

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098192.D
 Acq On : 31 Aug 2017 9:21
 Operator : SJ/JU
 Sample : I5006-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 12:38:15 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	112814	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	395912	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	143918	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	240435	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	207409	20.00	ng	-0.02
86) Perylene-d12	15.29	264	138846	20.00	ng	-0.02

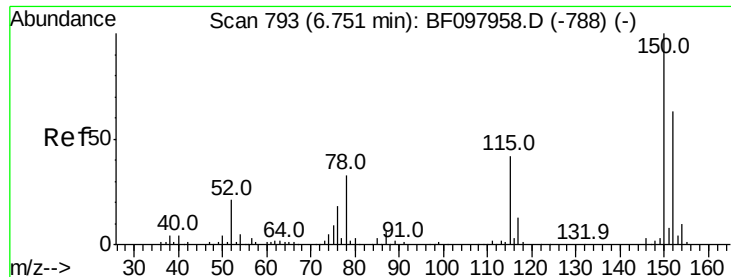
System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	936917	126.32	ng	0.00
7) Phenol-d6	6.37	99	1244568	123.50	ng	-0.01
23) Nitrobenzene-d5	7.29	82	718169	98.54	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	157183	125.87	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	943198	96.29	ng	-0.02
78) Terphenyl-d14	12.83	244	670244	67.39	ng	-0.02

Target Compounds

						Qvalue
10) Phenol	6.38	94	45862	3.891	ng	96
19) n-Nitroso-di-n-propylamine	7.29	70	95014	13.773	ng	# 71
25) Isophorone	7.29	82	704688	46.501	ng	# 67
49) Dimethylphthalate	9.48	163	154660	14.702	ng	97
56) 2,4-Dinitrotoluene	9.76	165	18534	7.033	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.55	198	279	8.524	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	10431	4.178	ng	# 1
70) Phenanthrene	11.26	178	194078	15.148	ng	98
71) Anthracene	11.32	178	58246	4.482	ng	99
74) Fluoranthene	12.45	202	439754	32.884	ng	99
77) Pyrene	12.68	202	426397	25.136	ng	98
80) Benzo(a)anthracene	13.87	228	211979	17.053	ng	97
82) Chrysene	13.90	228	191904	15.519	ng	98
83) Bis(2-ethylhexyl)phthalate	13.86	149	102659	14.244	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.66	276	73533	8.083	ng	# 88
87) Benzo(b)fluoranthene	14.89	252	251063	28.687	ng	99
88) Benzo(k)fluoranthene	15.17	252	84680	10.299	ng	99
89) Benzo(a)pyrene	15.23	252	132643	17.120	ng	99
90) Dibenzo(a,h)anthracene	16.67	278	19095	3.027	ng	# 82
91) Benzo(a,h,i)perylene	17.07	276	67220	10.213	ng	95

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

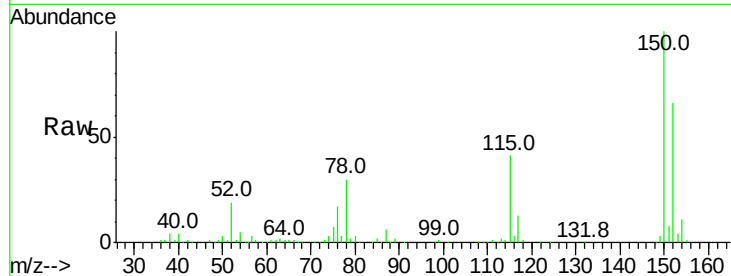


#1

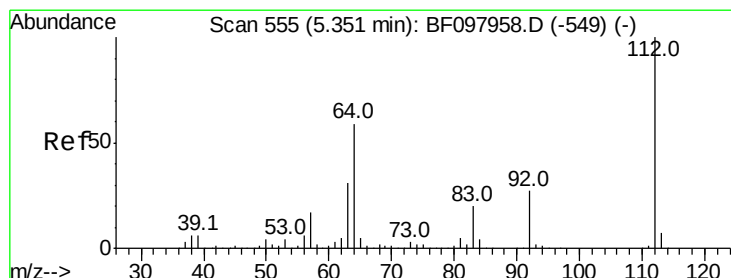
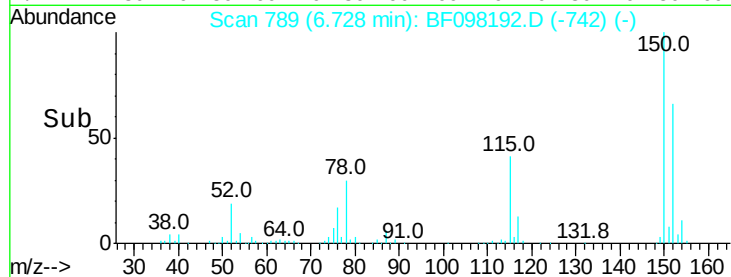
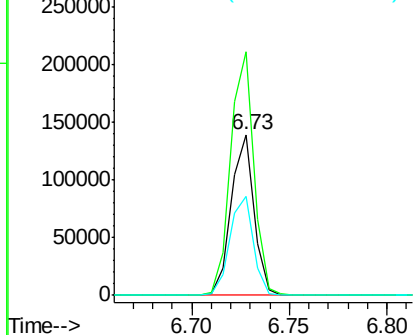
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112814
Ion Ratio Lower Upper
152 100
150 151.6 126.2 189.2
115 61.9 52.2 78.2



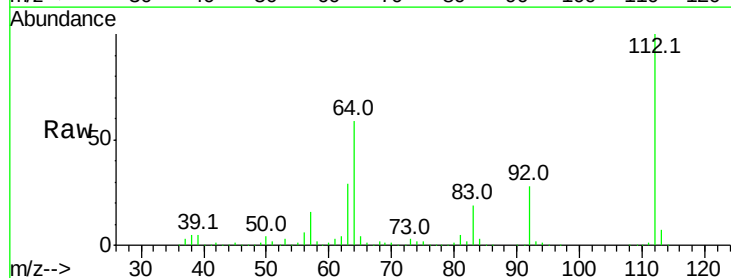
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



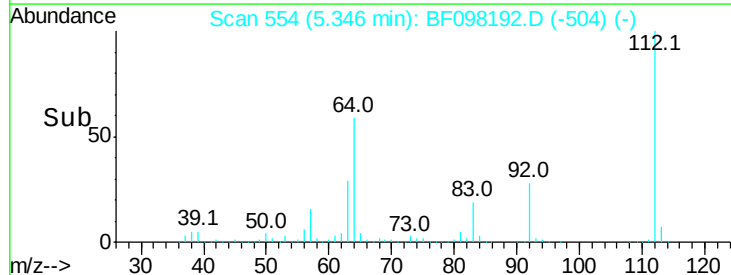
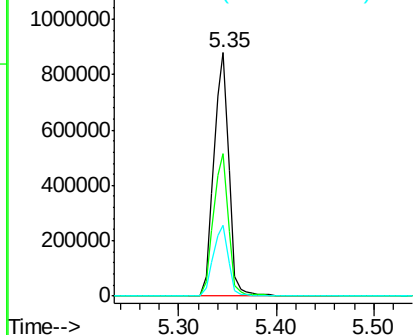
#5

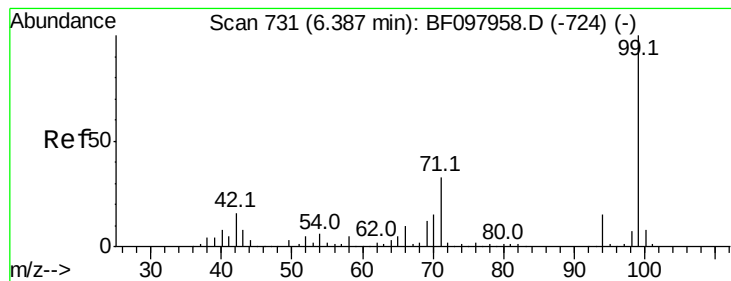
2-Fluorophenol
Concen: 126.325 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion:112 Resp: 936917
Ion Ratio Lower Upper
112 100
64 58.6 46.0 69.0
63 29.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.503 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

Instrument :

BNA_F

ClientSampled :

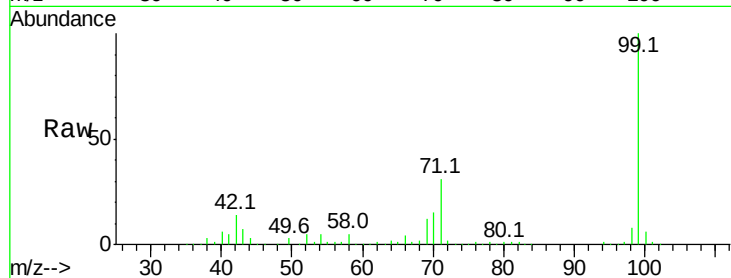
Tot Ion: 99 Resp: 1244568

Ion	Ratio	Lower	Upper
99	100		
42	14.2	13.5	20.3
71	31.3	24.5	36.7

99 100

42 14.2 13.5 20.3

71 31.3 24.5 36.7

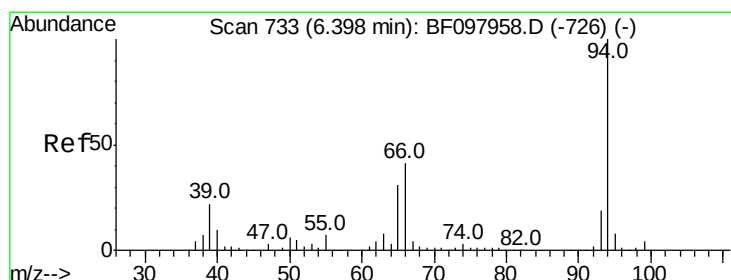
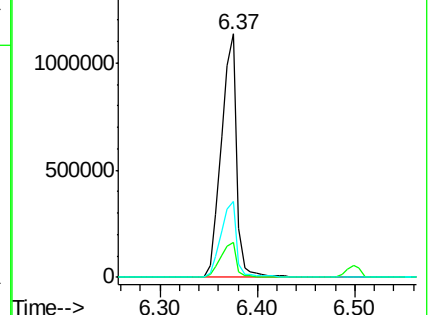
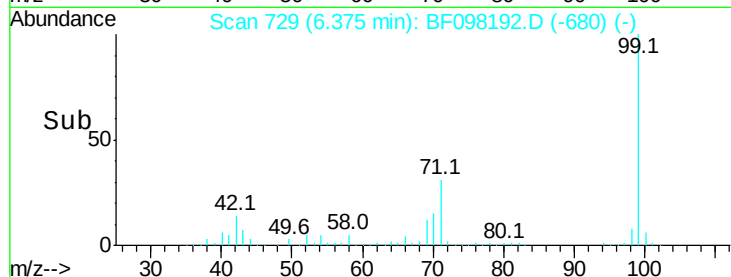


