

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098465.D
 Acq On : 12 Sep 2017 22:10
 Operator : SJ/JU
 Sample : I5140-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-9-15-30

Quant Time: Sep 13 01:02:20 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	192322	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	752582	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	292641	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	458101	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	354337	20.00	ng	0.00
86) Perylene-d12	15.21	264	290969	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	1568476	120.58	ng	0.00
7) Phenol-d6	6.32	99	1916137	116.02	ng	0.00
23) Nitrobenzene-d5	7.23	82	1096054	81.19	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	225636	115.52	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1401757	81.19	ng	-0.01
78) Terphenyl-d14	12.76	244	873033	53.18	ng	0.00

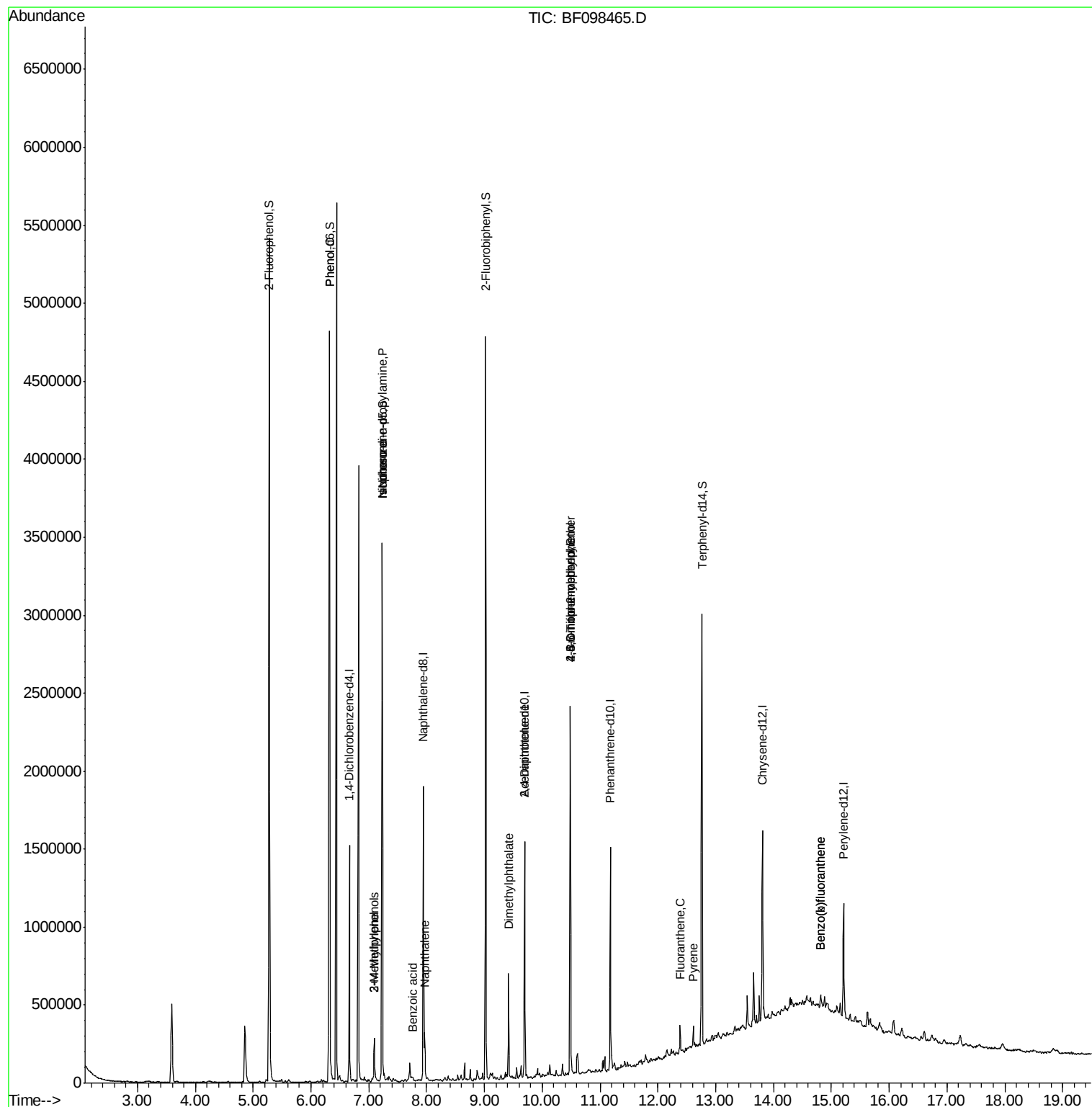
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.33	94	47769	2.490	ng	85
17) 2-Methylphenol	7.09	107	89687	7.690	ng	# 68
19) n-Nitroso-di-n-propylamine	7.23	70	145665	14.022	ng	# 79
20) 3+4-Methylphenols	7.09	107	89687	6.093	ng	# 57
25) Isophorone	7.23	82	1082248	39.624	ng	# 67
31) Naphthalene	7.97	128	109201	2.935	ng	99
32) Benzoic acid	7.76	122	3747	8.363	ng	# 33
49) Dimethylphthalate	9.42	163	244227	10.781	ng	100
56) 2,4-Dinitrotoluene	9.69	165	38740	6.848	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.49	198	424	5.100	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	16968	3.903	ng	# 1
74) Fluoranthene	12.39	202	58520	2.407	ng	96
77) Pvrene	12.62	202	56280	2.013	ng	97
87) Benzo(b)fluoranthene	14.82	252	39806	2.176	ng	# 77
88) Benzo(k)fluoranthene	14.82	252	39806	2.331	ng	# 80

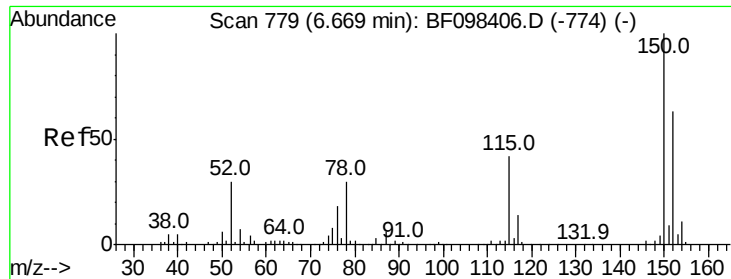
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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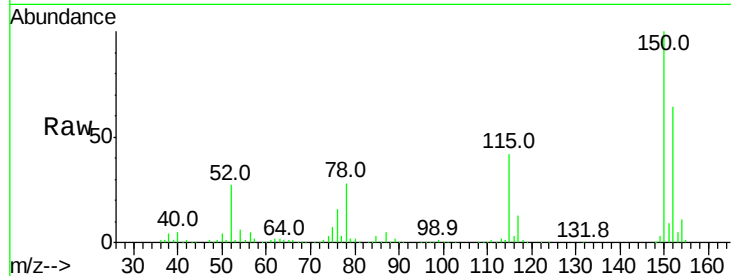


#1

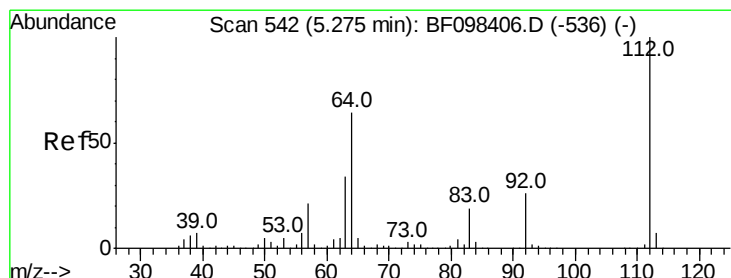
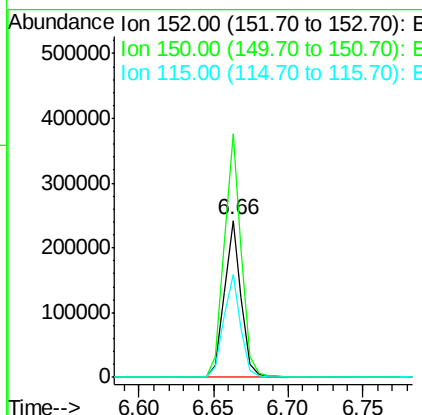
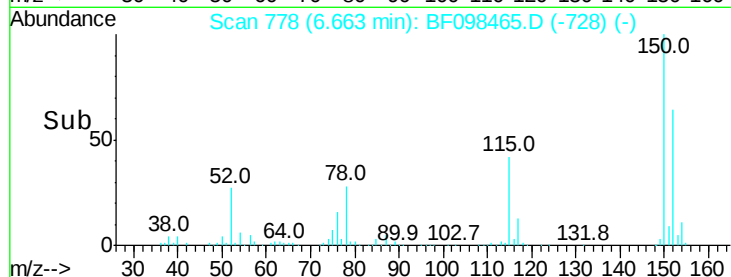
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF098465.D
Acq: 12 Sep 2017 22:10

Instrument :
BNA_F
ClientSampleId :
RL-9-15-30

Tot Ion:152 Resp: 192322
Ion Ratio Lower Upper
152 100
150 155.2 126.2 189.2
115 65.8 52.2 78.2



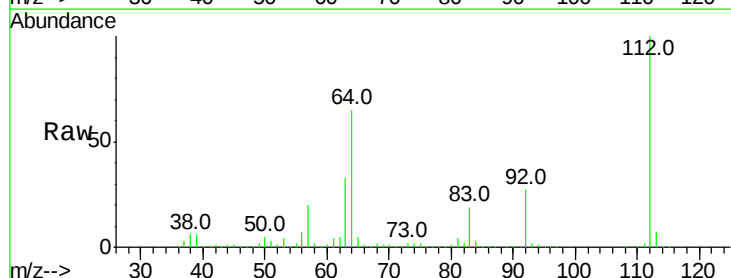
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



