

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF08119.D
 Acq On : 29 Aug 2017 19:08
 Operator : SJ/JU
 Sample : I4989-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 03:00:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	138150	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	560023	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	247957	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	414544	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	271264	20.00	ng	-0.02
86) Perylene-d12	15.30	264	259555	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1046369	115.21	ng	0.00
7) Phenol-d6	6.37	99	1427007	115.64	ng	-0.01
23) Nitrobenzene-d5	7.30	82	902091	87.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	237328	110.31	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1260941	74.71	ng	-0.01
78) Terphenyl-d14	12.84	244	839577	64.54	ng	-0.01

Target Compounds

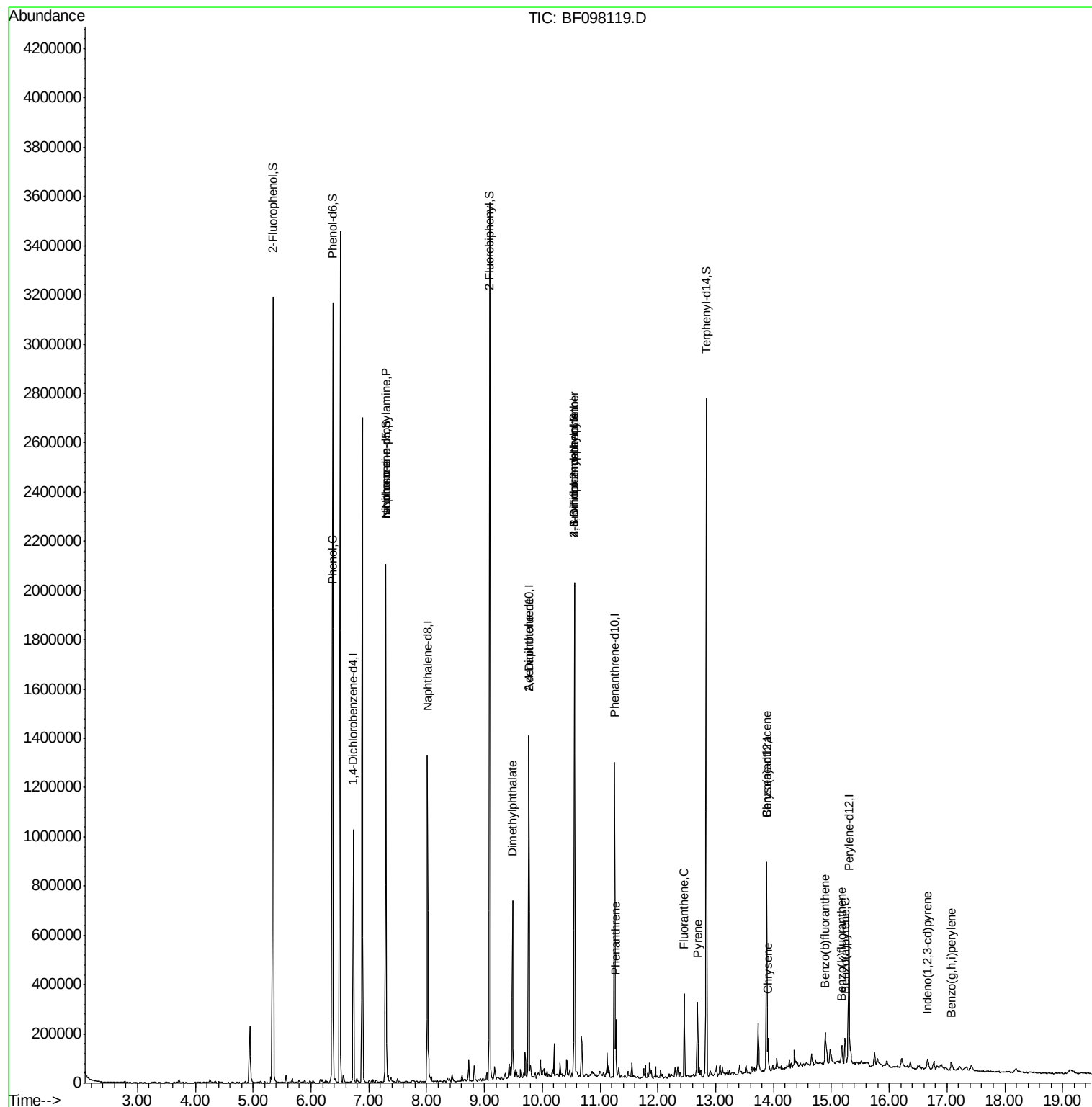
						Qvalue
10) Phenol	6.39	94	52479	3.636	ng	86
19) n-Nitroso-di-n-propylamine	7.30	70	120400	14.252	ng	# 72
25) Isophorone	7.30	82	892625	41.642	ng	# 67
49) Dimethylphthalate	9.49	163	229466	12.660	ng	99
56) 2,4-Dinitrotoluene	9.77	165	32251	7.103	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	534	8.547	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	15419	3.582	ng	# 1
70) Phenanthrene	11.27	178	77620	3.514	ng	98
74) Fluoranthene	12.46	202	117535	5.098	ng	99
77) Pyrene	12.69	202	110030	4.959	ng	97
80) Benzo(a)anthracene	13.87	228	49273	3.031	ng	94
82) Chrysene	13.91	228	50976	3.152	ng	95
85) Indeno(1,2,3-cd)pyrene	16.66	276	26812	2.254	ng	# 91
87) Benzo(b)fluoranthene	14.90	252	87238	5.332	ng	98
88) Benzo(k)fluoranthene	15.18	252	31633	2.058	ng	96
89) Benzo(a)pyrene	15.24	252	45309	3.128	ng	96
91) Benzo(a,h,i)perylene	17.08	276	25310	2.057	ng	# 90

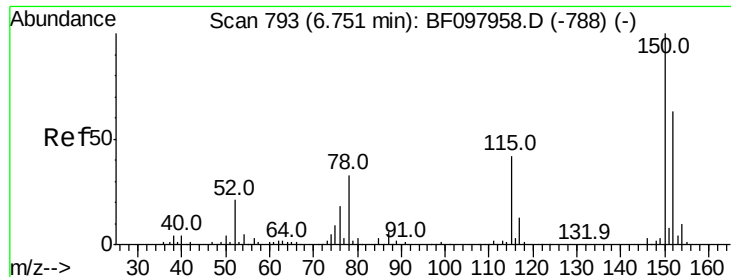
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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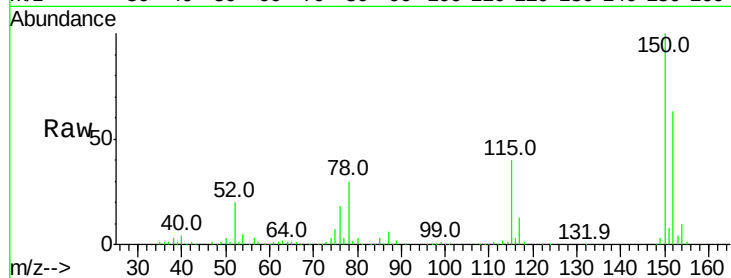


#1

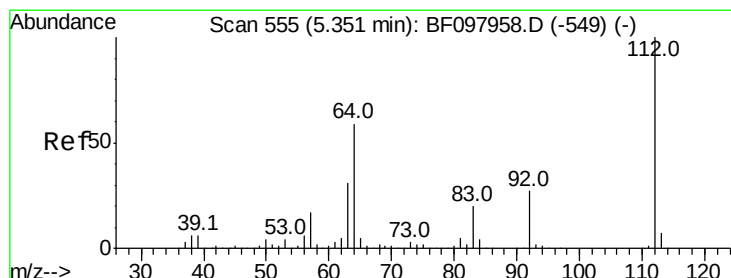
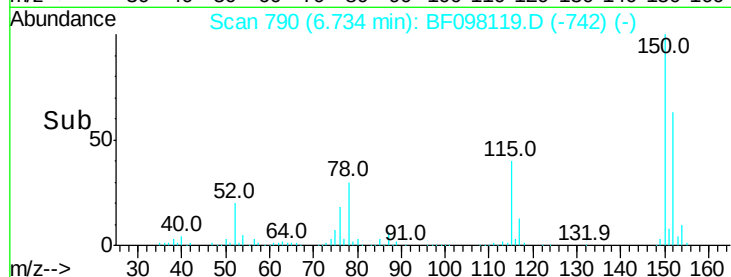
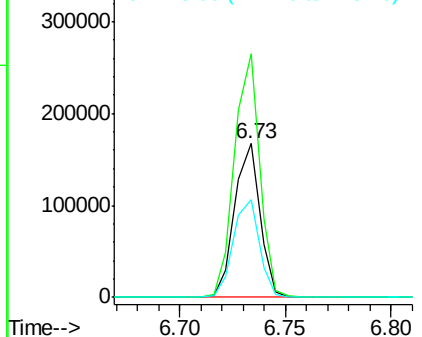
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098119.D
Acq: 29 Aug 2017 19:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138150
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 63.3 52.2 78.2



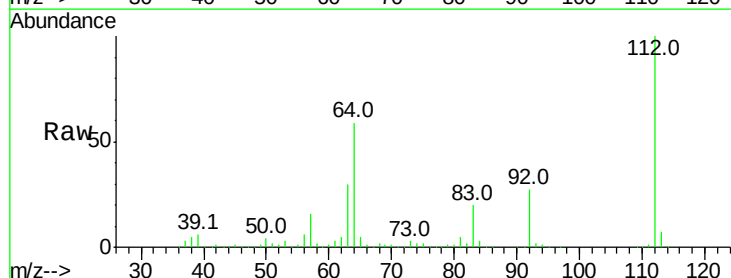
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



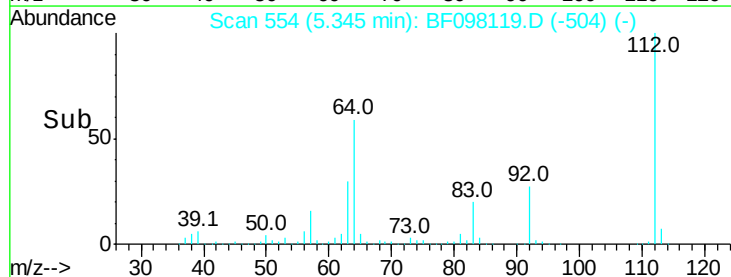
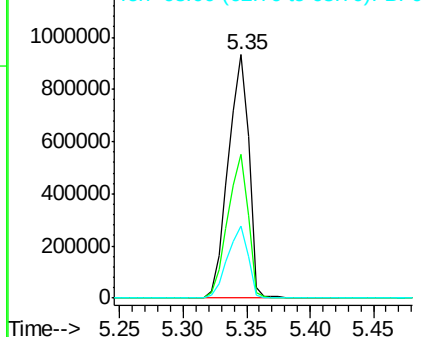
#5

