

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021919\
 Data File : BF112614.D
 Acq On : 19 Feb 2019 12:01
 Operator : JU/SJ
 Sample : K1511-01RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 16:14:53 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

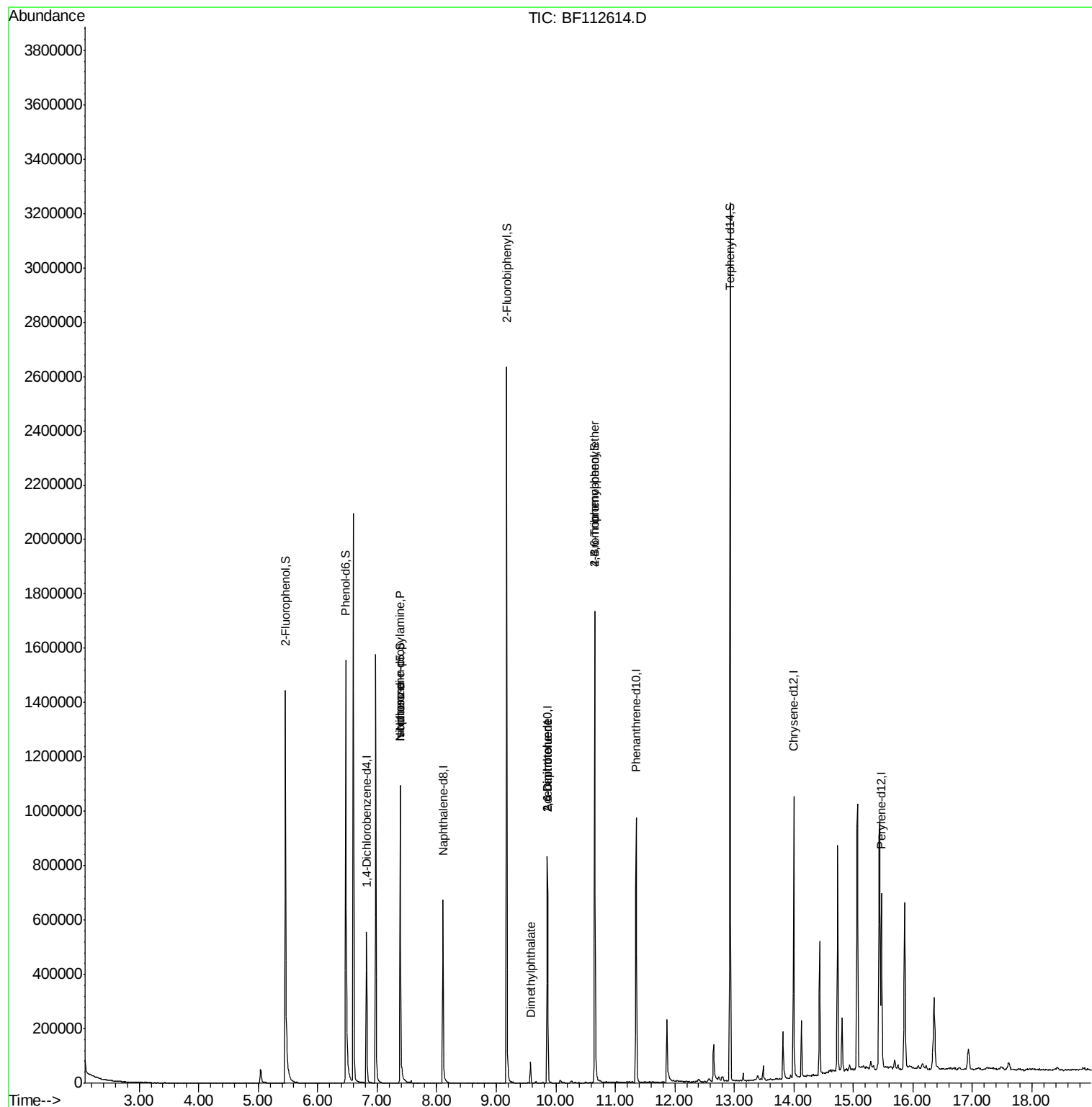
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	87081	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	347515	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	176815	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	371433	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	353100	20.00	ng	-0.01
87) Perylene-d12	15.47	264	308261	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	494571	120.63	ng	-0.02
7) Phenol-d6	6.47	99	609120	106.92	ng	-0.02
23) Nitrobenzene-d5	7.39	82	399736	66.28	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	229853	111.68	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	856068	68.48	ng	-0.03
79) Terphenyl-d14	12.93	244	1121270	59.81	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	52735	13.425	ng	# 76
25) Isophorone	7.39	82	399734	42.248	ng	# 63
50) Dimethylphthalate	9.57	163	35406	2.577	ng	# 99
51) 2,6-Dinitrotoluene	9.86	165	22371	7.271	ng	# 33
57) 2,4-Dinitrotoluene	9.86	165	22371	5.711	ng	# 31
67) 4-Bromophenyl-phenylether	10.66	248	13030	2.983	ng	# 1

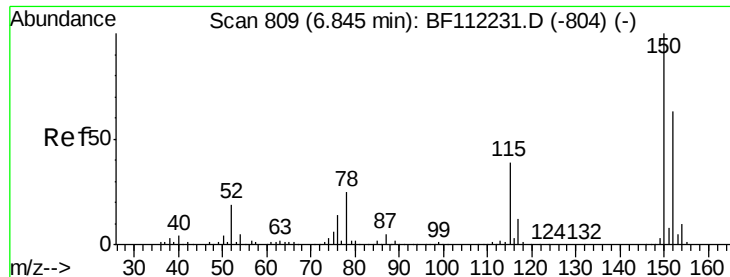
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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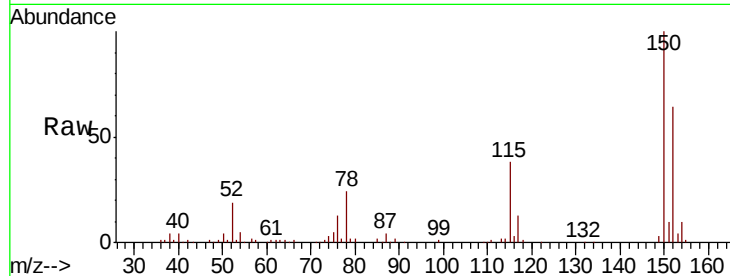