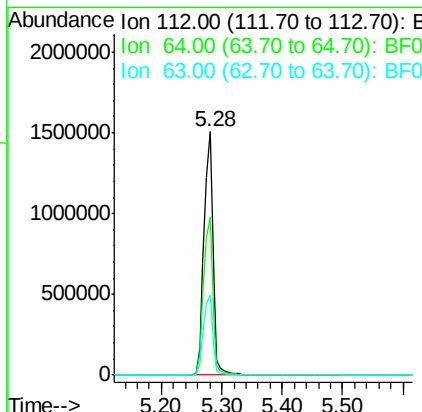
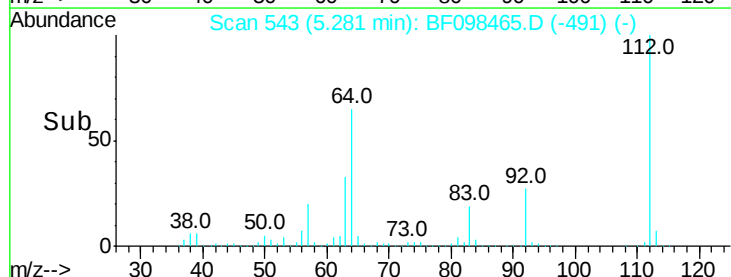
#5

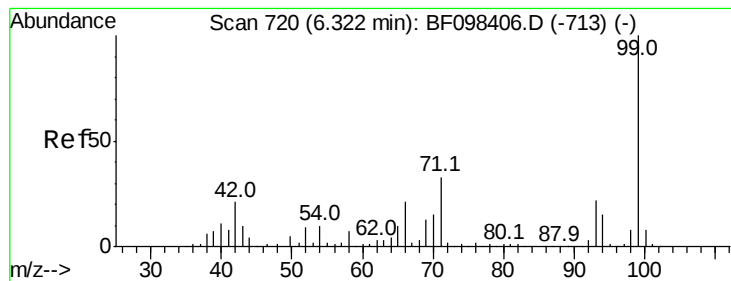
2-Fluorophenol
Concen: 120.581 ng
RT: 5.28 min Scan# 543
Delta R.T. 0.01 min
Lab File: BF098465.D
Acq: 12 Sep 2017 22:10

Tgt Ion:112 Resp: 1568476
Ion Ratio Lower Upper
112 100
64 64.7 46.0 69.0
63 32.9 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: 116.021 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF098465.D

Acq: 12 Sep 2017 22:10

Instrument :

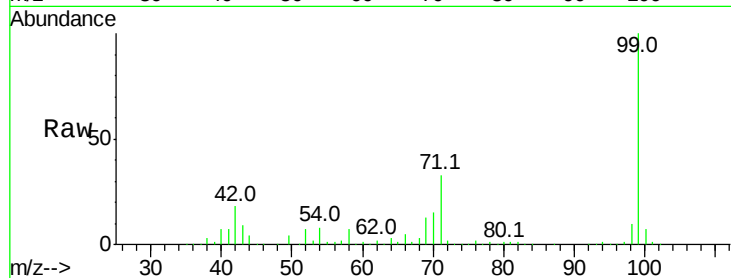
BNA_F

ClientSampleId :

RL-9-15-30

Tot Ion: 99 Resp: 1916137

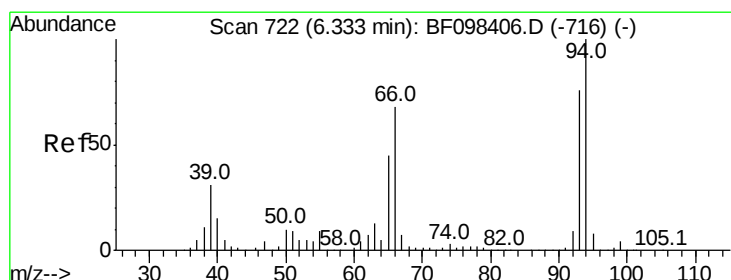
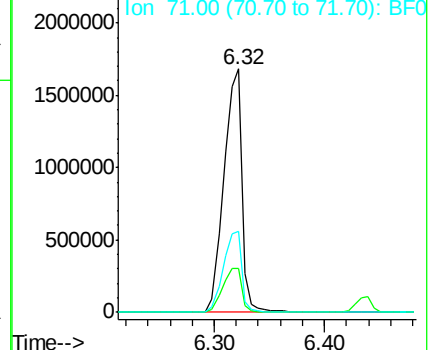
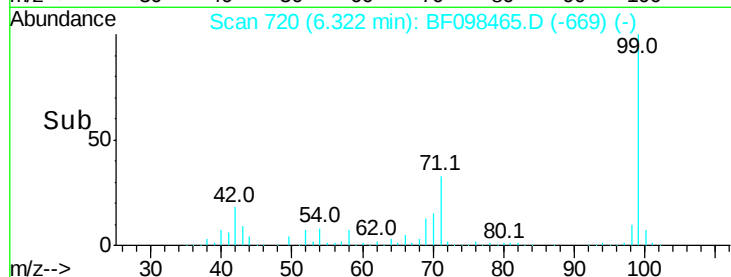
Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.5	20.3
71	33.3	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.490 ng

RT: 6.33 min Scan# 721

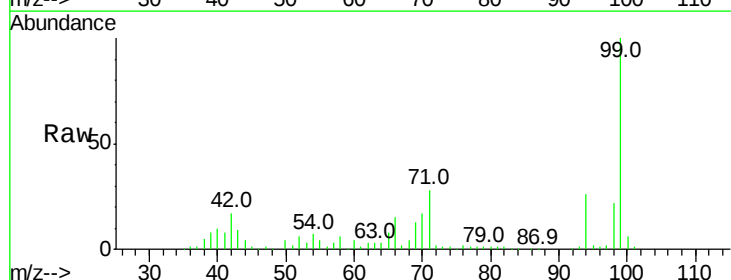
Delta R.T. -0.01 min

Lab File: BF098465.D

Acq: 12 Sep 2017 22:10

Tgt Ion: 94 Resp: 47769

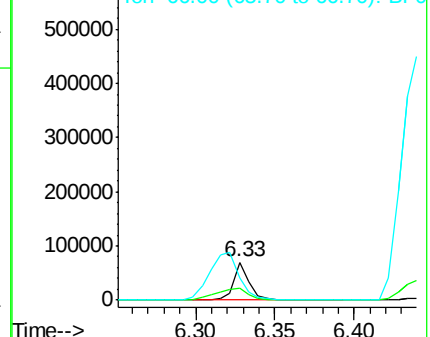
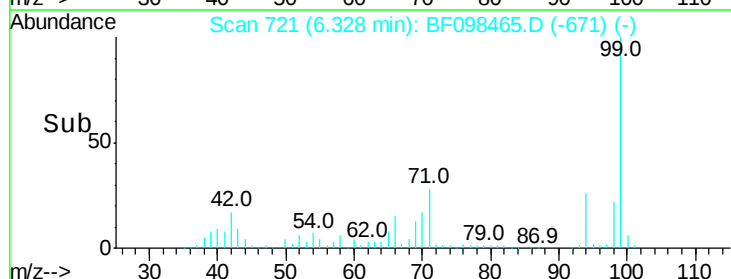
Ion	Ratio	Lower	Upper
94	100		
65	32.0	9.9	49.9
66	57.4	23.1	63.1

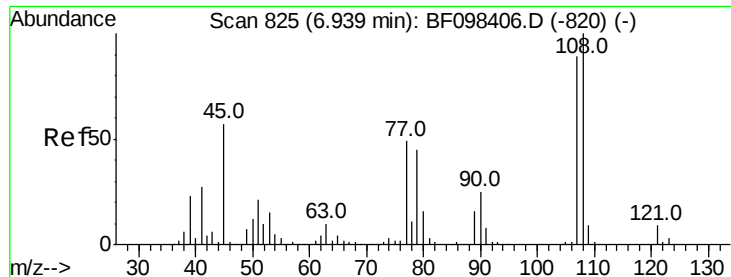


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#17

2-Methylphenol

Concen: 7.690 ng

RT: 7.09 min Scan# 851

Delta R.T. 0.15 min

Lab File: BF098465.D

Acq: 12 Sep 2017 22:10

Instrument :

BNA_F

ClientSampleId :

RL-9-15-30

Tot Ion:107 Resp: 89687

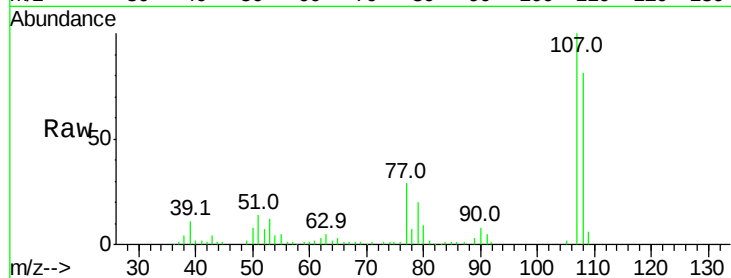
Ion Ratio Lower Upper

107 100

108 81.2 93.4 140.0#

77 28.7 35.8 53.6#

79 20.2 34.8 52.2#

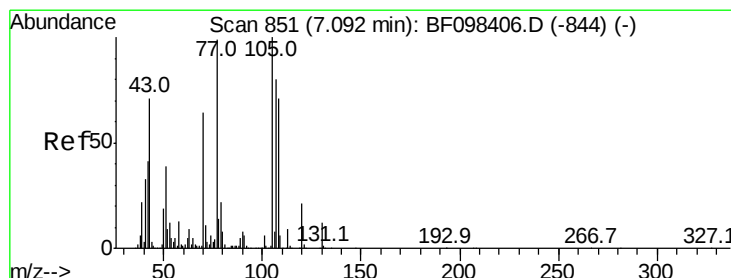
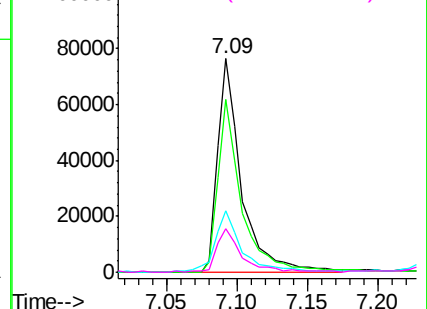
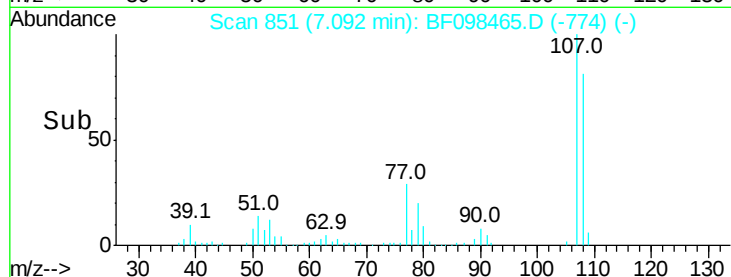


