

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098466.D
 Acq On : 12 Sep 2017 22:38
 Operator : SJ/JU
 Sample : I5140-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-10-0-10.5

Quant Time: Sep 13 01:02:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	201649	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	782593	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	301743	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	464679	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	370644	20.00	ng	0.00
86) Perylene-d12	15.21	264	287121	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1306330	95.78	ng	0.00
7) Phenol-d6	6.32	99	1590336	91.84	ng	0.00
23) Nitrobenzene-d5	7.23	82	966065	68.82	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	188000	93.35	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1207736	67.84	ng	-0.01
78) Terphenyl-d14	12.76	244	771532	44.93	ng	-0.01

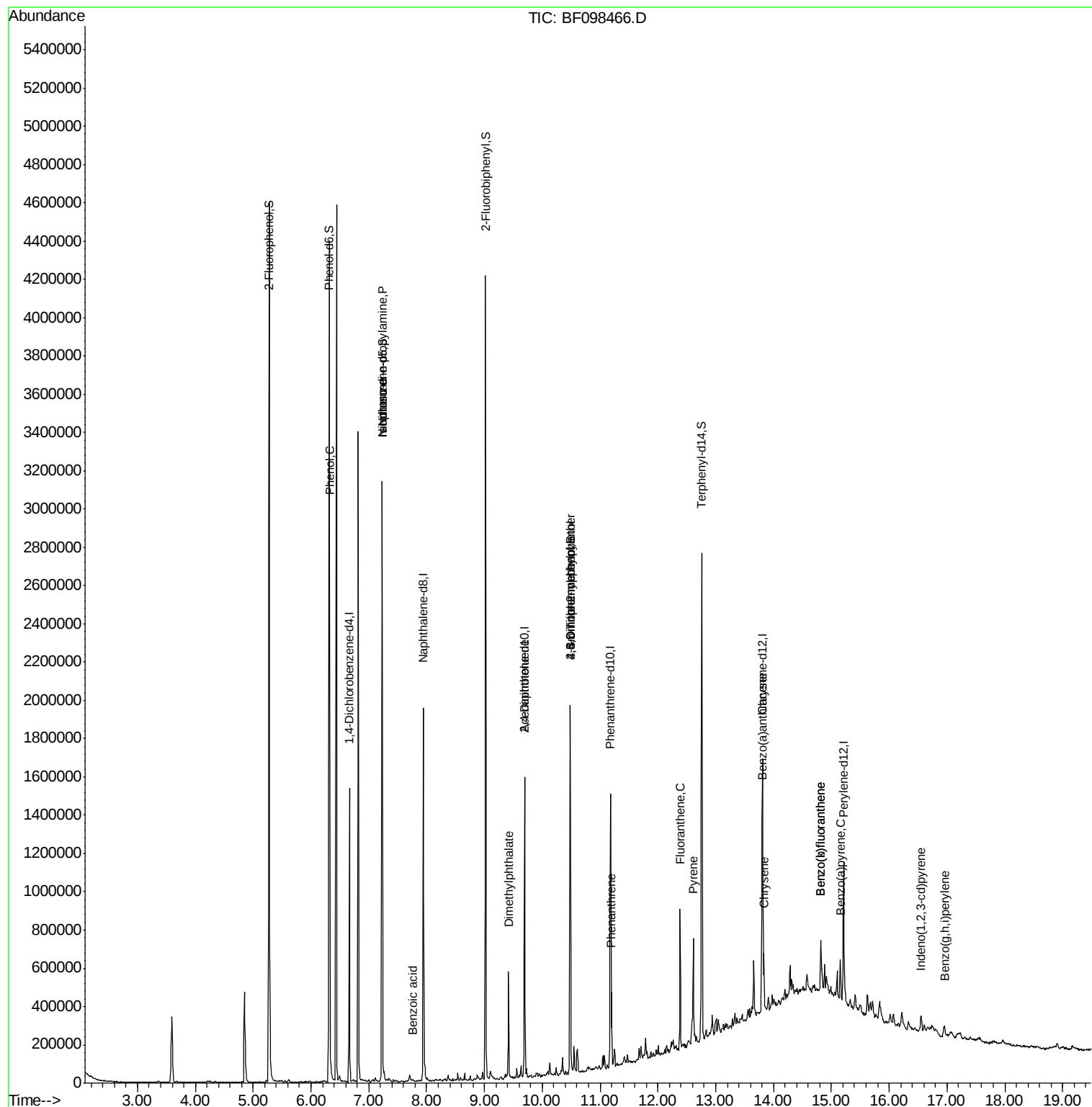
Target Compounds				Qvalue		
10) Phenol	6.33	94	42177	2.097	ng	97
19) n-Nitroso-di-n-propylamine	7.23	70	126902	11.651	ng	# 81
25) Isophorone	7.23	82	955801	33.653	ng	# 67
32) Benzoic acid	7.77	122	439	8.014	ng	# 69
49) Dimethylphthalate	9.42	163	199875	8.557	ng	99
56) 2,4-Dinitrotoluene	9.69	165	39458	6.765	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.49	198	406	5.092	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	14378	3.260	ng	# 1
70) Phenanthrene	11.20	178	125471	5.093	ng	98
74) Fluoranthene	12.39	202	261933	10.622	ng	98
77) Pyrene	12.62	202	230079	7.869	ng	99
80) Benzo(a)anthracene	13.80	228	112885	5.195	ng	99
82) Chrysene	13.83	228	106942	4.869	ng	94
85) Indeno(1,2,3-cd)pyrene	16.55	276	40231	2.611	ng	97
87) Benzo(b)fluoranthene	14.82	252	160965	8.916	ng	# 91
88) Benzo(k)fluoranthene	14.82	252	160965	9.551	ng	# 95
89) Benzo(a)pyrene	15.15	252	80112	4.981	ng	# 89
91) Benzo(g,h,i)perylene	16.96	276	39970	3.397	ng	95

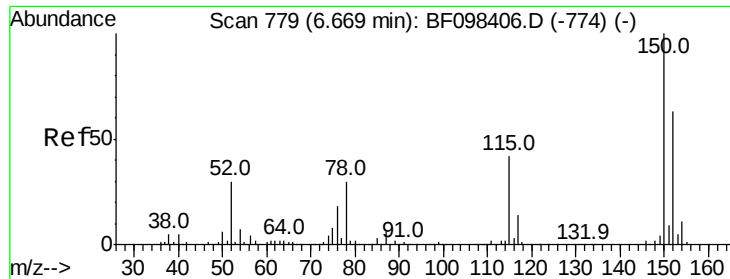
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.66 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

ClientSampleId :

RL-10-0-10.5

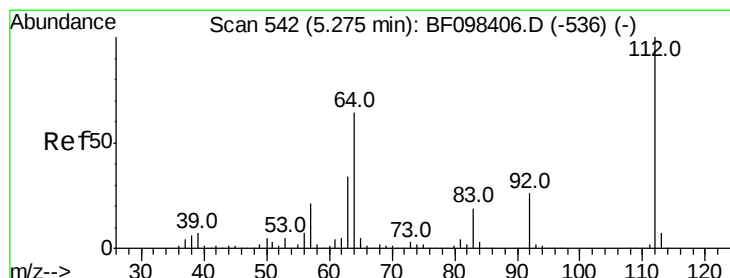
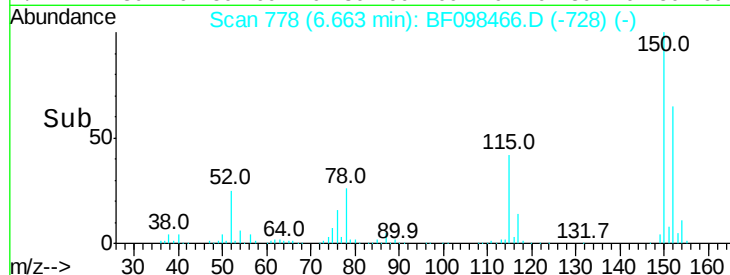
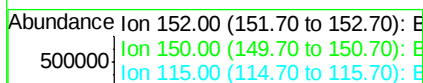
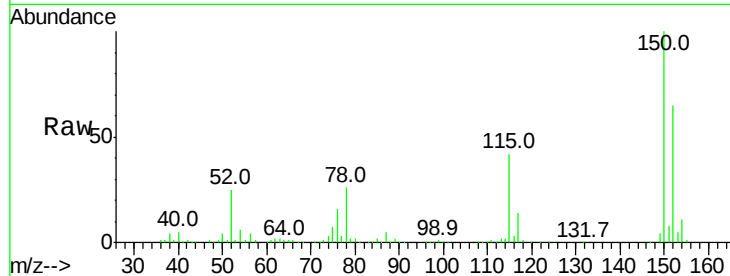
Tot Ion:152 Resp: 201649

Ion Ratio Lower Upper

152 100

150 154.9 126.2 189.2

115 65.3 52.2 78.2



#5

2-Fluorophenol

Concen: 95.782 ng

RT: 5.27 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

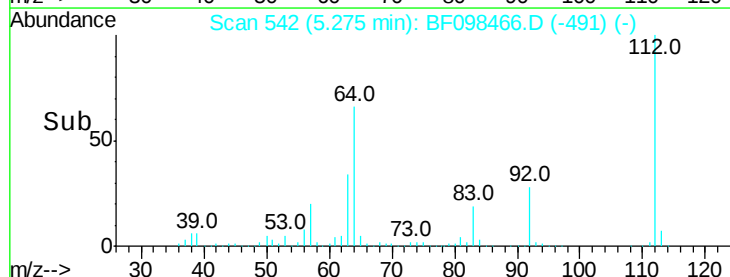
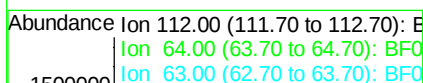
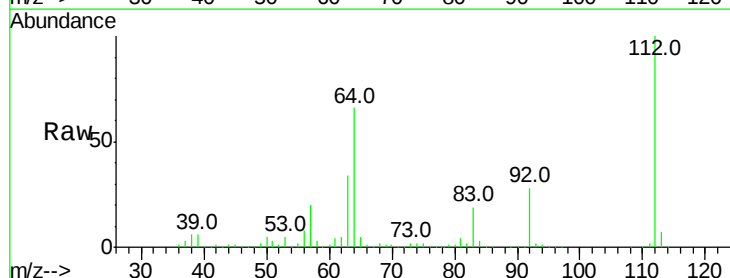
Tgt Ion:112 Resp: 1306330

Ion Ratio Lower Upper

112 100

64 66.0 46.0 69.0

63 34.4 23.4 35.0





#7

Phenol-d6

Concen: 91.840 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

ClientSampleId :

