

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091917\
 Data File : BF098652.D
 Acq On : 19 Sep 2017 20:20
 Operator : SJ/JU
 Sample : I5276-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-ENV-125-14(0-5)

Quant Time: Sep 20 01:23:09 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

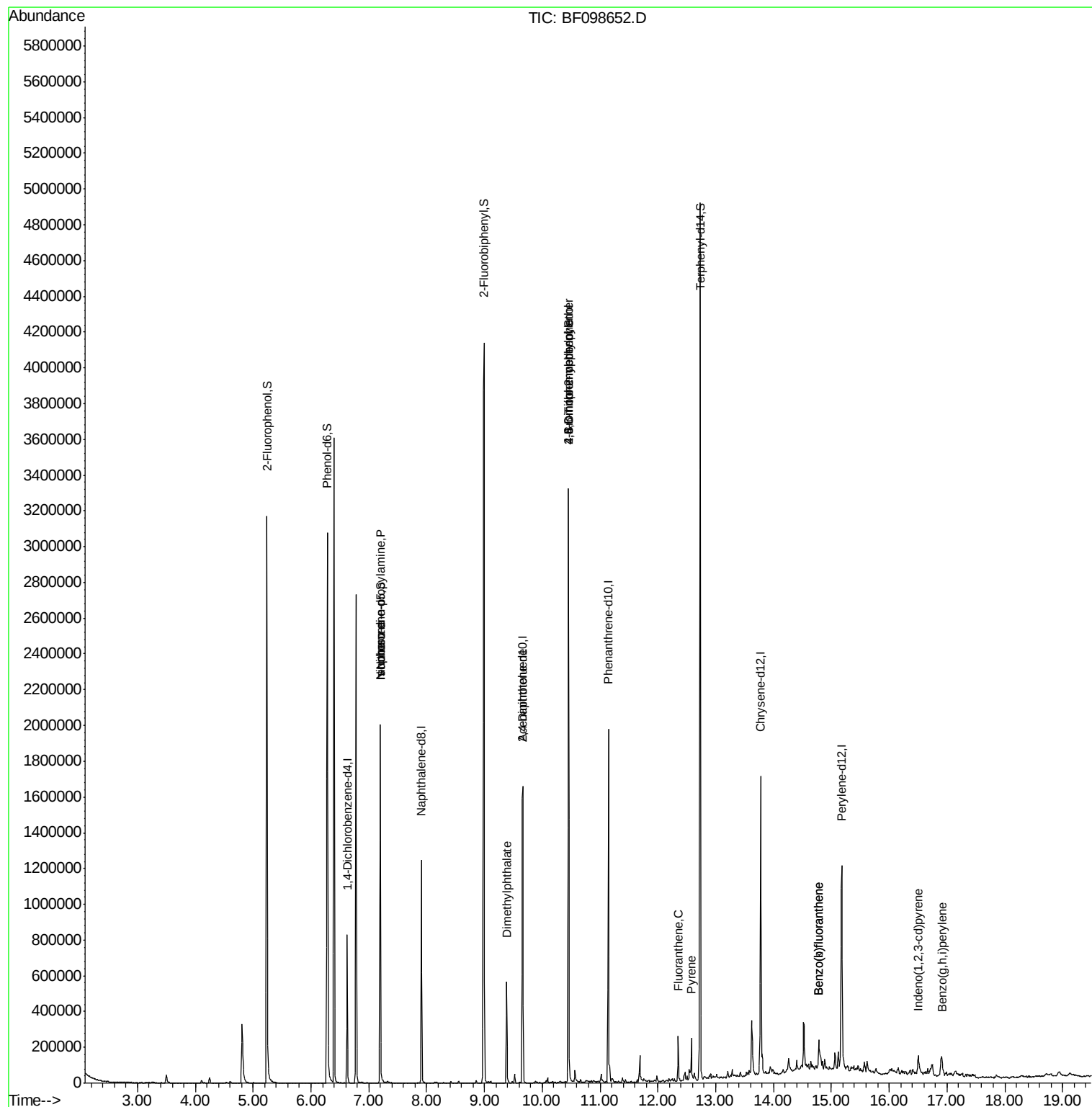
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	115870	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	520216	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	338246	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	675823	20.00	ng	0.00
75) Chrysene-d12	13.78	240	541024	20.00	ng	0.00
86) Perylene-d12	15.18	264	485598	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	945331	120.63	ng	0.00
7) Phenol-d6	6.29	99	1250431	125.67	ng	0.00
23) Nitrobenzene-d5	7.20	82	784423	84.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	382561	169.46	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	1394584	69.88	ng	0.00
78) Terphenyl-d14	12.73	244	1903039	75.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	105930	16.92	ng	# 79
25) Isophorone	7.20	82	784499	41.55	ng	# 67
49) Dimethylphthalate	9.39	163	204443	7.81	ng	100
56) 2,4-Dinitrotoluene	9.66	165	43478	6.65	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.45	198	1088	5.20	ng	# 1
66) 4-Bromophenyl-phenylether	10.46	248	28129	4.39	ng	# 1
74) Fluoranthene	12.35	202	101896	2.84	ng	96
77) Pyrene	12.58	202	89855	2.11	ng	97
85) Indeno(1,2,3-cd)pyrene	16.50	276	45846	2.04	ng	93
87) Benzo(b)fluoranthene	14.79	252	91931	3.01	ng	97
88) Benzo(k)fluoranthene	14.79	252	91931	3.23	ng	97
91) Benzo(a,h,i)perylene	16.90	276	77375	3.89	ng	94

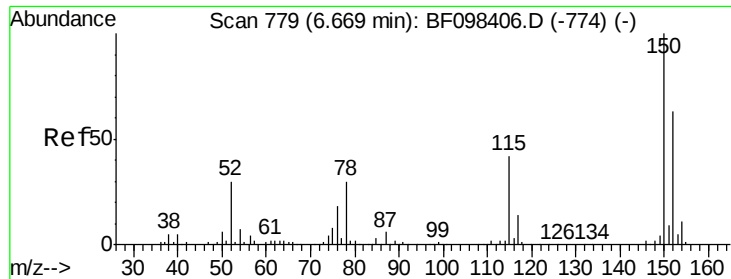
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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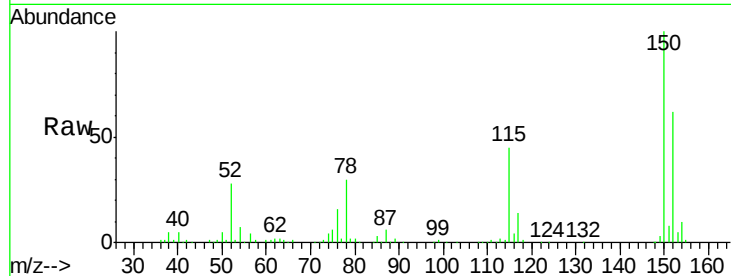


#1

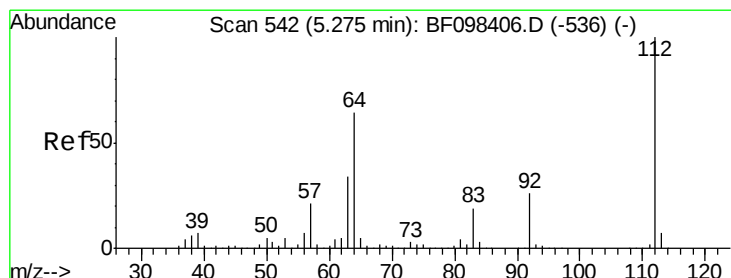
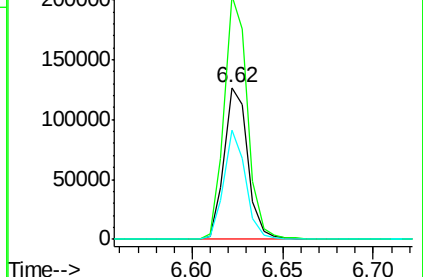
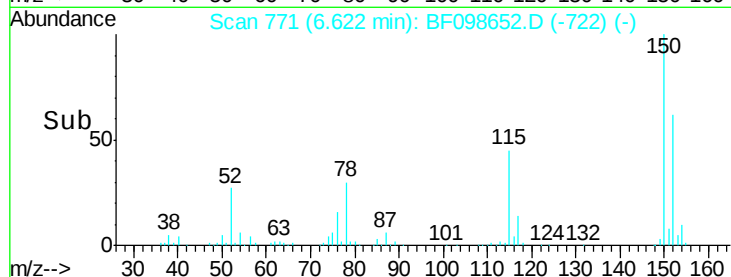
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF098652.D
Acq: 19 Sep 2017 20:20

Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-125-14(0-5)

Tot Ion:152 Resp: 115870
Ion Ratio Lower Upper
152 100
150 160.4 126.2 189.2
115 72.0 52.2 78.2



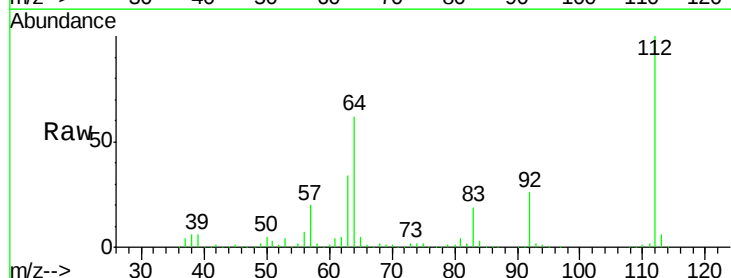
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



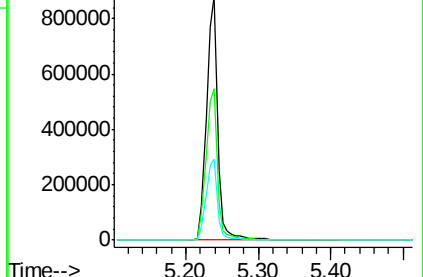
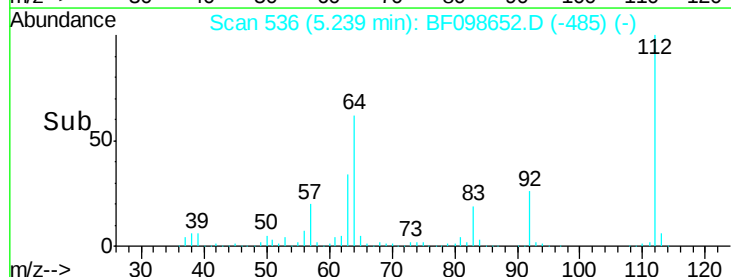
#5

2-Fluorophenol
Concen: 120.63 ng
RT: 5.24 min Scan# 536
Delta R.T. -0.00 min
Lab File: BF098652.D
Acq: 19 Sep 2017 20:20

Tgt Ion:112 Resp: 945331
Ion Ratio Lower Upper
112 100
64 62.4 46.0 69.0
63 33.5 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: 125.67 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-125-14(0-5)

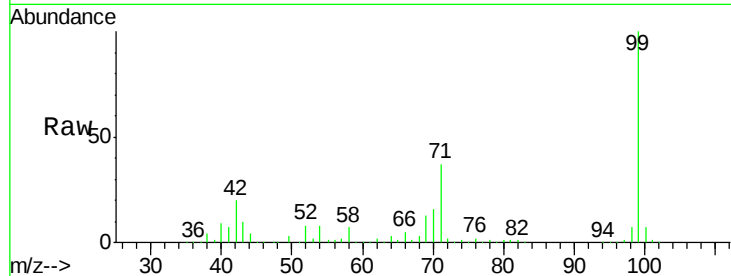
Tot Ion: 99 Resp: 1250431

Ion Ratio Lower Upper

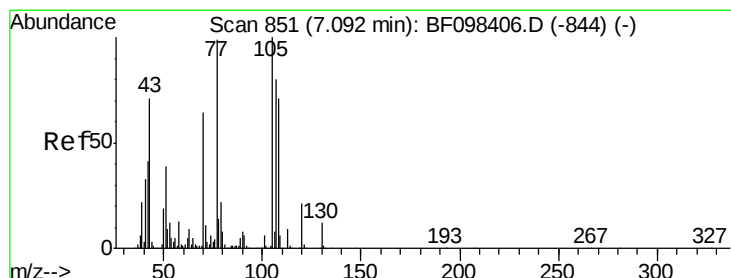
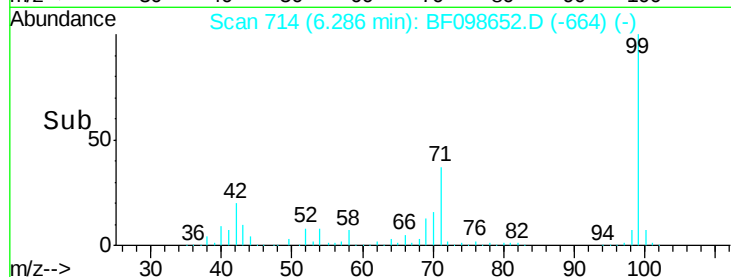
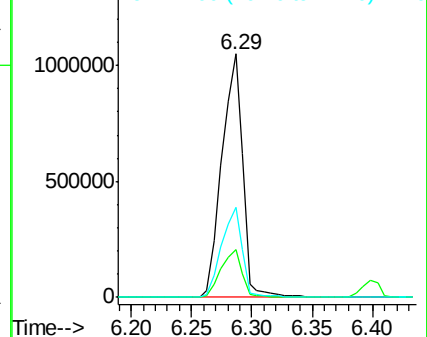
99 100

42 19.6 13.5 20.3

71 37.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.92 ng

RT: 7.20 min Scan# 869

Delta R.T. 0.14 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

Tgt Ion: 70 Resp: 105930

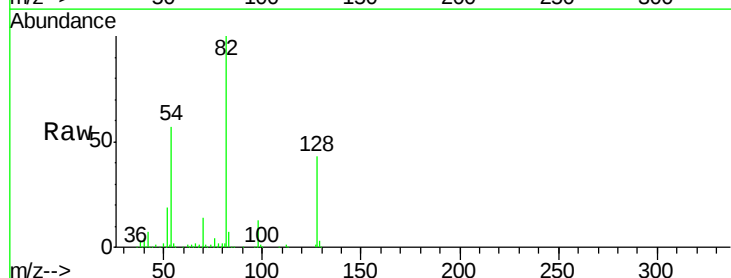
Ion Ratio Lower Upper

70 100

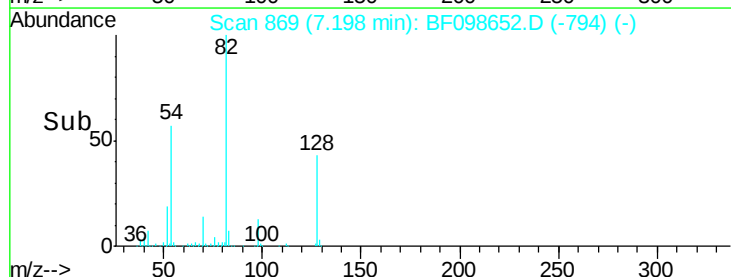
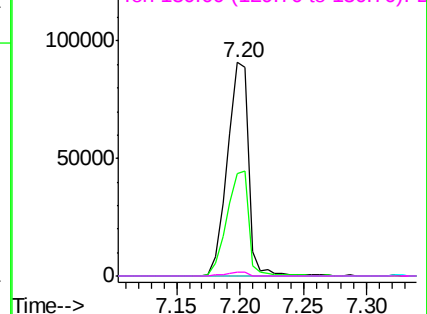
42 48.0 47.2 70.8

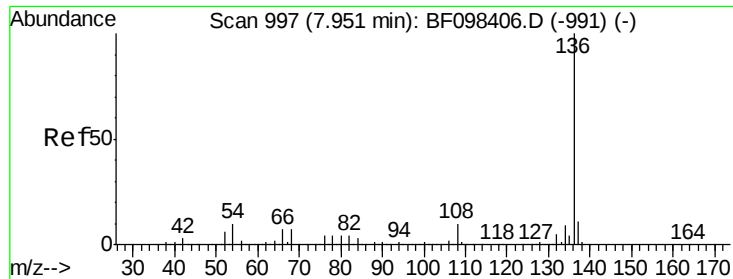
101 0.0 7.2 10.8#

130 2.1 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: 7.91 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-125-14(0-5)

Tot Ion:136 Resp: 520216

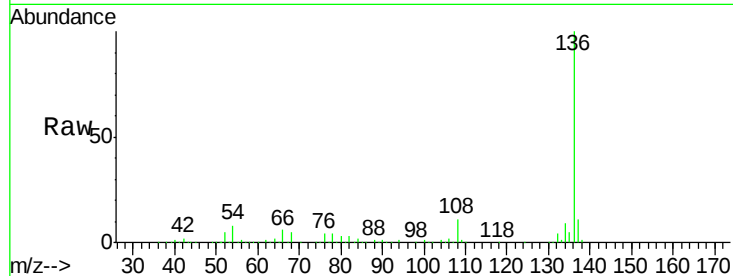
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.4 4.9 7.3#