Abundance

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: 3.891 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

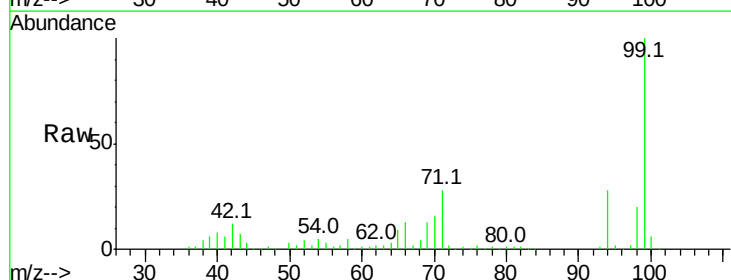
Tgt Ion: 94 Resp: 45862

Ion	Ratio	Lower	Upper
94	100		
65	30.9	9.9	49.9
66	46.7	23.1	63.1

94 100

65 30.9 9.9 49.9

66 46.7 23.1 63.1

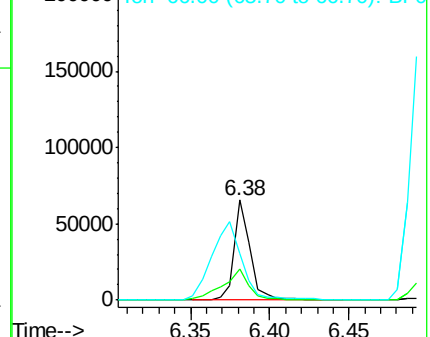
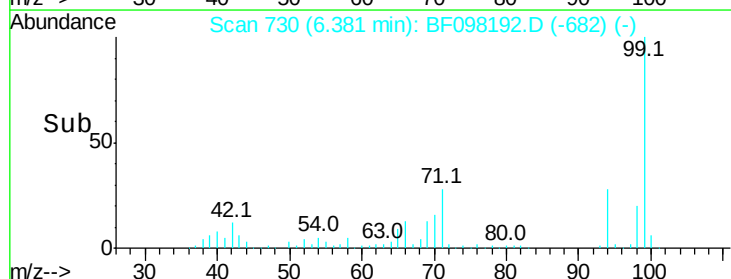


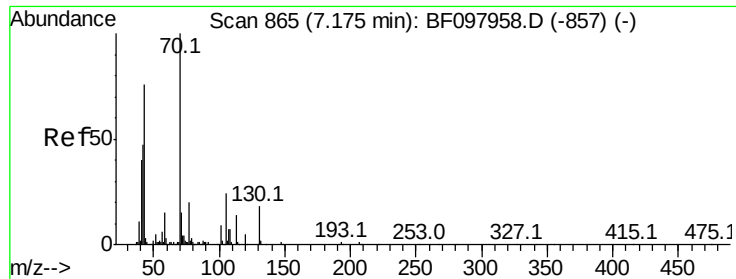
Abundance

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

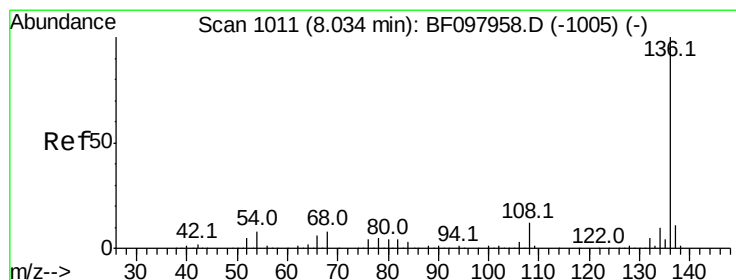
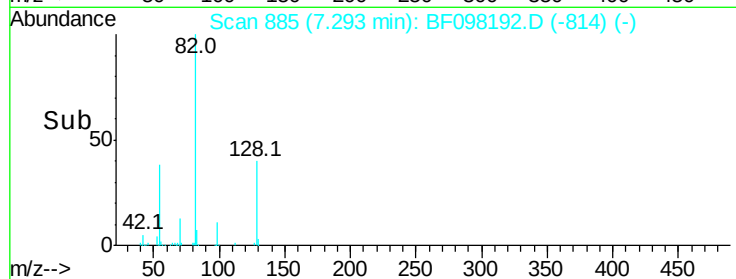
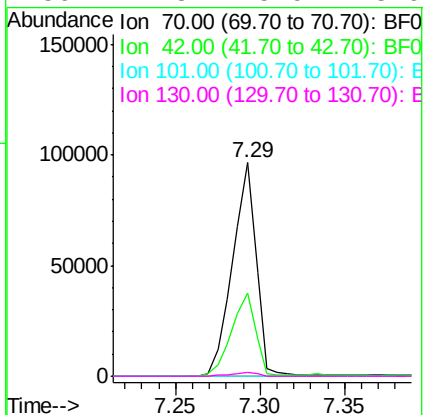
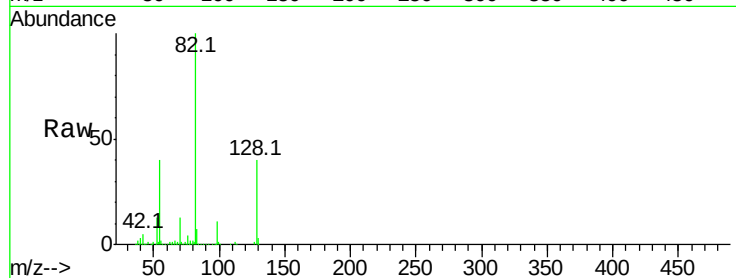




#19
n-Nitroso-di-n-propylamine
Concen: 13.773 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.12 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

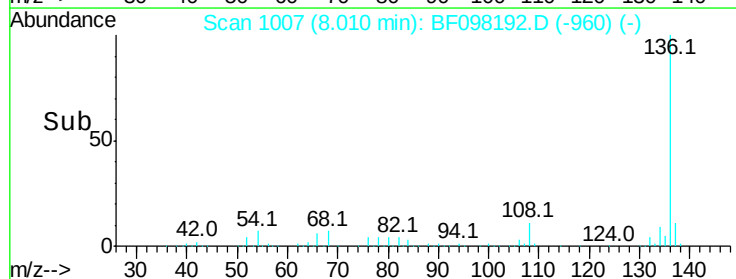
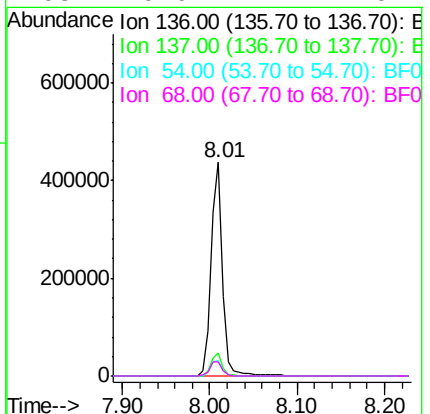
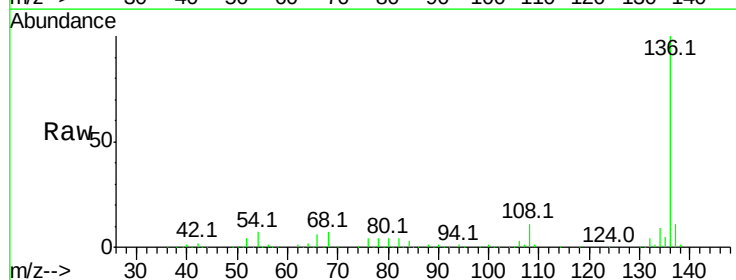
Instrument :
BNA_F
ClientSampleId :

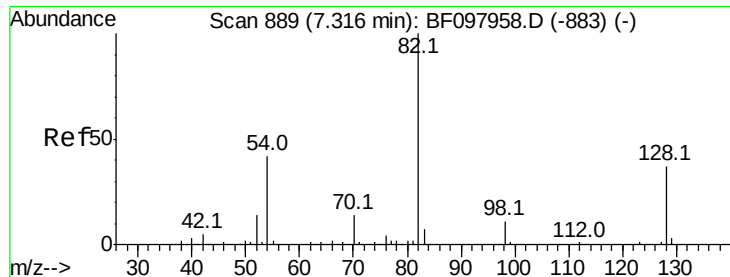
Tot Ion:	70	Resp:	95014
Ion	Ratio	Lower	Upper
70	100		
42	39.2	47.2	70.8#
101	0.0	7.2	10.8#
130	1.8	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion:	136	Resp:	395912
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.2	4.9	7.3
68	6.6	4.1	6.1#

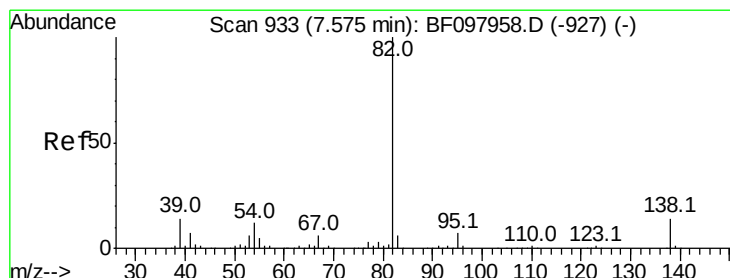
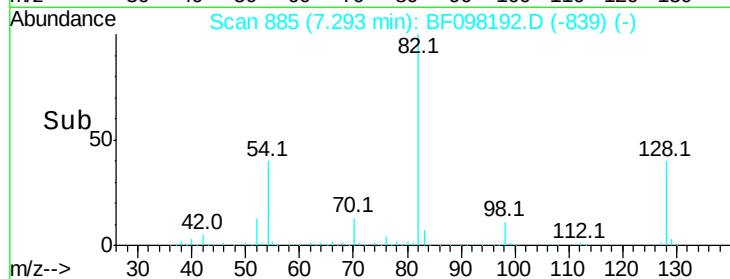
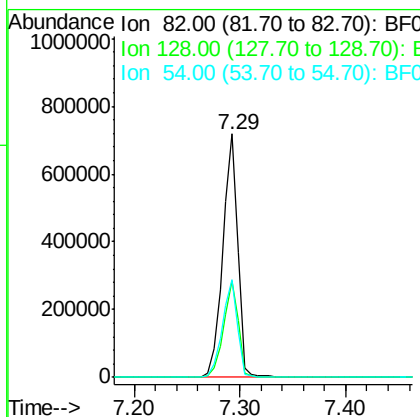
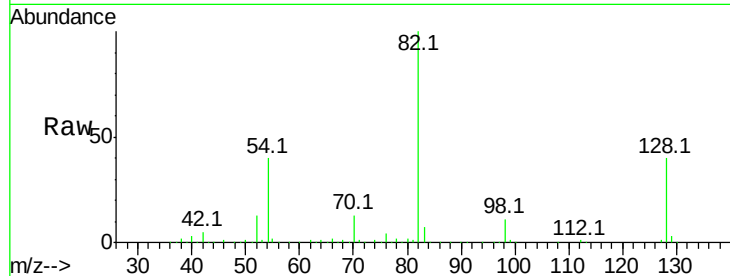




