

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
 Data File : BF098394.D
 Acq On : 9 Sep 2017 19:07
 Operator : SJ/JU
 Sample : I5140-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 04:14:32 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	6.67	152	109839	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	423286	20.00	ng	-0.03
38) Acenaphthene-d10	9.70	164	184026	20.00	ng	-0.04
63) Phenanthrene-d10	11.19	188	305083	20.00	ng	-0.04
75) Chrysene-d12	13.82	240	252379	20.00	ng	-0.04
86) Perylene-d12	15.23	264	223105	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	767564	106.29	ng	-0.01
7) Phenol-d6	6.33	99	1054423	107.47	ng	-0.02
23) Nitrobenzene-d5	7.25	82	619402	79.49	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	164487	103.02	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	894376	71.40	ng	-0.04
78) Terphenyl-d14	12.77	244	536147	44.30	ng	-0.04

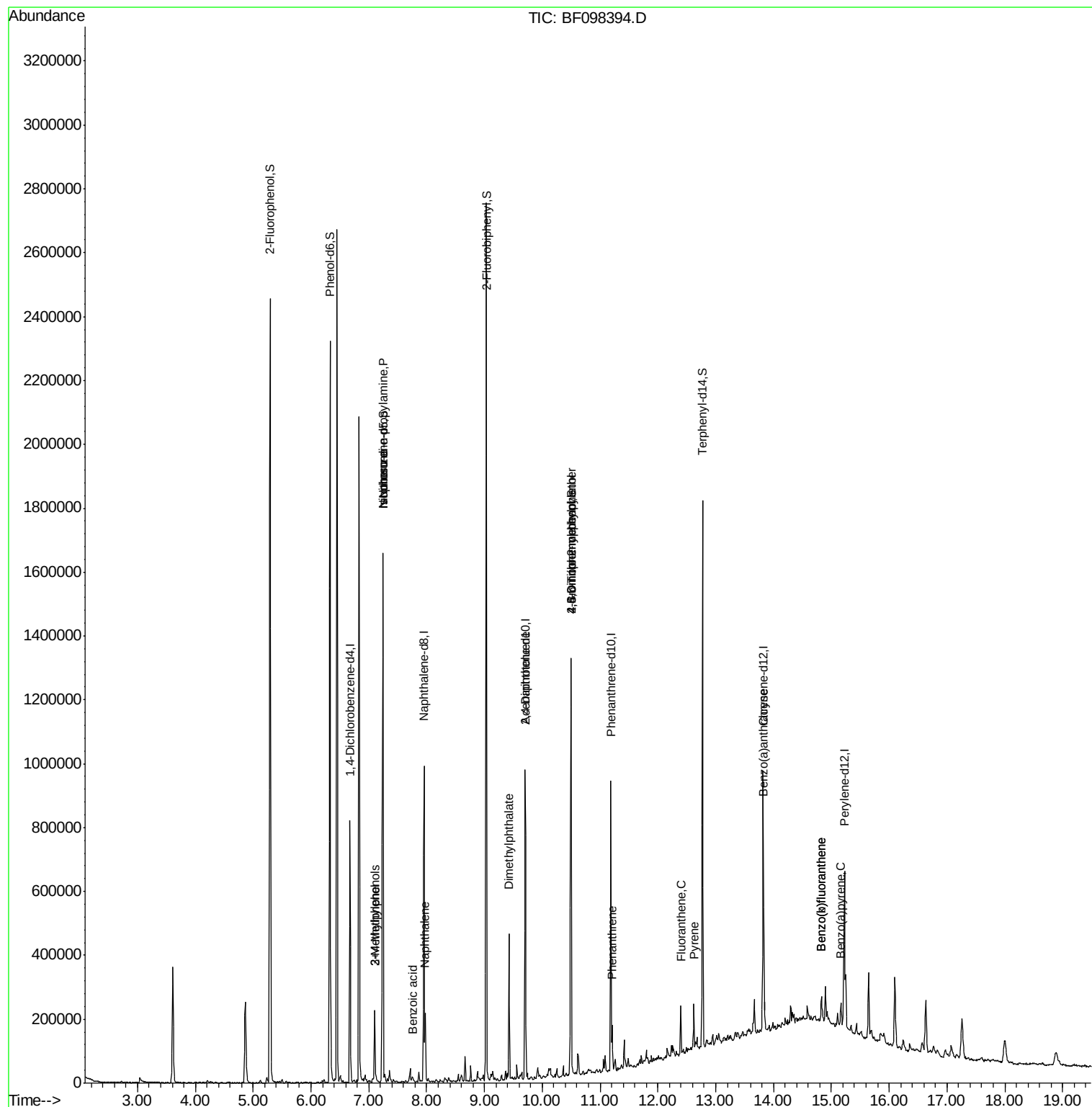
Target Compounds				Qvalue		
17) 2-Methylphenol	7.10	107	71815	10.701	ng	# 71
19) n-Nitroso-di-n-propylamine	7.25	70	82711	12.315	ng	# 69
20) 3+4-Methylphenols	7.10	107	71815	8.761	ng	# 59
25) Isophorone	7.25	82	615786	38.007	ng	# 67
31) Naphthalene	7.97	128	82462	3.753	ng	99
32) Benzoic acid	7.77	122	2038	6.763	ng	# 38
49) Dimethylphthalate	9.43	163	152261	11.319	ng	99
56) 2,4-Dinitrotoluene	9.70	165	24112	7.156	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.50	198	277	8.480	ng	# 1
66) 4-Bromophenyl-phenylether	10.50	248	10737	3.389	ng	# 1
70) Phenanthrene	11.21	178	41283	2.539	ng	99
74) Fluoranthene	12.40	202	60205	3.548	ng	99
77) Pyrene	12.62	202	57111	2.767	ng	97
80) Benzo(a)anthracene	13.81	228	31977	2.114	ng	# 91
87) Benzo(b)fluoranthene	14.83	252	47043	3.345	ng	# 87
88) Benzo(k)fluoranthene	14.83	252	47043	3.561	ng	# 92
89) Benzo(a)pyrene	15.16	252	26244	2.108	ng	# 90

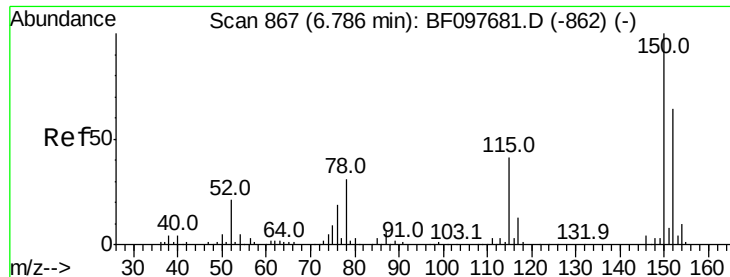
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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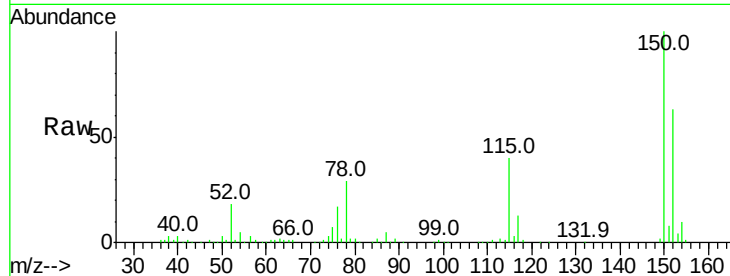


#1

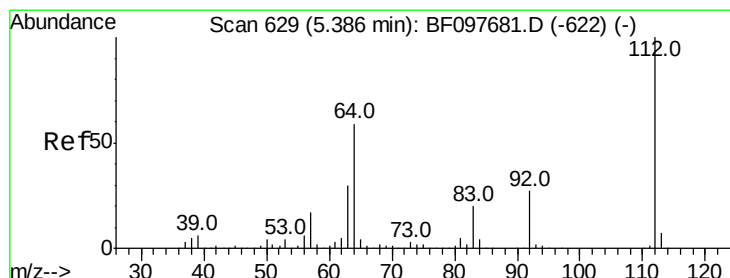
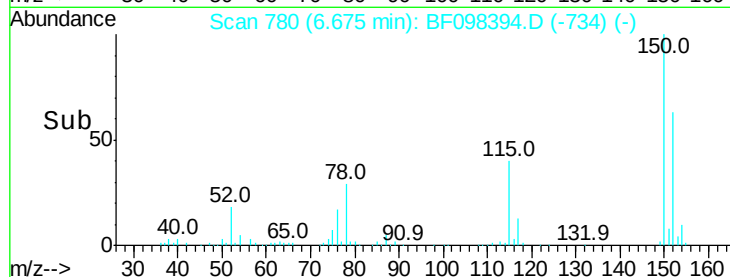
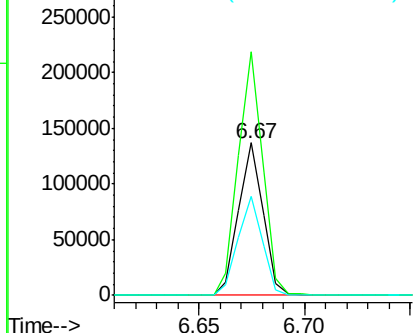
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 109839
Ion Ratio Lower Upper
152 100
150 159.5 126.2 189.2
115 64.6 52.2 78.2



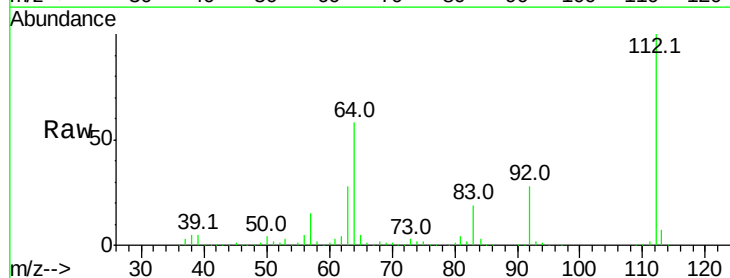
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



