

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098805.D
 Acq On : 26 Sep 2017 1:49
 Operator : SJ/JU
 Sample : I5362-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

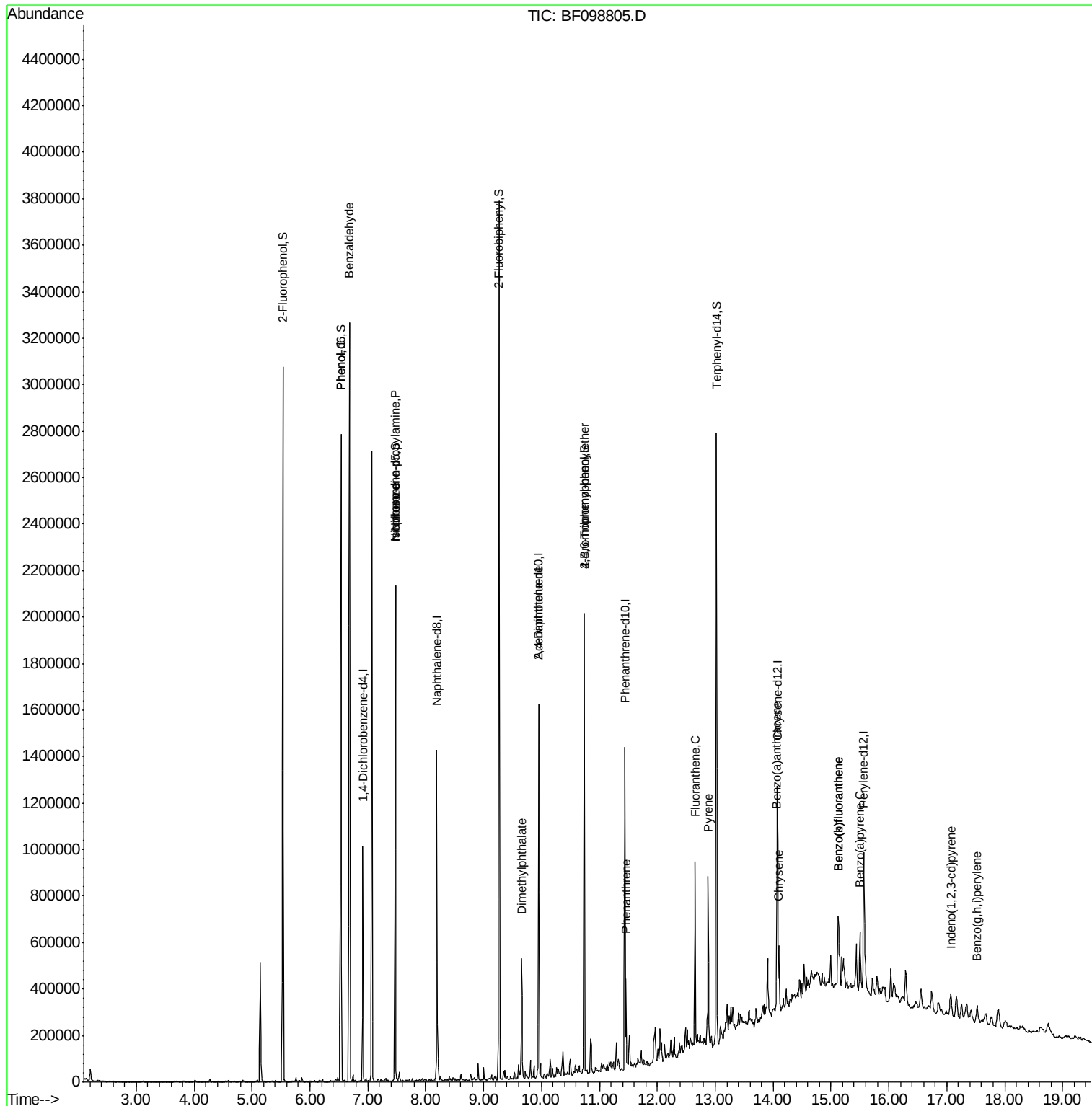
Quant Time: Sep 26 05:23:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	148106	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	623705	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	279993	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	458462	20.00	ng	0.00
75) Chrysene-d12	14.07	240	264839	20.00	ng	-0.01
86) Perylene-d12	15.57	264	260577	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	904938	97.27	ng	0.00
7) Phenol-d6	6.54	99	1107894	96.53	ng	0.00
23) Nitrobenzene-d5	7.47	82	680298	69.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	210485	91.87	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1167195	69.59	ng	-0.01
78) Terphenyl-d14	13.02	244	778976	66.89	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.68	77	20089	3.017	ng	Qvalue 81
10) Phenol	6.55	94	31688	2.469	ng	91
19) n-Nitroso-di-n-propylamine	7.47	70	89224	12.176	ng	# 77
25) Isophorone	7.47	82	680108	33.823	ng	# 64
49) Dimethylphthalate	9.66	163	173985	8.233	ng	100
56) 2,4-Dinitrotoluene	9.95	165	37055	6.206	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	14067	3.135	ng	# 1
70) Phenanthrene	11.46	178	144044	5.870	ng	98
74) Fluoranthene	12.65	202	261888	10.539	ng	99
77) Pyrene	12.88	202	256058	12.679	ng	99
80) Benzo(a)anthracene	14.06	228	121870	7.599	ng	96
82) Chrysene	14.10	228	115701	7.578	ng	96
85) Indeno(1,2,3-cd)pyrene	17.07	276	64204	5.257	ng	99
87) Benzo(b)fluoranthene	15.13	252	210816	13.158	ng	# 93
88) Benzo(k)fluoranthene	15.13	252	210816	13.322	ng	# 96
89) Benzo(a)pyrene	15.50	252	121511	8.262	ng	# 95
91) Benzo(a,h,i)perylene	17.53	276	60757	5.222	ng	95

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

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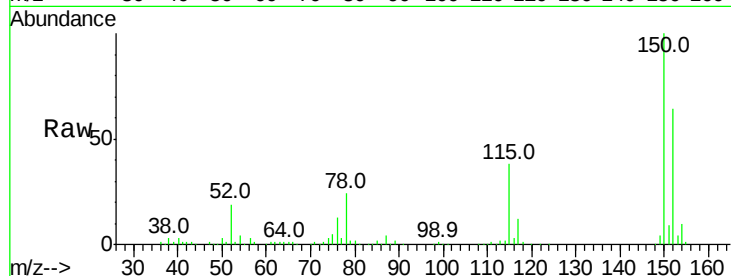


#1

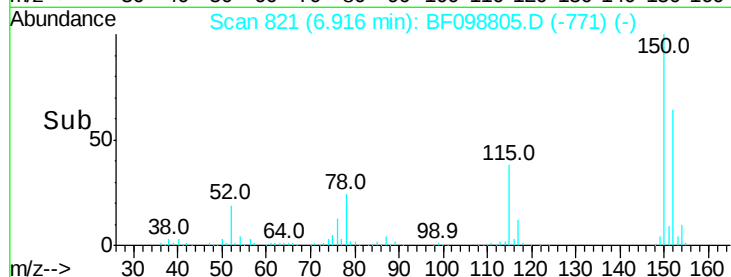
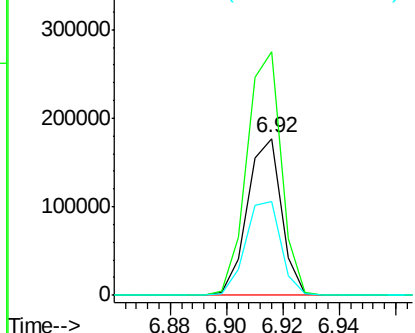
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148106
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 59.8 50.1 75.1



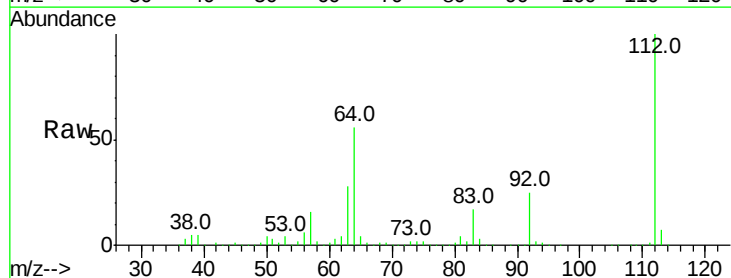
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



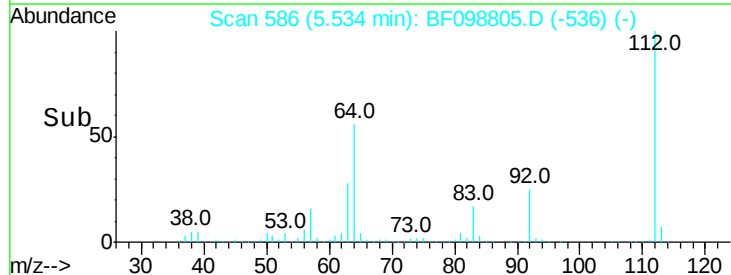
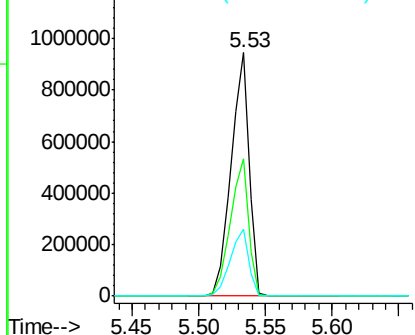
#5

2-Fluorophenol
Concen: 97.266 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

Tgt Ion:112 Resp: 904938
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 27.6 23.7 35.5



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: 96.530 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

Instrument :

BNA_F

ClientSampleId :

