

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012819\
 Data File : BF112267.D
 Acq On : 28 Jan 2019 11:50
 Operator : JU/SJ
 Sample : K1230-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-6

Quant Time: Jan 28 12:27:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

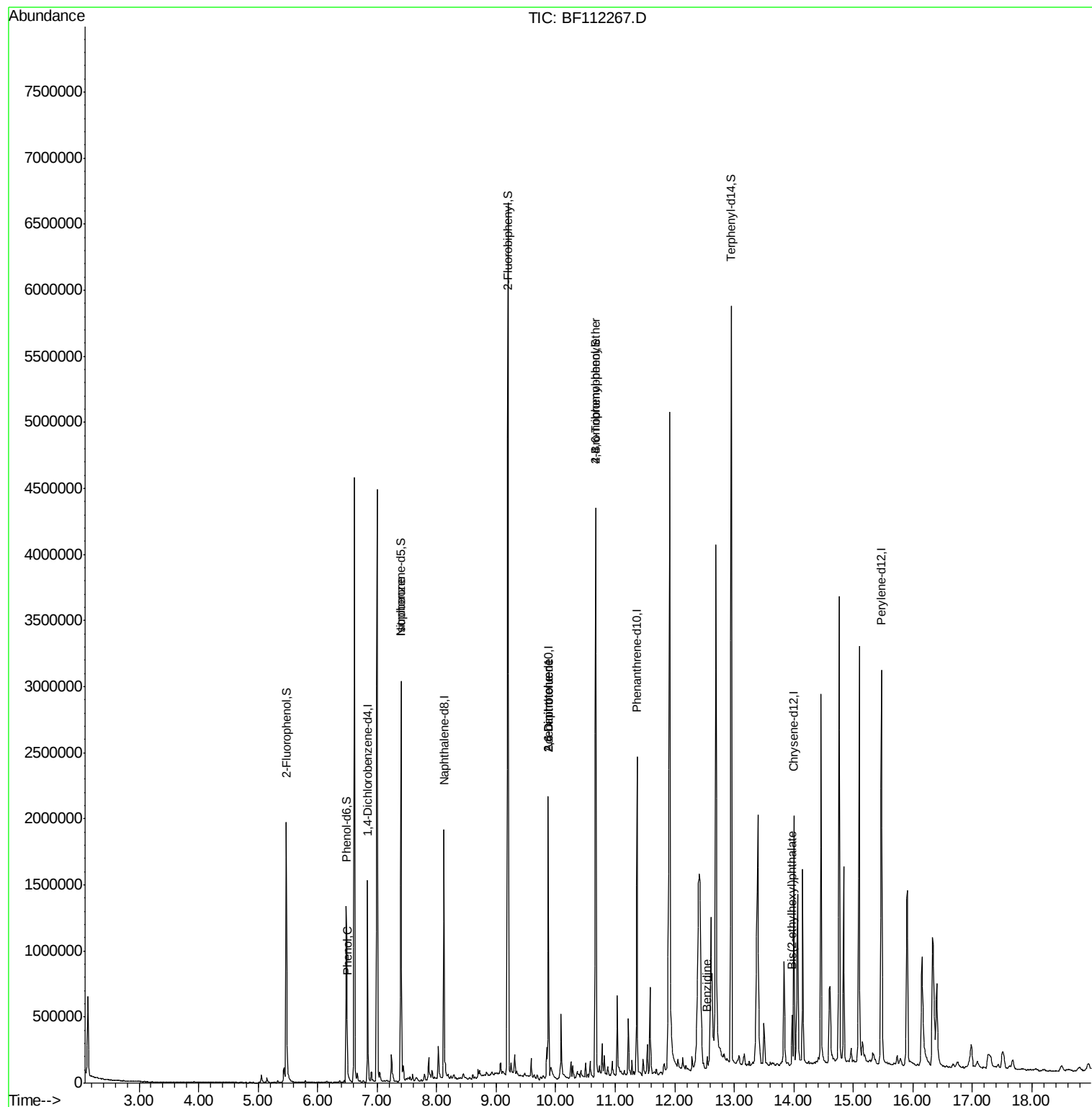
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	232008	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	888536	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	451979	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	869851	20.00	ng	0.00
76) Chrysene-d12	14.00	240	624194	20.00	ng	0.00
87) Perylene-d12	15.47	264	461299	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	621146	56.87	ng	0.00
7) Phenol-d6	6.48	99	481023	31.69	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1098629	71.24	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	569209	108.20	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	2224060	69.60	ng	0.00
79) Terphenyl-d14	12.95	244	2173671	65.59	ng	0.00
Target Compounds						
10) Phenol	6.50	94	59458	3.571	ng	# 76
25) Isophorone	7.40	82	1083238	44.777	ng	# 64
51) 2,6-Dinitrotoluene	9.87	165	58779	7.474	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	58779	5.871	ng	# 32
67) 4-Bromophenyl-phenylether	10.67	248	34061	3.329	ng	# 1
77) Benzidine	12.55	184	39870	2.321	ng	# 82
84) Bis(2-ethylhexyl)phthalate	13.97	149	111498	3.757	ng	# 96

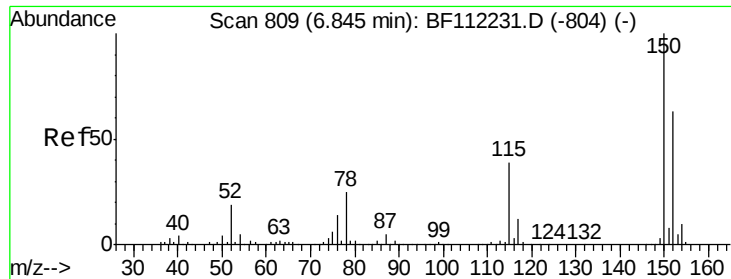
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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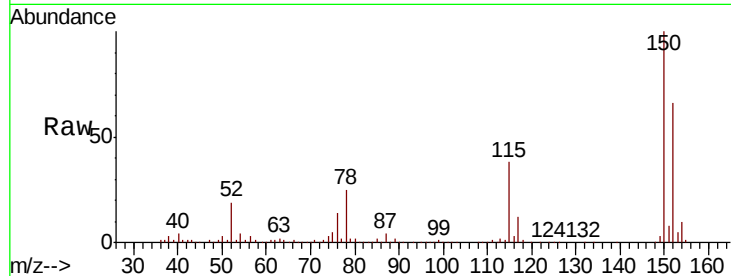


