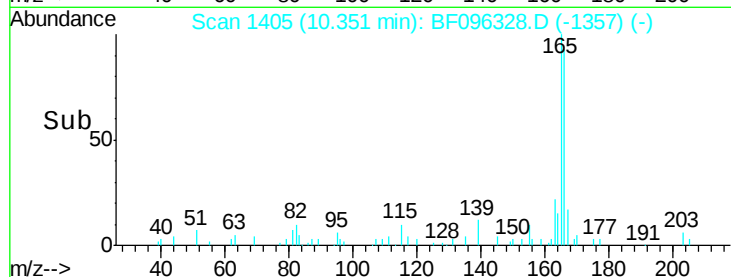
#57
 Fluorene
 Concen: Below Cal
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF096328.D
 Acq: 30 Jun 2017 11:00

Instrument :
 BNA_F
 ClientSampleId :
 23MC-WC-2(COMP)

Tgt Ion:166 Resp: 8730
 Ion Ratio Lower Upper
 166 100
 165 107.4 78.8 118.2
 167 18.4 10.6 16.0#

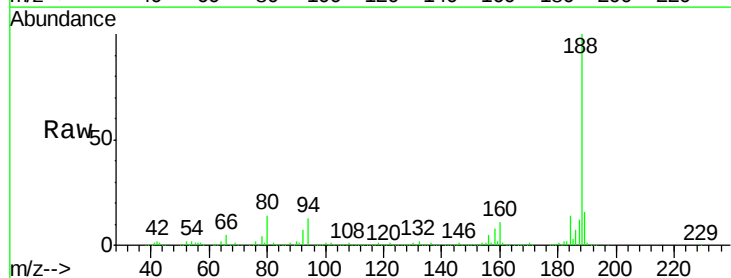


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

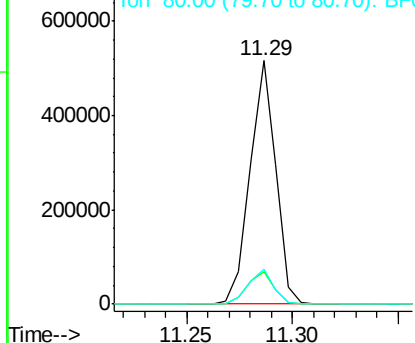
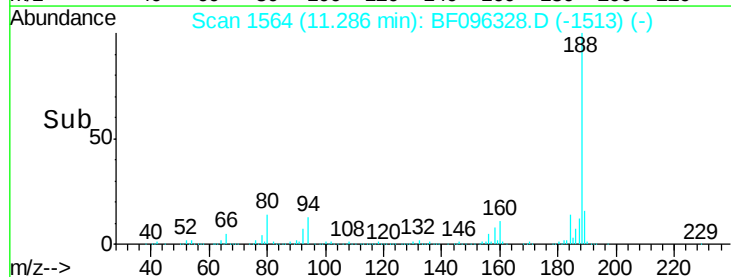


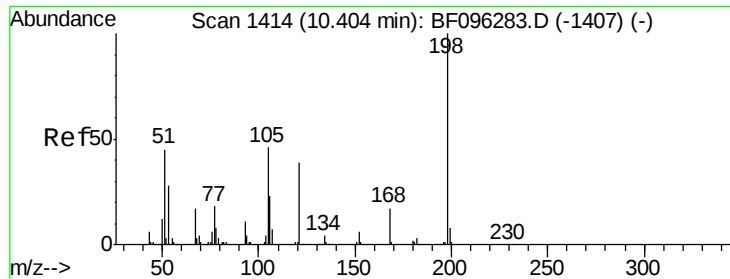
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BF096328.D
 Acq: 30 Jun 2017 11:00

Tgt Ion:188 Resp: 436675
 Ion Ratio Lower Upper
 188 100
 94 13.3 9.4 14.2
 80 14.1 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