#23
 Nitrobenzene-d5
 Concen: 98.543 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

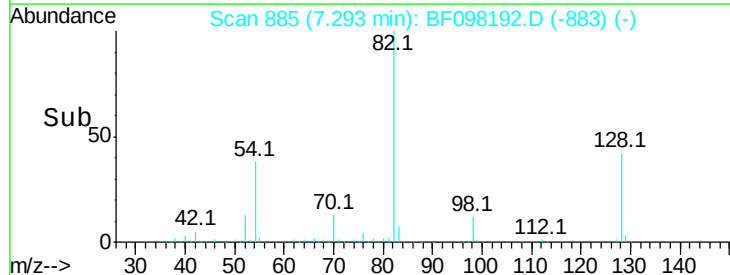
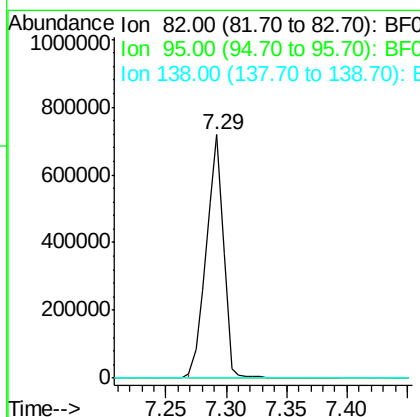
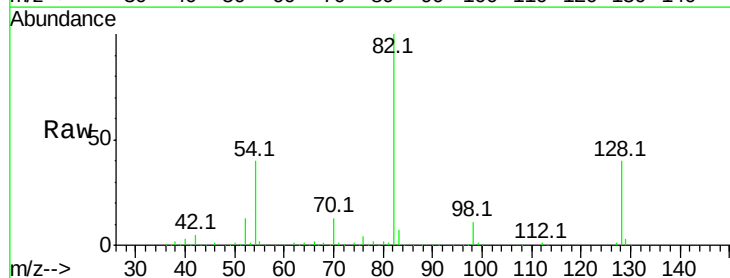
Instrument :
 BNA_F
 ClientSampled :

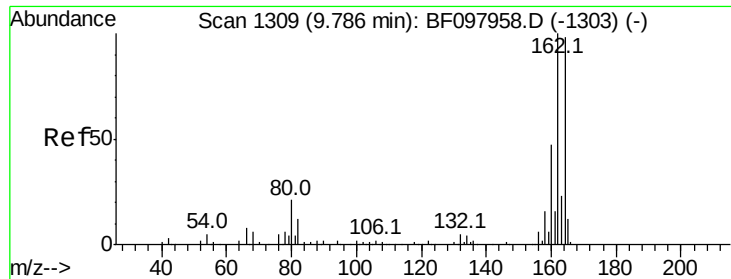
Tot Ion	82	Resp	718169
Ion Ratio	Lower	Upper	
82	100		
128	39.6	34.0	51.0
54	40.2	42.2	63.2#



#25
 Isophorone
 Concen: 46.501 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.29 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Tgt Ion	82	Resp	704688
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

Instrument :

BNA_F

ClientSampleId :

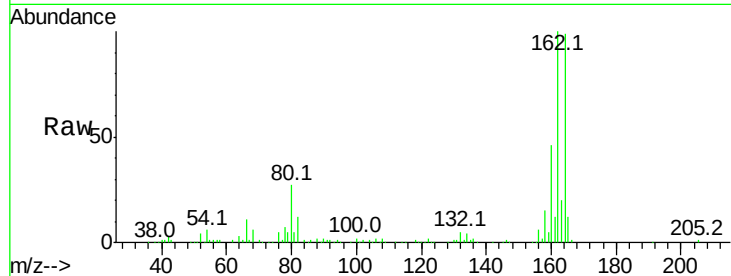
Tot Ion:164 Resp: 143918

Ion Ratio Lower Upper

164 100

162 101.0 82.6 123.8

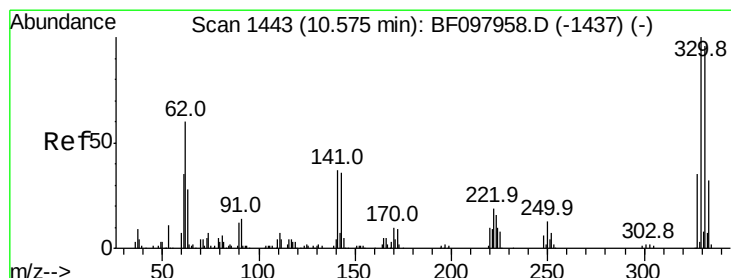
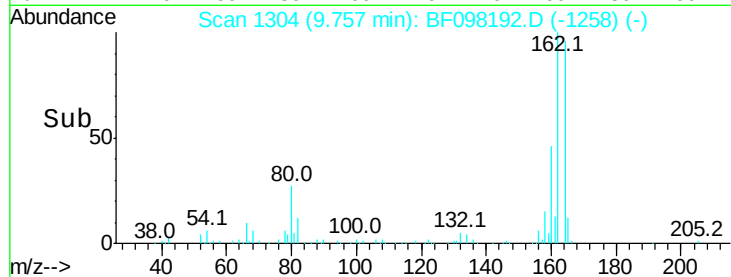
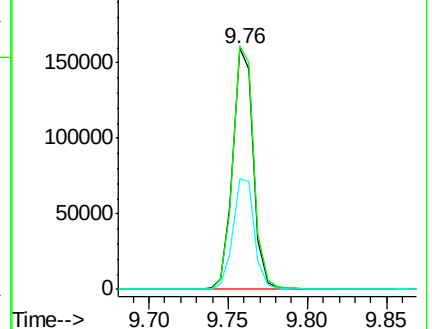
160 46.1 36.2 54.2



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: 125.875 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

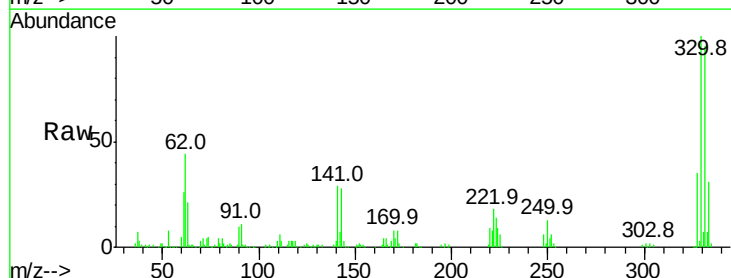
Tgt Ion:330 Resp: 157183

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

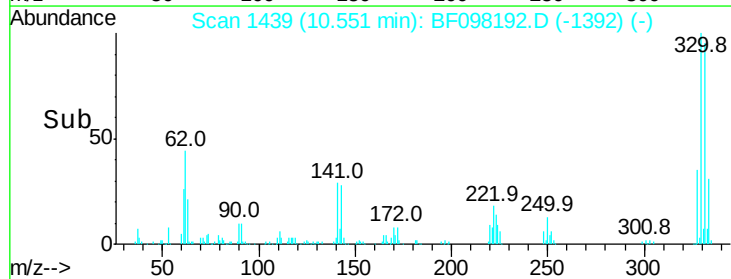
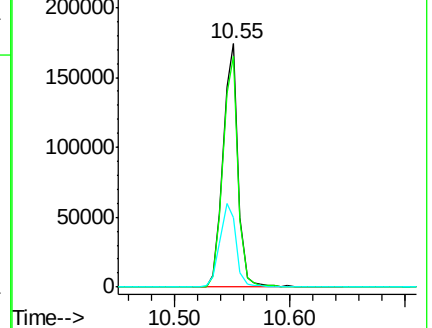
141 37.6 31.4 47.2

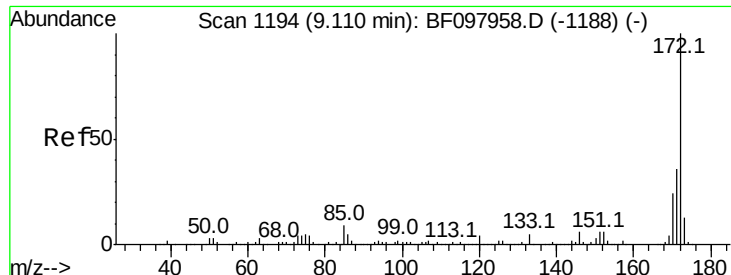


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

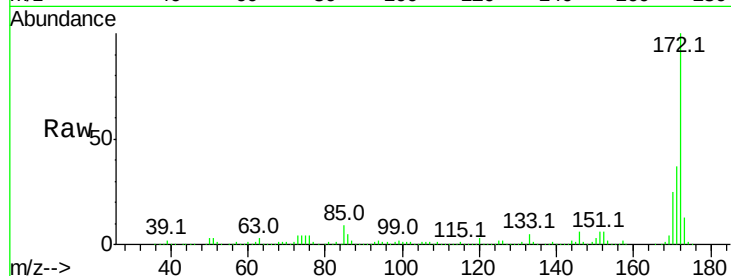




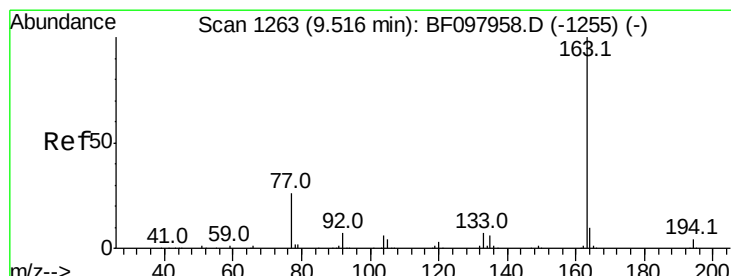
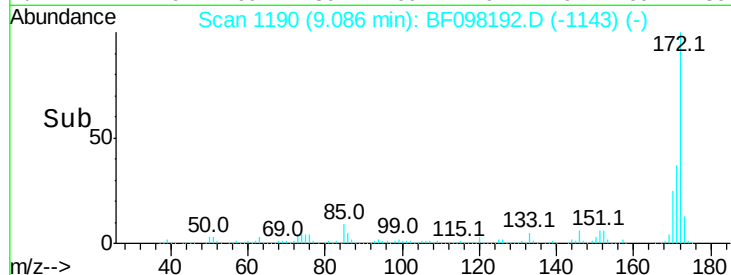
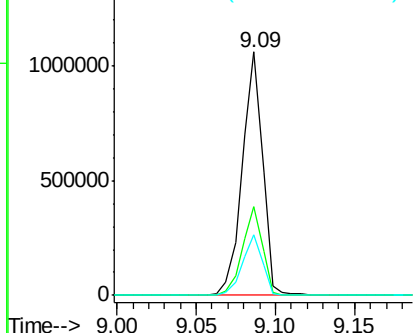
#44
2-Fluorobiphenyl
Concen: 96.288 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.6	19.8	29.8