RL-10-0-10.5

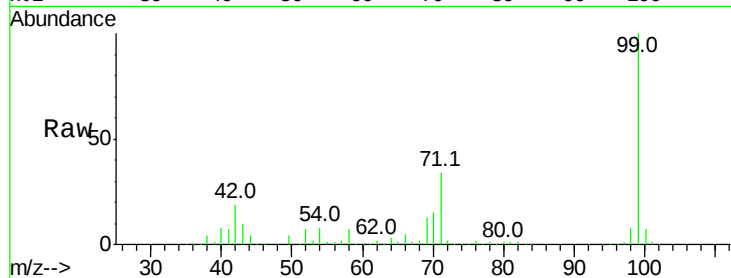
Tot Ion: 99 Resp: 1590336

Ion Ratio Lower Upper

99 100

42 19.4 13.5 20.3

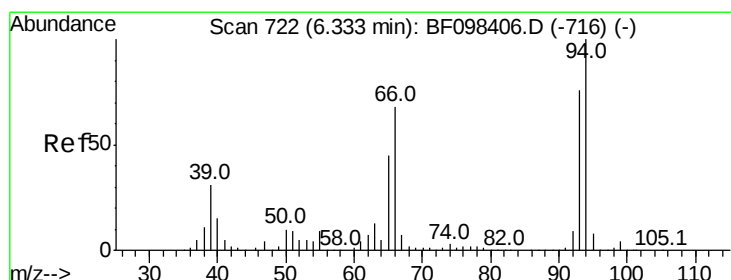
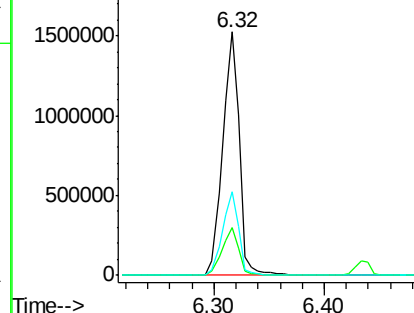
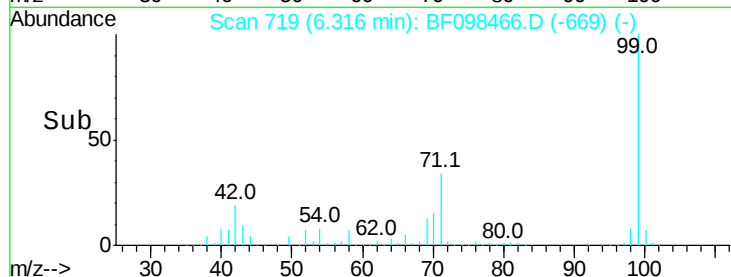
71 34.2 24.5 36.7



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: 2.097 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

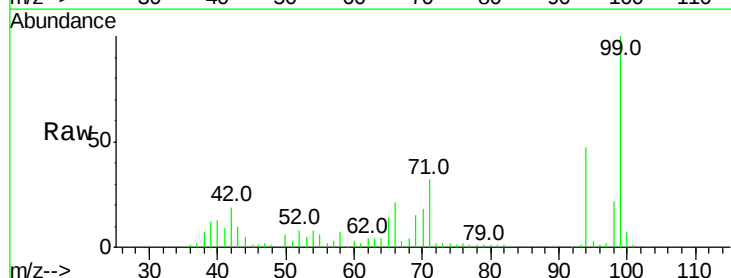
Tgt Ion: 94 Resp: 42177

Ion Ratio Lower Upper

94 100

65 30.7 9.9 49.9

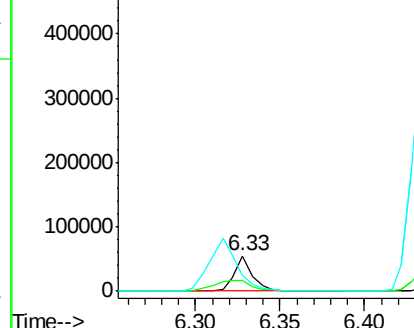
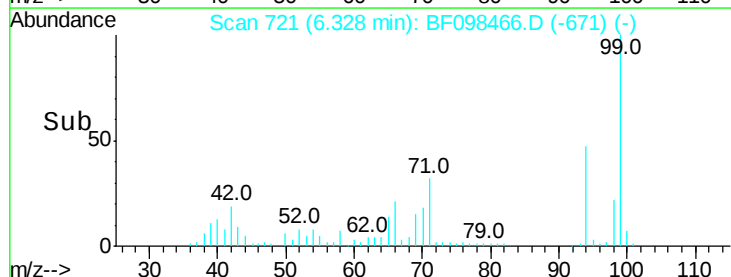
66 45.4 23.1 63.1

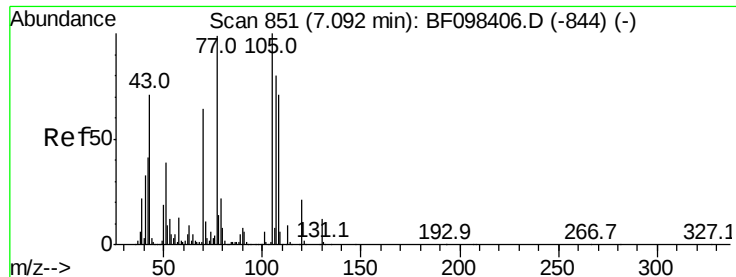


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 11.651 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

ClientSampleId :

RL-10-0-10.5

Tot Ion: 70 Resp: 126902

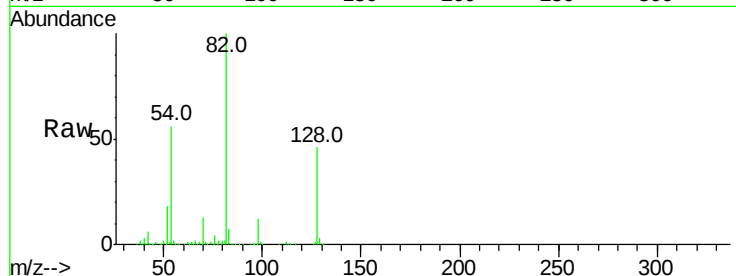
Ion Ratio Lower Upper

70 100

42 49.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

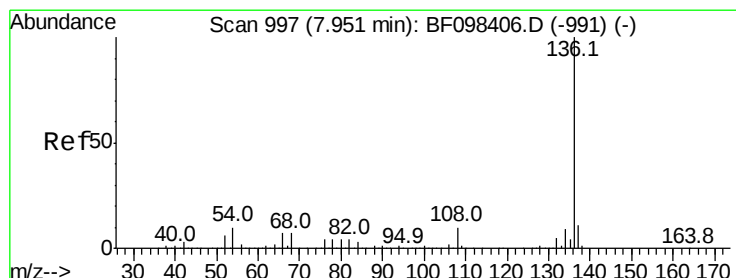
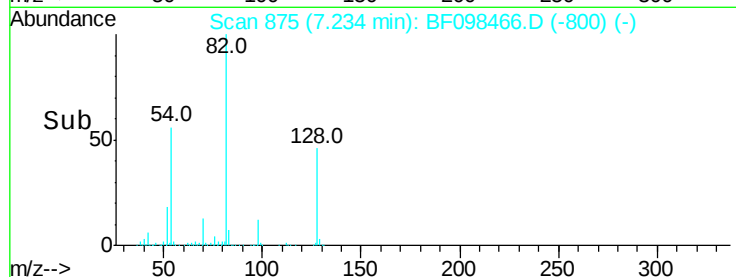
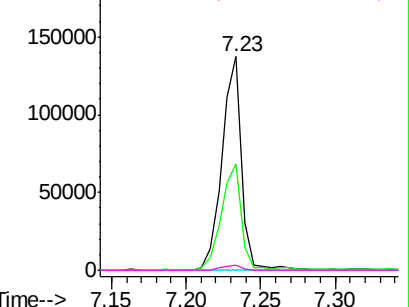


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Tgt Ion:136 Resp: 782593

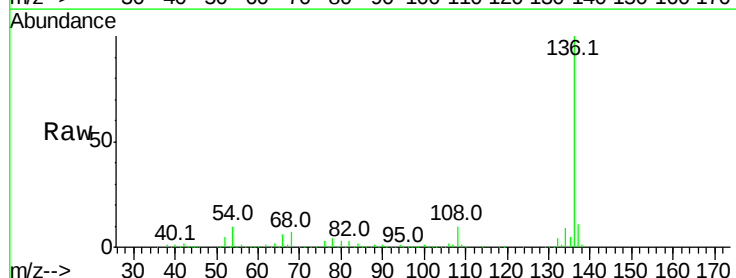
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 9.9 4.9 7.3#

68 6.9 4.1 6.1#

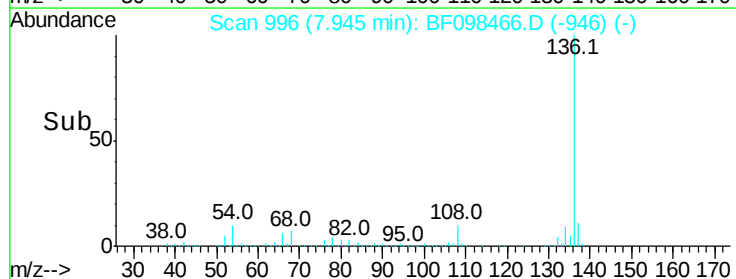
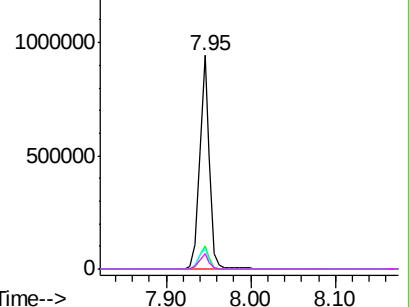


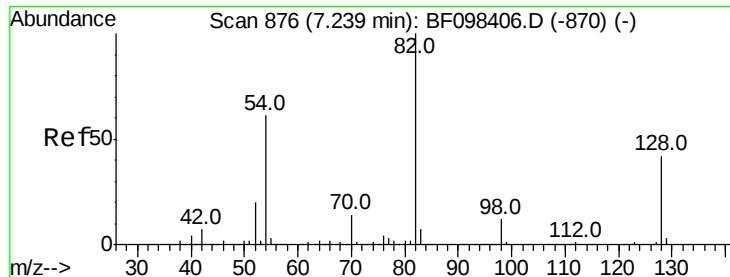
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