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.022 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF098465.D

Acq: 12 Sep 2017 22:10

Tgt Ion: 70 Resp: 145665

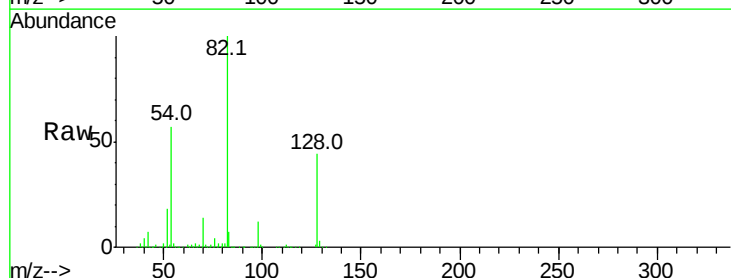
Ion Ratio Lower Upper

70 100

42 48.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

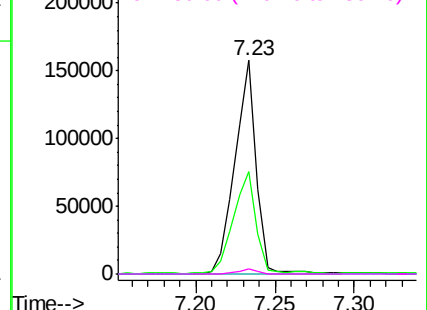
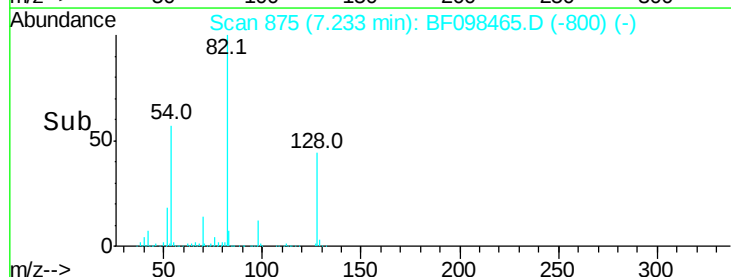


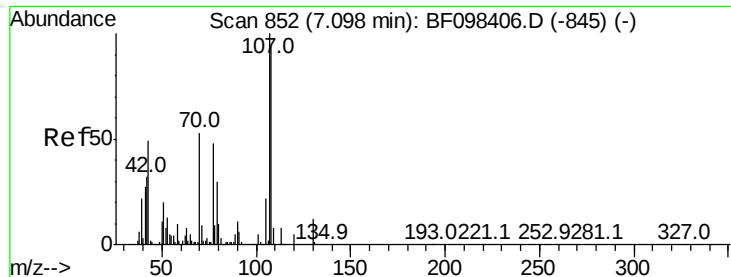
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

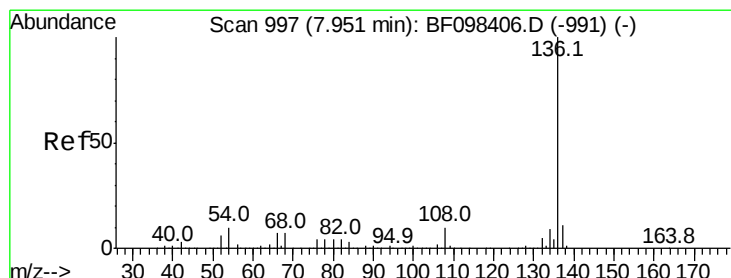
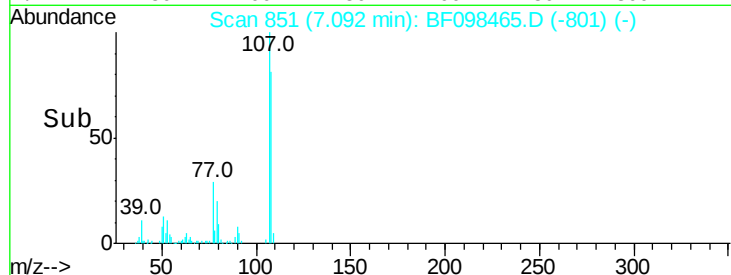
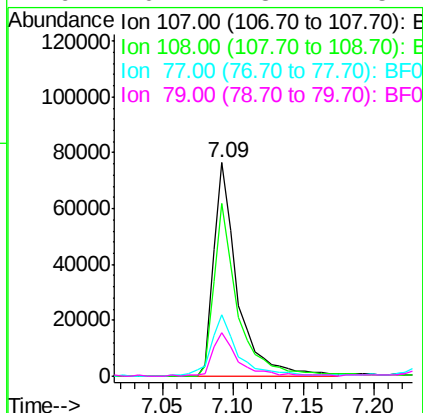
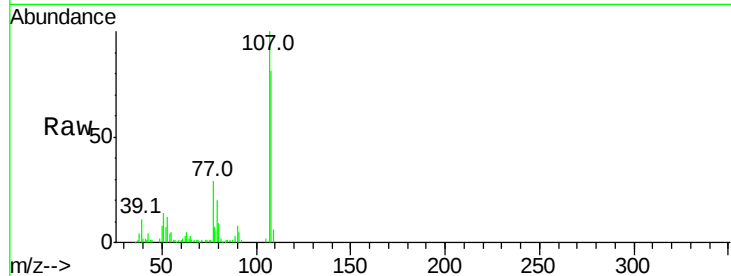




#20
3+4-Methylphenols
Concen: 6.093 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF098465.D
Acq: 12 Sep 2017 22:10

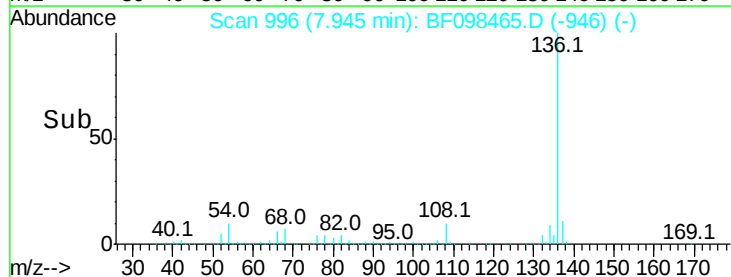
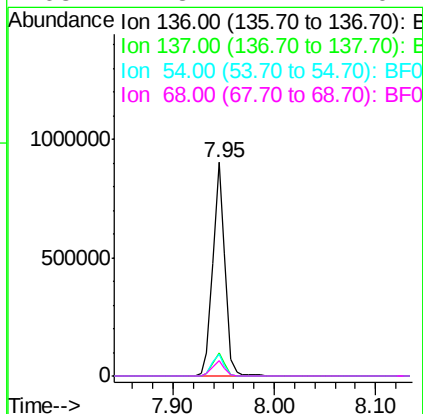
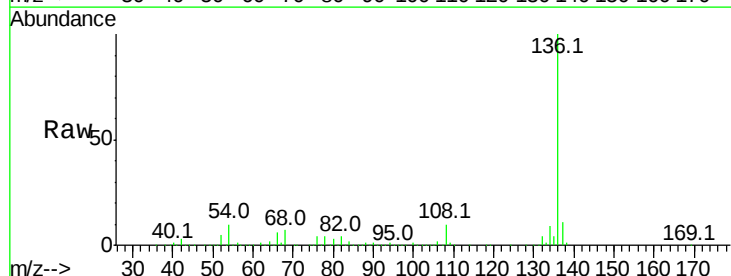
Instrument :
BNA_F
ClientSampleId :
RL-9-15-30

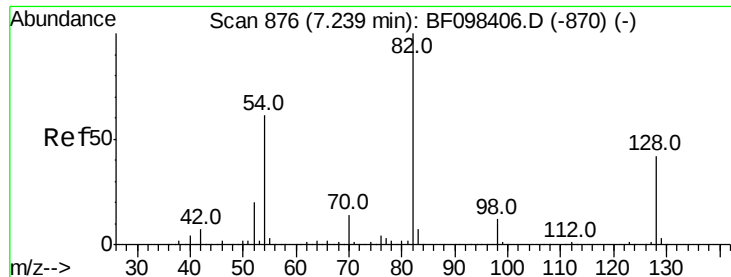
Tot Ion:	107	Resp:	89687
Ion	Ratio	Lower	Upper
107	100		
108	81.2	71.0	111.0
77	28.7	90.5	130.5#
79	20.2	8.4	48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF098465.D
Acq: 12 Sep 2017 22:10

Tgt Ion:	136	Resp:	752582
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.3	4.9	7.3#
68	7.3	4.1	6.1#



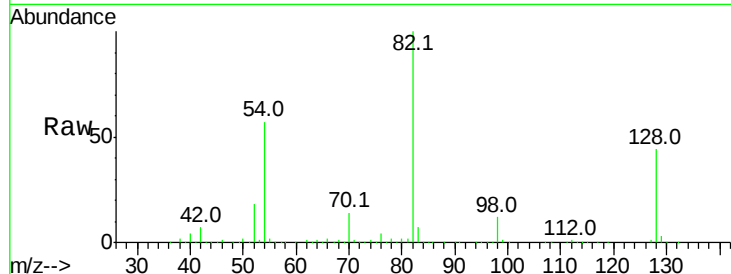


#23
 Nitrobenzene-d5
 Concen: 81.193 ng
 RT: 7.23 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: BF098465.D
 Acq: 12 Sep 2017 22:10