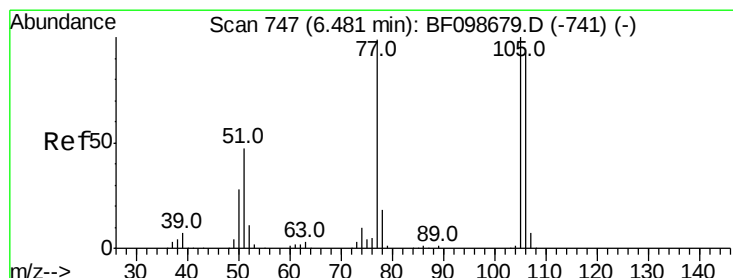
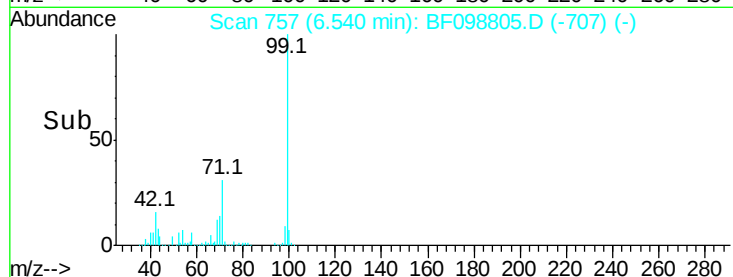
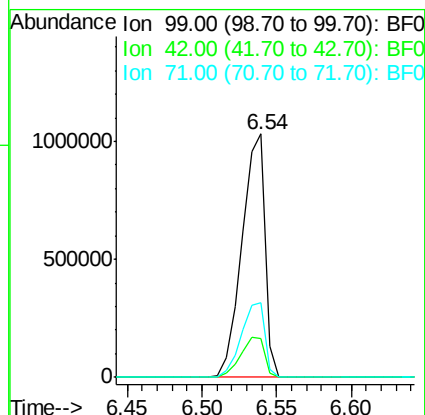
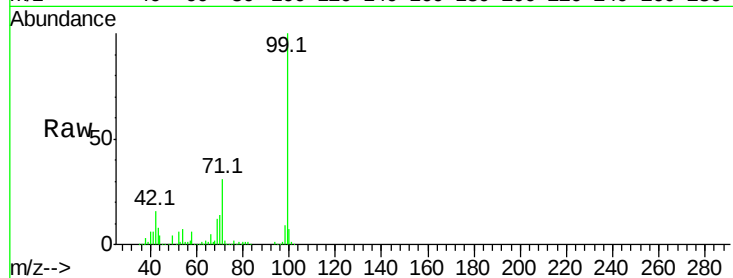
Tot Ion: 99 Resp: 1107894

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

71 30.8 25.4 38.0



#9

Benzaldehyde

Concen: 3.017 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.21 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

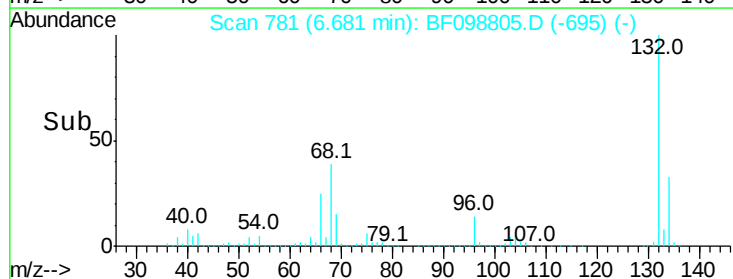
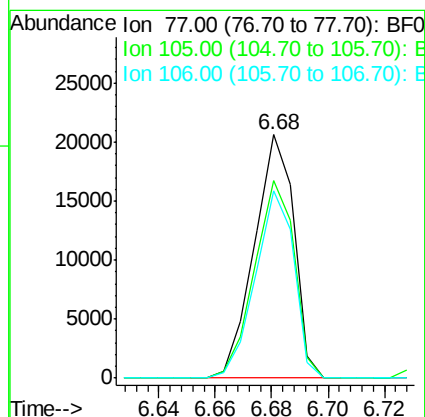
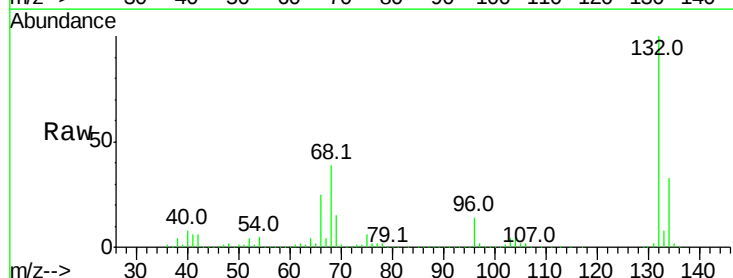
Tgt Ion: 77 Resp: 20089

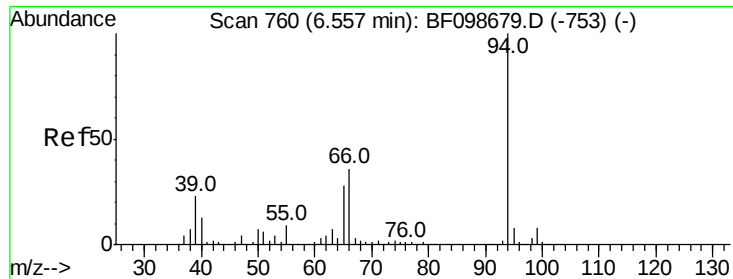
Ion Ratio Lower Upper

77 100

105 81.3 81.1 121.1

106 76.9 74.5 114.5





#10

Phenol

Concen: 2.469 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

Instrument :

BNA_F

ClientSampleId :

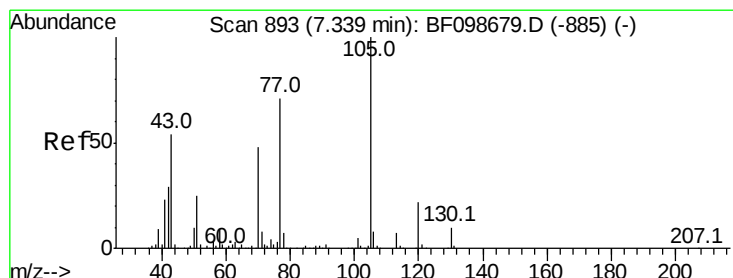
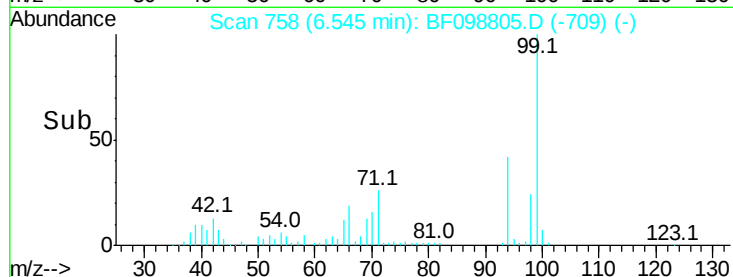
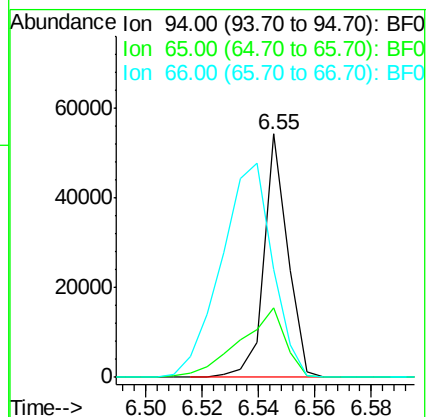
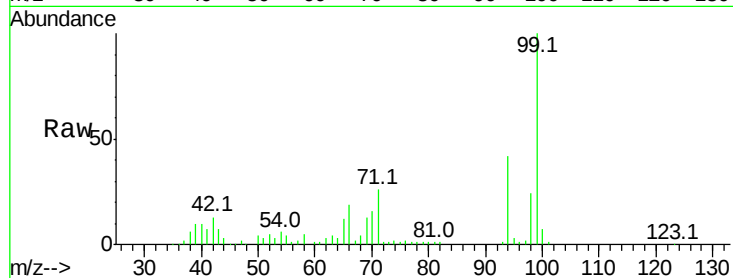
Tot Ion: 94 Resp: 31688

Ion Ratio Lower Upper

94 100

65 28.7 7.9 47.9

66 44.5 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.176 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

Tgt Ion: 70 Resp: 89224

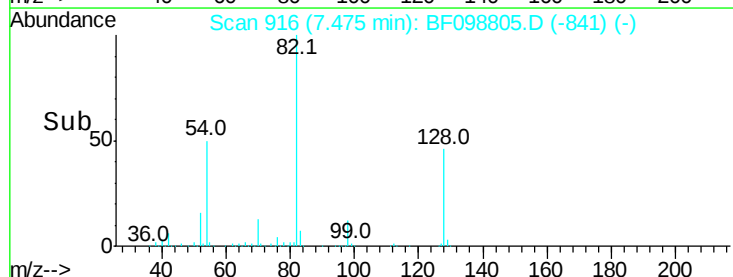
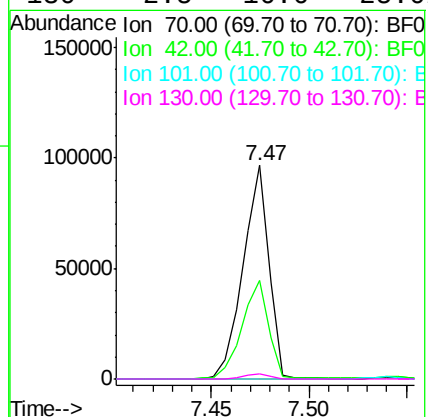
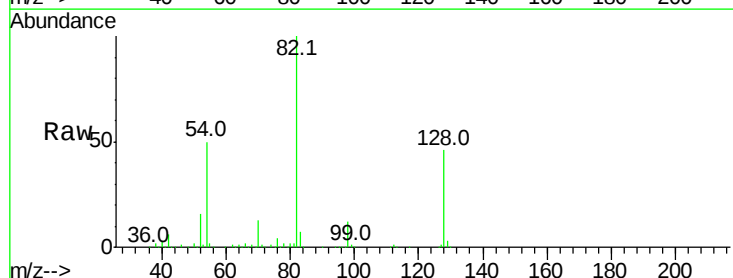
Ion Ratio Lower Upper

