

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
 Data File : BF098373.D
 Acq On : 9 Sep 2017 4:09
 Operator : SJ/JU
 Sample : I5136-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BRICK-WALL

Quant Time: Sep 09 05:33:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	101574	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	357876	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	130900	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	222996	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	231990	20.00	ng	-0.03
86) Perylene-d12	15.24	264	160190	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	662421	99.20	ng	0.00
7) Phenol-d6	6.34	99	916001	100.96	ng	-0.01
23) Nitrobenzene-d5	7.25	82	515305	78.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	113549	99.98	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	765965	85.97	ng	-0.02
78) Terphenyl-d14	12.79	244	604571	54.34	ng	-0.02

Target Compounds

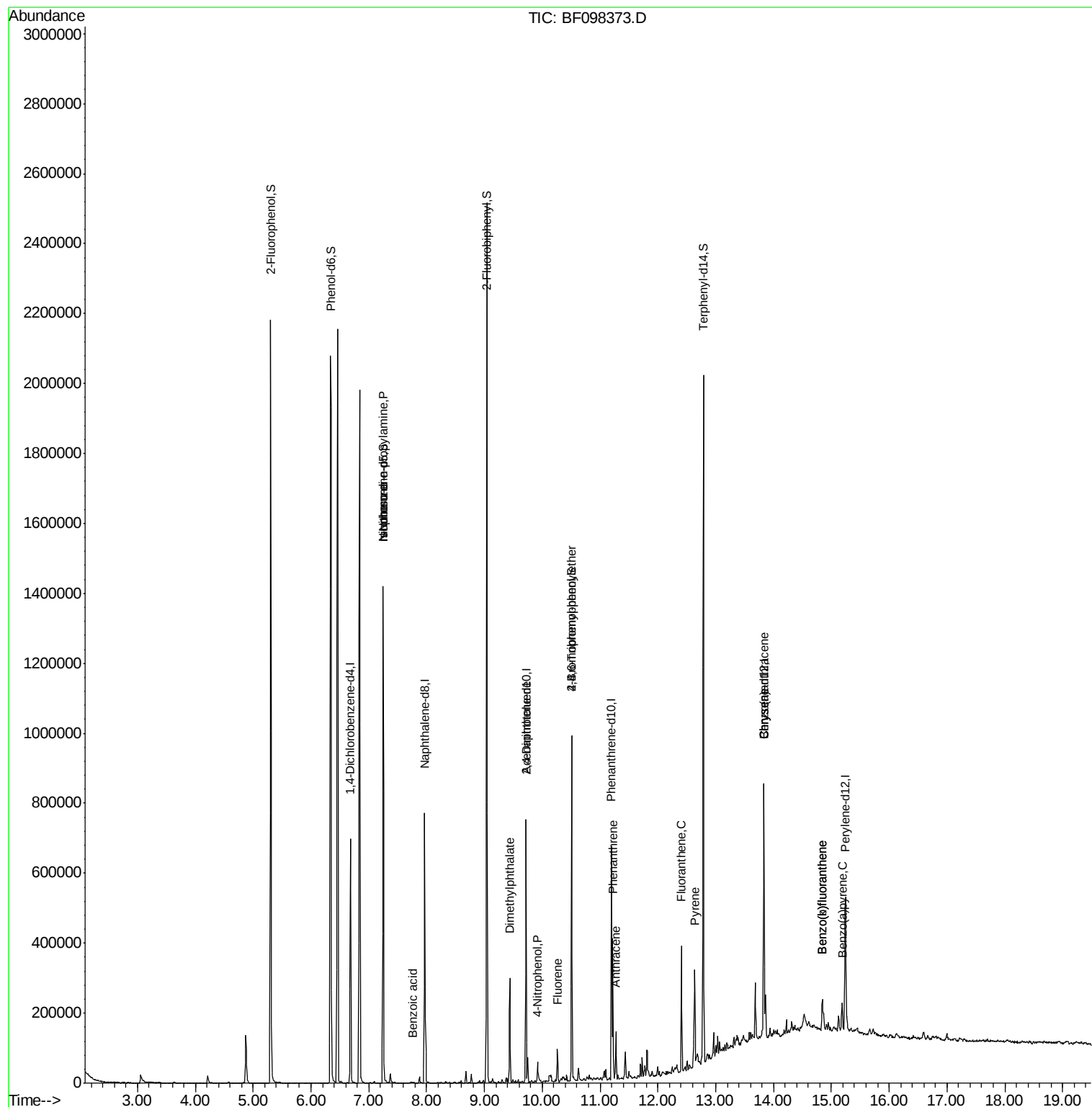
						Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	66030	10.631	ng	# 69
25) Isophorone	7.25	82	515300	37.618	ng	# 67
32) Benzoic acid	7.76	122	577	6.525	ng	# 37
49) Dimethylphthalate	9.44	163	104832	10.956	ng	99
55) 4-Nitrophenol	9.92	139	6093	3.100	ng	# 25
56) 2,4-Dinitrotoluene	9.72	165	16876	7.041	ng	# 32
57) Fluorene	10.26	166	21867	2.416	ng	99
66) 4-Bromophenyl-phenylether	10.51	248	7238	3.126	ng	# 1
70) Phenanthrene	11.22	178	139119	11.708	ng	99
71) Anthracene	11.27	178	44116	3.660	ng	99
74) Fluoranthene	12.41	202	128417	10.354	ng	98
77) Pvrene	12.64	202	108985	5.744	ng	96
80) Benzo(a)anthracene	13.83	228	57396	4.128	ng	99
82) Chrysene	13.83	228	57396	4.150	ng	97
87) Benzo(b)fluoranthene	14.84	252	59923	5.935	ng	# 93
88) Benzo(k)fluoranthene	14.84	252	59923	6.317	ng	98
89) Benzo(a)pyrene	15.19	252	31010	3.469	ng	96

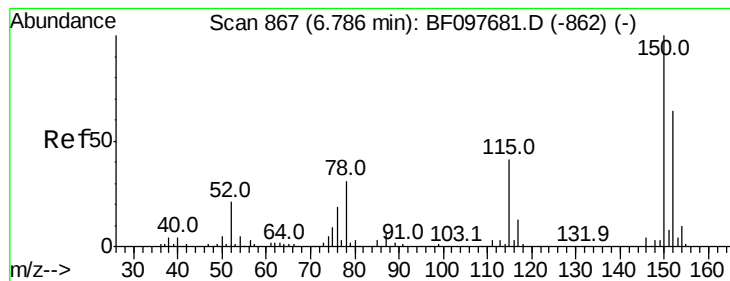
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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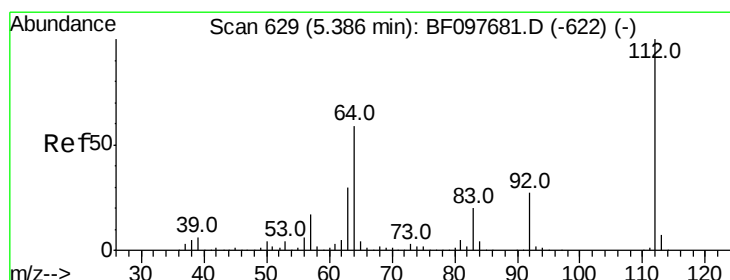
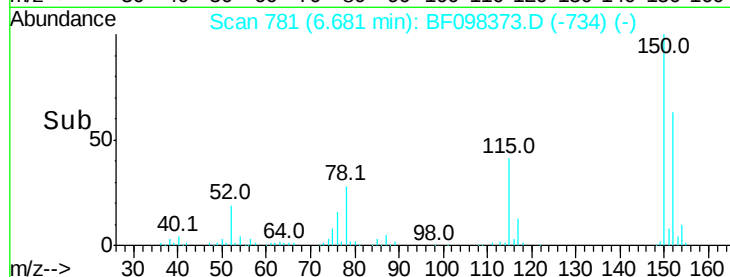
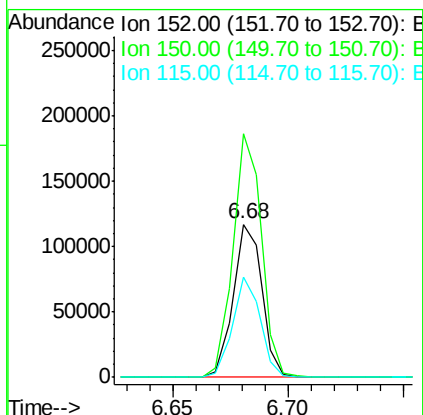
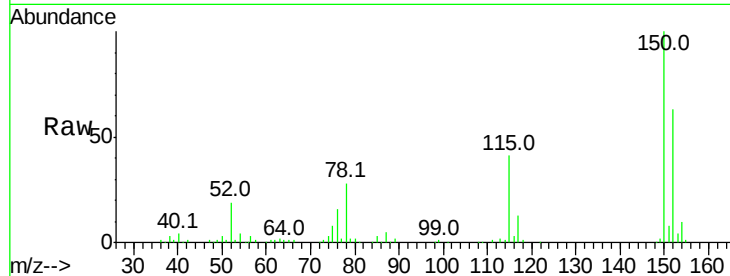


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF098373.D
Acq: 9 Sep 2017 4:09

Instrument :
BNA_F
ClientSampleId :
BRICK-WALL

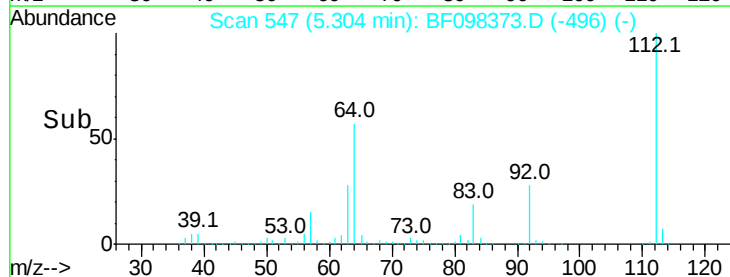
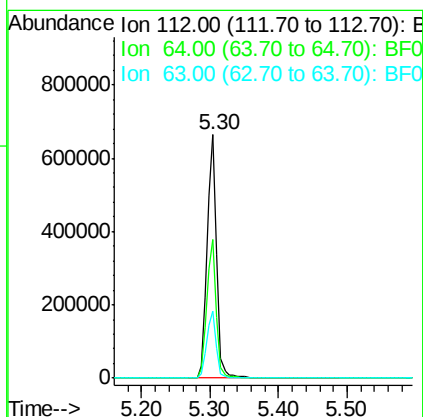
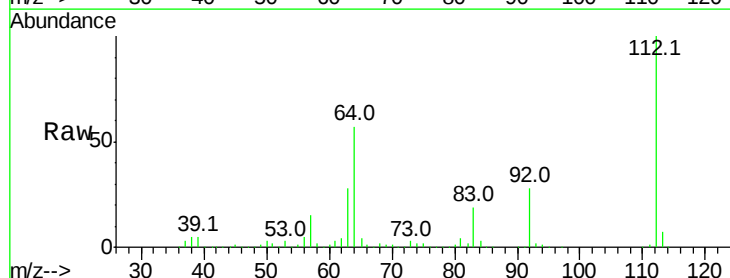
Tot Ion:152 Resp: 101574
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.2
115 65.6 52.2 78.2