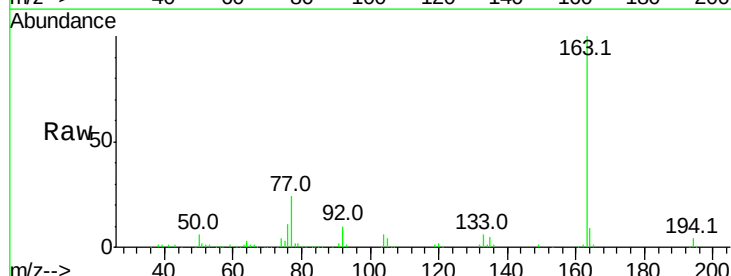


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

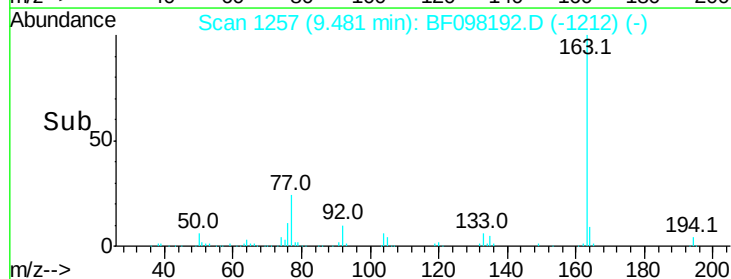
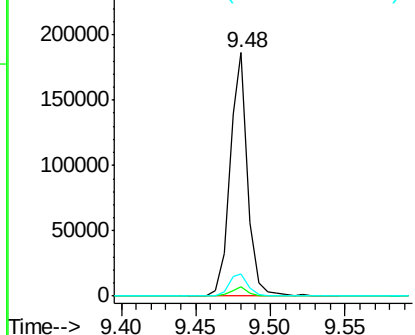


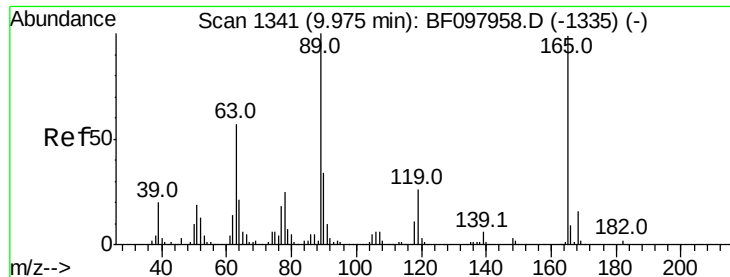
#49
Dimethylphthalate
Concen: 14.702 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.3	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: 7.033 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.22 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 18534

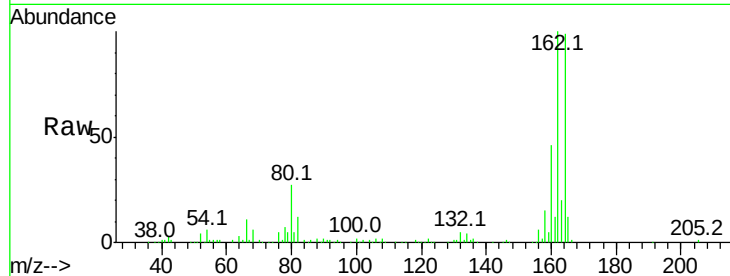
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.8 46.4 69.6#

182 0.0 1.8 2.6#

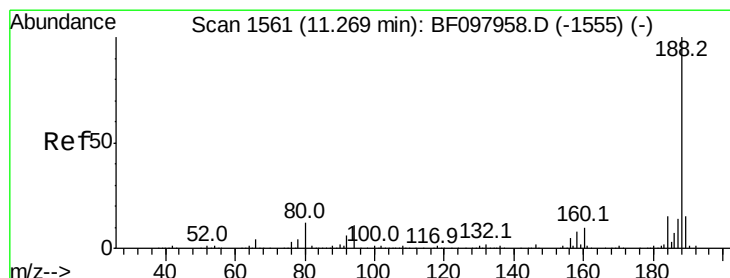
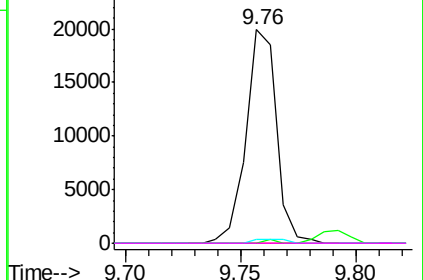
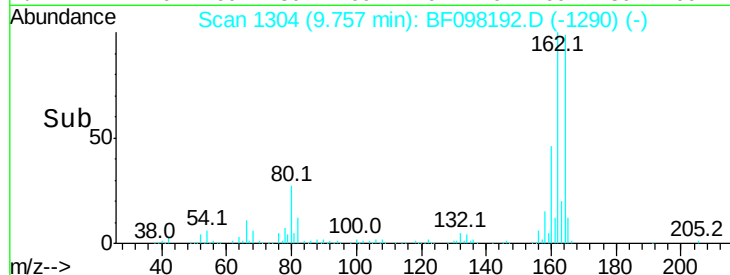


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.24 min Scan# 1556

Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

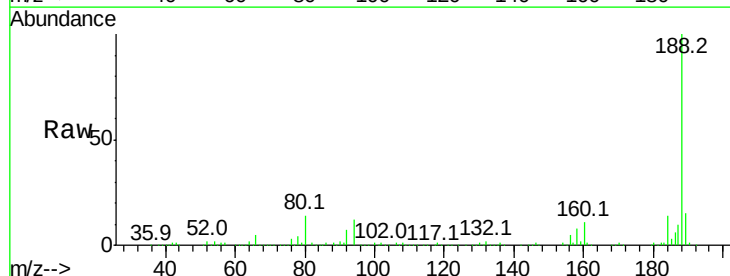
Tgt Ion:188 Resp: 240435

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.2

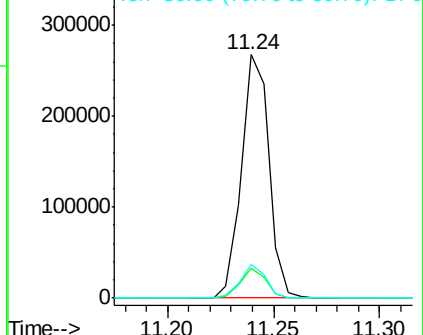
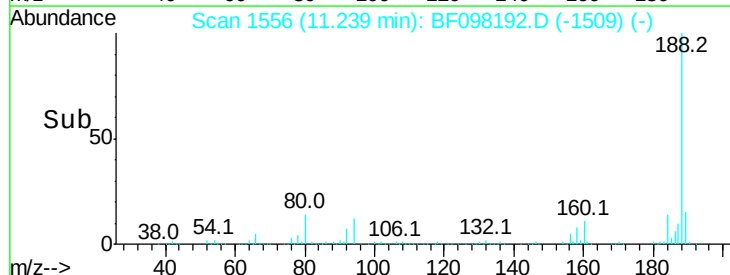
80 13.7 10.2 15.2

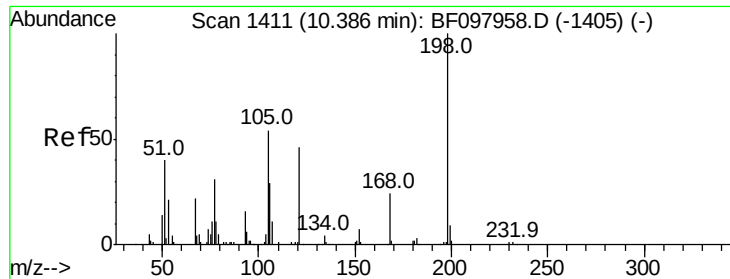


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

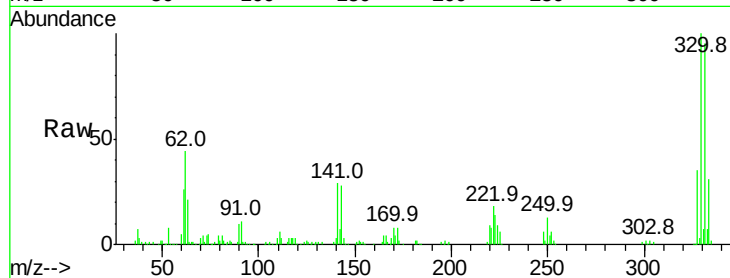




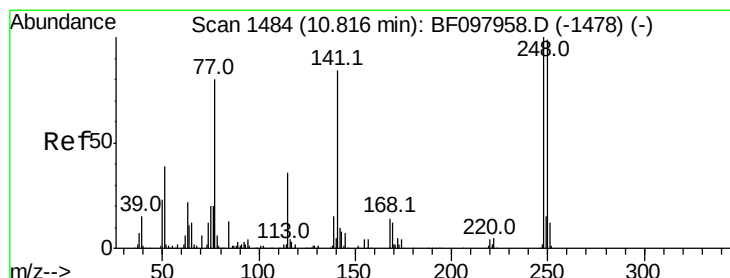
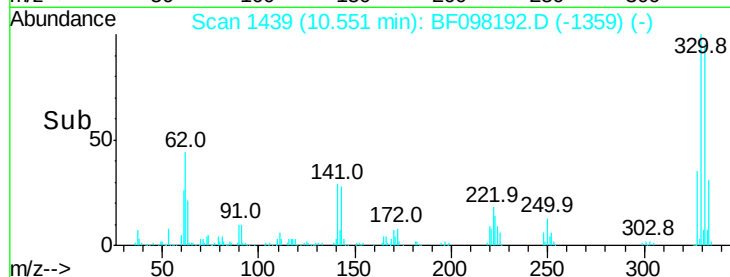
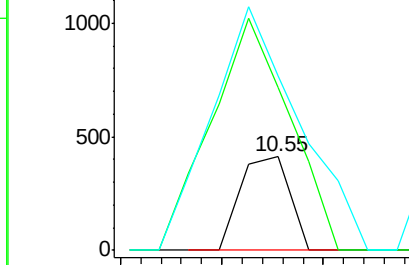
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.524 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.17 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	174.9	53.2	93.2#
105	187.3	45.8	85.8#

