

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098607.D
 Acq On : 18 Sep 2017 17:36
 Operator : SJ/JU
 Sample : I5244-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:35:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

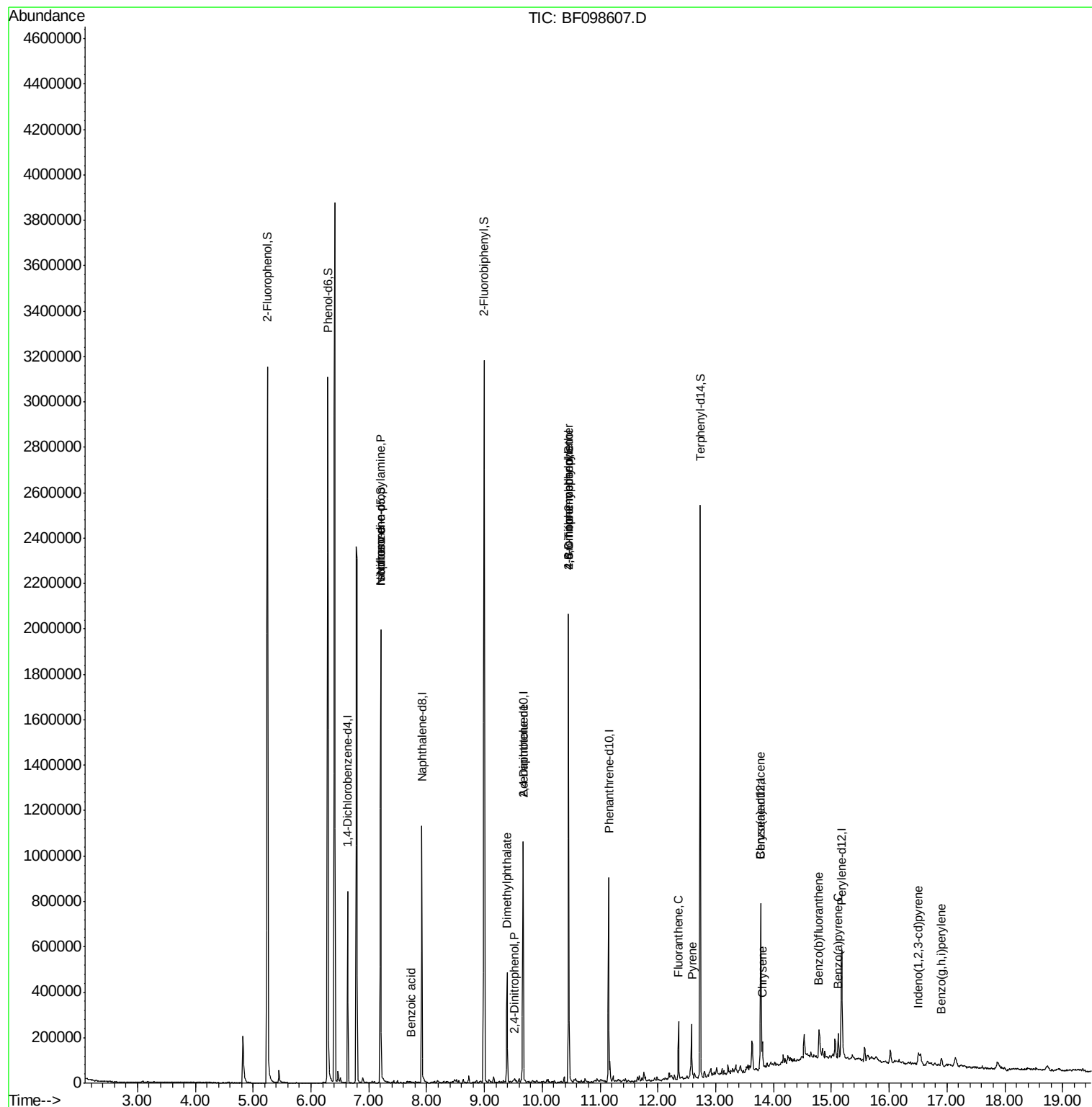
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	109277	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	448143	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	199003	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	327037	20.00	ng	0.00
75) Chrysene-d12	13.78	240	210787	20.00	ng	0.00
86) Perylene-d12	15.18	264	187829	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	901940	122.03	ng	0.00
7) Phenol-d6	6.29	99	1117242	119.06	ng	0.00
23) Nitrobenzene-d5	7.20	82	704749	87.67	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	207583	156.29	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	985943	83.97	ng	0.00
78) Terphenyl-d14	12.73	244	682044	69.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	94584	16.024	ng	Qvalue # 81
25) Isophorone	7.20	82	704745	43.332	ng	# 67
32) Benzoic acid	7.73	122	422	8.044	ng	98
49) Dimethylphthalate	9.39	163	163114	10.589	ng	98
53) 2,4-Dinitrophenol	9.52	184	139	8.608	ng	# 1
56) 2,4-Dinitrotoluene	9.67	165	24822	6.452	ng	# 35
64) 4,6-Dinitro-2-methylphenol	10.46	198	558	5.214	ng	# 1
66) 4-Bromophenyl-phenylether	10.46	248	16124	5.195	ng	# 1
74) Fluoranthene	12.36	202	94734	5.458	ng	95
77) Pyrene	12.59	202	94141	5.662	ng	99
80) Benzo(a)anthracene	13.77	228	51841	4.195	ng	99
82) Chrysene	13.81	228	44054	3.527	ng	98
85) Indeno(1,2,3-cd)pyrene	16.50	276	24216	2.763	ng	92
87) Benzo(b)fluoranthene	14.79	252	79692	6.748	ng	99
89) Benzo(a)pyrene	15.12	252	45491	4.324	ng	99
91) Benzo(g,h,i)perylene	16.91	276	23295	3.026	ng	# 89

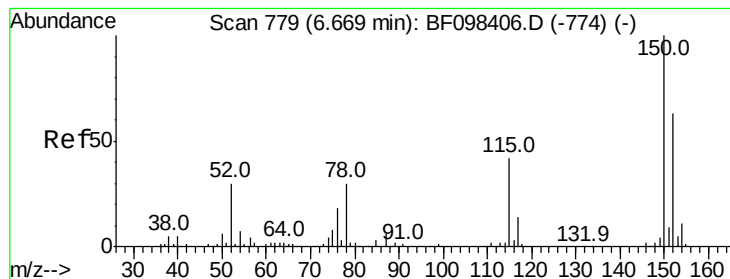
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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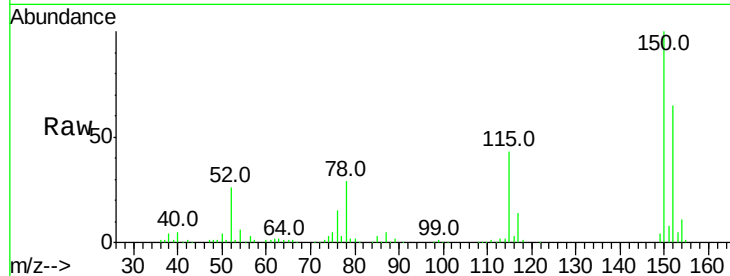


#1

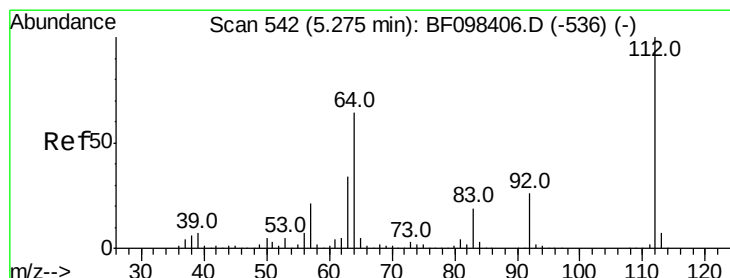
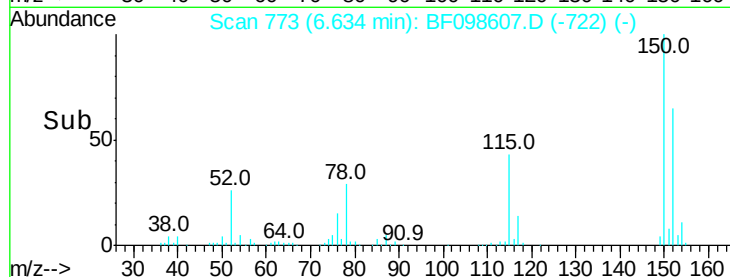
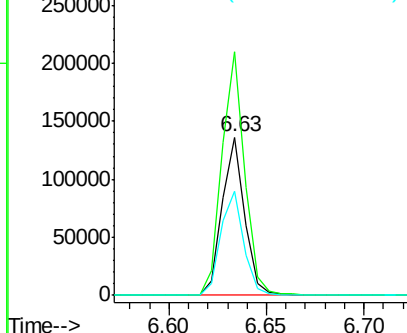
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF098607.D
Acq: 18 Sep 2017 17:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 109277
Ion Ratio Lower Upper
152 100
150 153.7 126.2 189.2
115 65.7 52.2 78.2



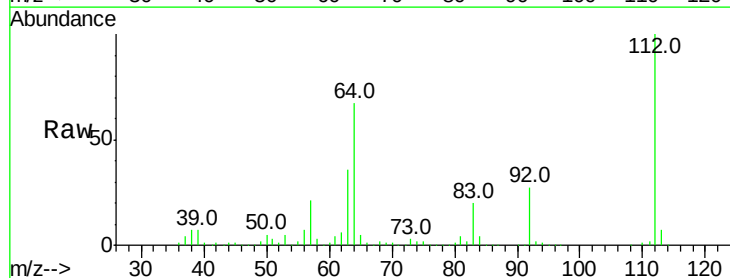
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