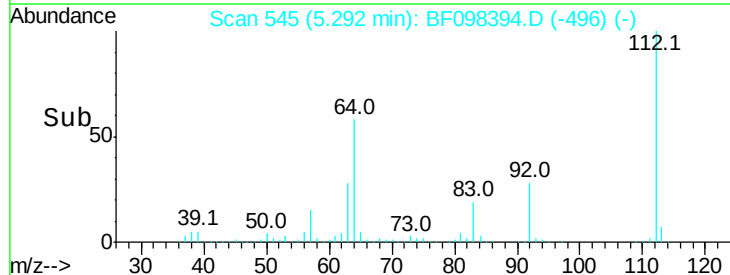
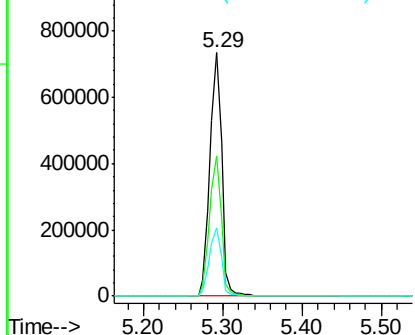
#5

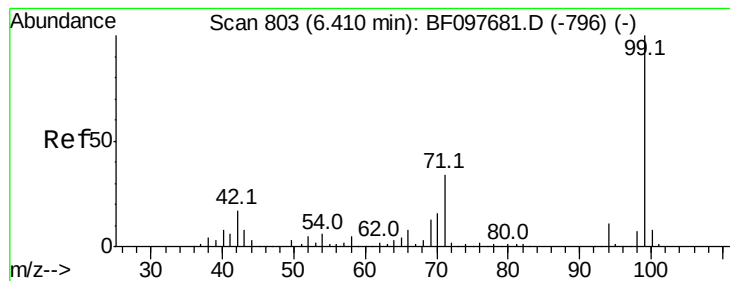
2-Fluorophenol
Concen: 106.294 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:112 Resp: 767564
Ion Ratio Lower Upper
112 100
64 57.7 46.0 69.0
63 28.3 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: 107.468 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

Instrument :

BNA_F

ClientSampleId :

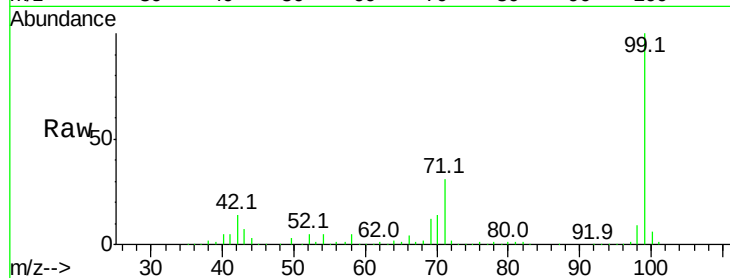
Tot Ion: 99 Resp: 1054423

Ion Ratio Lower Upper

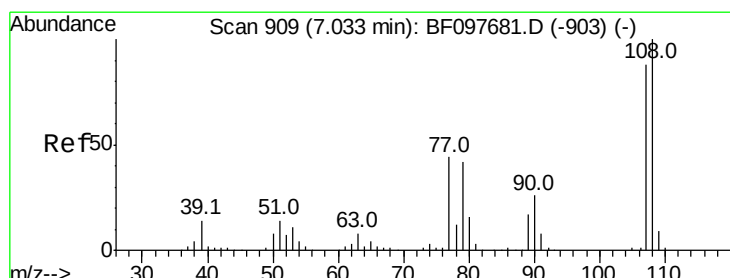
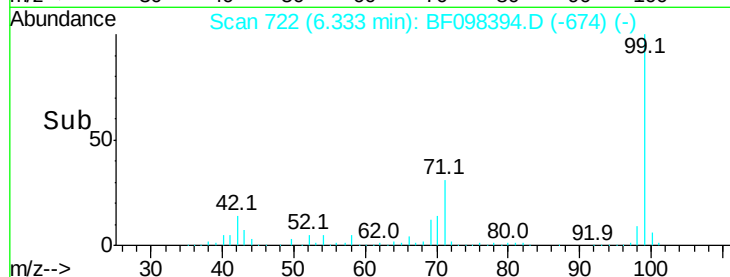
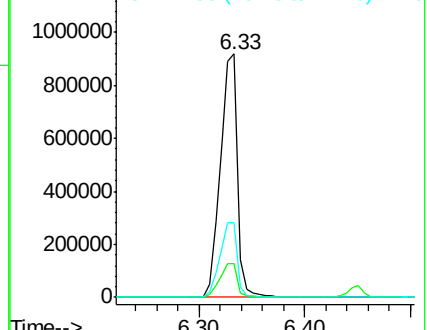
99 100

42 13.6 13.5 20.3

71 30.5 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



#17

2-Methylphenol

Concen: 10.701 ng

RT: 7.10 min Scan# 853

Delta R.T. 0.14 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

Tgt Ion:107 Resp: 71815

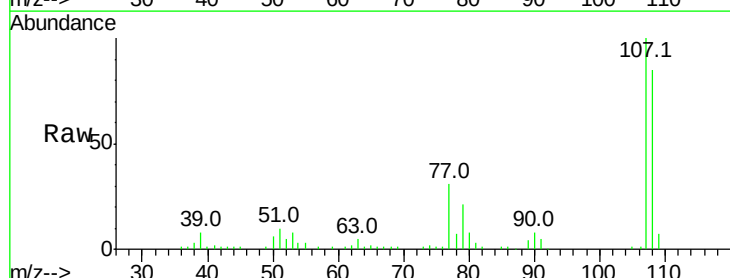
Ion Ratio Lower Upper

107 100

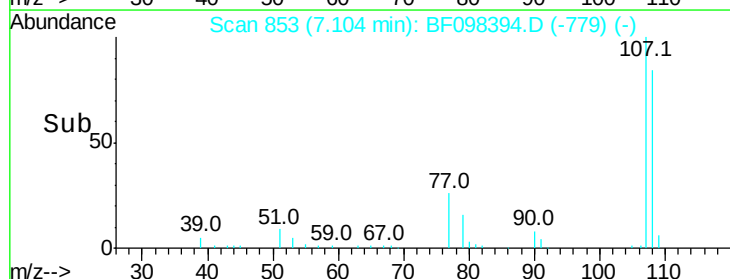
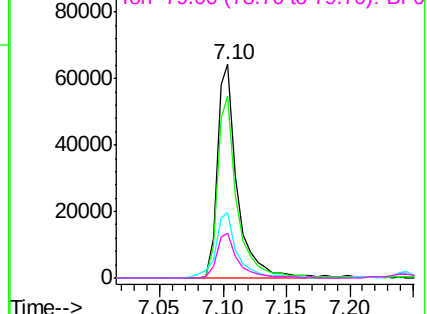
108 84.8 93.4 140.0#

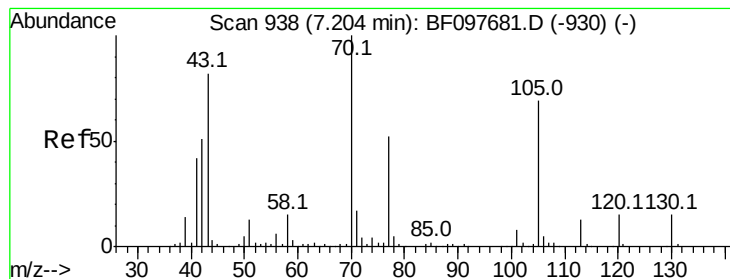
77 30.7 35.8 53.6#

79 20.8 34.8 52.2#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 12.315 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.12 min

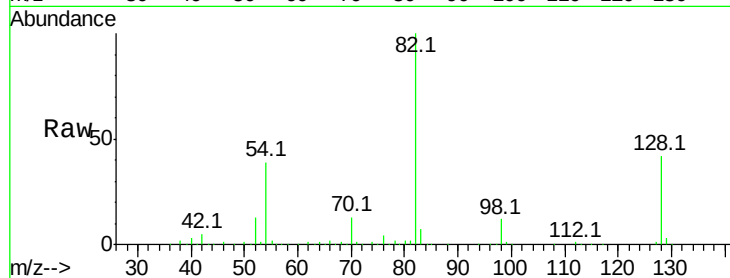
Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

Instrument :

BNA_F

ClientSampleId :



Tot Ion: 70 Resp: 82711

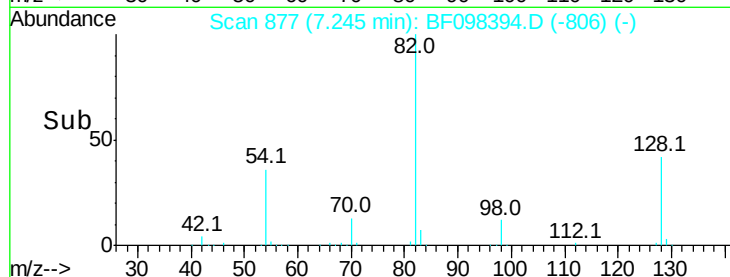
Ion Ratio Lower Upper

70 100

42 37.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#



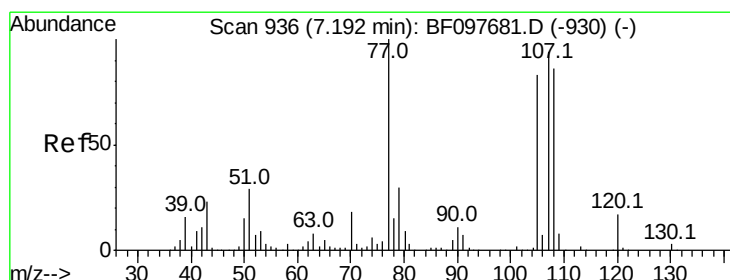
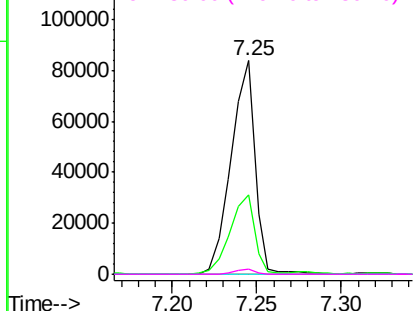
Abundance

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): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 8.761 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