#1

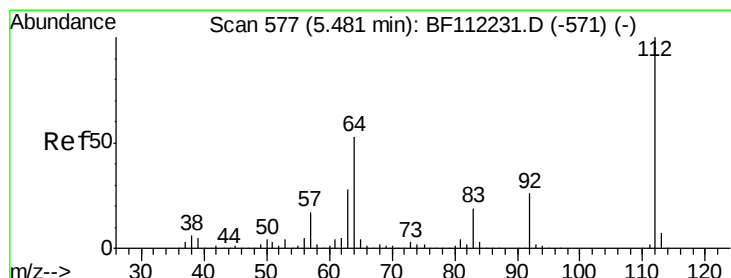
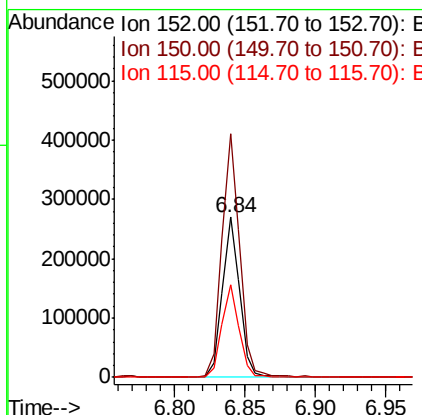
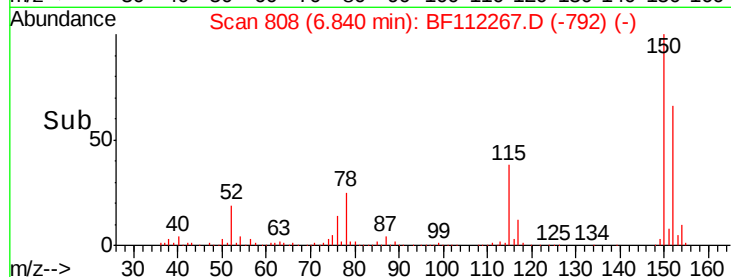
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112267.D
Acq: 28 Jan 2019 11:50

Instrument :
BNA_F
ClientSampled :
MH-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	127.4	191.0
115	57.6	45.5	68.3



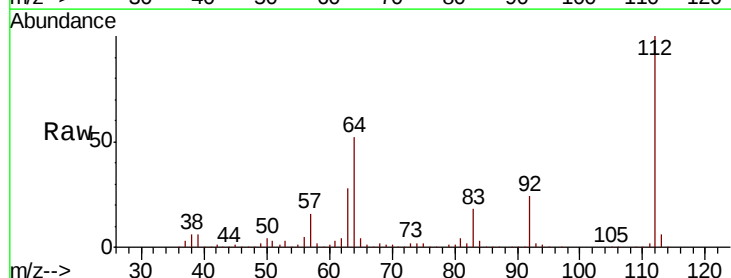
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



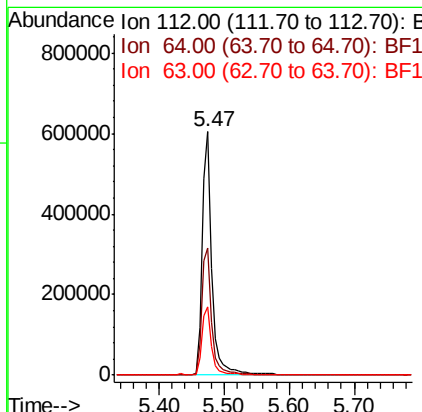
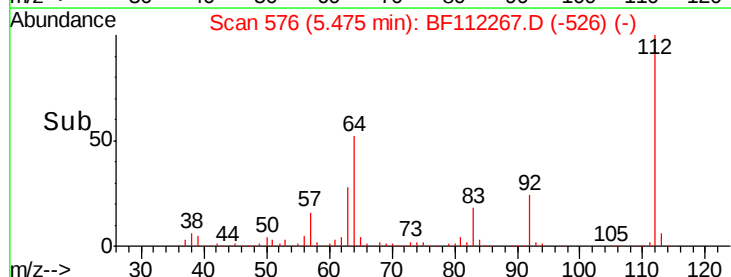
#5

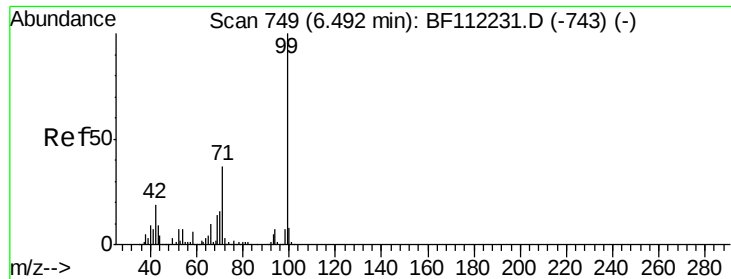
2-Fluorophenol
Concen: 56.867 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112267.D
Acq: 28 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	45.7	68.5
63	27.9	23.6	35.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 31.692 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112267.D

Acq: 28 Jan 2019 11:50

Instrument :

BNA_F

ClientSampleId :

MH-6

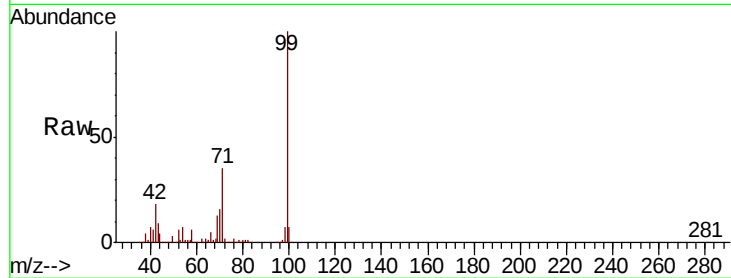
Tot Ion: 99 Resp: 481023

Ion Ratio Lower Upper

99 100

42 17.9 15.1 22.7

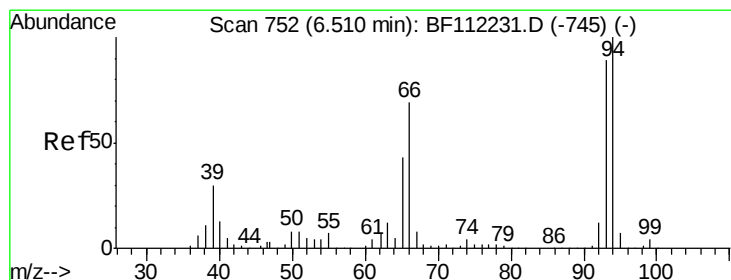
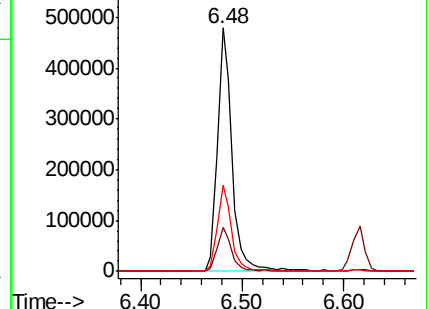
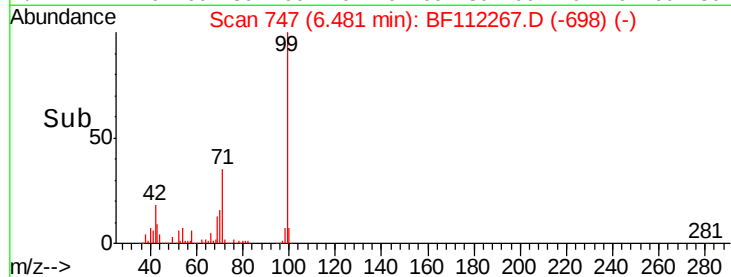
71 35.3 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.571 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112267.D