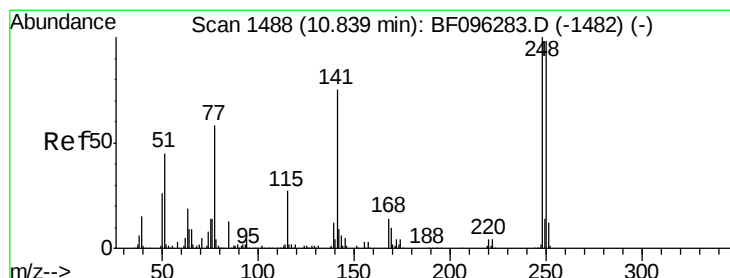
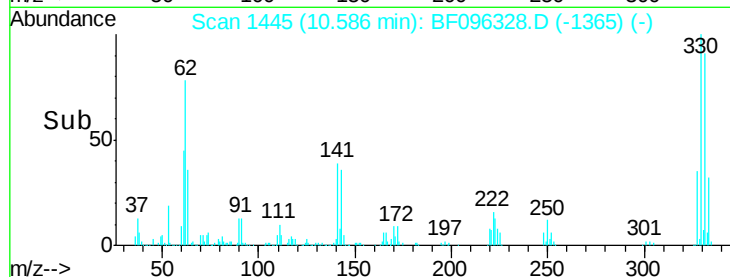
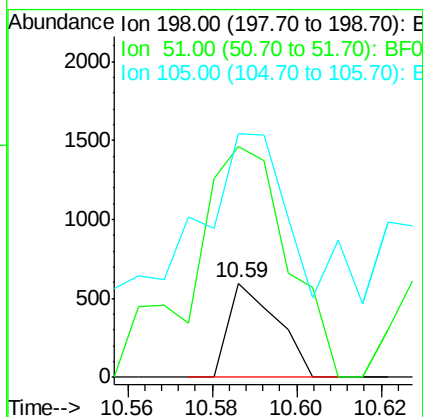
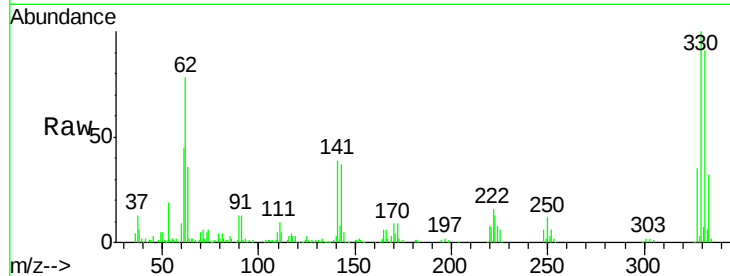




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.920 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. 0.17 min
 Lab File: BF096328.D
 Acq: 30 Jun 2017 11:00

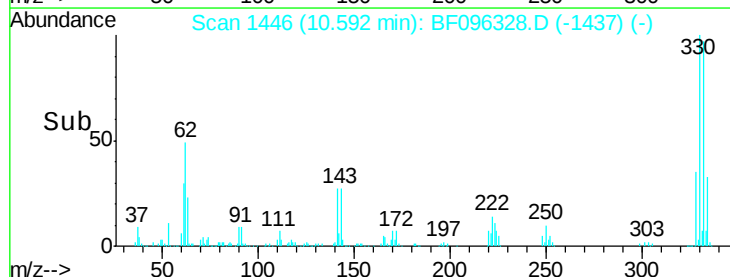
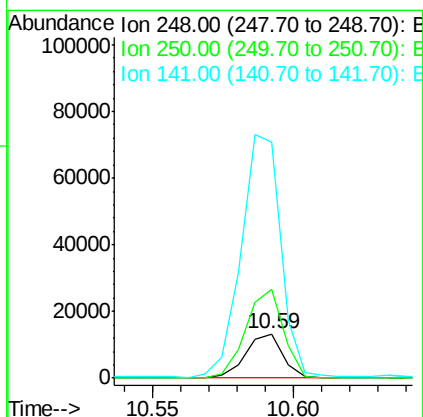
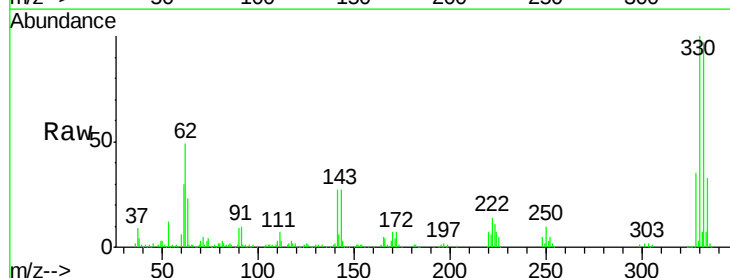
Instrument :
 BNA_F
 ClientSampleId :
 23MC-WC-2(COMP)

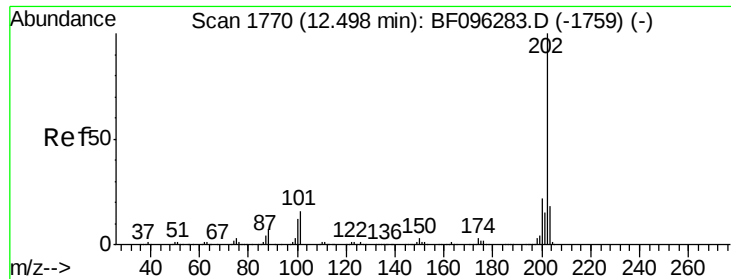
Tgt Ion:198 Resp: 475
 Ion Ratio Lower Upper
 198 100
 51 244.8 53.2 93.2#
 105 257.9 45.8 85.8#



#66
 4-Bromophenyl-phenylether
 Concen: 2.668 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.25 min
 Lab File: BF096328.D
 Acq: 30 Jun 2017 11:00

Tgt Ion:248 Resp: 11989
 Ion Ratio Lower Upper
 248 100
 250 200.6 76.8 115.2#
 141 530.4 68.6 103.0#