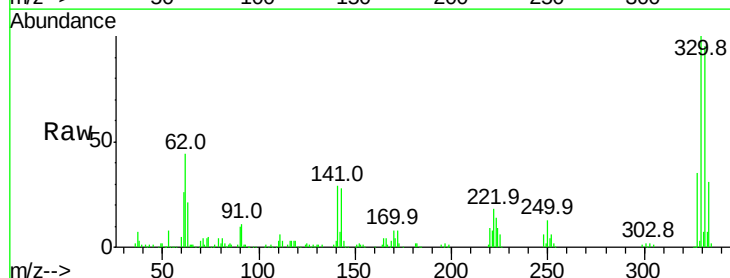


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

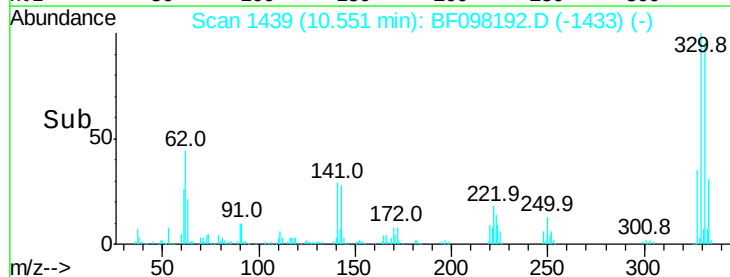
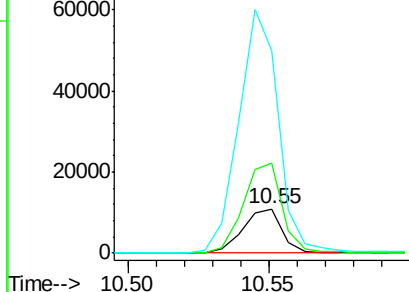


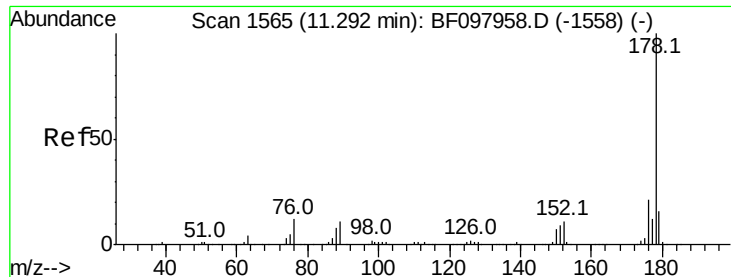
#66
 4-Bromophenyl-phenylether
 Concen: 4.178 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.26 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.9	76.8	115.2#
141	455.0	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

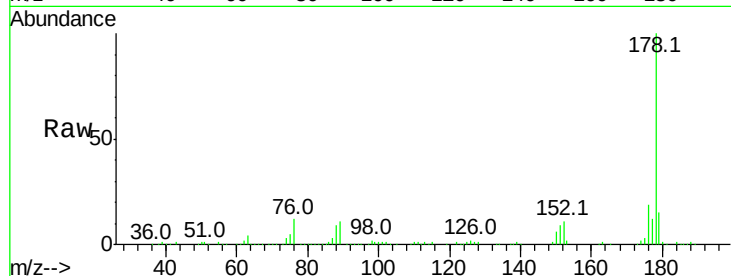




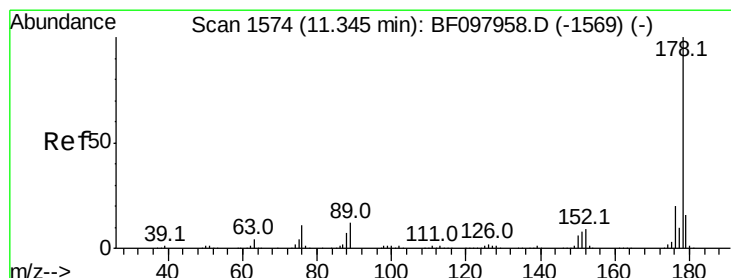
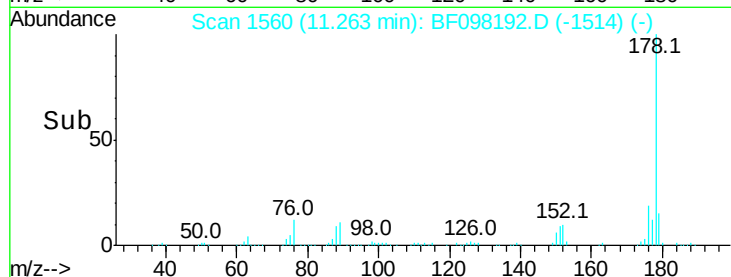
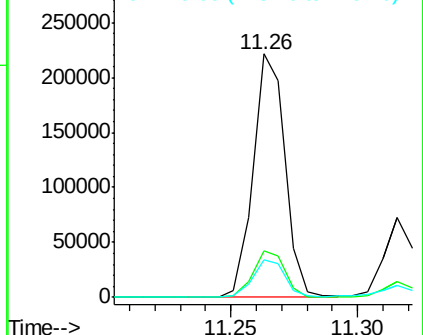
#70
 Phenanthrene
 Concen: 15.148 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.03 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 194078
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.4 12.6 19.0

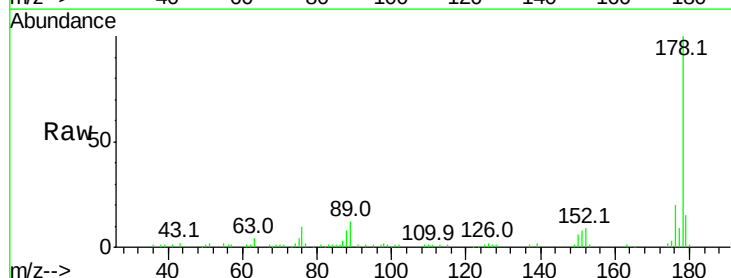


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

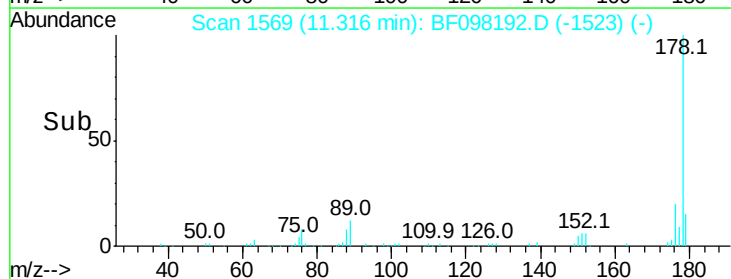
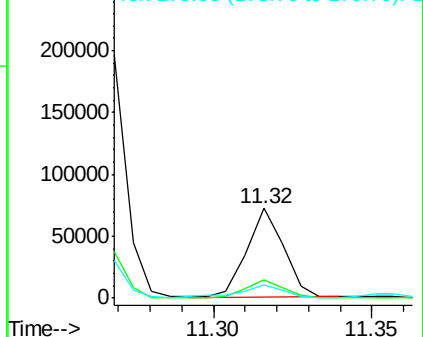


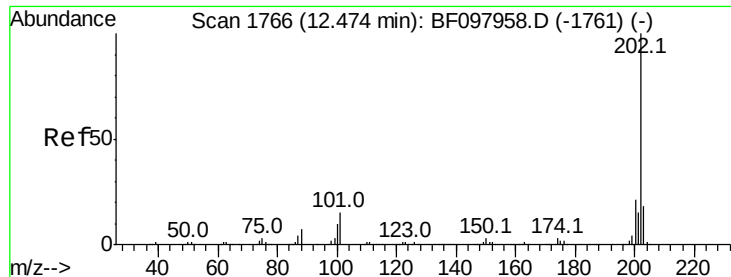
#71
 Anthracene
 Concen: 4.482 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.03 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Tgt Ion:178 Resp: 58246
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.8 23.8
 179 15.2 12.7 19.1



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: 32.884 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

Instrument :

BNA_F

ClientSampleId :

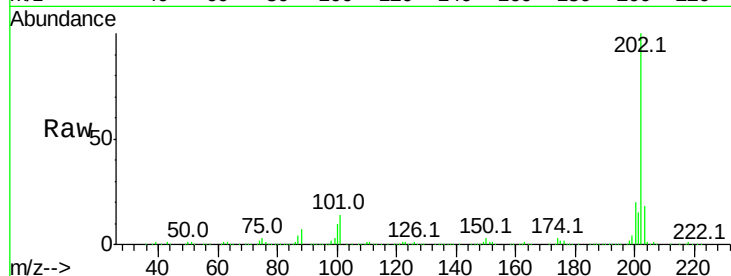
Tot Ion:202 Resp: 439754

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

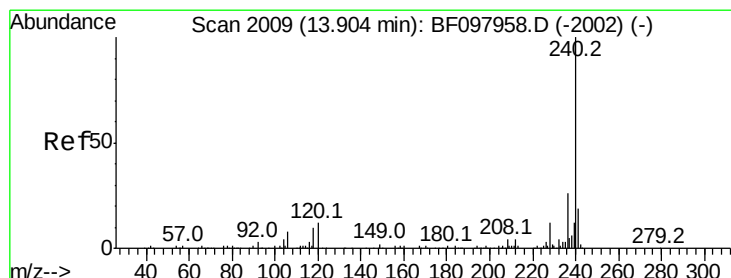
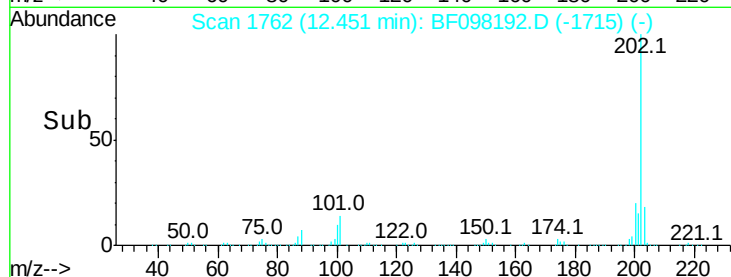
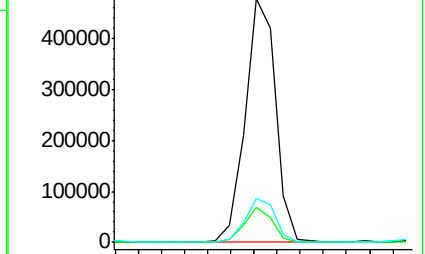
203 18.0 0.0 38.1



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: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