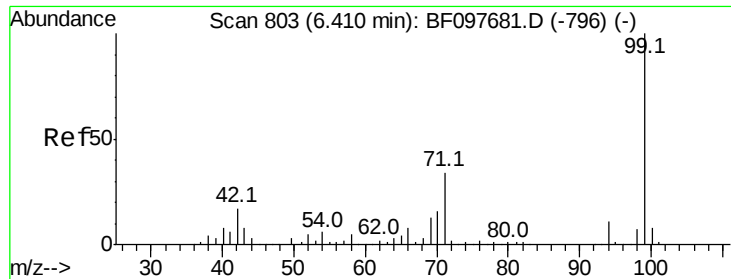


#5

2-Fluorophenol
Concen: 99.198 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF098373.D
Acq: 9 Sep 2017 4:09

Tgt Ion:112 Resp: 662421
Ion Ratio Lower Upper
112 100
64 56.7 46.0 69.0
63 27.6 23.4 35.0





#7

Phenol-d6

Concen: 100.957 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

Instrument :

BNA_F

ClientSampled :

BRICK-WALL

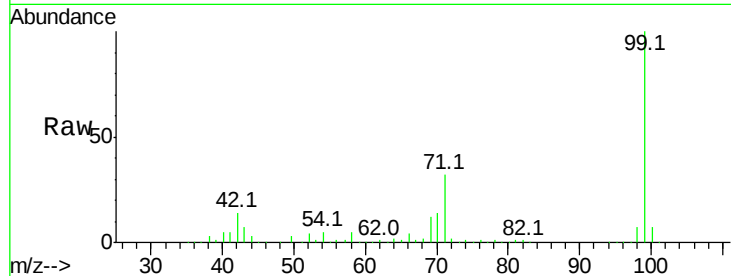
Tot Ion: 99 Resp: 916001

Ion Ratio Lower Upper

99 100

42 13.7 13.5 20.3

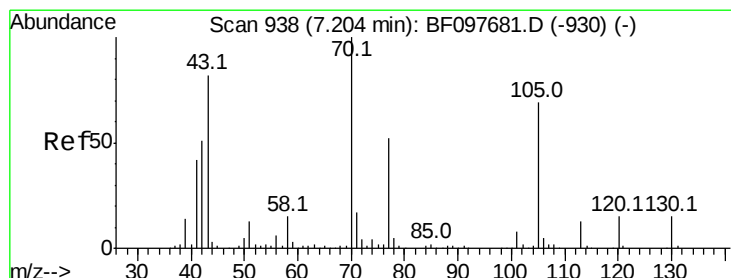
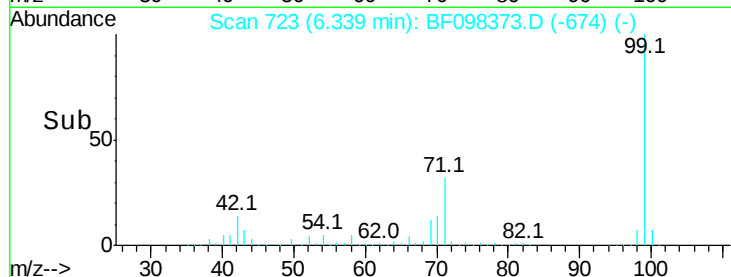
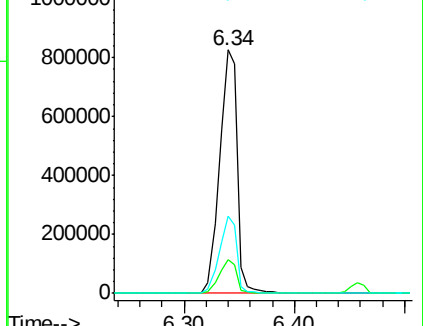
71 31.9 24.5 36.7



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: 10.631 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

Tgt Ion: 70 Resp: 66030

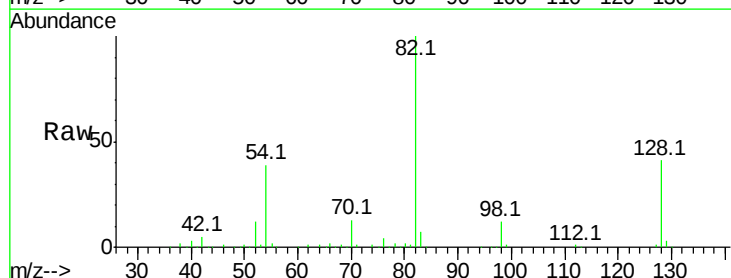
Ion Ratio Lower Upper

70 100

42 36.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

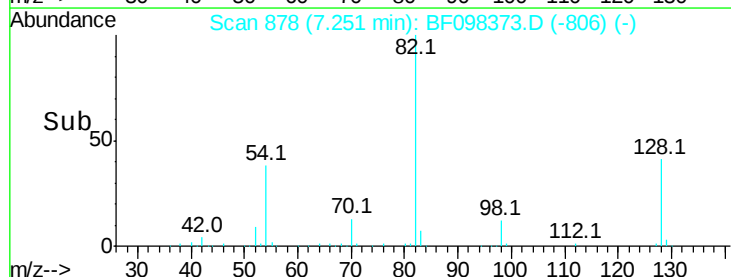
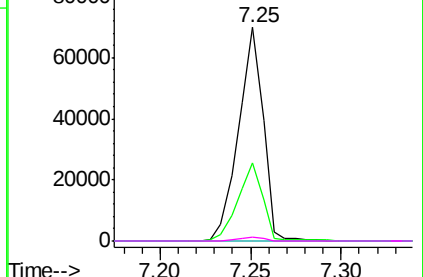


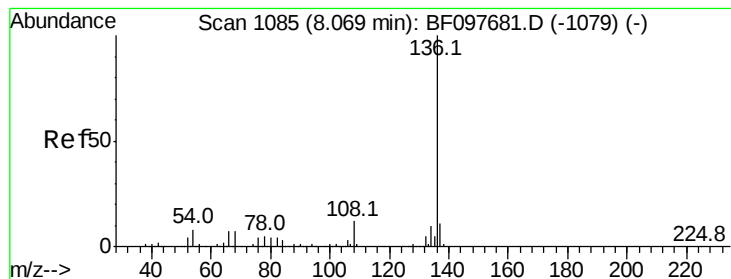
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.96 min Scan# 999

Delta R.T. -0.02 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

Instrument :

BNA_F

ClientSampleId :

BRICK-WALL

Tot Ion:136 Resp: 357876

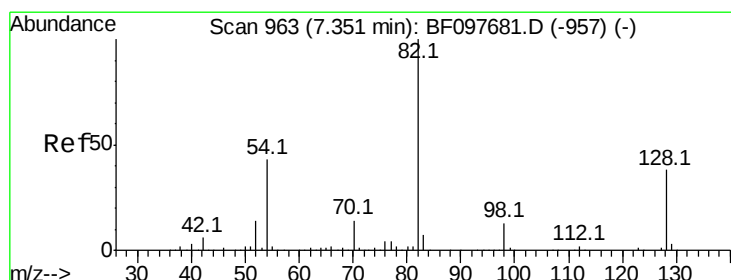
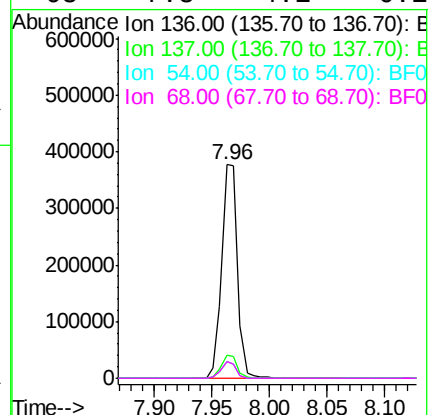
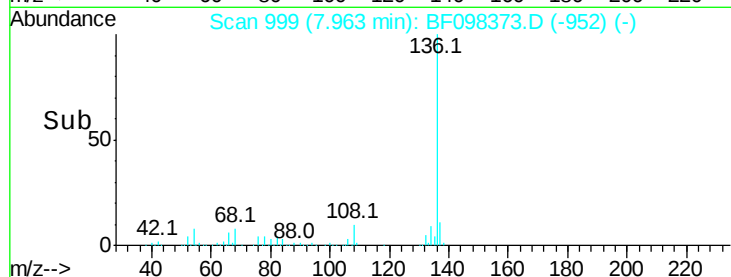
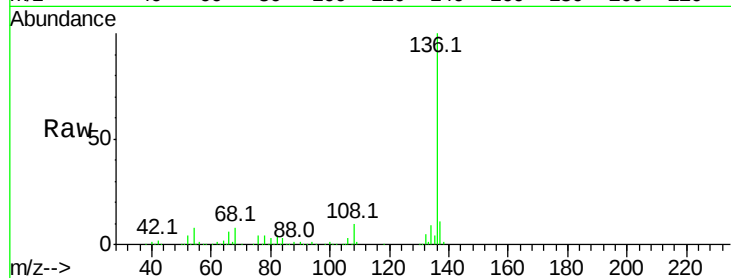
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.8 4.9 7.3#

68 7.8 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 78.222 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