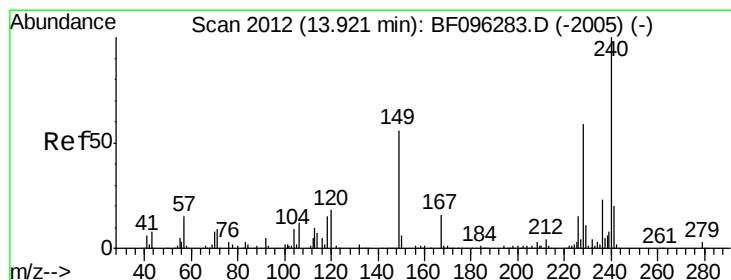
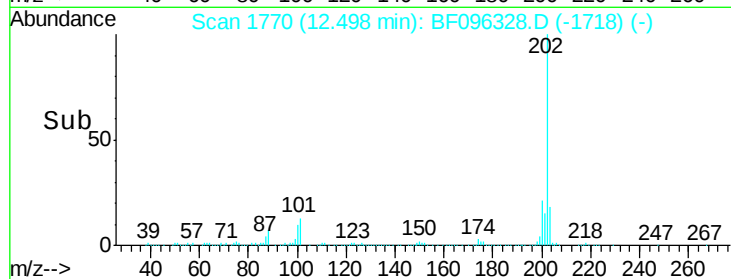
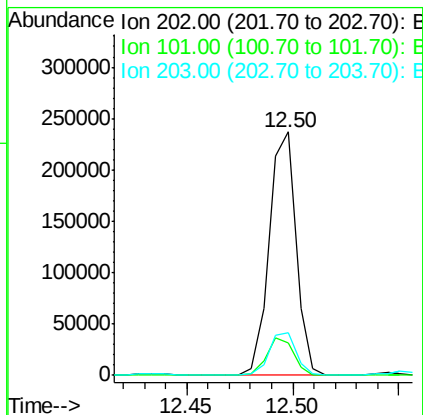
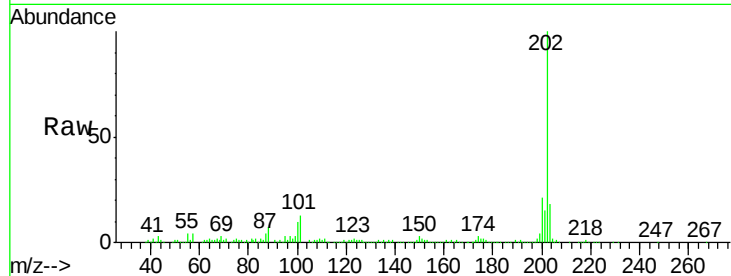




#74
 Fluoranthene
 Concen: 8.625 ng
 RT: 12.50 min Scan# 1770
 Delta R.T. 0.01 min
 Lab File: BF096328.D
 Acq: 30 Jun 2017 11:00

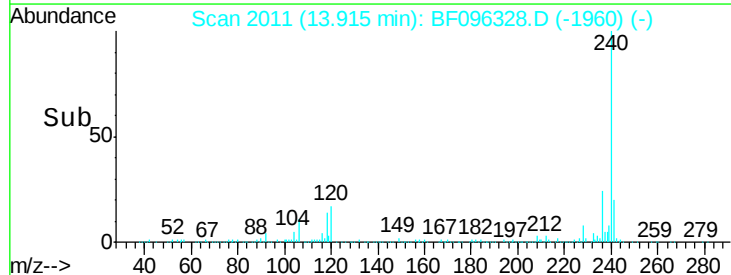
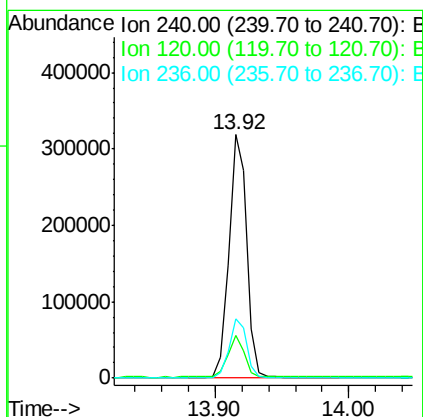
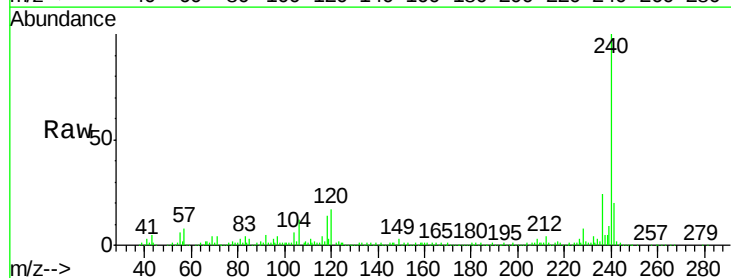
Instrument :
 BNA_F
 ClientSampleId :
 23MC-WC-2(COMP)

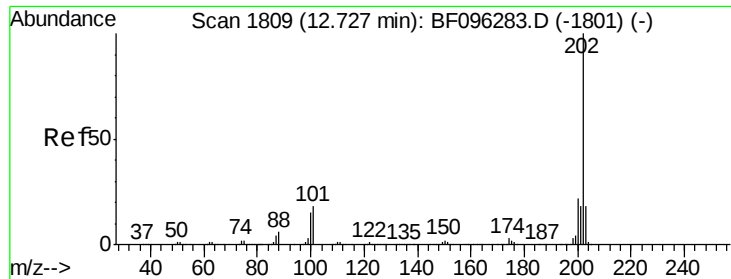
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.8	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.00 min
 Lab File: BF096328.D
 Acq: 30 Jun 2017 11:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.5	5.8	8.8#
236	24.4	20.5	30.7