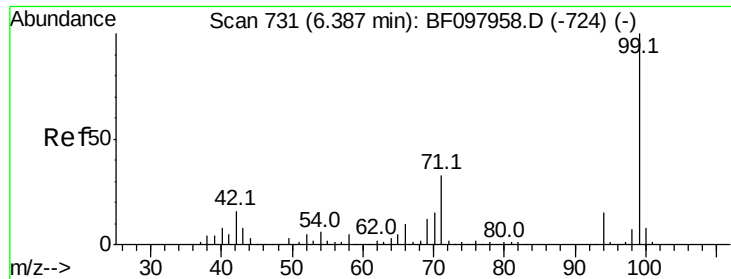
2-Fluorophenol
Concen: 115.208 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098119.D
Acq: 29 Aug 2017 19:08

Tgt Ion:112 Resp: 1046369
Ion Ratio Lower Upper
112 100
64 59.0 46.0 69.0
63 29.6 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: 115.637 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098119.D

Acq: 29 Aug 2017 19:08

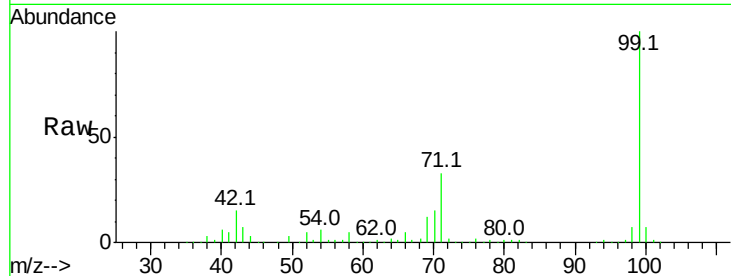
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1427007

Ion	Ratio	Lower	Upper
99	100		
42	14.7	13.5	20.3
71	32.6	24.5	36.7

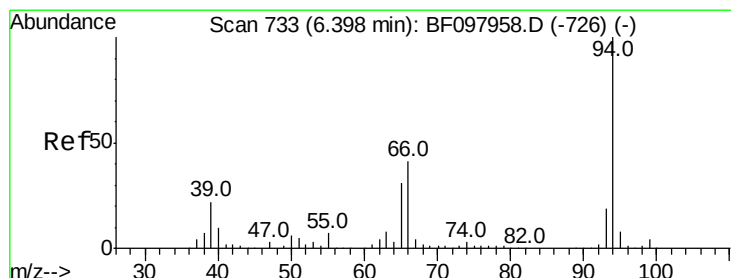
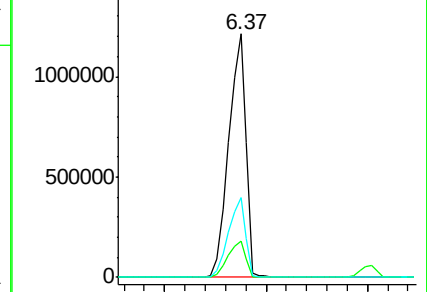
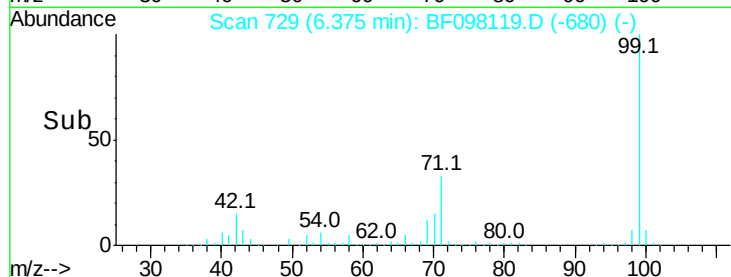


Abundance

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



#10

Phenol

Concen: 3.636 ng

RT: 6.39 min Scan# 731

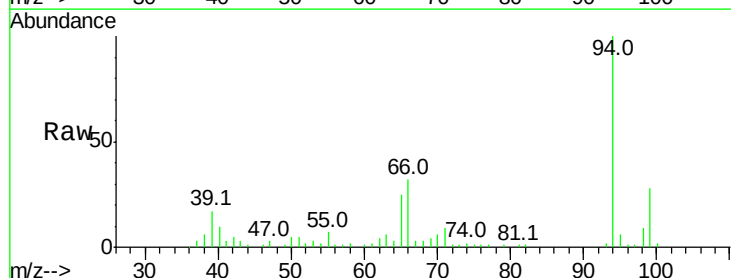
Delta R.T. -0.01 min

Lab File: BF098119.D

Acq: 29 Aug 2017 19:08

Tgt Ion: 94 Resp: 52479

Ion	Ratio	Lower	Upper
94	100		
65	24.9	9.9	49.9
66	32.1	23.1	63.1

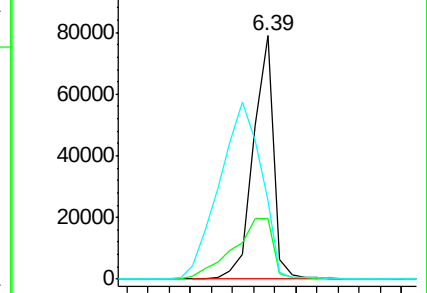
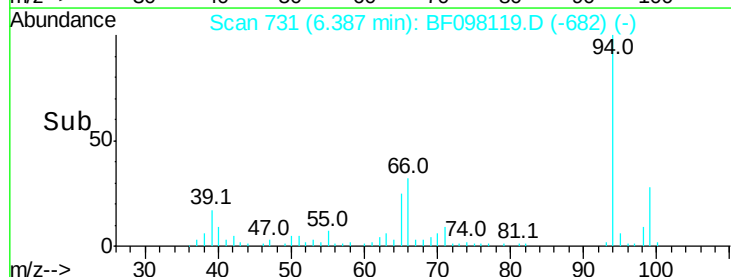


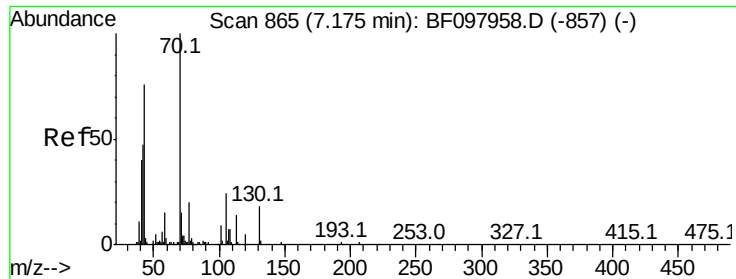
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.252 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF098119.D

Acq: 29 Aug 2017 19:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 120400

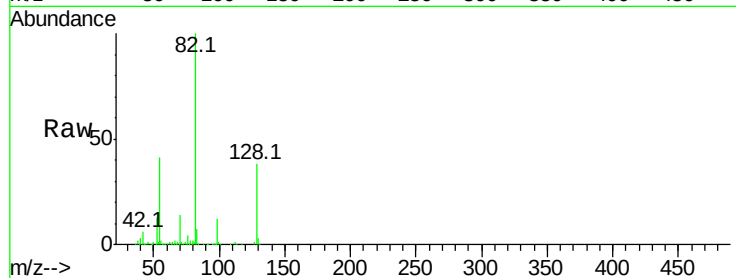
Ion Ratio Lower Upper

70 100

42 40.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

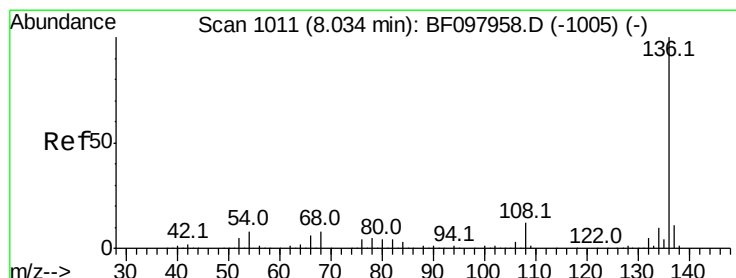
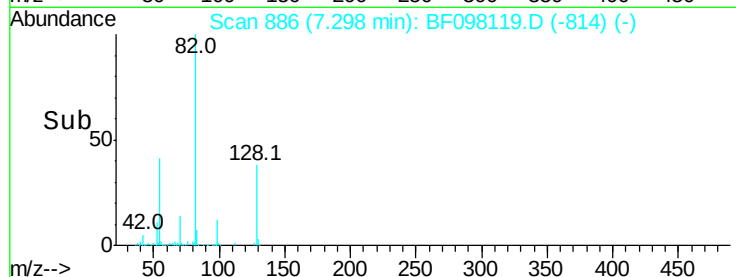
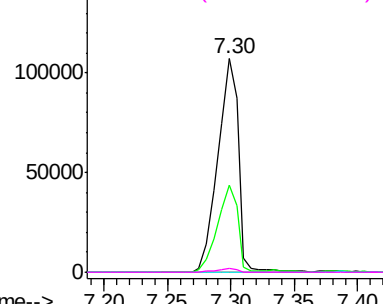


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF098119.D

Acq: 29 Aug 2017 19:08

Tgt Ion: 136 Resp: 560023

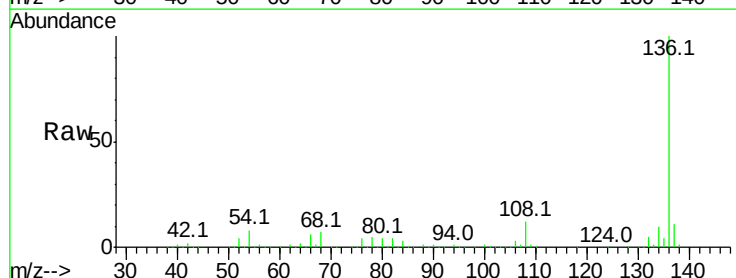
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.8 4.9 7.3#