68 4.8 4.1 6.1

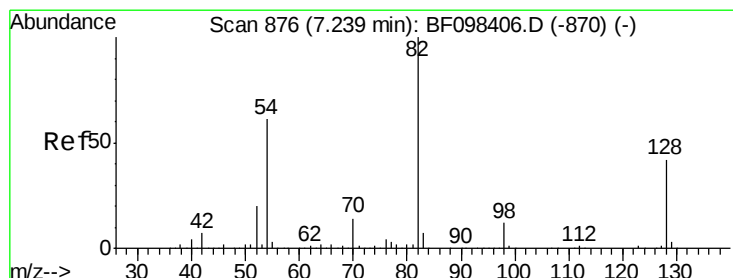
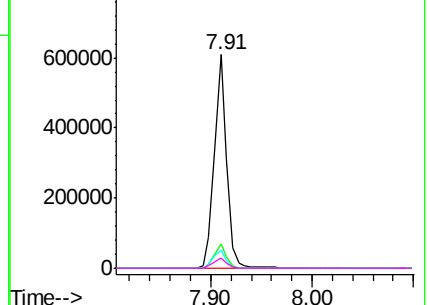
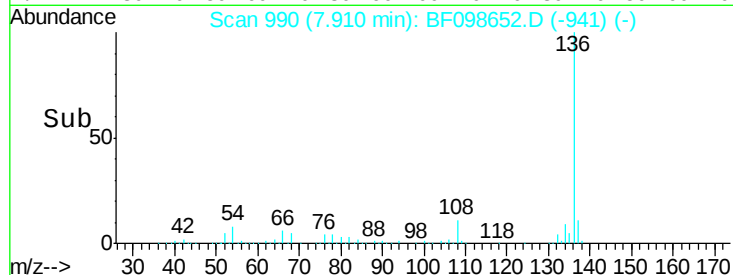


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.06 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

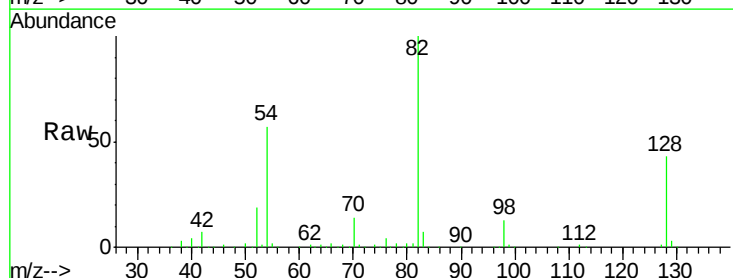
Tgt Ion: 82 Resp: 784423

Ion Ratio Lower Upper

82 100

128 43.4 34.0 51.0

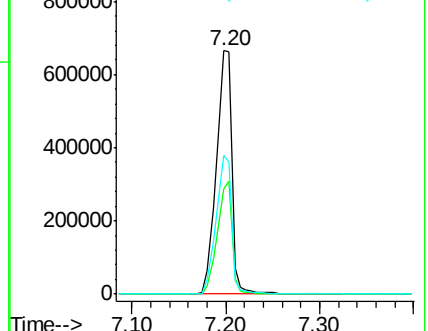
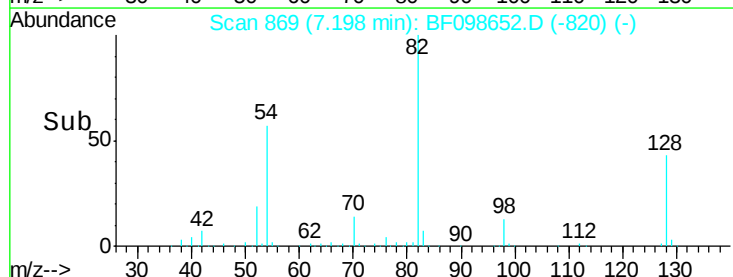
54 56.9 42.2 63.2

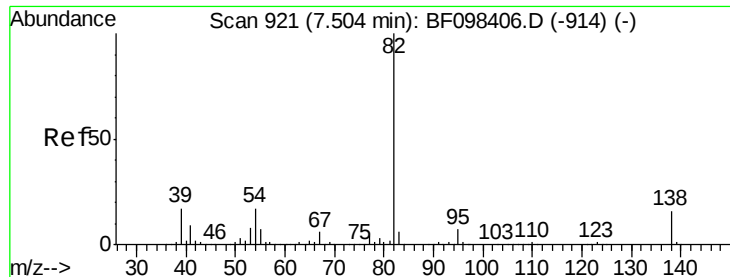


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 41.55 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.27 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-125-14(0-5)

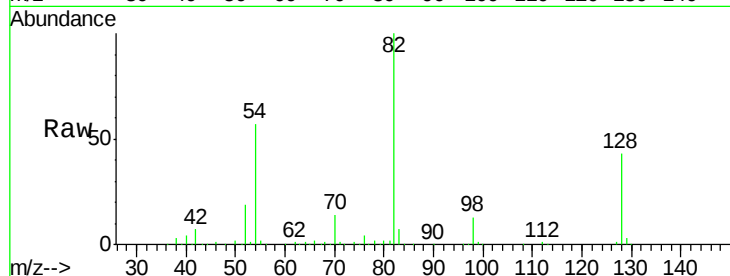
Tot Ion: 82 Resp: 784499

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

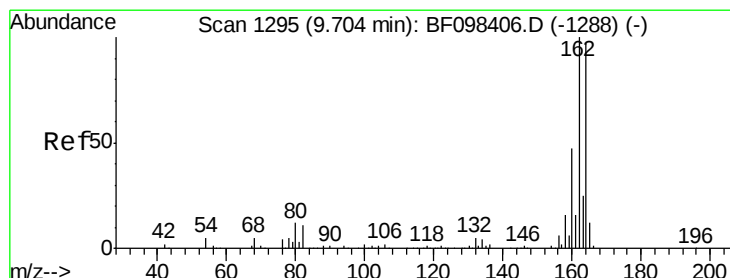
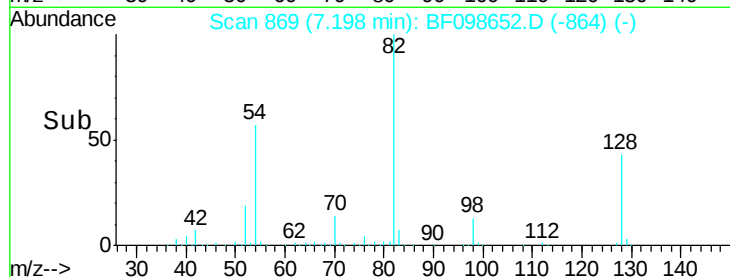
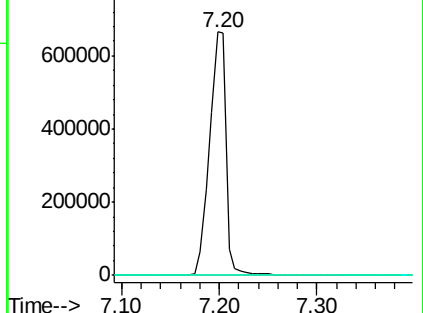
138 0.0 13.1 19.7#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

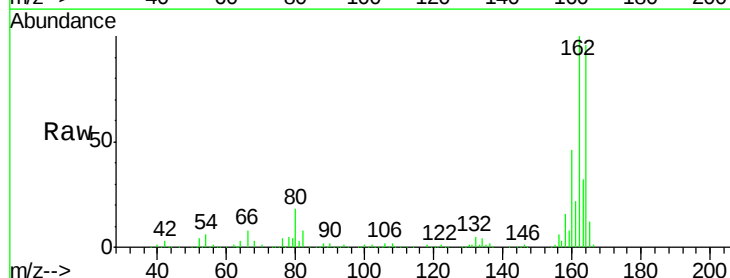
Tgt Ion: 164 Resp: 338246

Ion Ratio Lower Upper

164 100

162 104.2 82.6 123.8

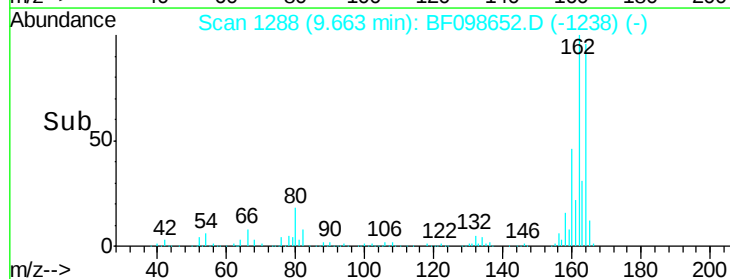
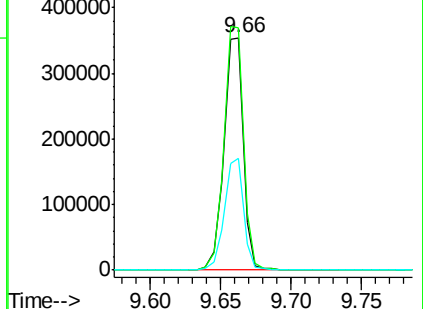
160 48.0 36.2 54.2