#77

Pyrene

Concen: 7.666 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

Instrument :

BNA_F

ClientSampleId :

23MC-WC-2(COMP)

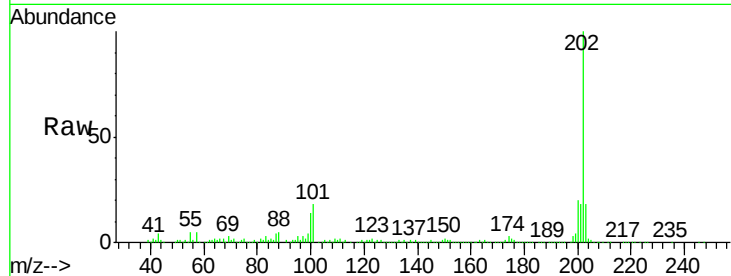
Tgt Ion:202 Resp: 188348

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

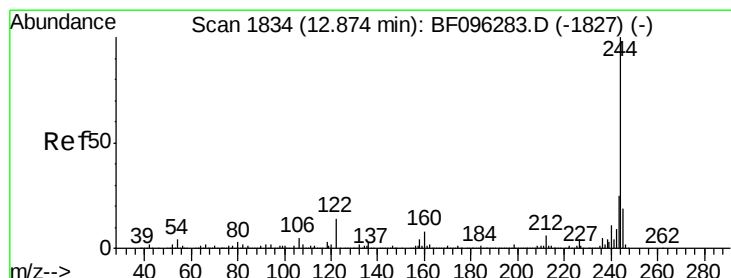
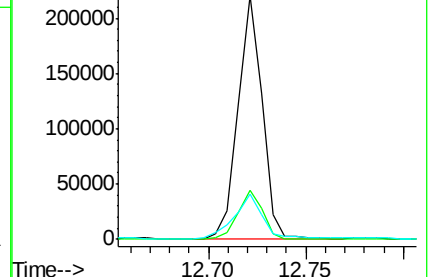
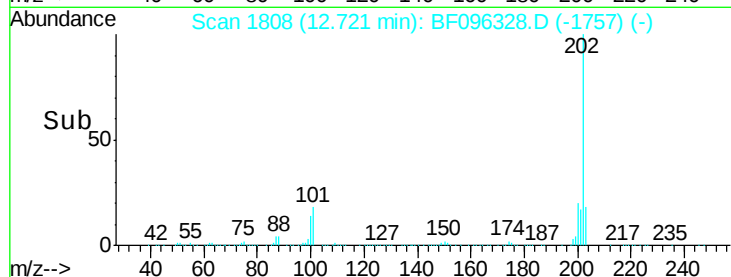
203 18.4 14.4 21.6



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: 51.771 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

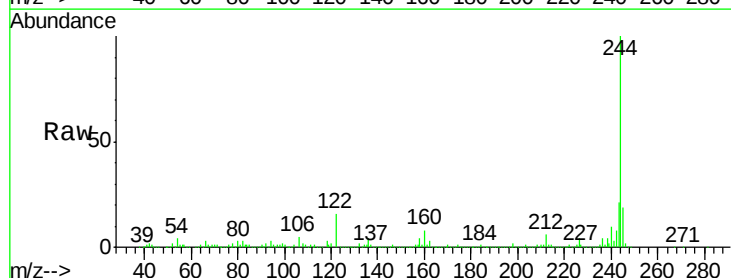
Tgt Ion:244 Resp: 620245

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

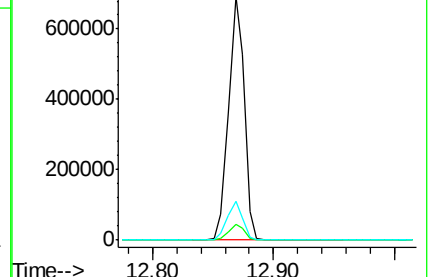
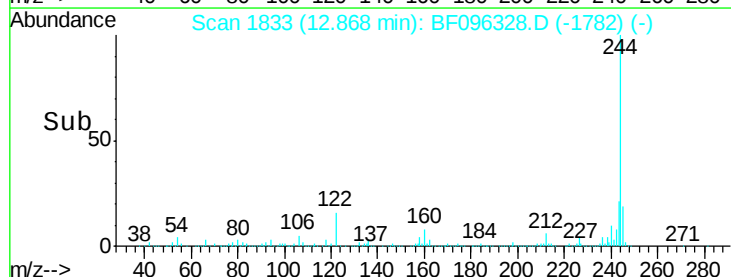
122 16.0 10.3 15.5#

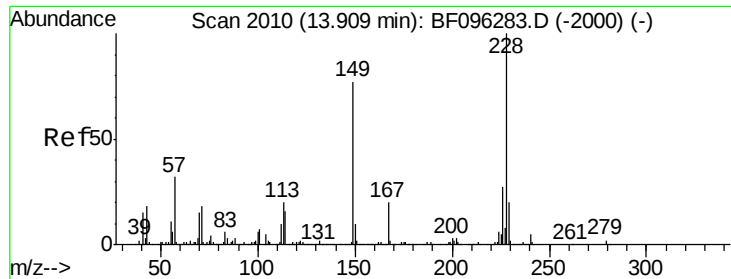


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.032 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