Tgt Ion:107 Resp: 71815

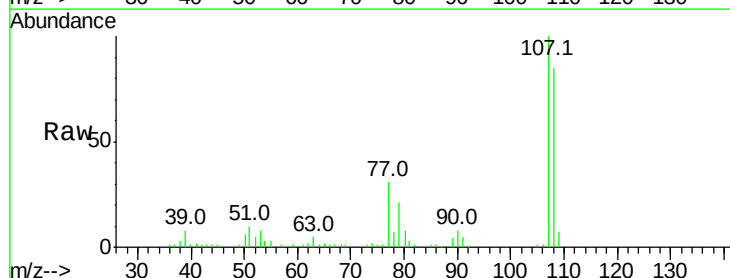
Ion Ratio Lower Upper

107 100

108 84.8 71.0 111.0

77 30.7 90.5 130.5#

79 20.8 8.4 48.4



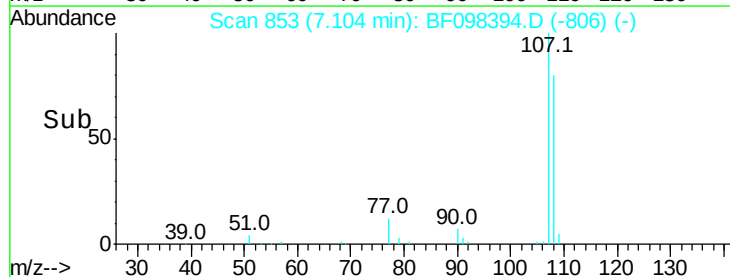
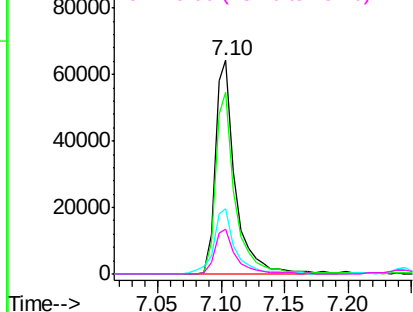
Abundance

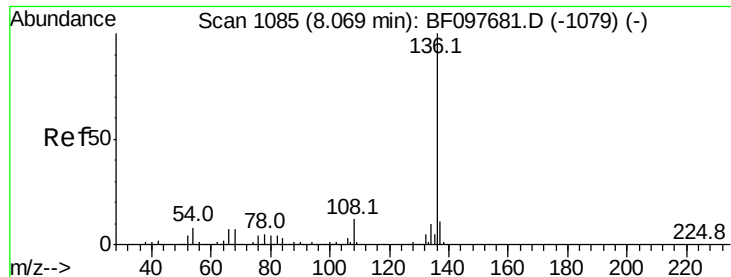
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

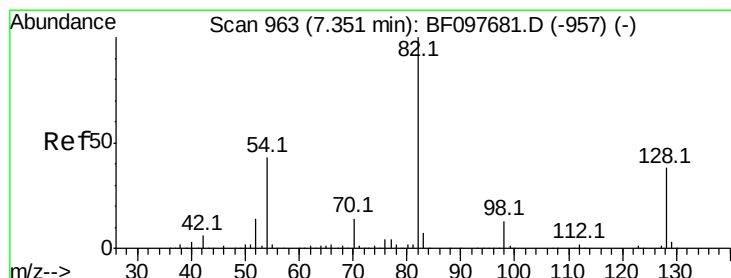
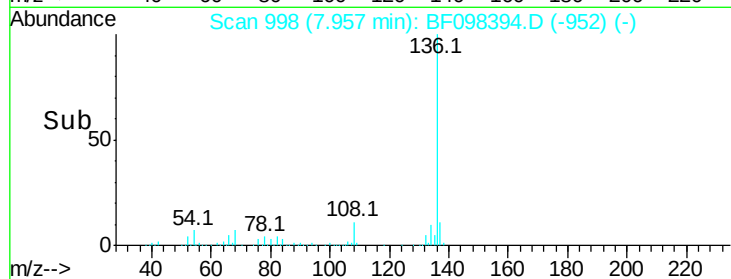
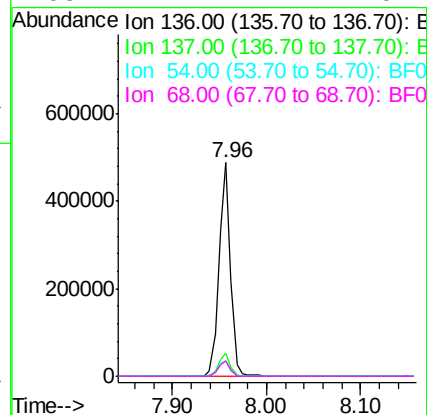
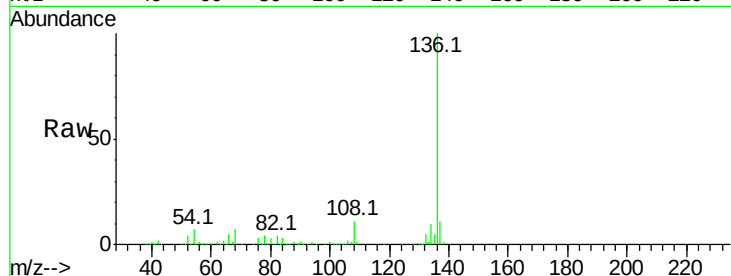




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.03 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

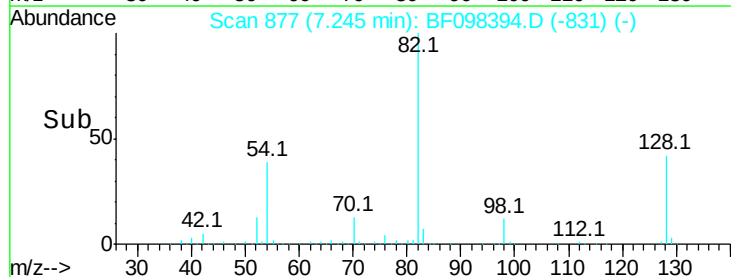
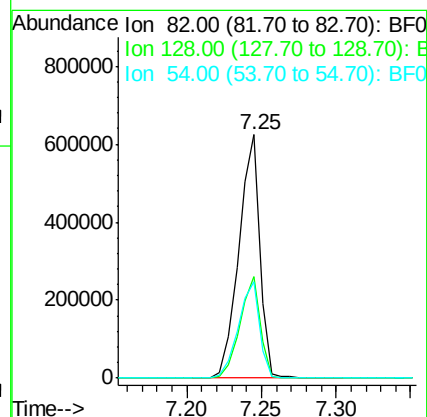
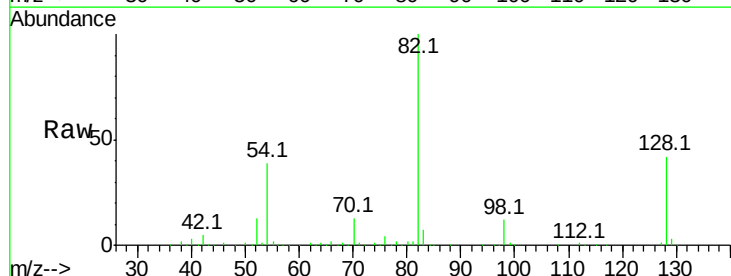
Instrument :
BNA_F
ClientSampleId :

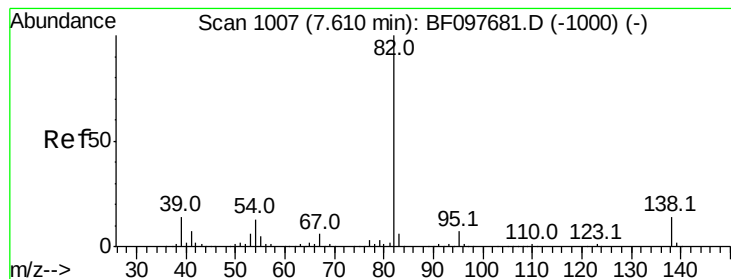
Tot Ion:	136	Resp:	423286
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.0	4.9	7.3
68	7.2	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 79.494 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.03 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:	82	Resp:	619402
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.0	51.0
54	39.4	42.2	63.2#





#25

Isophorone

Concen: 38.007 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.29 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

Instrument :

BNA_F

ClientSampleId :

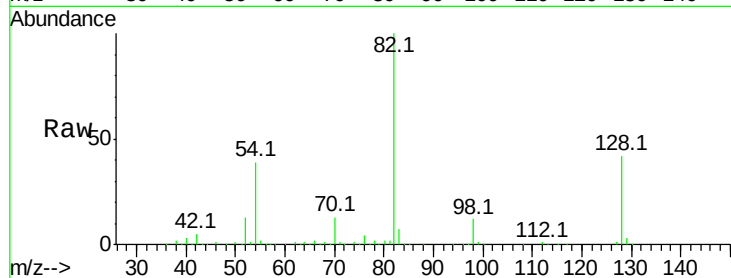
Tot Ion: 82 Resp: 615786

Ion Ratio Lower Upper

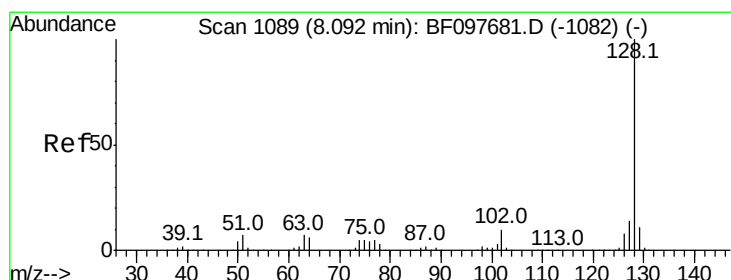
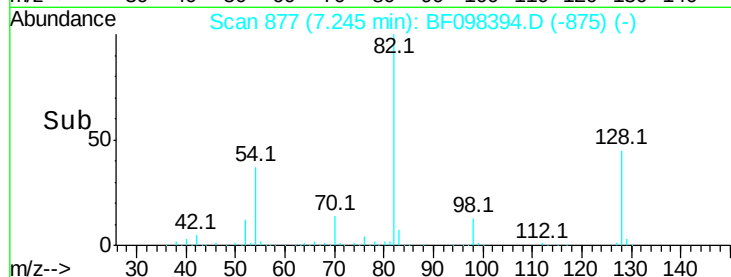
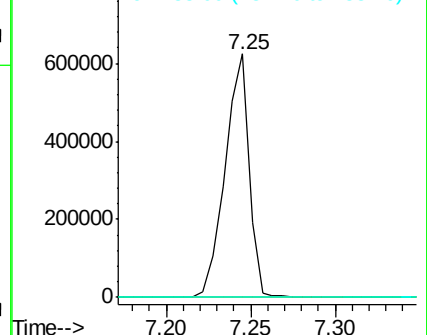
82 100

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



#31

Naphthalene

Concen: 3.753 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.04 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