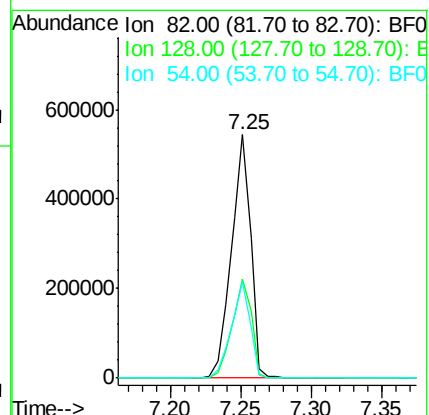
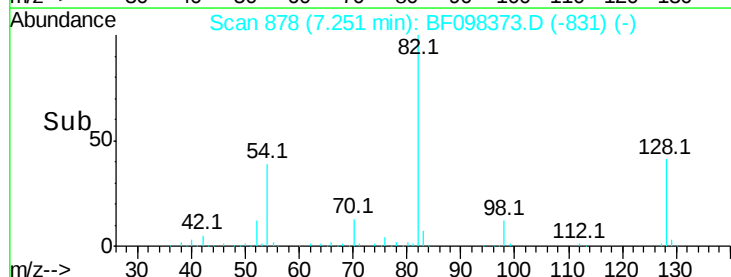
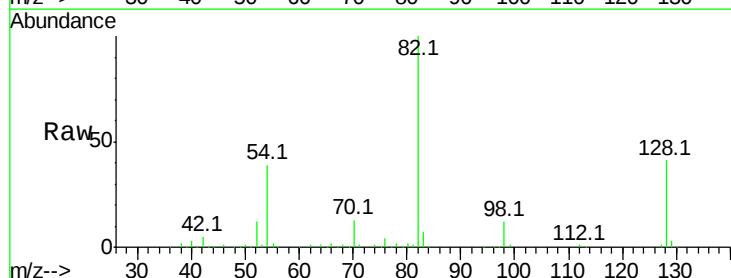
Tgt Ion: 82 Resp: 515305

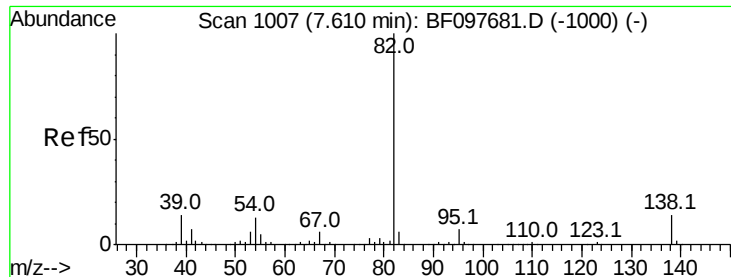
Ion Ratio Lower Upper

82 100

128 40.6 34.0 51.0

54 39.4 42.2 63.2#





#25

Isophorone

Concen: 37.618 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.28 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

Instrument :

BNA_F

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BRICK-WALL

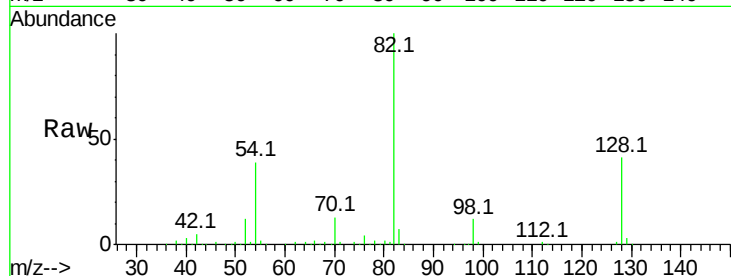
Tot Ion: 82 Resp: 515300

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

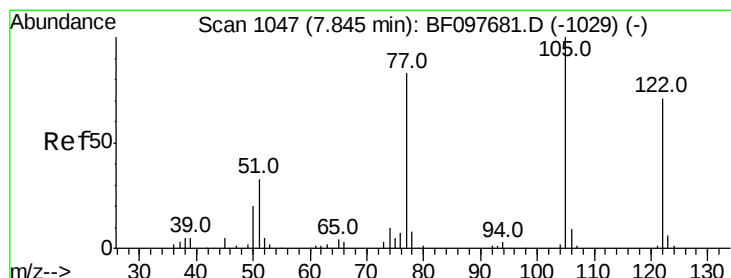
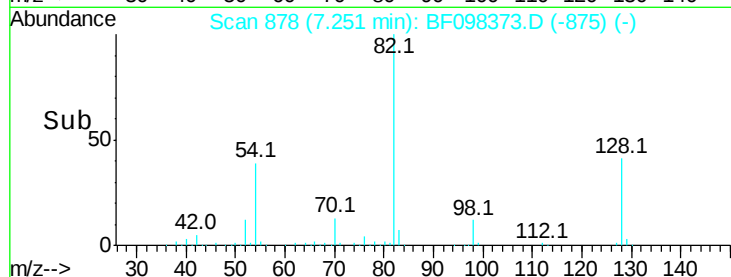
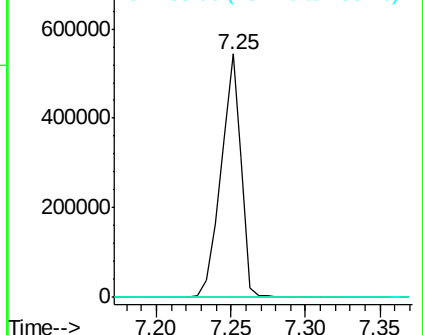
138 0.0 13.1 19.7#



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



#32

Benzoic acid

Concen: 6.525 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.04 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

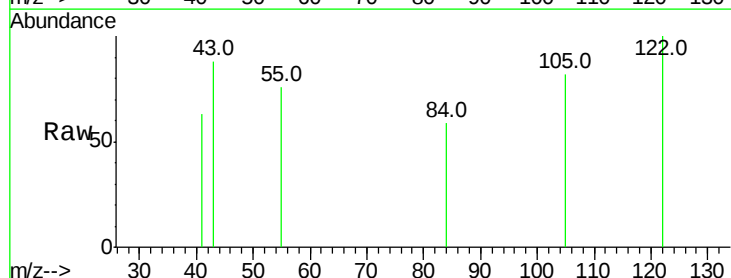
Tgt Ion:122 Resp: 577

Ion Ratio Lower Upper

122 100

105 81.7 103.3 143.3#

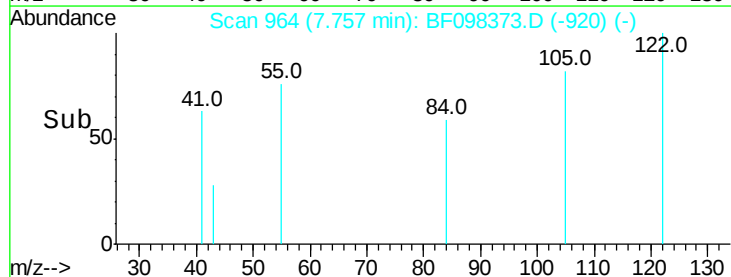
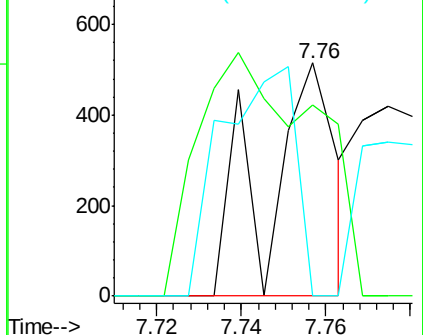
77 0.0 73.7 113.7#

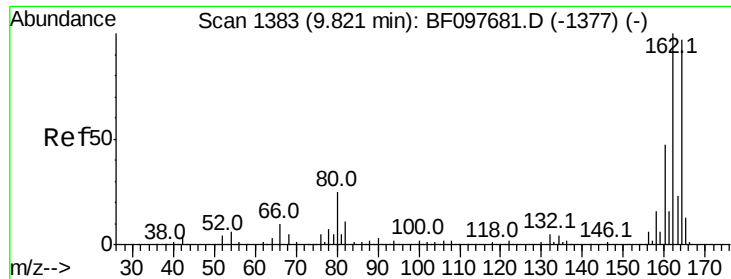


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

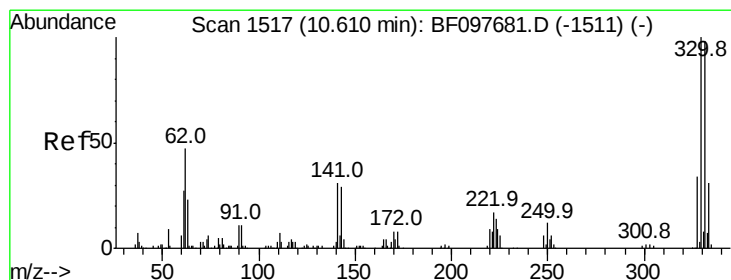
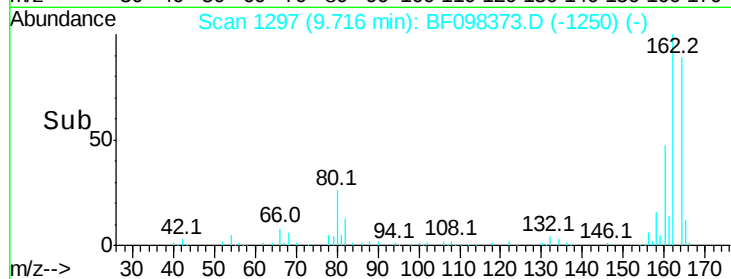
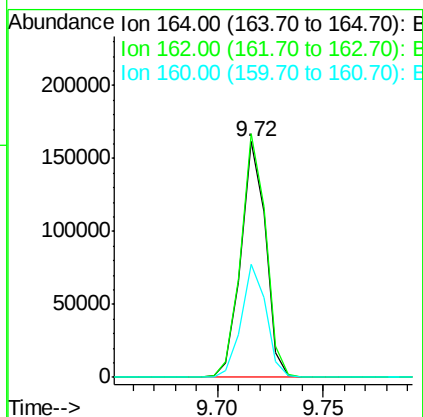
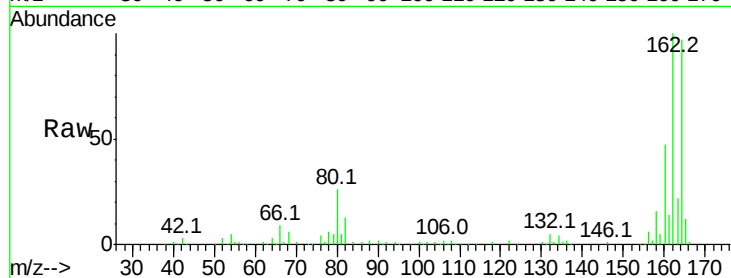




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF098373.D
Acq: 9 Sep 2017 4:09