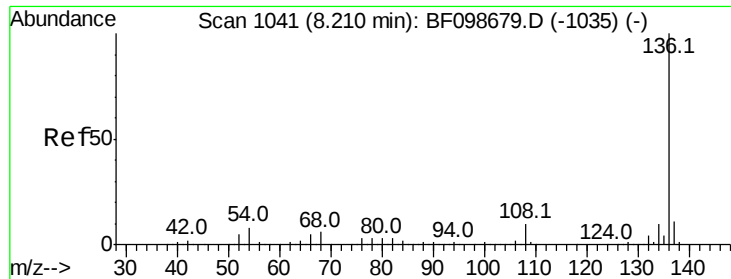
70 100

42 46.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

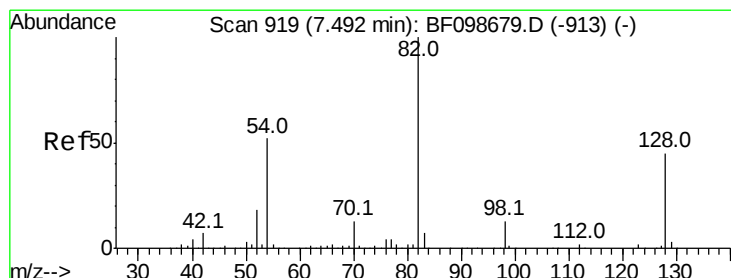
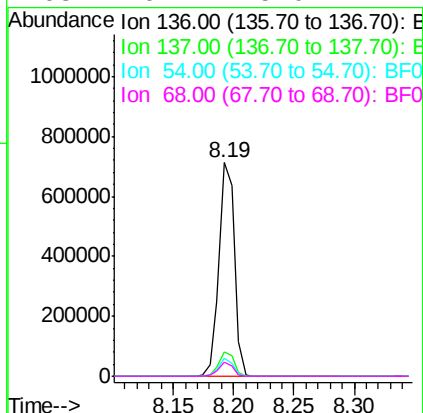
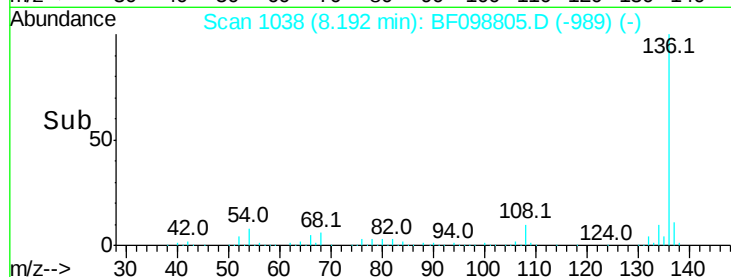
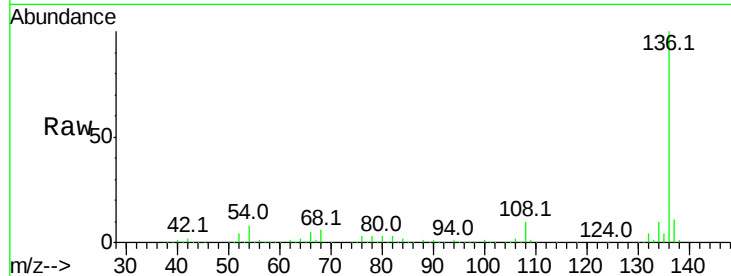




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

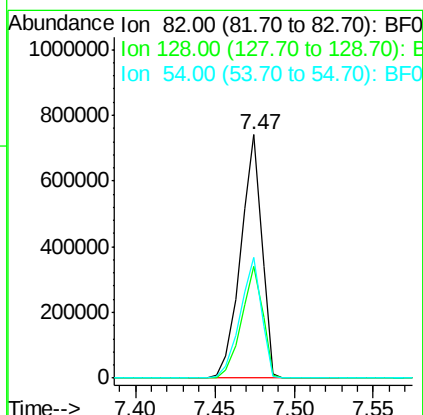
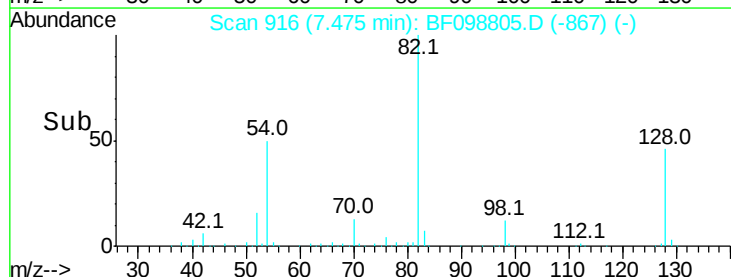
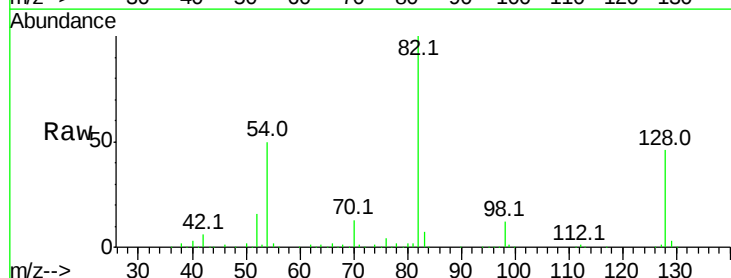
Instrument :
BNA_F
ClientSampleId :

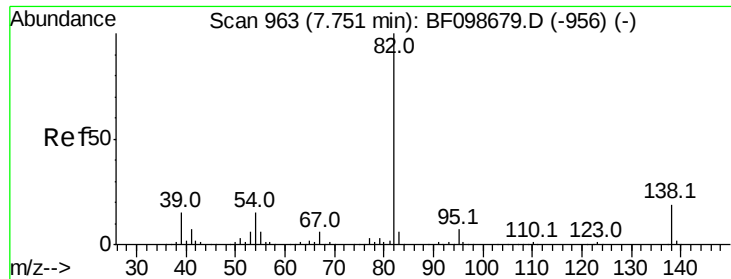
Tot Ion:	136	Resp:	623705
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.5	6.6	9.8
68	6.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 69.949 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

Tgt Ion:	82	Resp:	680298
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	49.5	41.4	62.2





#25

Isophorone

Concen: 33.823 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

Instrument :

BNA_F

ClientSampleId :

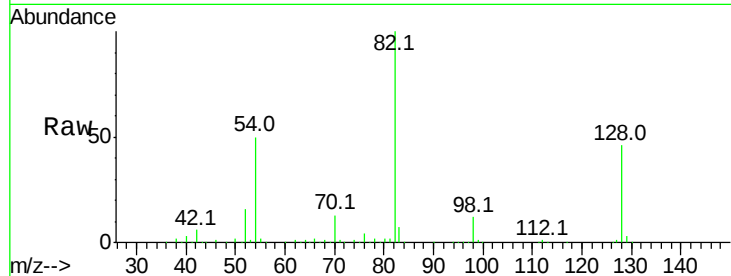
Tot Ion: 82 Resp: 680108

Ion Ratio Lower Upper

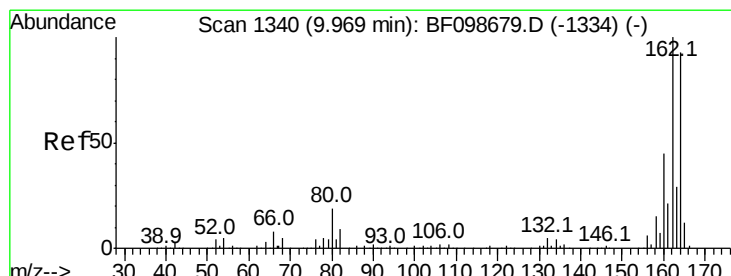
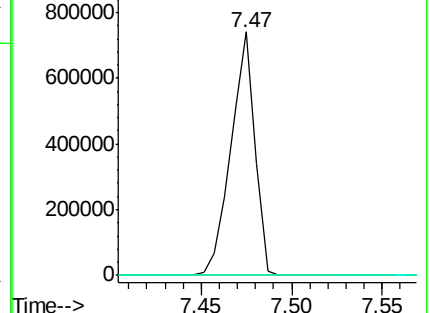
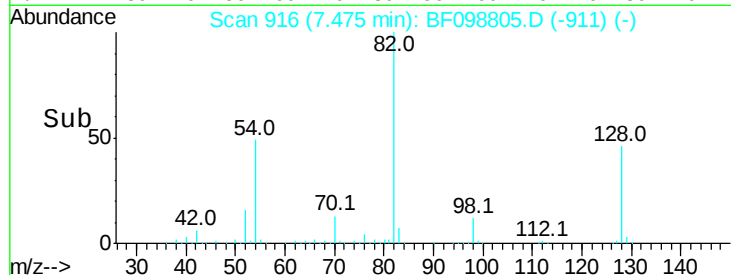
82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

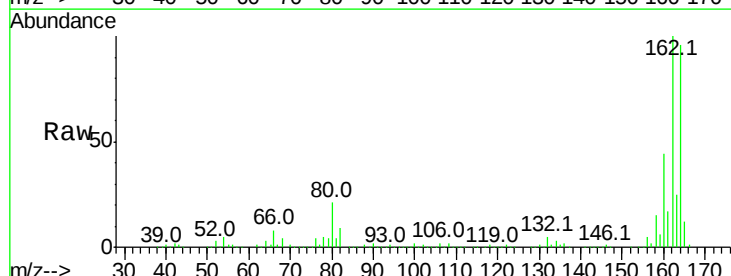
Tgt Ion: 164 Resp: 279993

Ion Ratio Lower Upper

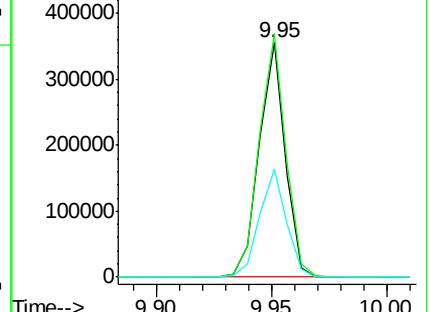
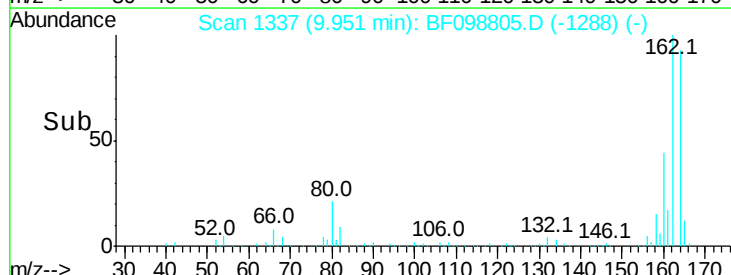
164 100