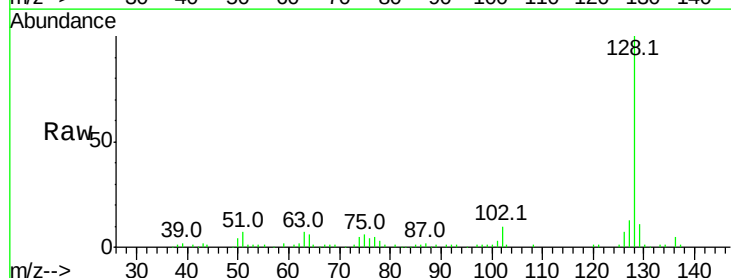
Tgt Ion: 128 Resp: 82462

Ion Ratio Lower Upper

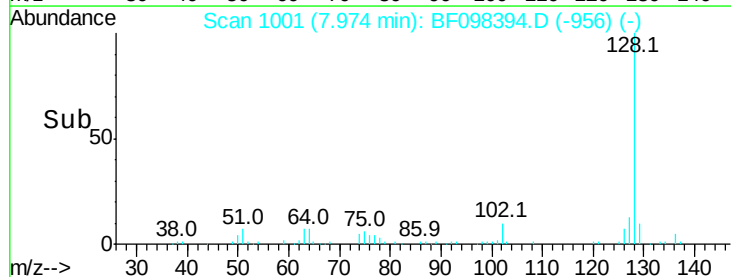
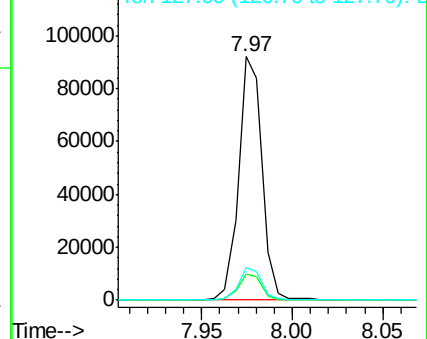
128 100

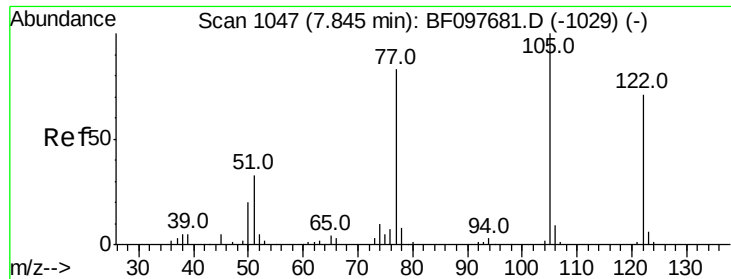
129 10.8 9.0 13.6

127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

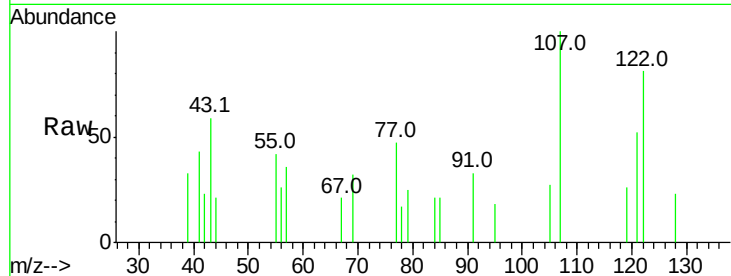




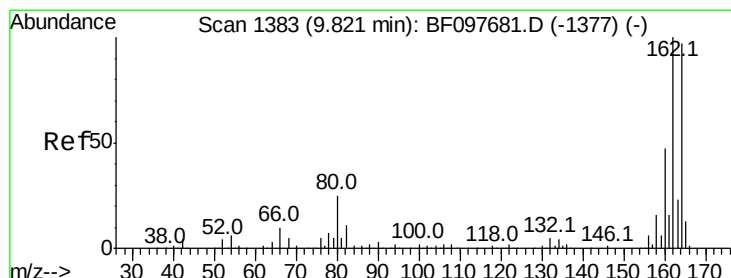
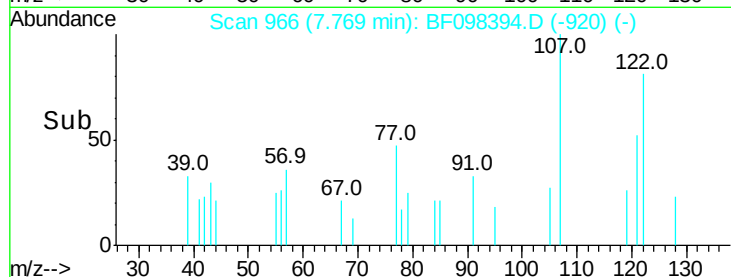
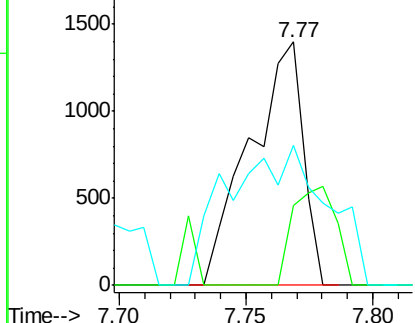
#32
Benzoic acid
Concen: 6.763 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.03 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 2038
Ion Ratio Lower Upper
122 100
105 32.9 103.3 143.3#
77 57.5 73.7 113.7#

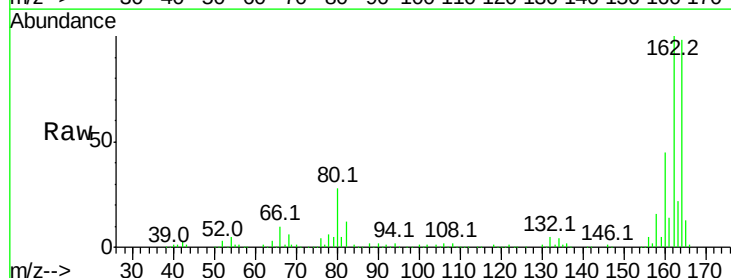


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

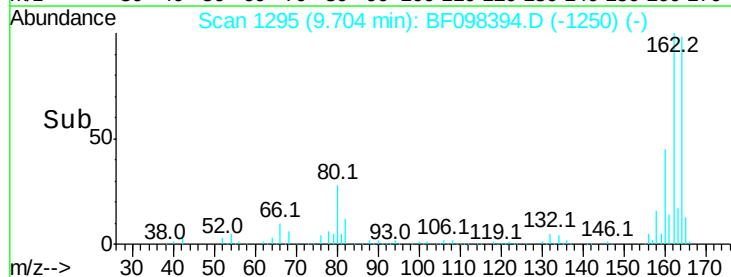
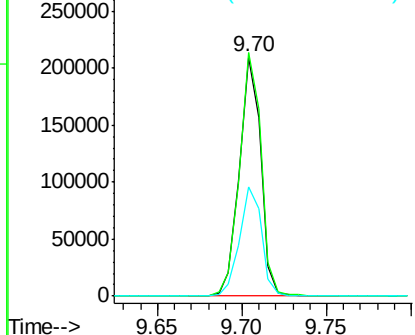


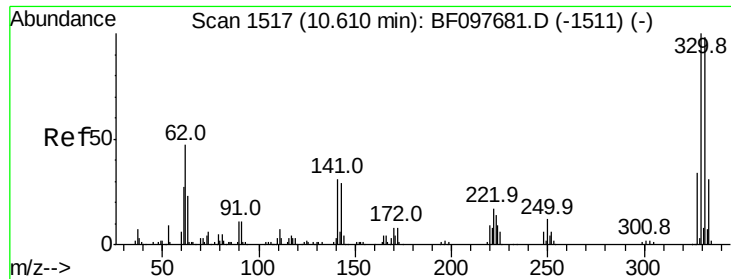
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:164 Resp: 184026
Ion Ratio Lower Upper
164 100
162 102.0 82.6 123.8
160 45.8 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

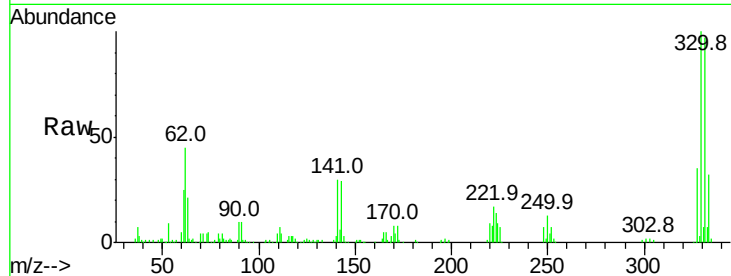




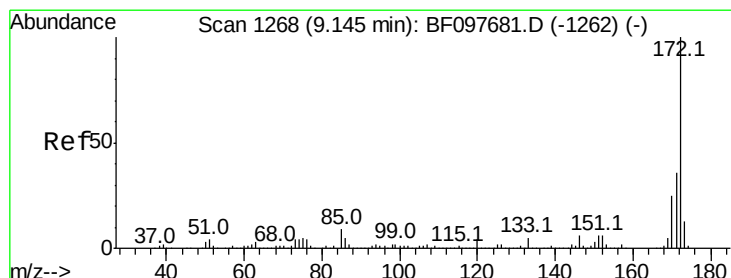
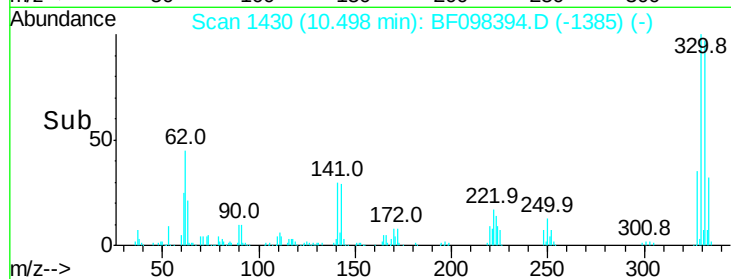
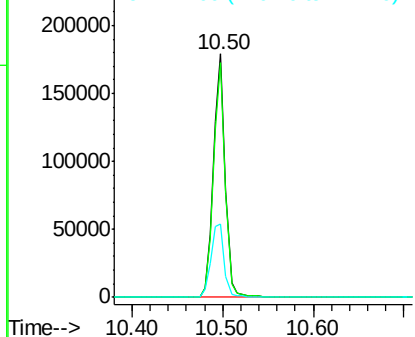
#41
 2,4,6-Tribromophenol
 Concen: 103.015 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.04 min
 Lab File: BF098394.D
 Acq: 9 Sep 2017 19:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	34.4	31.4	47.2