#1

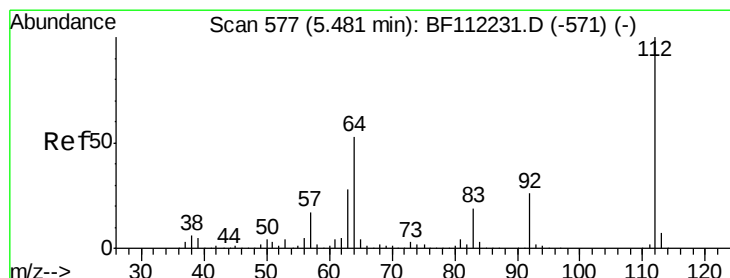
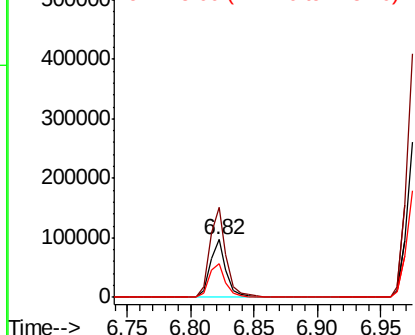
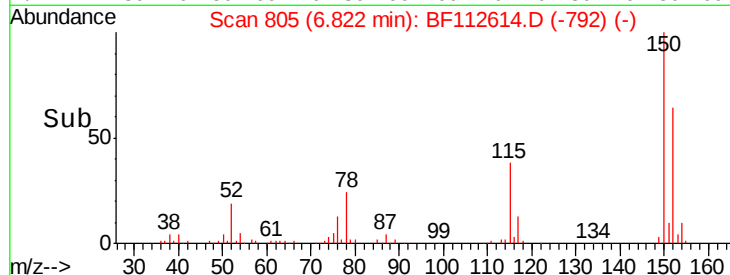
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112614.D
Acq: 19 Feb 2019 12:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 87081
Ion Ratio Lower Upper
152 100
150 156.4 127.4 191.0
115 58.7 45.5 68.3



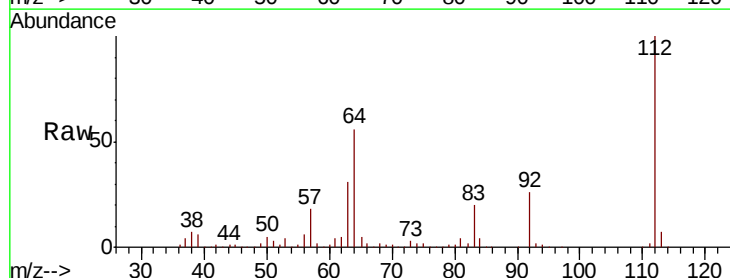
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



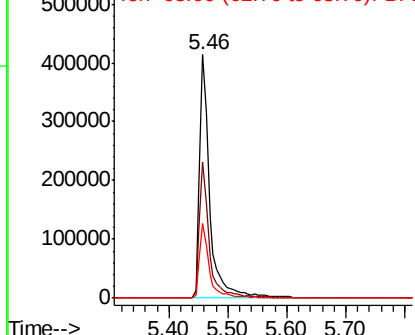
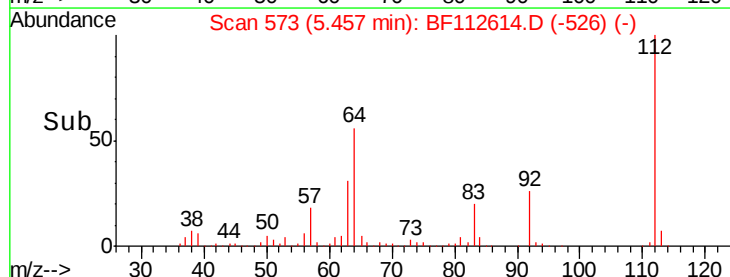
#5

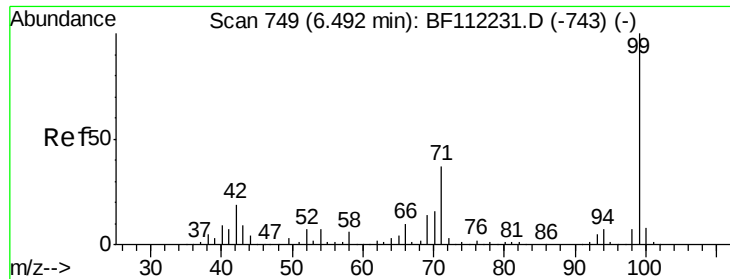
2-Fluorophenol
Concen: 120.635 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF112614.D
Acq: 19 Feb 2019 12:01

Tgt Ion:112 Resp: 494571
Ion Ratio Lower Upper
112 100
64 56.0 45.7 68.5
63 30.6 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: 106.923 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112614.D

Acq: 19 Feb 2019 12:01

Instrument :

BNA_F

ClientSampleId :