Instrument :

BNA_F

ClientSampleId :

23MC-WC-2(COMP)

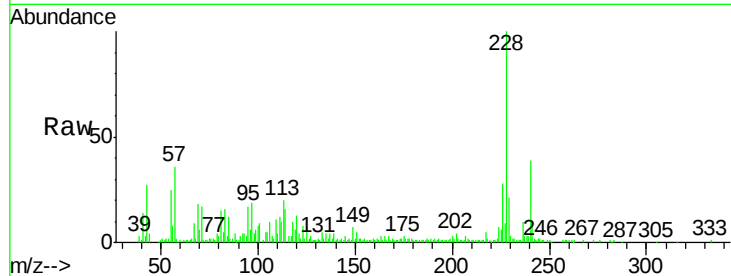
Tgt Ion:228 Resp: 73484

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

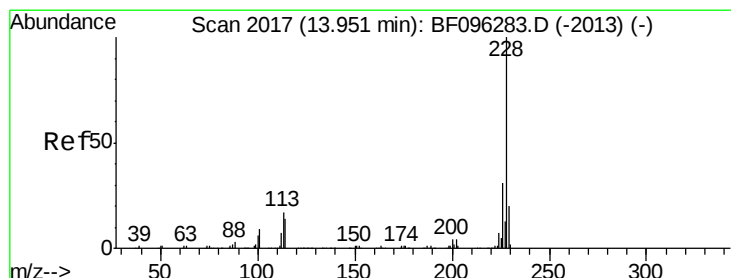
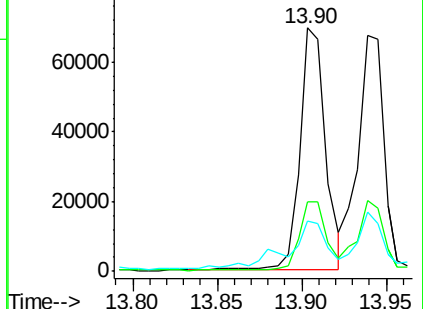
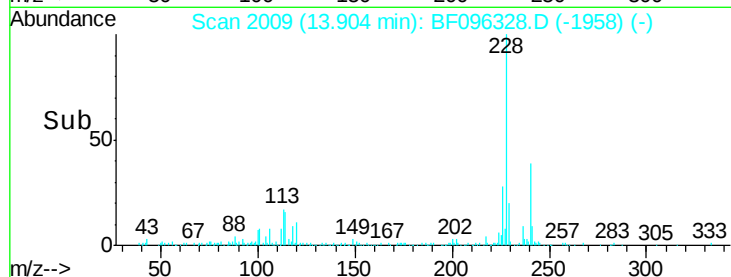
229 20.8 16.3 24.5



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: 3.899 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.04 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

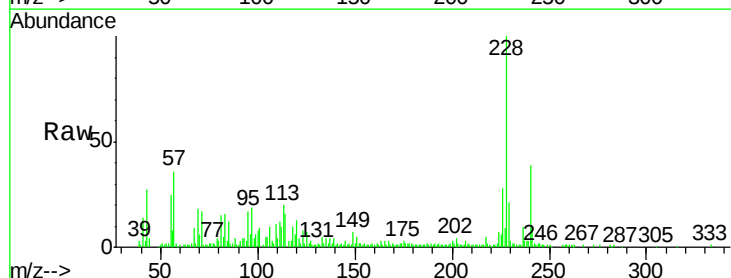
Tgt Ion:228 Resp: 73484

Ion Ratio Lower Upper

228 100

226 28.4 24.9 37.3

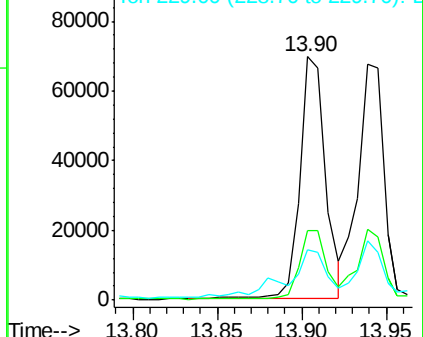
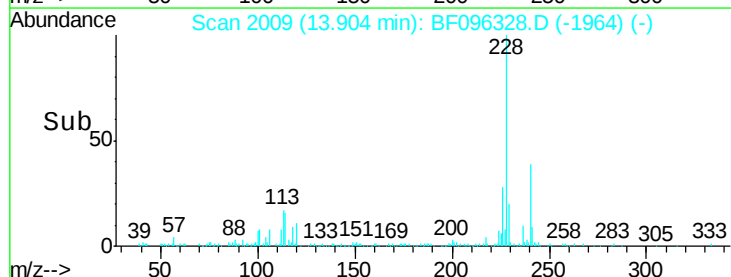
229 20.8 15.8 23.6