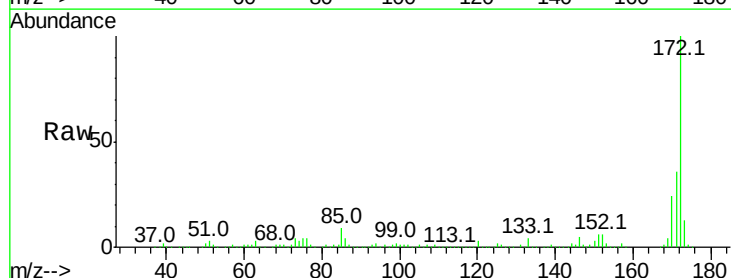


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

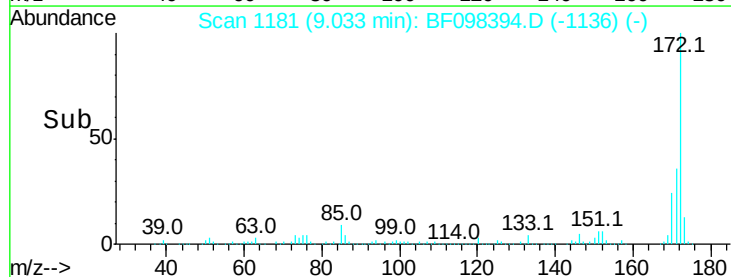
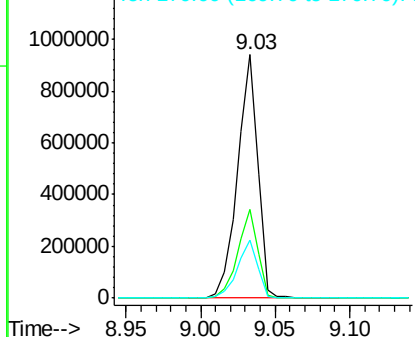


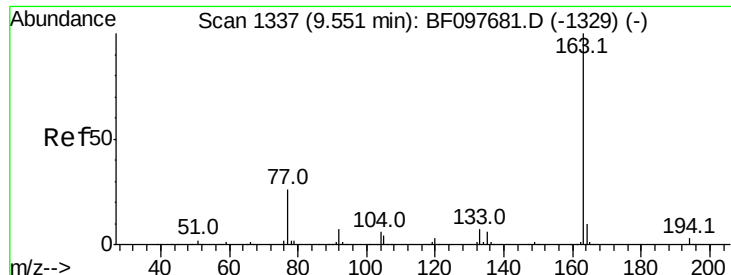
#44
 2-Fluorobiphenyl
 Concen: 71.404 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.04 min
 Lab File: BF098394.D
 Acq: 9 Sep 2017 19:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	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: 11.319 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.05 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

Instrument :

BNA_F

ClientSampled :

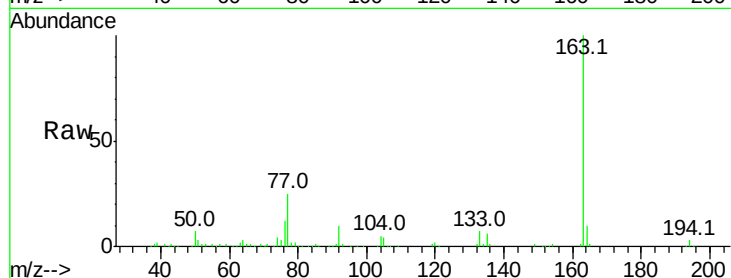
Tot Ion:163 Resp: 152261

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

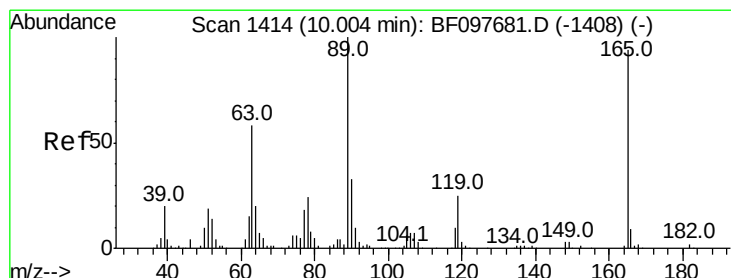
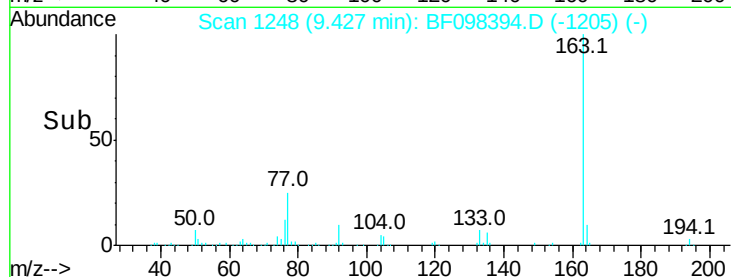
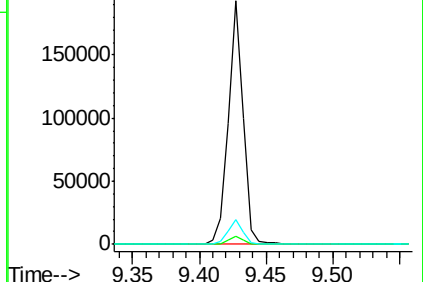
164 10.3 8.4 12.6



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: 7.156 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.24 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

Tgt Ion:165 Resp: 24112

Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.8 46.4 69.6#

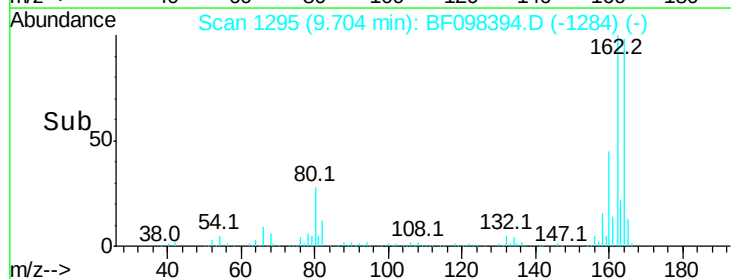
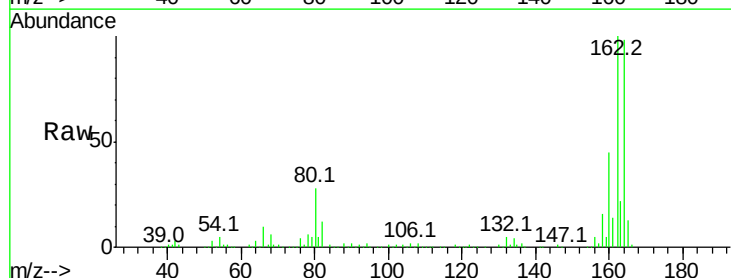
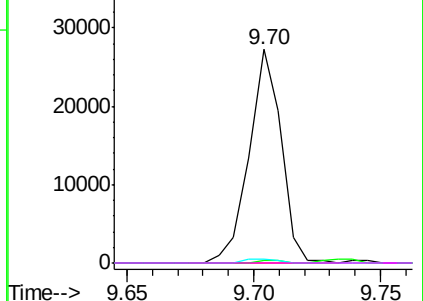
182 0.0 1.8 2.6#

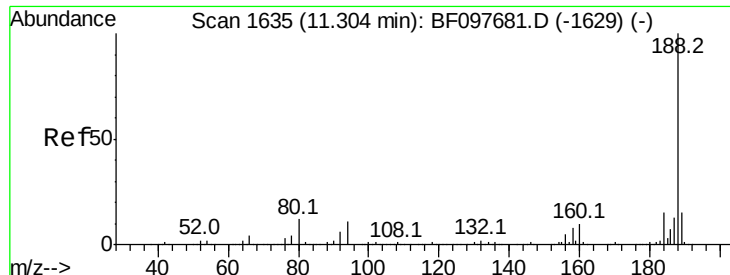
Abundance Ion 165.00 (164.70 to 165.70): E

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

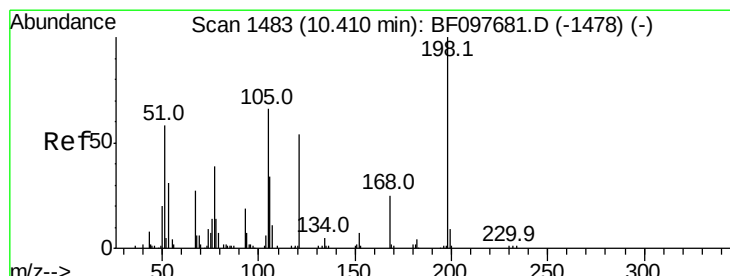
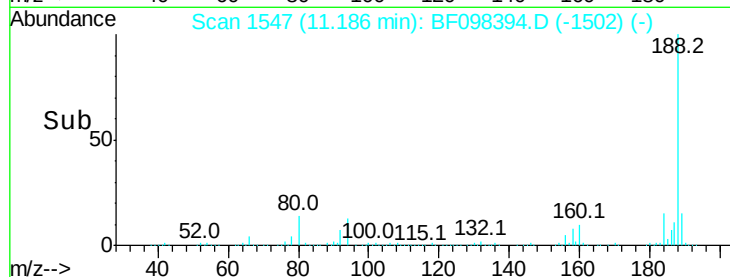
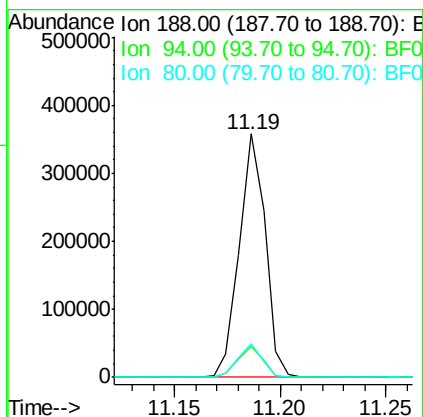
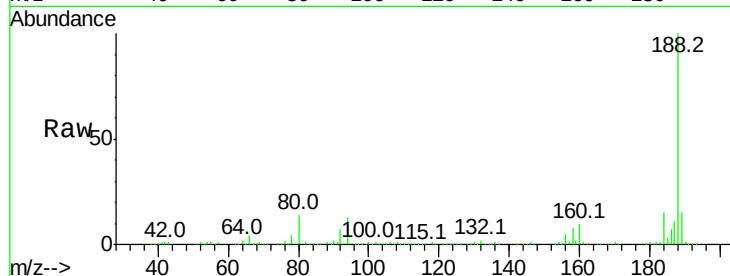