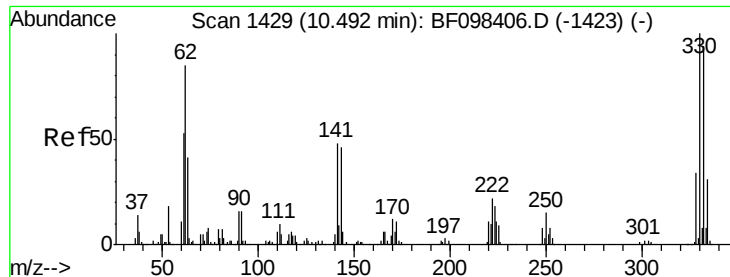


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

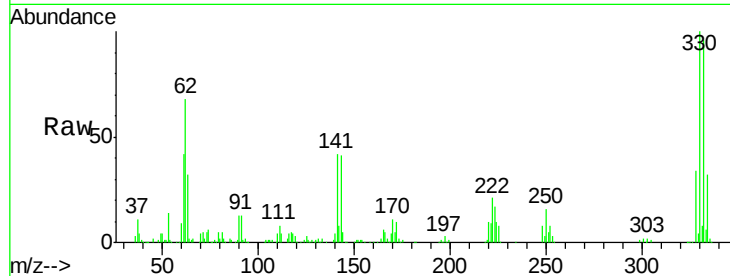




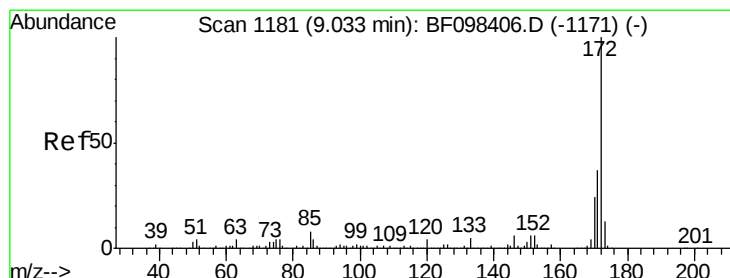
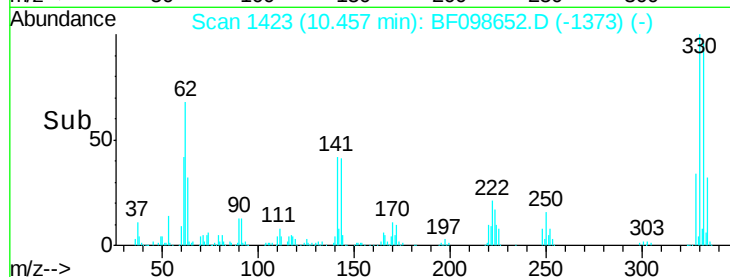
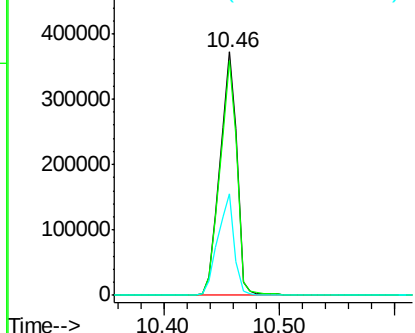
#41
 2,4,6-Tribromophenol
 Concen: 169.46 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF098652.D
 Acq: 19 Sep 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-ENV-125-14(0-5)

Tot Ion:330 Resp: 382561
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 115.0
 141 40.4 31.4 47.2

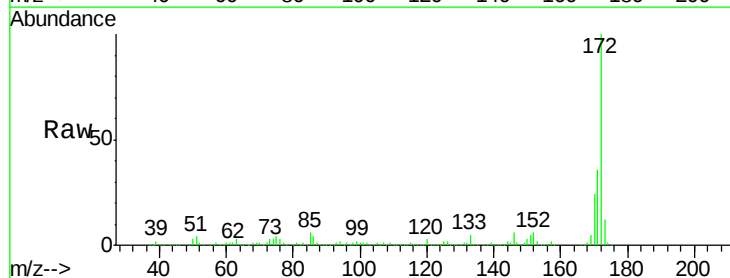


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

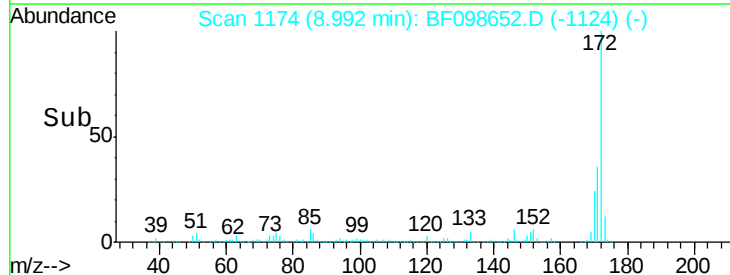
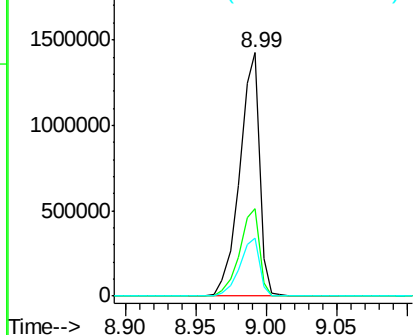


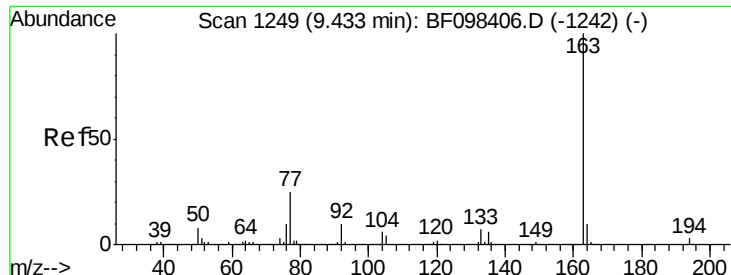
#44
 2-Fluorobiphenyl
 Concen: 69.88 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BF098652.D
 Acq: 19 Sep 2017 20:20

Tgt Ion:172 Resp: 1394584
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.7 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

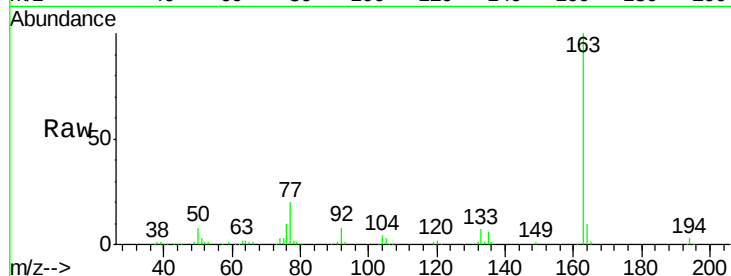




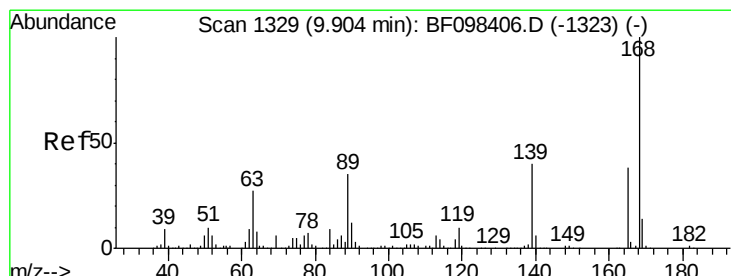
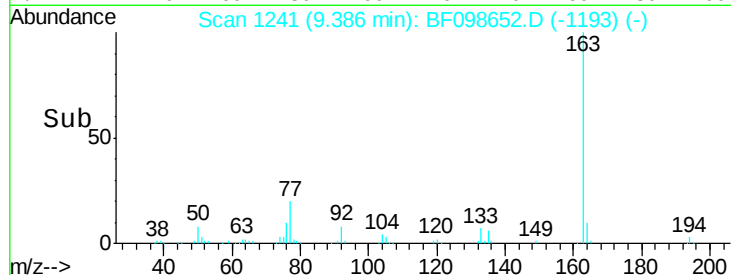
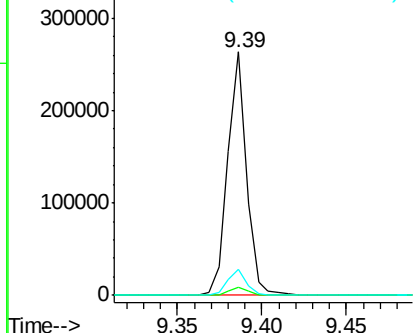
#49
Dimethylphthalate
Concen: 7.81 ng
RT: 9.39 min Scan# 1241
Delta R.T. -0.02 min
Lab File: BF098652.D
Acq: 19 Sep 2017 20:20

Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-125-14(0-5)

Tot Ion:163 Resp: 204443
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.4 8.4 12.6

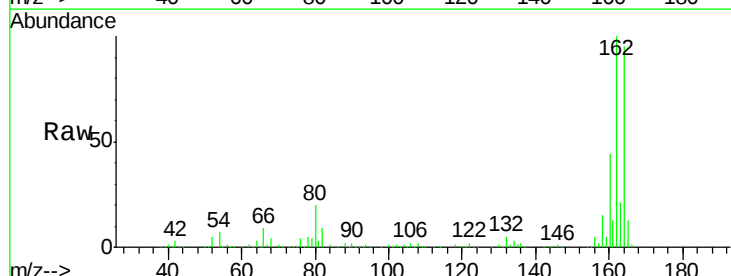


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

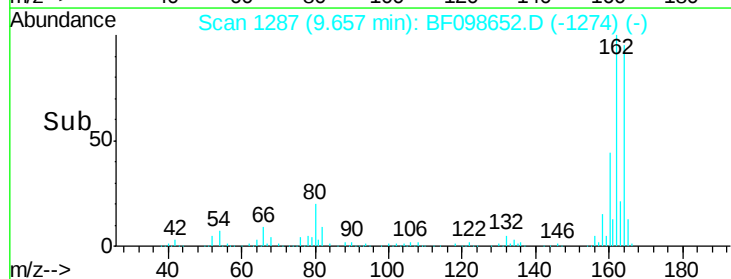
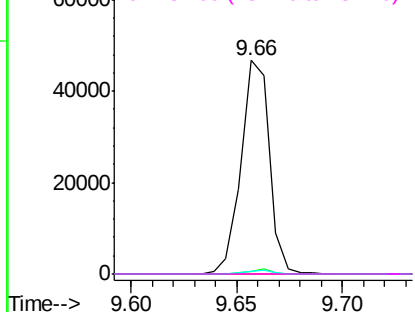


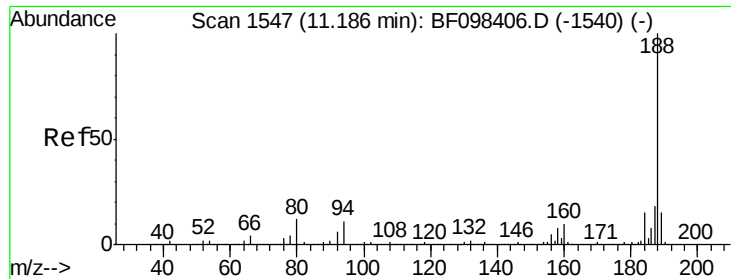
#56
2,4-Dinitrotoluene
Concen: 6.65 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.22 min
Lab File: BF098652.D
Acq: 19 Sep 2017 20:20

Tgt Ion:165 Resp: 43478
Ion Ratio Lower Upper
165 100
63 1.1 25.4 38.0#
89 1.4 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

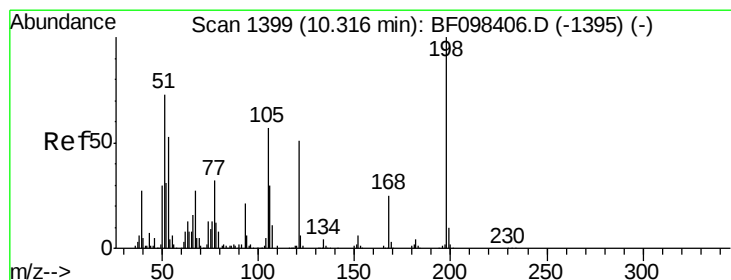
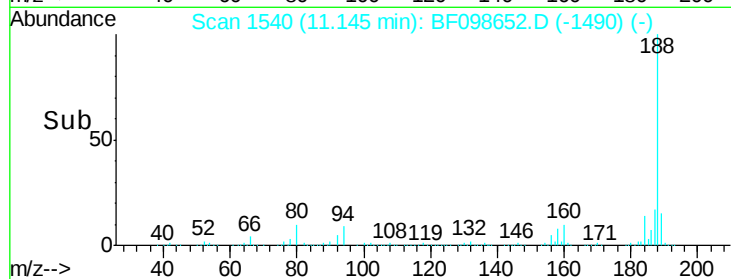
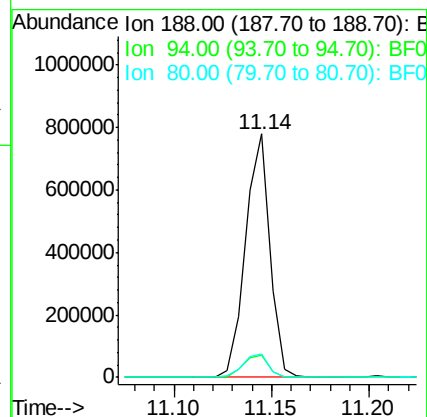
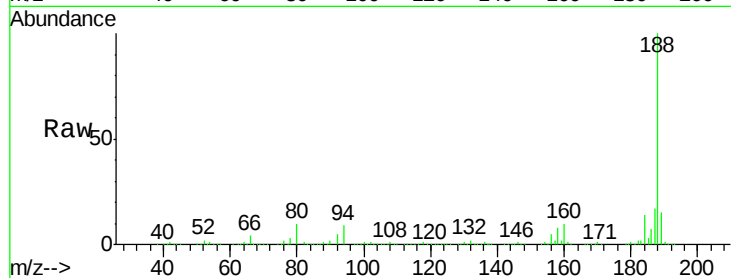




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BF098652.D
Acq: 19 Sep 2017 20:20

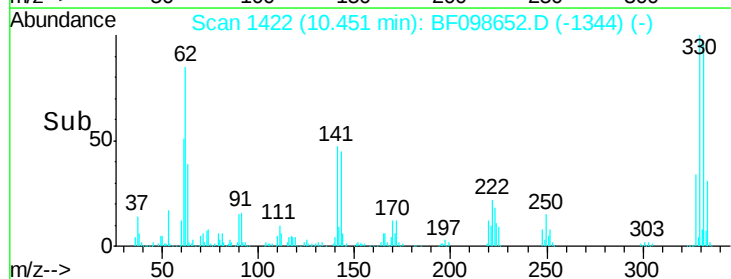
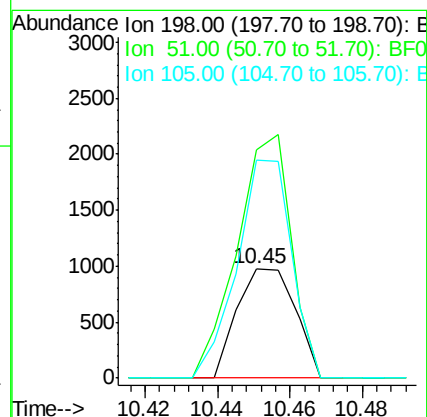
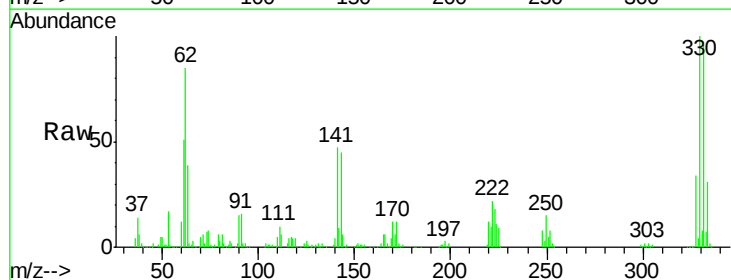
Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-125-14(0-5)