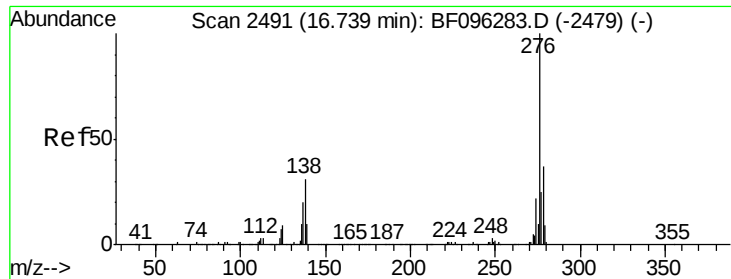


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

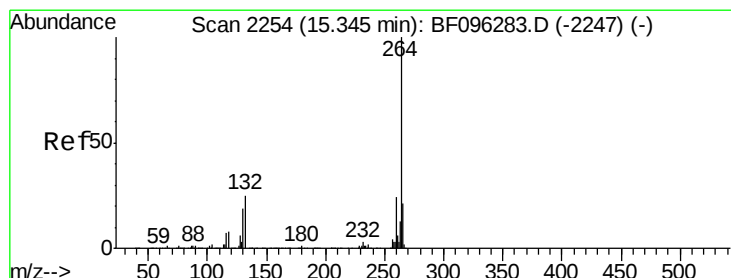
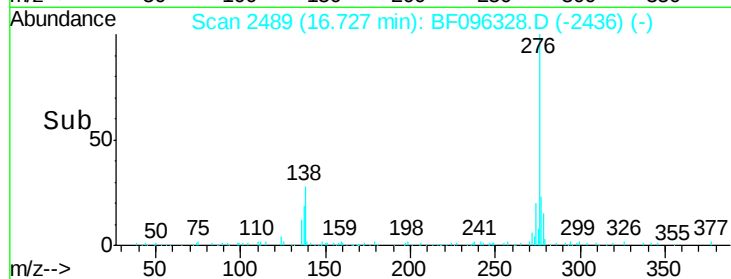
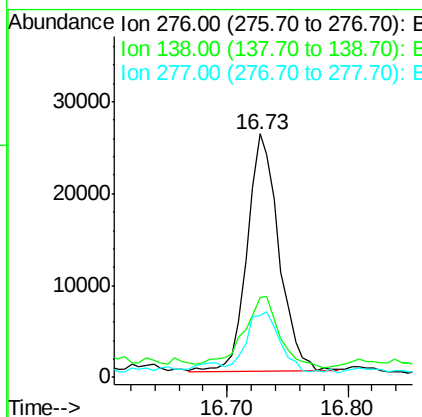
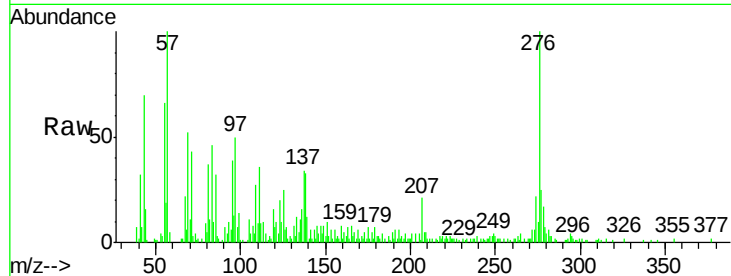




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.014 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.01 min
 Lab File: BF096328.D
 Acq: 30 Jun 2017 11:00

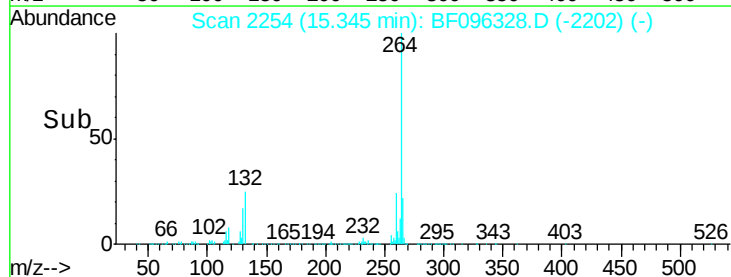
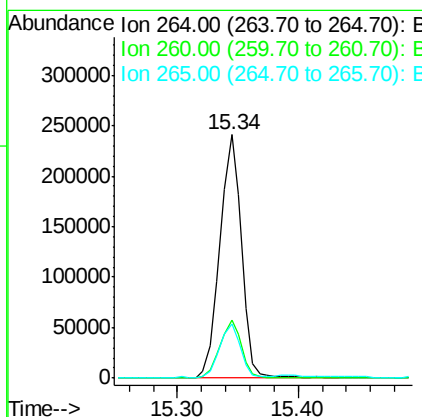
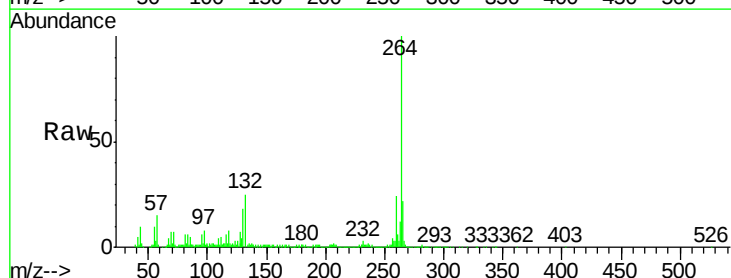
Instrument :
 BNA_F
 ClientSampleId :
 23MC-WC-2(COMP)