Acq: 28 Jan 2019 11:50

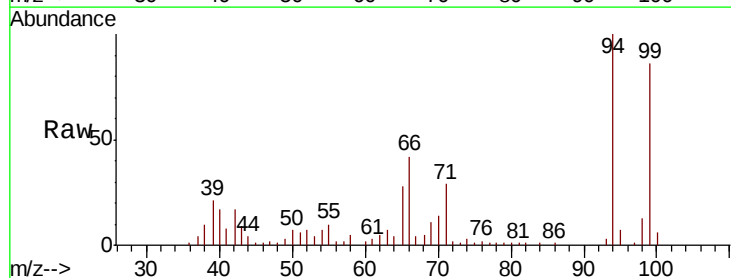
Tgt Ion: 94 Resp: 59458

Ion Ratio Lower Upper

94 100

65 27.8 20.3 60.3

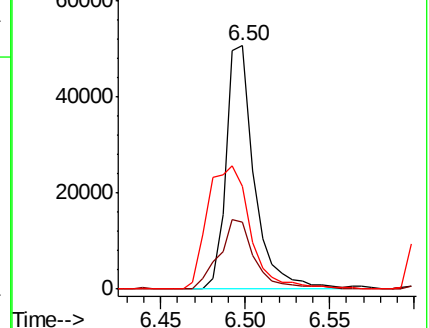
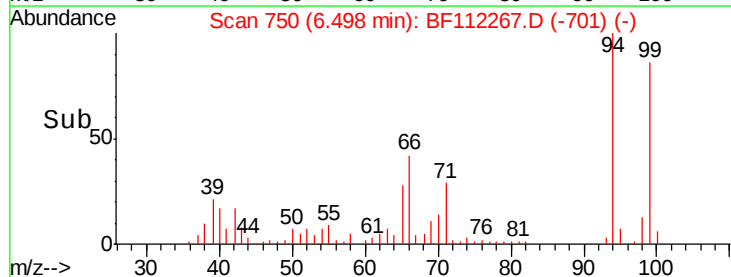
66 42.0 42.4 82.4#

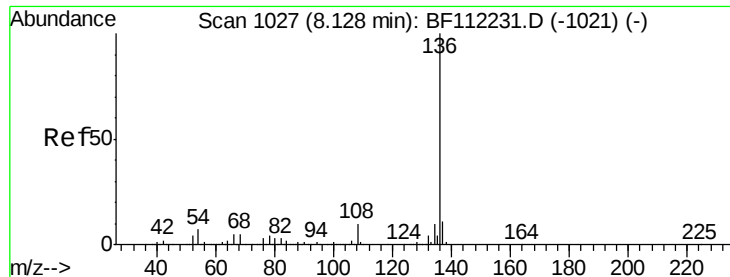


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112267.D

Acq: 28 Jan 2019 11:50

Instrument :

BNA_F

ClientSampled :

MH-6

Tot Ion:136 Resp: 888536

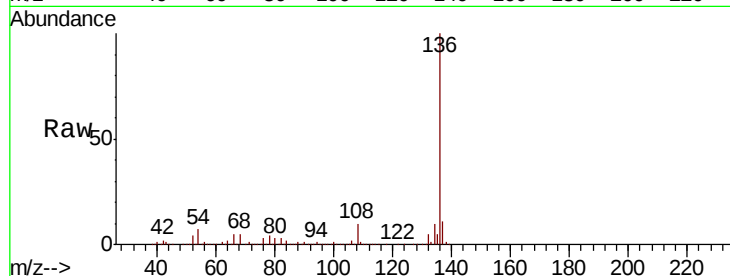
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.5 5.9 8.9

68 5.3 5.1 7.7

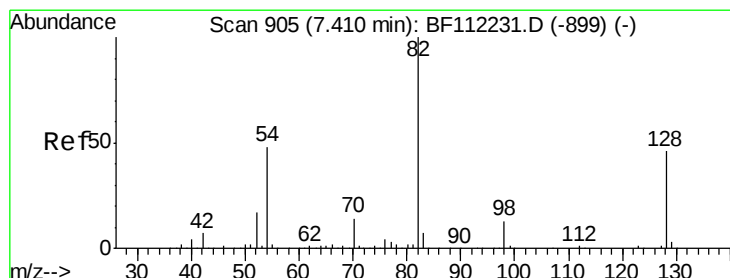
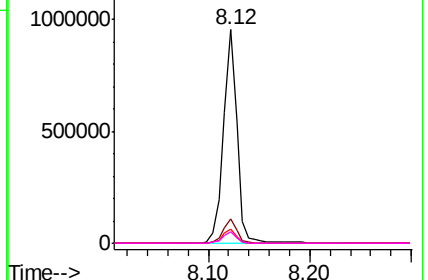
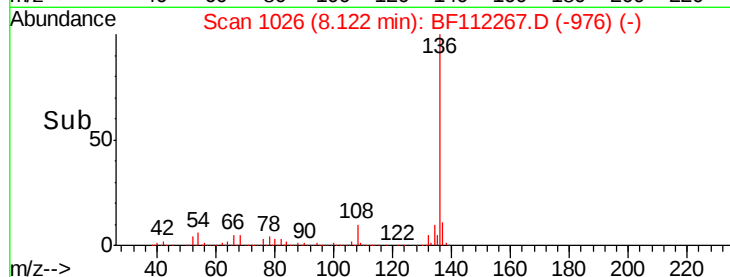


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 71.244 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF112267.D

Acq: 28 Jan 2019 11:50

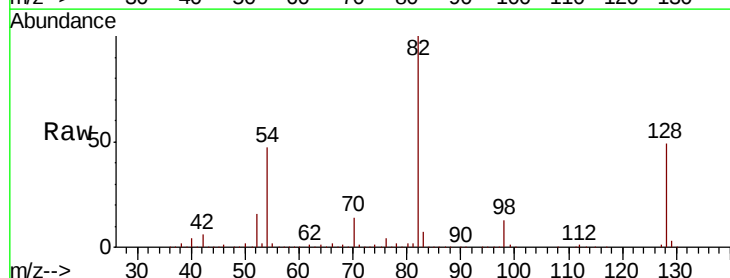
Tgt Ion: 82 Resp: 1098629

Ion Ratio Lower Upper

82 100

128 48.9 37.8 56.8

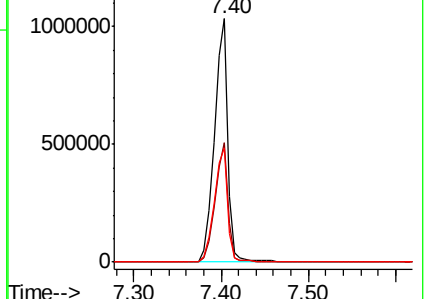
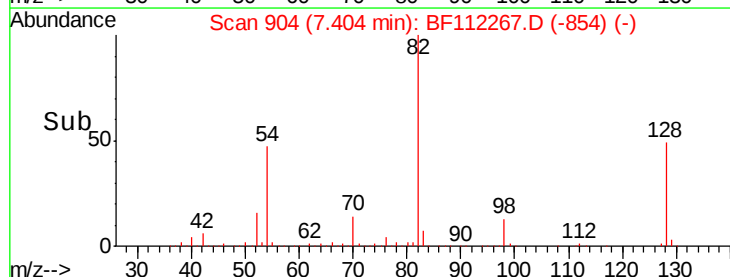
54 46.8 39.7 59.5