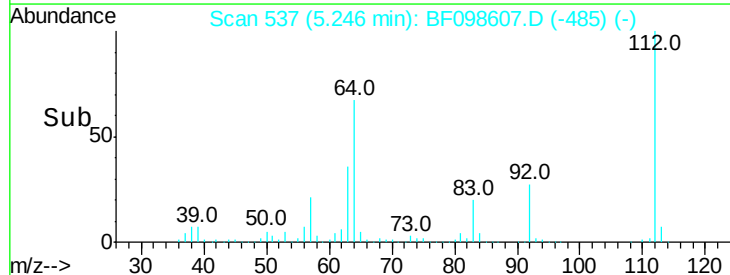
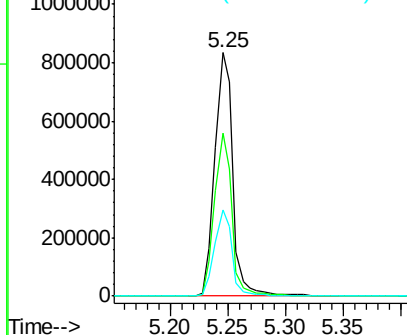
#5

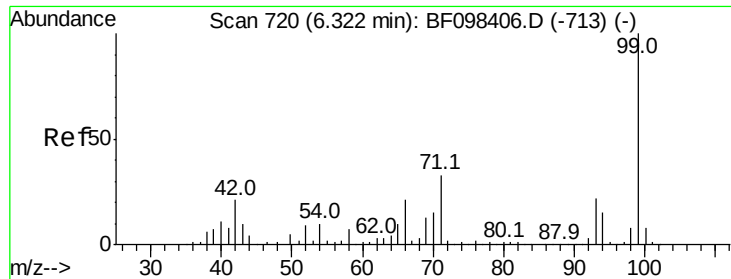
2-Fluorophenol
Concen: 122.033 ng
RT: 5.25 min Scan# 537
Delta R.T. 0.01 min
Lab File: BF098607.D
Acq: 18 Sep 2017 17:36

Tgt Ion:112 Resp: 901940
Ion Ratio Lower Upper
112 100
64 67.2 46.0 69.0
63 35.5 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: 119.058 ng

RT: 6.29 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

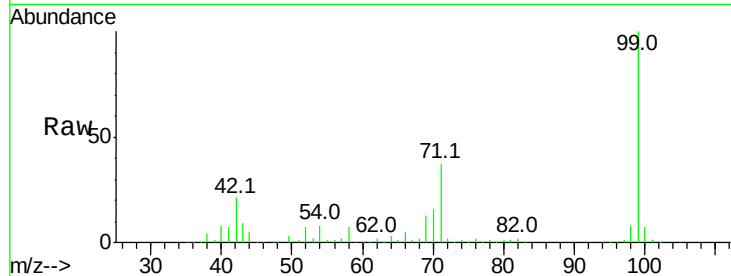
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1117242

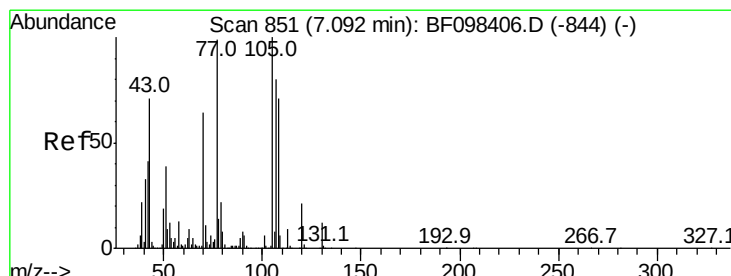
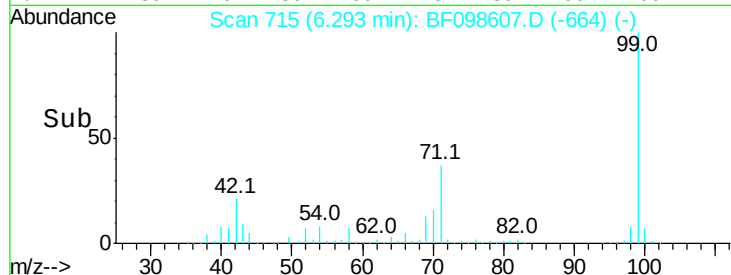
Ion	Ratio	Lower	Upper
99	100		
42	20.6	13.5	20.3#
71	37.3	24.5	36.7#



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.024 ng

RT: 7.20 min Scan# 870

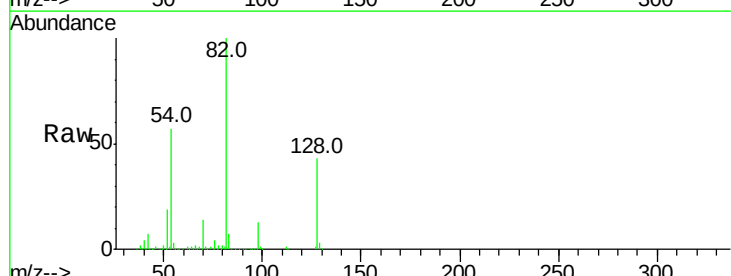
Delta R.T. 0.15 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

Tgt Ion: 70 Resp: 94584

Ion	Ratio	Lower	Upper
70	100		
42	50.7	47.2	70.8
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#

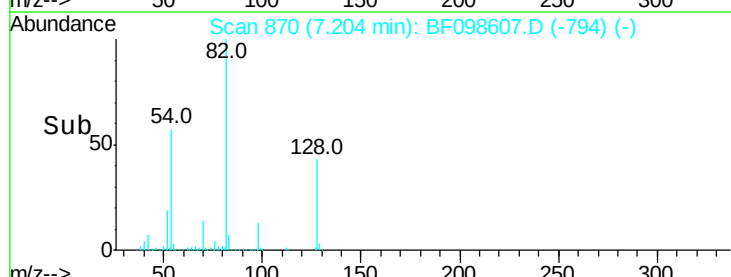


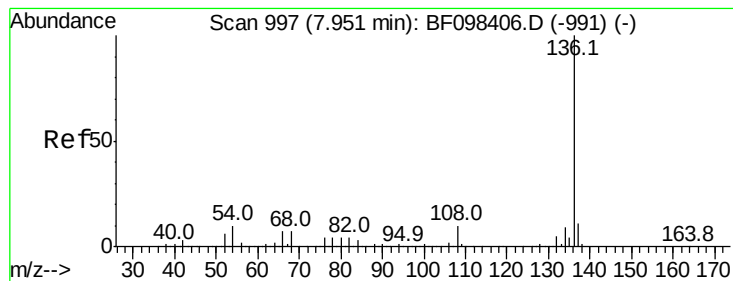
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF098607.D

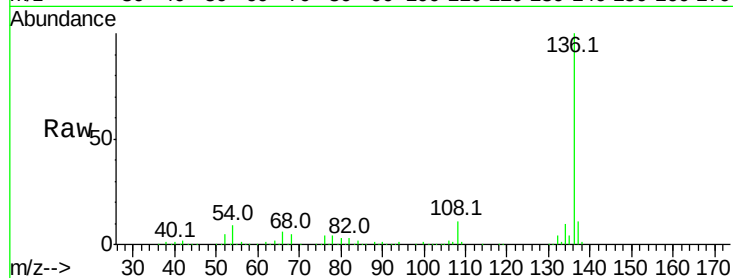
Acq: 18 Sep 2017 17:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	448143
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.2	4.9	7.3#
68	4.9	4.1	6.1

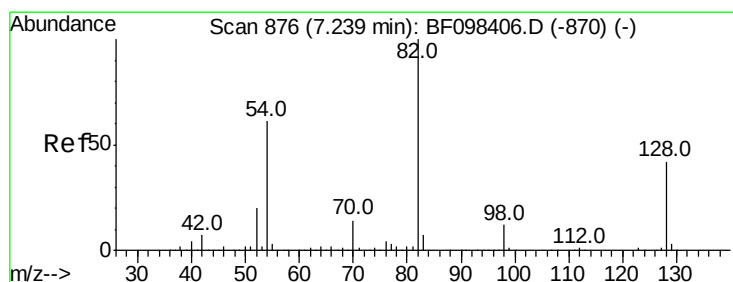
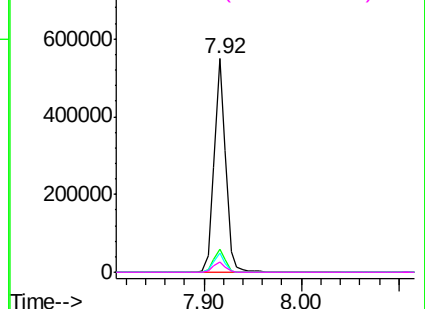
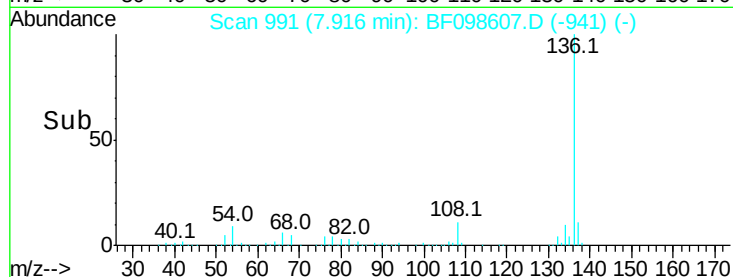


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.672 ng

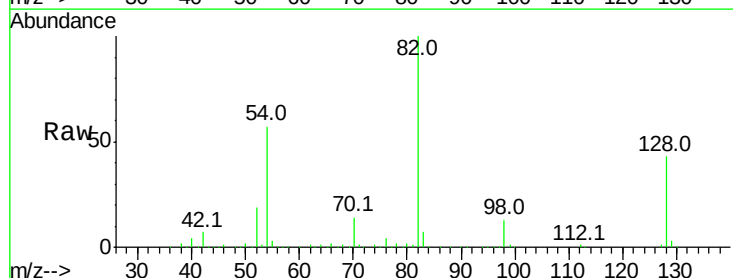
RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