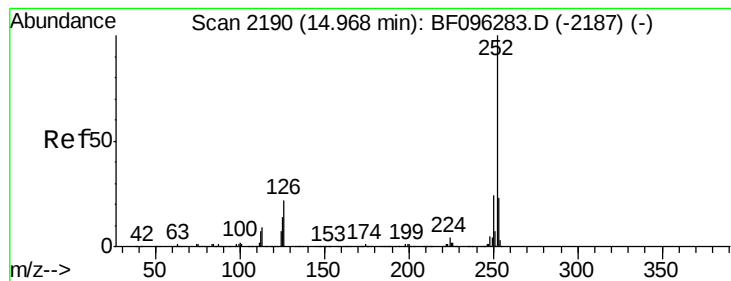
Tgt Ion	Ratio	Lower	Upper
276	100		
138	36.2	27.8	41.6
277	25.8	20.2	30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: BF096328.D
 Acq: 30 Jun 2017 11:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.908 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

Instrument :

BNA_F

ClientSampleId :

23MC-WC-2(COMP)

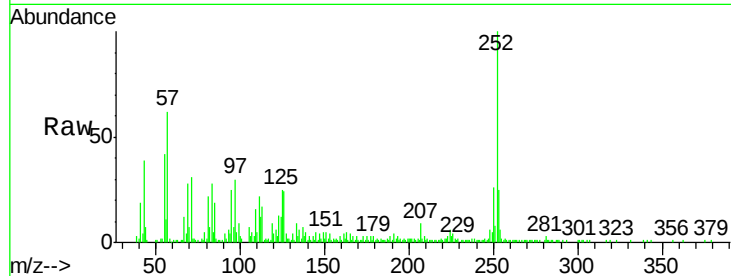
Tgt Ion:252 Resp: 114840

Ion Ratio Lower Upper

252 100

253 25.4 18.1 27.1

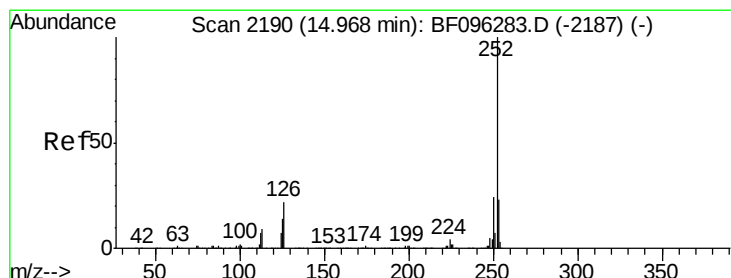
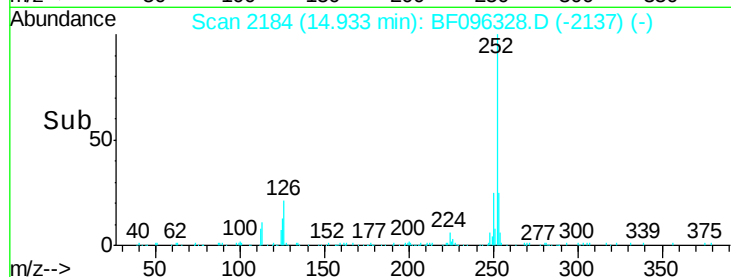
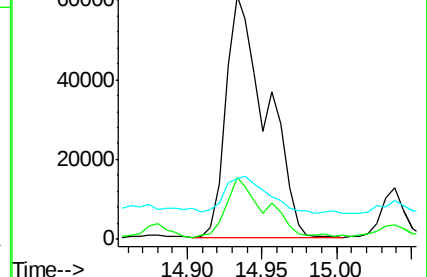
125 24.9 9.8 14.8#



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: 6.471 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096328.D

Acq: 30 Jun 2017 11:00

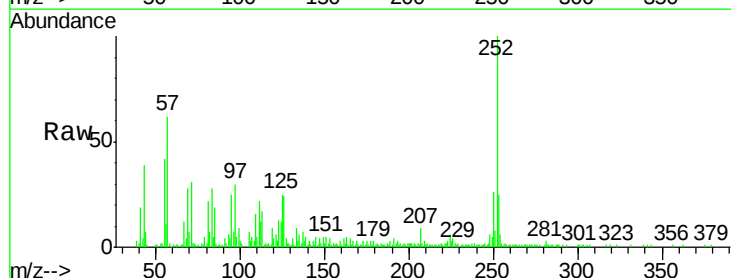
Tgt Ion:252 Resp: 114840

Ion Ratio Lower Upper

252 100

253 25.4 18.4 27.6

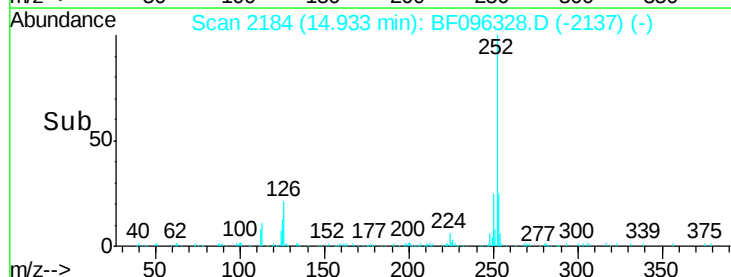
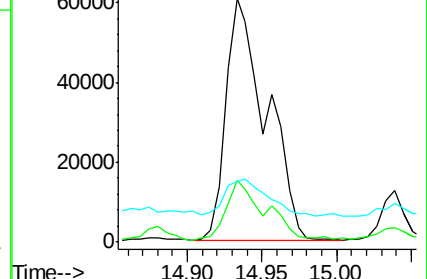
125 24.9 13.1 19.7#