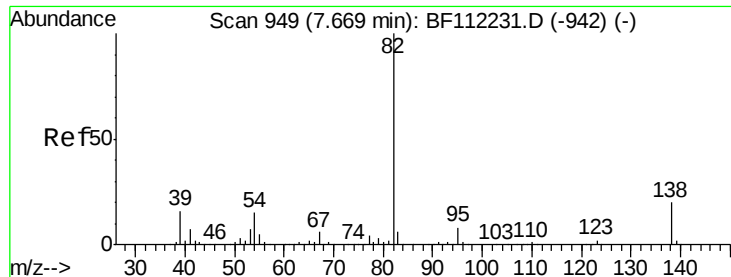


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.777 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF112267.D

Acq: 28 Jan 2019 11:50

Instrument :

BNA_F

ClientSampleId :

MH-6

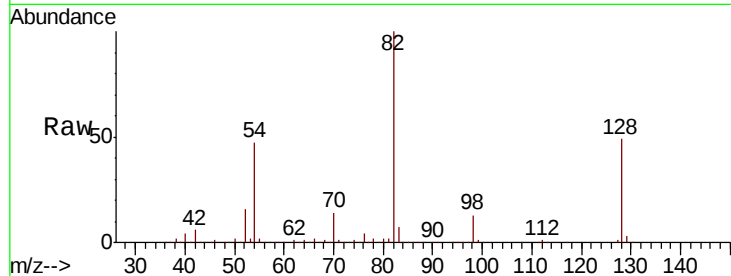
Tot Ion: 82 Resp: 1083238

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

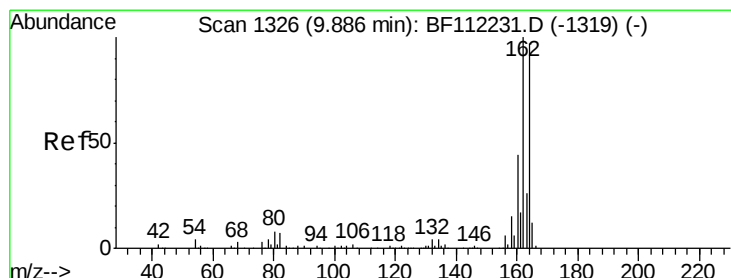
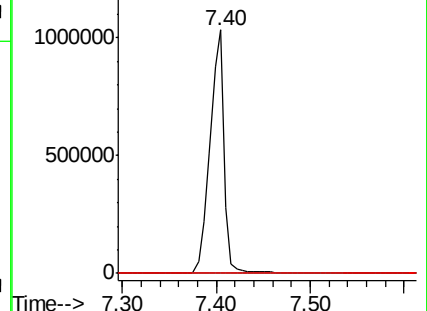
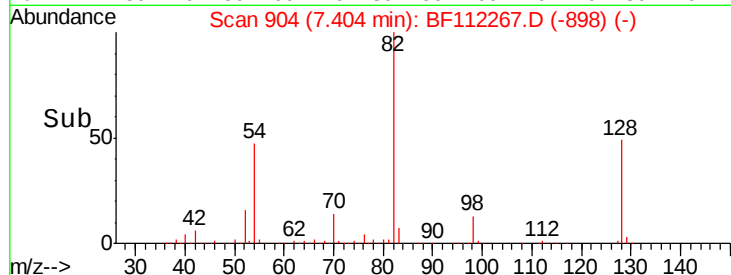
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112267.D

Acq: 28 Jan 2019 11:50

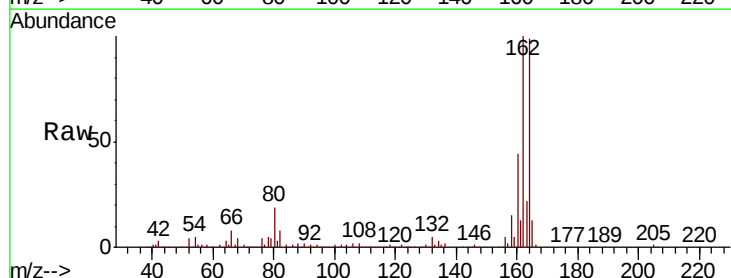
Tgt Ion:164 Resp: 451979

Ion Ratio Lower Upper

164 100

162 101.2 82.2 123.4

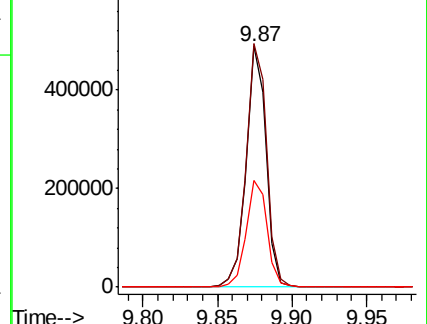
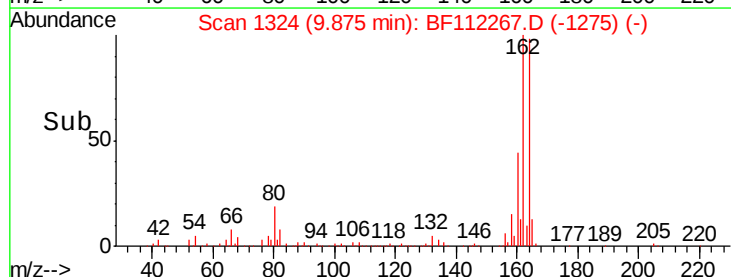
160 44.6 36.2 54.4