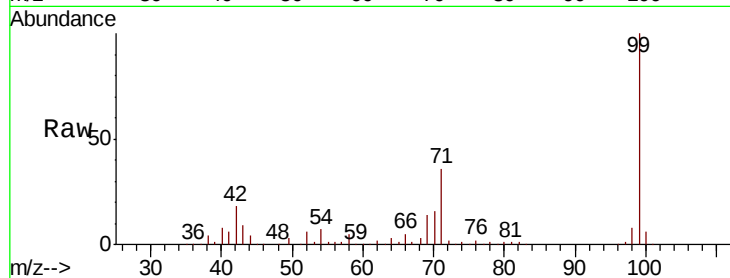
Tot Ion: 99 Resp: 609120

Ion Ratio Lower Upper

99 100

42 18.4 15.1 22.7

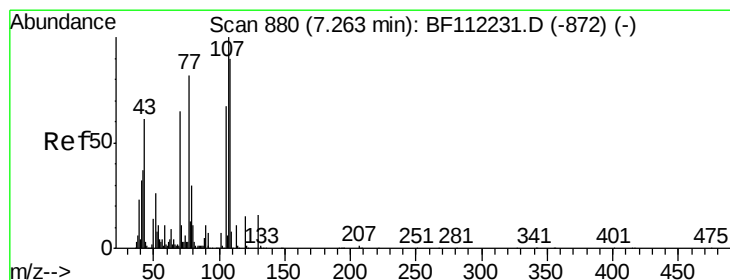
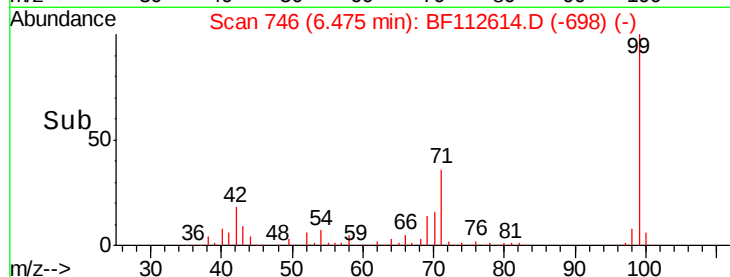
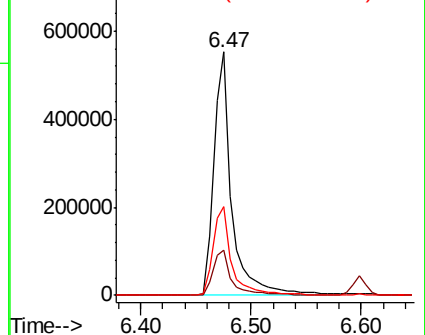
71 36.3 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.425 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.12 min

Lab File: BF112614.D

Acq: 19 Feb 2019 12:01

Tgt Ion: 70 Resp: 52735

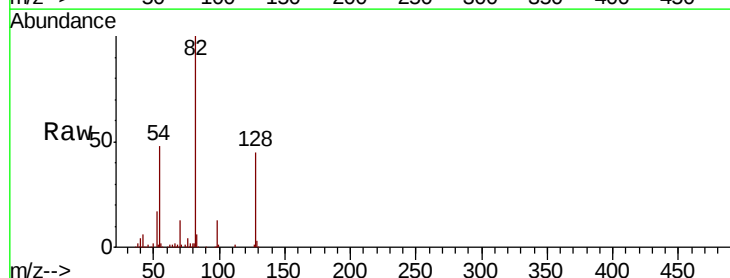
Ion Ratio Lower Upper

70 100

42 47.2 47.6 71.4#

101 0.0 7.9 11.9#

130 1.6 18.4 27.6#

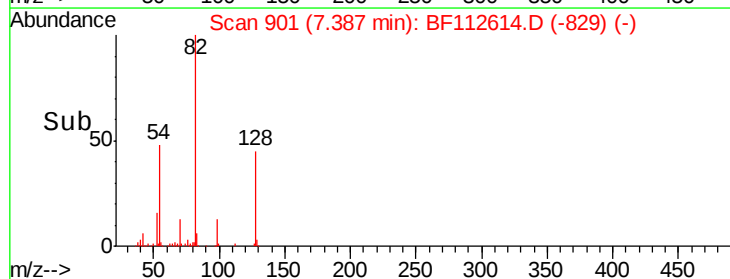
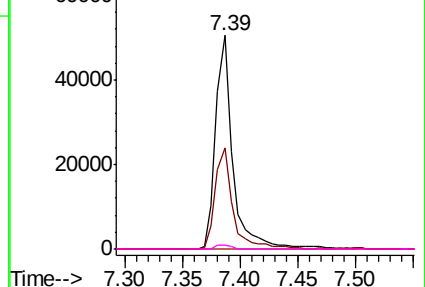


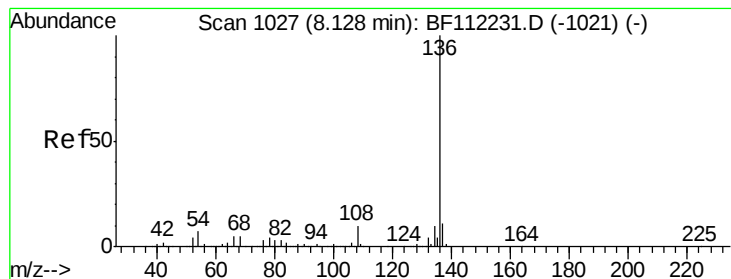
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF112614.D

Acq: 19 Feb 2019 12:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 347515

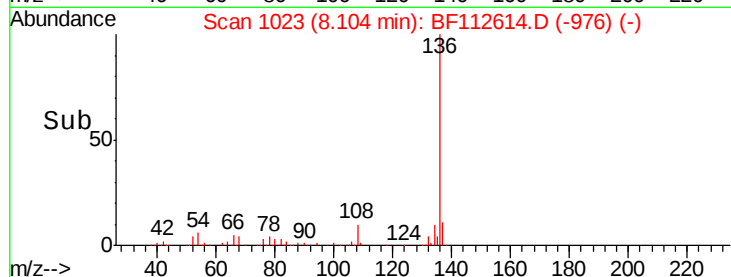
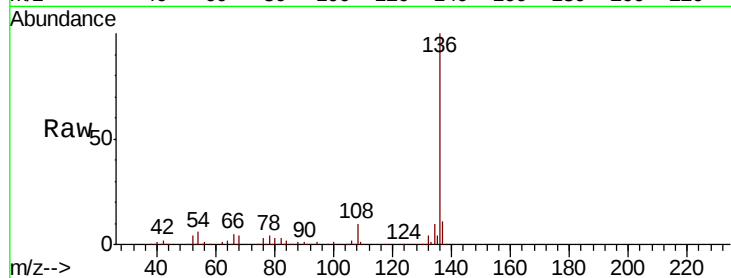
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.1 5.9 8.9

68 4.2 5.1 7.7#



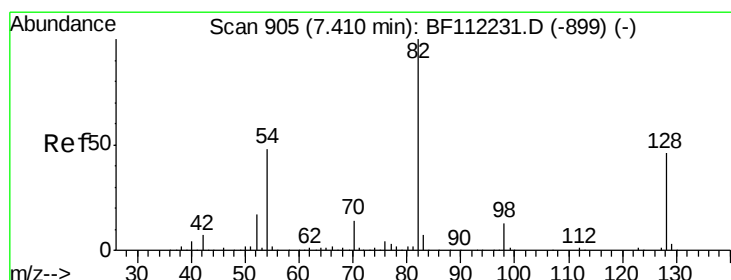
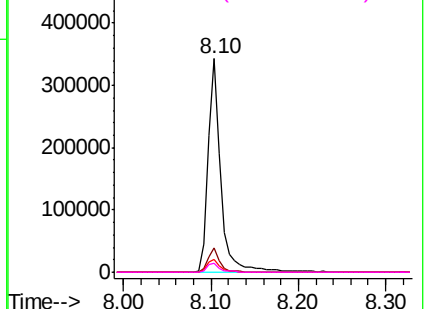
Abundance