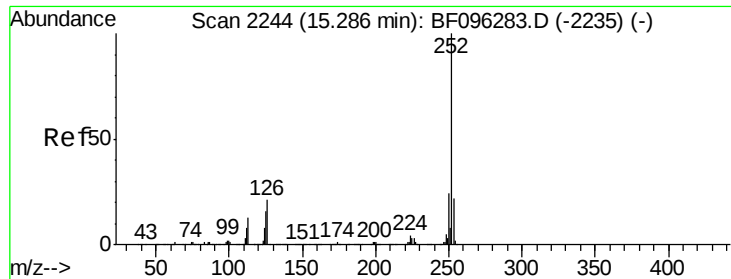


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

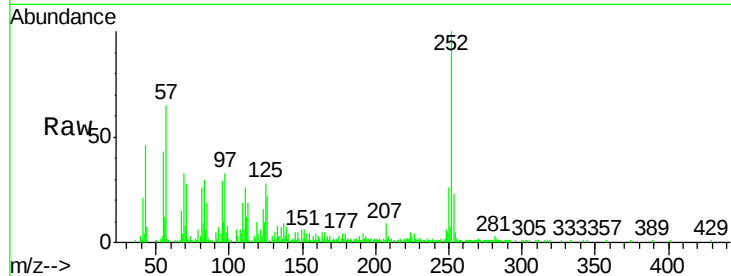




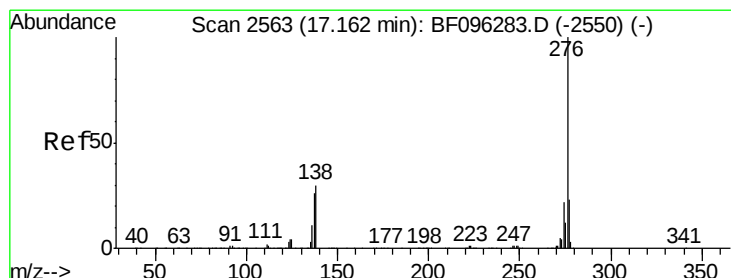
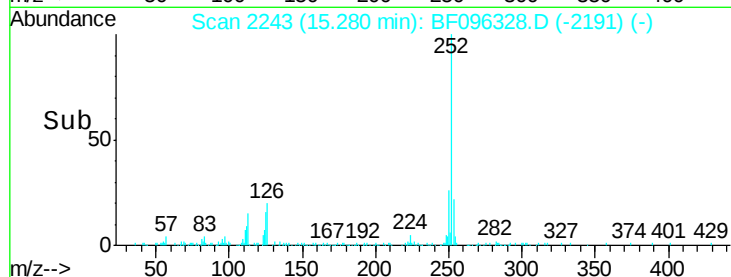
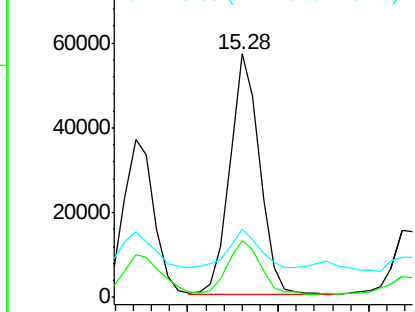
#89
Benzo(a)pyrene
Concen: 3.800 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF096328.D
Acq: 30 Jun 2017 11:00

Instrument :
BNA_F
ClientSampleId :
23MC-WC-2(COMP)

Tgt Ion: 252 Resp: 65250
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 27.8 11.0 16.4#

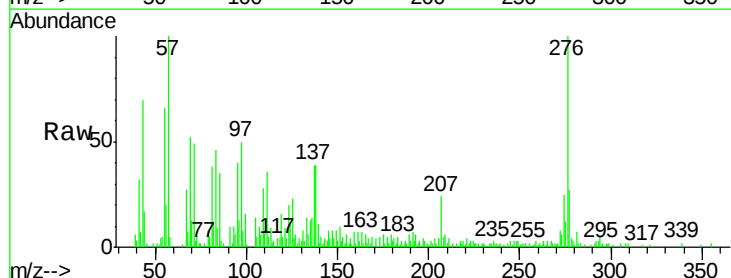


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.491 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.02 min
Lab File: BF096328.D
Acq: 30 Jun 2017 11:00

Tgt Ion: 276 Resp: 48781
Ion Ratio Lower Upper
276 100
277 27.0 18.6 28.0
138 38.8 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