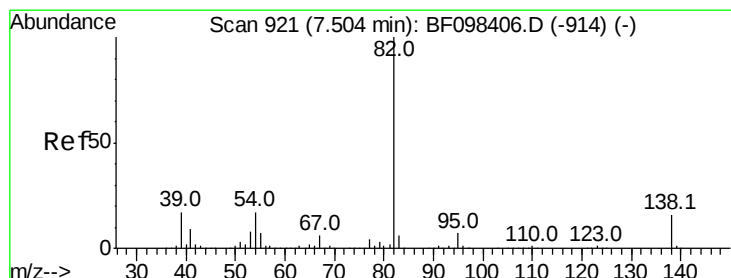
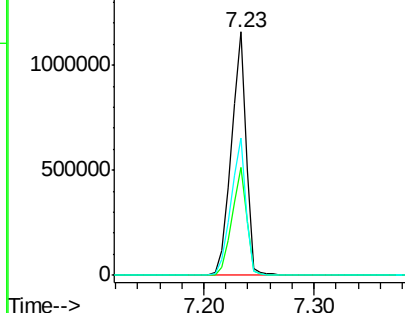
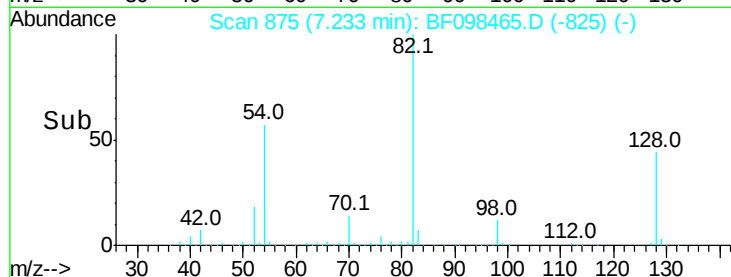
Instrument :
 BNA_F
 ClientSampleId :
 RL-9-15-30

Tot Ion: 82 Resp: 1096054

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.0	51.0
54	56.6	42.2	63.2



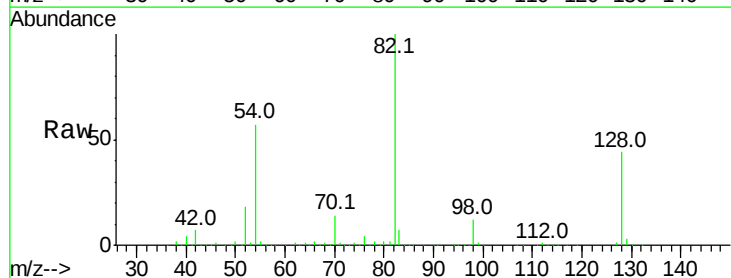
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0



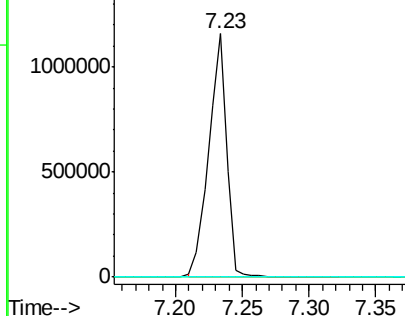
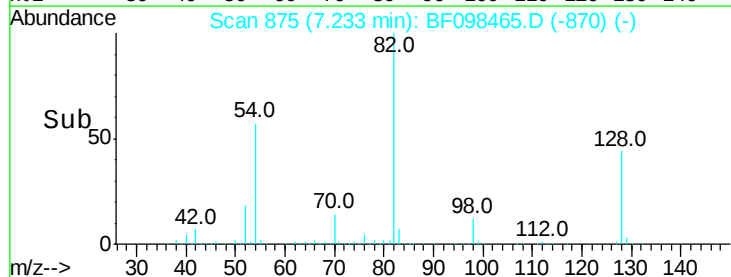
#25
 Isophorone
 Concen: 39.624 ng
 RT: 7.23 min Scan# 875
 Delta R.T. -0.27 min
 Lab File: BF098465.D
 Acq: 12 Sep 2017 22:10

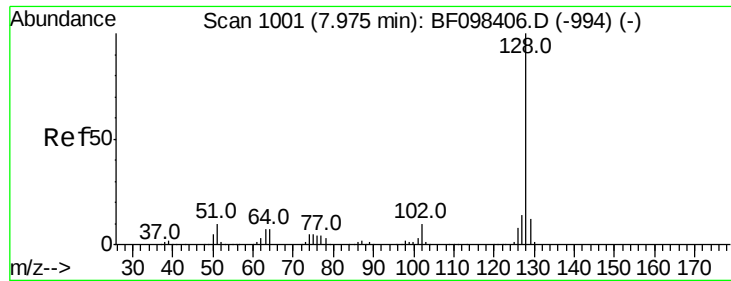
Tgt Ion: 82 Resp: 1082248

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

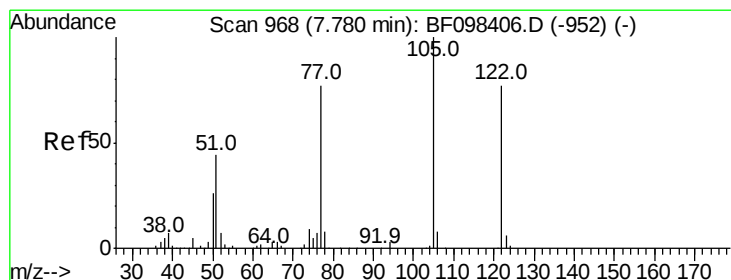
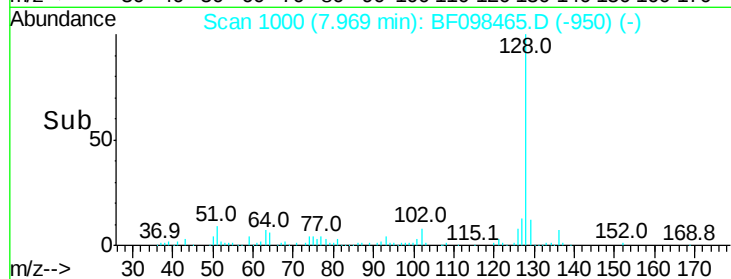
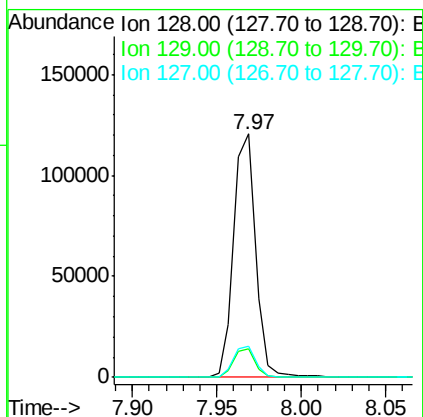
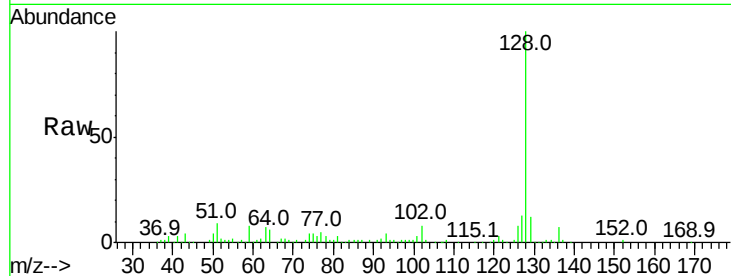




#31
Naphthalene
Concen: 2.935 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.01 min
Lab File: BF098465.D
Acq: 12 Sep 2017 22:10

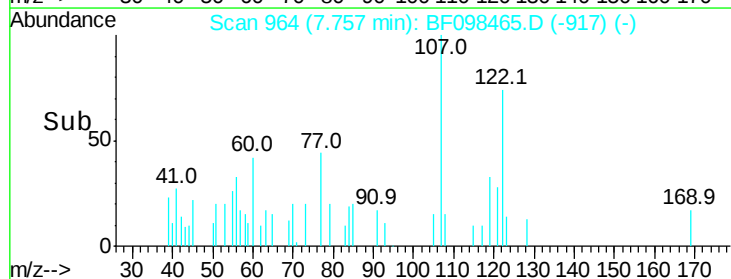
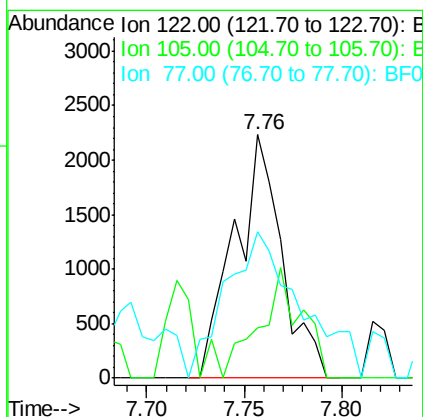
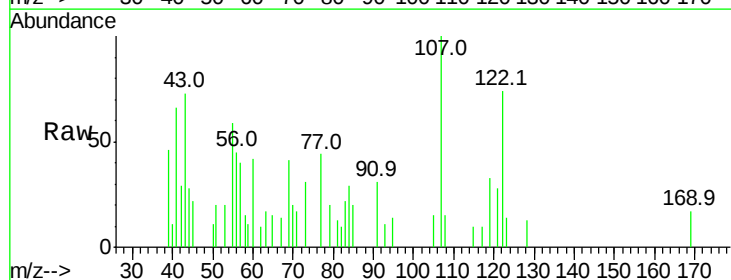
Instrument :
BNA_F
ClientSampleId :
RL-9-15-30

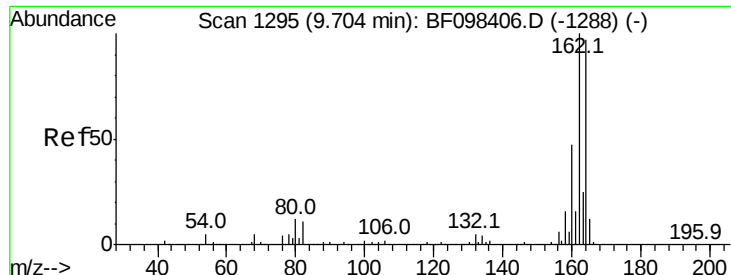
Tot Ion:128 Resp: 109201
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 12.7 10.8 16.2