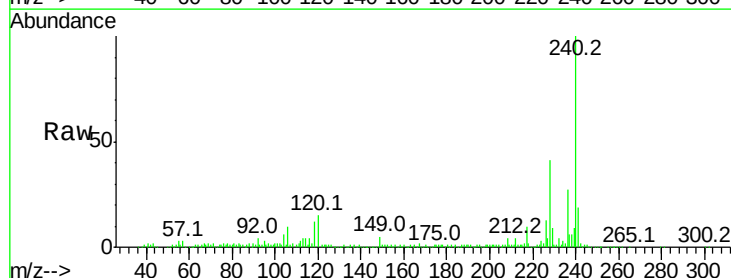
Tgt Ion:240 Resp: 207409

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

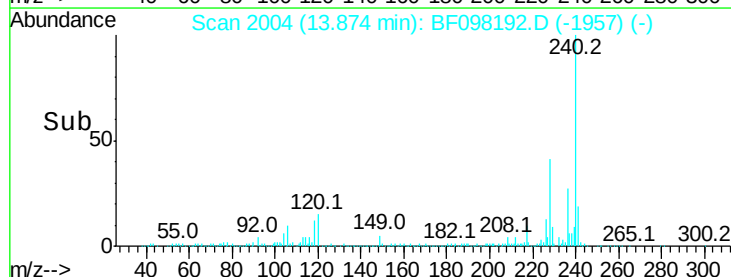
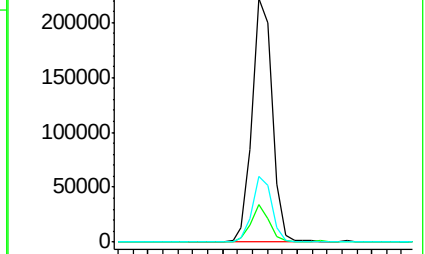
236 26.8 20.5 30.7

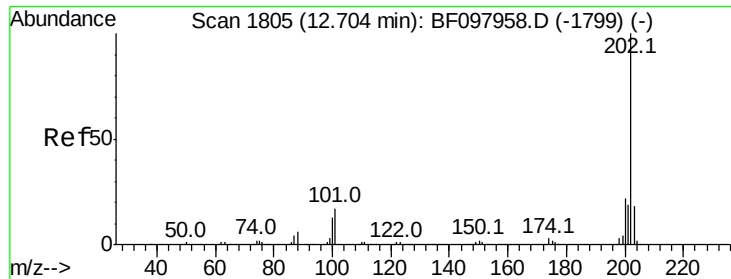


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

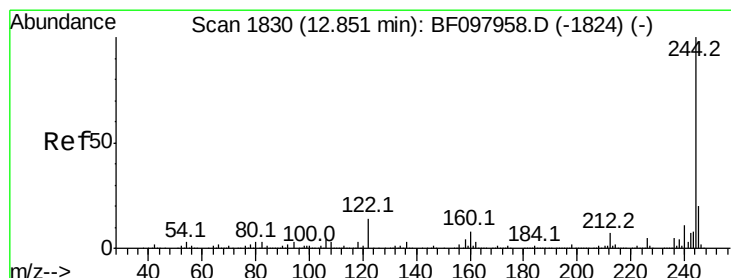
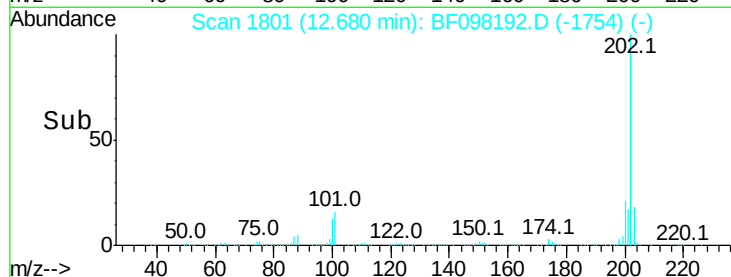
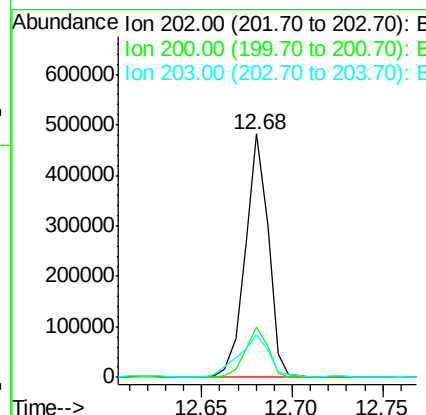
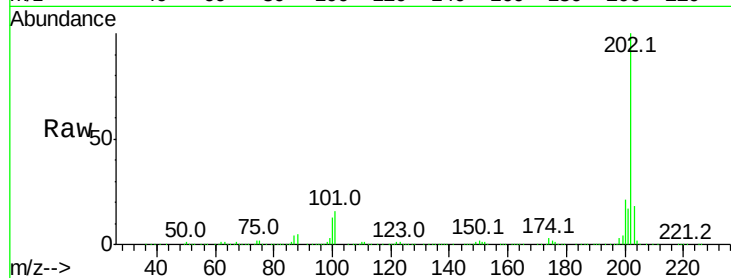




#77
Pvrene
Concen: 25.136 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

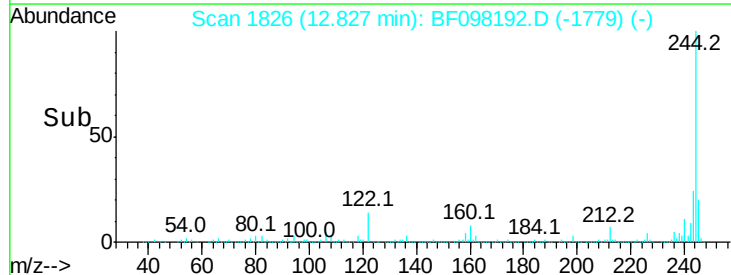
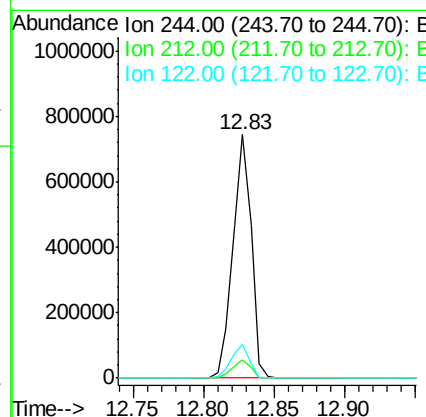
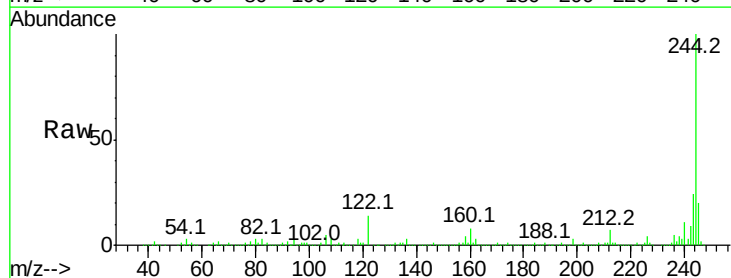
Instrument :
BNA_F
ClientSampleId :

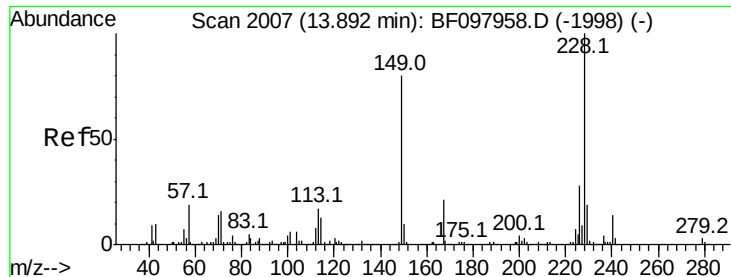
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	17.7	14.4	21.6



#78
Terphenyl-d14
Concen: 67.388 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.6	10.3	15.5

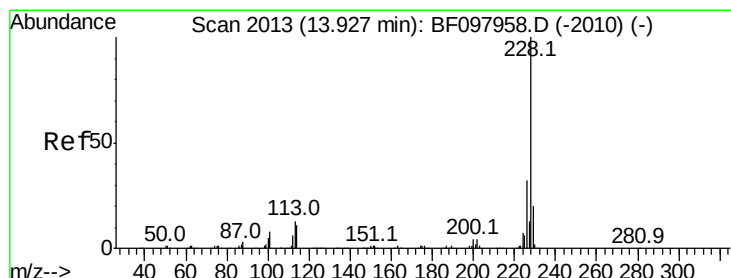
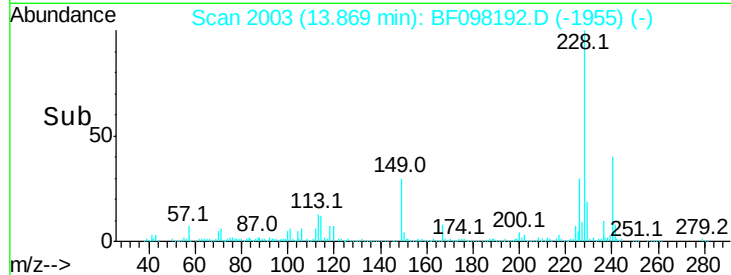
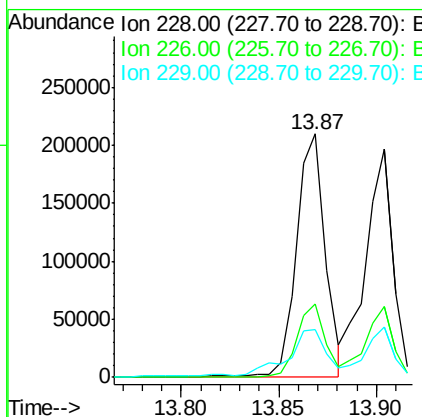
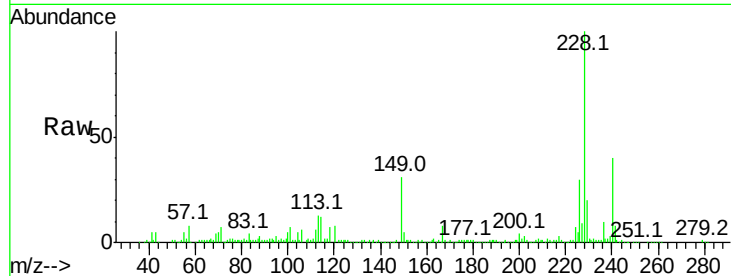




#80
Benzo(a)anthracene
Concen: 17.053 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