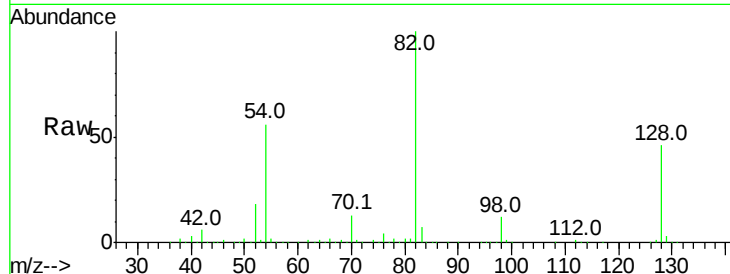




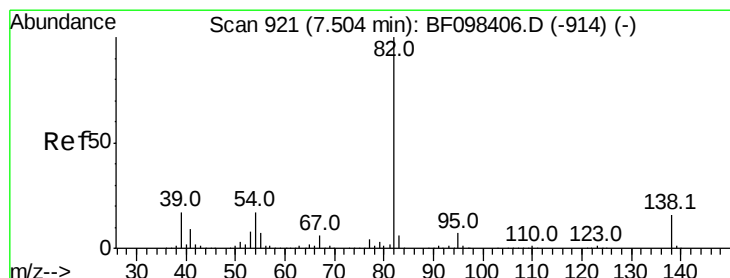
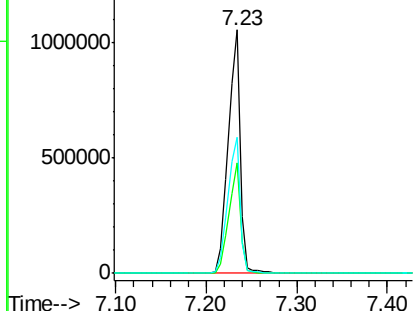
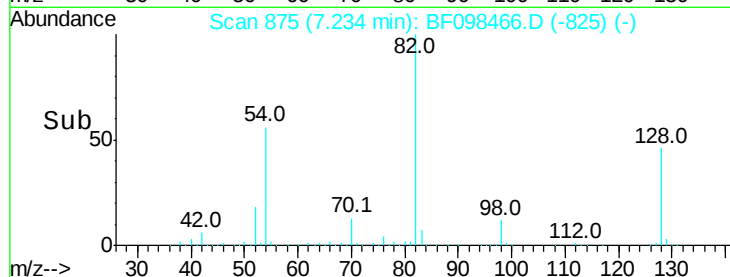
#23
Nitrobenzene-d5
Concen: 68.820 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Instrument :
BNA_F
ClientSampleId :
RL-10-0-10.5

Tot Ion	82	Resp	966065
Ion Ratio	Lower	Upper	
82	100		
128	45.5	34.0	51.0
54	55.9	42.2	63.2

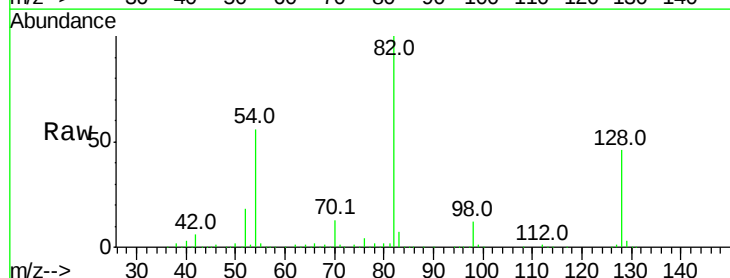


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

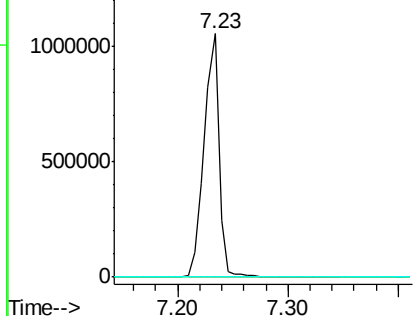
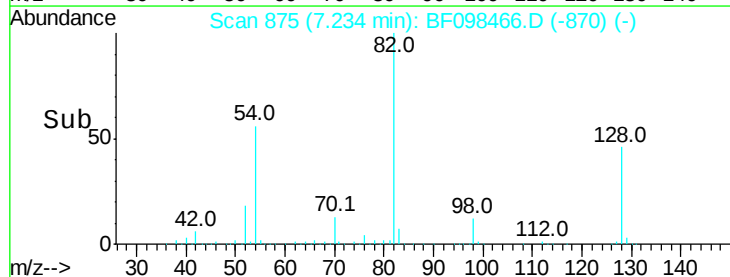


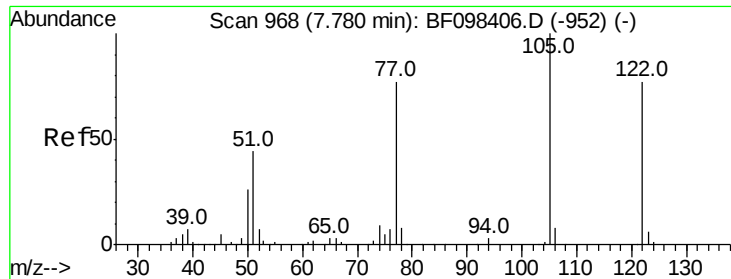
#25
Isophorone
Concen: 33.653 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.27 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Tgt Ion	82	Resp	955801
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

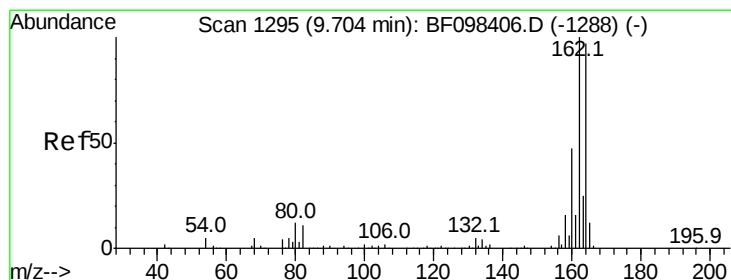
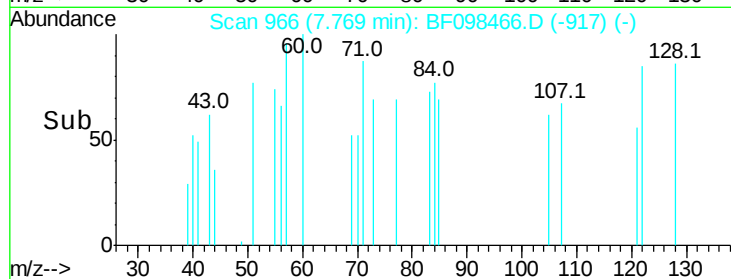
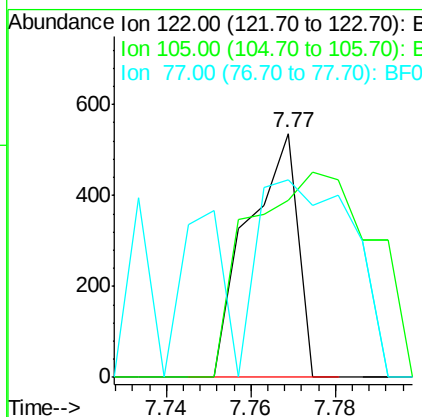
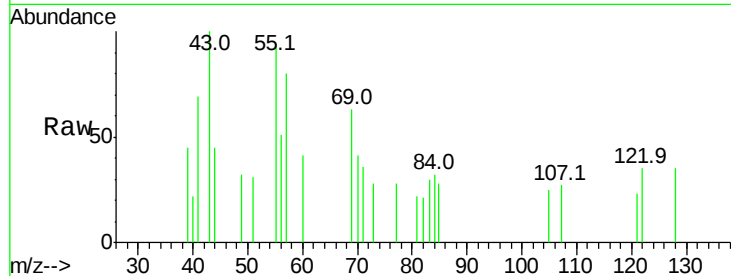




#32
Benzoic acid
Concen: 8.014 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

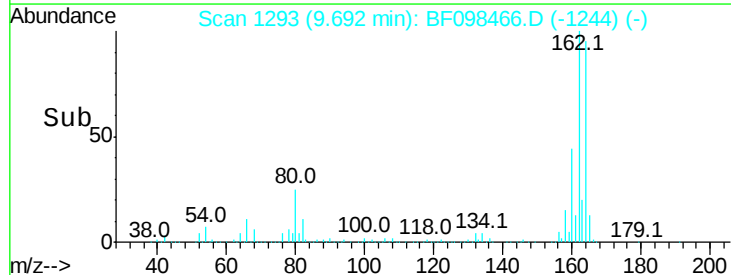
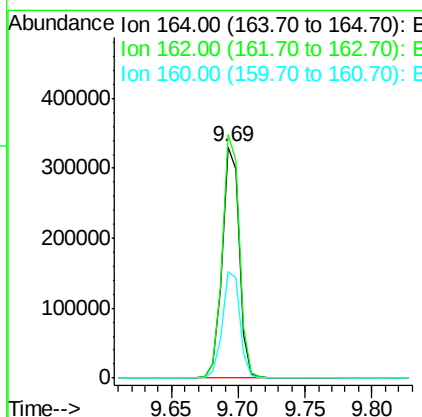
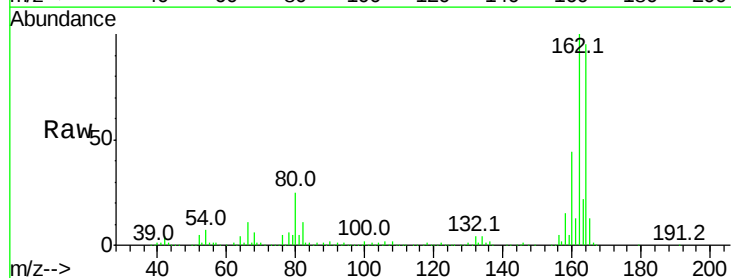
Instrument :
BNA_F
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RL-10-0-10.5

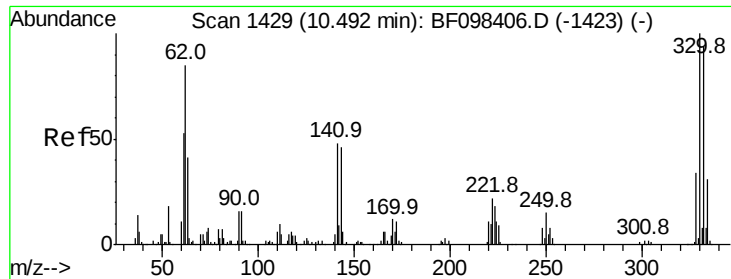
Tot Ion:122 Resp: 439
Ion Ratio Lower Upper
122 100
105 72.9 103.3 143.3#
77 81.3 73.7 113.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Tgt Ion:164 Resp: 301743
Ion Ratio Lower Upper
164 100
162 105.3 82.6 123.8
160 46.0 36.2 54.2