#32
Benzoic acid
Concen: 8.363 ng
RT: 7.76 min Scan# 964
Delta R.T. -0.02 min
Lab File: BF098465.D
Acq: 12 Sep 2017 22:10

Tgt Ion:122 Resp: 3747
Ion Ratio Lower Upper
122 100
105 20.9 103.3 143.3#
77 60.1 73.7 113.7#

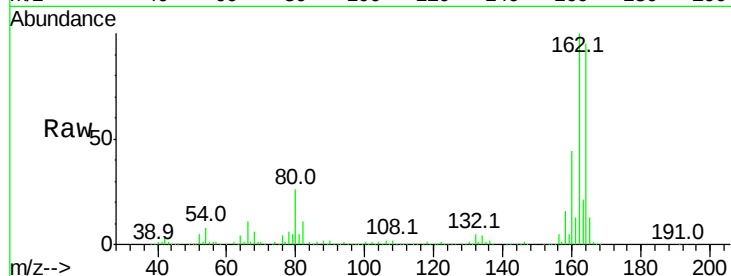




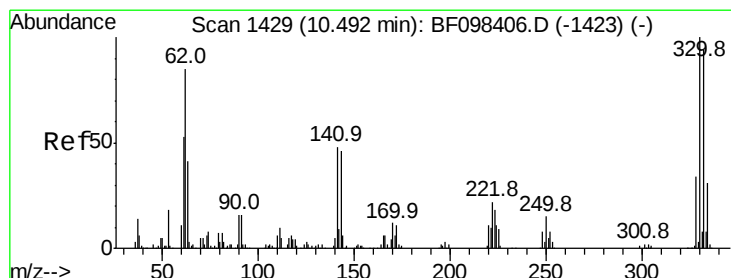
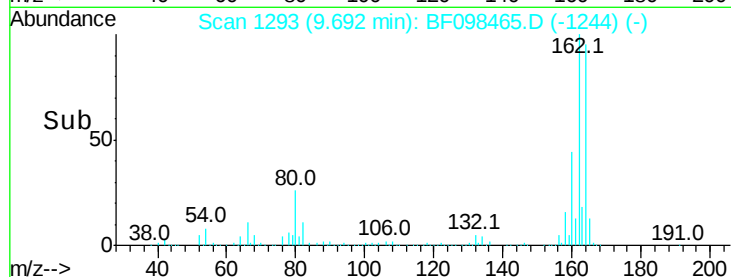
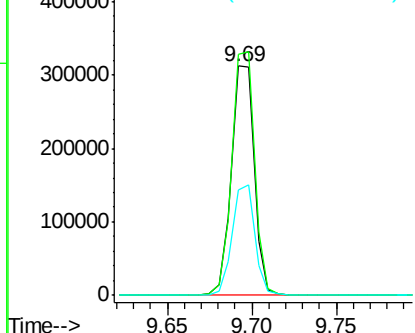
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF098465.D
 Acq: 12 Sep 2017 22:10

Instrument :
 BNA_F
 ClientSampleId :
 RL-9-15-30

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.6	123.8
160	45.7	36.2	54.2

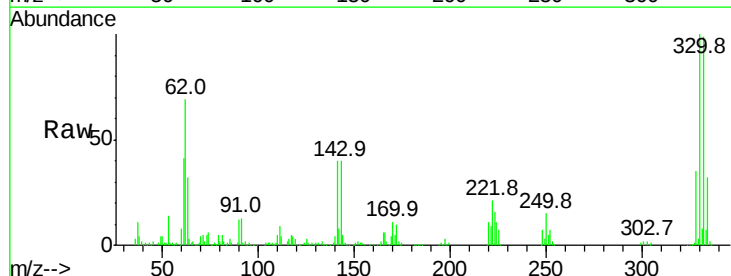


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

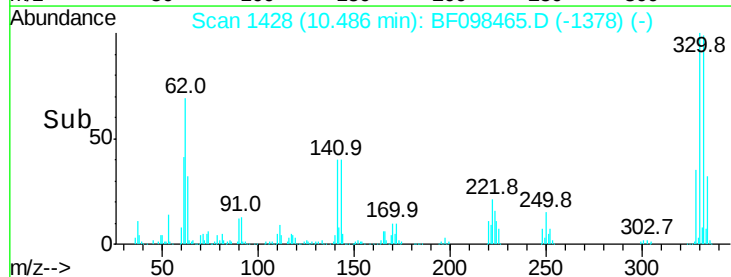
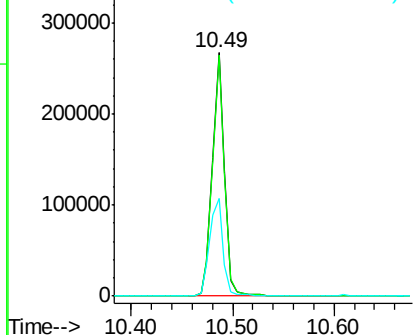


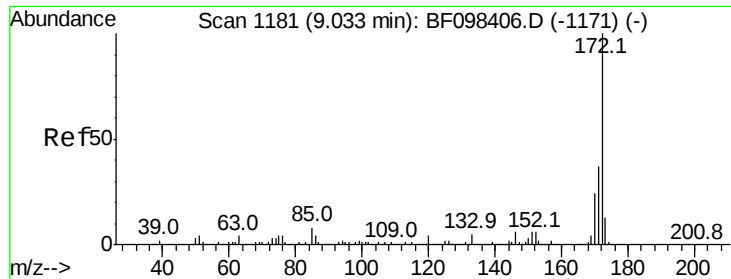
#41
 2,4,6-Tribromophenol
 Concen: 115.525 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098465.D
 Acq: 12 Sep 2017 22:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	44.7	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

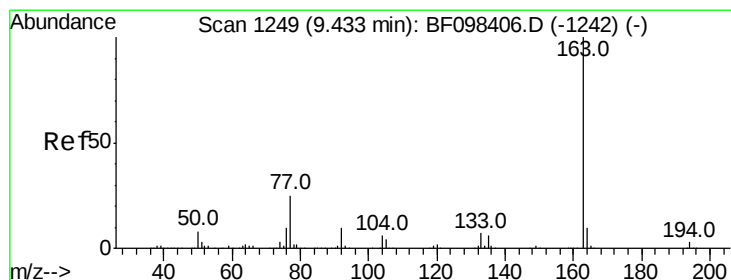
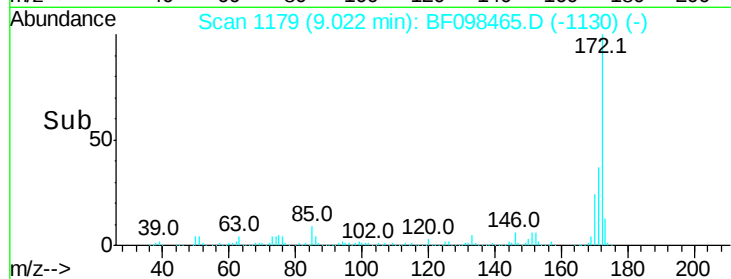
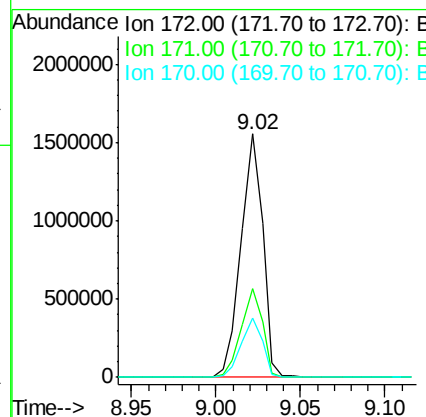
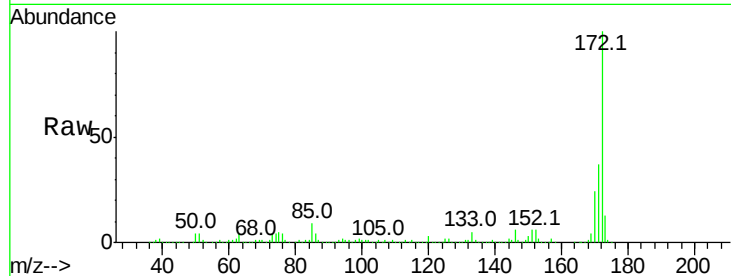




#44
2-Fluorobiphenyl
Concen: 81.187 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF098465.D
Acq: 12 Sep 2017 22:10

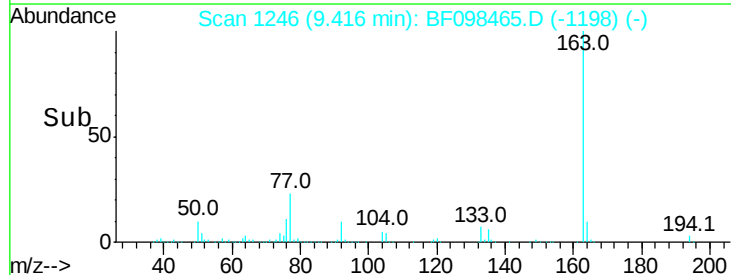
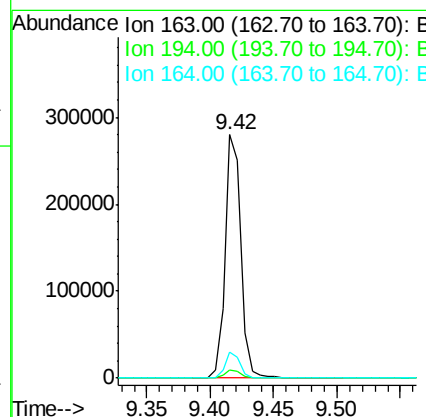
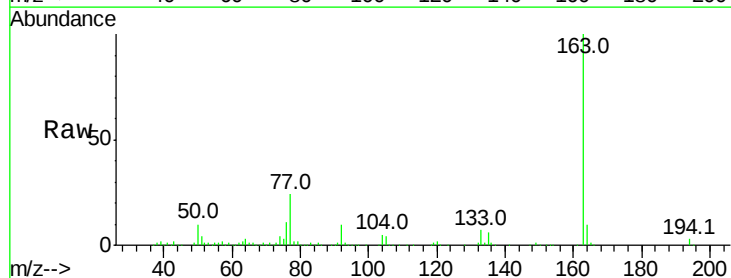
Instrument :
BNA_F
ClientSampleId :
RL-9-15-30