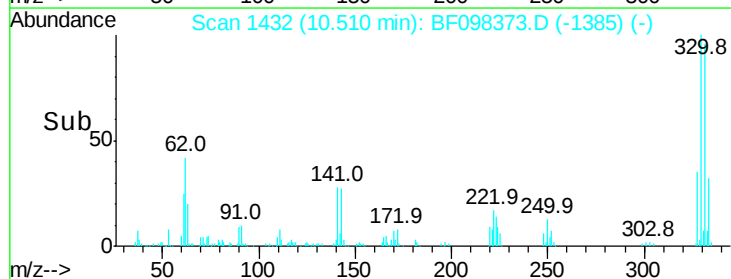
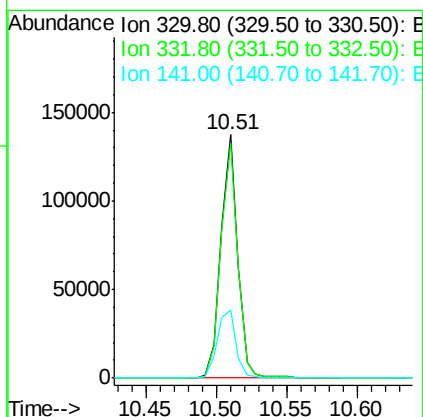
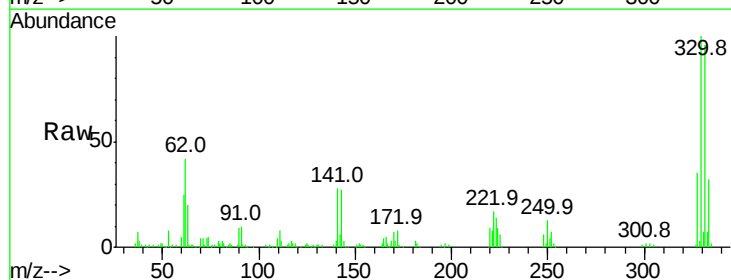
Instrument :
BNA_F
ClientSampleId :
BRICK-WALL

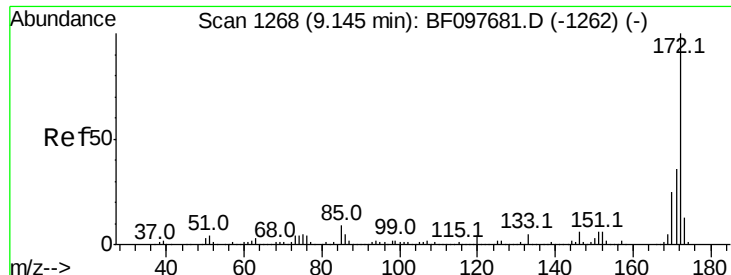
Tot Ion:164 Resp: 130900
Ion Ratio Lower Upper
164 100
162 103.3 82.6 123.8
160 48.1 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 99.975 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.02 min
Lab File: BF098373.D
Acq: 9 Sep 2017 4:09

Tgt Ion:330 Resp: 113549
Ion Ratio Lower Upper
330 100
332 97.4 76.6 115.0
141 31.5 31.4 47.2

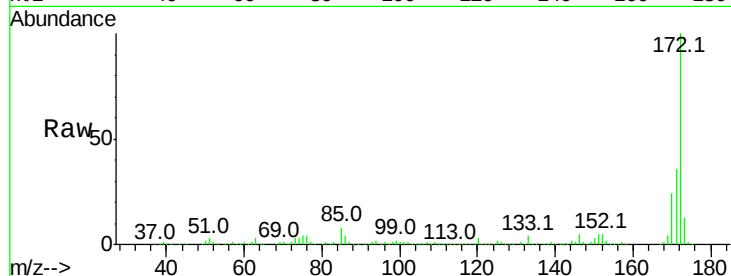




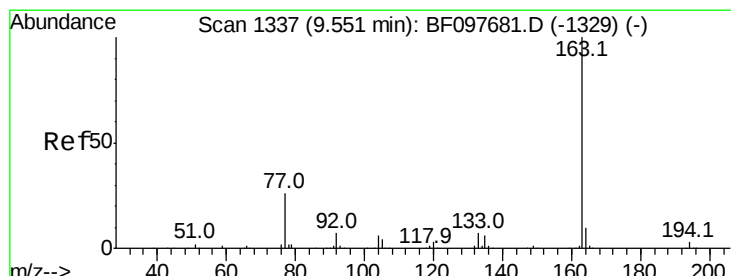
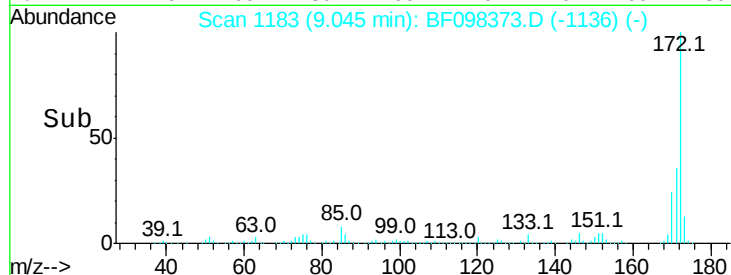
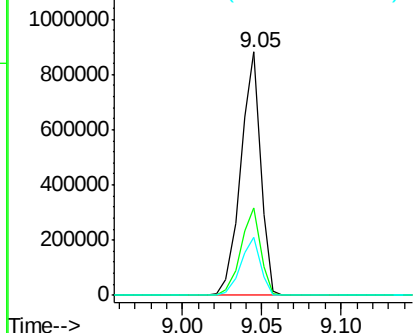
#44
2-Fluorobiphenyl
Concen: 85.971 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF098373.D
Acq: 9 Sep 2017 4:09

Instrument :
BNA_F
ClientSampleId :
BRICK-WALL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.9	19.8	29.8

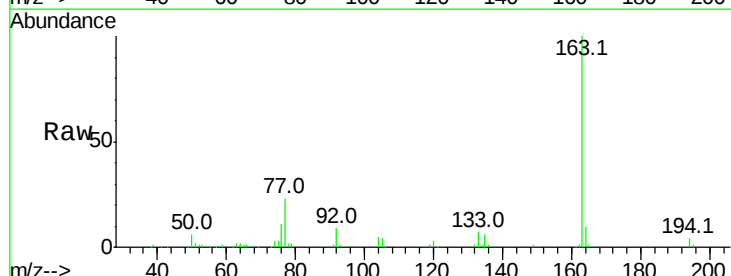


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

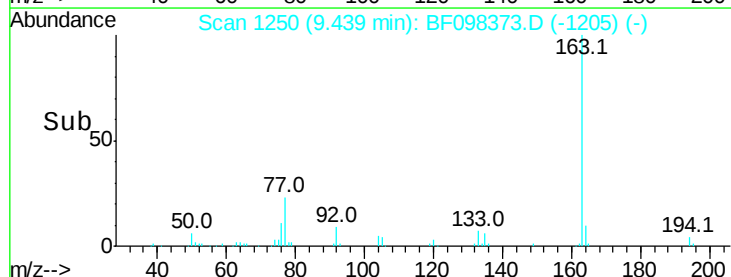
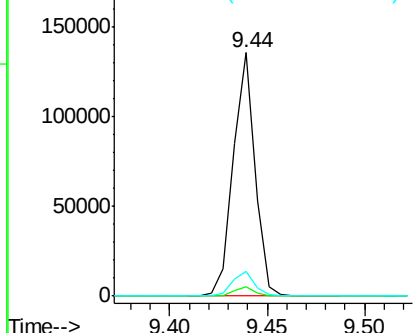


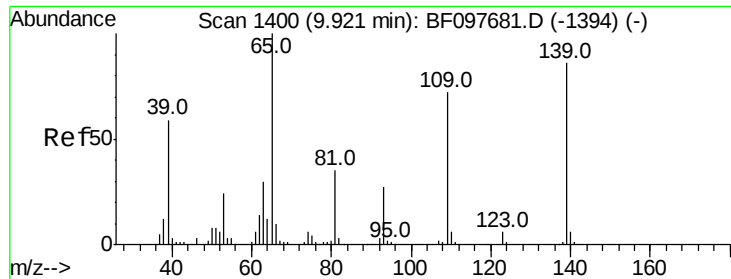
#49
Dimethylphthalate
Concen: 10.956 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF098373.D
Acq: 9 Sep 2017 4:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	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

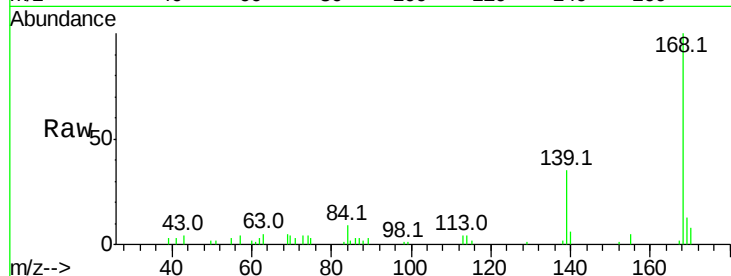




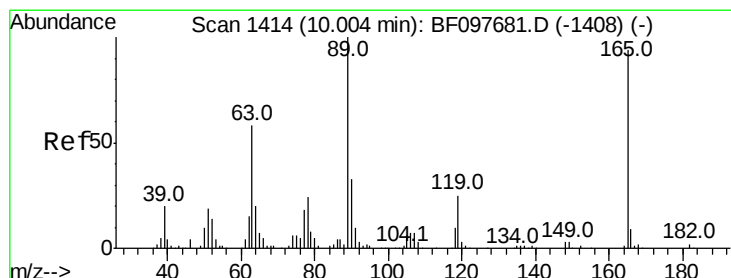
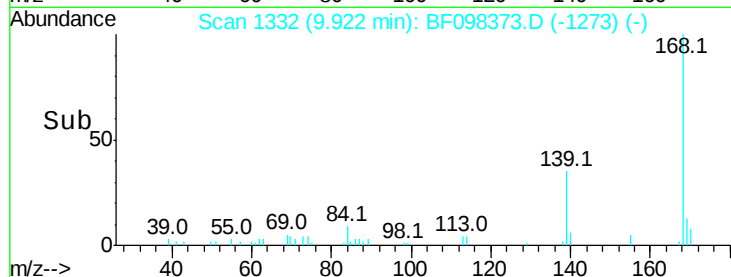
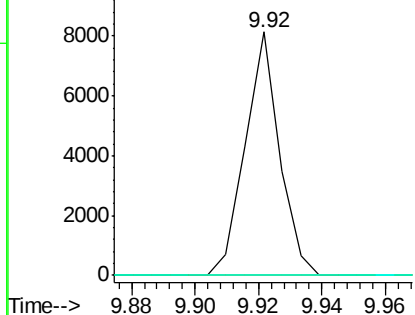
#55
4-Nitrophenol
Concen: 3.100 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.05 min
Lab File: BF098373.D
Acq: 9 Sep 2017 4:09