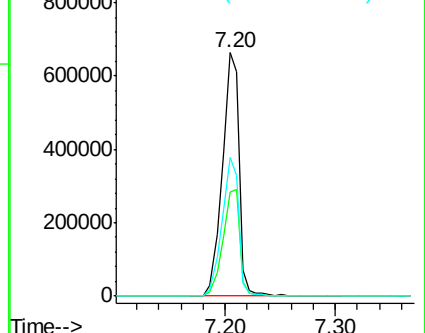
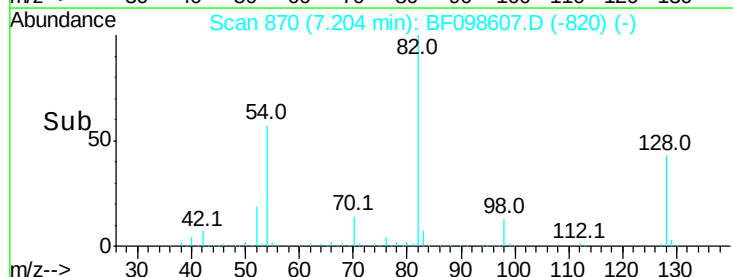
Tgt Ion:	82	Resp:	704749
Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.0	51.0
54	57.0	42.2	63.2

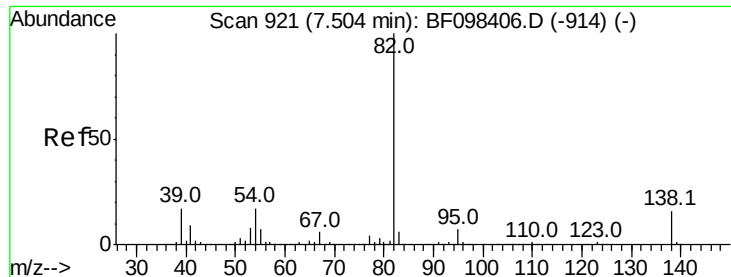


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.332 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.26 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

Instrument :
BNA_F
ClientSampled :

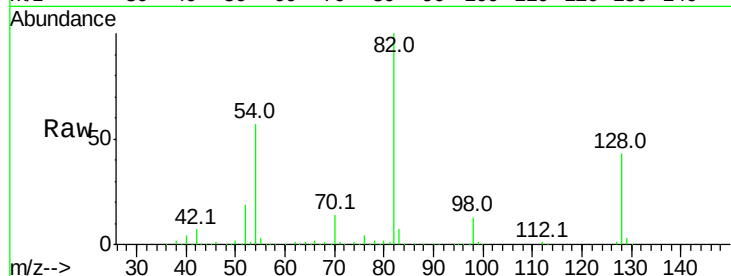
Tot Ion: 82 Resp: 704745

Ion Ratio Lower Upper

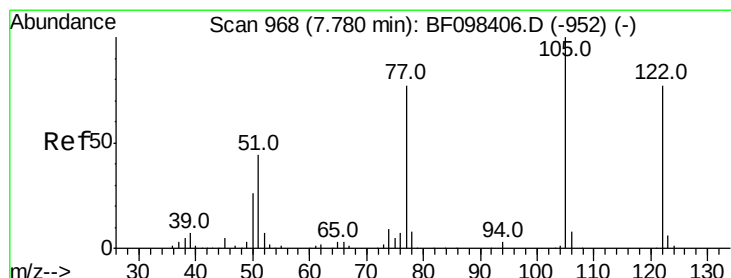
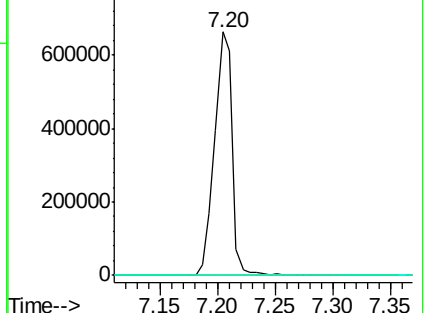
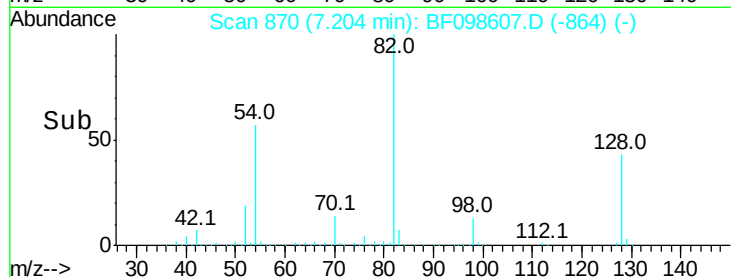
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 8.044 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.02 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

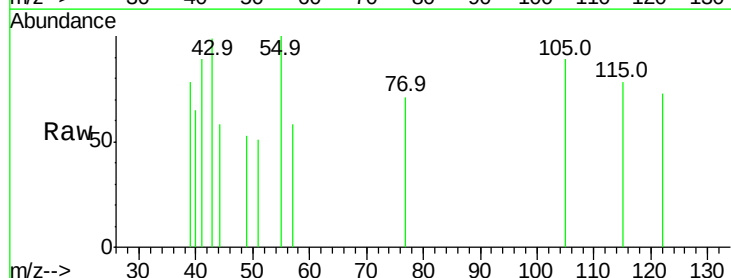
Tgt Ion: 122 Resp: 422

Ion Ratio Lower Upper

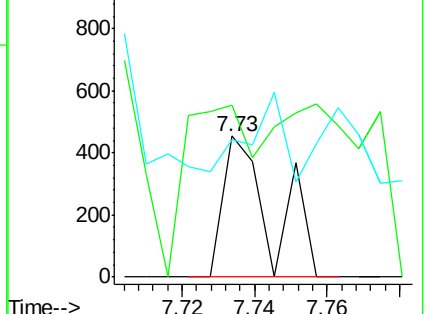
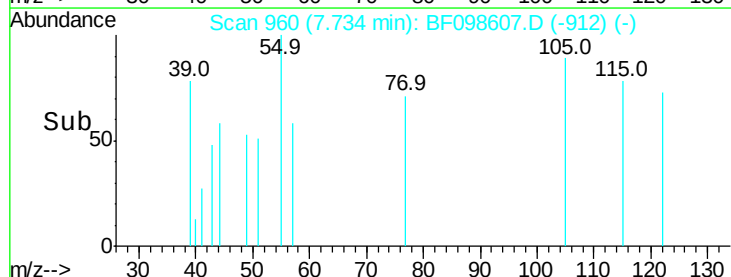
122 100

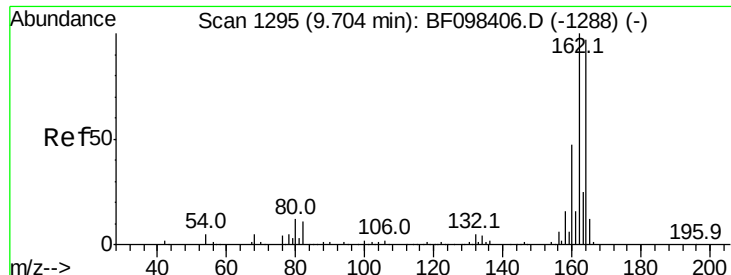
105 122.2 103.3 143.3

77 97.6 73.7 113.7



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

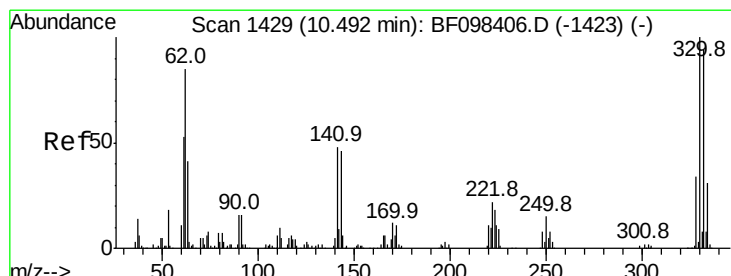
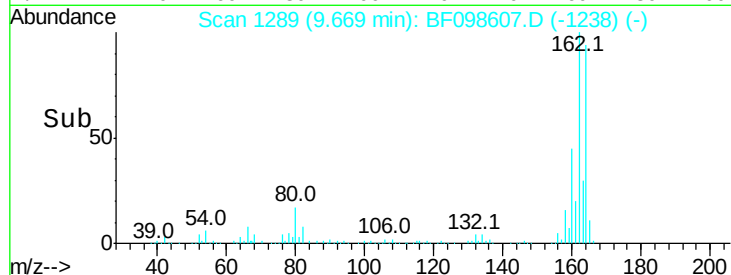
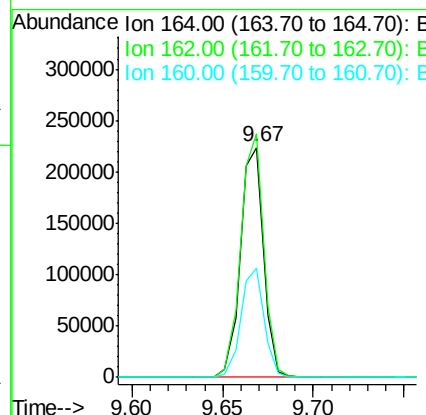
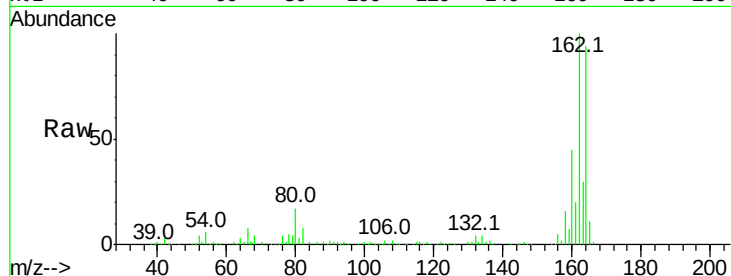




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.67 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: BF098607.D
 Acq: 18 Sep 2017 17:36