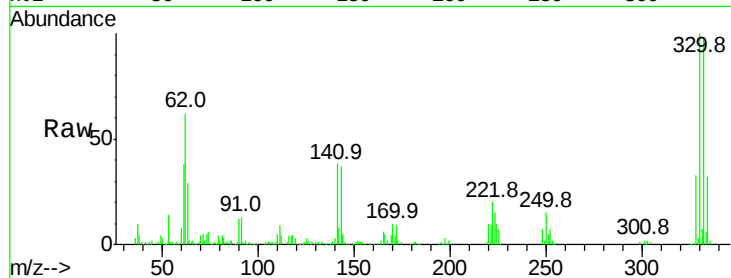




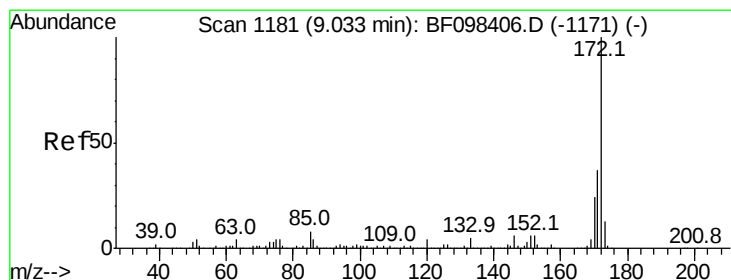
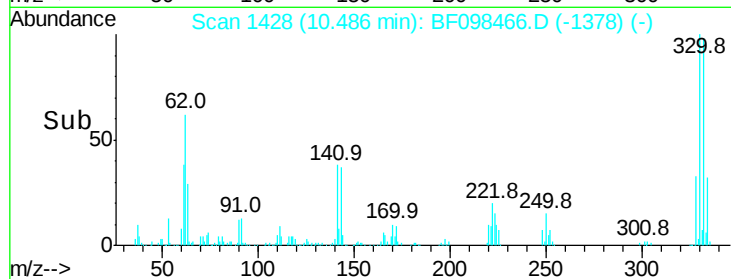
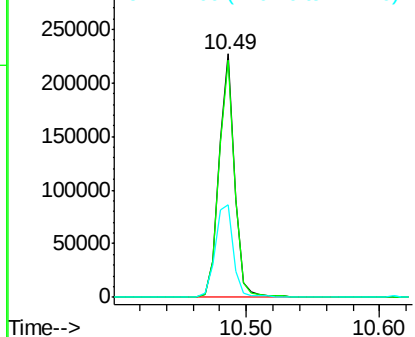
#41
 2,4,6-Tribromophenol
 Concen: 93.352 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098466.D
 Acq: 12 Sep 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 RL-10-0-10.5

Tot Ion:330 Resp: 188000
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 115.0
 141 45.0 31.4 47.2

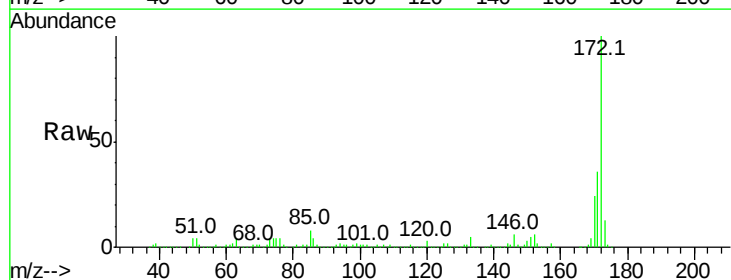


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

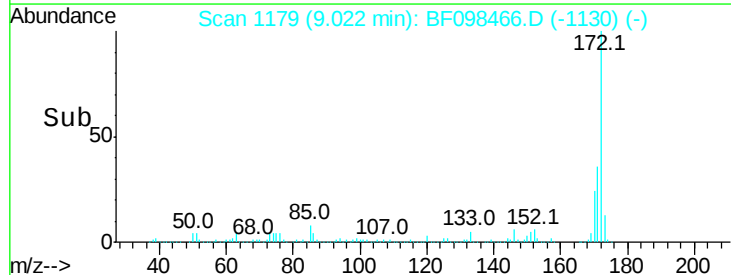
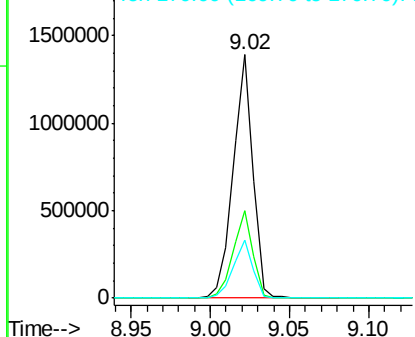


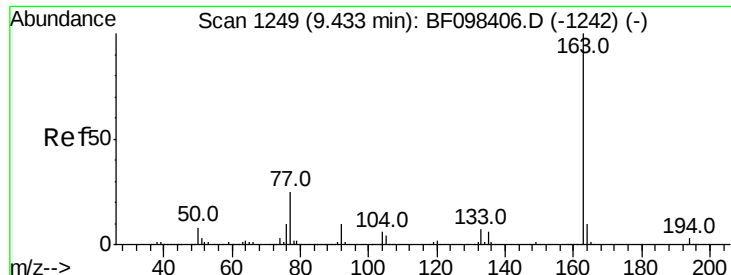
#44
 2-Fluorobiphenyl
 Concen: 67.840 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098466.D
 Acq: 12 Sep 2017 22:38

Tgt Ion:172 Resp: 1207736
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 23.7 19.8 29.8



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

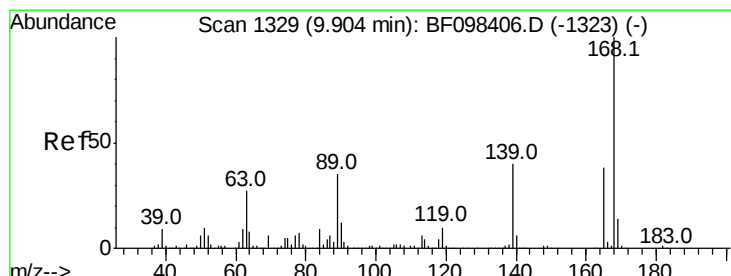
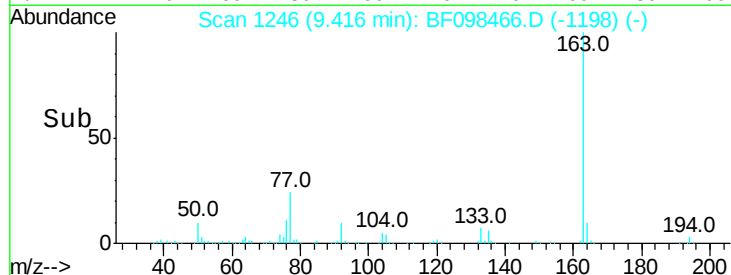
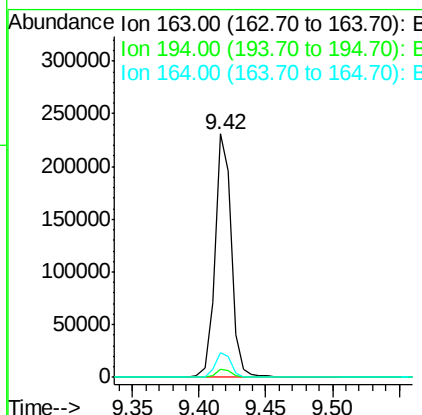
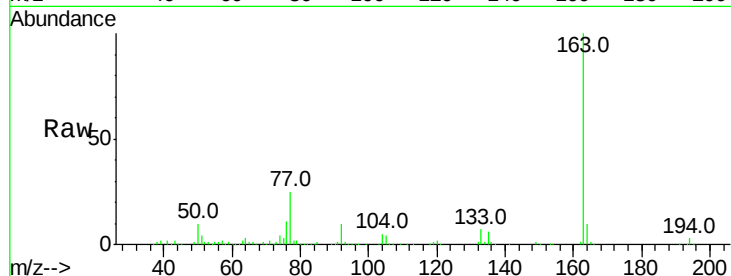




#49
Dimethylphthalate
Concen: 8.557 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

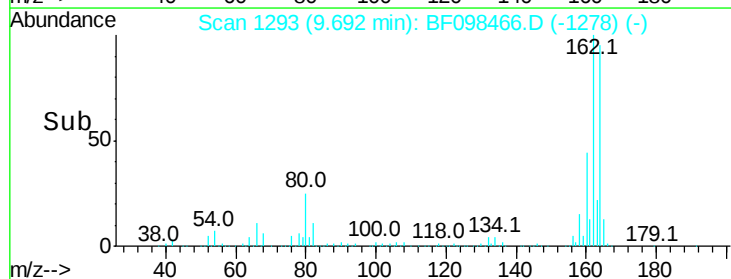
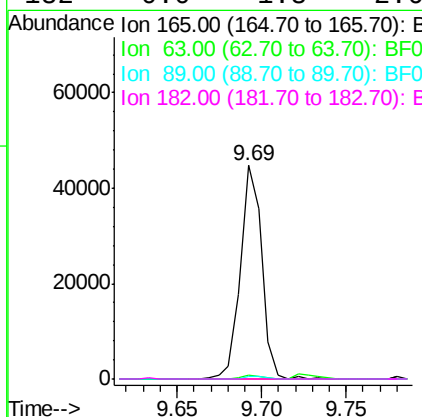
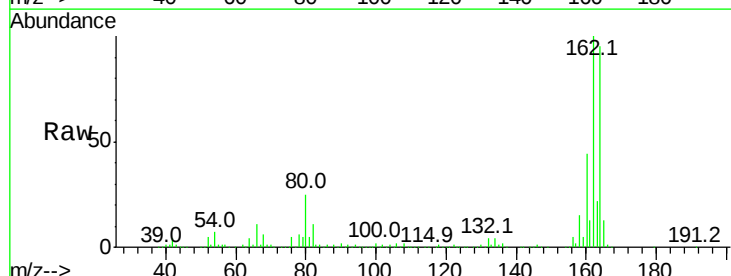
Instrument :
BNA_F
ClientSampleId :
RL-10-0-10.5