Instrument :
BNA_F
ClientSampleId :
BRICK-WALL

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

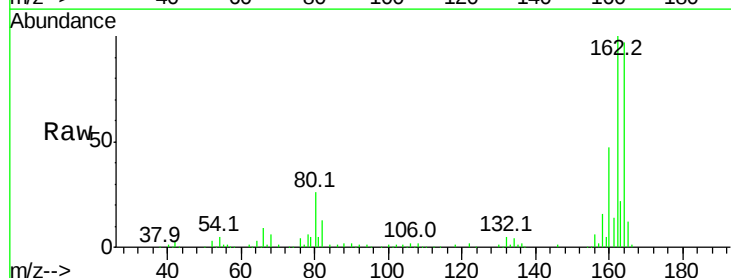


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

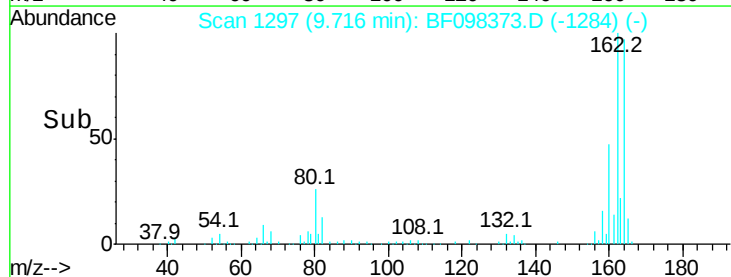
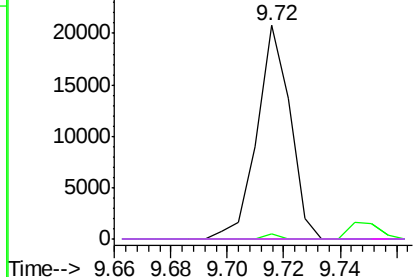


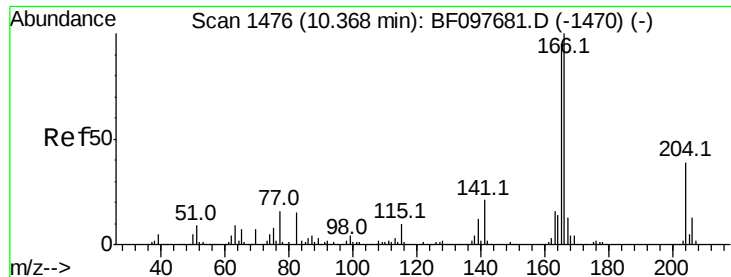
#56
2,4-Dinitrotoluene
Concen: 7.041 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.22 min
Lab File: BF098373.D
Acq: 9 Sep 2017 4:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

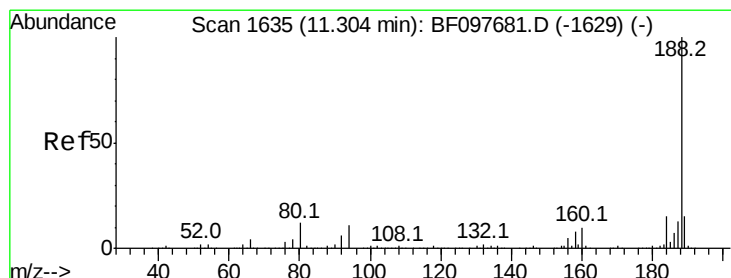
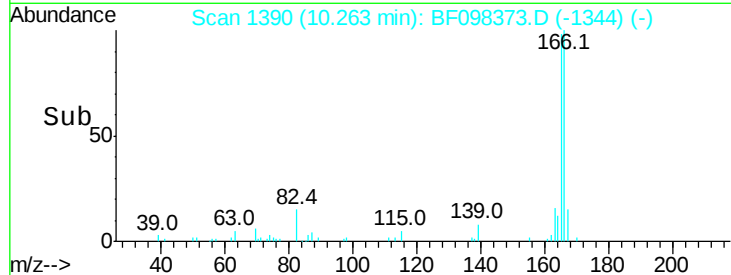
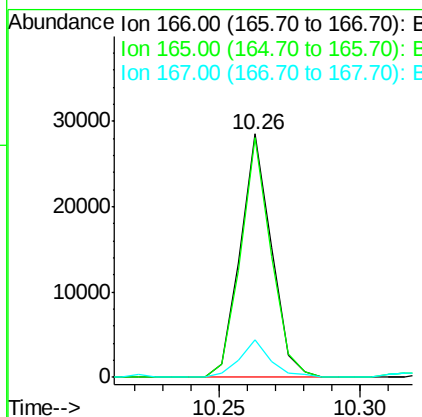
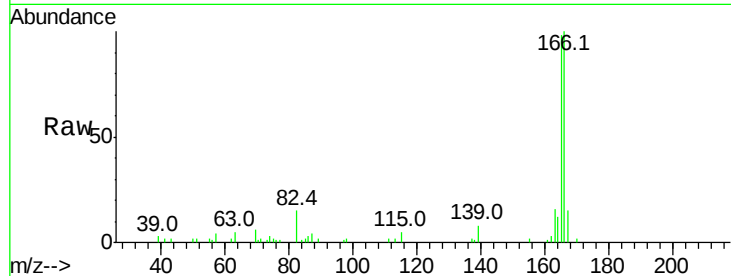




#57
Fluorene
 Concen: 2.416 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.03 min
 Lab File: BF098373.D
 Acq: 9 Sep 2017 4:09

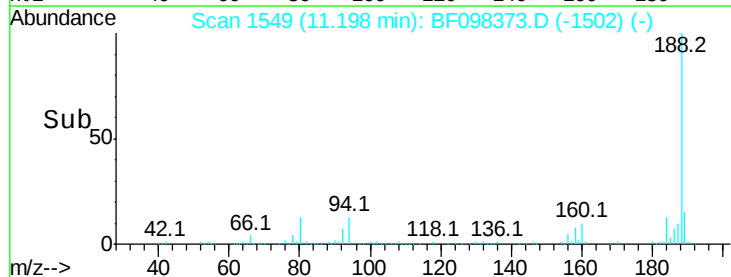
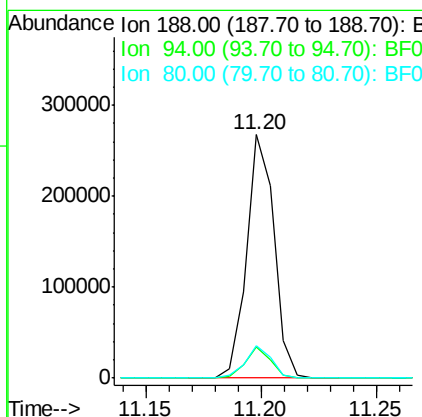
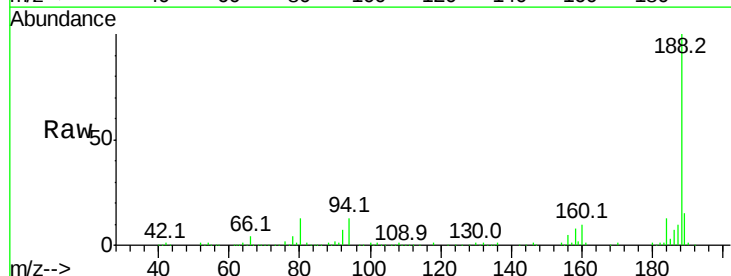
Instrument :
 BNA_F
 ClientSampleId :
 BRICK-WALL

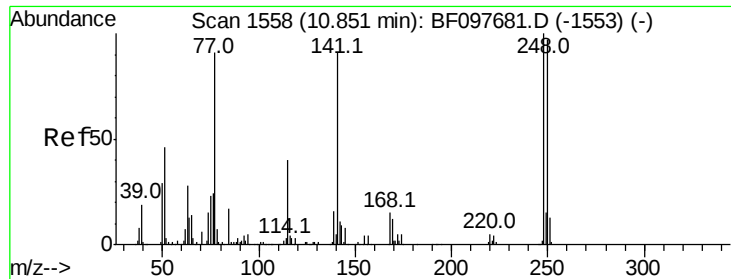
Tot Ion:166 Resp: 21867
 Ion Ratio Lower Upper
 166 100
 165 98.3 78.8 118.2
 167 15.3 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF098373.D
 Acq: 9 Sep 2017 4:09

Tgt Ion:188 Resp: 222996
 Ion Ratio Lower Upper
 188 100
 94 13.0 9.4 14.2
 80 13.2 10.2 15.2

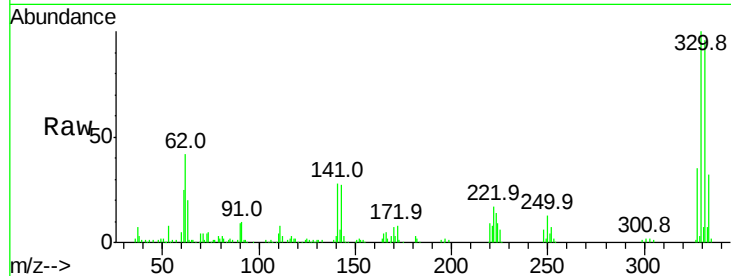




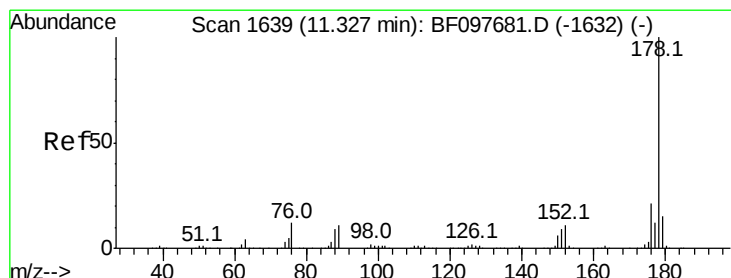
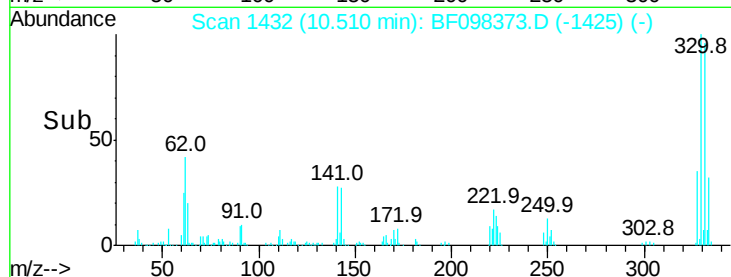
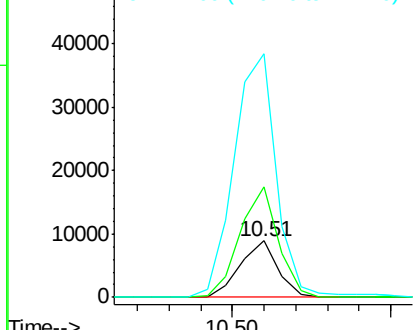
#66
4-Bromophenyl-phenylether
Concen: 3.126 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.26 min
Lab File: BF098373.D
Acq: 9 Sep 2017 4:09