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: 66.278 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112614.D

Acq: 19 Feb 2019 12:01

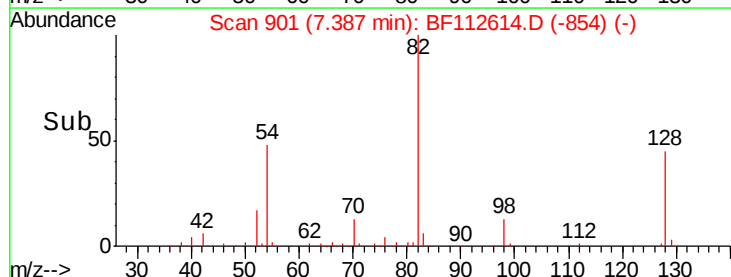
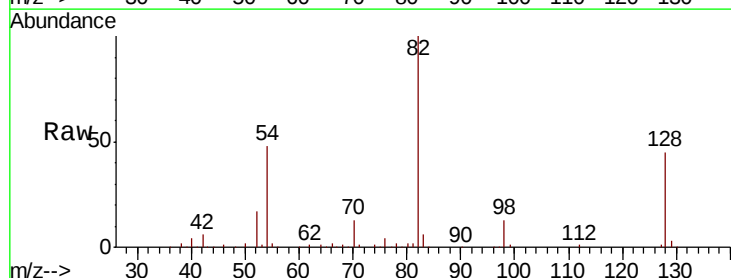
Tgt Ion: 82 Resp: 399736

Ion Ratio Lower Upper

82 100

128 44.5 37.8 56.8

54 48.3 39.7 59.5

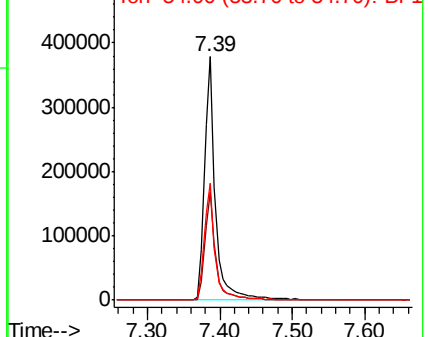


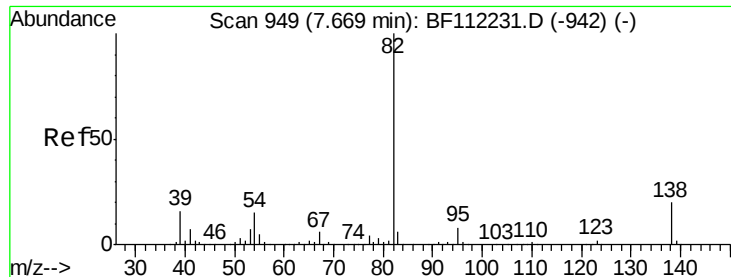
Abundance

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: 42.248 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.28 min

Lab File: BF112614.D

Acq: 19 Feb 2019 12:01

Instrument :

BNA_F

ClientSampleId :

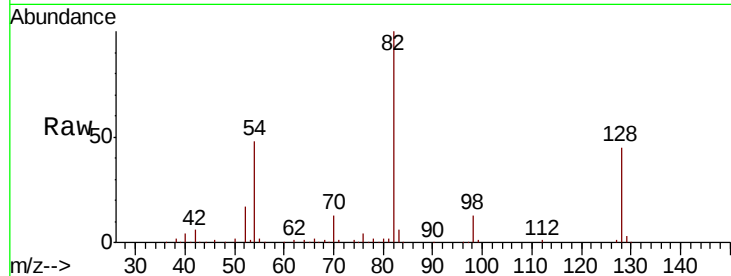
Tot Ion: 82 Resp: 399734

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

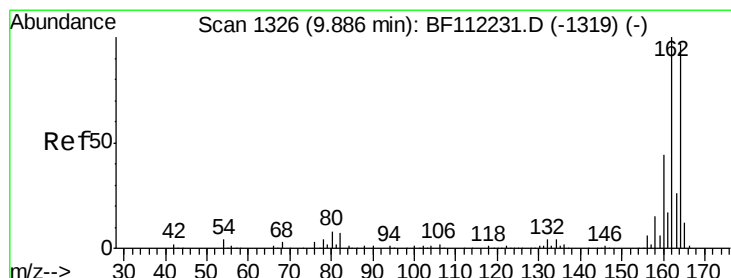
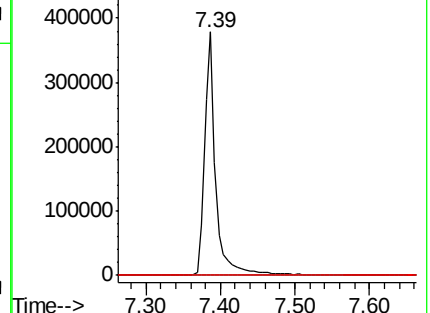
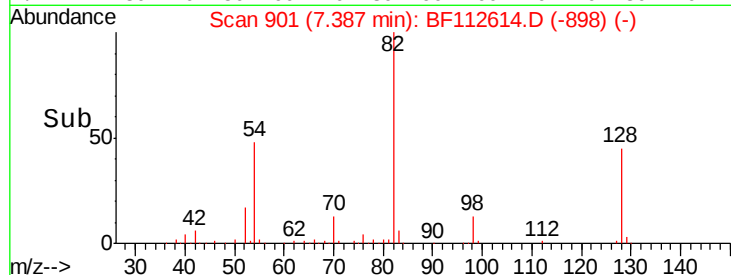
138 0.0 15.4 23.0#



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: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF112614.D