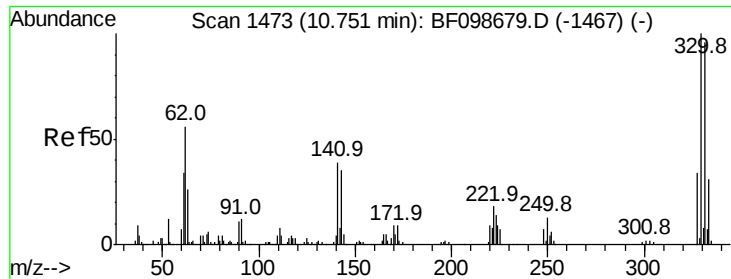
162 104.0 86.1 129.1

160 45.9 38.3 57.5



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

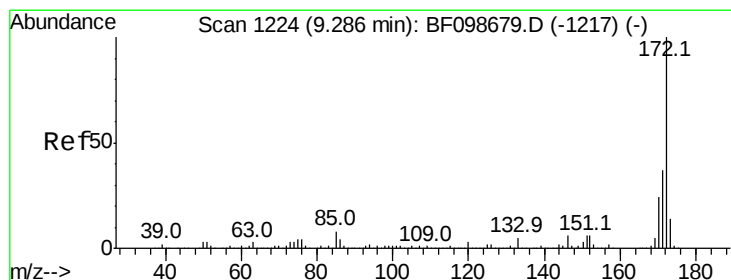
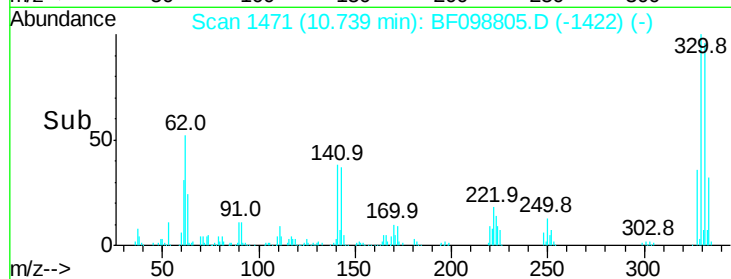
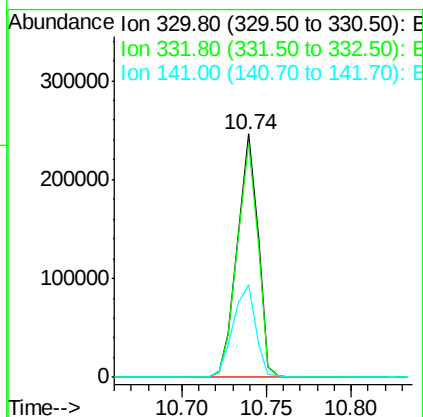
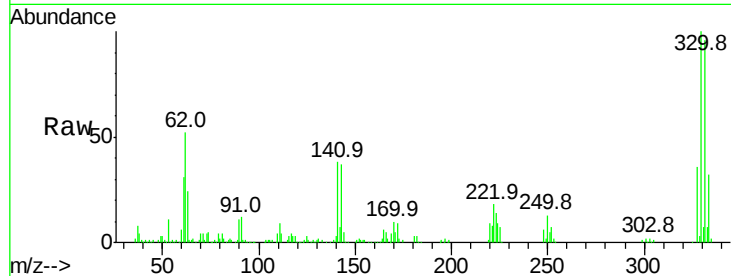




#41
 2,4,6-Tribromophenol
 Concen: 91.871 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098805.D
 Acq: 26 Sep 2017 1:49

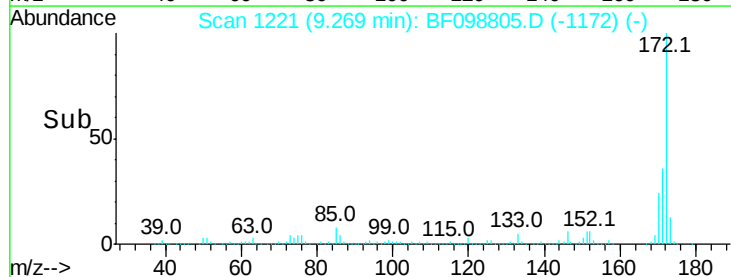
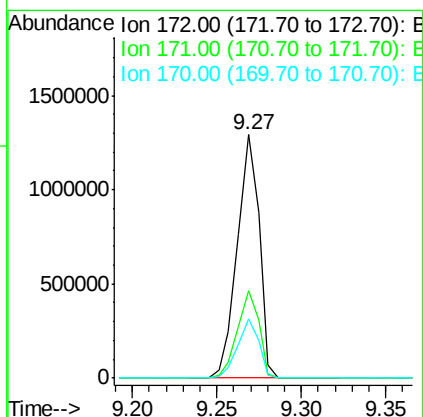
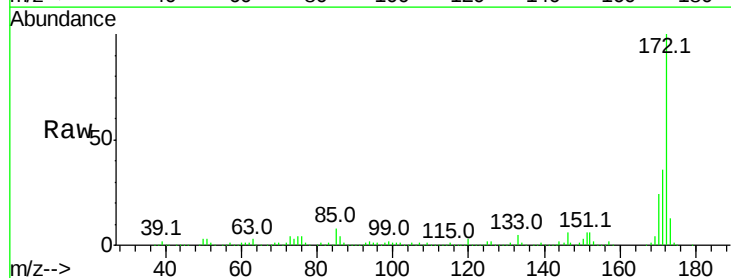
Instrument :
 BNA_F
 ClientSampleId :

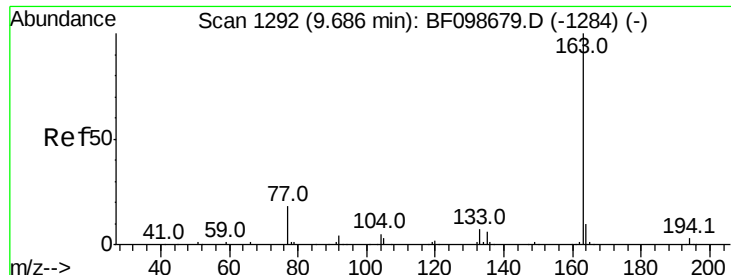
Tot Ion:330 Resp: 210485
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 41.5 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 69.592 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098805.D
 Acq: 26 Sep 2017 1:49

Tgt Ion:172 Resp: 1167195
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.2 19.6 29.4

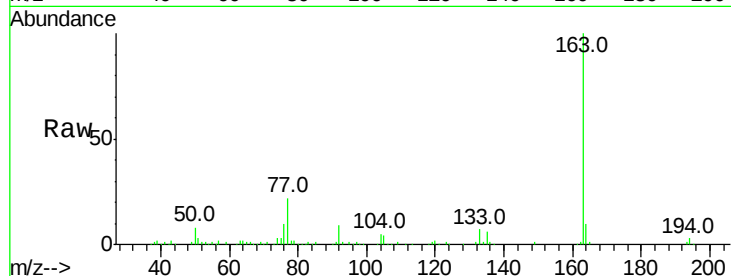




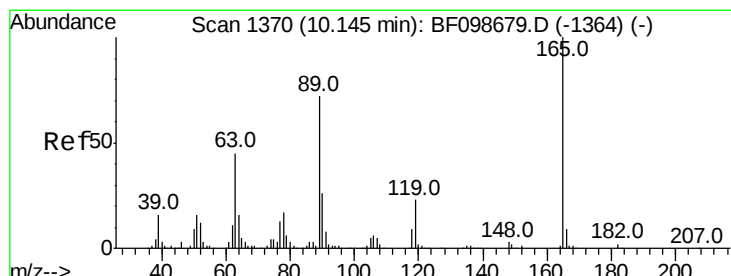
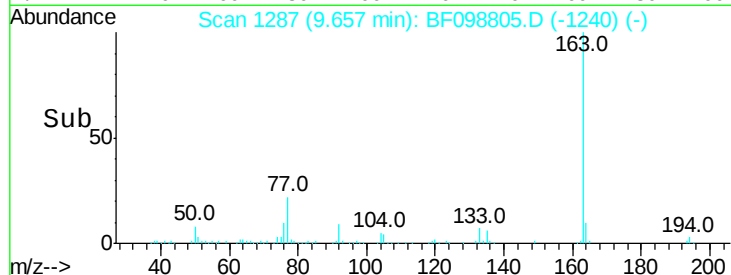
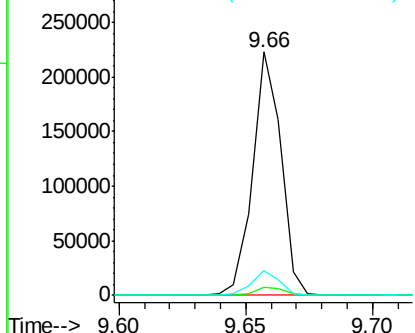
#49
Dimethylphthalate
Concen: 8.233 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.1	8.2	12.2



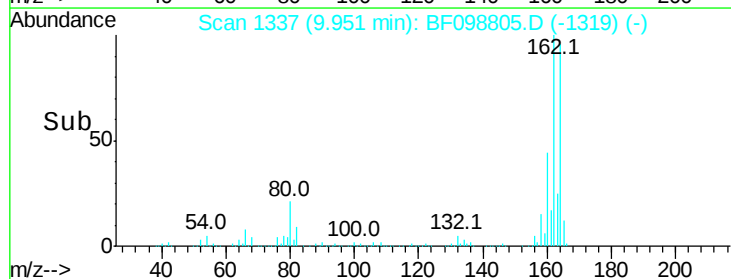
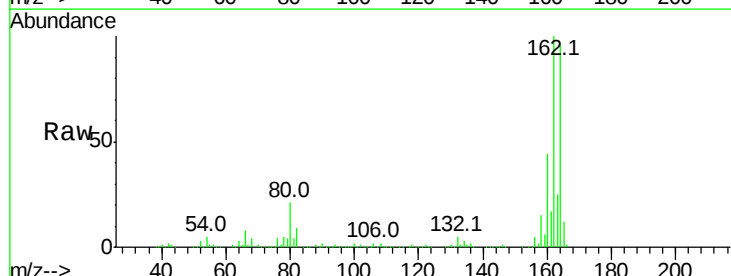
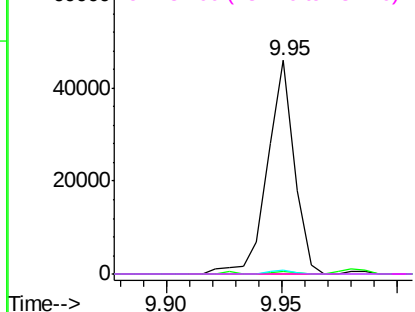
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