68 7.3 4.1 6.1#

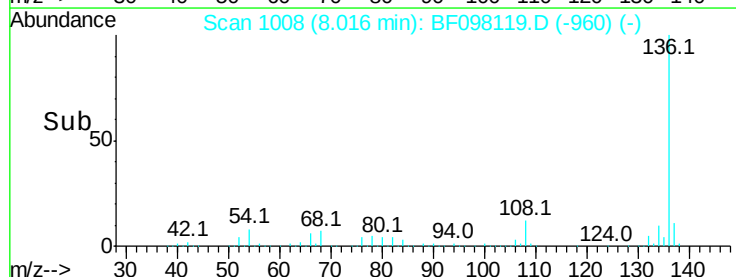
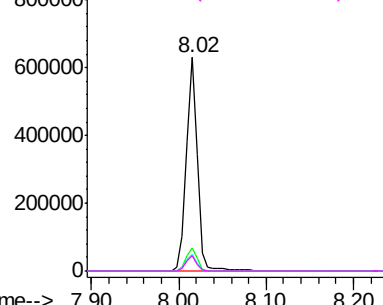


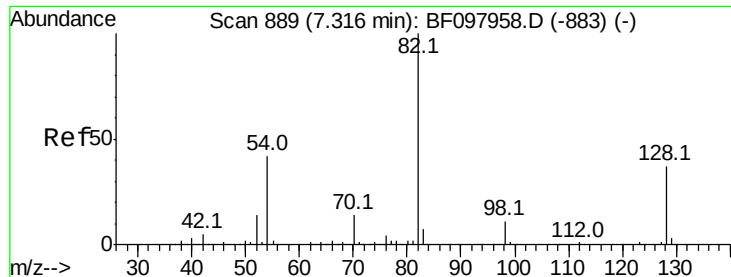
Abundance Ion 136.00 (135.70 to 136.70): E

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

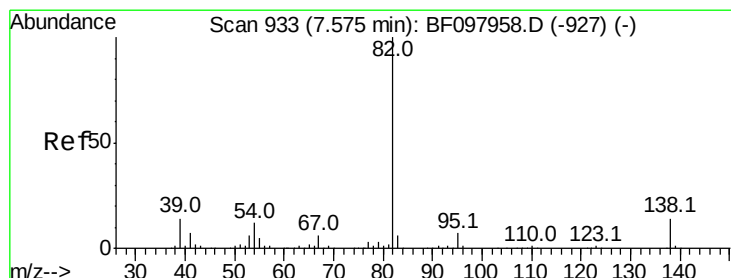
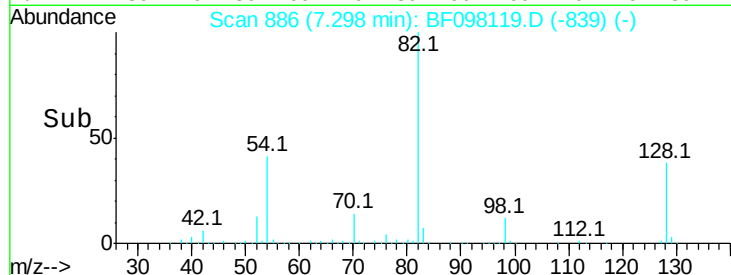
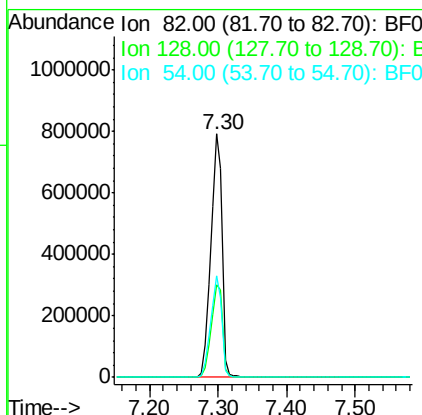
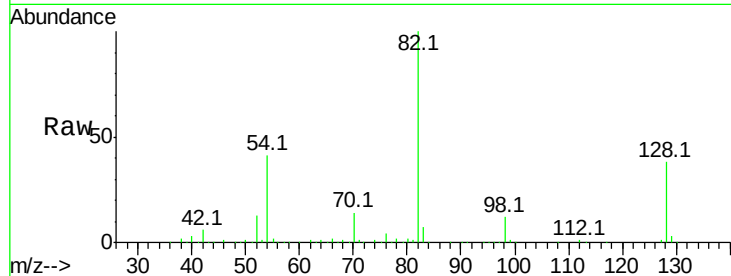




#23
 Nitrobenzene-d5
 Concen: 87.507 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: BF098119.D
 Acq: 29 Aug 2017 19:08

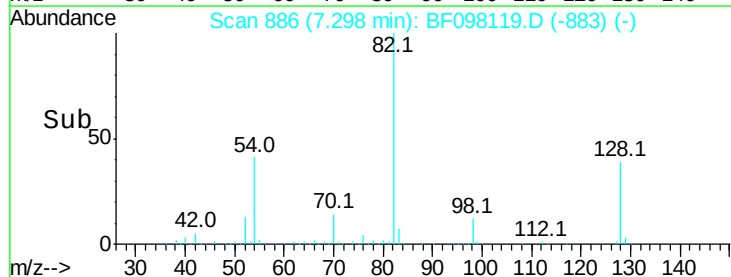
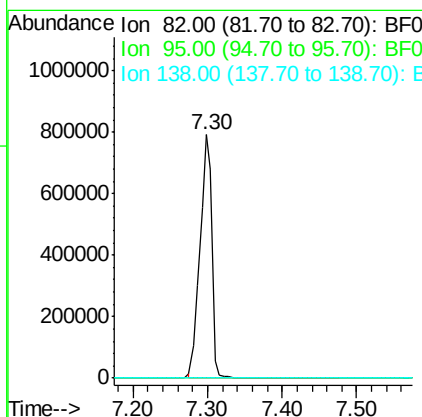
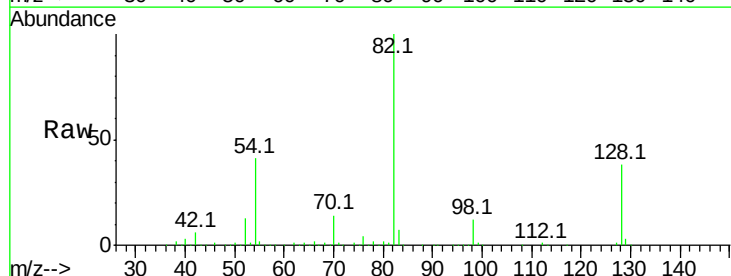
Instrument :
 BNA_F
 ClientSampleId :

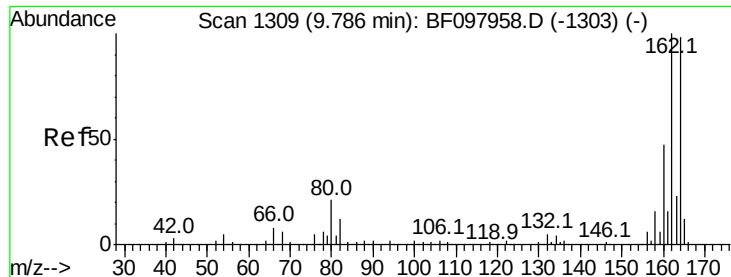
Tot Ion	82	Resp	902091
Ion Ratio	Lower	Upper	
82	100		
128	38.2	34.0	51.0
54	41.4	42.2	63.2#



#25
 Isophorone
 Concen: 41.642 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.28 min
 Lab File: BF098119.D
 Acq: 29 Aug 2017 19:08

Tgt Ion	82	Resp	892625
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.3	7.9#
138	0.0	13.1	19.7#

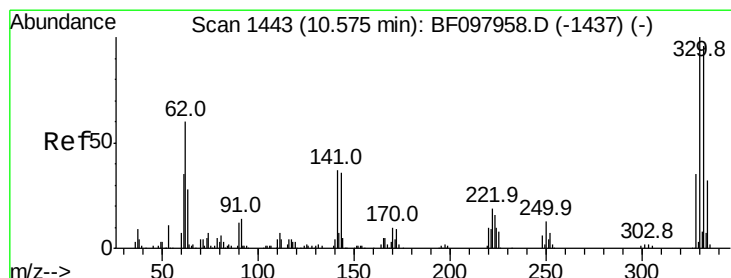
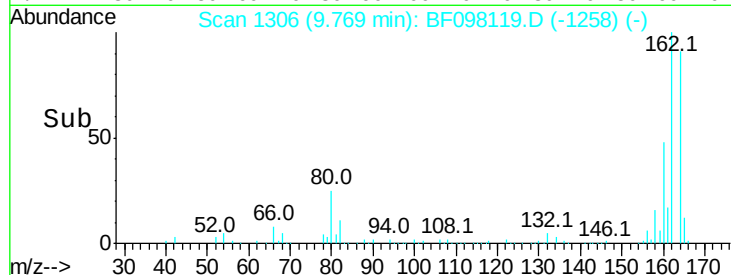
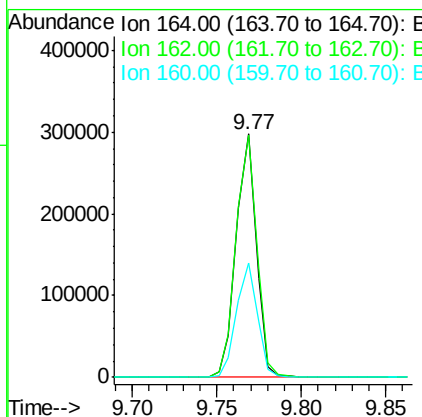
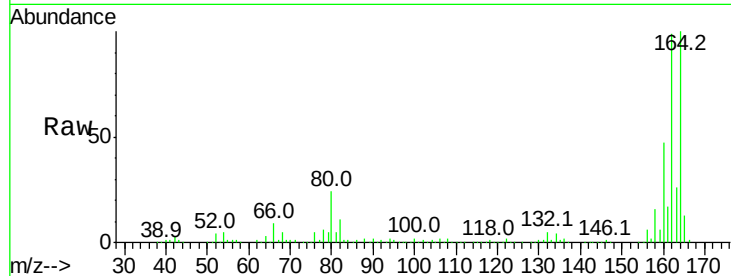




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098119.D
 Acq: 29 Aug 2017 19:08