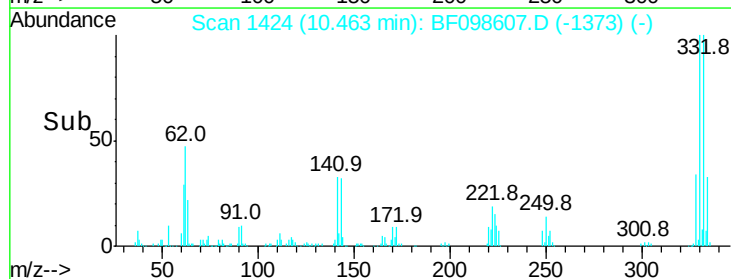
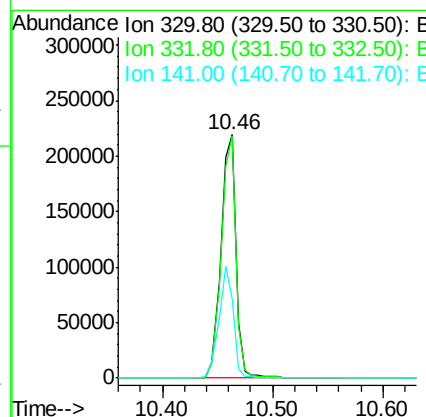
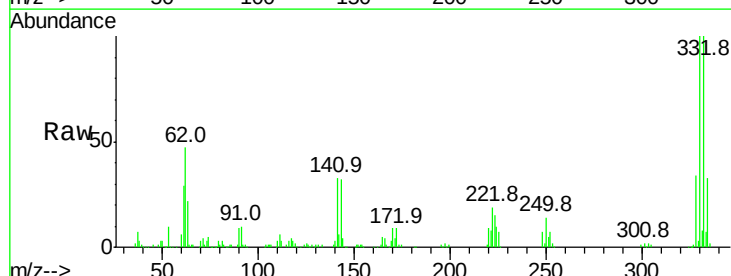
Instrument :
 BNA_F
 ClientSampleId :

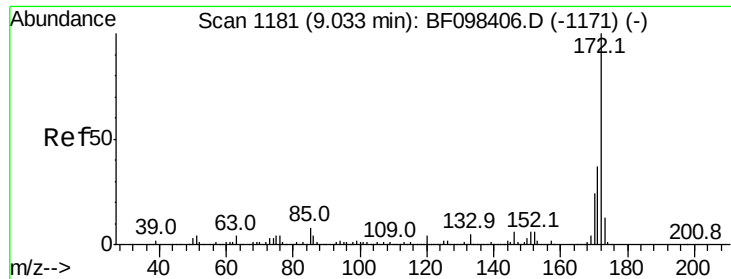
Tot Ion:164 Resp: 199003
 Ion Ratio Lower Upper
 164 100
 162 106.0 82.6 123.8
 160 47.7 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 156.291 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF098607.D
 Acq: 18 Sep 2017 17:36

Tgt Ion:330 Resp: 207583
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 43.9 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 83.973 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

Instrument :

BNA_F

ClientSampleId :

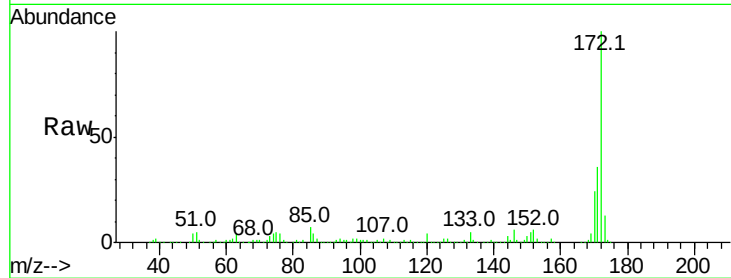
Tot Ion:172 Resp: 985943

Ion Ratio Lower Upper

172 100

171 35.7 29.6 44.4

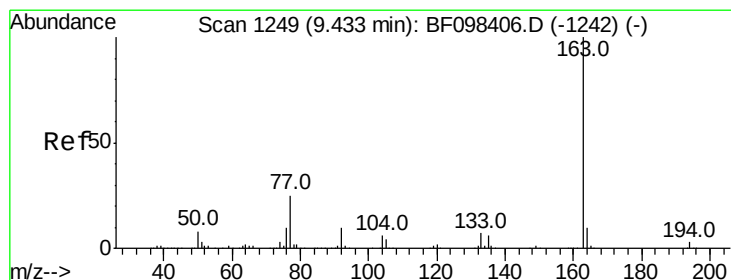
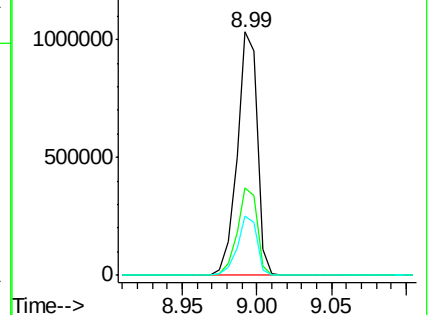
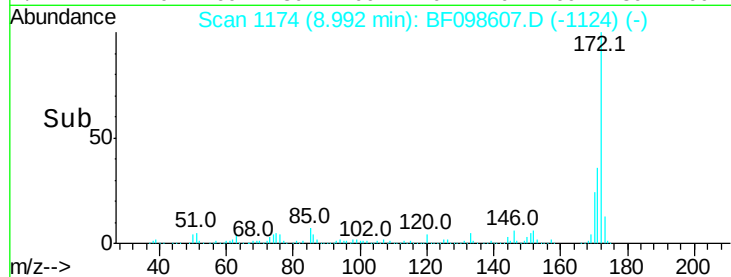
170 24.2 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 10.589 ng

RT: 9.39 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

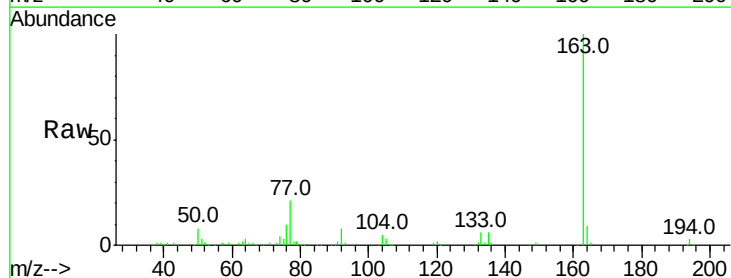
Tgt Ion:163 Resp: 163114

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

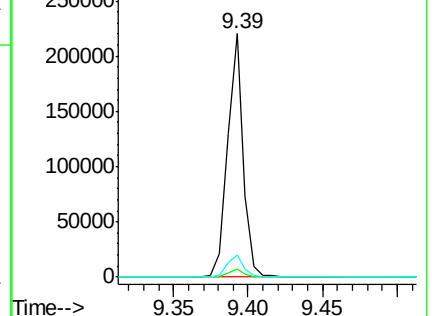
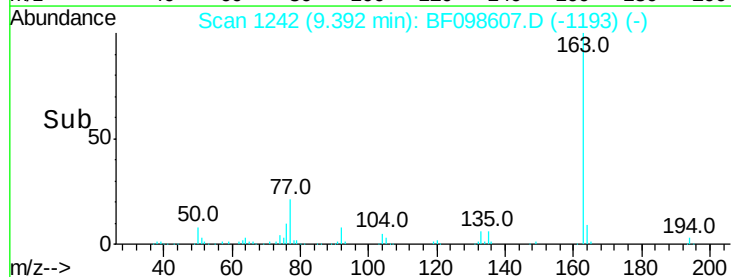
164 9.4 8.4 12.6

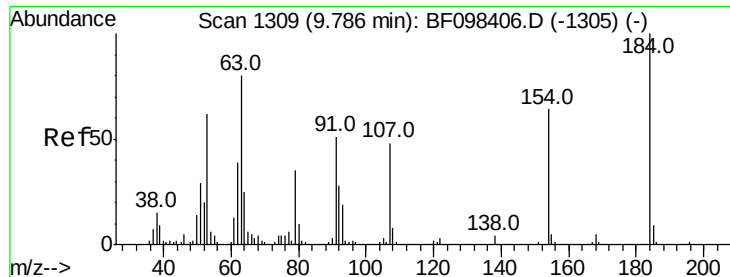


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#53

2,4-Dinitrophenol

Concen: 8.608 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.24 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

Instrument :

BNA_F

ClientSampled :

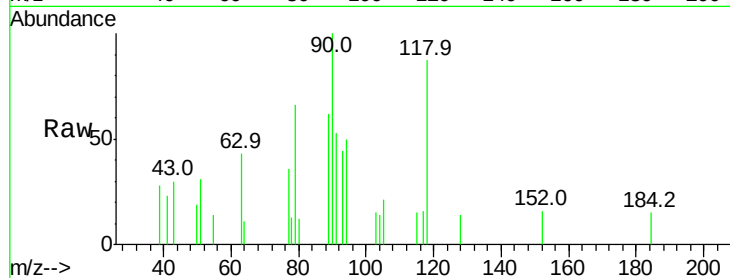
Tot Ion:184 Resp: 139

Ion Ratio Lower Upper

184 100

63 285.8 62.7 94.1#

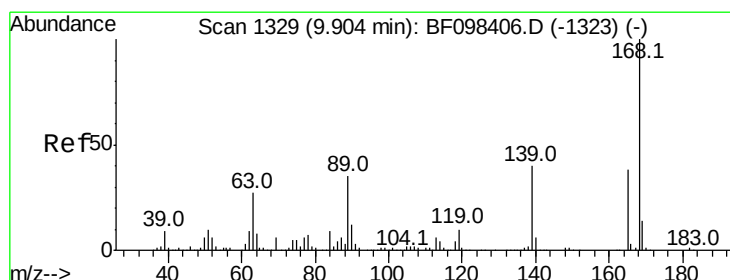
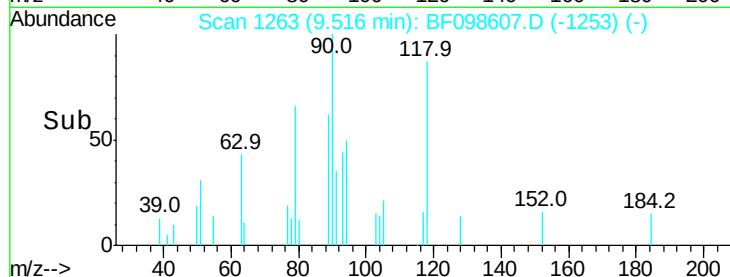
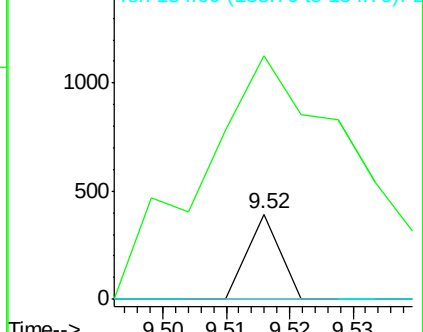
154 0.0 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 6.452 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.21 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