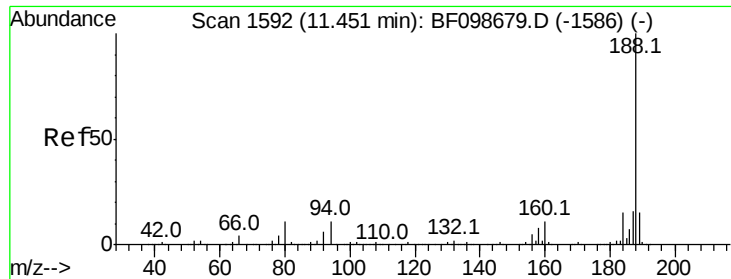


#56
2,4-Dinitrotoluene
Concen: 6.206 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

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

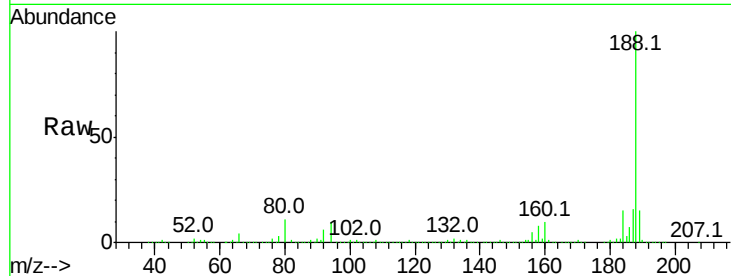




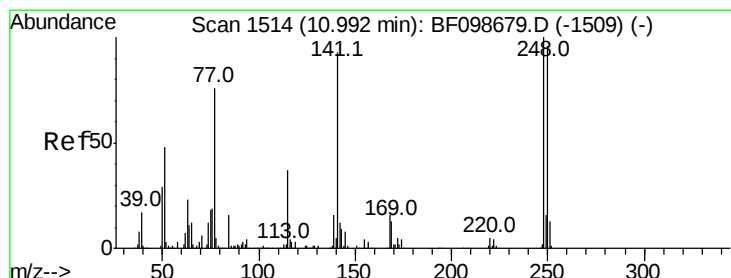
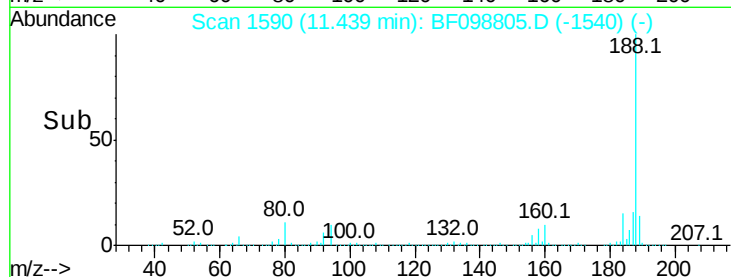
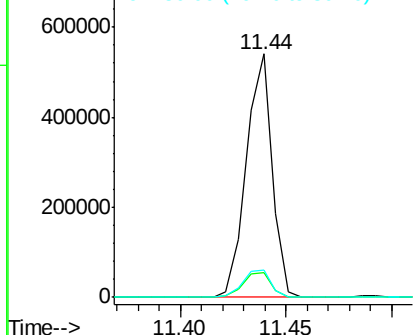
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098805.D
 Acq: 26 Sep 2017 1:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 458462
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 11.0 9.2 13.8

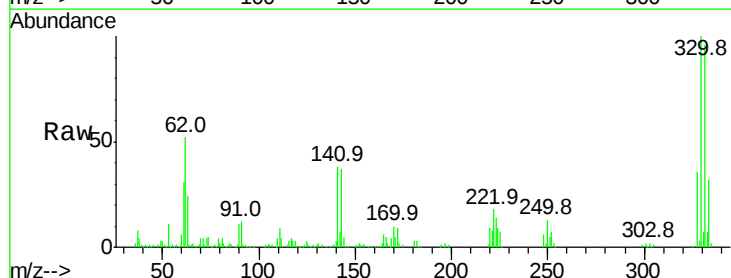


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

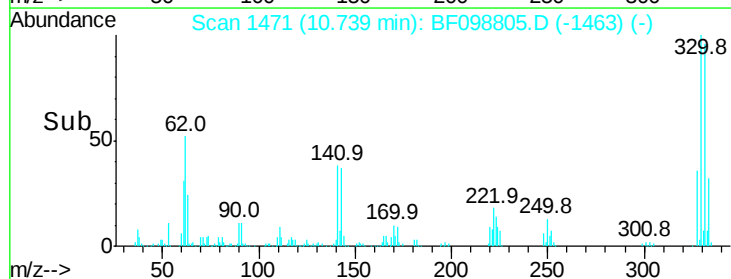
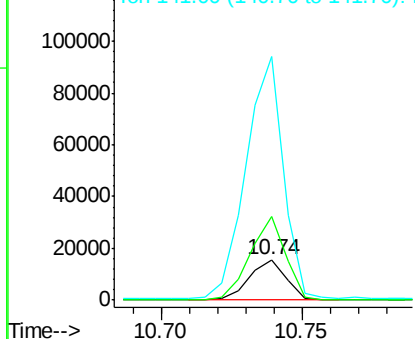


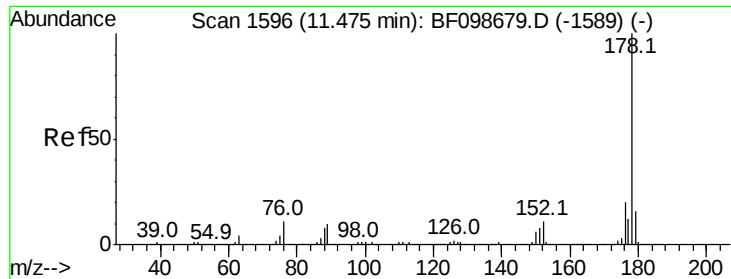
#66
 4-Bromophenyl-phenylether
 Concen: 3.135 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.25 min
 Lab File: BF098805.D
 Acq: 26 Sep 2017 1:49

Tgt Ion:248 Resp: 14067
 Ion Ratio Lower Upper
 248 100
 250 205.0 76.9 115.3#
 141 599.5 74.4 111.6#



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: 5.870 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

Instrument :

BNA_F

ClientSampleId :

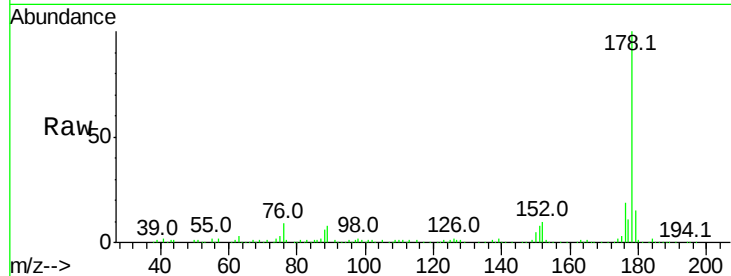
Tot Ion:178 Resp: 144044

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

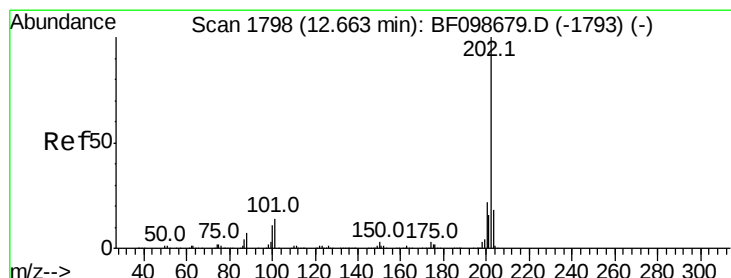
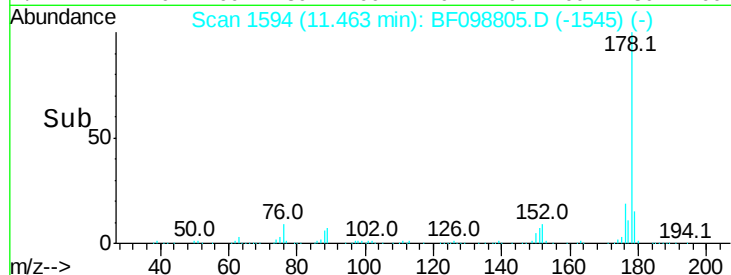
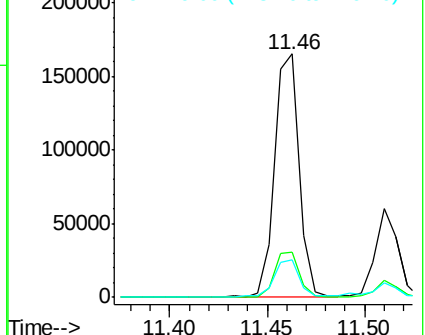
179 15.4 13.0 19.6



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: 10.539 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