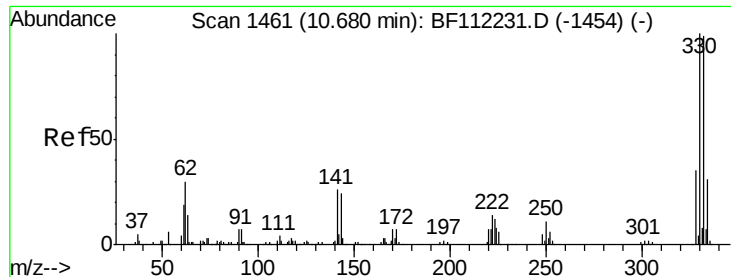


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

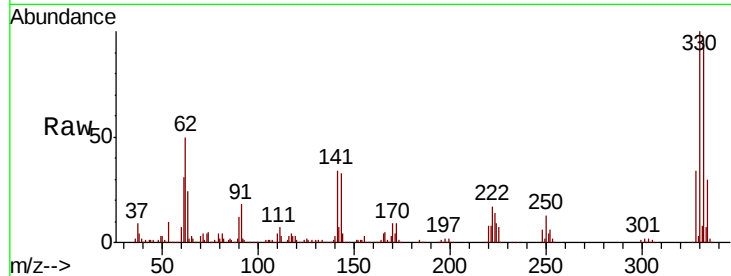




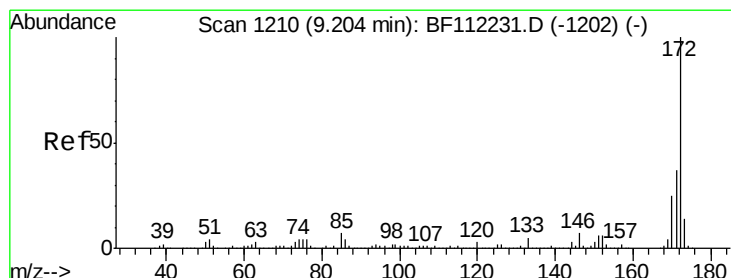
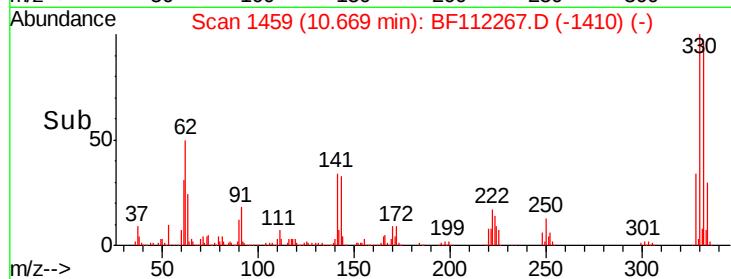
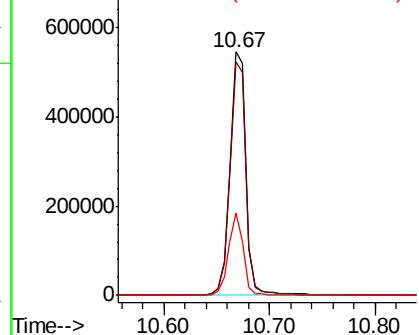
#42
 2,4,6-Tribromophenol
 Concen: 108.196 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112267.D
 Acq: 28 Jan 2019 11:50

Instrument :
 BNA_F
 ClientSampleId :
 MH-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	114.8
141	32.2	24.3	36.5

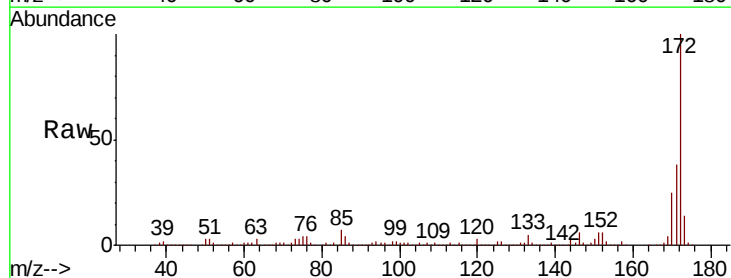


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

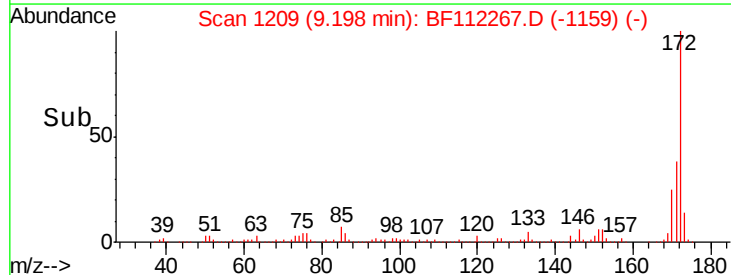
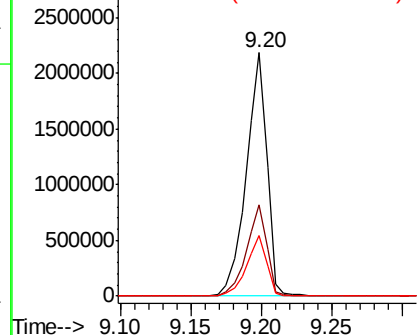


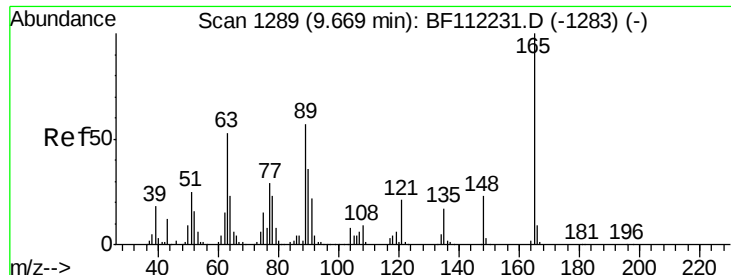
#45
 2-Fluorobiphenyl
 Concen: 69.595 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF112267.D
 Acq: 28 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.5	45.7
170	24.9	20.2	30.4



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

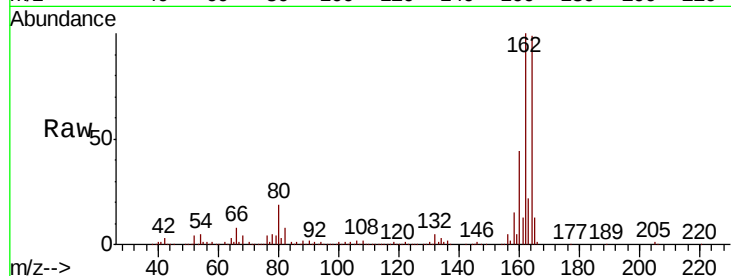




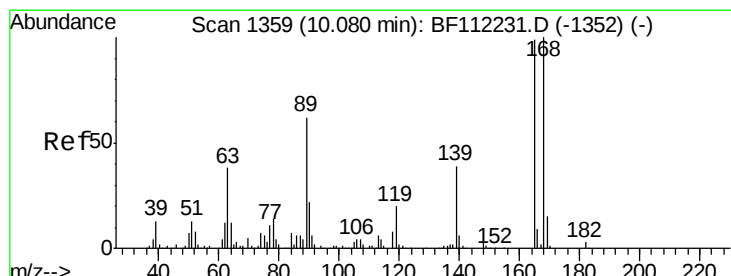
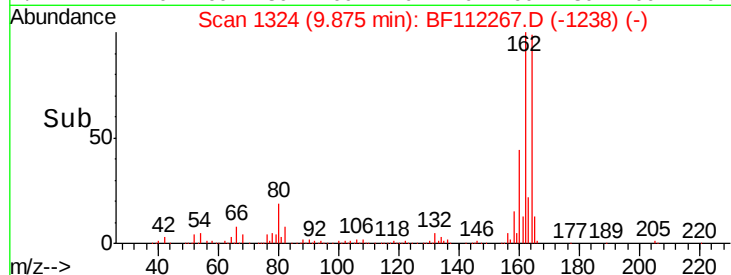
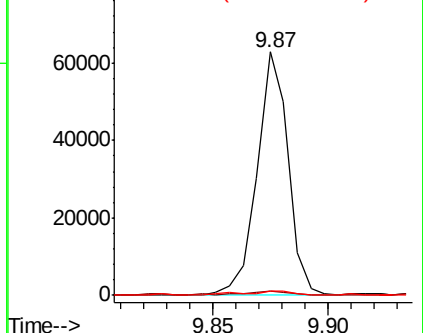
#51
 2,6-Dinitrotoluene
 Concen: 7.474 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF112267.D
 Acq: 28 Jan 2019 11:50