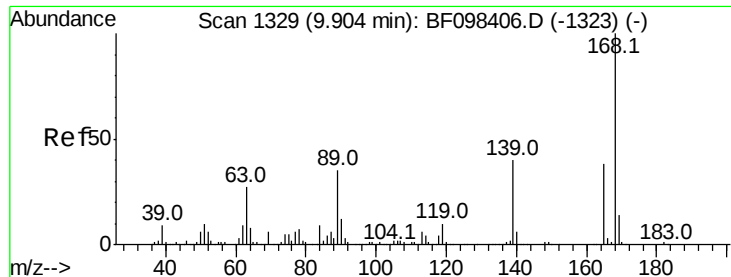
Tot Ion:172 Resp: 1401757
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 24.1 19.8 29.8



#49
Dimethylphthalate
Concen: 10.781 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF098465.D
Acq: 12 Sep 2017 22:10

Tgt Ion:163 Resp: 244227
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.4 8.4 12.6

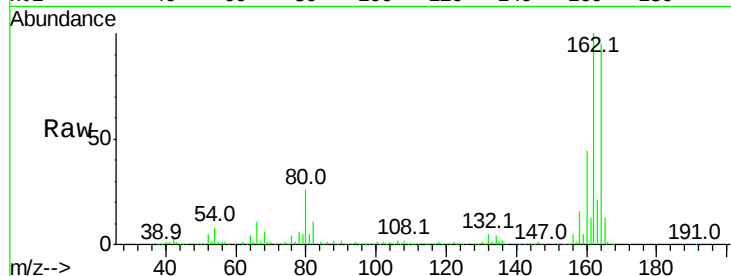




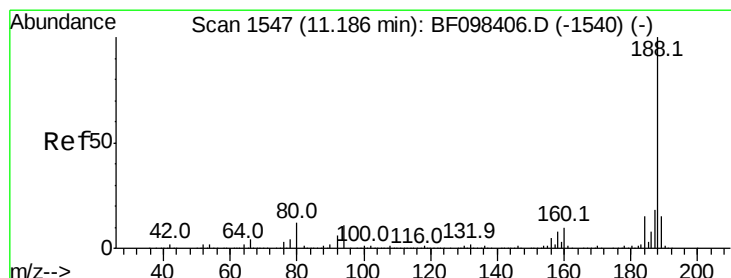
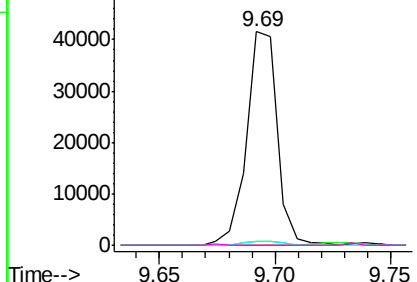
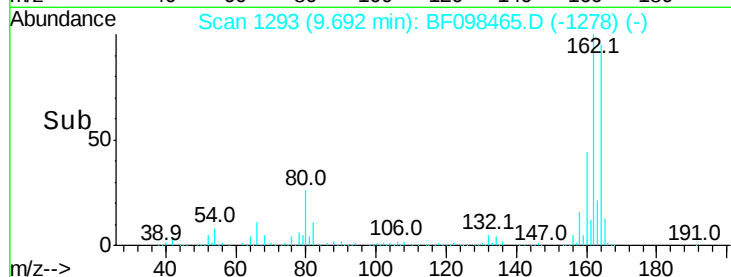
#56
 2,4-Dinitrotoluene
 Concen: 6.848 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.21 min
 Lab File: BF098465.D
 Acq: 12 Sep 2017 22:10

Instrument :
 BNA_F
 ClientSampleId :
 RL-9-15-30

Tot Ion:165 Resp: 38740
 Ion Ratio Lower Upper
 165 100
 63 1.8 25.4 38.0#
 89 1.7 46.4 69.6#
 182 0.0 1.8 2.6#

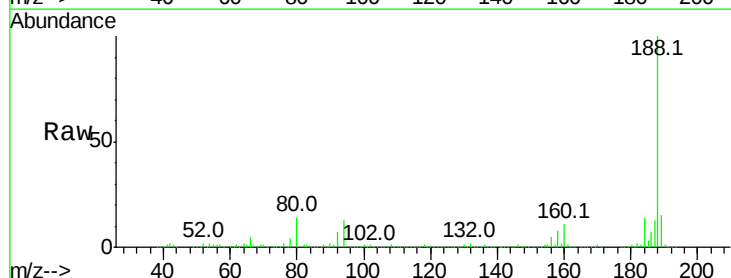


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

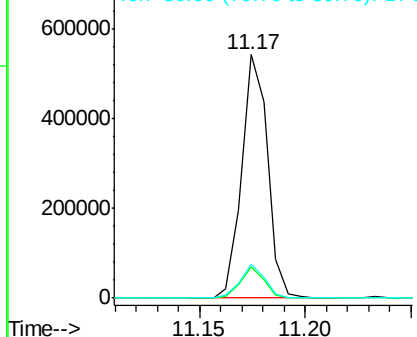
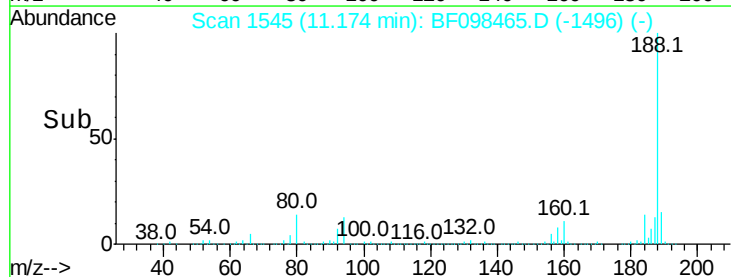


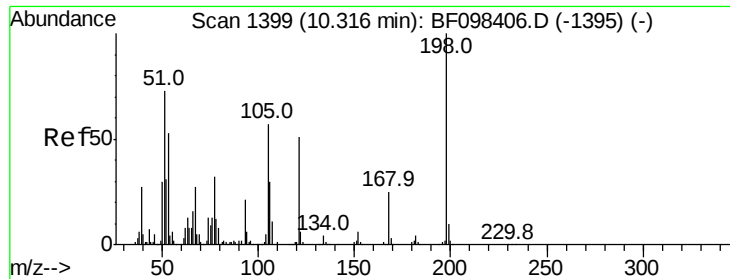
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF098465.D
 Acq: 12 Sep 2017 22:10

Tgt Ion:188 Resp: 458101
 Ion Ratio Lower Upper
 188 100
 94 12.9 9.4 14.2
 80 13.6 10.2 15.2



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

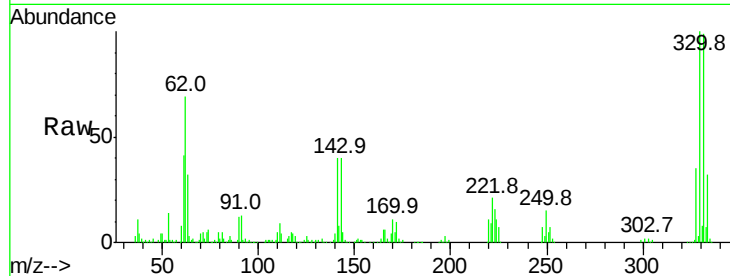




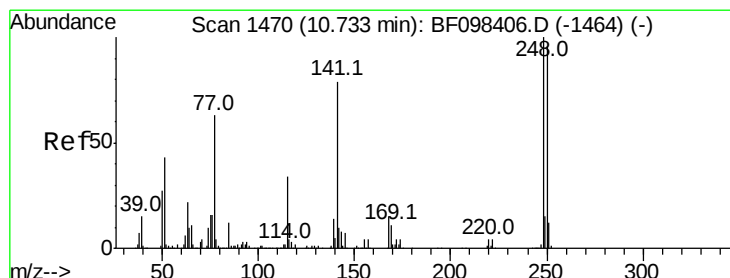
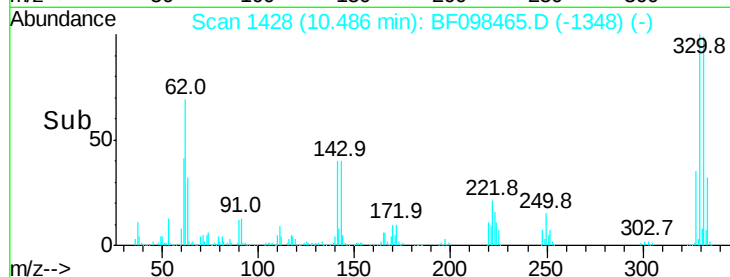
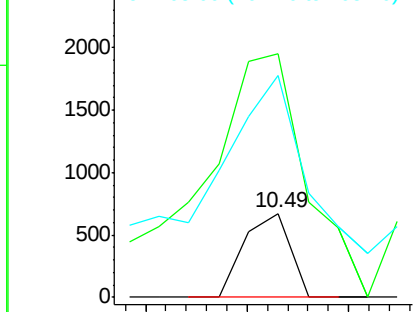
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.100 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.17 min
 Lab File: BF098465.D
 Acq: 12 Sep 2017 22:10

Instrument :
 BNA_F
 ClientSampleId :
 RL-9-15-30

Tot Ion:198 Resp: 424
 Ion Ratio Lower Upper
 198 100
 51 289.9 53.2 93.2#
 105 263.9 45.8 85.8#