Acq: 19 Feb 2019 12:01

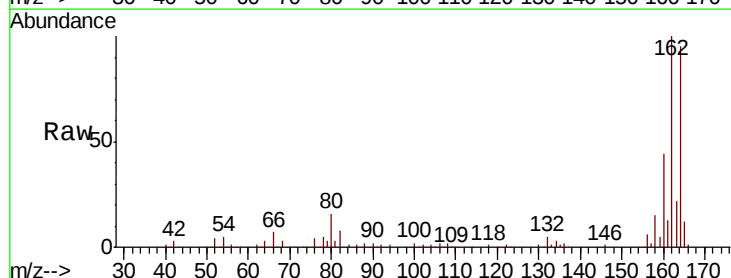
Tgt Ion:164 Resp: 176815

Ion Ratio Lower Upper

164 100

162 105.1 82.2 123.4

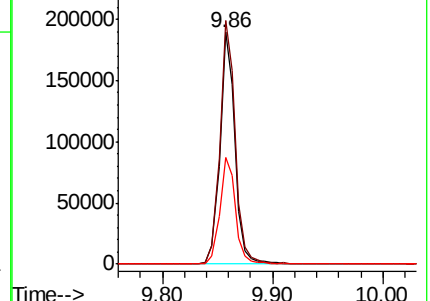
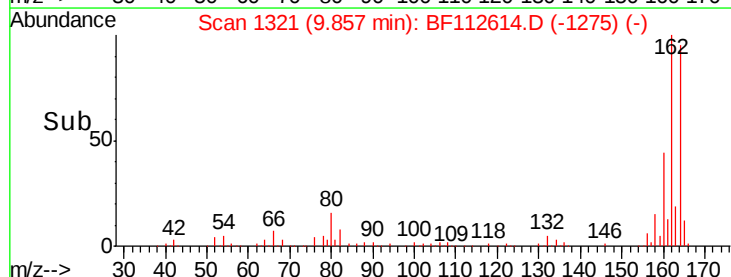
160 46.1 36.2 54.4

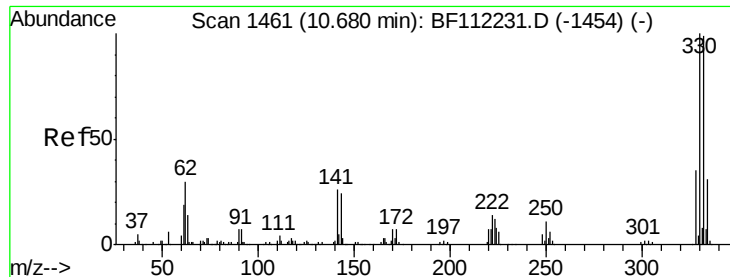


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 111.683 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112614.D

Acq: 19 Feb 2019 12:01

Instrument :

BNA_F

ClientSampleId :

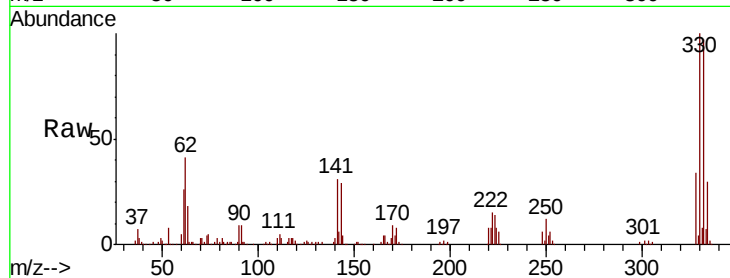
Tot Ion:330 Resp: 229853

Ion Ratio Lower Upper

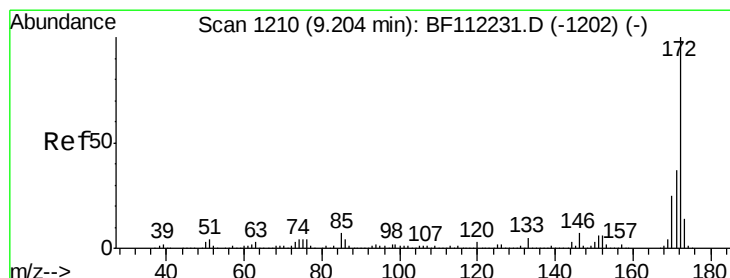
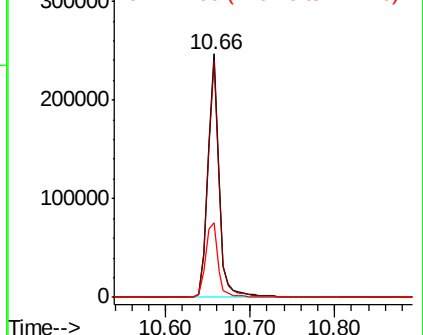
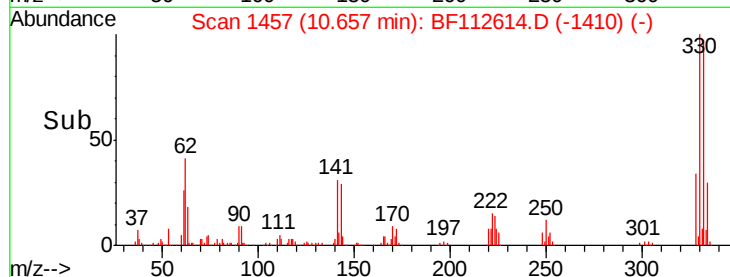
330 100

332 96.9 76.6 114.8

141 34.2 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: 68.477 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF112614.D

Acq: 19 Feb 2019 12:01

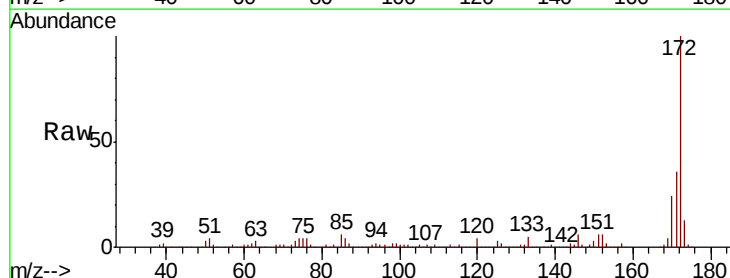
Tgt Ion:172 Resp: 856068

Ion Ratio Lower Upper

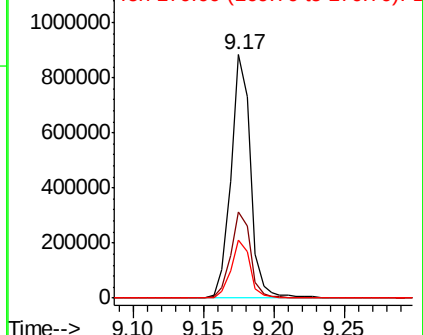
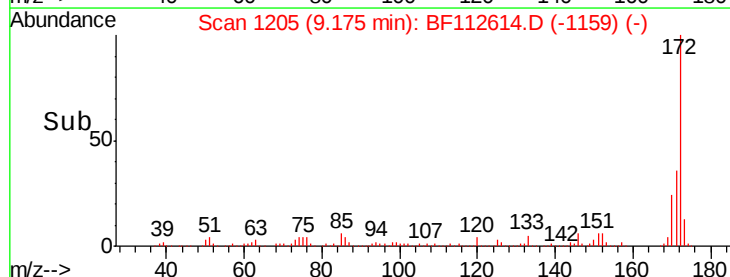
172 100