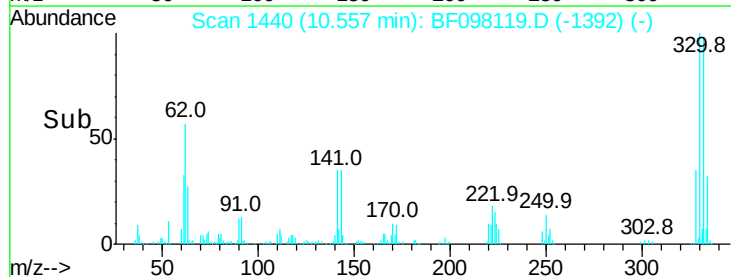
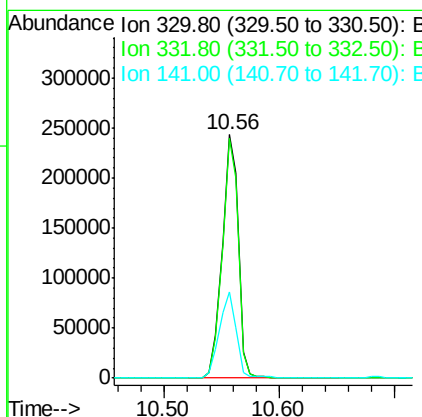
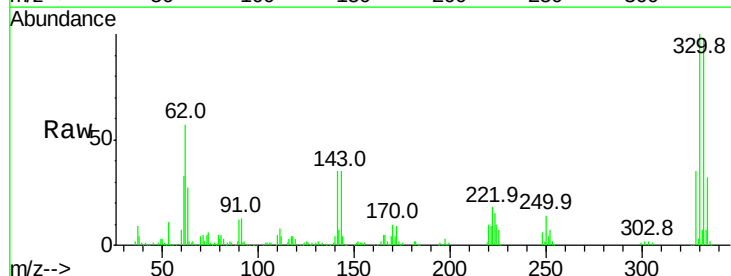
Instrument :
 BNA_F
 ClientSampleId :

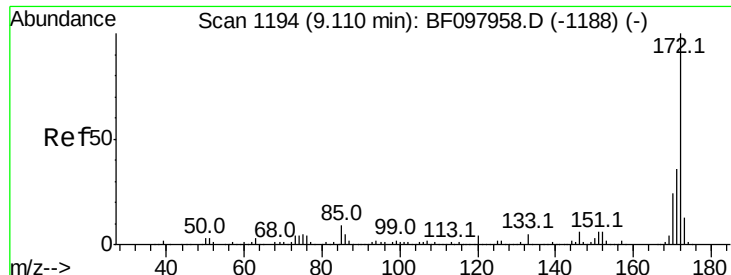
Tot Ion:164 Resp: 247957
 Ion Ratio Lower Upper
 164 100
 162 99.4 82.6 123.8
 160 47.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 110.312 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098119.D
 Acq: 29 Aug 2017 19:08

Tgt Ion:330 Resp: 237328
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 115.0
 141 36.4 31.4 47.2

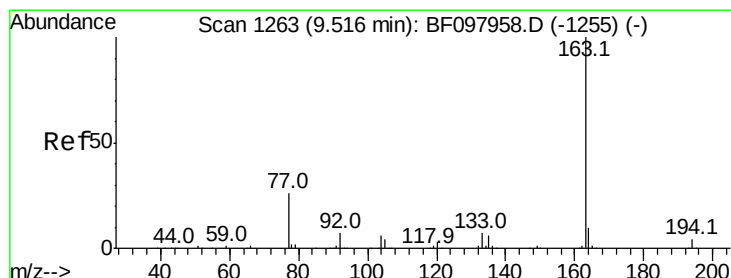
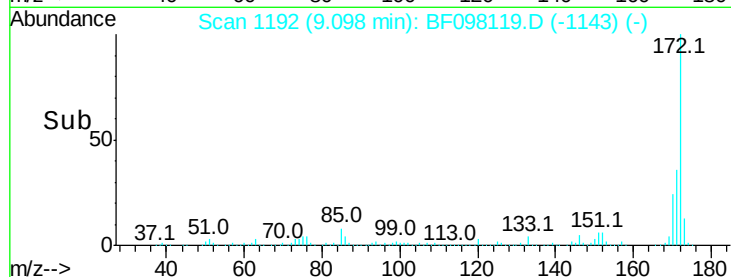
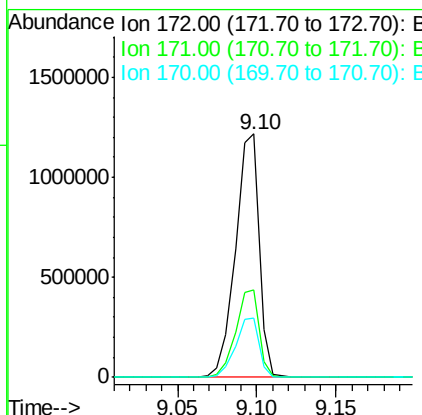
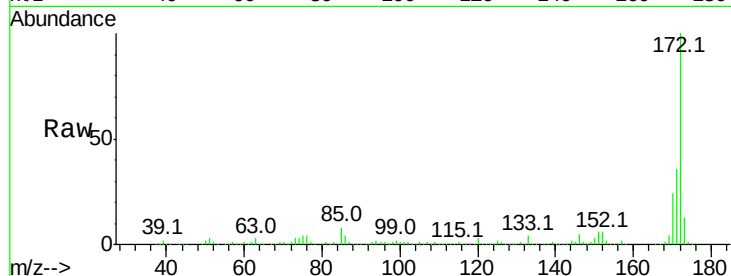




#44
2-Fluorobiphenyl
Concen: 74.714 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098119.D
Acq: 29 Aug 2017 19:08

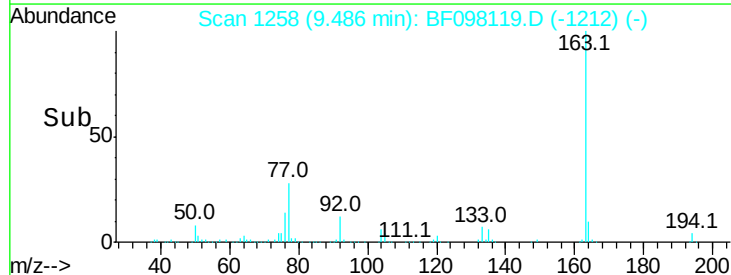
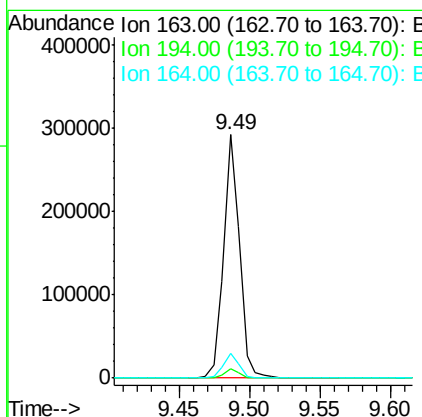
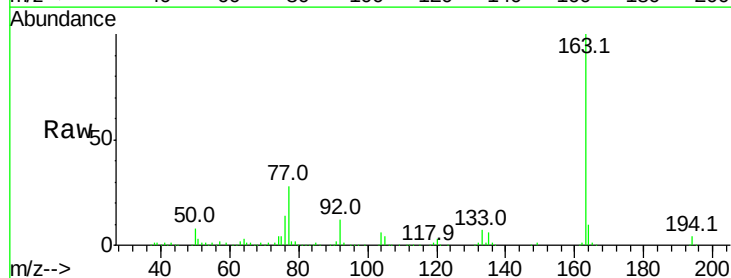
Instrument :
BNA_F
ClientSampleId :

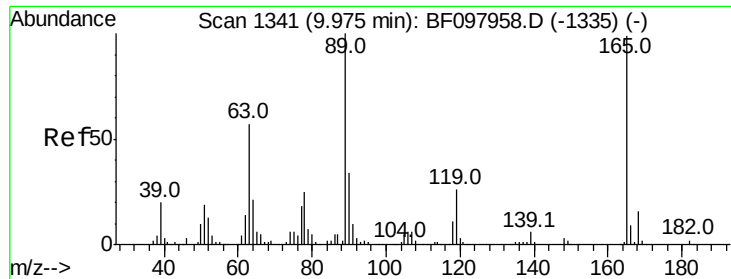
Tot Ion:172 Resp: 1260941
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.5 19.8 29.8



#49
Dimethylphthalate
Concen: 12.660 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF098119.D
Acq: 29 Aug 2017 19:08

Tgt Ion:163 Resp: 229466
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.3 8.4 12.6

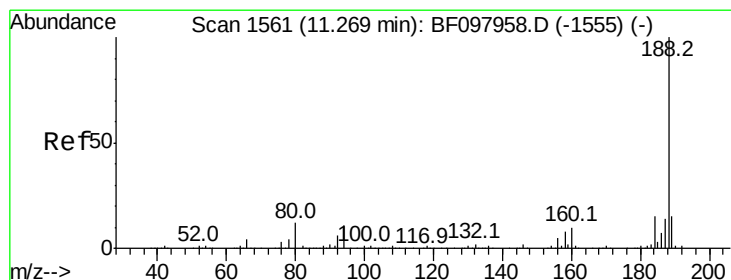
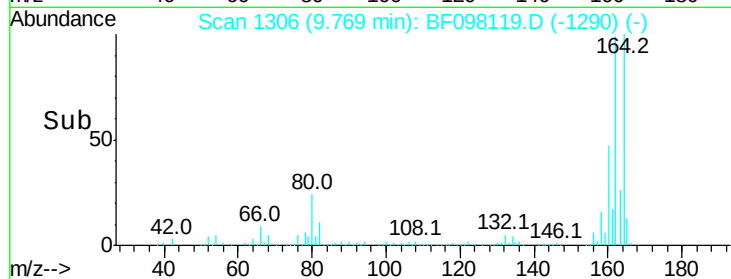
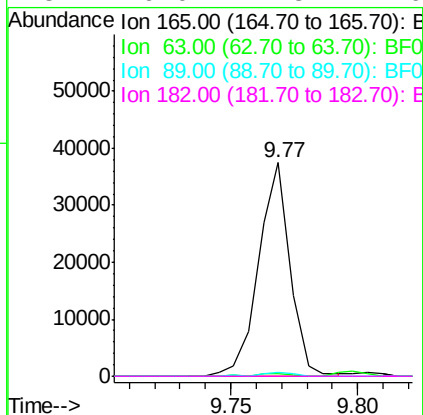
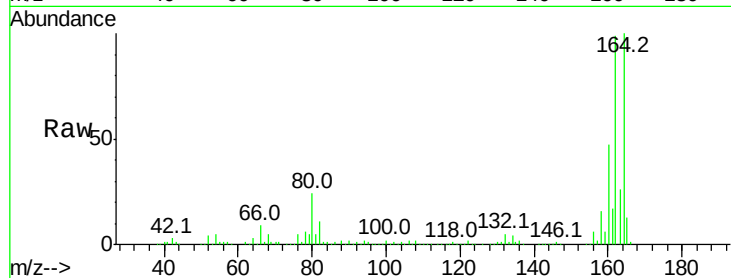