Tgt Ion:165 Resp: 24822

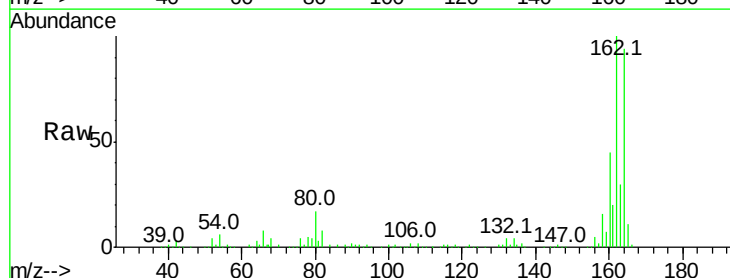
Ion Ratio Lower Upper

165 100

63 3.1 25.4 38.0#

89 2.4 46.4 69.6#

182 0.0 1.8 2.6#

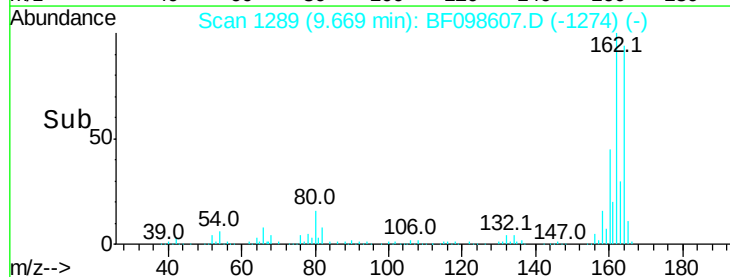
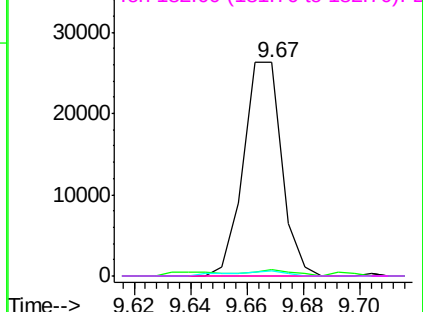


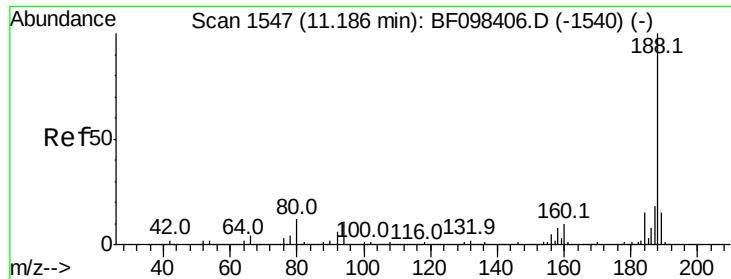
Abundance Ion 165.00 (164.70 to 165.70): E

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

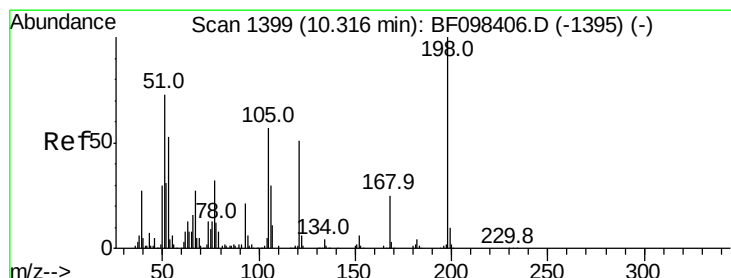
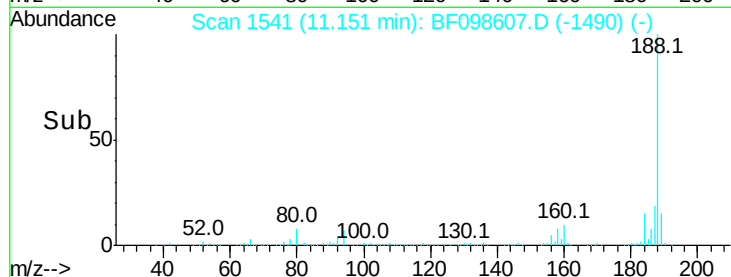
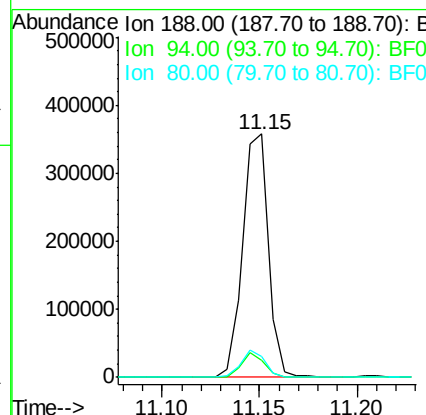
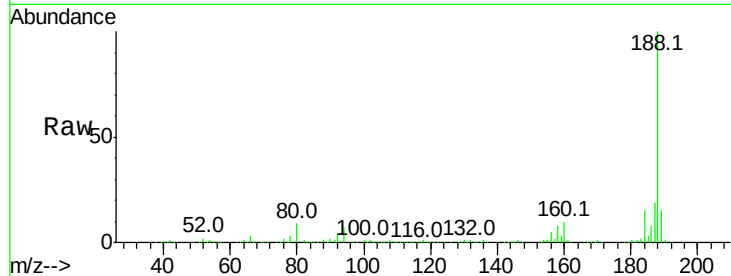




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.15 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BF098607.D
 Acq: 18 Sep 2017 17:36

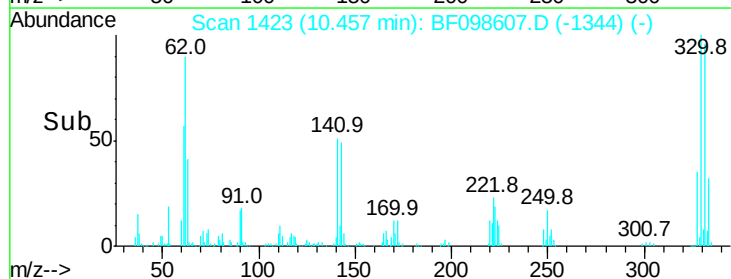
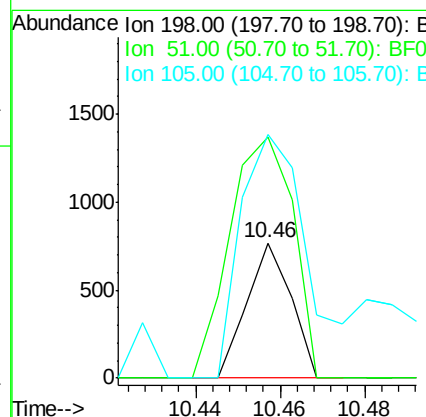
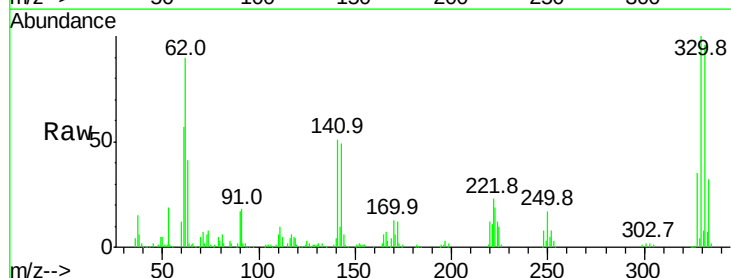
Instrument :
 BNA_F
 ClientSampleId :

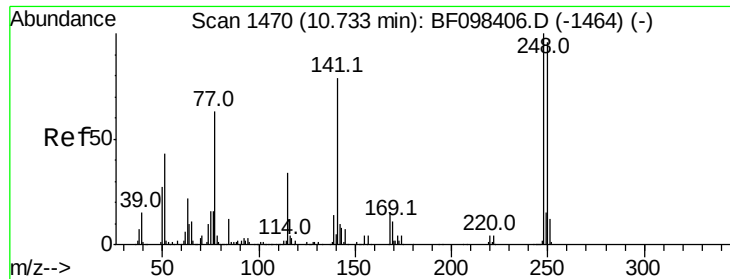
Tot Ion:188 Resp: 327037
 Ion Ratio Lower Upper
 188 100
 94 7.3 9.4 14.2#
 80 8.6 10.2 15.2#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.214 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. 0.16 min
 Lab File: BF098607.D
 Acq: 18 Sep 2017 17:36

Tgt Ion:198 Resp: 558
 Ion Ratio Lower Upper
 198 100
 51 178.8 53.2 93.2#
 105 180.2 45.8 85.8#