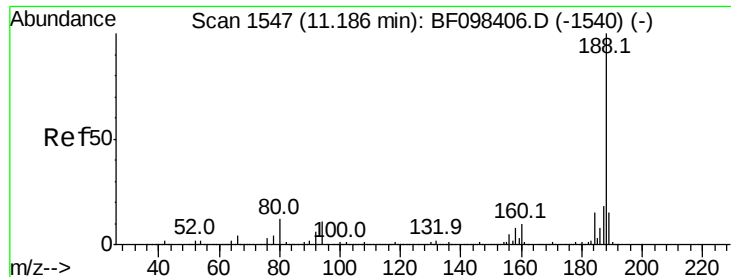
Tot Ion:163 Resp: 199875
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.2 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.765 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.21 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Tgt Ion:165 Resp: 39458
Ion Ratio Lower Upper
165 100
63 1.9 25.4 38.0#
89 1.4 46.4 69.6#
182 0.0 1.8 2.6#

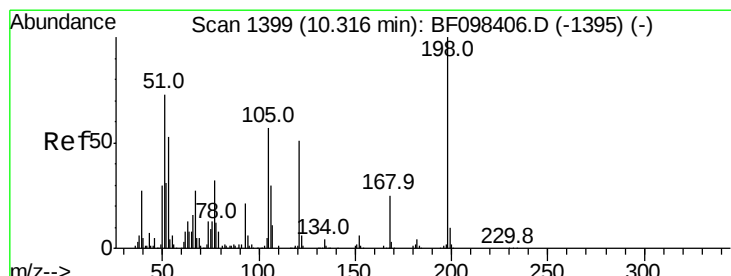
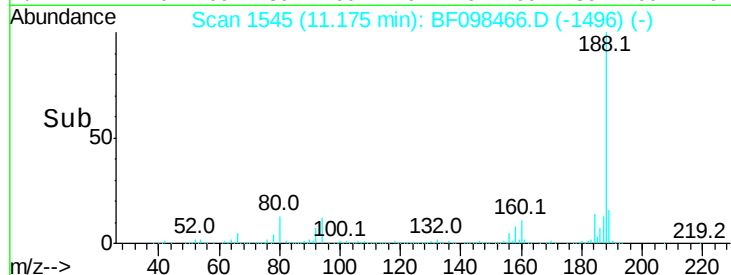
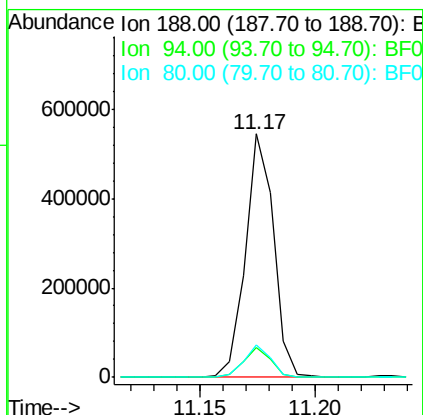
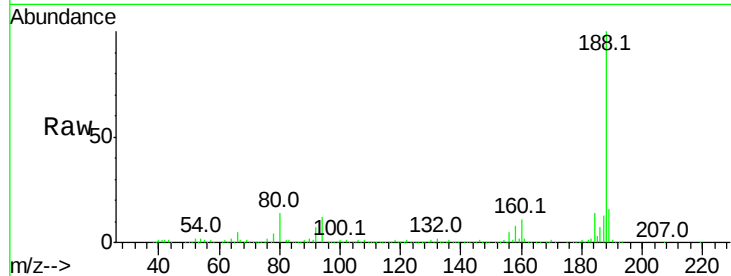




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF098466.D
 Acq: 12 Sep 2017 22:38

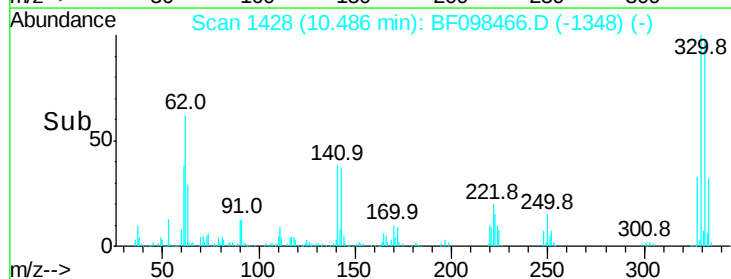
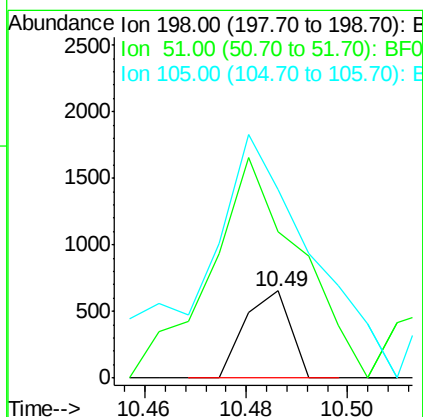
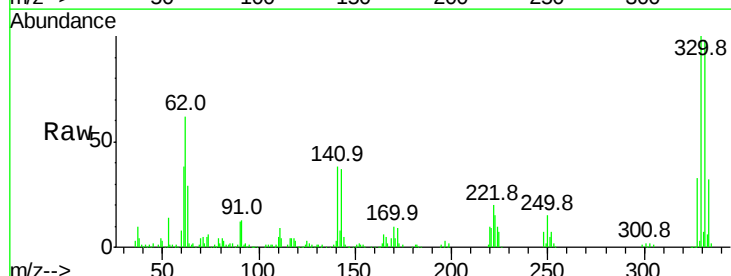
Instrument :
 BNA_F
 ClientSampleId :
 RL-10-0-10.5

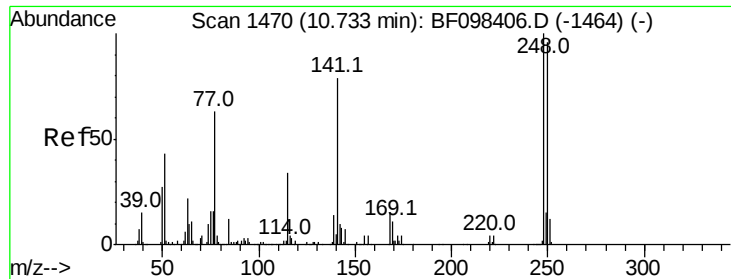
Tot Ion:188 Resp: 464679
 Ion Ratio Lower Upper
 188 100
 94 12.3 9.4 14.2
 80 13.5 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.092 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.17 min
 Lab File: BF098466.D
 Acq: 12 Sep 2017 22:38

Tgt Ion:198 Resp: 406
 Ion Ratio Lower Upper
 198 100
 51 168.4 53.2 93.2#
 105 215.7 45.8 85.8#

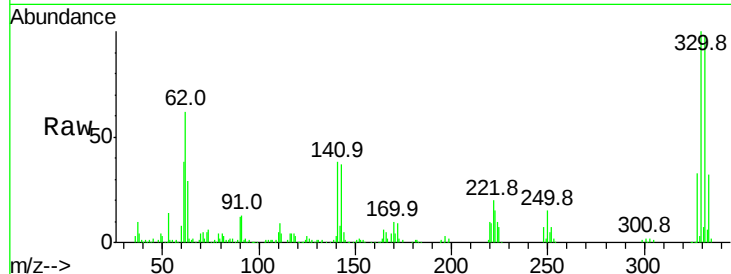




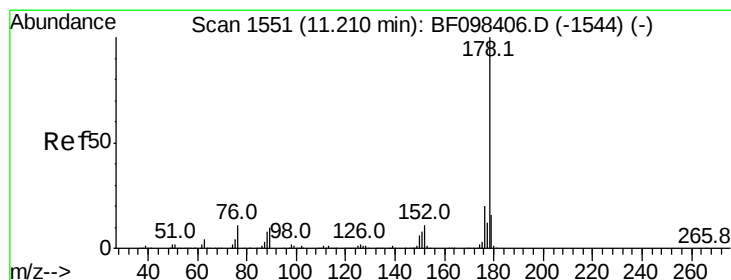
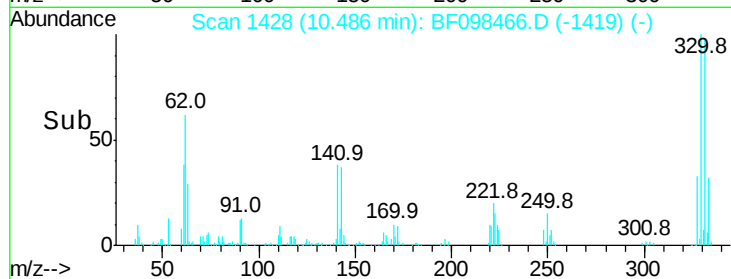
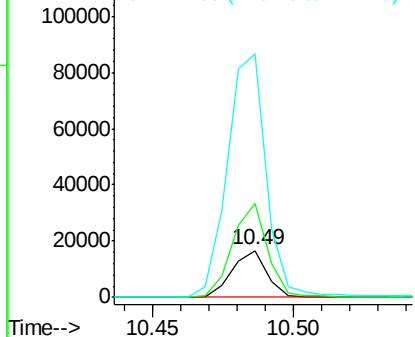
#66
 4-Bromophenyl-phenylether
 Concen: 3.260 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.25 min
 Lab File: BF098466.D
 Acq: 12 Sep 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 RL-10-0-10.5

Tot Ion:248 Resp: 14378
 Ion Ratio Lower Upper
 248 100
 250 198.5 76.8 115.2#
 141 517.6 68.6 103.0#

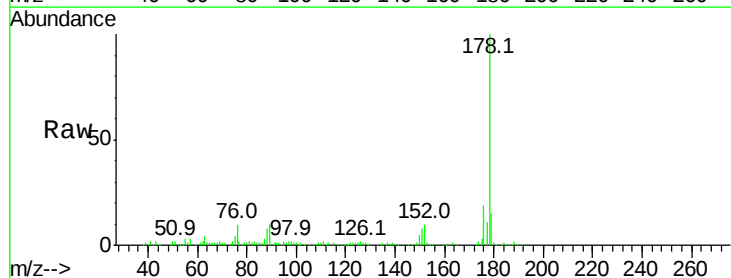


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

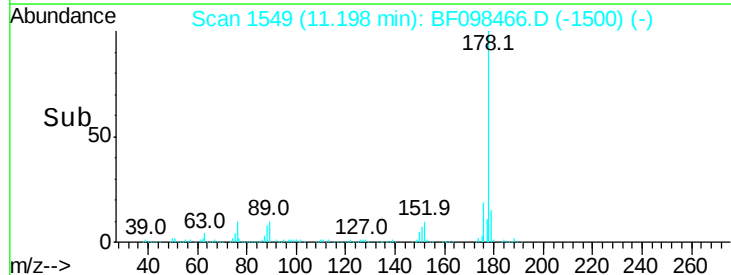
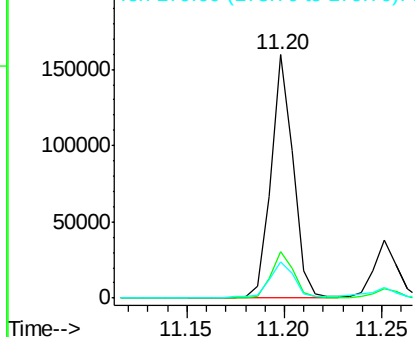