#56
 2,4-Dinitrotoluene
 Concen: 7.103 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.21 min
 Lab File: BF098119.D
 Acq: 29 Aug 2017 19:08

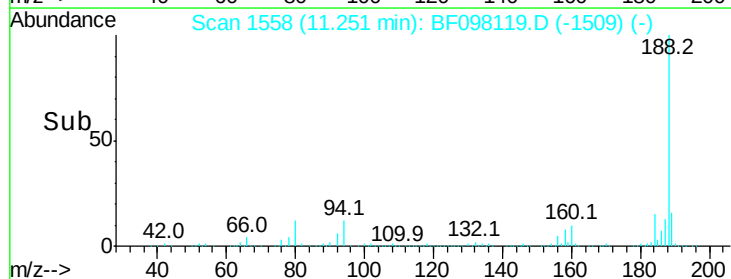
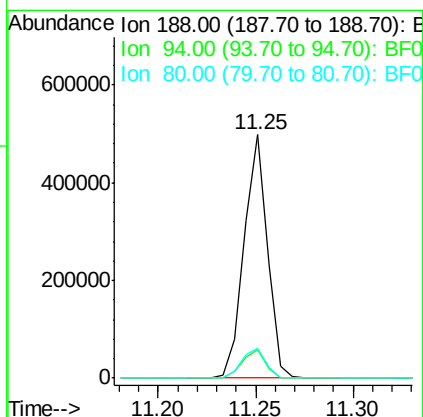
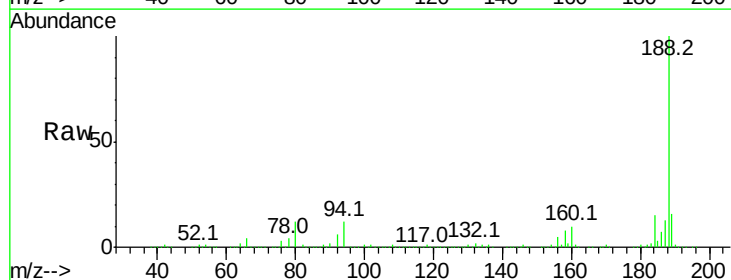
Instrument :
 BNA_F
 ClientSampled :

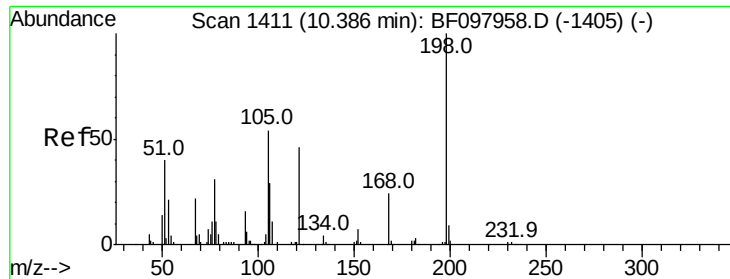
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098119.D
 Acq: 29 Aug 2017 19:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.4	14.2
80	12.3	10.2	15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.547 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF098119.D

Acq: 29 Aug 2017 19:08

Instrument :

BNA_F

ClientSampled :

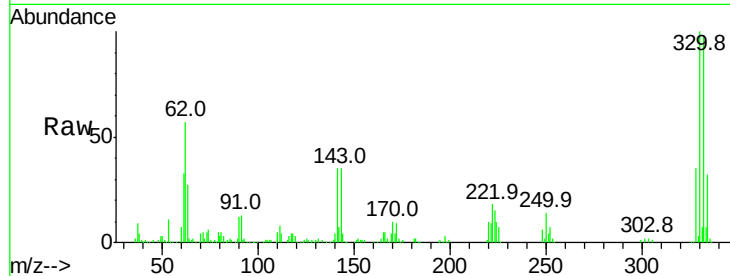
Tot Ion:198 Resp: 534

Ion Ratio Lower Upper

198 100

51 224.3 53.2 93.2#

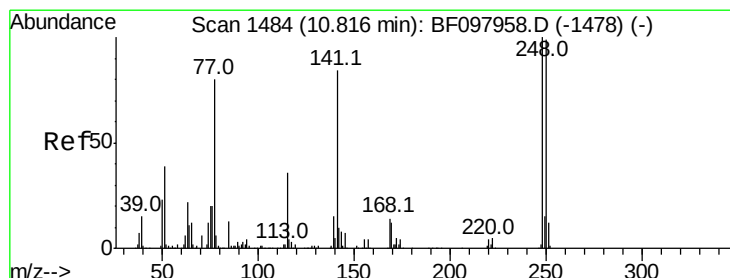
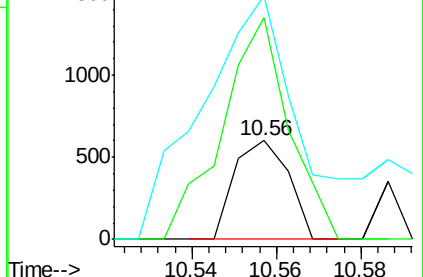
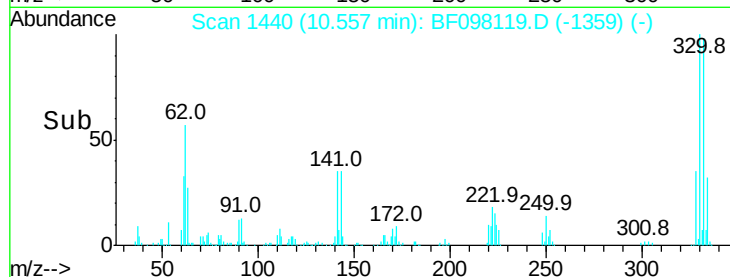
105 246.3 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.582 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.26 min

Lab File: BF098119.D

Acq: 29 Aug 2017 19:08

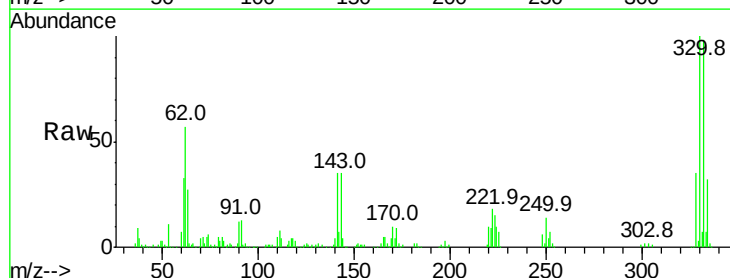
Tgt Ion:248 Resp: 15419

Ion Ratio Lower Upper

248 100

250 209.1 76.8 115.2#

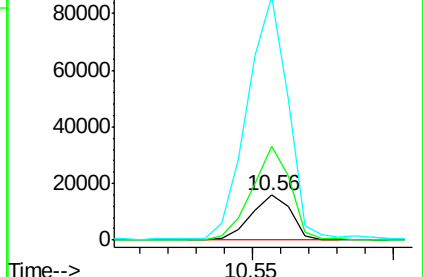
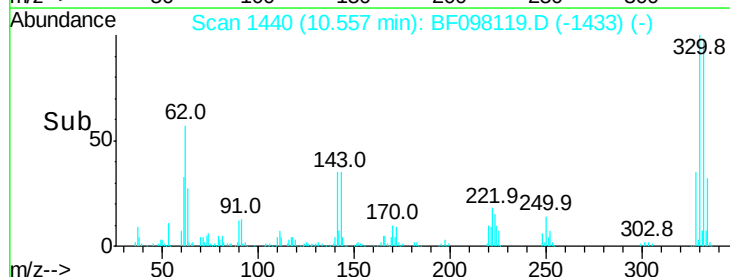
141 544.8 68.6 103.0#

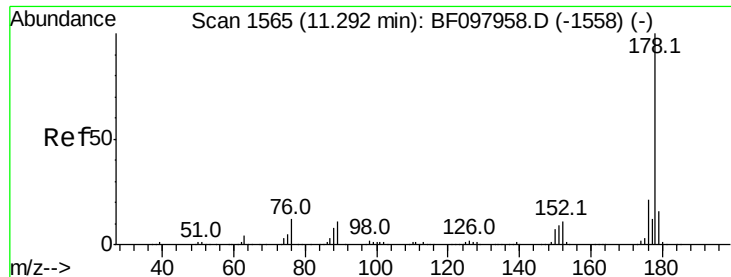


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

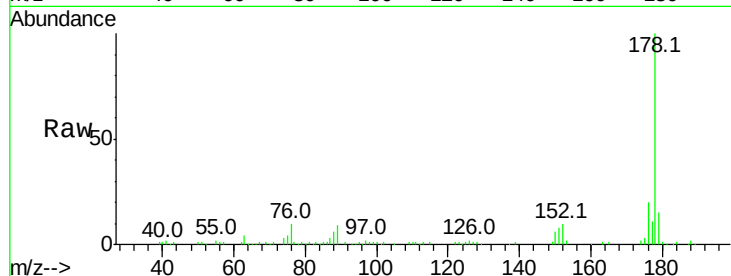




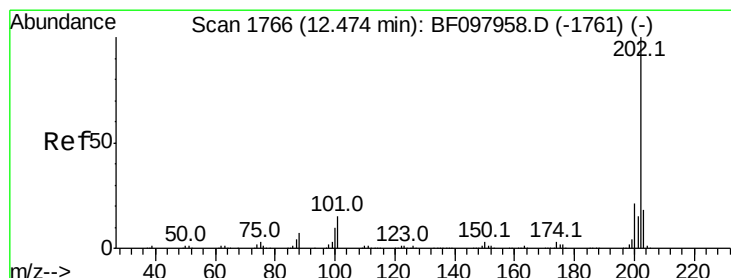
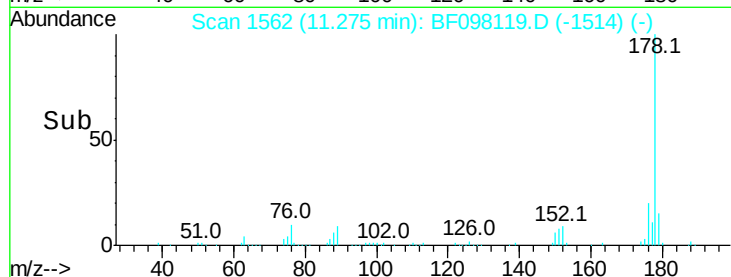
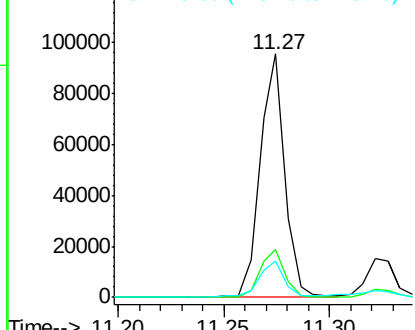
#70
Phenanthrene
Concen: 3.514 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098119.D
Acq: 29 Aug 2017 19:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 77620
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 14.7 12.6 19.0