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.04 min
 Lab File: BF098394.D
 Acq: 9 Sep 2017 19:07

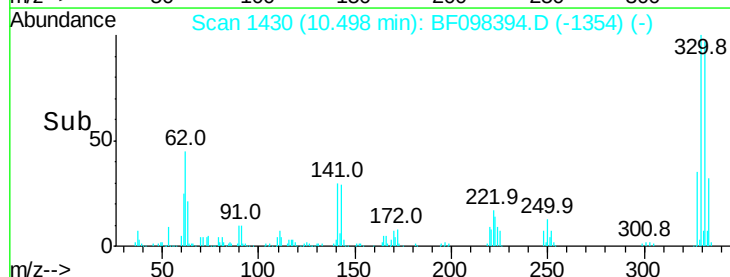
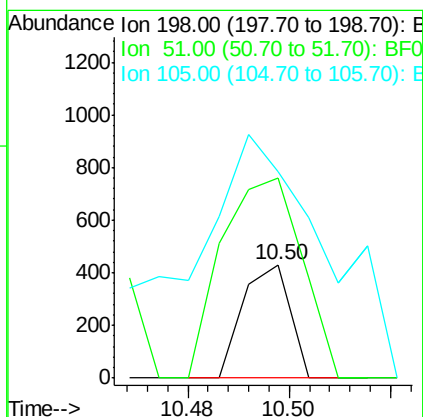
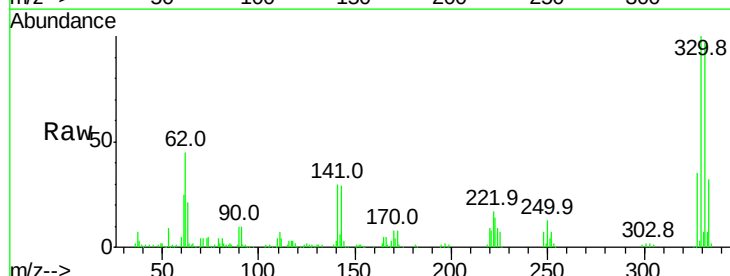
Instrument :
 BNA_F
 ClientSampled :

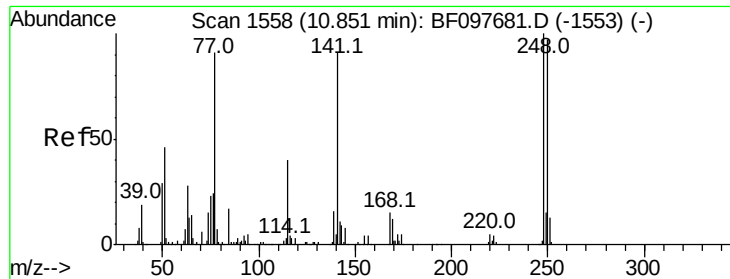
Tot Ion:188 Resp: 305083
 Ion Ratio Lower Upper
 188 100
 94 12.8 9.4 14.2
 80 13.9 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.480 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. 0.15 min
 Lab File: BF098394.D
 Acq: 9 Sep 2017 19:07

Tgt Ion:198 Resp: 277
 Ion Ratio Lower Upper
 198 100
 51 175.9 53.2 93.2#
 105 182.1 45.8 85.8#

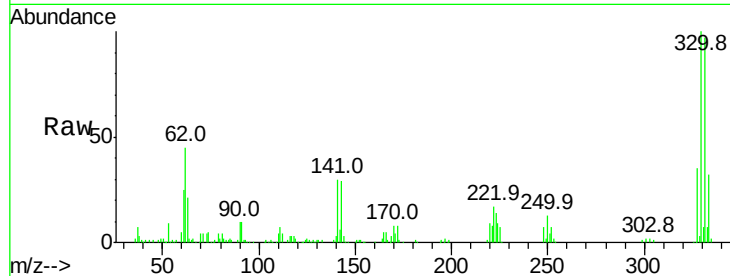




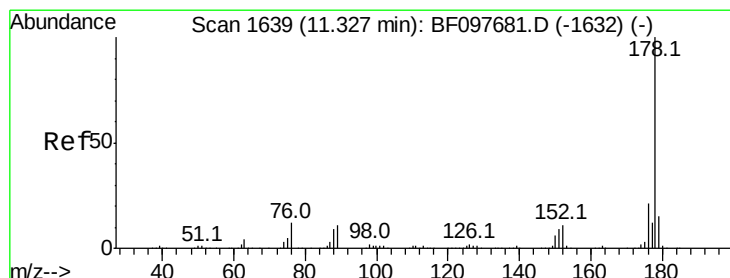
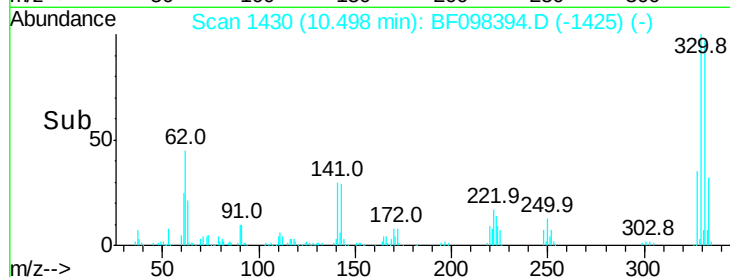
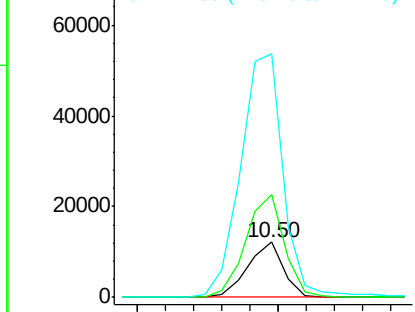
#66
4-Bromophenyl-phenylether
Concen: 3.389 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.27 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10737
Ion Ratio Lower Upper
248 100
250 186.0 76.8 115.2#
141 439.5 68.6 103.0#

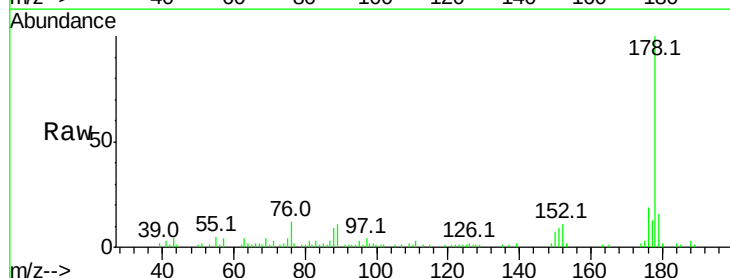


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

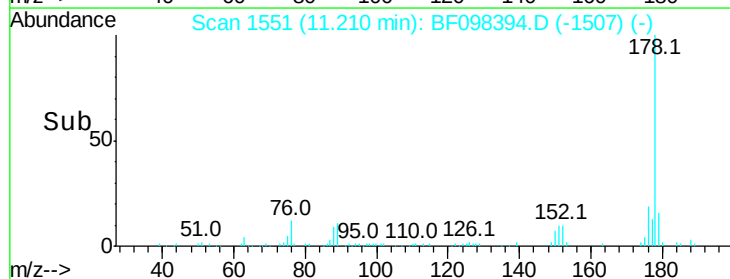
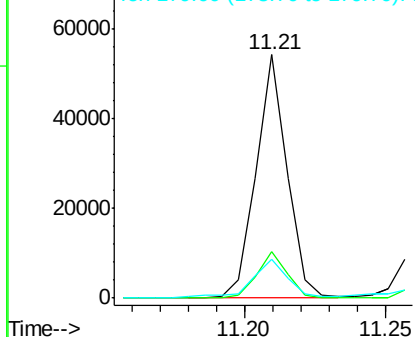


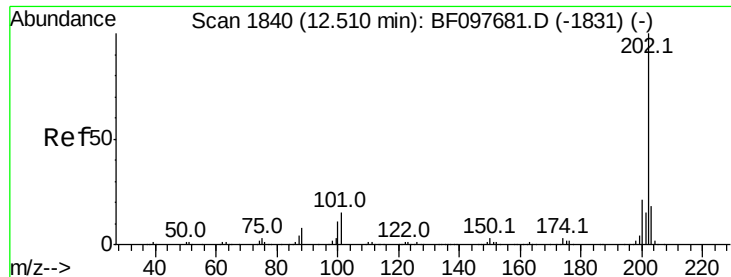
#70
Phenanthrene
Concen: 2.539 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:178 Resp: 41283
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.7 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





#74

Fluoranthene

Concen: 3.548 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.04 min

Lab File: BF098394.D

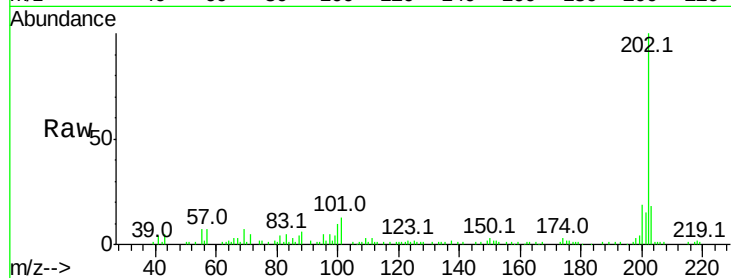
Acq: 9 Sep 2017 19:07

Instrument :

BNA_F

ClientSampleId :

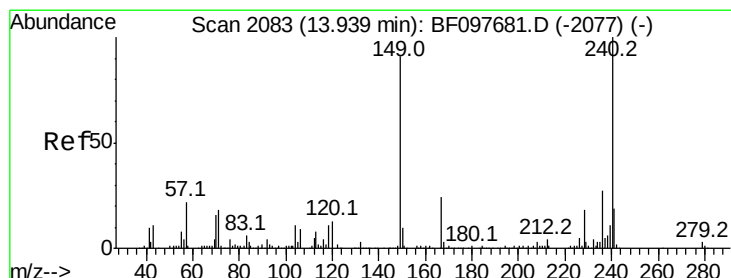
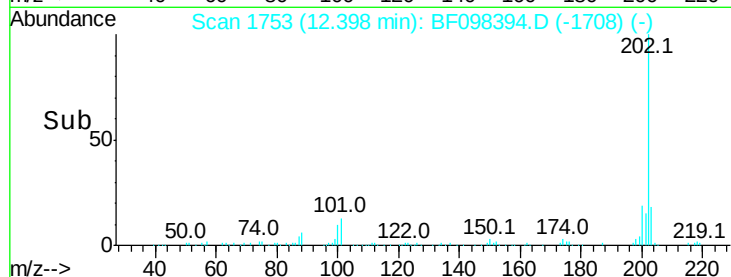
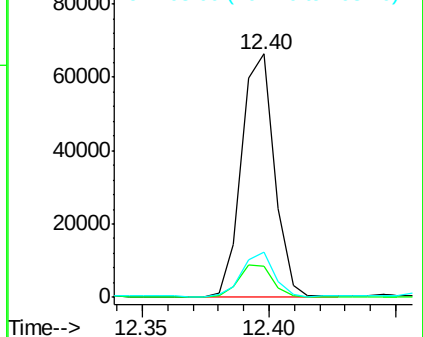
Tot Ion:	202	Resp:	60205
Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	18.5	0.0	38.1