Instrument :
BNA_F
ClientSampleId :
BRICK-WALL

Tot Ion:248 Resp: 7238
Ion Ratio Lower Upper
248 100
250 197.2 76.8 115.2#
141 432.5 68.6 103.0#

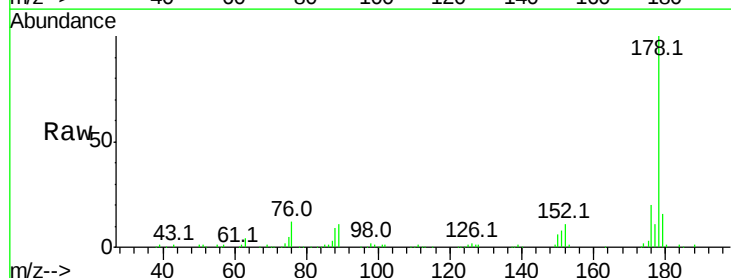


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

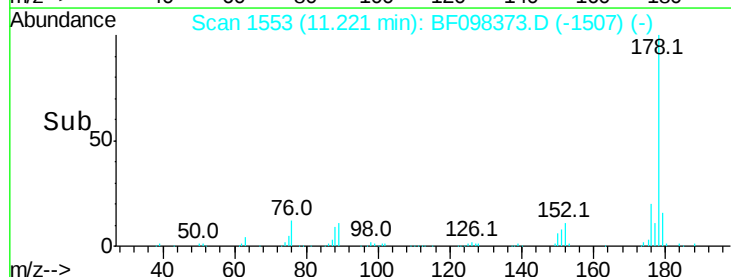
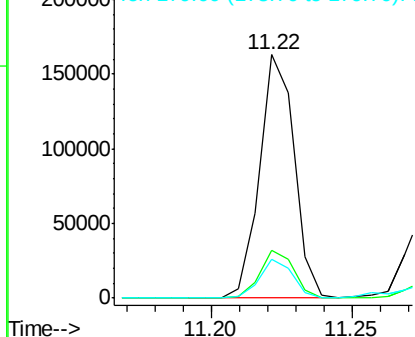


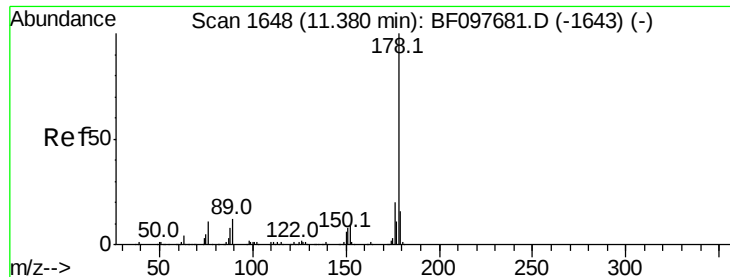
#70
Phenanthrene
Concen: 11.708 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.03 min
Lab File: BF098373.D
Acq: 9 Sep 2017 4:09

Tgt Ion:178 Resp: 139119
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 15.8 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

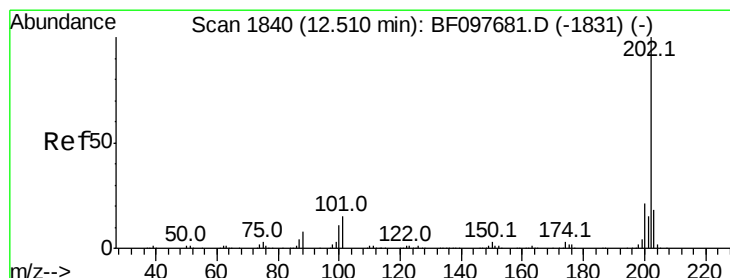
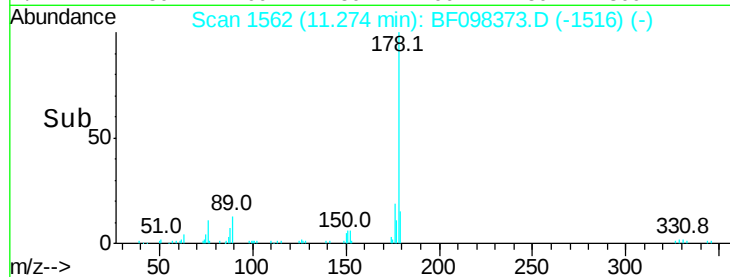
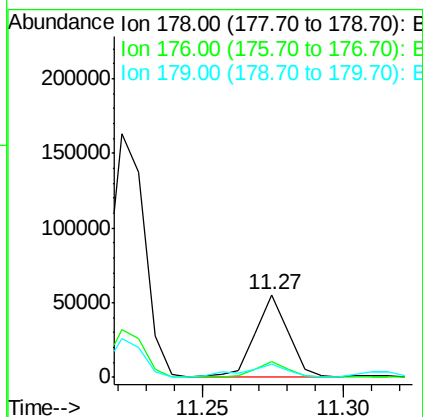
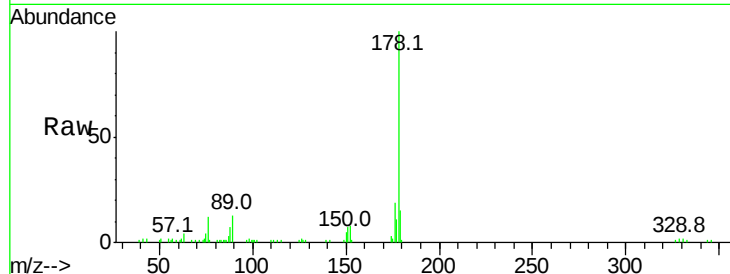




#71
 Anthracene
 Concen: 3.660 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.03 min
 Lab File: BF098373.D
 Acq: 9 Sep 2017 4:09

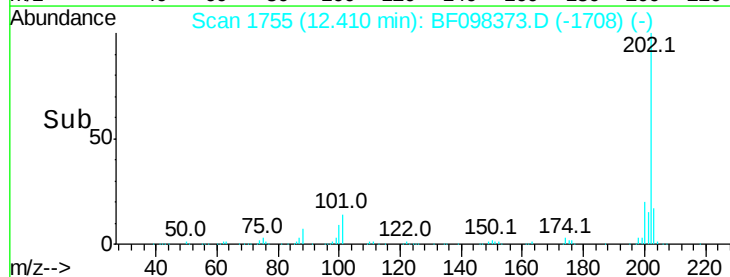
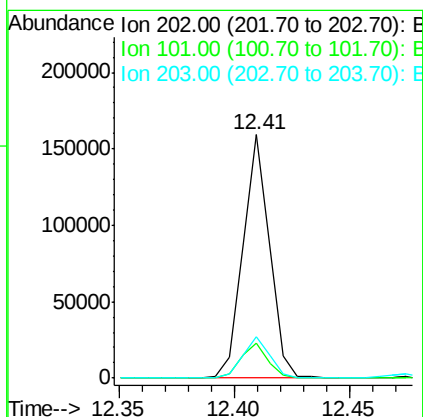
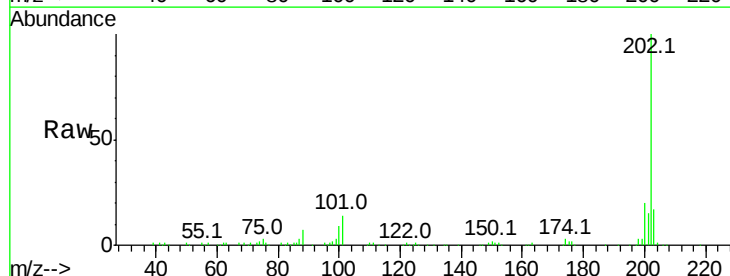
Instrument :
 BNA_F
 ClientSampleId :
 BRICK-WALL

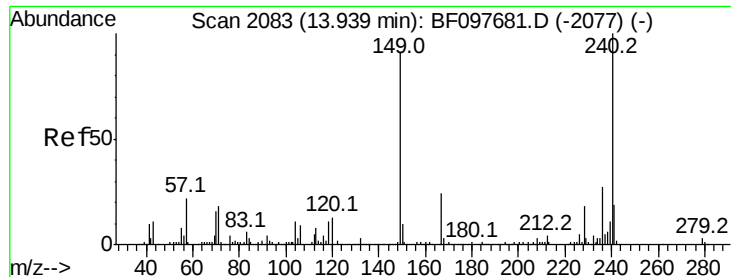
Tot Ion:178 Resp: 44116
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.4 12.7 19.1



#74
 Fluoranthene
 Concen: 10.354 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BF098373.D
 Acq: 9 Sep 2017 4:09

Tgt Ion:202 Resp: 128417
 Ion Ratio Lower Upper
 202 100
 101 14.3 0.0 33.2
 203 17.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

Instrument :

BNA_F

ClientSampleId :