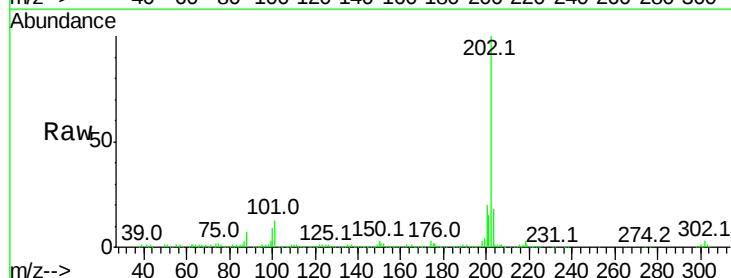
Tgt Ion:202 Resp: 261888

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

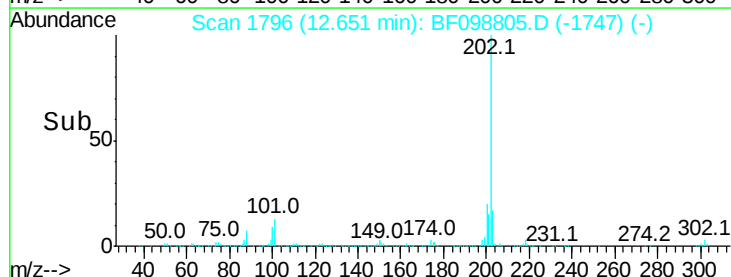
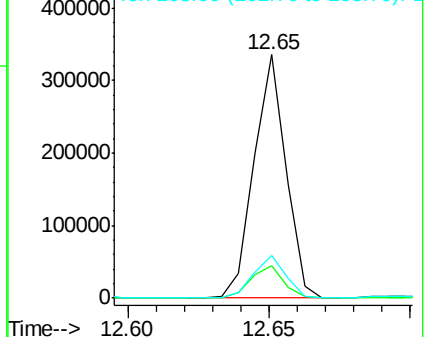
203 17.6 0.0 38.1

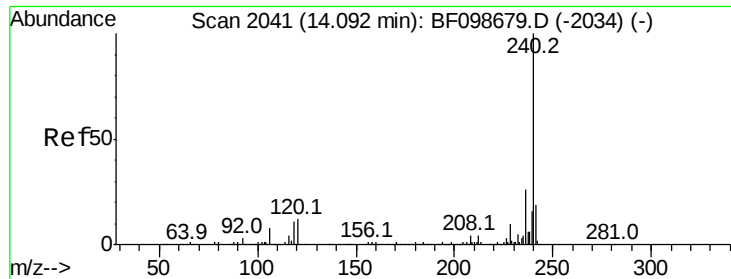


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098805.D

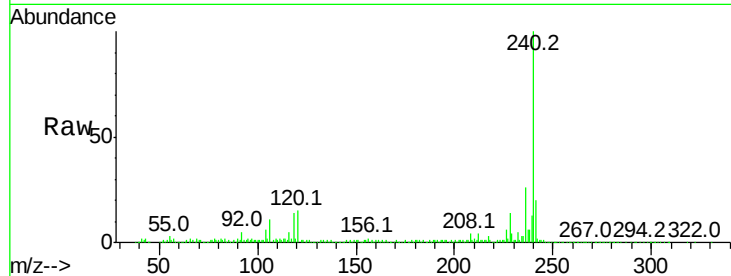
Acq: 26 Sep 2017 1:49

Instrument :

BNA_F

ClientSampleId :

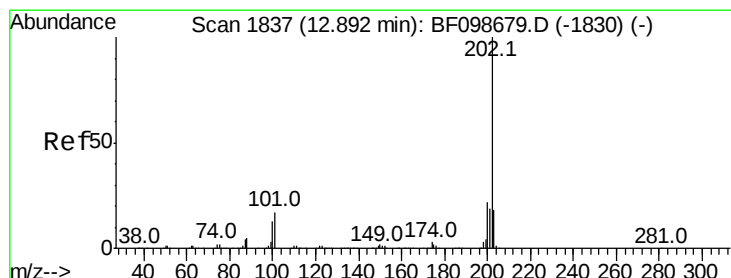
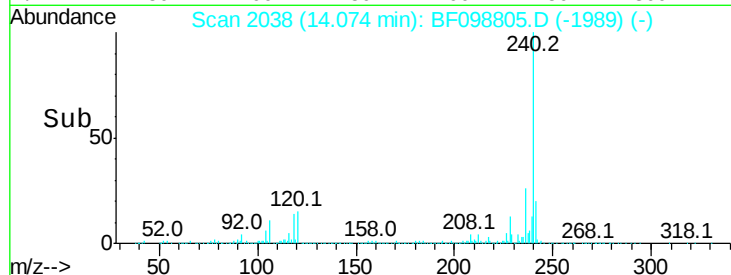
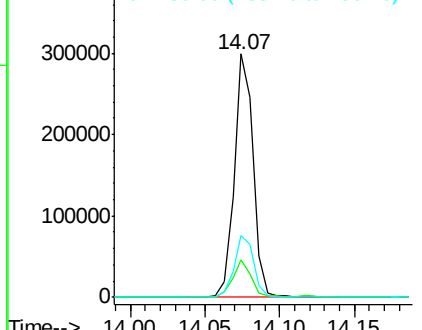
Tot Ion:240	Resp:	264839
Ion Ratio	Lower	Upper
240	100	
120	15.4	9.5 14.3#
236	25.6	20.7 31.1



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: 12.679 ng

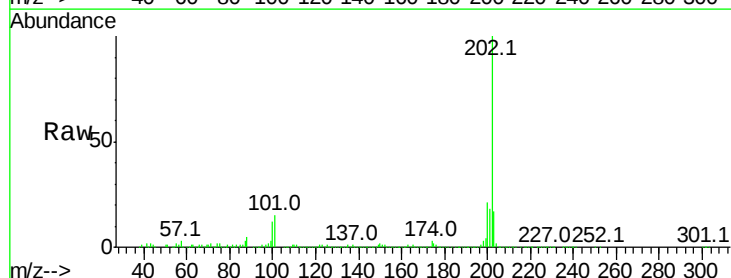
RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

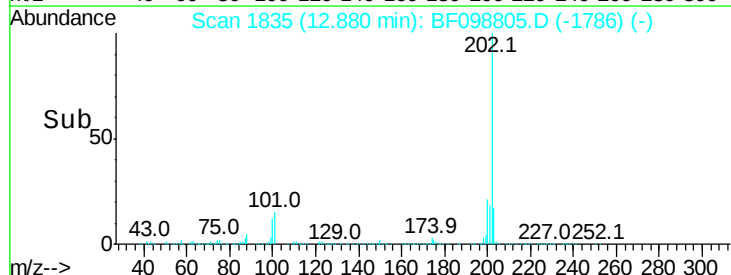
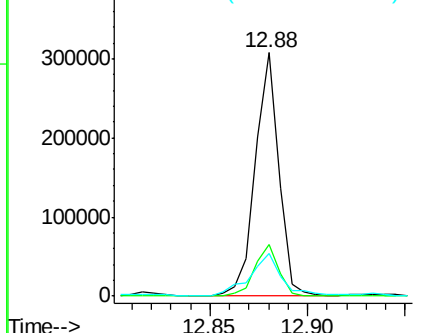
Tgt Ion:202	Resp:	256058
Ion Ratio	Lower	Upper
202	100	
200	21.3	17.4 26.2
203	17.5	14.3 21.5

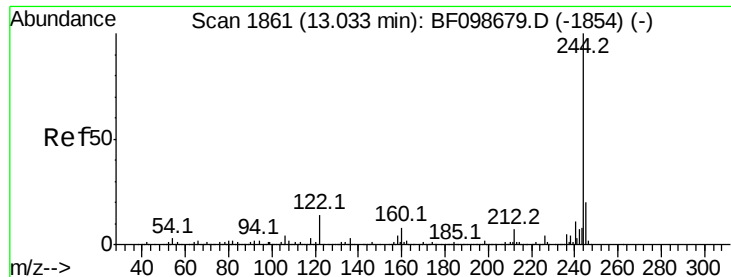


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.892 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

Instrument :

BNA_F

ClientSampleId :

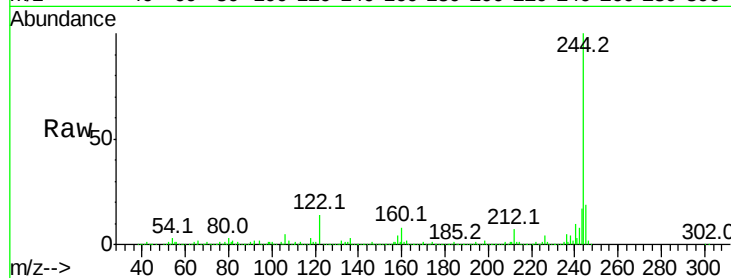
Tot Ion:244 Resp: 778976

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

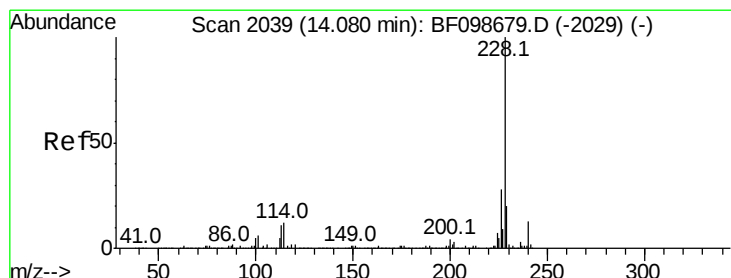
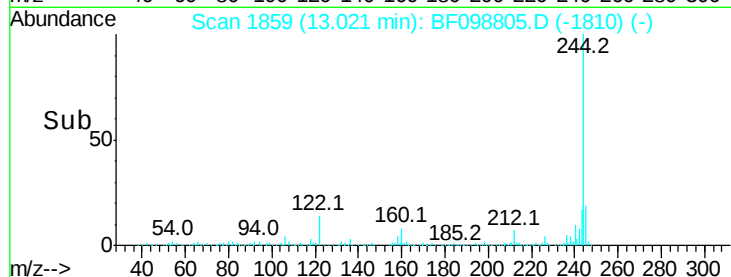
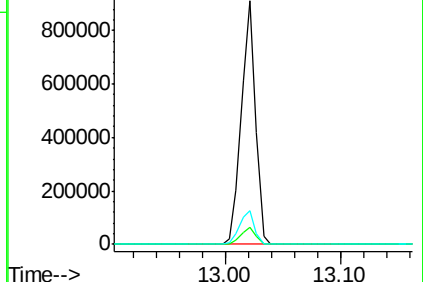
122 13.8 11.0 16.4