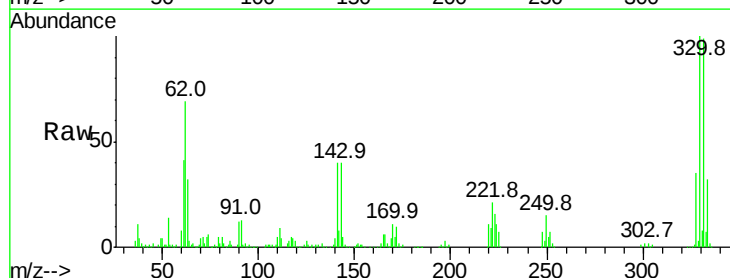


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

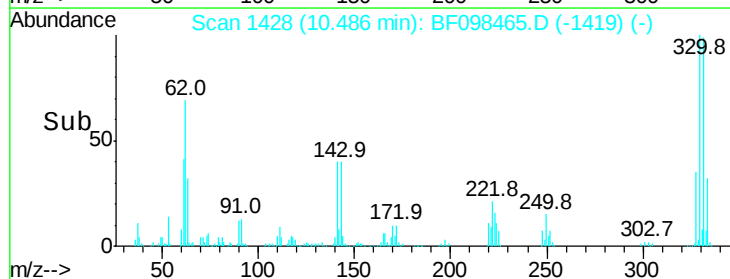
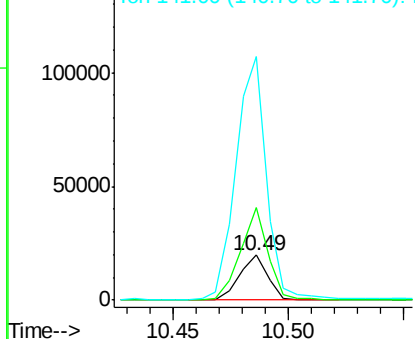


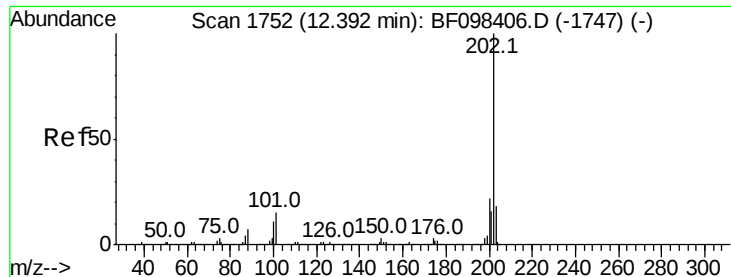
#66
 4-Bromophenyl-phenylether
 Concen: 3.903 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.25 min
 Lab File: BF098465.D
 Acq: 12 Sep 2017 22:10

Tgt Ion:248 Resp: 16968
 Ion Ratio Lower Upper
 248 100
 250 206.2 76.8 115.2#
 141 539.8 68.6 103.0#



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





#74

Fluoranthene

Concen: 2.407 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF098465.D

Acq: 12 Sep 2017 22:10

Instrument :

BNA_F

ClientSampleId :

RL-9-15-30

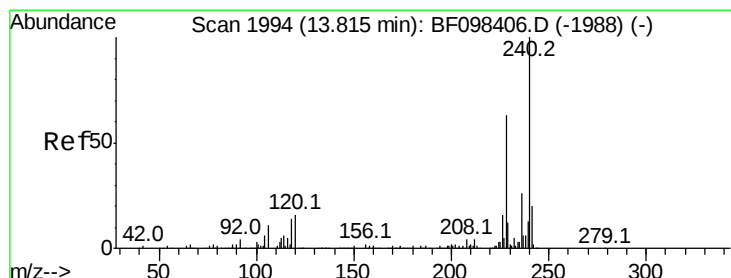
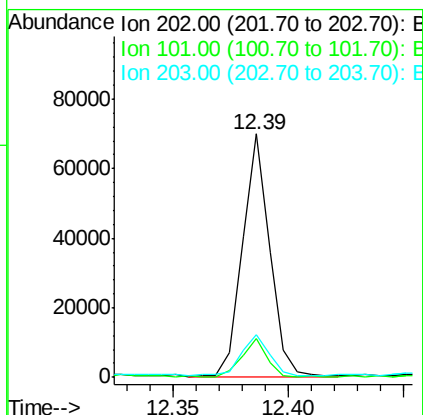
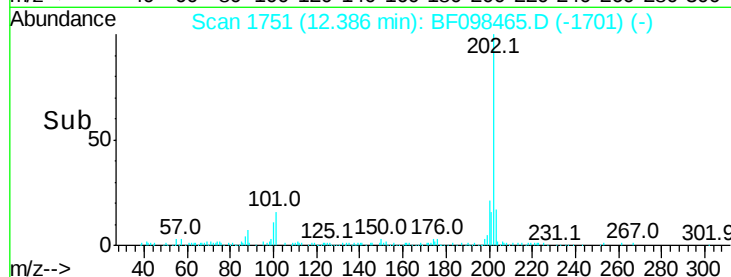
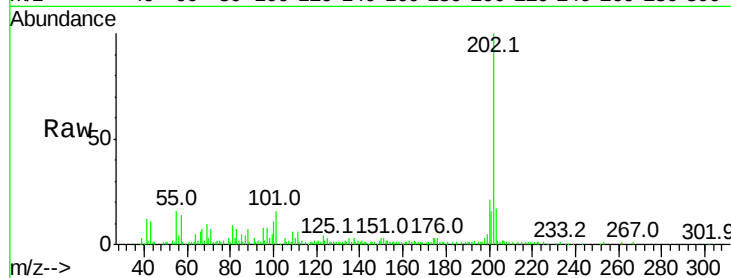
Tot Ion:202 Resp: 58520

Ion Ratio Lower Upper

202 100

101 15.7 0.0 33.2

203 17.3 0.0 38.1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098465.D

Acq: 12 Sep 2017 22:10

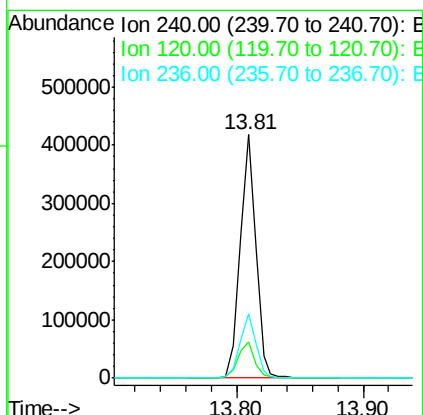
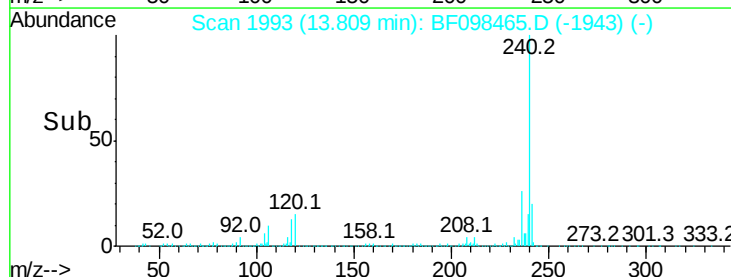
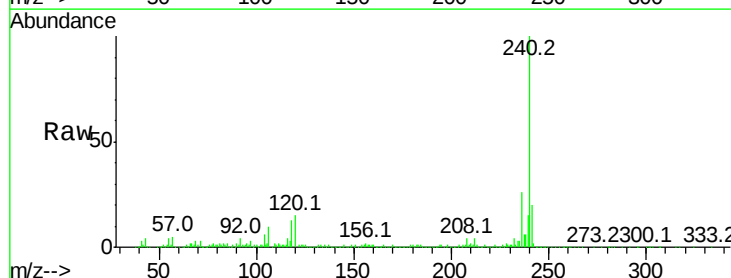
Tgt Ion:240 Resp: 354337

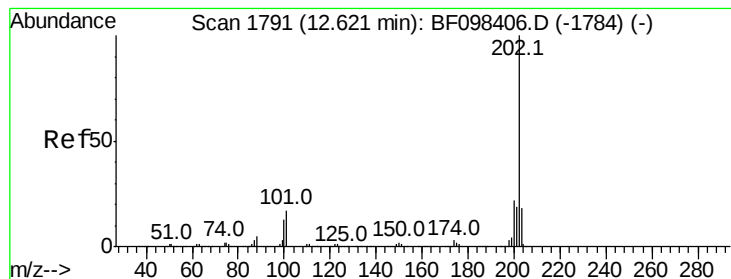
Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

236 26.3 20.5 30.7





#77

Pvrene

Concen: 2.013 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF098465.D

Acq: 12 Sep 2017 22:10

Instrument :

BNA_F

ClientSampleId :

RL-9-15-30

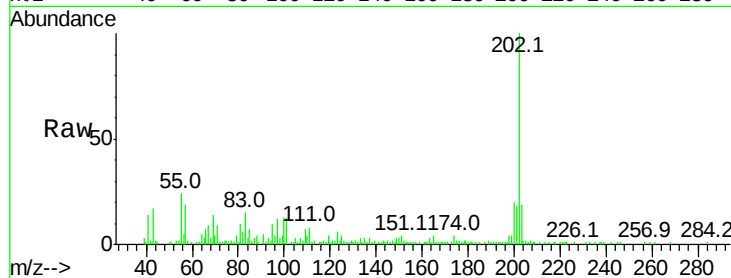
Tot Ion:202 Resp: 56280

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

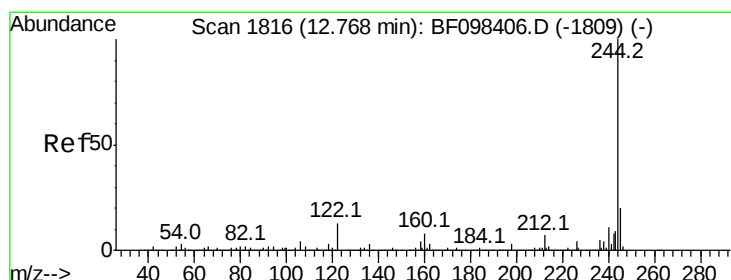
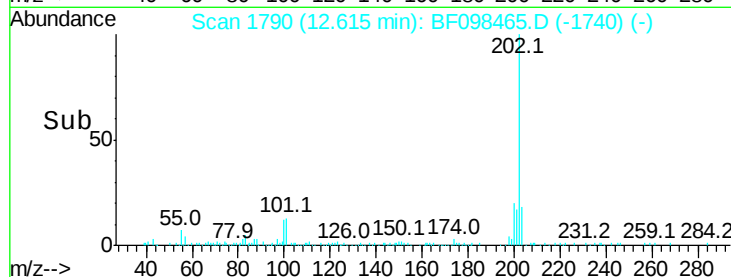
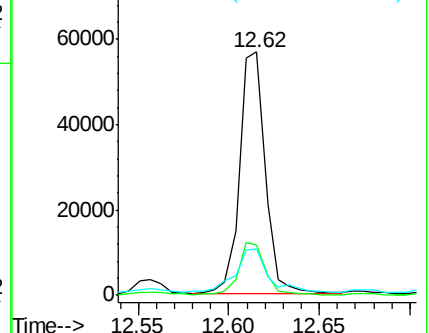
203 19.3 14.4 21.6