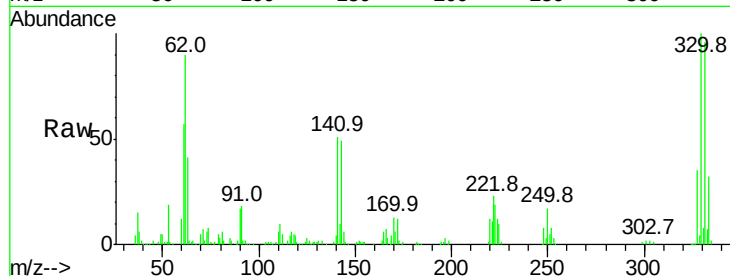




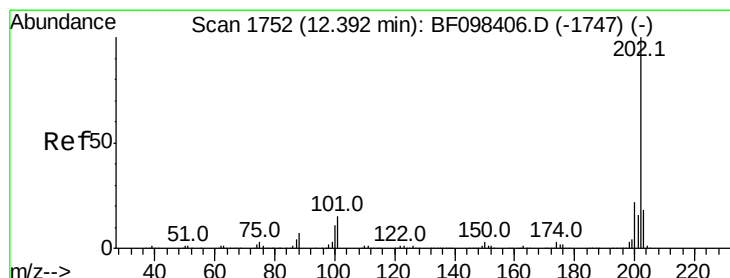
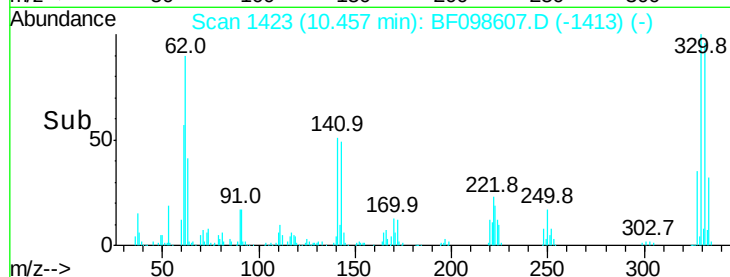
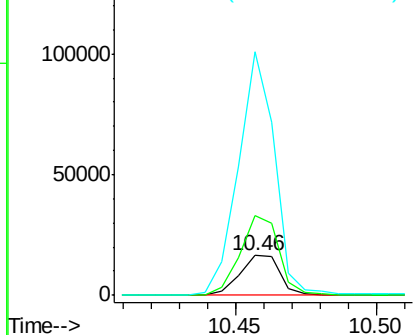
#66
 4-Bromophenyl-phenylether
 Concen: 5.195 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.24 min
 Lab File: BF098607.D
 Acq: 18 Sep 2017 17:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 16124
 Ion Ratio Lower Upper
 248 100
 250 201.2 76.8 115.2#
 141 610.3 68.6 103.0#

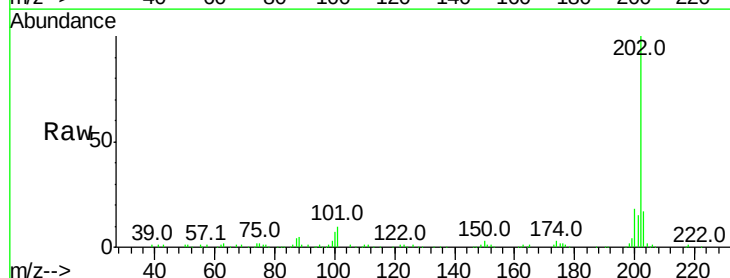


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

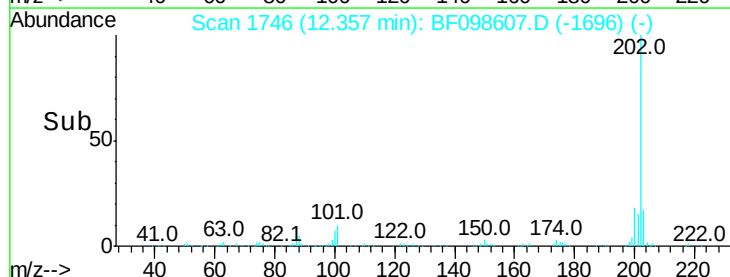
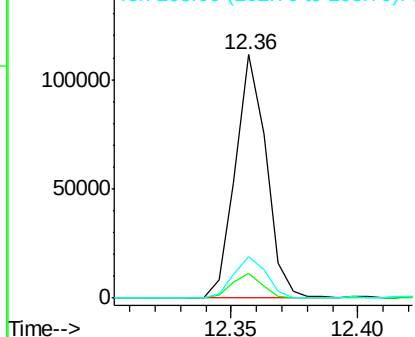


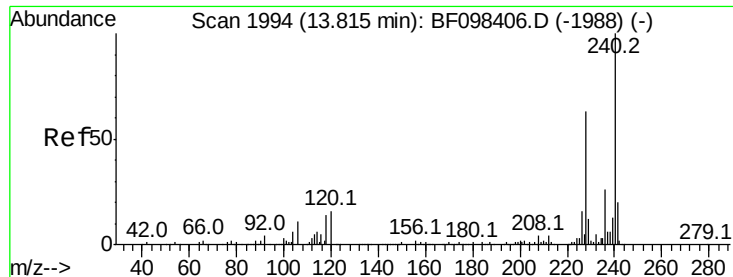
#74
 Fluoranthene
 Concen: 5.458 ng
 RT: 12.36 min Scan# 1746
 Delta R.T. -0.01 min
 Lab File: BF098607.D
 Acq: 18 Sep 2017 17:36

Tgt Ion:202 Resp: 94734
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 33.2
 203 16.8 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: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

Instrument :

BNA_F

ClientSampleId :

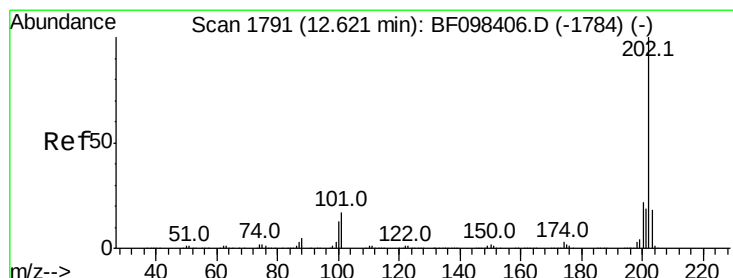
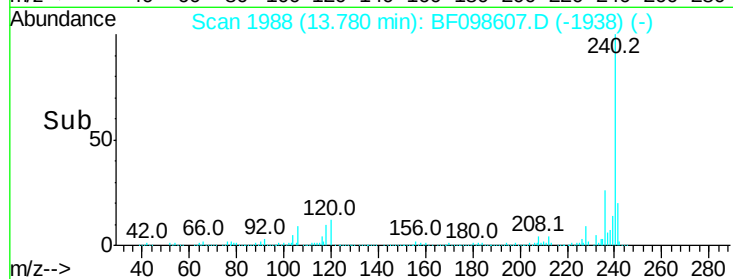
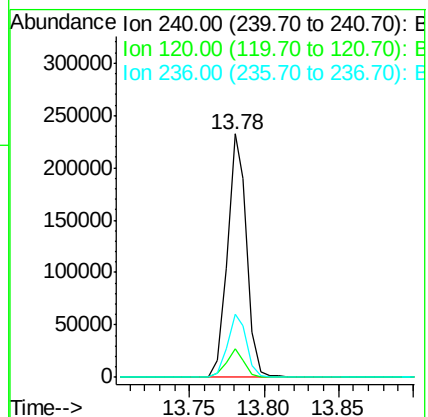
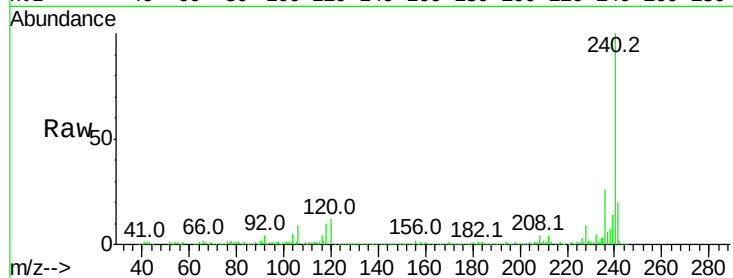
Tot Ion:240 Resp: 210787

Ion Ratio Lower Upper

240 100

120 11.9 5.8 8.8#

236 25.7 20.5 30.7



#77

Pyrene

Concen: 5.662 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

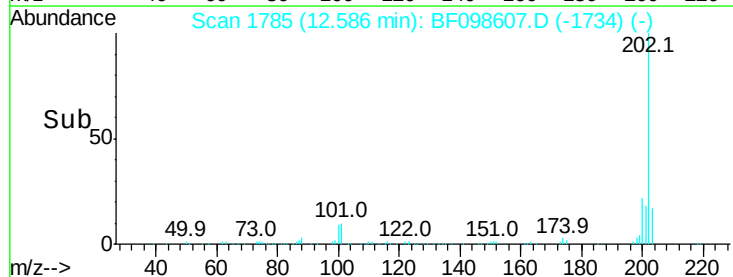
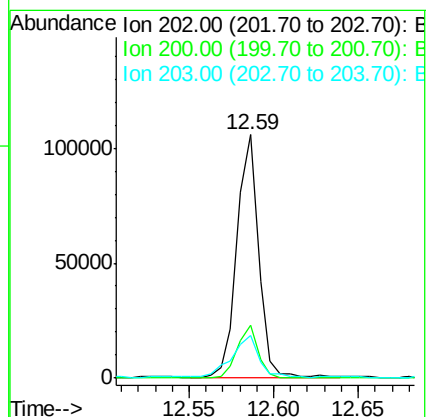
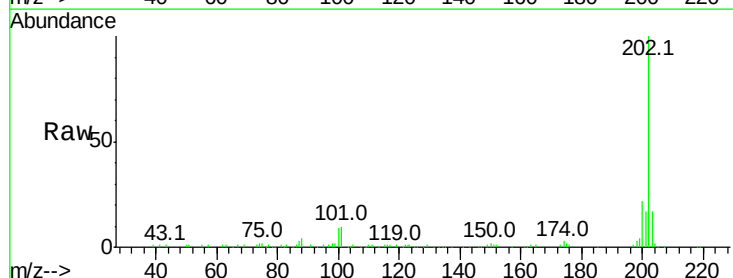
Tgt Ion:202 Resp: 94141

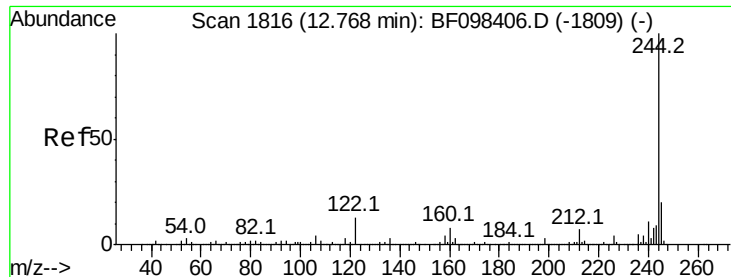
Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