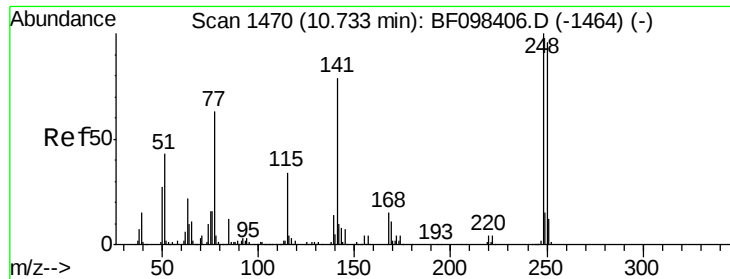
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.9	9.4	14.2#
80	9.7	10.2	15.2#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.20 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.16 min
Lab File: BF098652.D
Acq: 19 Sep 2017 20:20

Tgt Ion	Ratio	Lower	Upper
198	100		
51	207.7	53.2	93.2#
105	199.0	45.8	85.8#

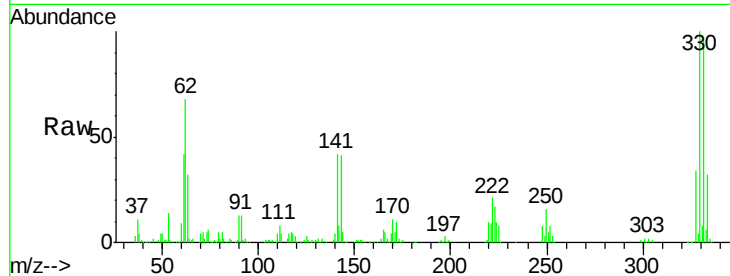




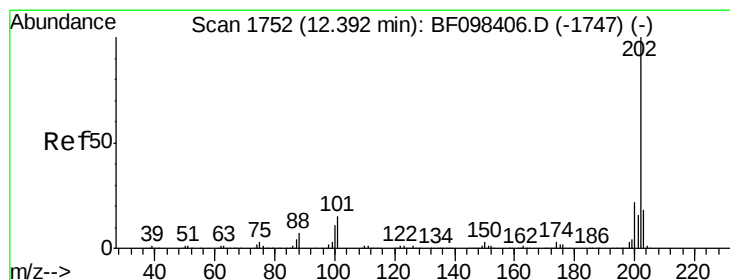
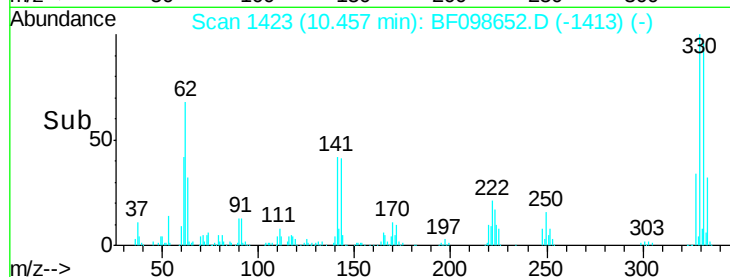
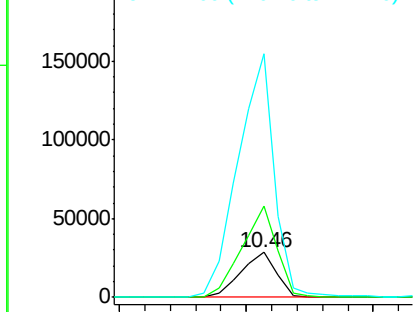
#66
4-Bromophenyl-phenylether
Concen: 4.39 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.24 min
Lab File: BF098652.D
Acq: 19 Sep 2017 20:20

Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-125-14(0-5)

Tot Ion:248 Resp: 28129
Ion Ratio Lower Upper
248 100
250 202.5 76.8 115.2#
141 539.4 68.6 103.0#

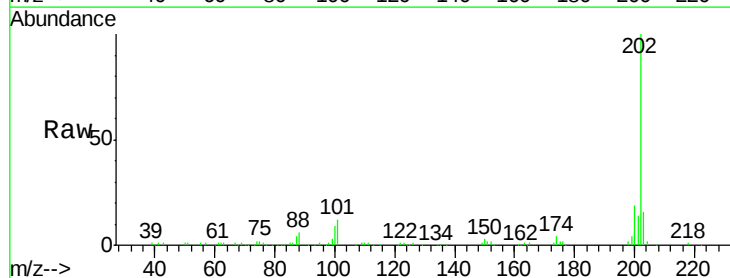


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

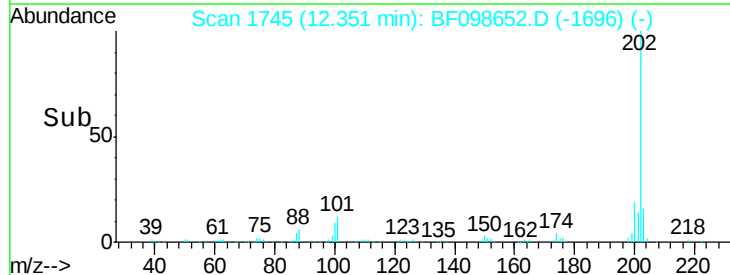
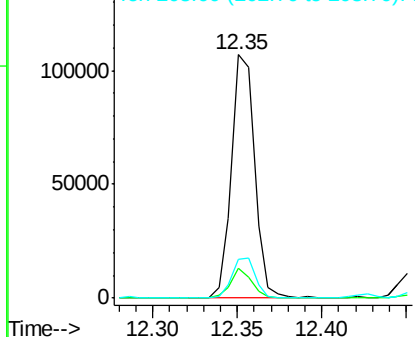


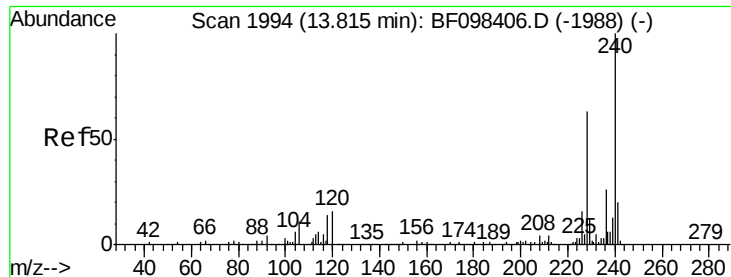
#74
Fluoranthene
Concen: 2.84 ng
RT: 12.35 min Scan# 1745
Delta R.T. -0.01 min
Lab File: BF098652.D
Acq: 19 Sep 2017 20:20

Tgt Ion:202 Resp: 101896
Ion Ratio Lower Upper
202 100
101 12.3 0.0 33.2
203 15.8 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: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-125-14(0-5)

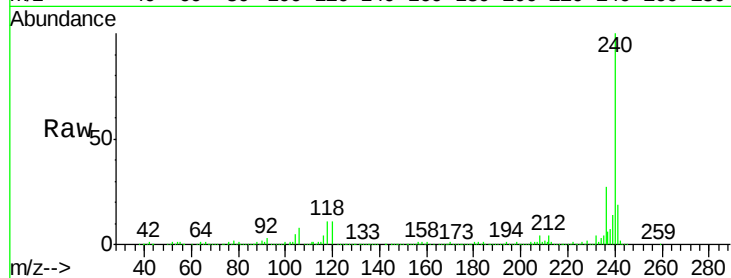
Tot Ion:240 Resp: 541024

Ion Ratio Lower Upper

240 100

120 11.3 5.8 8.8#

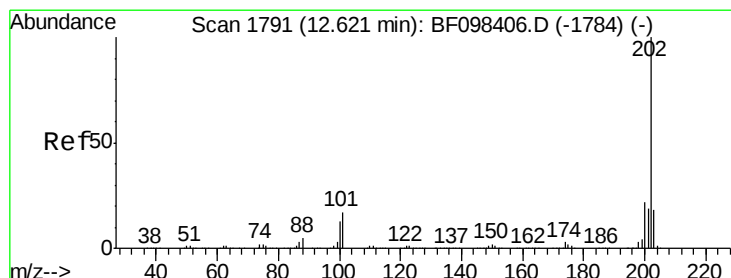
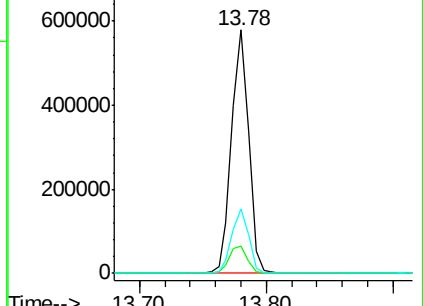
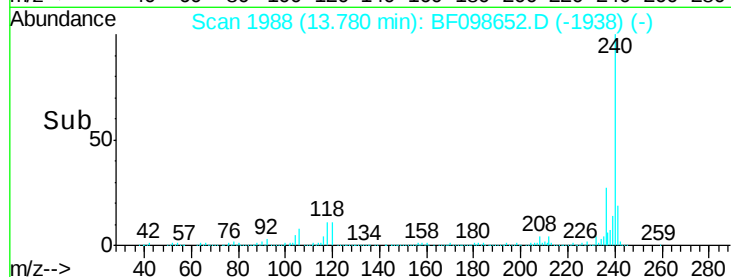
236 26.6 20.5 30.7