Instrument :
 BNA_F
 ClientSampleId :
 MH-6

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	33.8	50.8#
89	1.8	36.9	55.3#



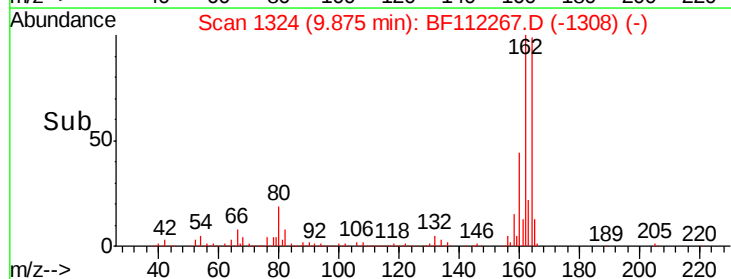
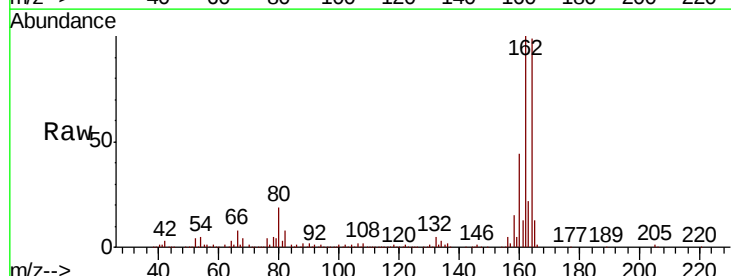
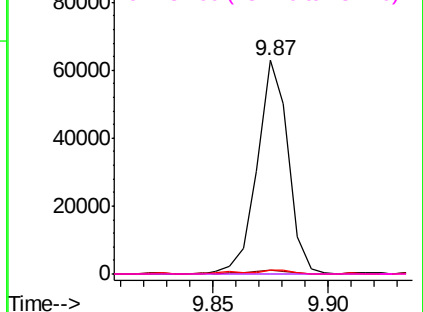
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

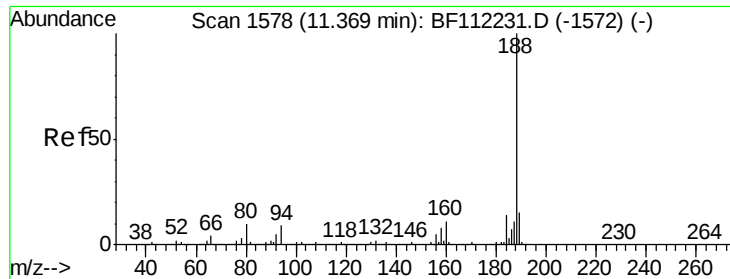


#57
 2,4-Dinitrotoluene
 Concen: 5.871 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF112267.D
 Acq: 28 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	27.9	41.9#
89	1.8	47.9	71.9#
182	0.0	2.2	3.4#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

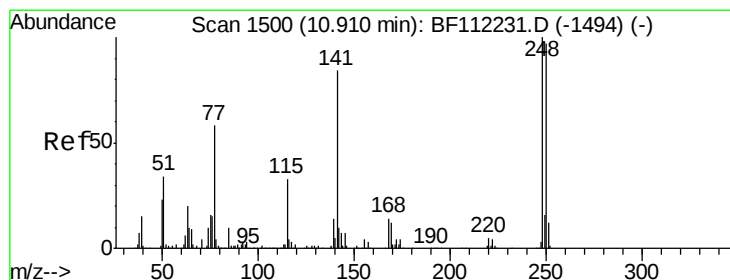
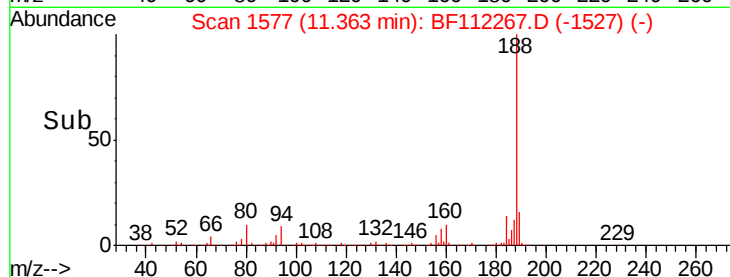
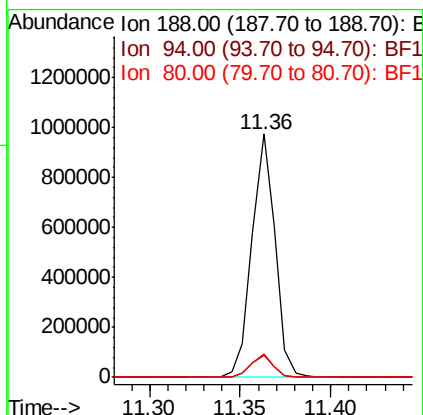
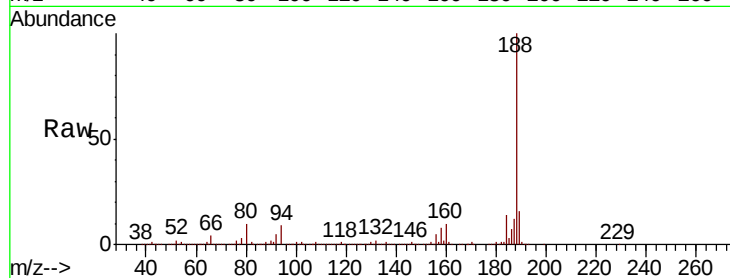




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF112267.D
 Acq: 28 Jan 2019 11:50