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: 7.599 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

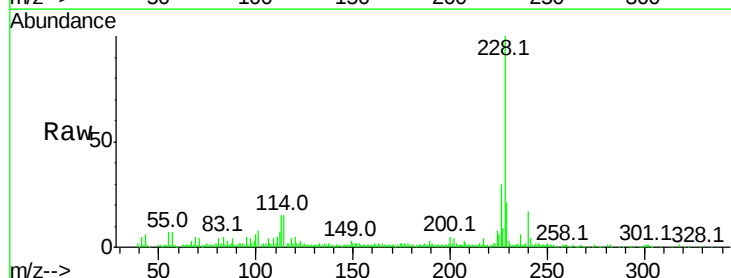
Tgt Ion:228 Resp: 121870

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

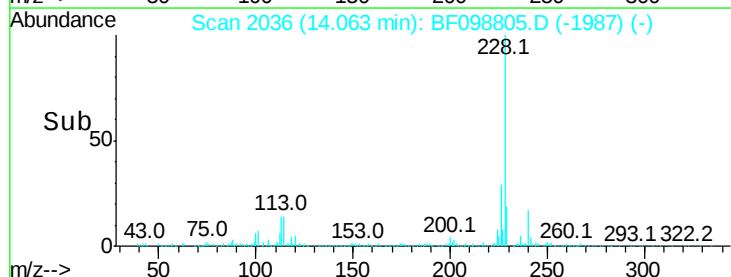
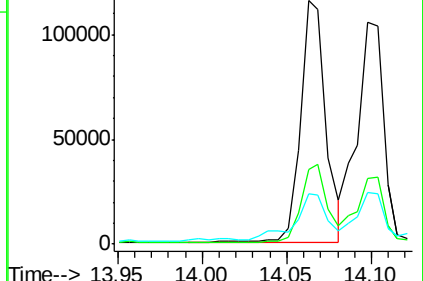
229 20.9 15.8 23.6

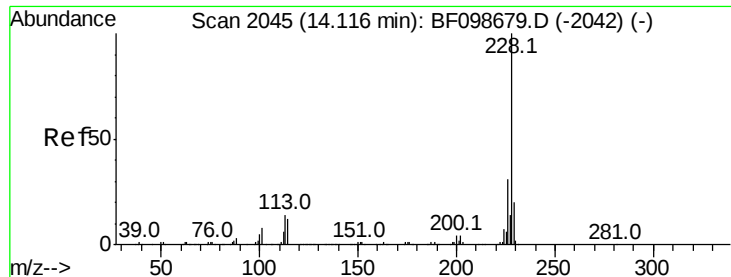


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

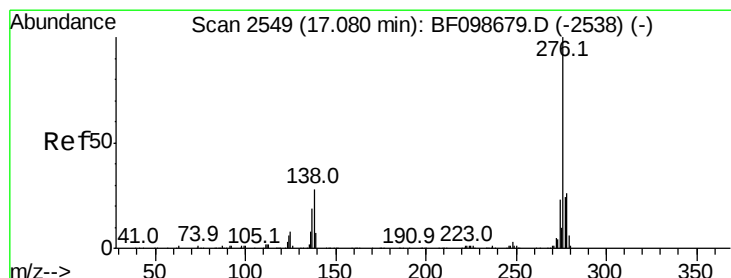
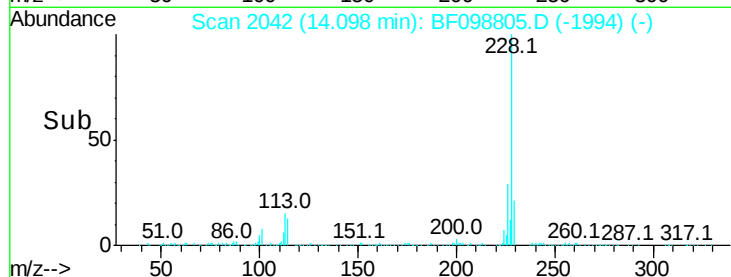
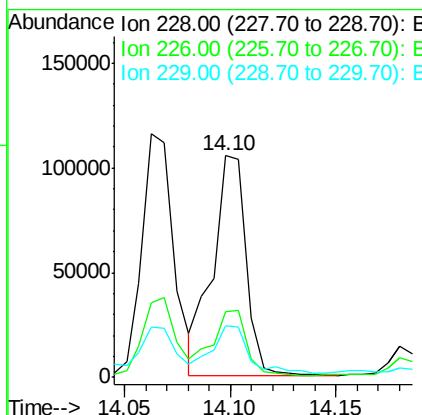
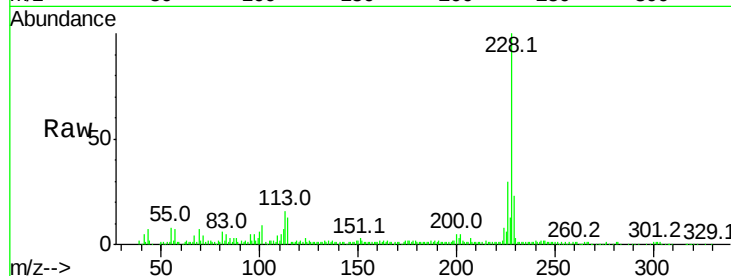




#82
Chrysene
Concen: 7.578 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

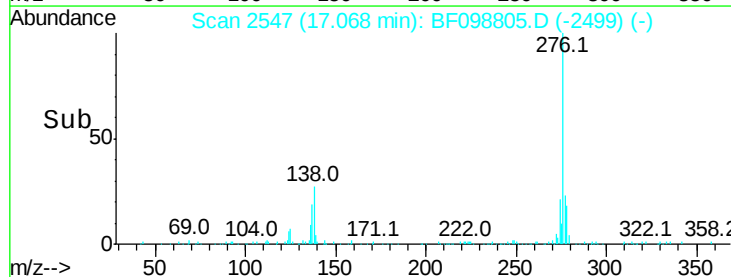
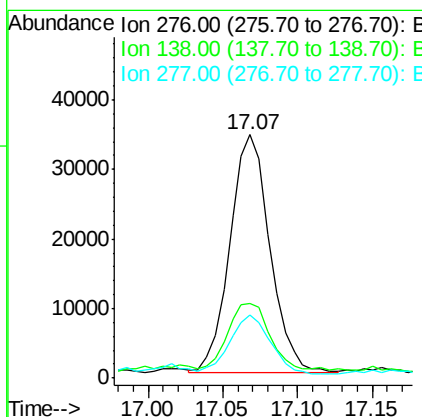
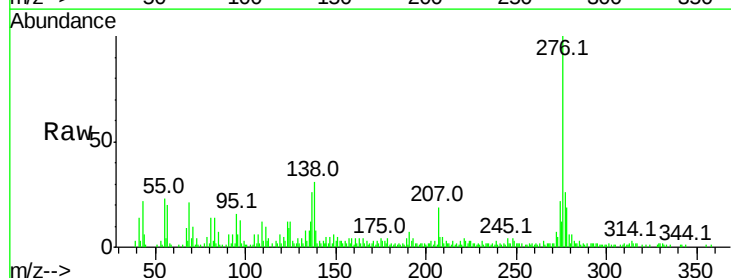
Instrument :
BNA_F
ClientSampled :

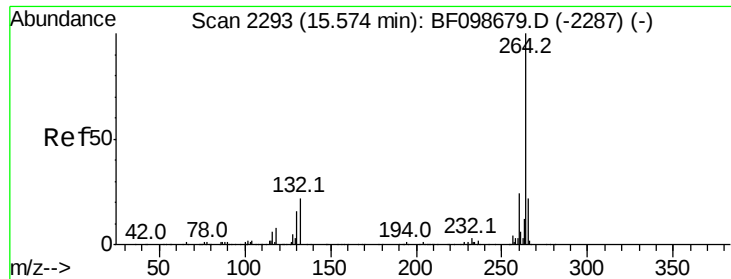
Tot Ion:228 Resp: 115701
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 23.1 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.257 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.02 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

Tgt Ion:276 Resp: 64204
Ion Ratio Lower Upper
276 100
138 30.7 25.0 37.6
277 25.0 20.1 30.1

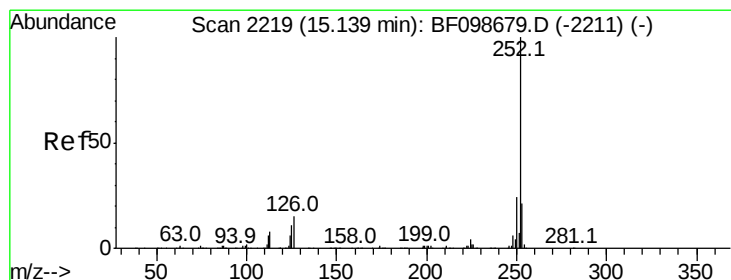
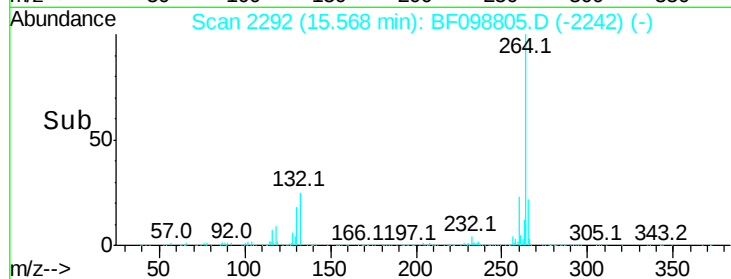
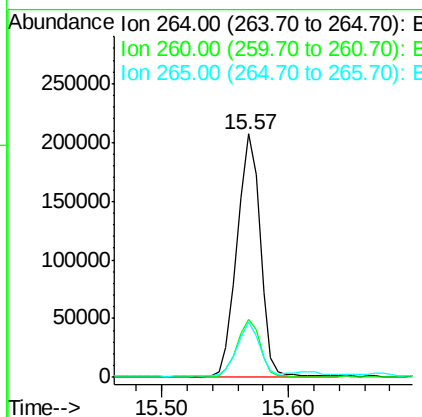
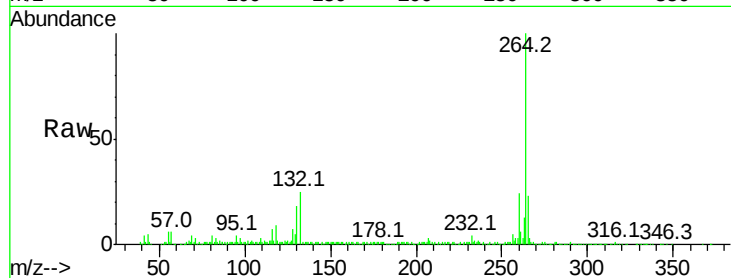