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: 20.000 ng

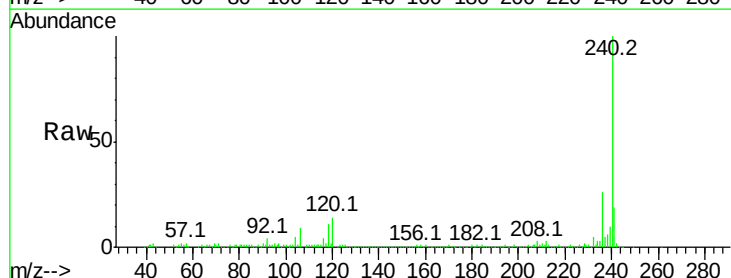
RT: 13.82 min Scan# 1995

Delta R.T. -0.04 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

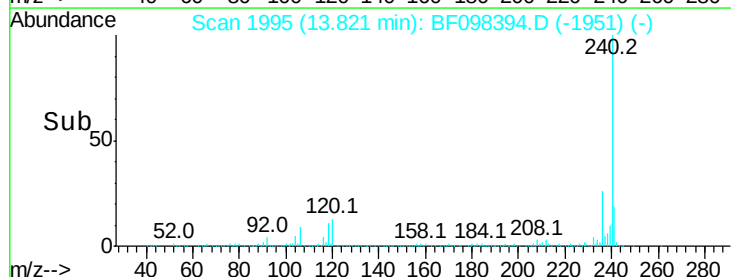
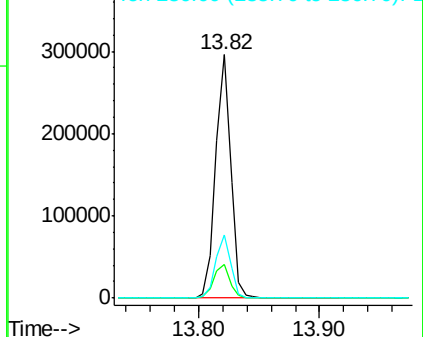
Tgt Ion:	240	Resp:	252379
Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	25.8	20.5	30.7

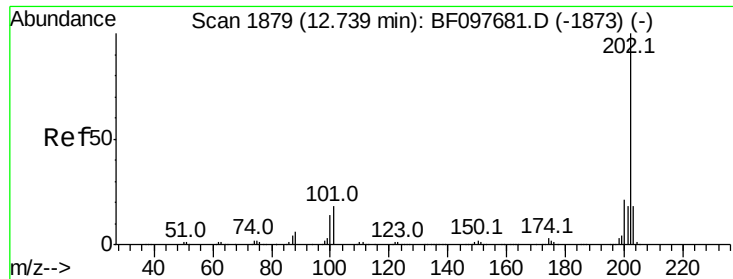


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.767 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.04 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

Instrument :

BNA_F

ClientSampleId :

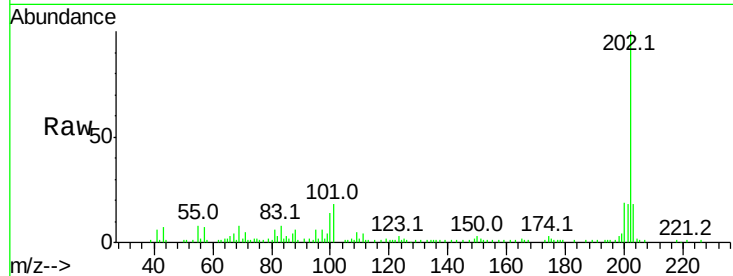
Tot Ion:202 Resp: 57111

Ion Ratio Lower Upper

202 100

200 19.4 17.6 26.4

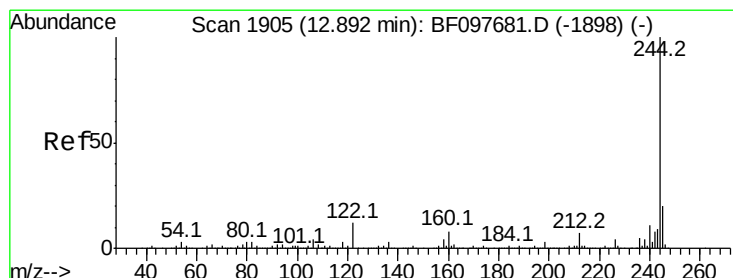
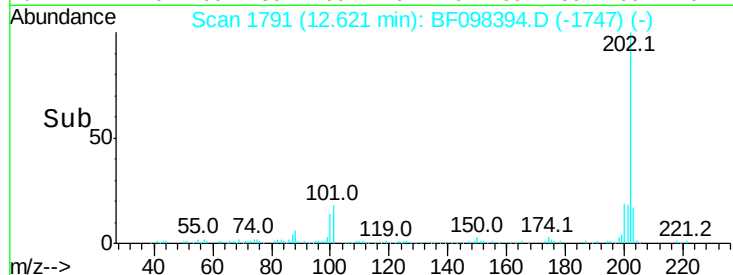
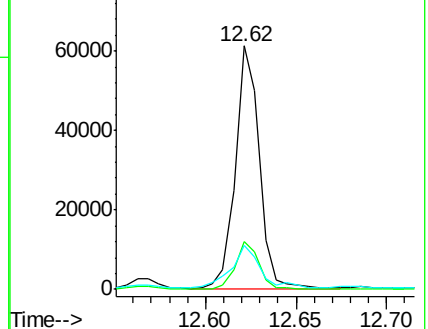
203 17.8 14.4 21.6



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: 44.300 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.04 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

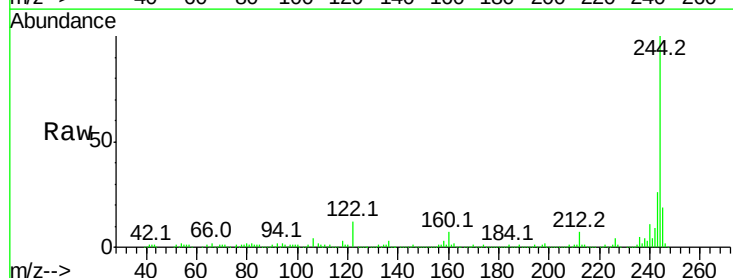
Tgt Ion:244 Resp: 536147

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

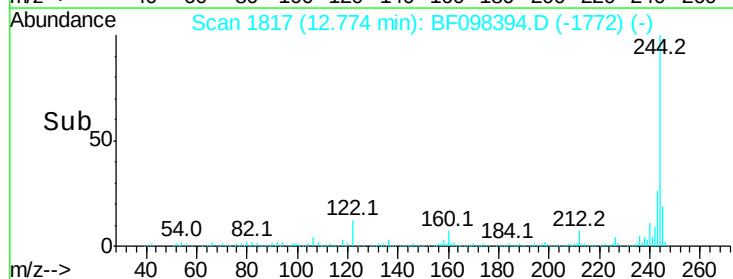
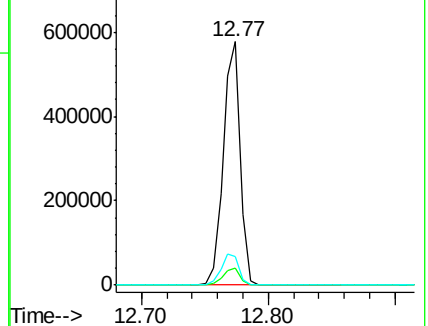
122 11.9 10.3 15.5

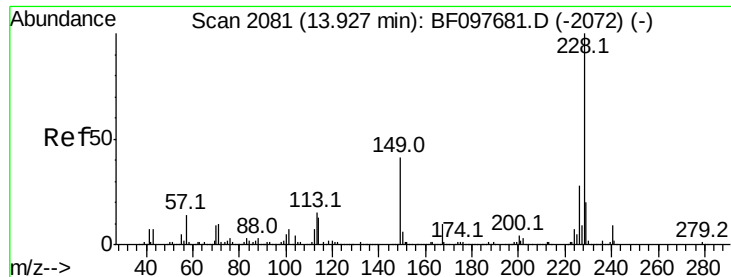


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.114 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.04 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

Instrument :

BNA_F

ClientSampleId :

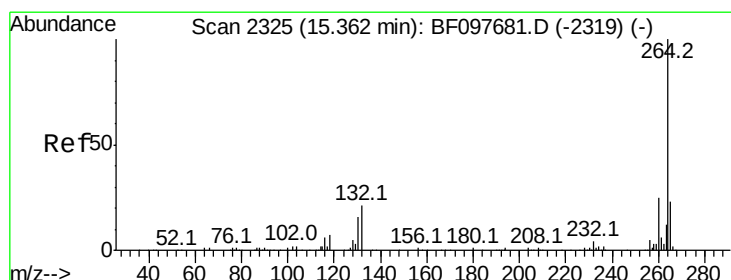
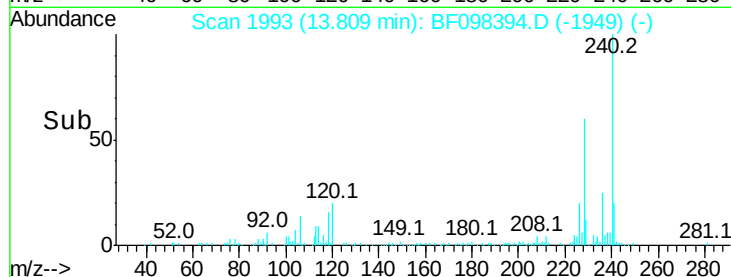
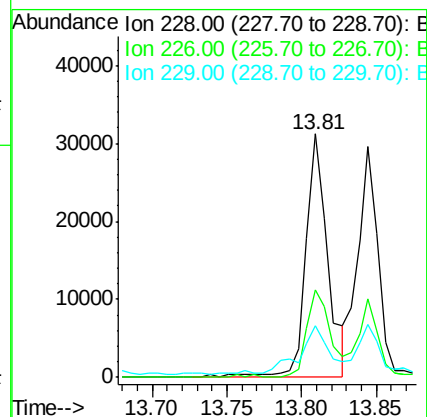
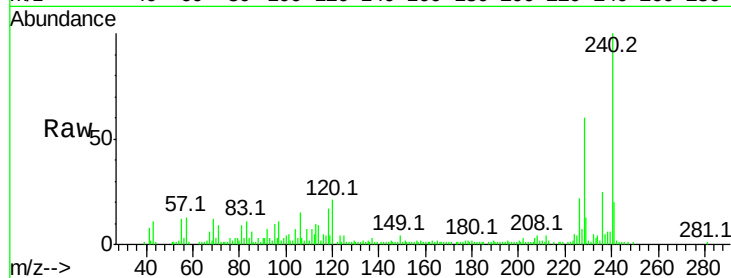
Tot Ion:228 Resp: 31977