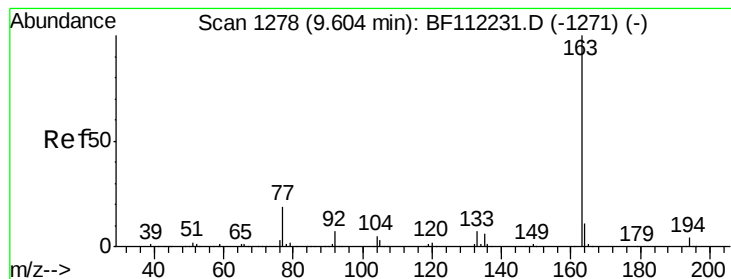
171 35.5 30.5 45.7

170 23.6 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





#50

Dimethylphthalate

Concen: 2.577 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.03 min

Lab File: BF112614.D

Acq: 19 Feb 2019 12:01

Instrument :

BNA_F

ClientSampleId :

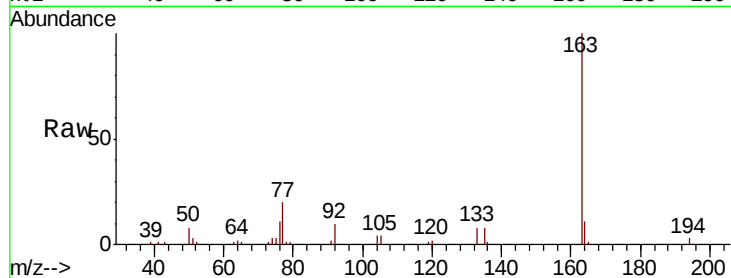
Tot Ion:163 Resp: 35406

Ion Ratio Lower Upper

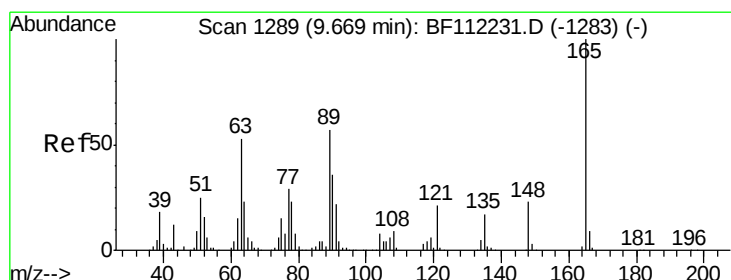
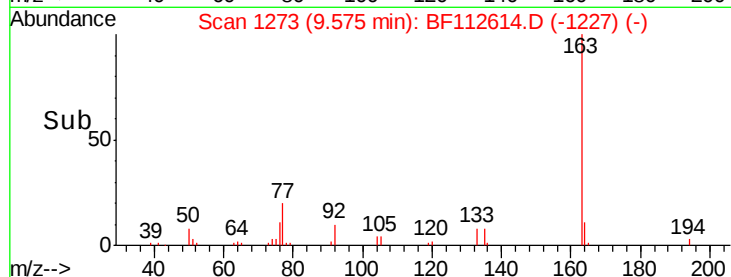
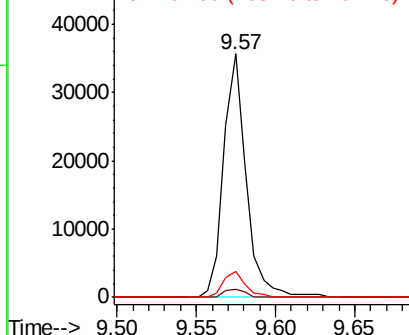
163 100

194 3.5 3.3 4.9

164 10.7 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 7.271 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.19 min

Lab File: BF112614.D

Acq: 19 Feb 2019 12:01

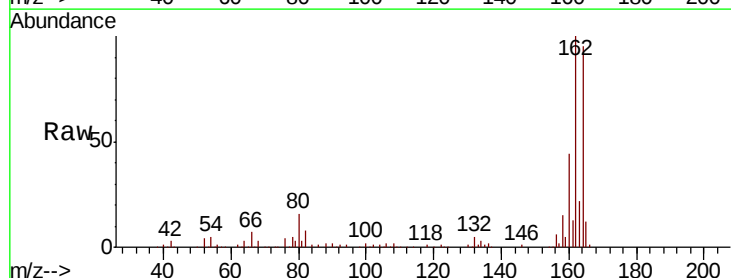
Tgt Ion:165 Resp: 22371

Ion Ratio Lower Upper

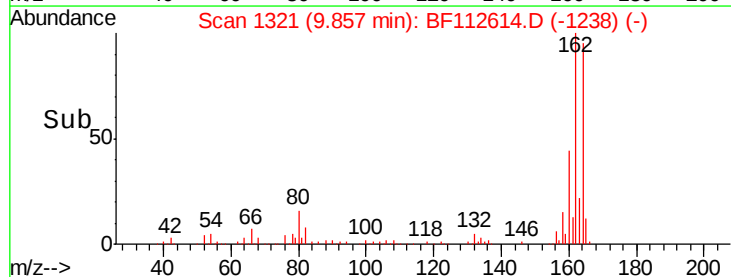
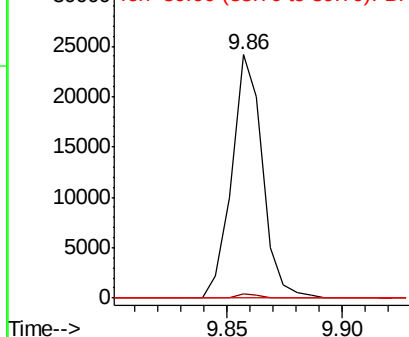
165 100