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

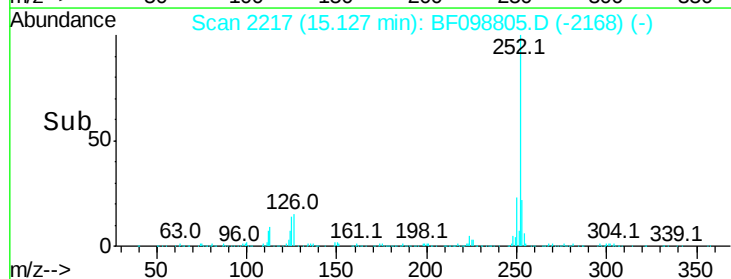
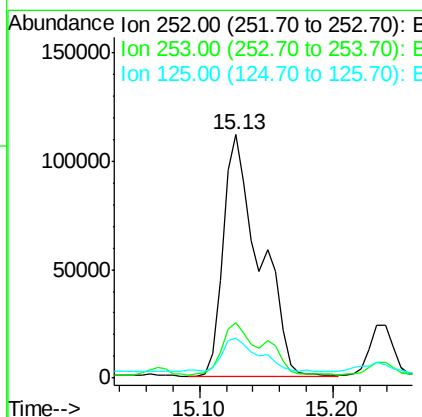
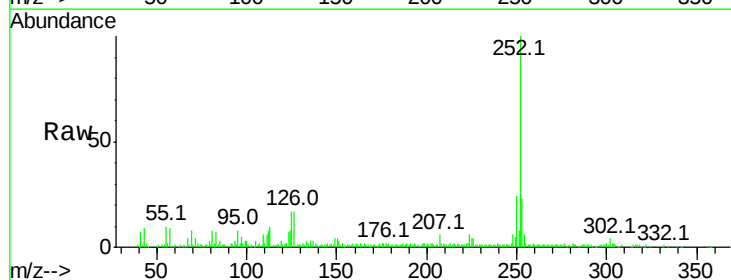
Instrument :
BNA_F
ClientSampleId :

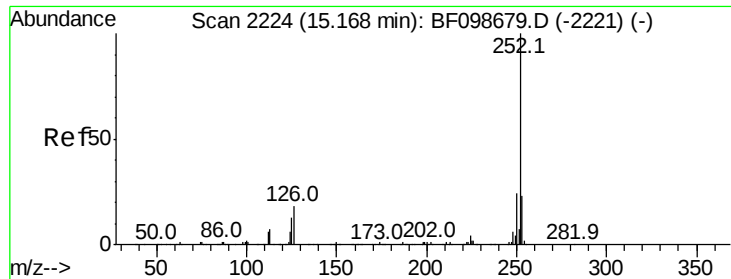
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 13.158 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	16.7	9.0	13.6

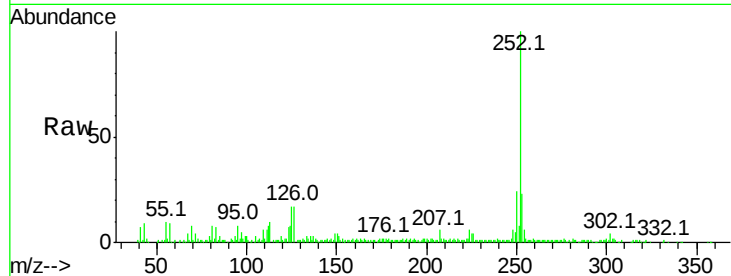




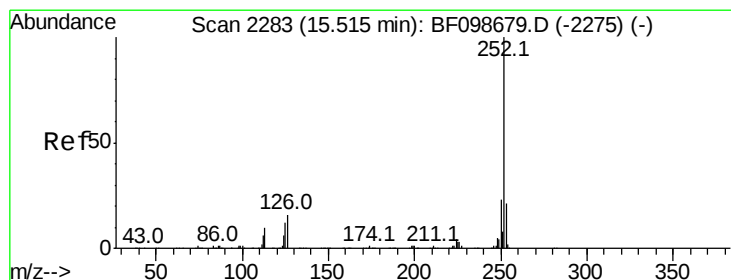
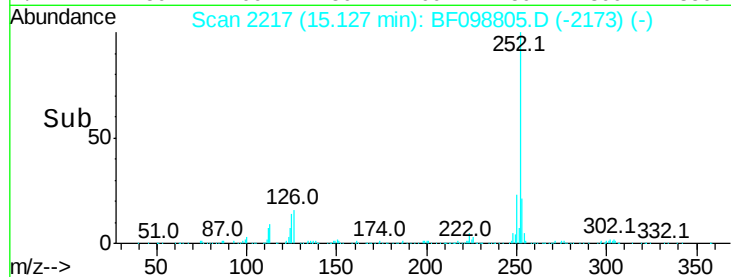
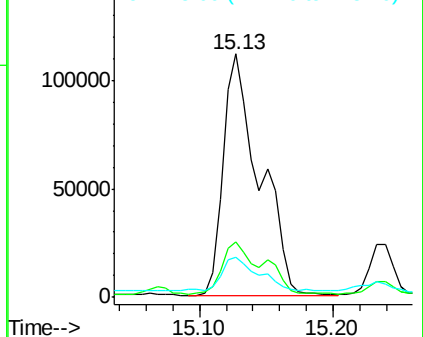
#88
Benzo(k)fluoranthene
Concen: 13.322 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	16.7	10.2	15.2

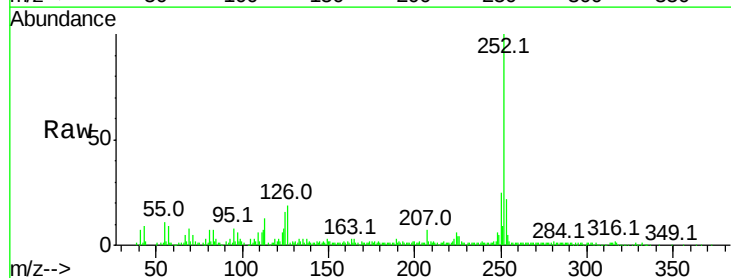


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

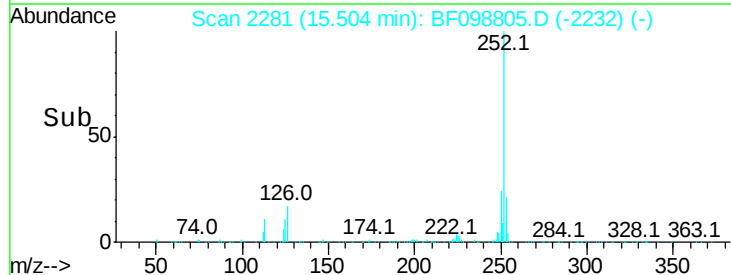
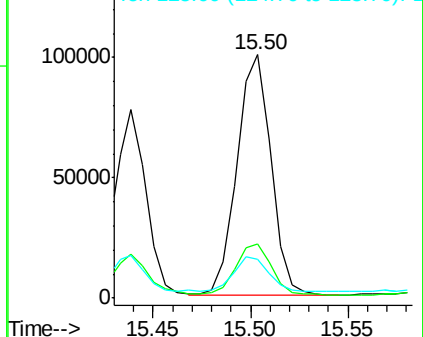


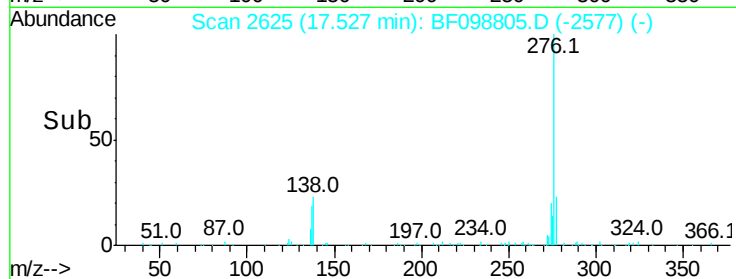
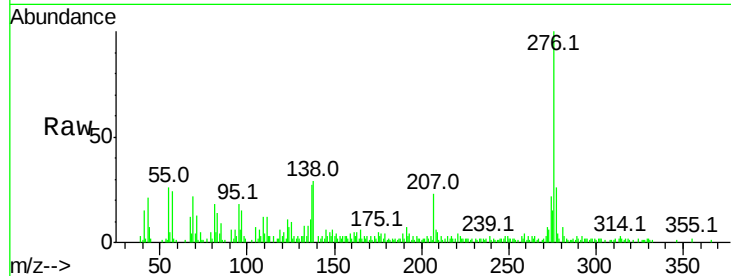
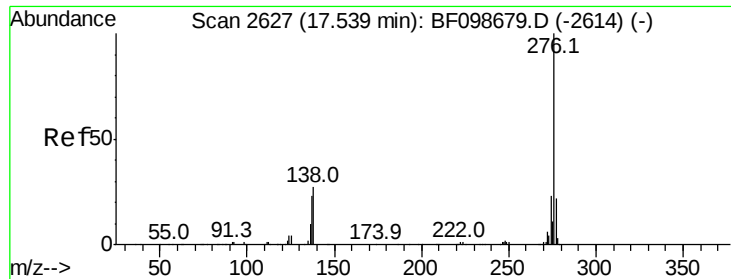
#89
Benzo(a)pyrene
Concen: 8.262 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098805.D
Acq: 26 Sep 2017 1:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	15.8	9.8	14.6



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: 5.222 ng

RT: 17.53 min Scan# 2625

Delta R.T. -0.02 min

Lab File: BF098805.D

Acq: 26 Sep 2017 1:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 60757

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 29.1 21.8 32.8