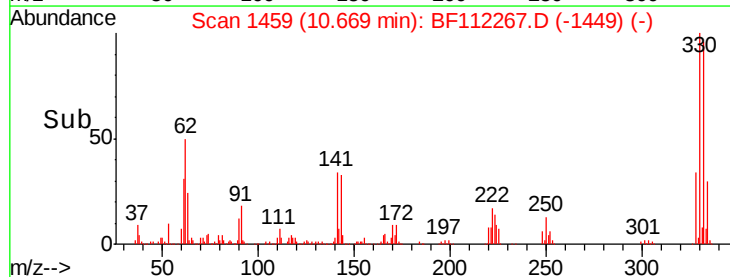
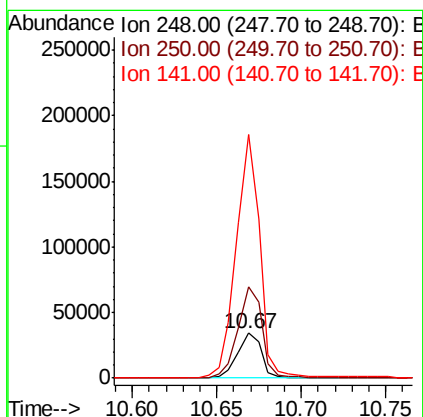
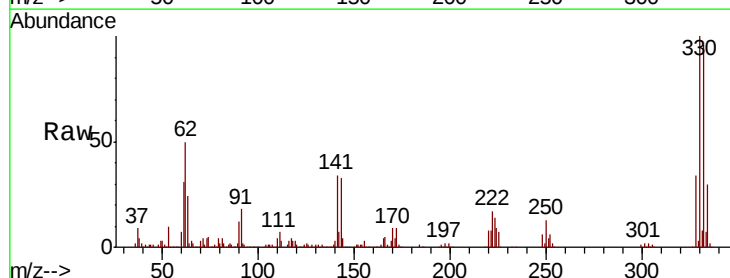
Instrument :
 BNA_F
 ClientSampleId :
 MH-6

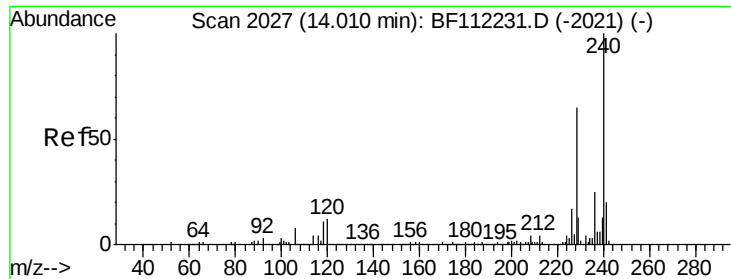
Tot Ion:188 Resp: 869851
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.2 12.2
 80 9.7 8.9 13.3



#67
 4-Bromophenyl-phenylether
 Concen: 3.329 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.24 min
 Lab File: BF112267.D
 Acq: 28 Jan 2019 11:50

Tgt Ion:248 Resp: 34061
 Ion Ratio Lower Upper
 248 100
 250 203.1 79.7 119.5#
 141 540.9 60.3 90.5#

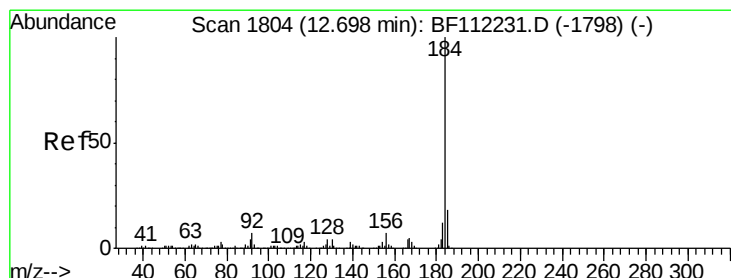
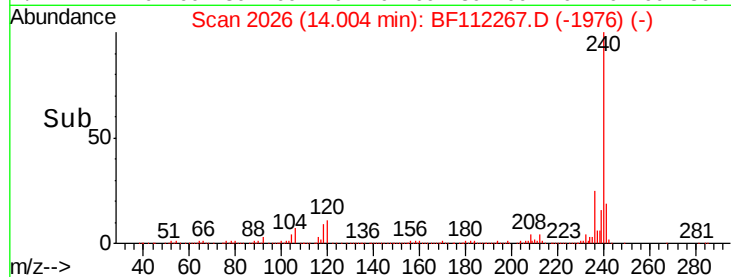
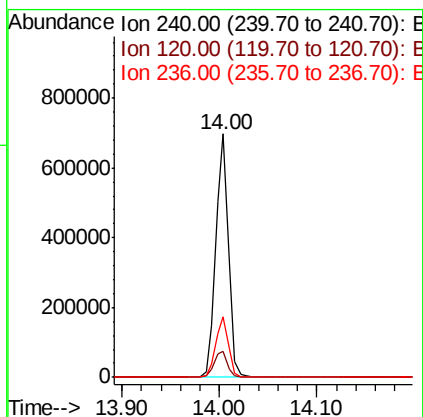
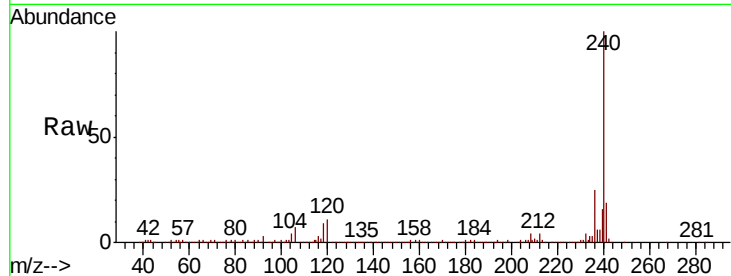




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112267.D
Acq: 28 Jan 2019 11:50

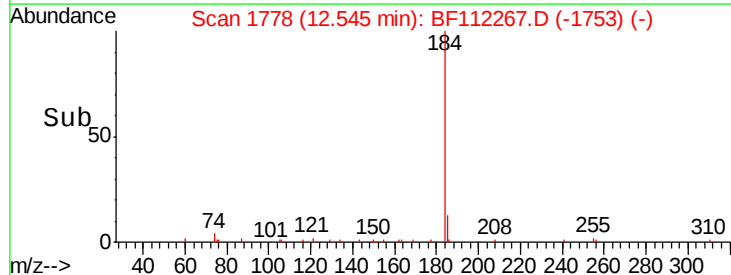
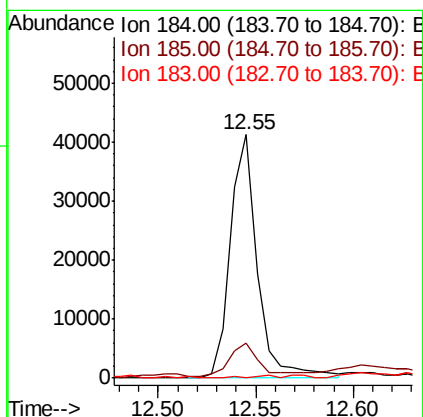
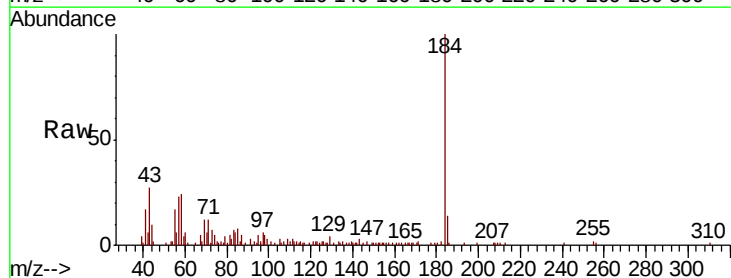
Instrument :
BNA_F
ClientSampleId :
MH-6