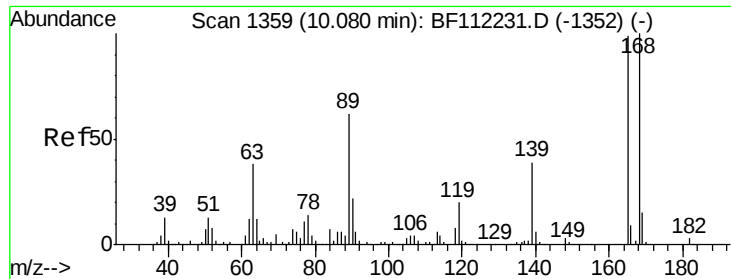
63 1.7 33.8 50.8#

89 0.0 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

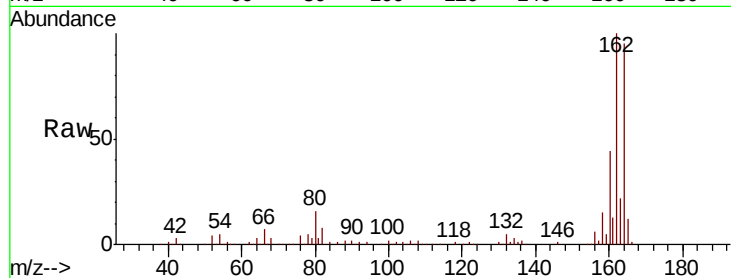




#57
 2,4-Dinitrotoluene
 Concen: 5.711 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.22 min
 Lab File: BF112614.D
 Acq: 19 Feb 2019 12:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	27.9	41.9#
89	0.0	47.9	71.9#
182	0.0	2.2	3.4#

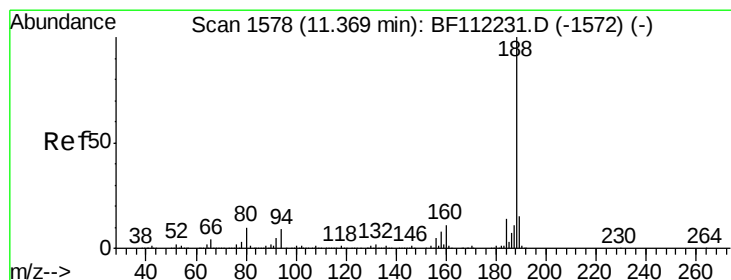
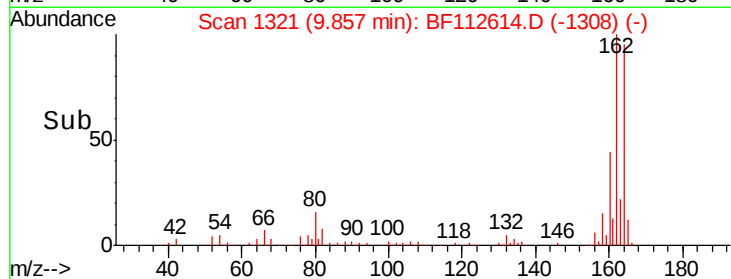
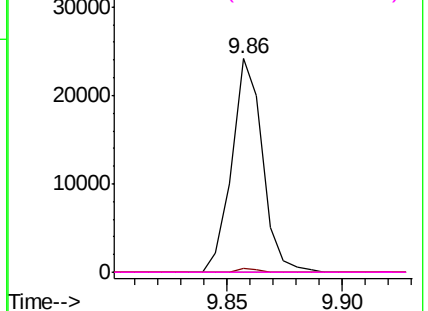


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

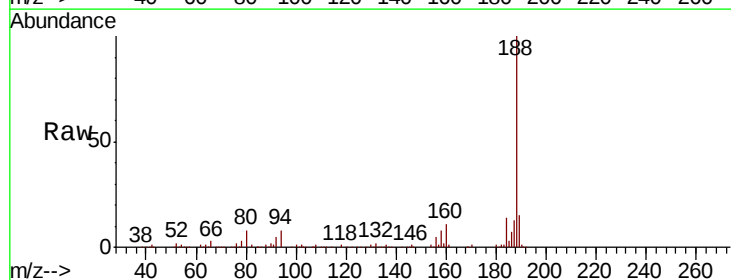
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF112614.D
 Acq: 19 Feb 2019 12:01

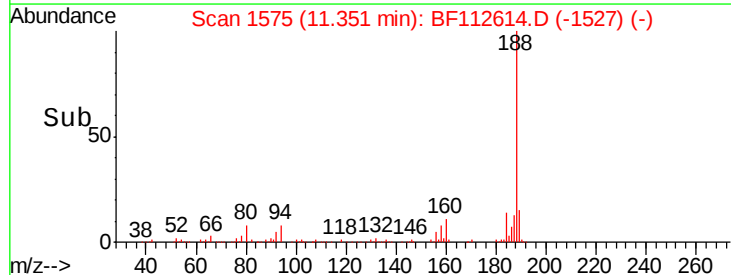
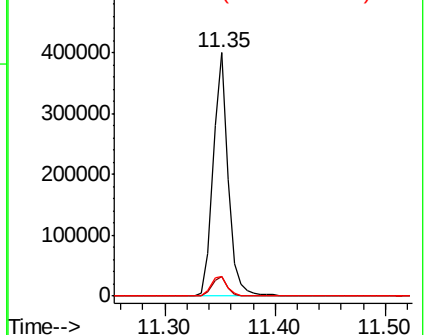
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.2	12.2#
80	8.3	8.9	13.3#