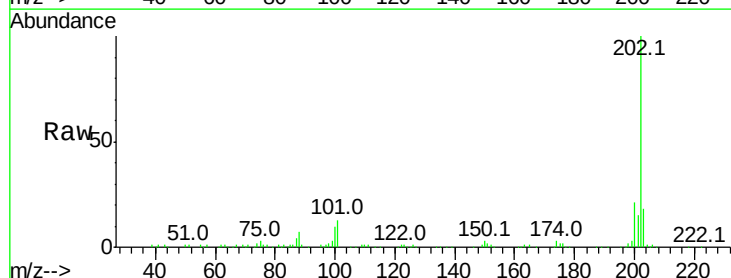


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

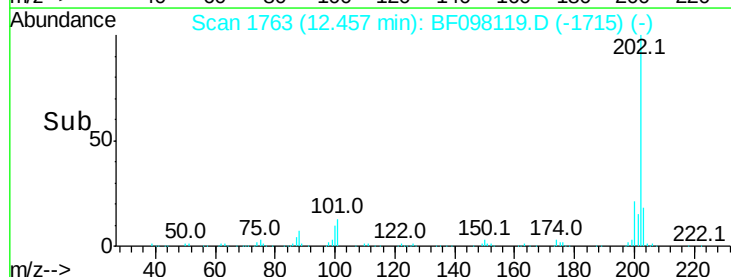
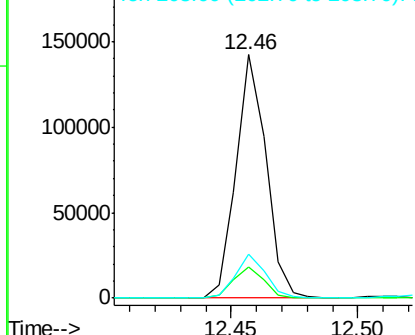


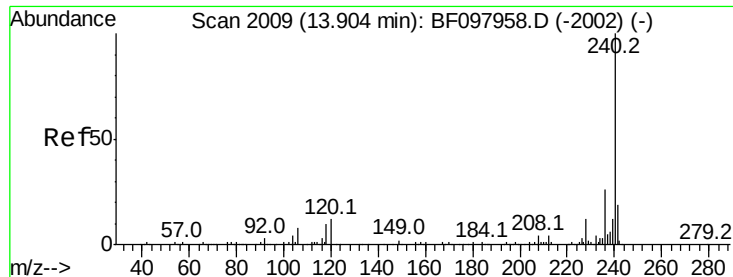
#74
Fluoranthene
Concen: 5.098 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF098119.D
Acq: 29 Aug 2017 19:08

Tgt Ion:202 Resp: 117535
Ion Ratio Lower Upper
202 100
101 12.6 0.0 33.2
203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF098119.D

Acq: 29 Aug 2017 19:08

Instrument :

BNA_F

ClientSampleId :

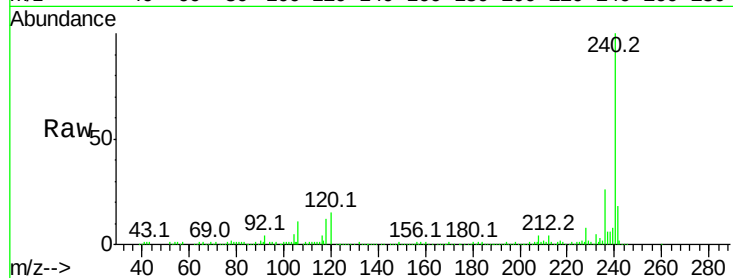
Tot Ion:240 Resp: 271264

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

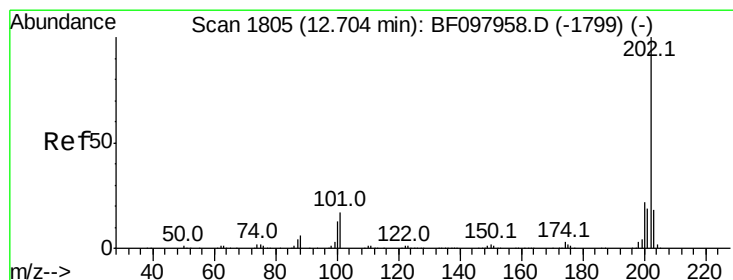
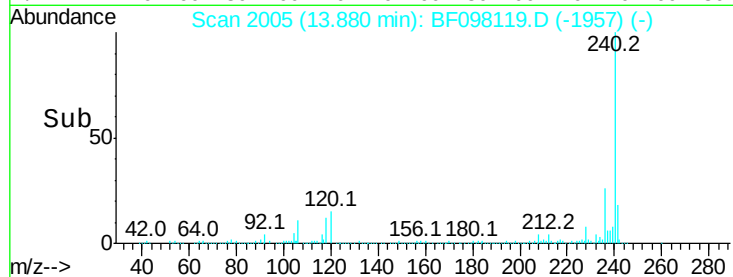
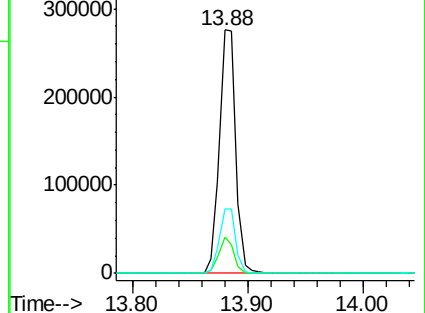
236 26.4 20.5 30.7



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: 4.959 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098119.D

Acq: 29 Aug 2017 19:08

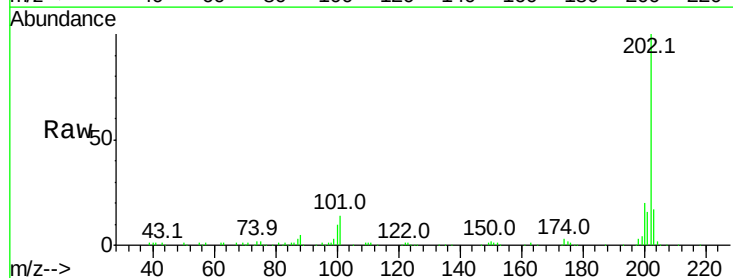
Tgt Ion:202 Resp: 110030

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

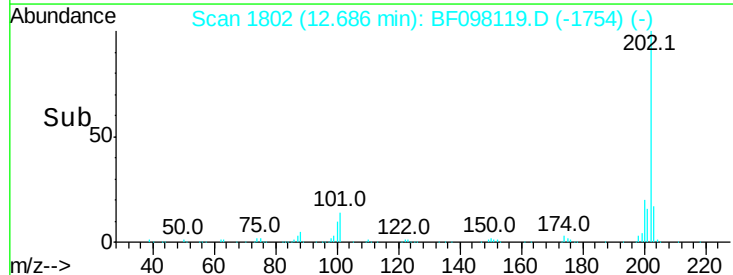
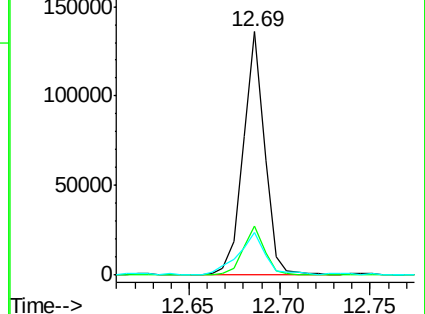
203 17.5 14.4 21.6

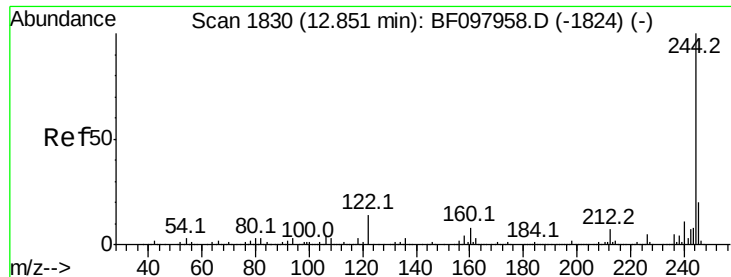


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

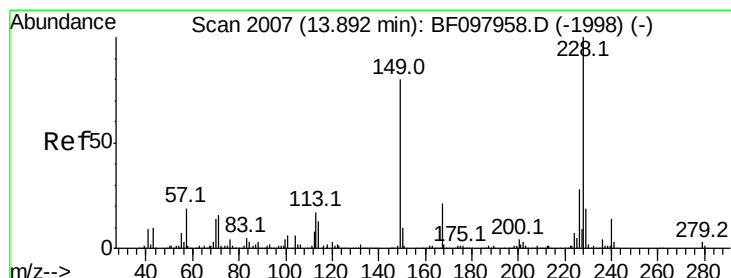
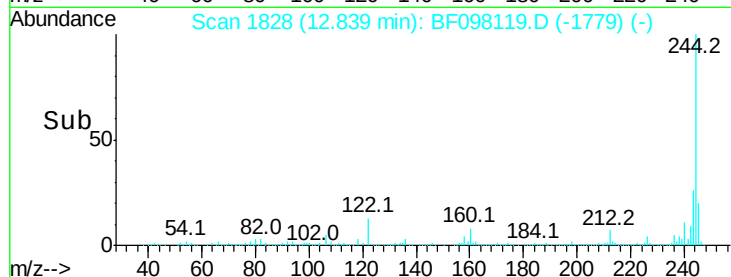
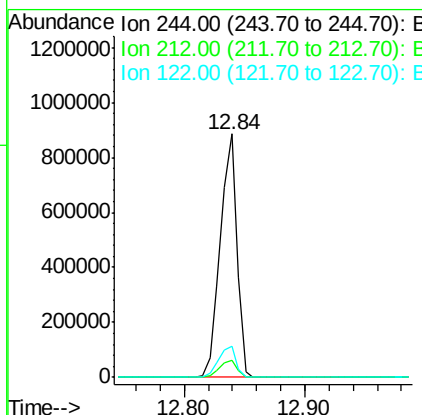
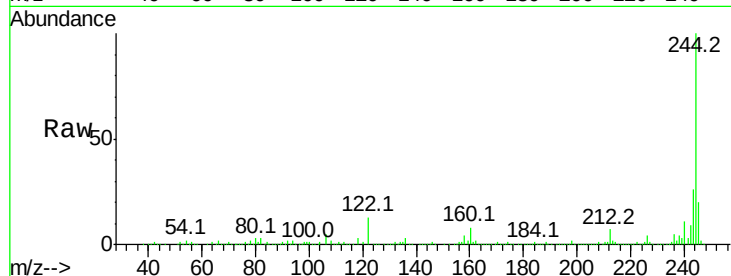