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: 2.11 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

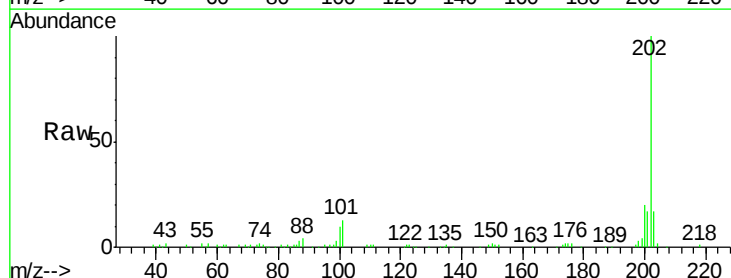
Tgt Ion:202 Resp: 89855

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

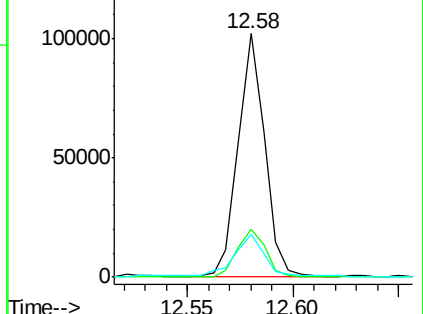
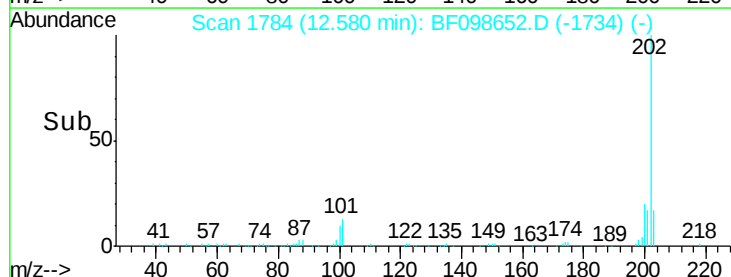
203 17.3 14.4 21.6

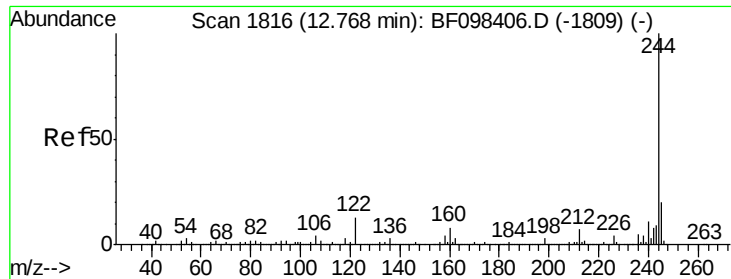


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.92 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

Instrument :

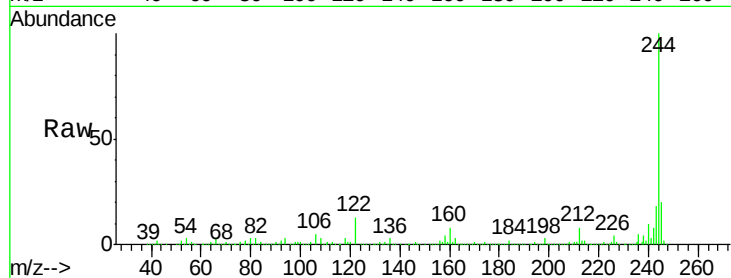
BNA_F

ClientSampleId :

SASP2P-ENV-125-14(0-5)

Tot Ion:244 Resp: 1903039

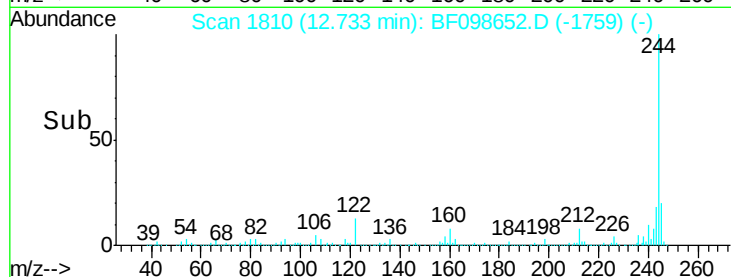
Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	13.4	10.3	15.5



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



12.73

1500000

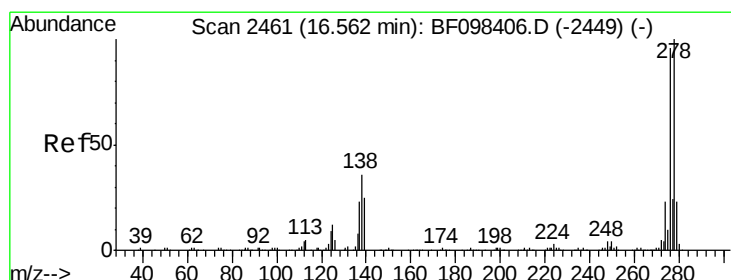
1000000

500000

0

Time-->

12.70 12.80



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.04 ng

RT: 16.50 min Scan# 2451

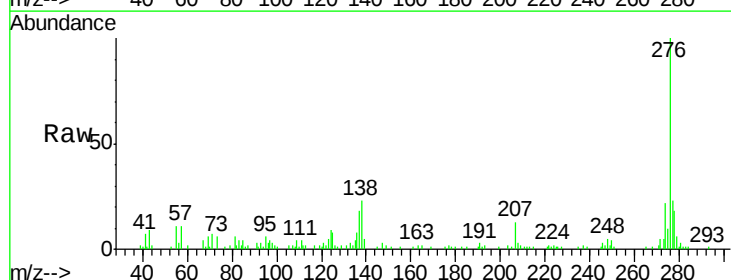
Delta R.T. -0.01 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

Tgt Ion:276 Resp: 45846

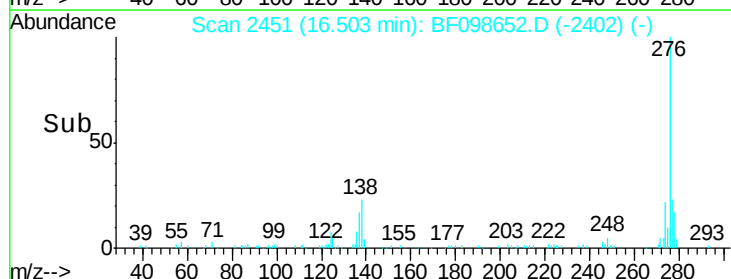
Ion	Ratio	Lower	Upper
276	100		
138	28.7	27.8	41.6
277	26.9	20.2	30.4