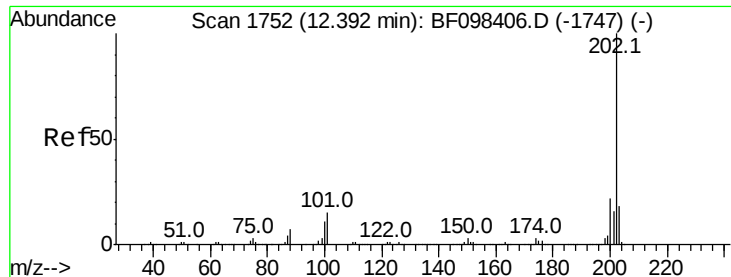
#70
 Phenanthrene
 Concen: 5.093 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF098466.D
 Acq: 12 Sep 2017 22:38

Tgt Ion:178 Resp: 125471
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.4
 179 15.1 12.6 19.0



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





#74

Fluoranthene

Concen: 10.622 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

ClientSampleId :

RL-10-0-10.5

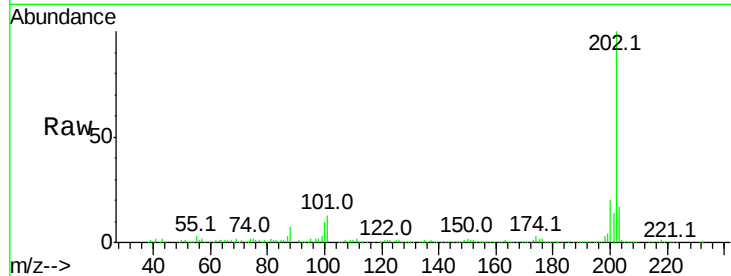
Tot Ion:202 Resp: 261933

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

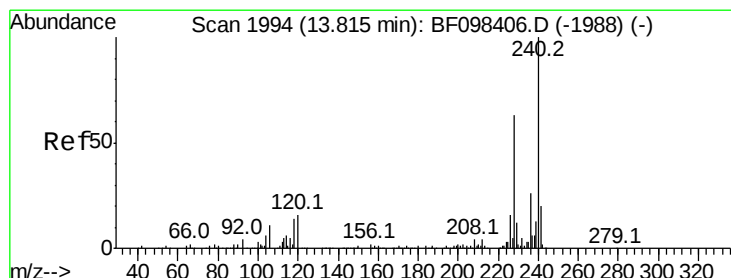
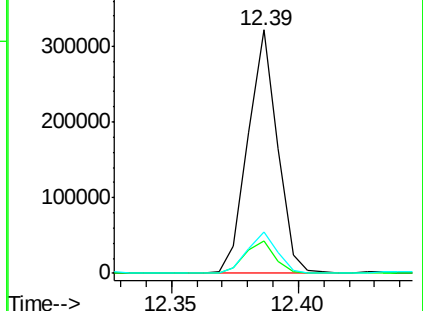
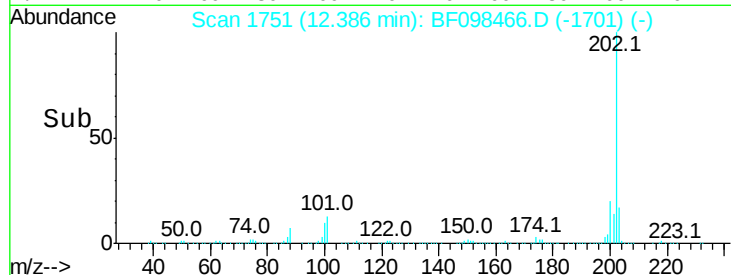
203 16.9 0.0 38.1



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: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

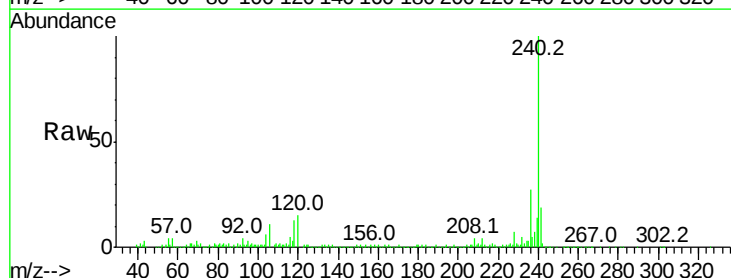
Tgt Ion:240 Resp: 370644

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

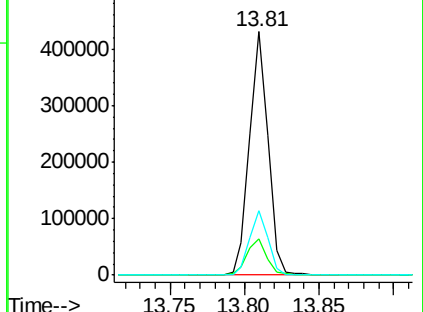
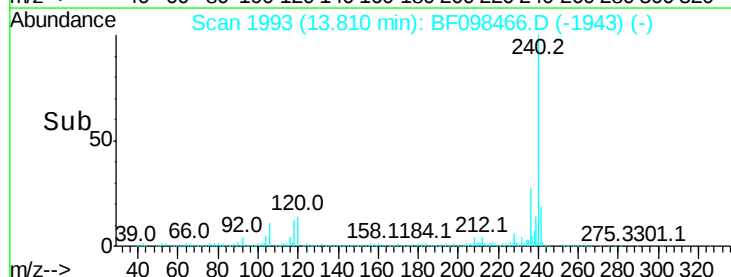
236 26.6 20.5 30.7

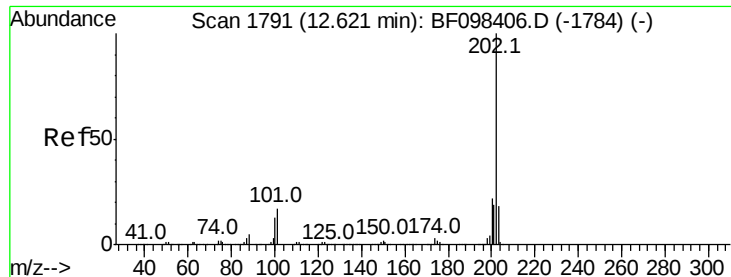


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.869 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

ClientSampleId :

RL-10-0-10.5

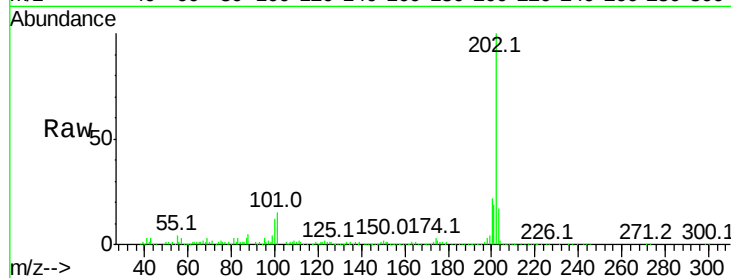
Tot Ion:202 Resp: 230079

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

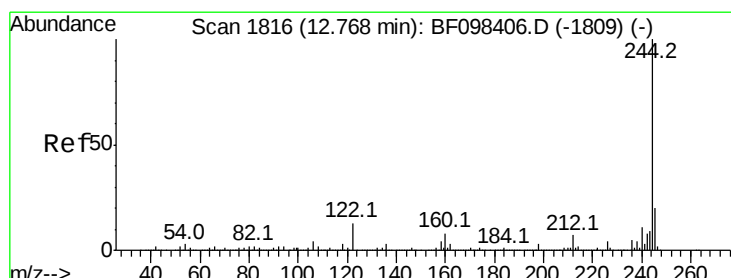
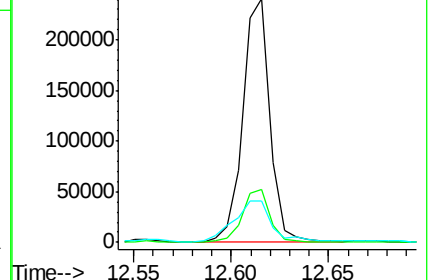
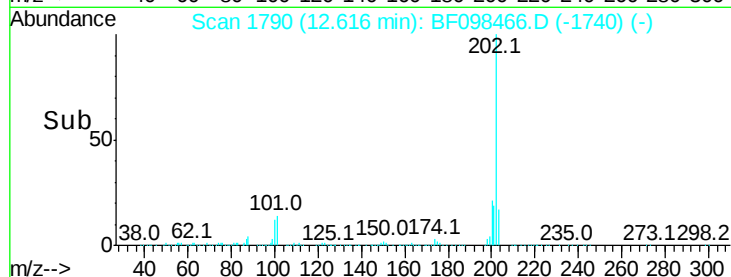
203 17.2 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 44.931 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

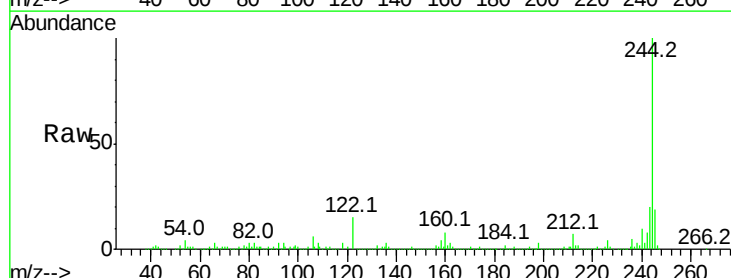
Tgt Ion:244 Resp: 771532

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

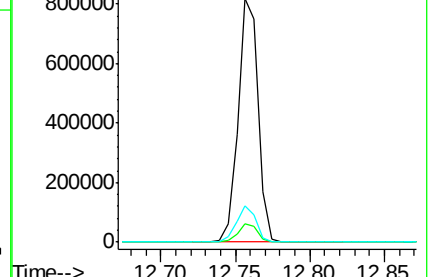
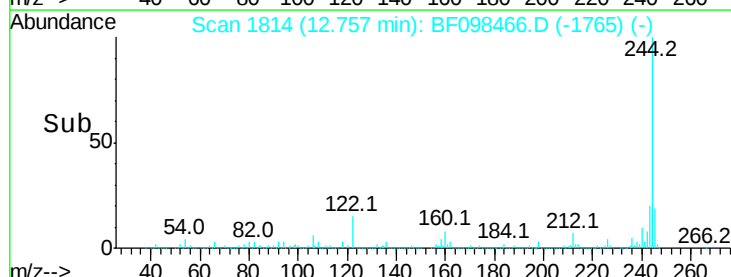
122 15.1 10.3 15.5