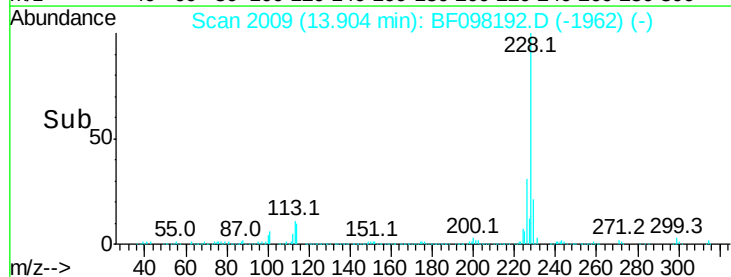
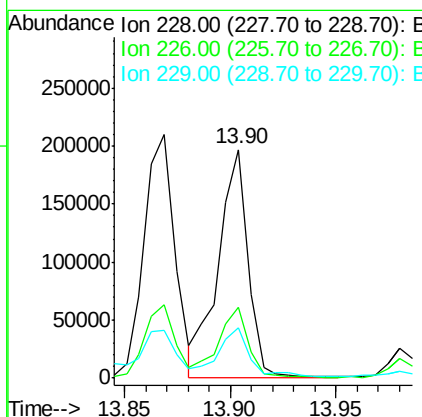
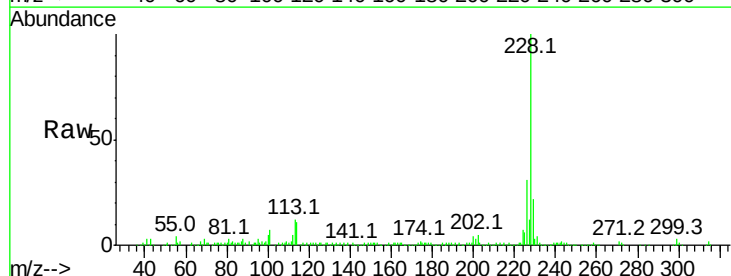
Instrument :
BNA_F
ClientSampled :

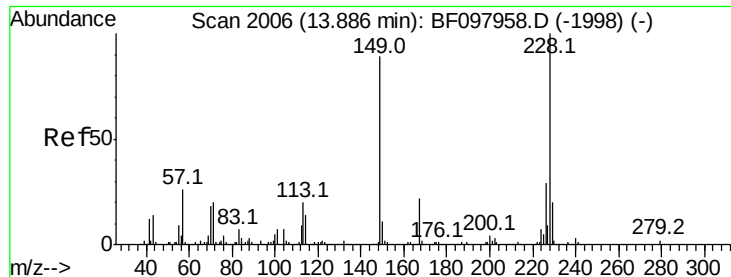
Tot Ion:228 Resp: 211979
Ion Ratio Lower Upper
228 100
226 30.2 22.6 33.8
229 19.6 16.3 24.5



#82
Chrysene
Concen: 15.519 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion:228 Resp: 191904
Ion Ratio Lower Upper
228 100
226 30.9 24.9 37.3
229 21.9 15.8 23.6

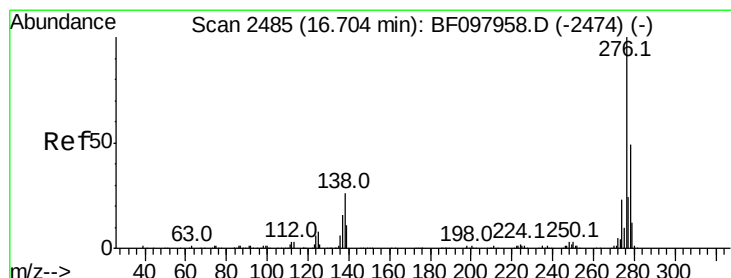
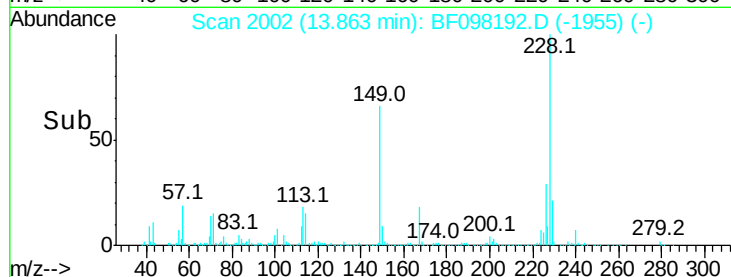
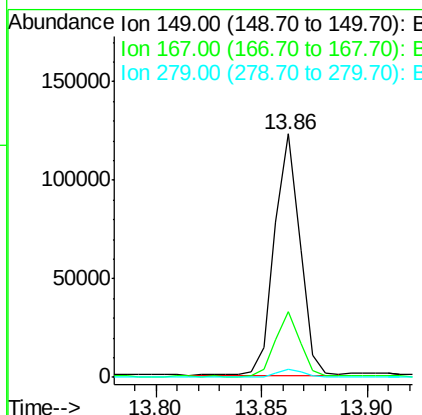
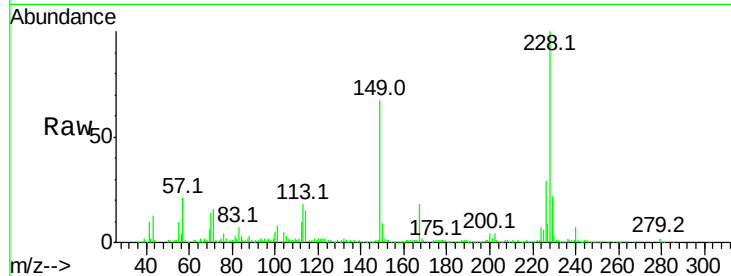




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 14.244 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.02 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

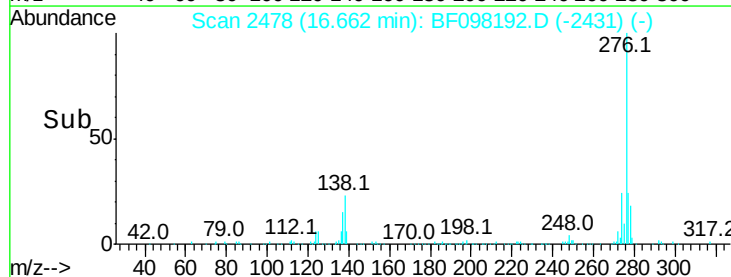
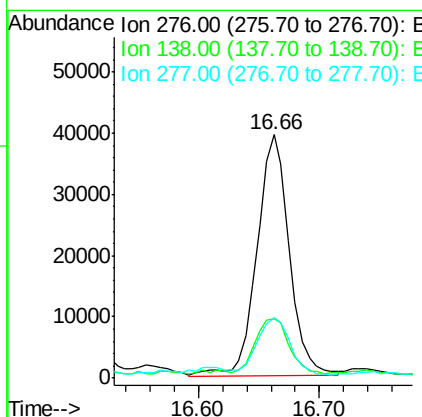
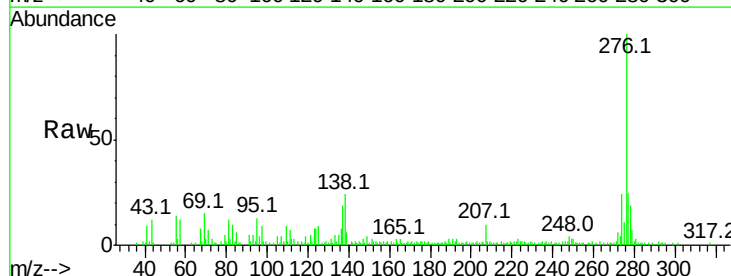
Instrument :
 BNA_F
 ClientSampleId :

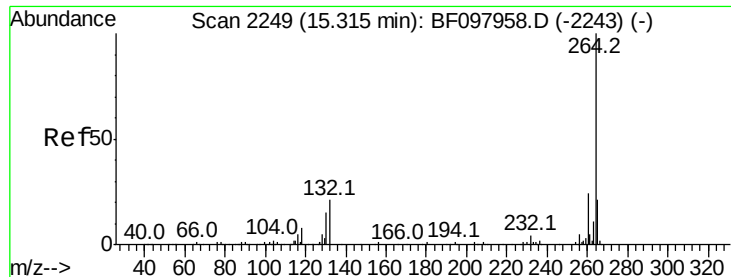
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.0	31.4
279	3.1	1.9	2.9#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.083 ng
 RT: 16.66 min Scan# 2478
 Delta R.T. -0.02 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	27.8	41.6#
277	24.0	20.2	30.4

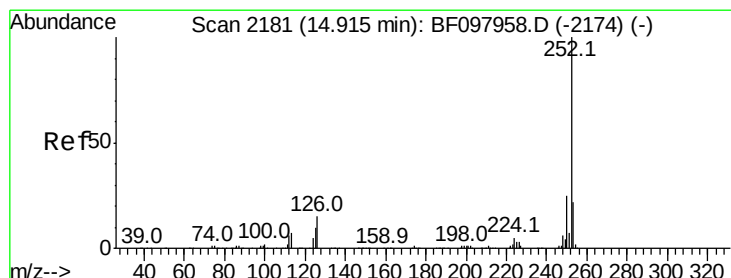
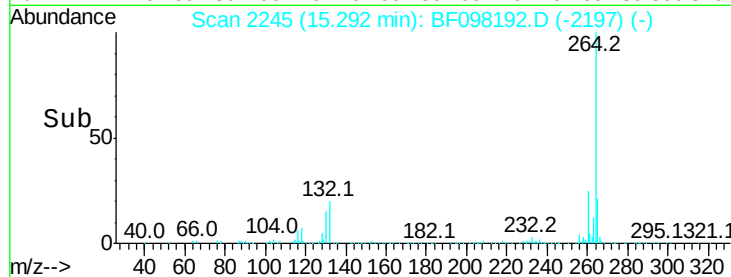
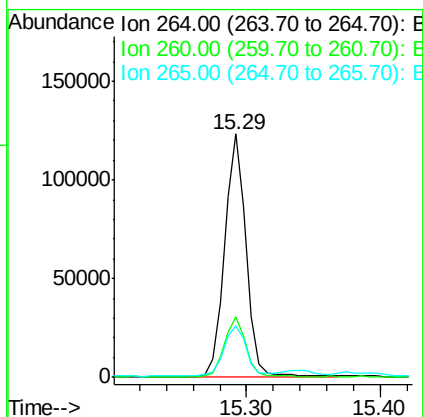
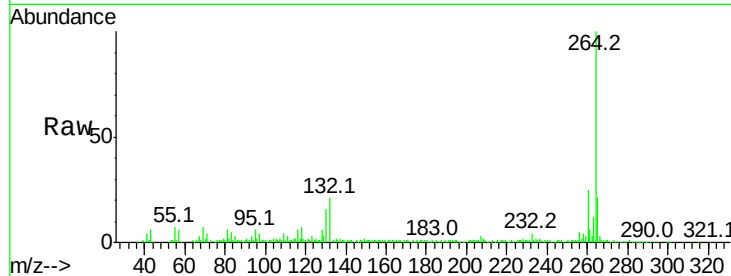