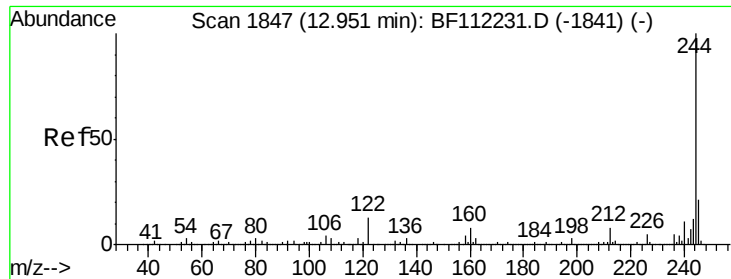
Tot Ion:240 Resp: 624194
Ion Ratio Lower Upper
240 100
120 10.6 9.0 13.6
236 25.0 20.7 31.1



#77
Benzidine
Concen: 2.321 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.15 min
Lab File: BF112267.D
Acq: 28 Jan 2019 11:50

Tgt Ion:184 Resp: 39870
Ion Ratio Lower Upper
184 100
185 14.2 13.9 20.9
183 0.0 10.0 15.0#





#79

Terphenyl-d14

Concen: 65.588 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF112267.D

Acq: 28 Jan 2019 11:50

Instrument :

BNA_F

ClientSampled :

MH-6

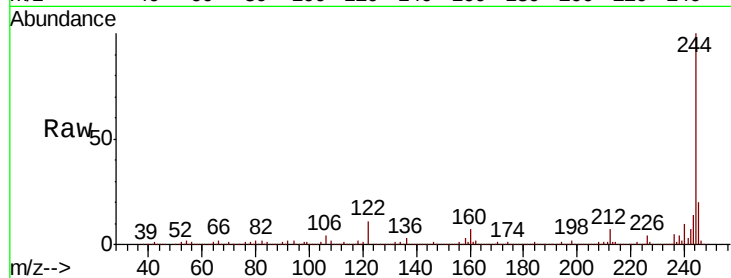
Tot Ion:244 Resp: 2173671

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

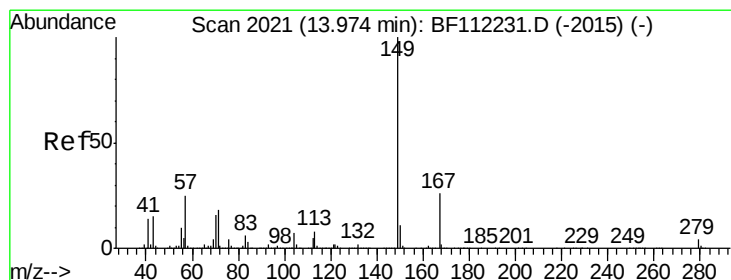
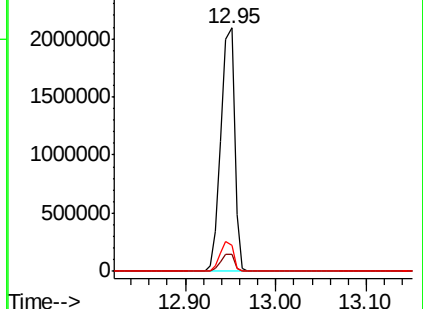
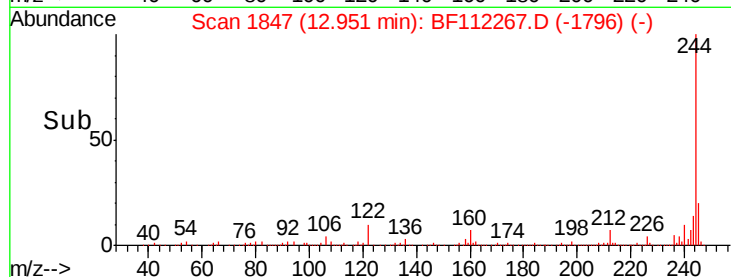
122 10.5 9.8 14.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.757 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112267.D

Acq: 28 Jan 2019 11:50

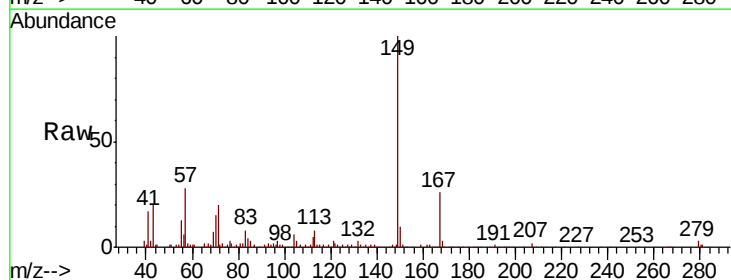
Tgt Ion:149 Resp: 111498

Ion Ratio Lower Upper

149 100

167 25.9 22.5 33.7

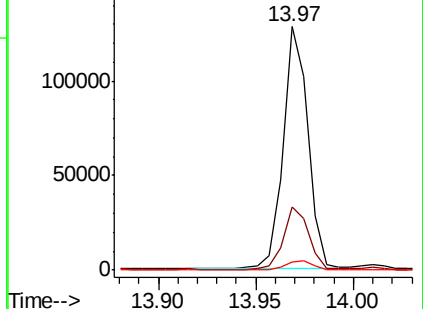
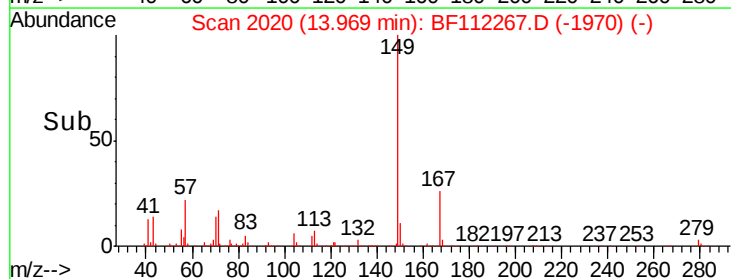
279 3.4 3.8 5.6#

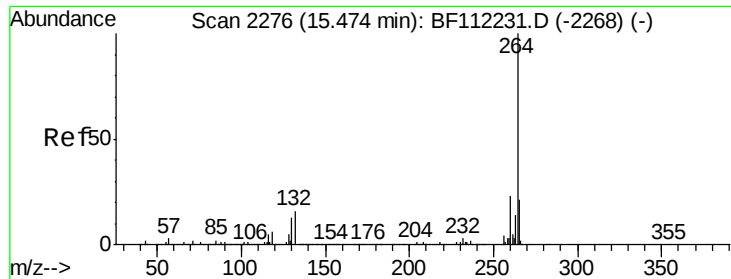


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112267.D
Acq: 28 Jan 2019 11:50

Instrument :
BNA_F
ClientSampleId :
MH-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	21.7	17.0	25.4