BRICK-WALL

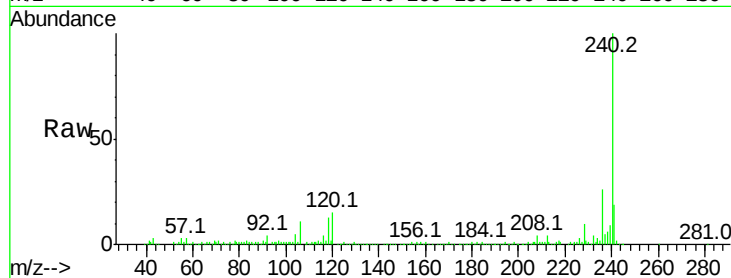
Tot Ion:240 Resp: 231990

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

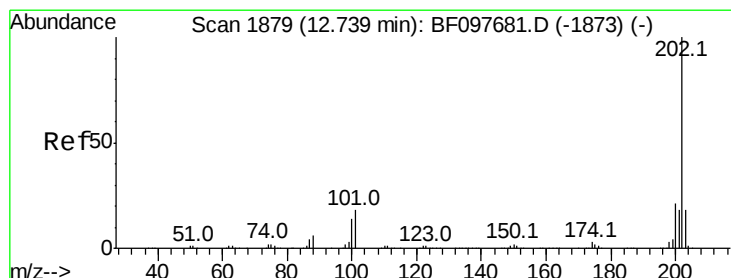
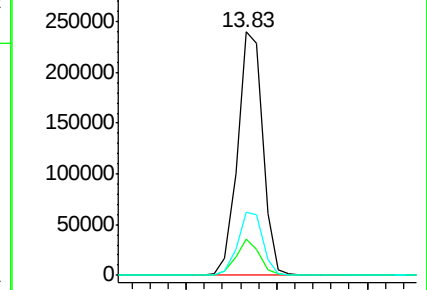
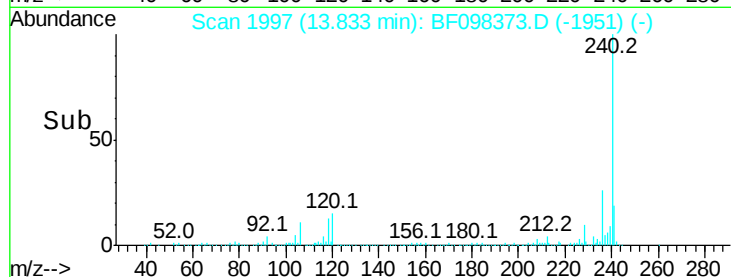
236 25.9 20.5 30.7



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: 5.744 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.02 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

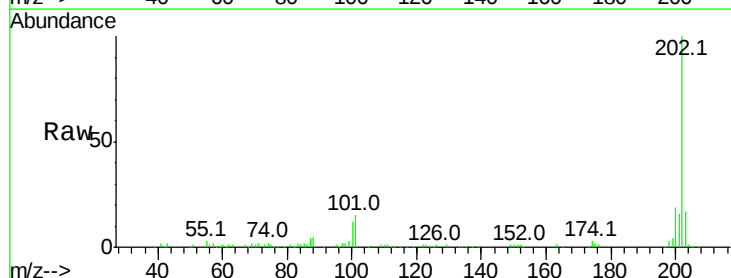
Tgt Ion:202 Resp: 108985

Ion Ratio Lower Upper

202 100

200 19.5 17.6 26.4

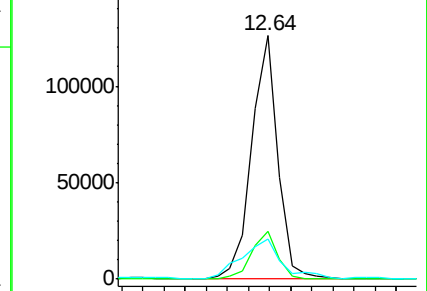
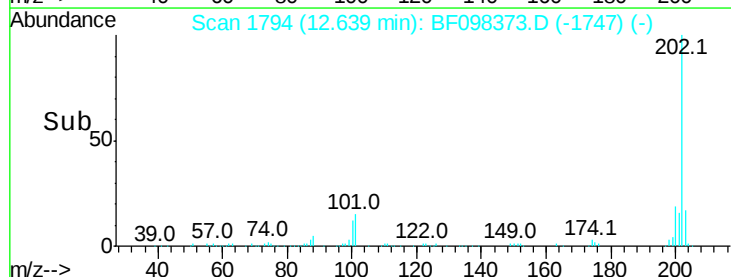
203 16.7 14.4 21.6

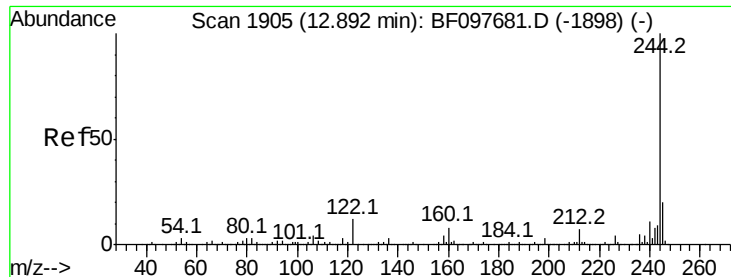


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.344 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

Instrument :

BNA_F

ClientSampleId :

BRICK-WALL

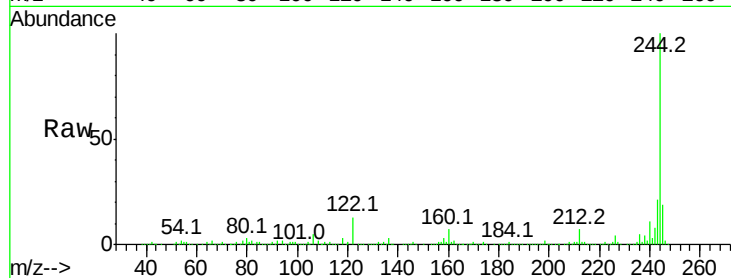
Tot Ion:244 Resp: 604571

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

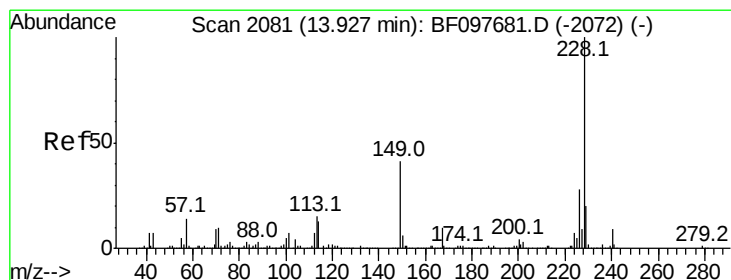
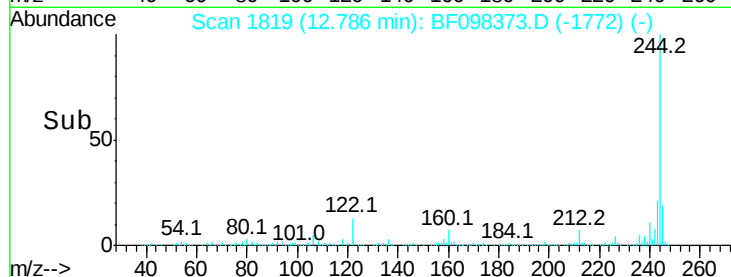
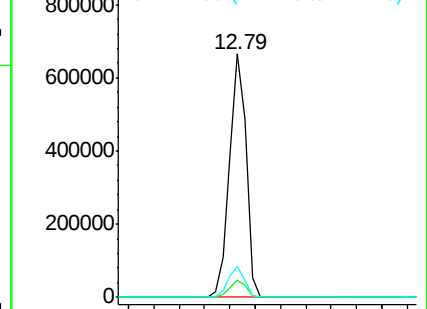
122 12.8 10.3 15.5



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: 4.128 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

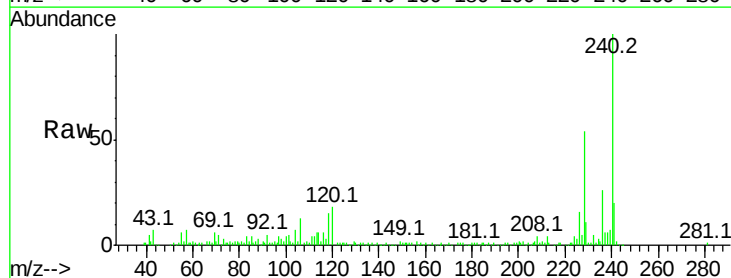
Tgt Ion:228 Resp: 57396

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

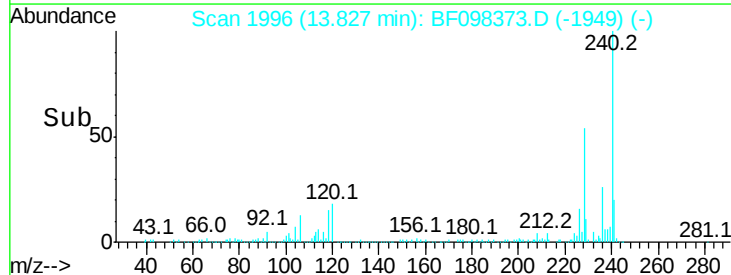
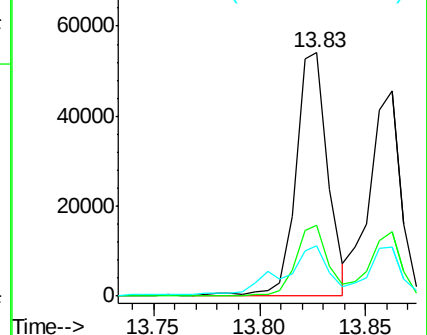
229 20.7 16.3 24.5

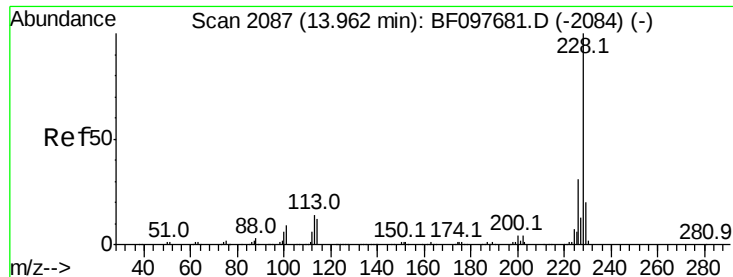


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.150 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.06 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

Instrument :

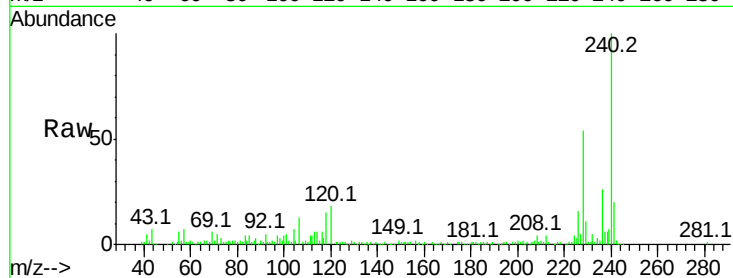
BNA_F

ClientSampleId :