#78
 Terphenyl-d14
 Concen: 64.542 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF098119.D
 Acq: 29 Aug 2017 19:08

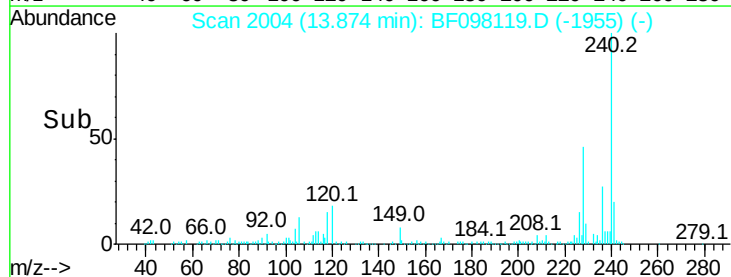
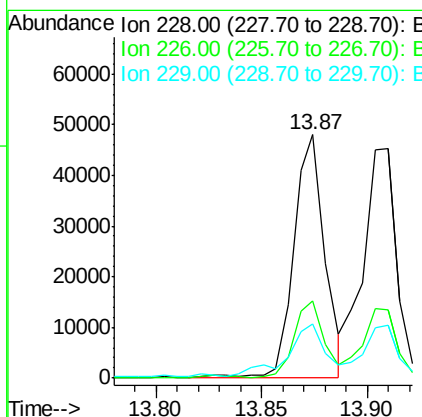
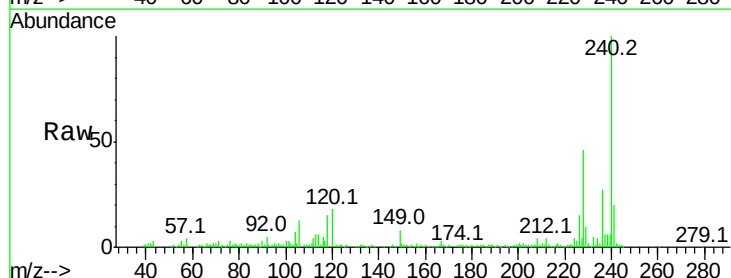
Instrument :
 BNA_F
 ClientSampleId :

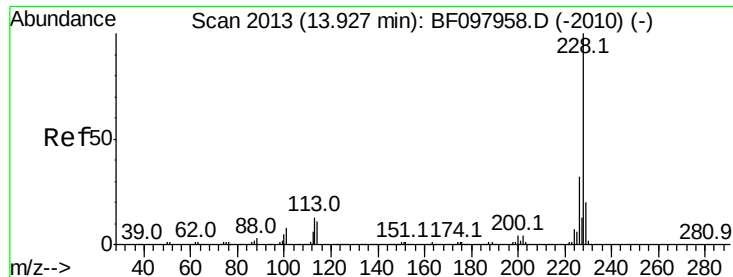
Tot Ion:244 Resp: 839577
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 12.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.031 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF098119.D
 Acq: 29 Aug 2017 19:08

Tgt Ion:228 Resp: 49273
 Ion Ratio Lower Upper
 228 100
 226 31.8 22.6 33.8
 229 22.3 16.3 24.5

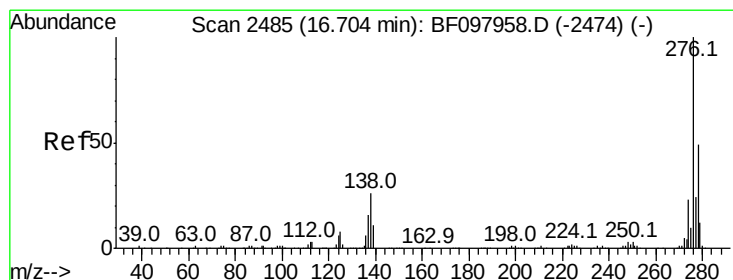
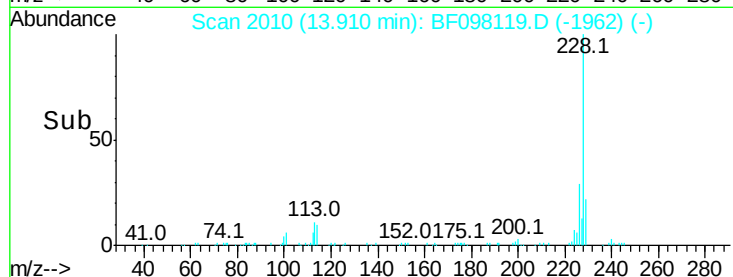
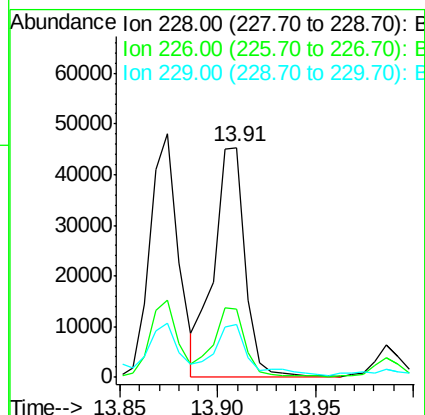
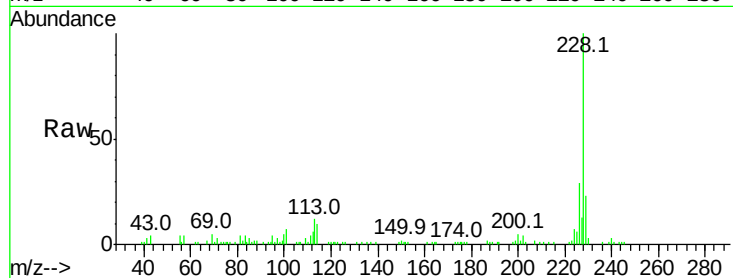




#82
Chrysene
Concen: 3.152 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098119.D
Acq: 29 Aug 2017 19:08

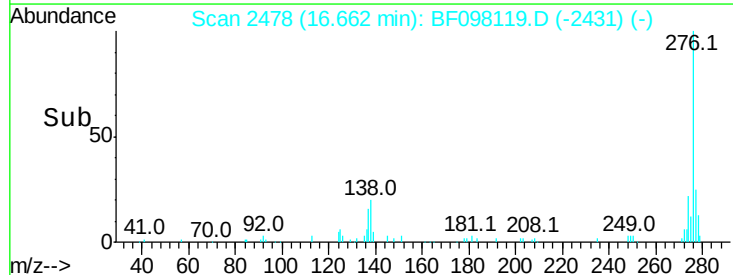
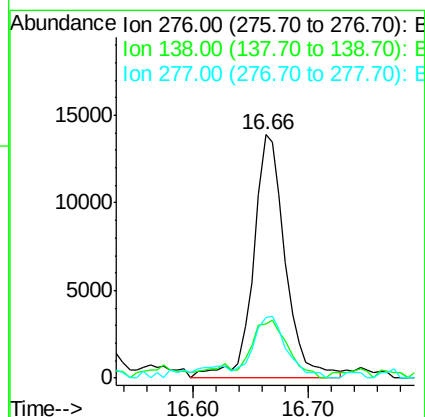
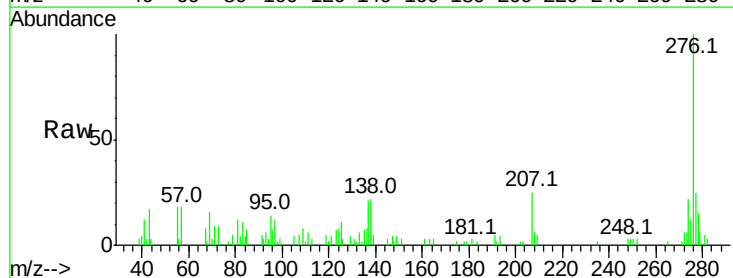
Instrument :
BNA_F
ClientSampleId :

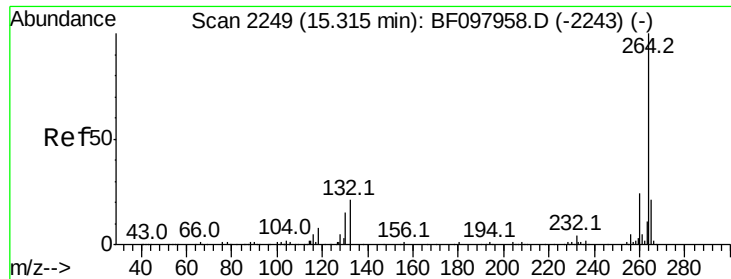
Tot Ion:228 Resp: 50976
Ion Ratio Lower Upper
228 100
226 29.4 24.9 37.3
229 23.1 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.254 ng
RT: 16.66 min Scan# 2478
Delta R.T. -0.02 min
Lab File: BF098119.D
Acq: 29 Aug 2017 19:08

Tgt Ion:276 Resp: 26812
Ion Ratio Lower Upper
276 100
138 26.8 27.8 41.6#
277 26.7 20.2 30.4