203 17.3 14.4 21.6

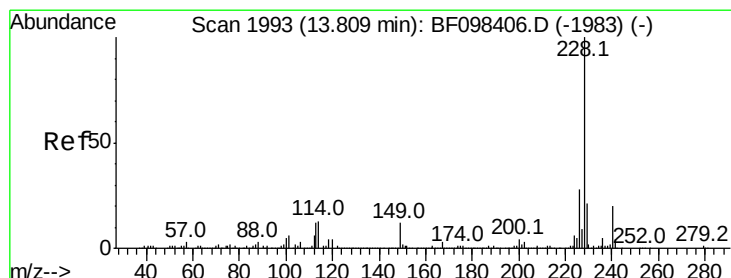
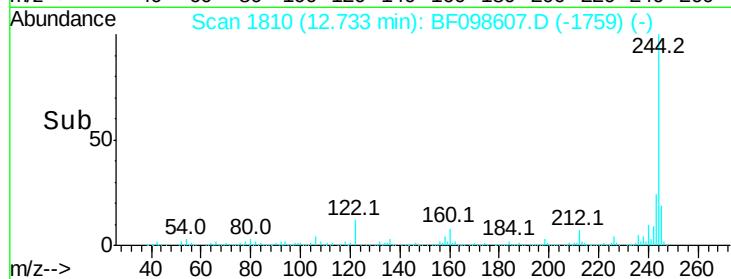
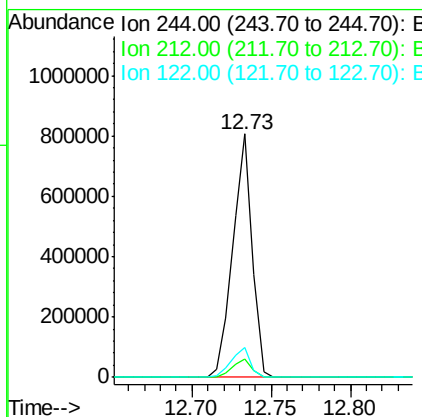
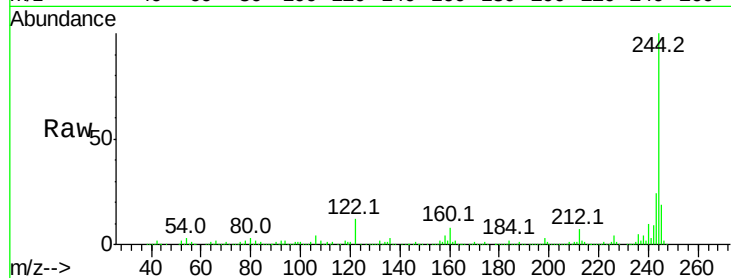




#78
 Terphenyl-d14
 Concen: 69.841 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: BF098607.D
 Acq: 18 Sep 2017 17:36

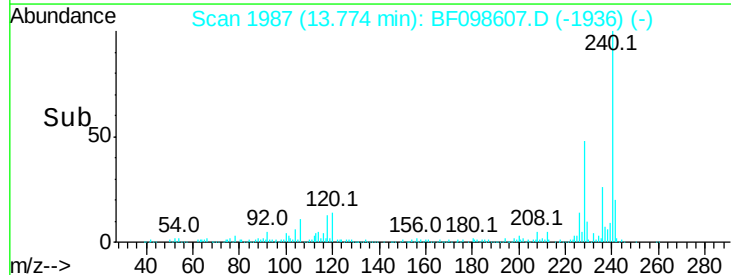
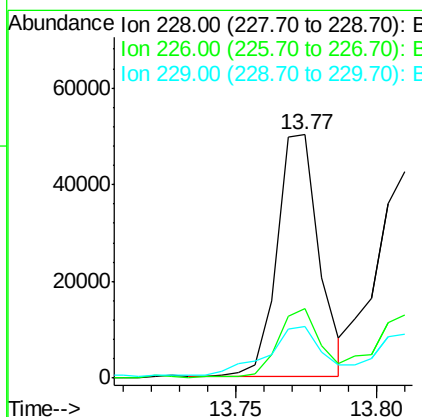
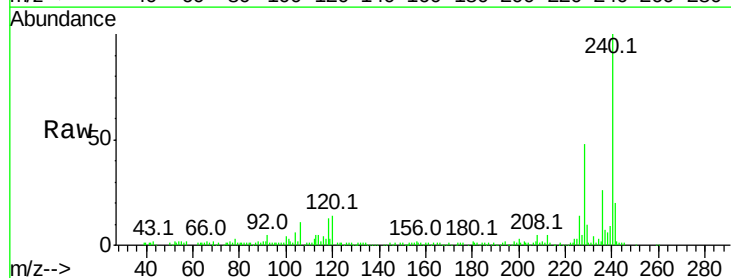
Instrument :
 BNA_F
 ClientSampleId :

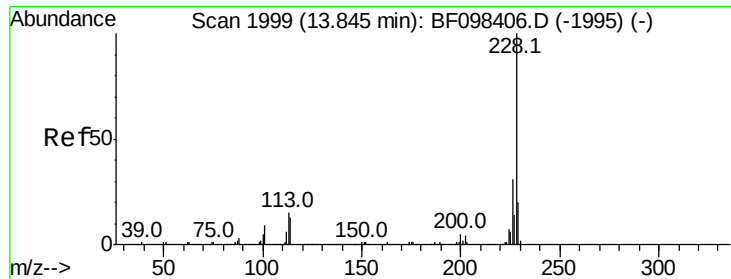
Tot Ion:244 Resp: 682044
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 12.0 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.195 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: BF098607.D
 Acq: 18 Sep 2017 17:36

Tgt Ion:228 Resp: 51841
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.6 33.8
 229 21.2 16.3 24.5





#82

Chrysene

Concen: 3.527 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

Instrument :

BNA_F

ClientSampleId :

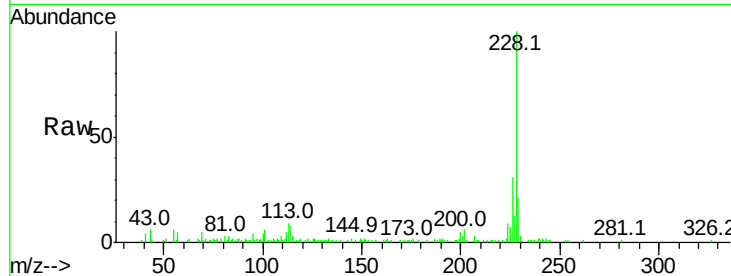
Tot Ion:228 Resp: 44054

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

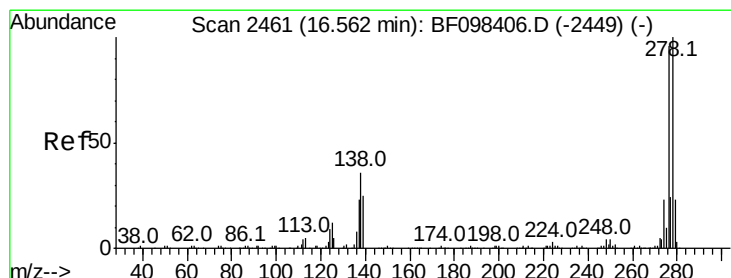
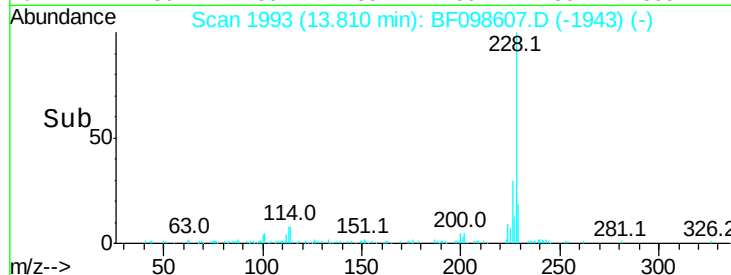
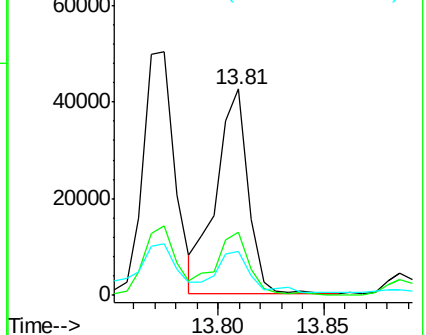
229 21.1 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.763 ng

RT: 16.50 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

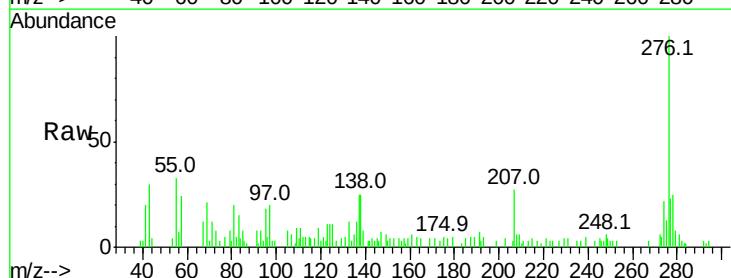
Tgt Ion:276 Resp: 24216

Ion Ratio Lower Upper

276 100

138 29.1 27.8 41.6

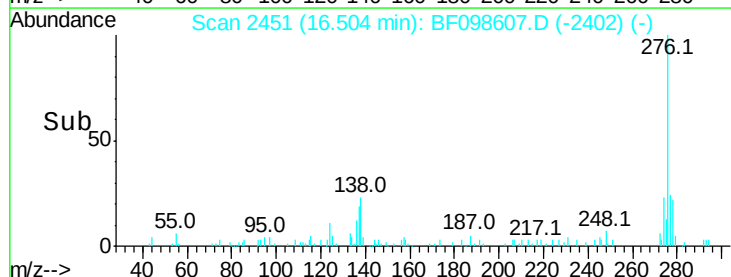
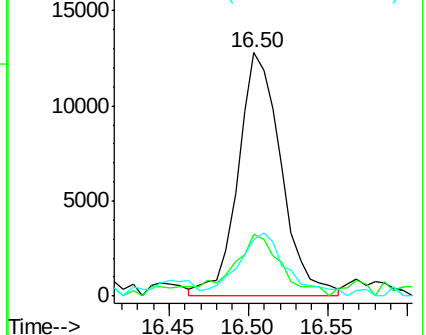
277 28.6 20.2 30.4