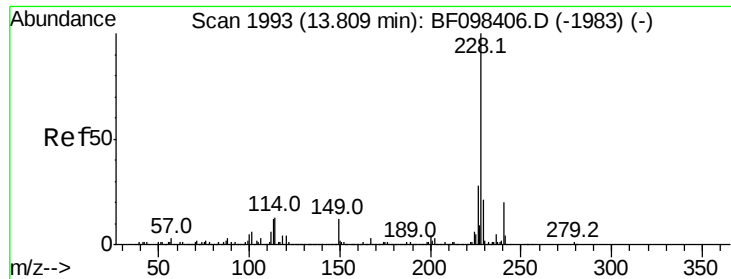


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

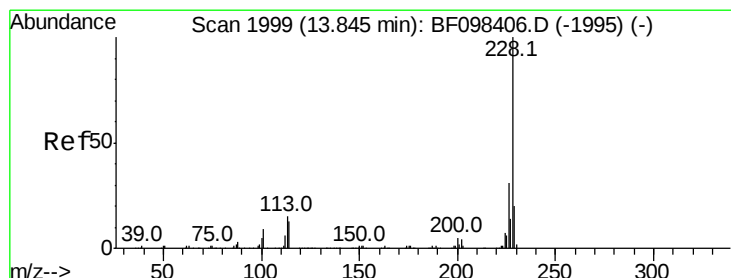
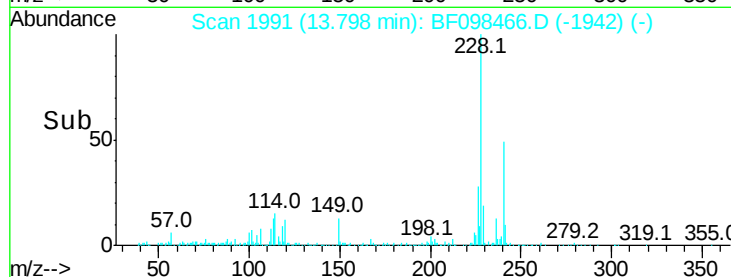
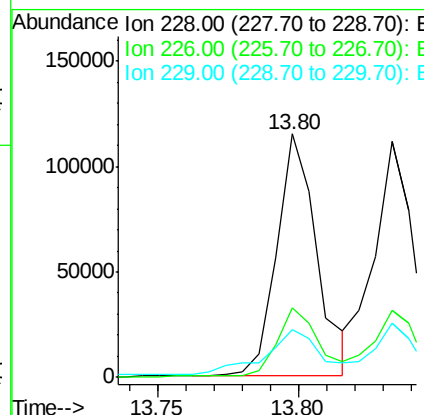
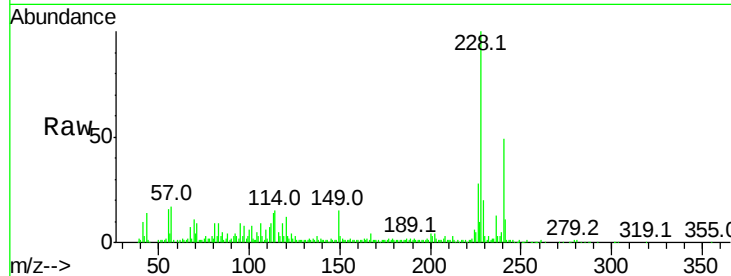




#80
Benzo(a)anthracene
Concen: 5.195 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

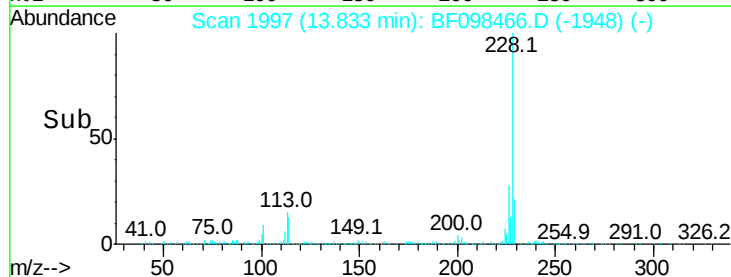
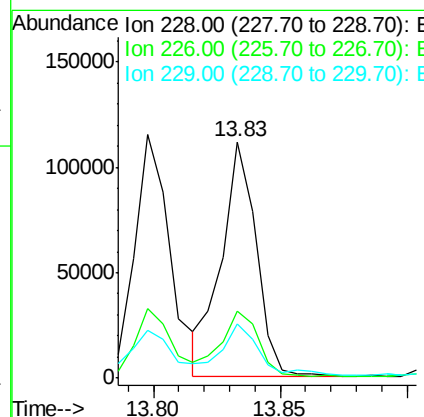
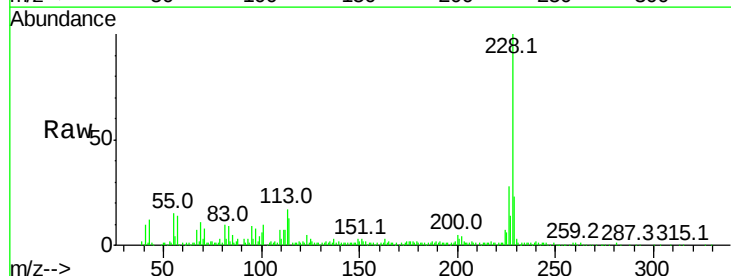
Instrument :
BNA_F
ClientSampleId :
RL-10-0-10.5

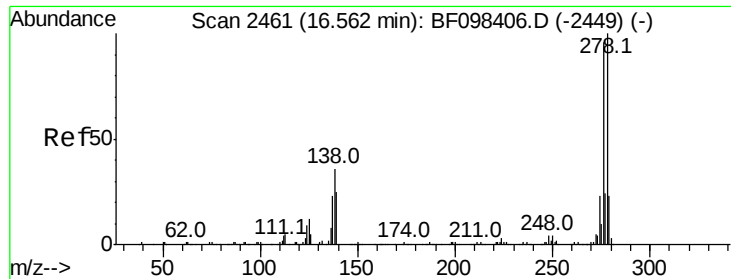
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	19.7	16.3	24.5



#82
Chrysene
Concen: 4.869 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.9	37.3
229	22.7	15.8	23.6

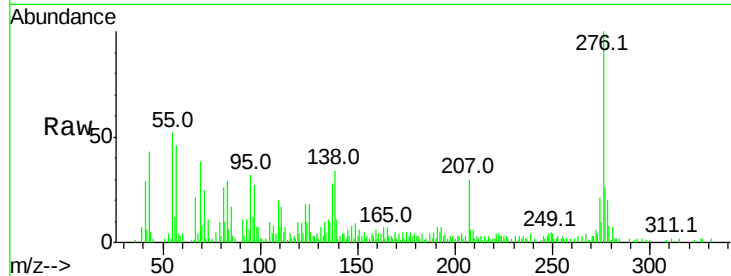




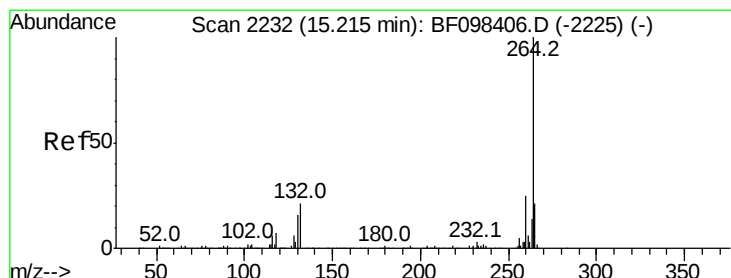
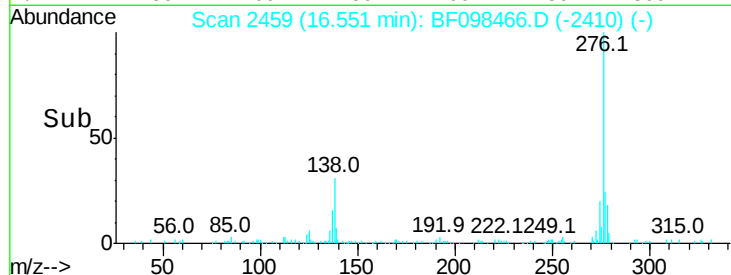
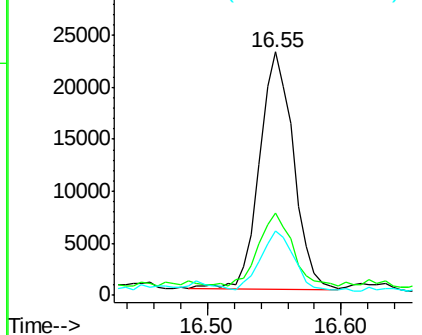
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.611 ng
RT: 16.55 min Scan# 2459
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Instrument :
BNA_F
ClientSampleId :
RL-10-0-10.5

Tot Ion:276 Resp: 40231
Ion Ratio Lower Upper
276 100
138 31.9 27.8 41.6
277 25.9 20.2 30.4