Ion Ratio Lower Upper

228 100

226 35.8 22.6 33.8#

229 21.4 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.04 min

Lab File: BF098394.D

Acq: 9 Sep 2017 19:07

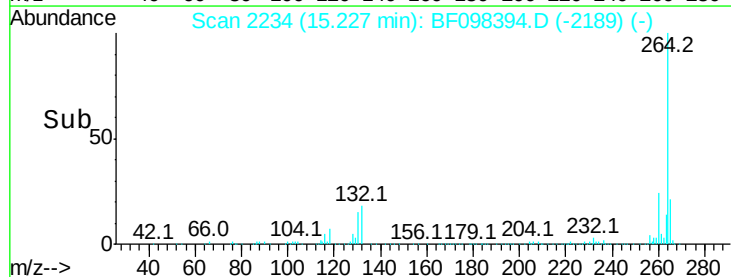
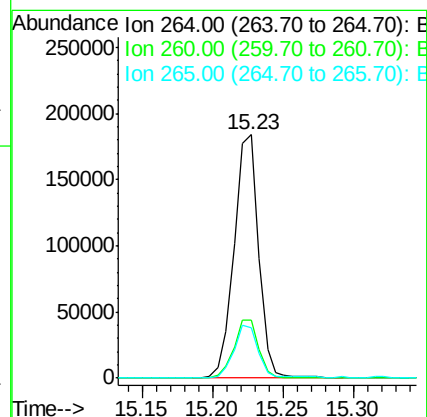
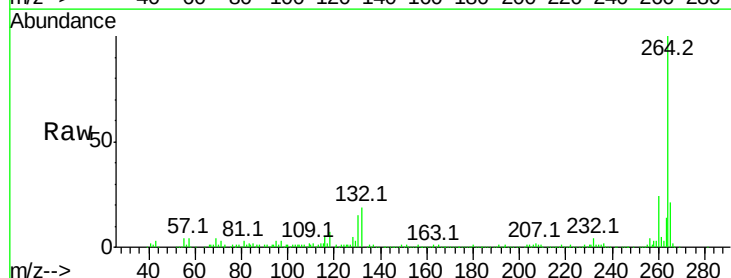
Tgt Ion:264 Resp: 223105

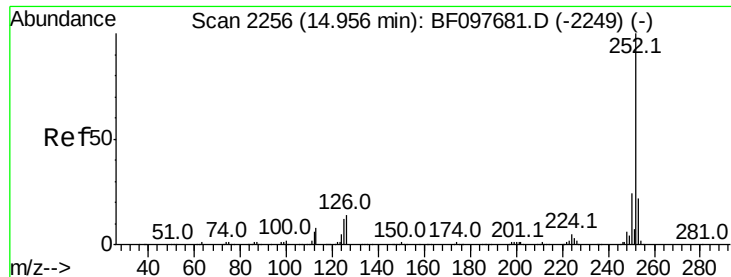
Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 20.9 17.2 25.8

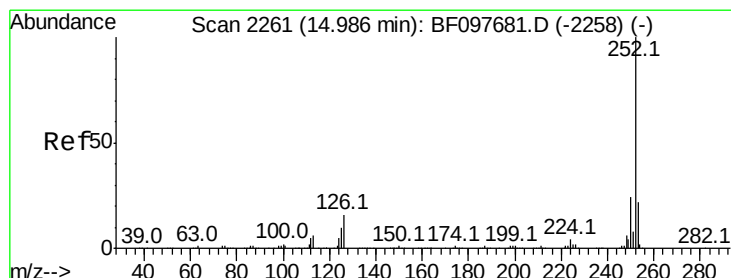
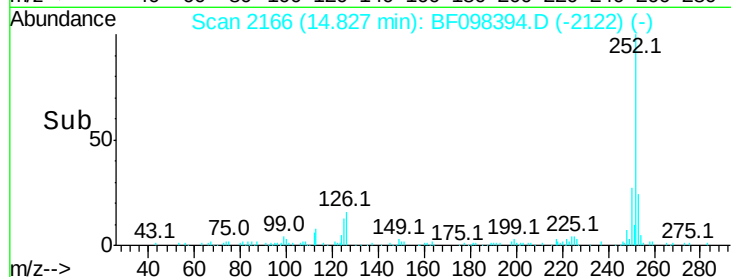
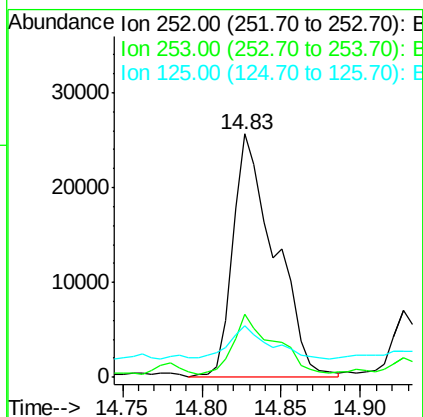
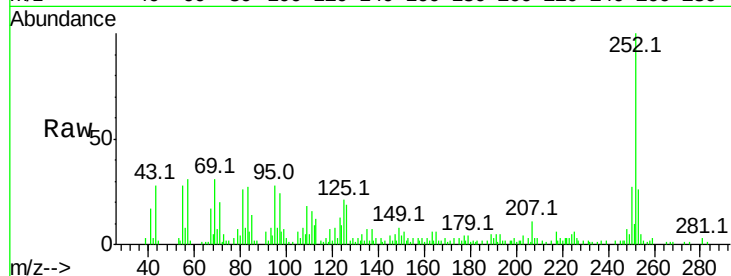




#87
Benzo(b)fluoranthene
Concen: 3.345 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

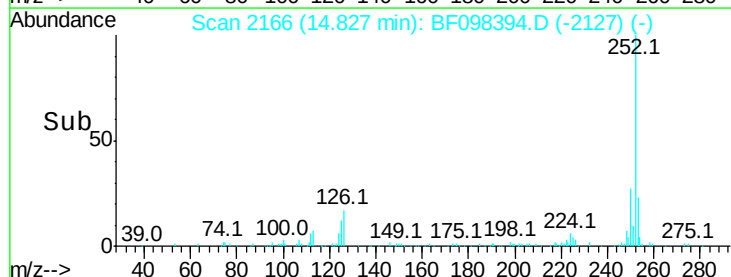
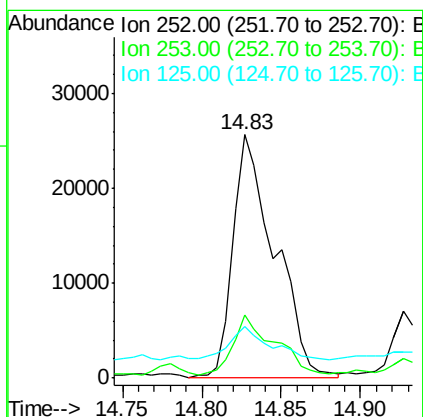
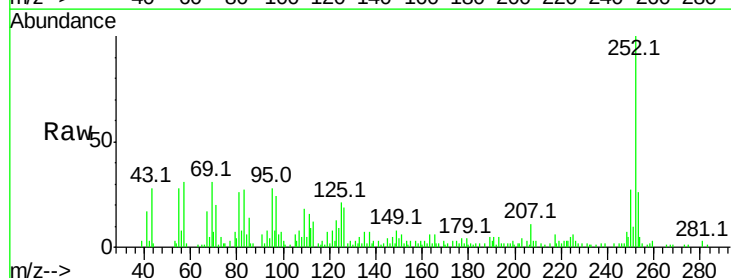
Instrument :
BNA_F
ClientSampleId :

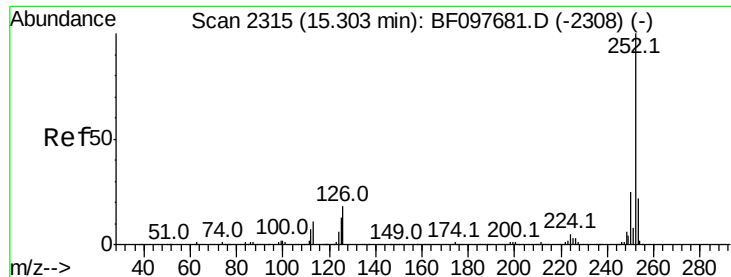
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	21.1	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 3.561 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.07 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.4	27.6
125	21.1	13.1	19.7#

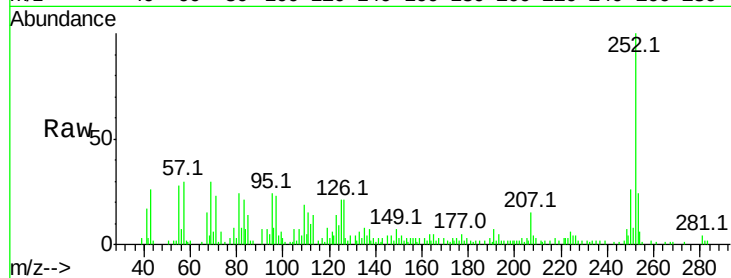




#89
 Benzo(a)pyrene
 Concen: 2.108 ng
 RT: 15.16 min Scan# 2223
 Delta R.T. -0.05 min
 Lab File: BF098394.D
 Acq: 9 Sep 2017 19:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	21.0	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