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: 53.181 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098465.D

Acq: 12 Sep 2017 22:10

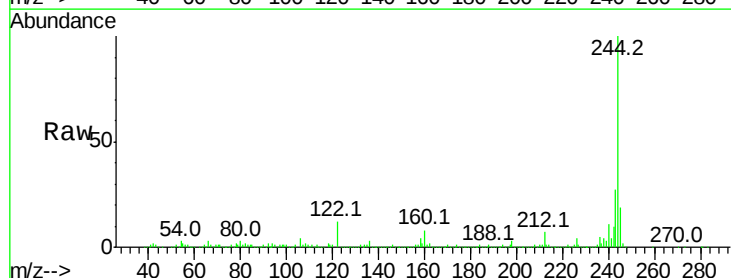
Tgt Ion:244 Resp: 873033

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

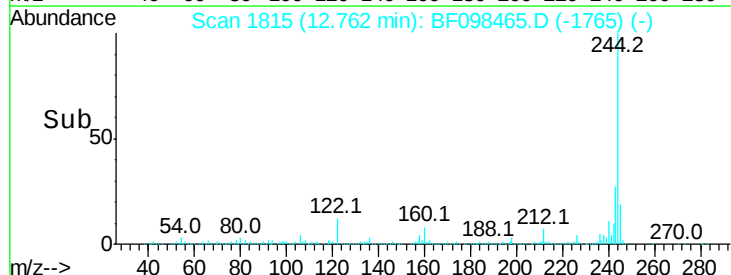
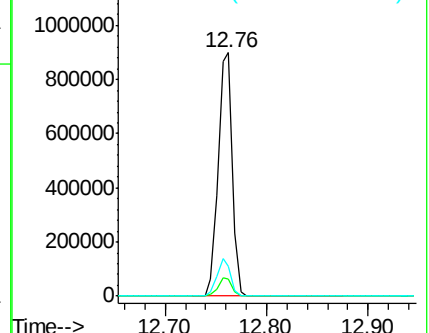
122 12.3 10.3 15.5

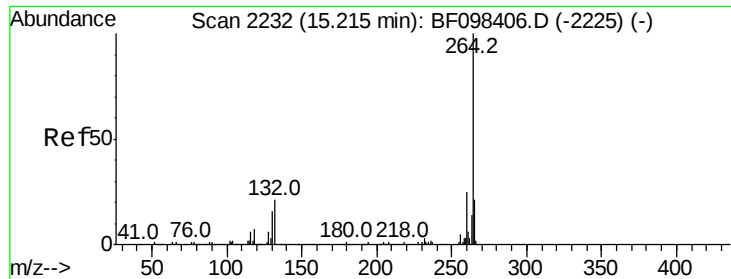


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

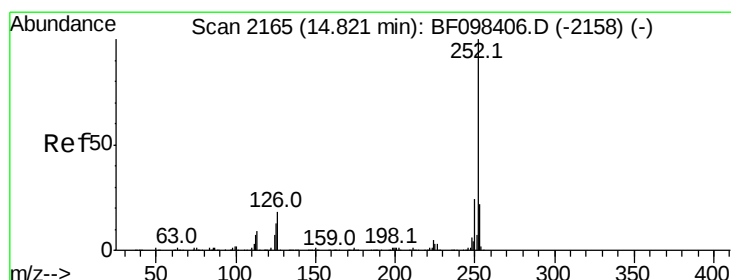
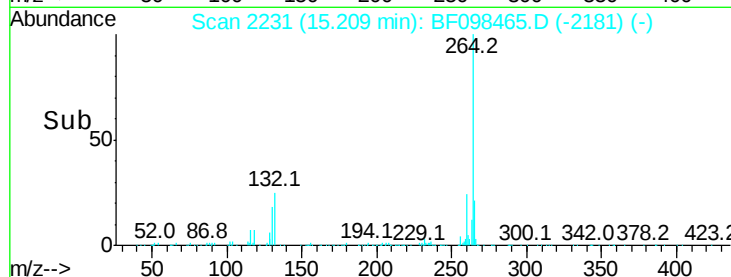
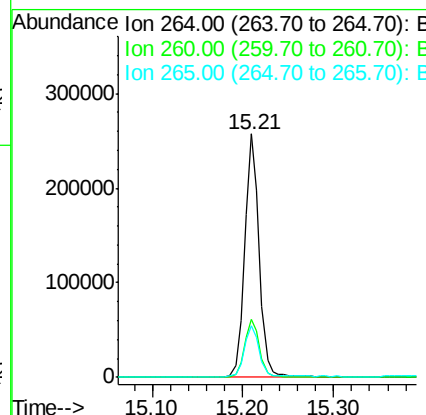
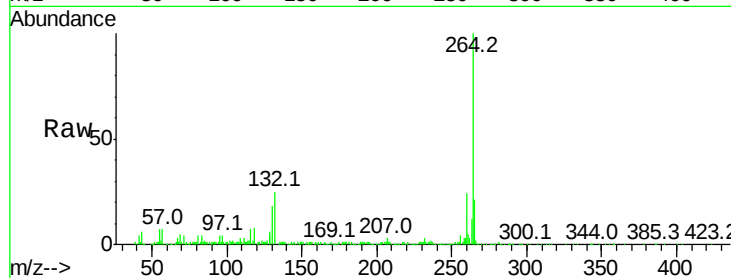




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF098465.D
Acq: 12 Sep 2017 22:10

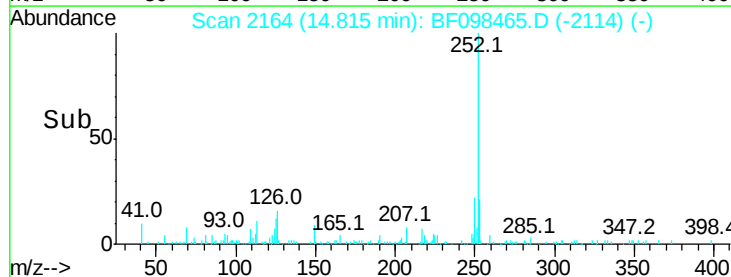
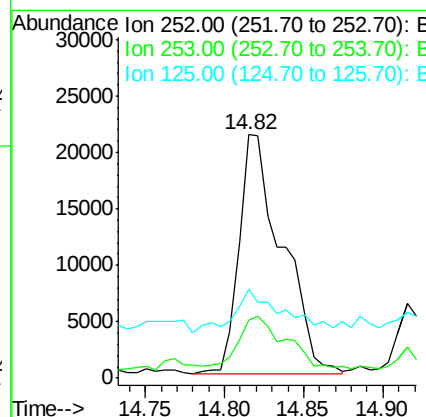
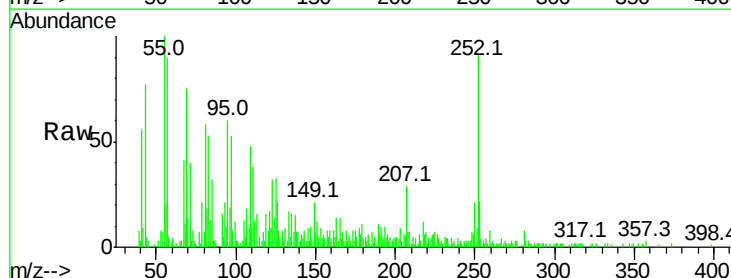
Instrument :
BNA_F
ClientSampleId :
RL-9-15-30

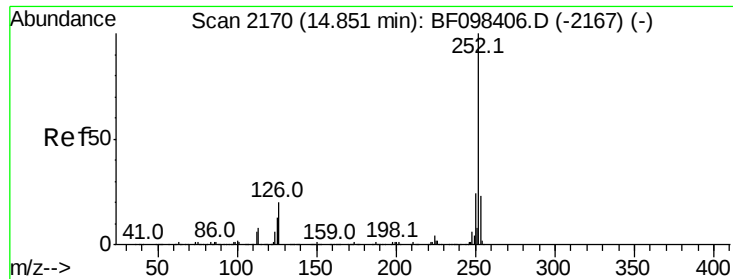
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.1	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.176 ng
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF098465.D
Acq: 12 Sep 2017 22:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	36.4	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.331 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.04 min

Lab File: BF098465.D

Acq: 12 Sep 2017 22:10

Instrument :

BNA_F

ClientSampleId :

RL-9-15-30

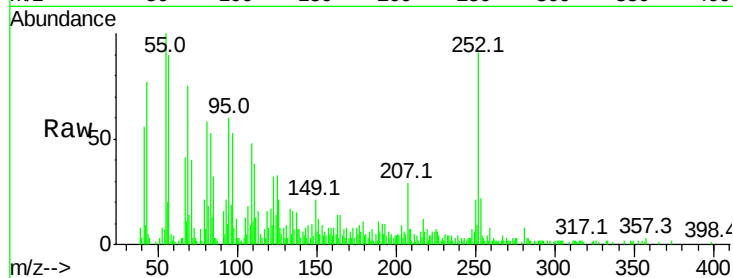
Tot Ion:252 Resp: 39806

Ion Ratio Lower Upper

252 100

253 23.8 18.4 27.6

125 36.4 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