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

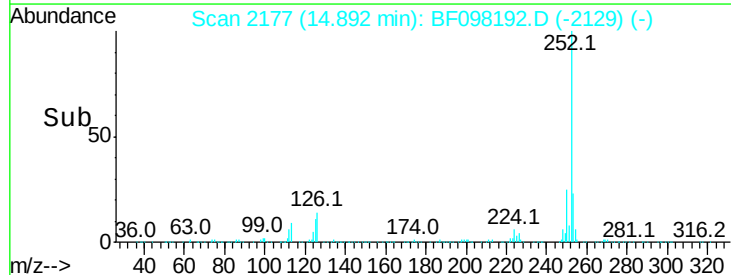
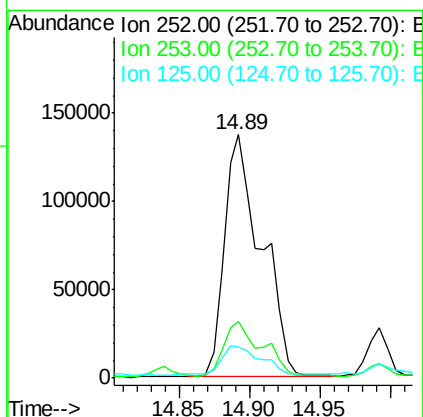
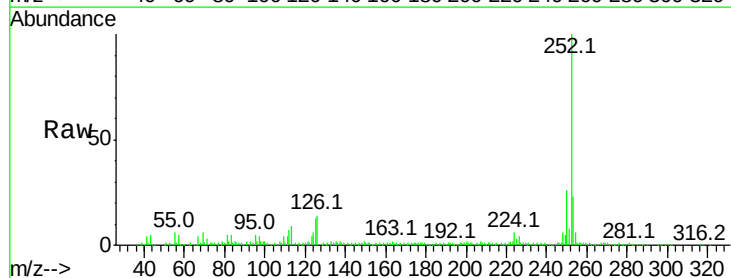
Instrument :
BNA_F
ClientSampleId :

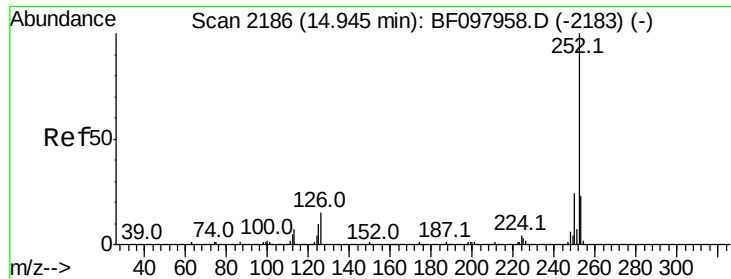
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	21.3	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 28.687 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	12.7	9.8	14.8

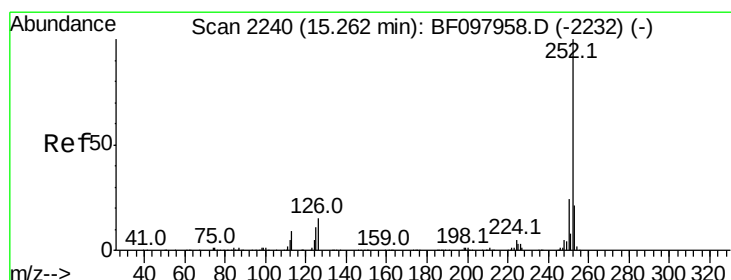
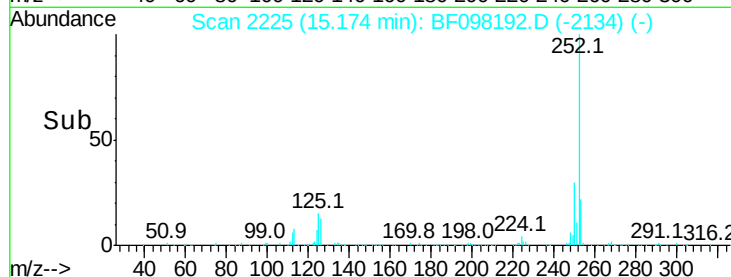
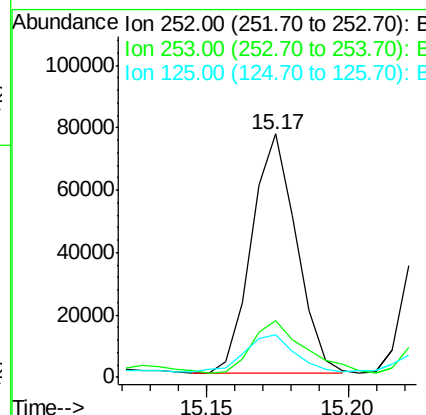
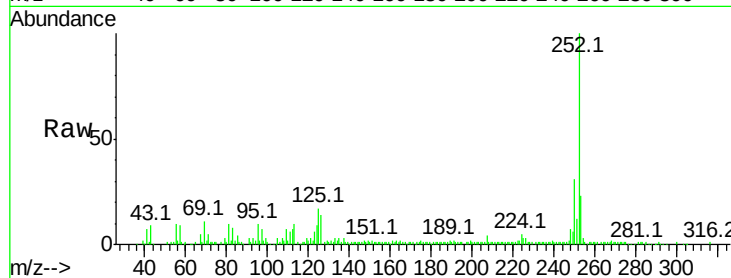




#88
Benzo(k)fluoranthene
Concen: 10.299 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.24 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

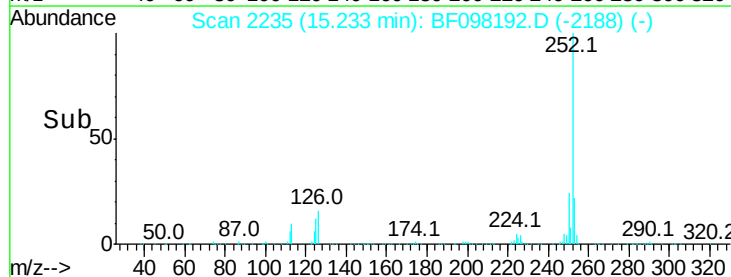
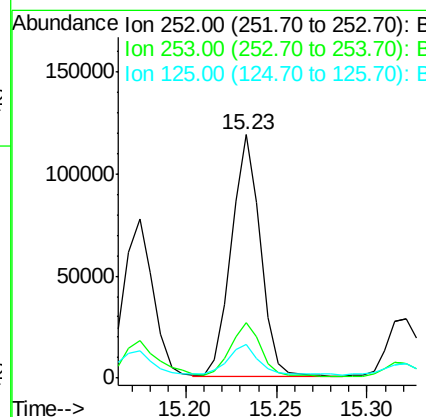
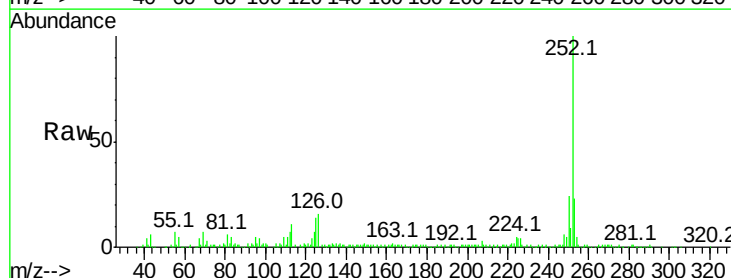
Instrument :
BNA_F
ClientSampleId :

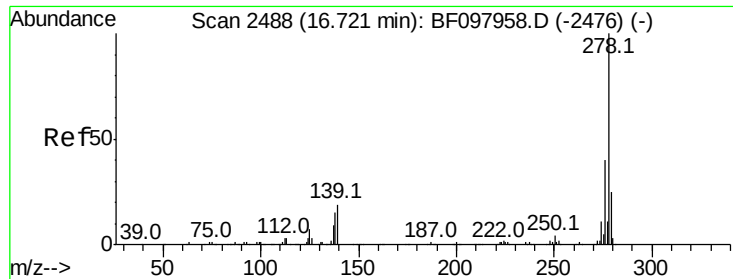
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	17.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 17.120 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	13.9	11.0	16.4

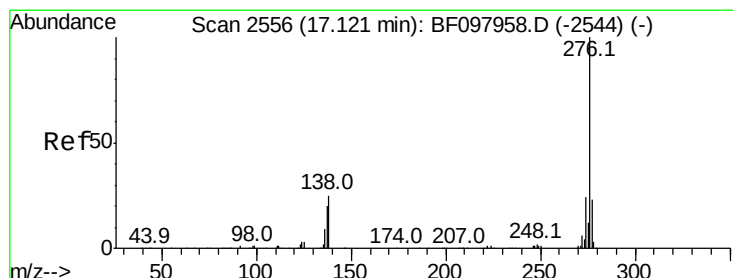
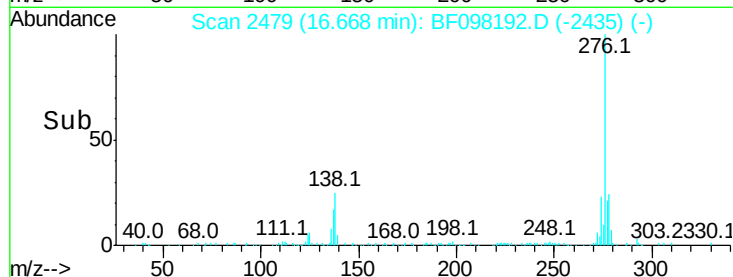
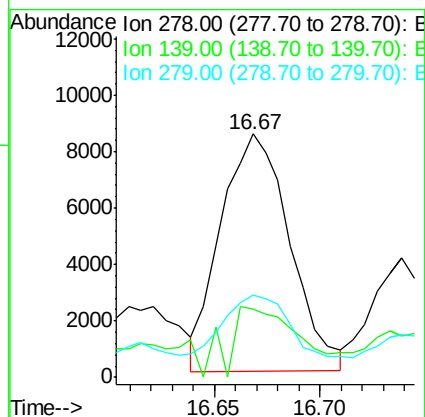
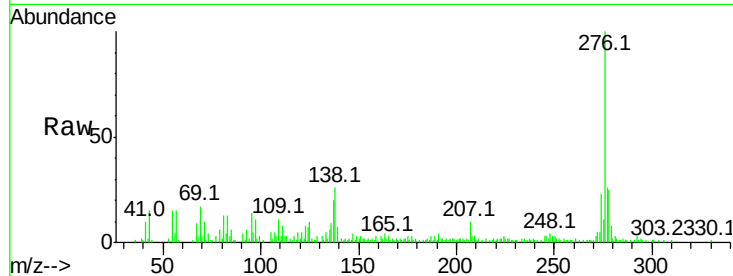




#90
Dibenzo(a,h)anthracene
Concen: 3.027 ng
RT: 16.67 min Scan# 2479
Delta R.T. -0.04 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.0	16.6	24.8#
279	34.0	19.3	28.9#



#91
Benzo(g,h,i)perylene
Concen: 10.213 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.04 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	28.2	25.4	38.0