BRICK-WALL

Tot Ion:228 Resp: 57396

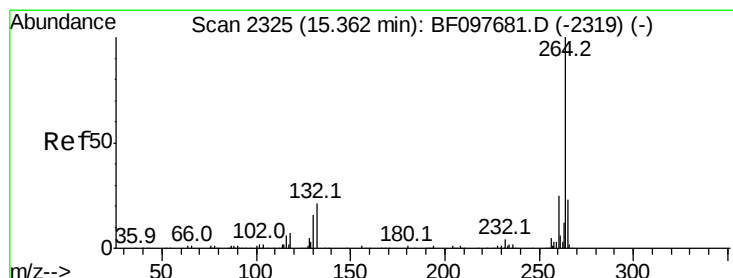
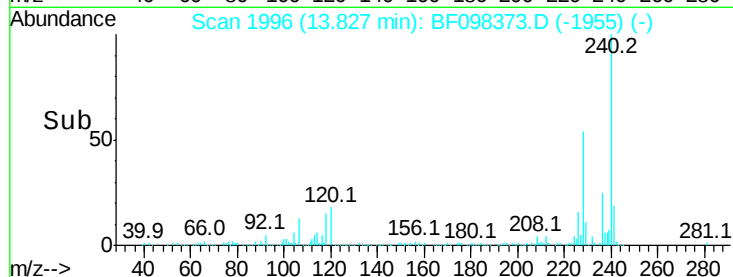
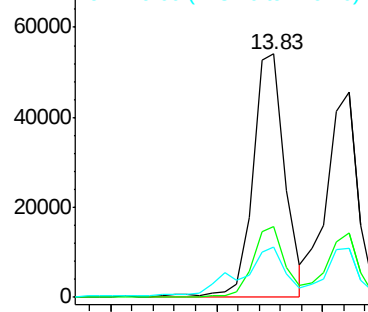
Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	20.7	15.8	23.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

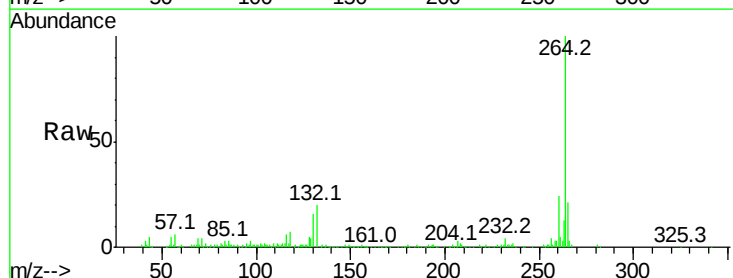
Delta R.T. -0.02 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

Tgt Ion:264 Resp: 160190

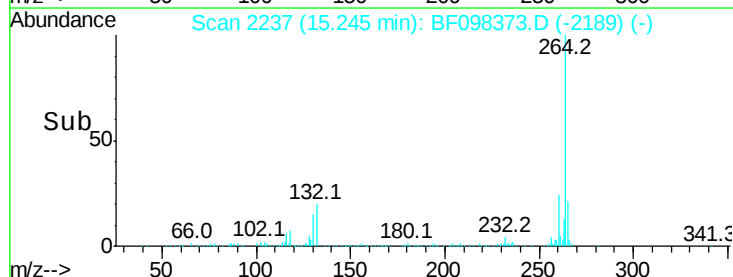
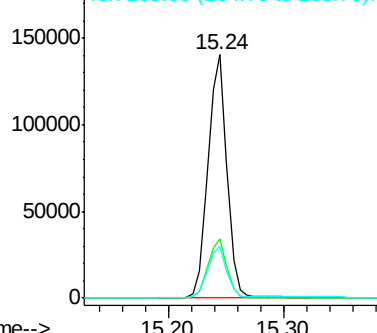
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	20.9	17.2	25.8

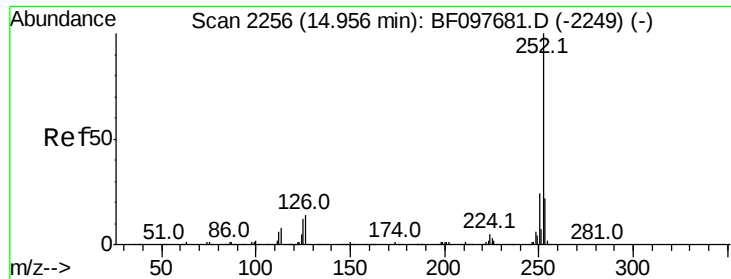


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.935 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

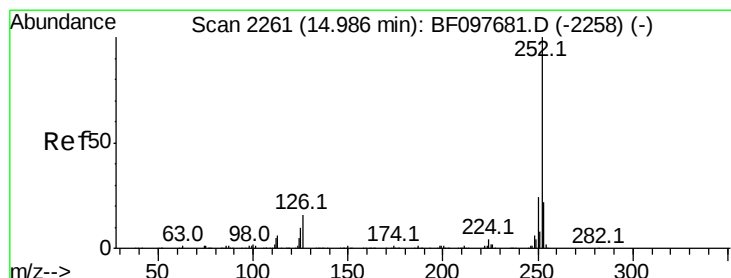
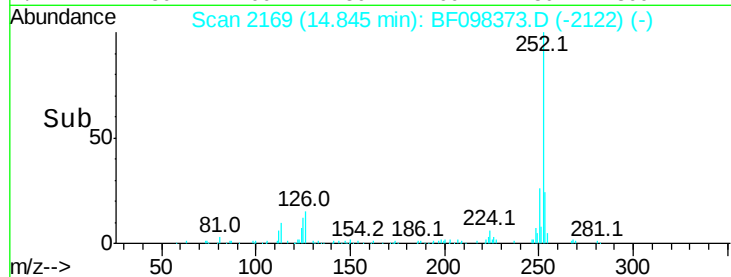
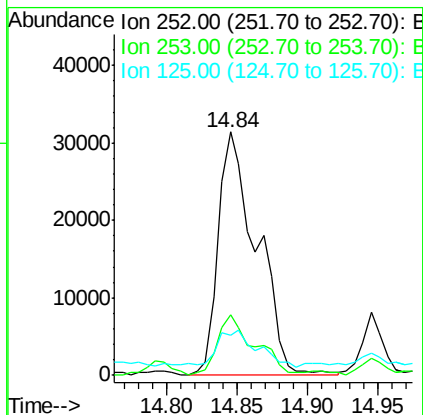
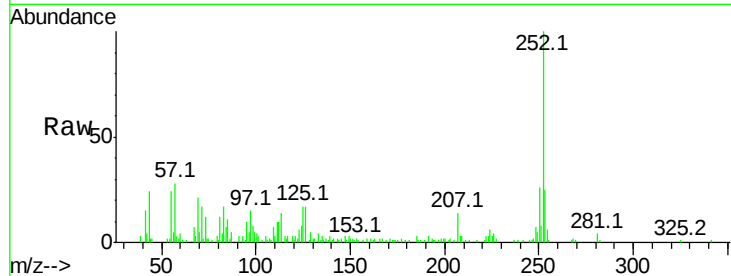
Instrument :

BNA_F

ClientSampleId :

BRICK-WALL

Tot Ion:252	Resp:	59923
Ion Ratio	Lower	Upper
252	100	
253	24.8	18.1 27.1
125	16.5	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 6.317 ng

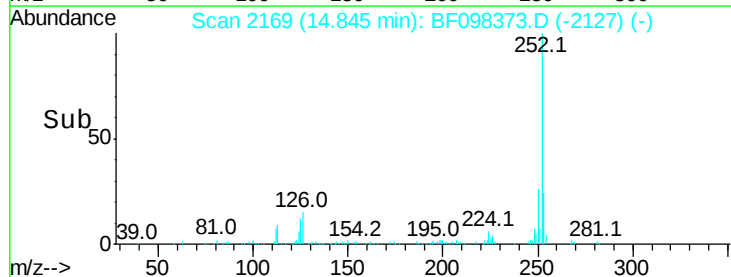
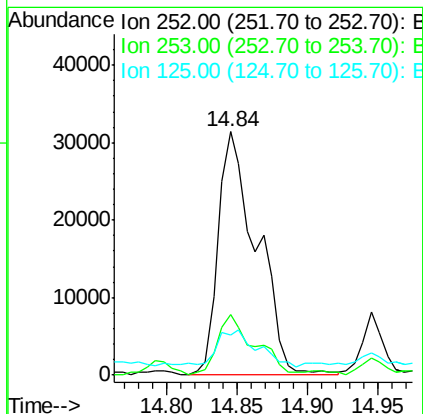
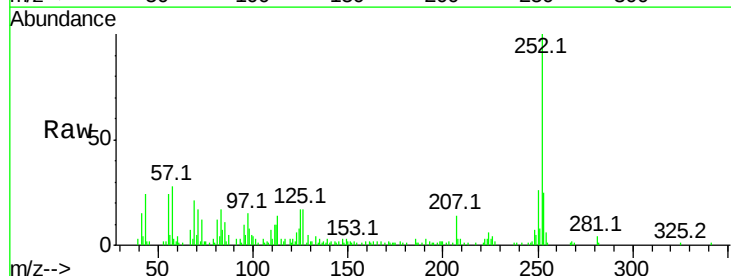
RT: 14.84 min Scan# 2169

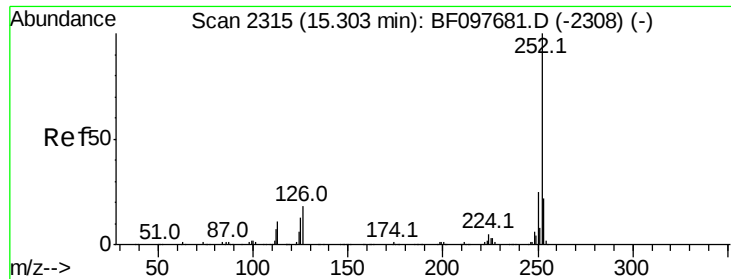
Delta R.T. -0.05 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

Tgt Ion:252	Resp:	59923
Ion Ratio	Lower	Upper
252	100	
253	24.8	18.4 27.6
125	16.5	13.1 19.7





#89

Benzo(a)pyrene

Concen: 3.469 ng

RT: 15.19 min Scan# 2227

Delta R.T. -0.02 min

Lab File: BF098373.D

Acq: 9 Sep 2017 4:09

Instrument :

BNA_F

ClientSampleId :

BRICK-WALL

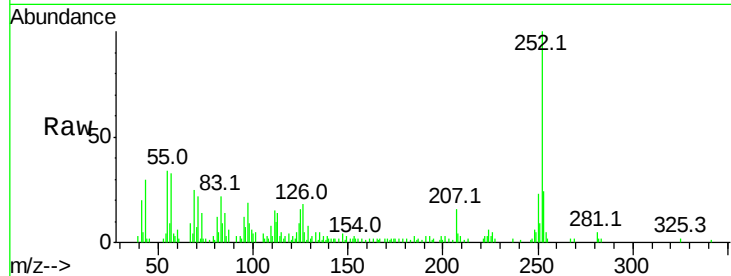
Tot Ion: 252 Resp: 31010

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 15.8 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