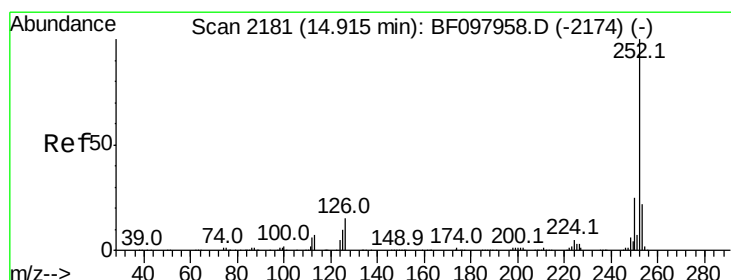
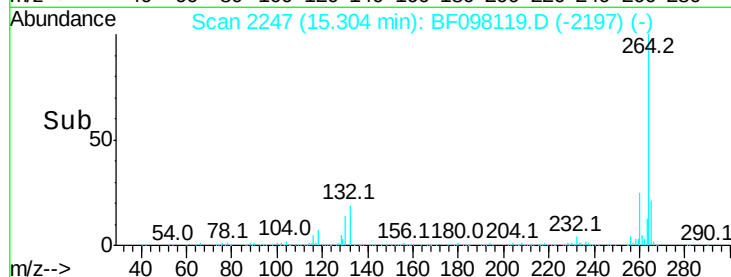
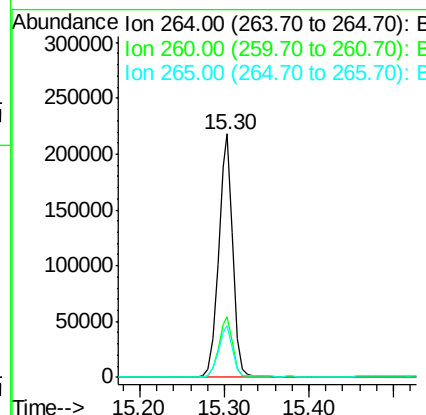
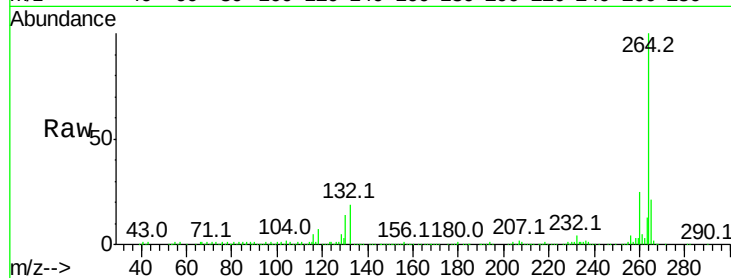




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098119.D
Acq: 29 Aug 2017 19:08

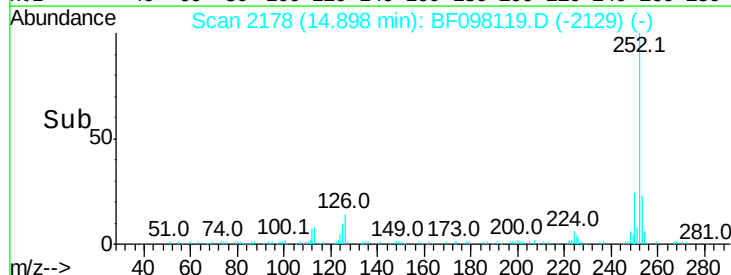
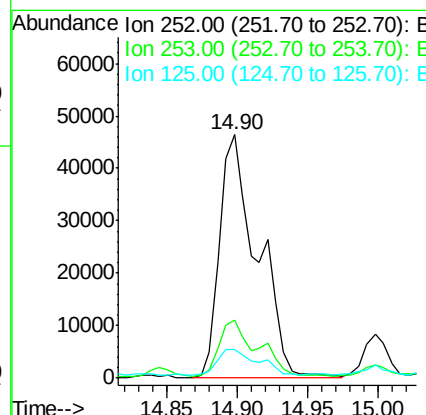
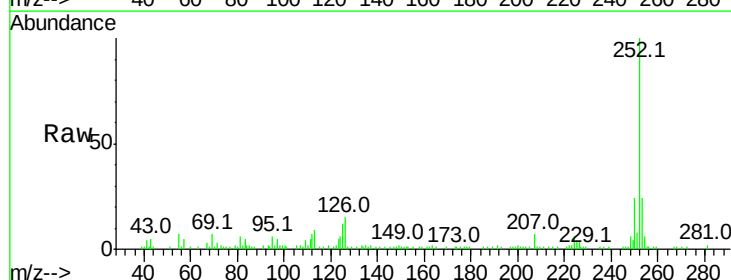
Instrument :
BNA_F
ClientSampleId :

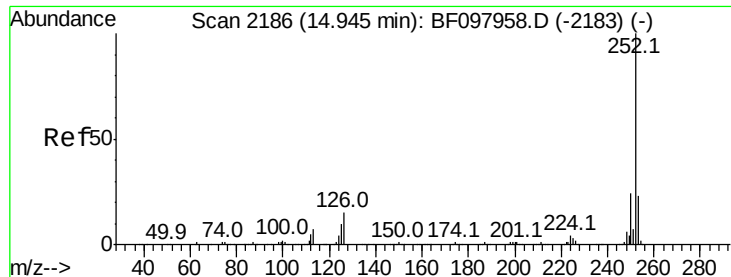
Tot Ion:264 Resp: 259555
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.332 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098119.D
Acq: 29 Aug 2017 19:08

Tgt Ion:252 Resp: 87238
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 11.9 9.8 14.8





#88

Benzo(k)fluoranthene

Concen: 2.058 ng

RT: 15.18 min Scan# 2226

Delta R.T. 0.24 min

Lab File: BF098119.D

Acq: 29 Aug 2017 19:08

Instrument :

BNA_F

ClientSampleId :

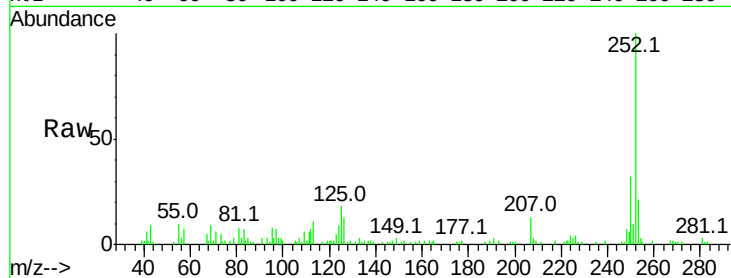
Tot Ion:252 Resp: 31633

Ion Ratio Lower Upper

252 100

253 20.9 18.4 27.6

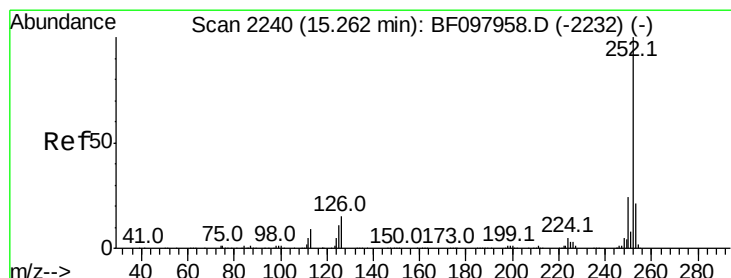
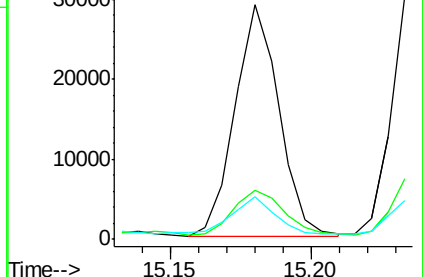
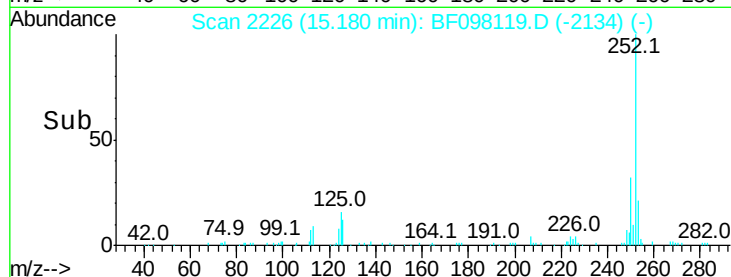
125 18.3 13.1 19.7



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: 3.128 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF098119.D

Acq: 29 Aug 2017 19:08

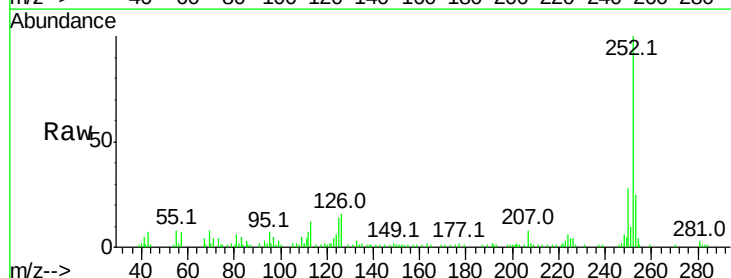
Tgt Ion:252 Resp: 45309

Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

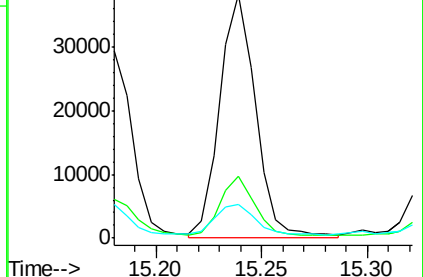
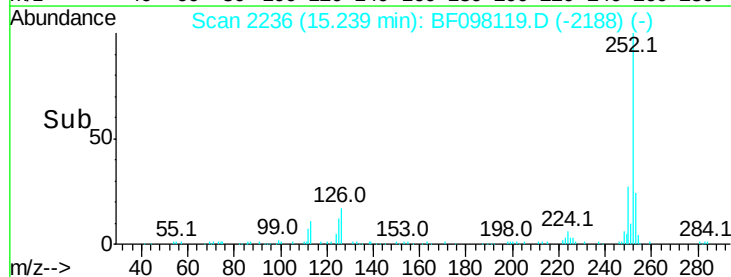
125 13.9 11.0 16.4

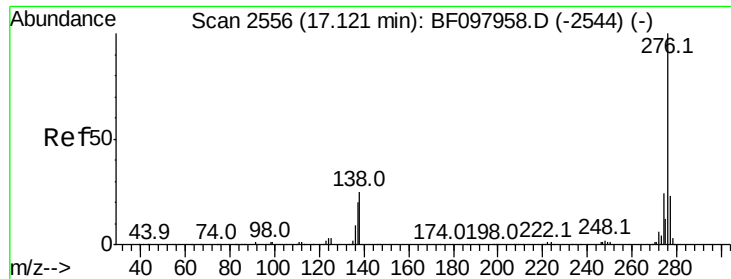


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

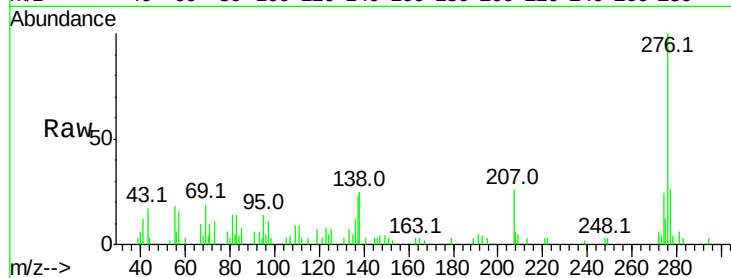




#91
 Benzo(a,h,i)perylene
 Concen: 2.057 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.03 min
 Lab File: BF098119.D
 Acq: 29 Aug 2017 19:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.6	28.0
138	24.9	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