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



16.50

40000

30000

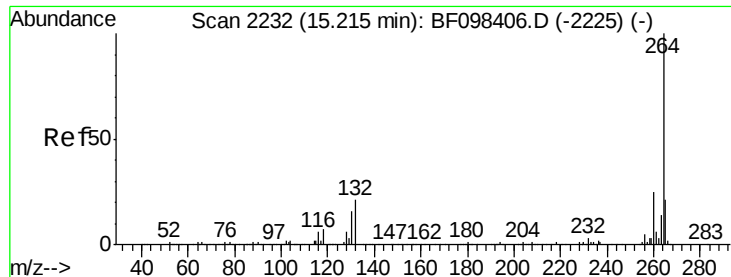
20000

10000

0

Time-->

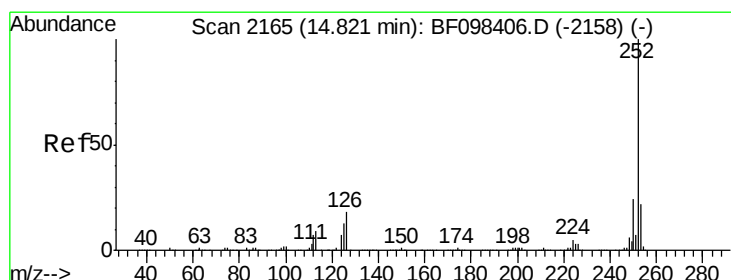
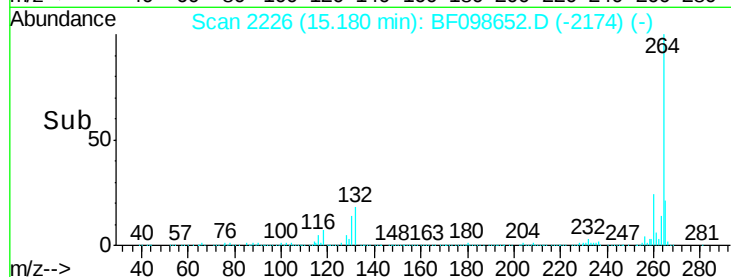
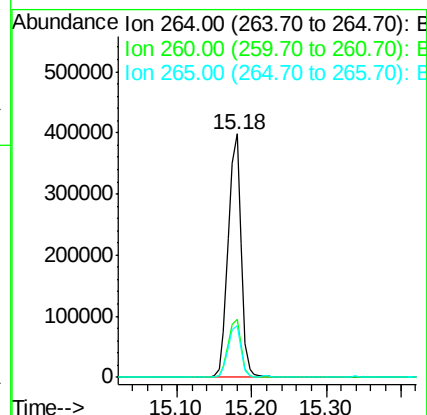
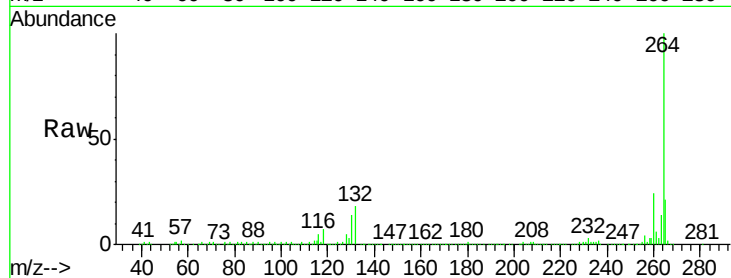
16.45 16.50 16.55 16.60



#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF098652.D
Acq: 19 Sep 2017 20:20

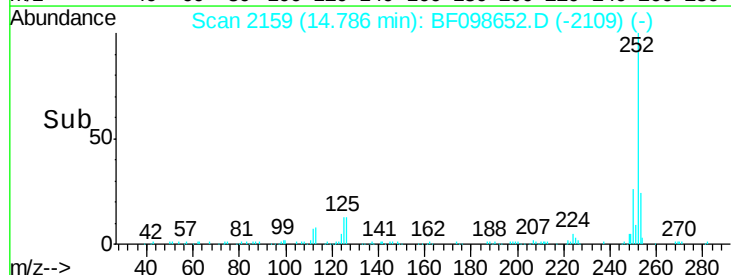
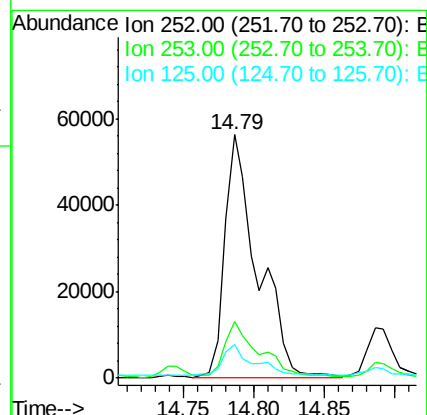
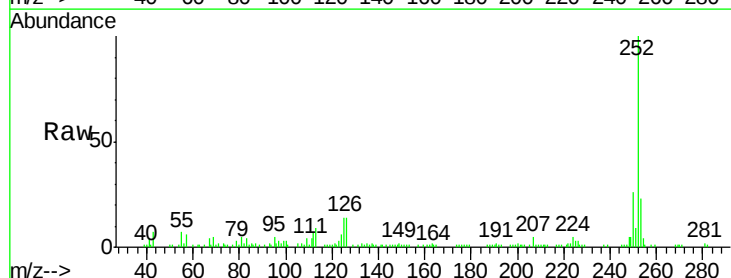
Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-125-14(0-5)

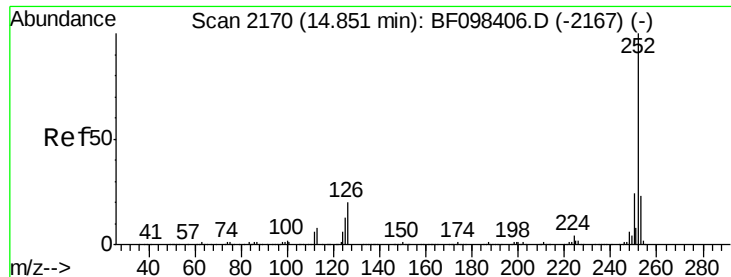
Tot Ion:264 Resp: 485598
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.01 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BF098652.D
Acq: 19 Sep 2017 20:20

Tgt Ion:252 Resp: 91931
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 13.9 9.8 14.8





#88

Benzo(k)fluoranthene

Concen: 3.23 ng

RT: 14.79 min Scan# 2159

Delta R.T. -0.03 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-125-14(0-5)

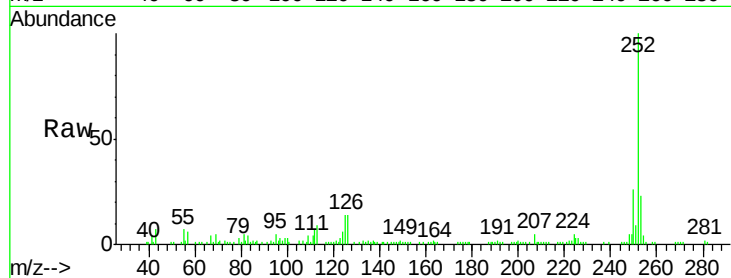
Tot Ion:252 Resp: 91931

Ion Ratio Lower Upper

252 100

253 23.5 18.4 27.6

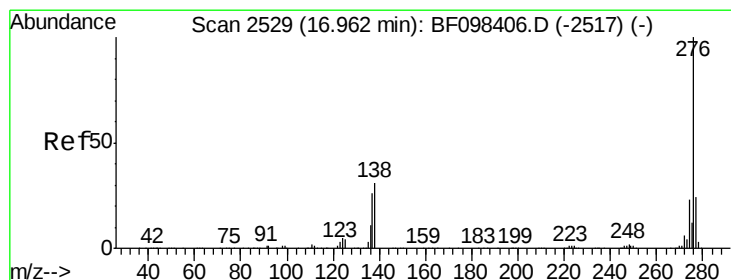
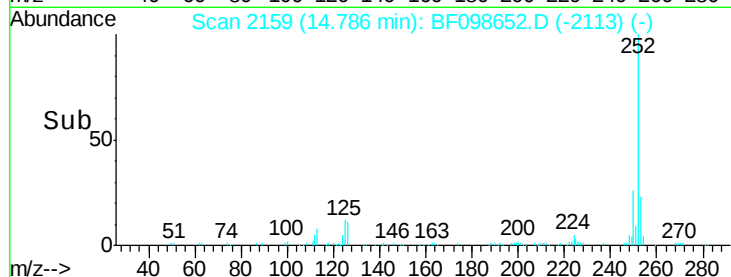
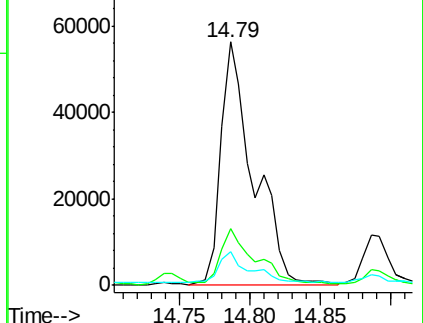
125 13.9 13.1 19.7



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



#91

Benzo(g,h,i)perylene

Concen: 3.89 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BF098652.D

Acq: 19 Sep 2017 20:20

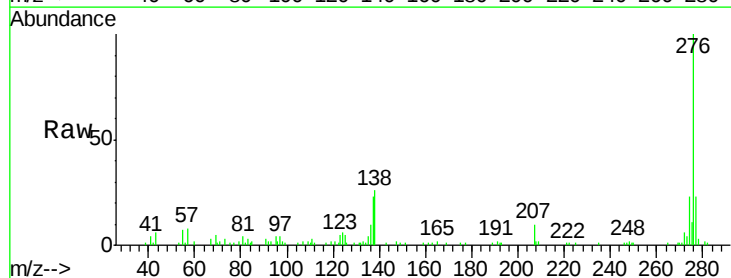
Tgt Ion:276 Resp: 77375

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

138 25.9 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