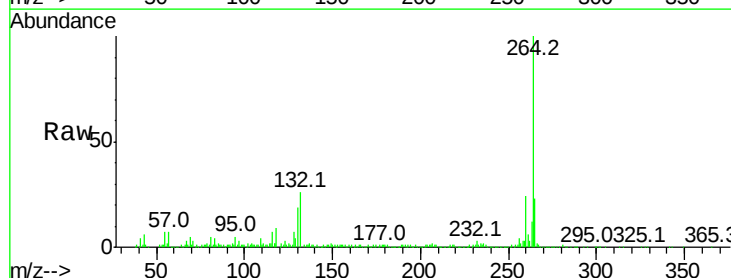


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

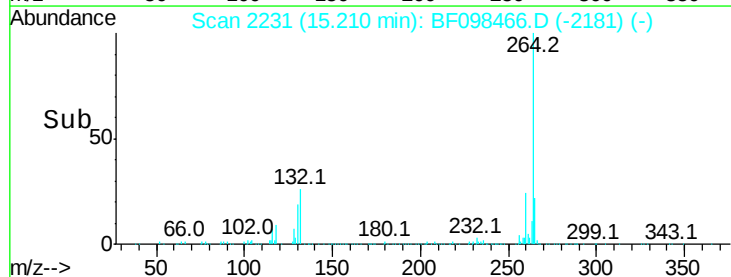
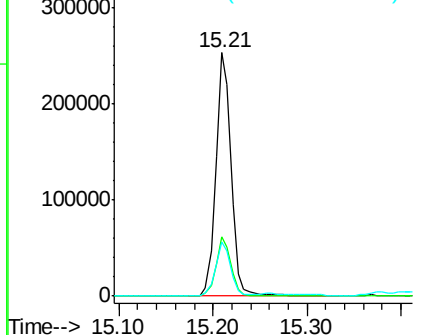


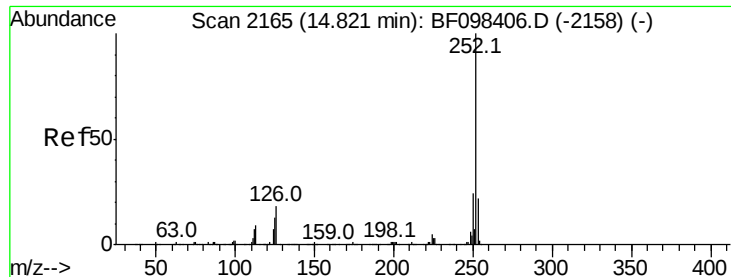
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Tgt Ion:264 Resp: 287121
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.5 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: 8.916 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

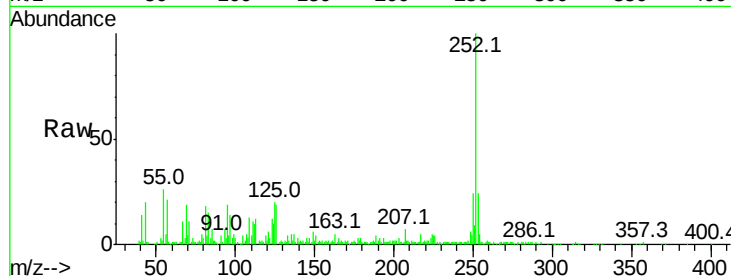
Instrument :

BNA_F

ClientSampleId :

RL-10-0-10.5

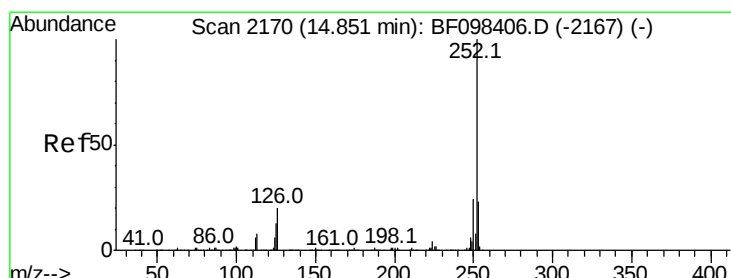
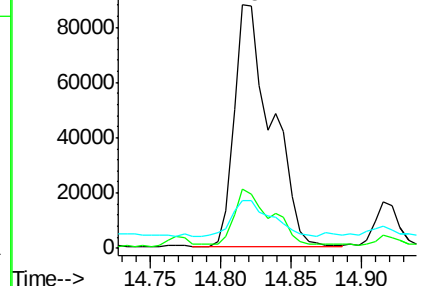
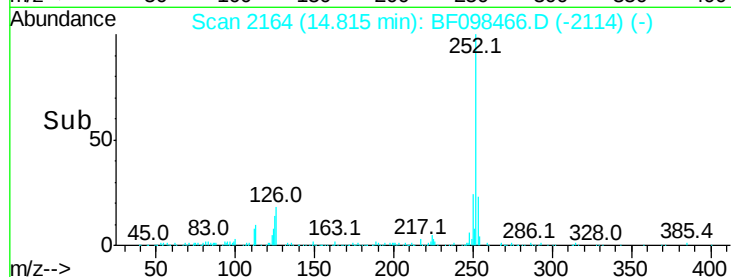
Tot Ion:252	Resp:	160965
Ion Ratio	Lower	Upper
252	100	
253	24.3	18.1 27.1
125	19.7	9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 9.551 ng

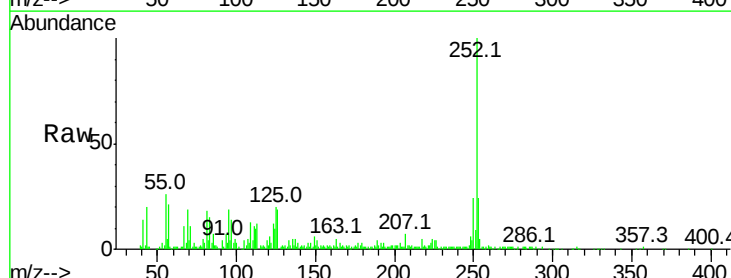
RT: 14.82 min Scan# 2164

Delta R.T. -0.04 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

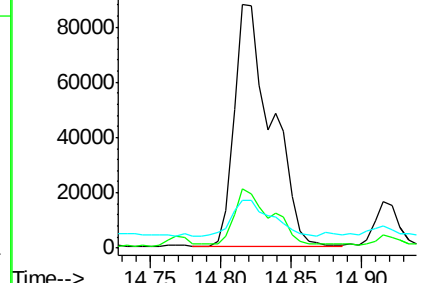
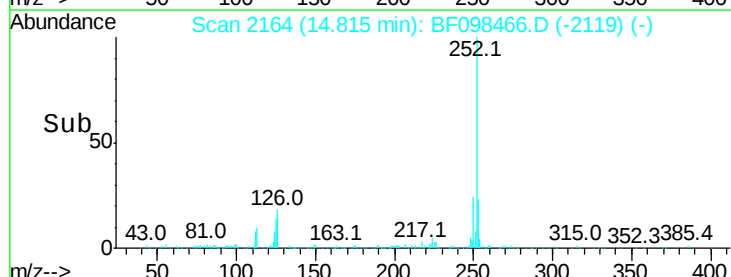
Tgt Ion:252	Resp:	160965
Ion Ratio	Lower	Upper
252	100	
253	24.3	18.4 27.6
125	19.7	13.1 19.7#

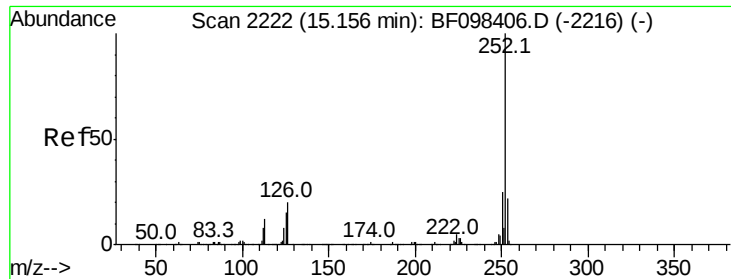


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.981 ng

RT: 15.15 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

ClientSampleId :

RL-10-0-10.5

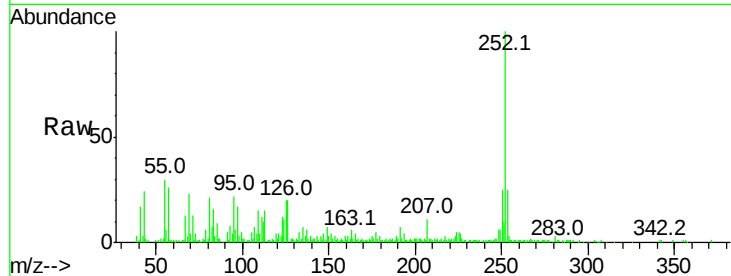
Tot Ion:252 Resp: 80112

Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

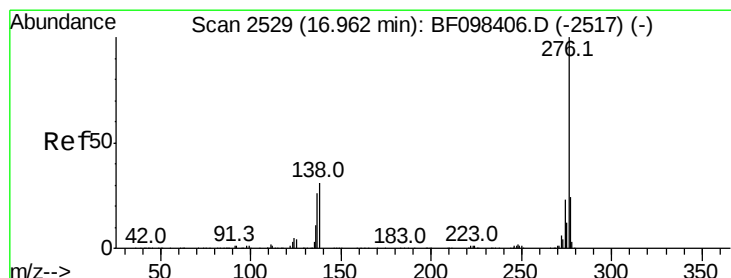
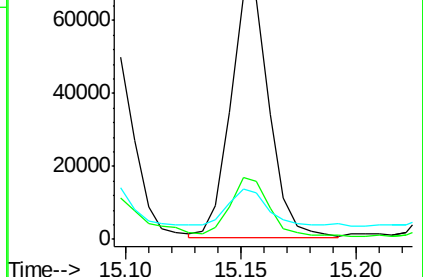
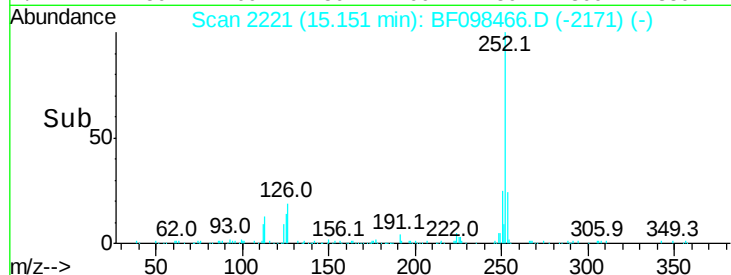
125 20.4 11.0 16.4#



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: 3.397 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

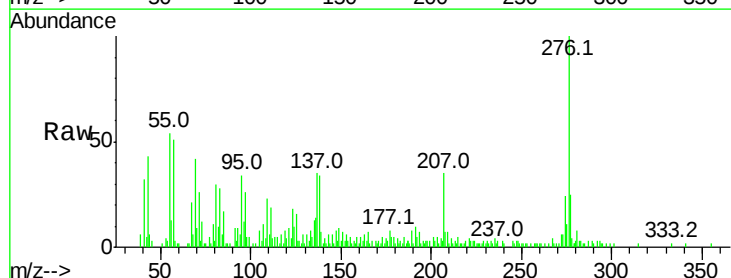
Tgt Ion:276 Resp: 39970

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 34.4 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