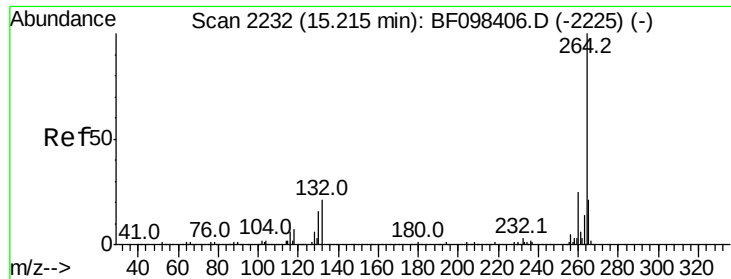


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.18 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

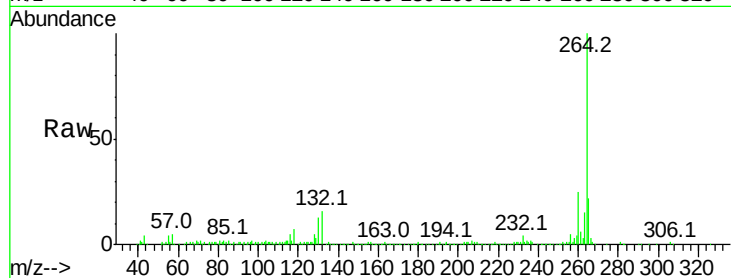
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 187829

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	22.2	17.2	25.8

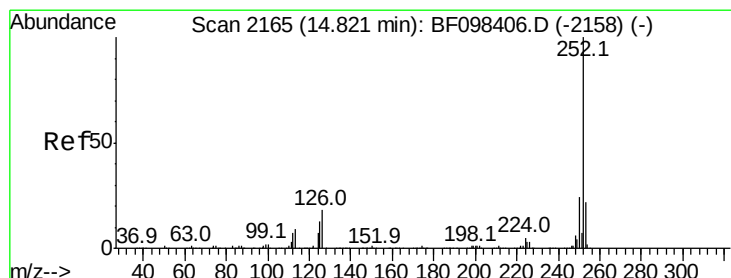
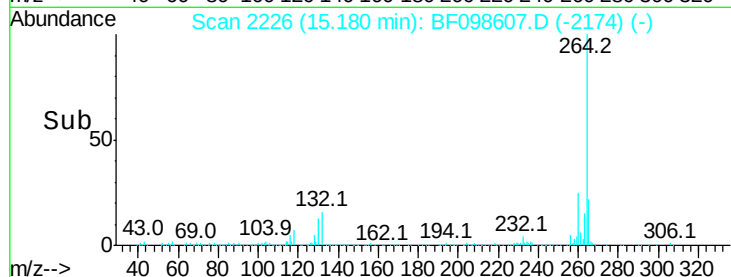
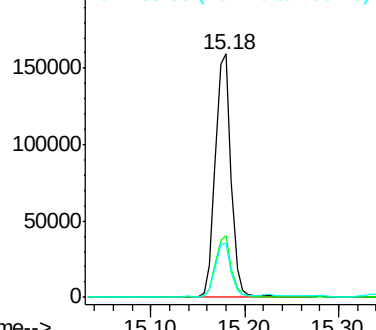


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 6.748 ng

RT: 14.79 min Scan# 2160

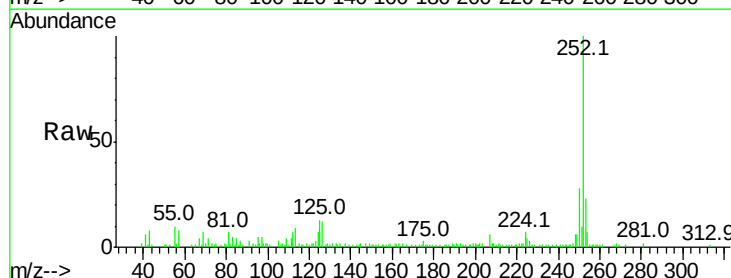
Delta R.T. 0.00 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

Tgt Ion:252 Resp: 79692

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	12.6	9.8	14.8

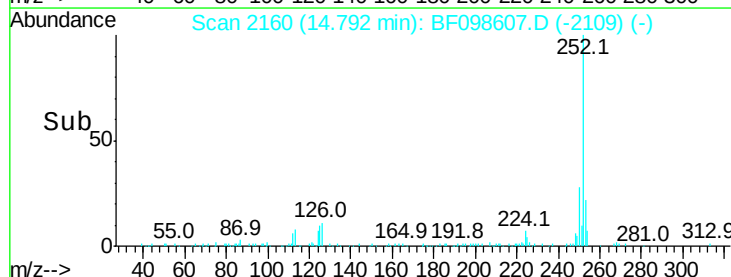
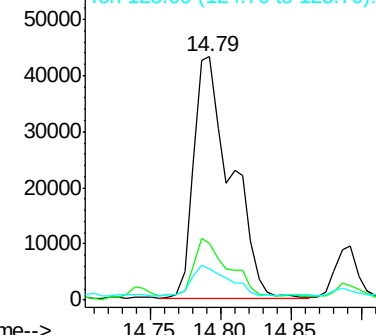


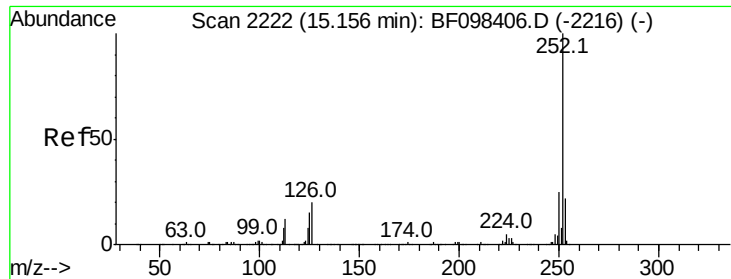
Abundance

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: 4.324 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

Instrument :

BNA_F

ClientSampleId :

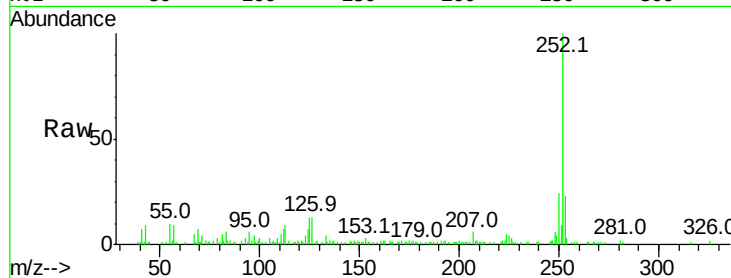
Tot Ion:252 Resp: 45491

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

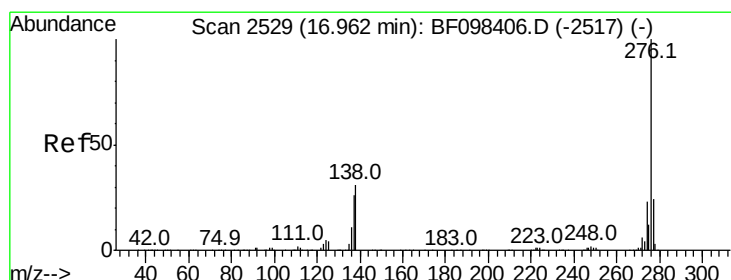
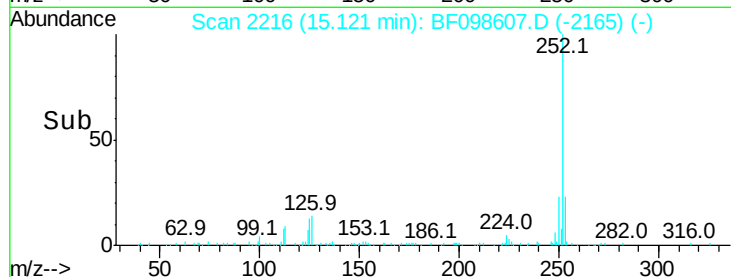
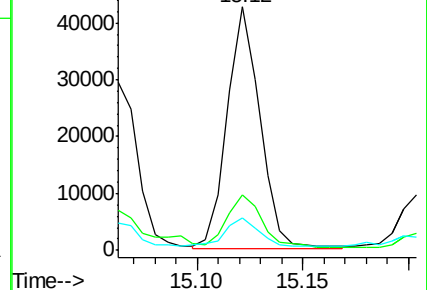
125 13.4 11.0 16.4



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(g,h,i)perylene

Concen: 3.026 ng

RT: 16.91 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BF098607.D

Acq: 18 Sep 2017 17:36

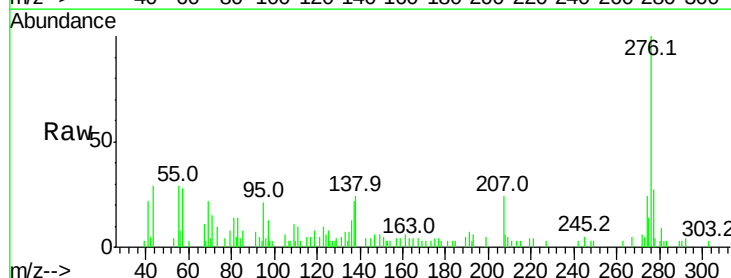
Tgt Ion:276 Resp: 23295

Ion Ratio Lower Upper

276 100

277 26.9 18.6 28.0

138 24.5 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