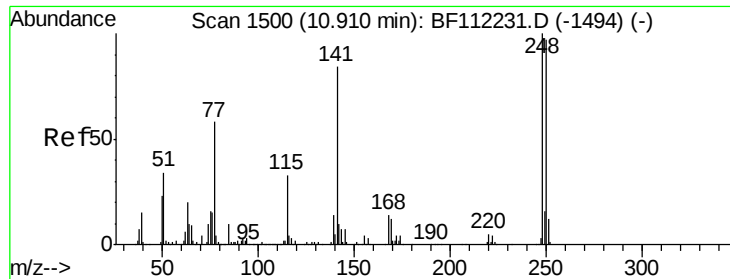


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

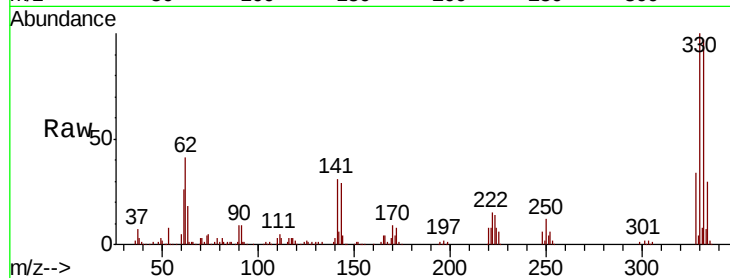




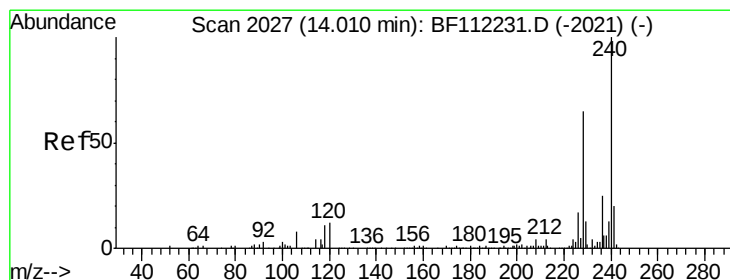
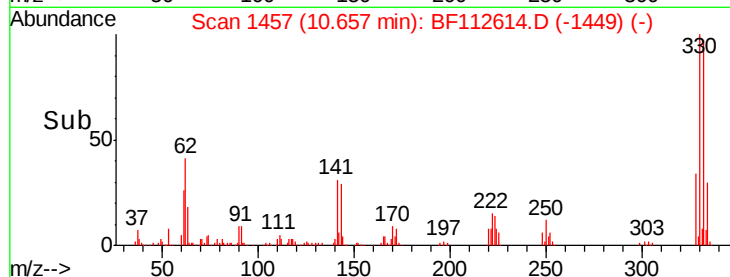
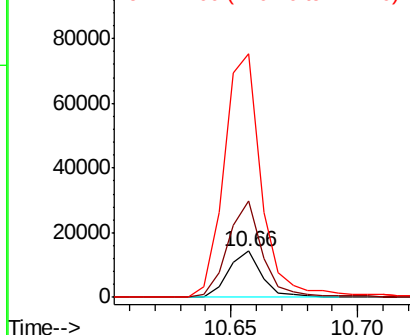
#67
4-Bromophenyl-phenylether
Concen: 2.983 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.25 min
Lab File: BF112614.D
Acq: 19 Feb 2019 12:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13030
Ion Ratio Lower Upper
248 100
250 208.6 79.7 119.5#
141 524.2 60.3 90.5#

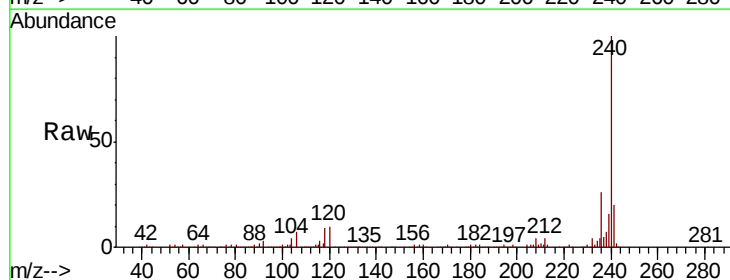


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

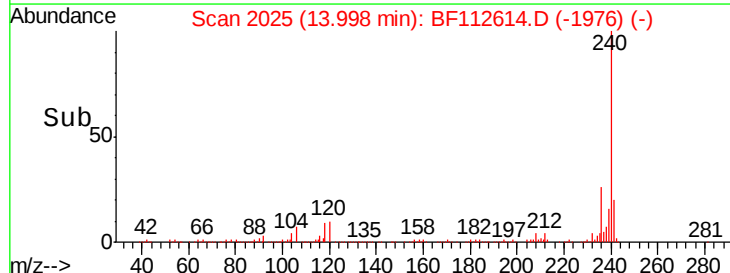
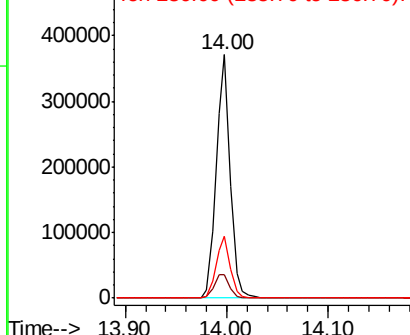


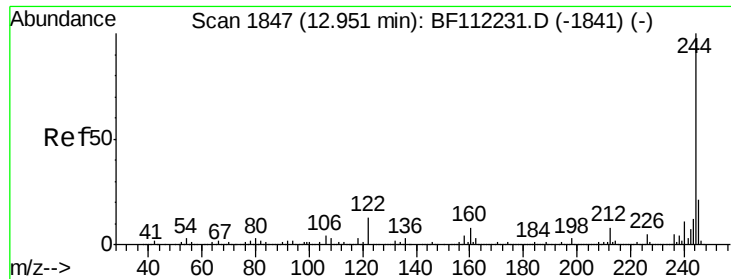
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112614.D
Acq: 19 Feb 2019 12:01

Tgt Ion:240 Resp: 353100
Ion Ratio Lower Upper
240 100
120 9.9 9.0 13.6
236 25.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

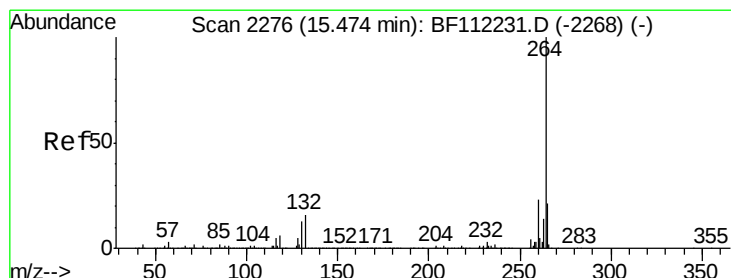
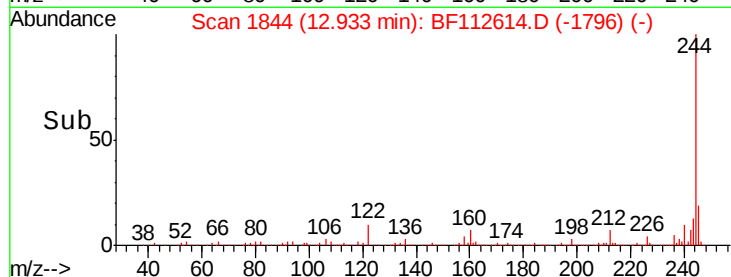
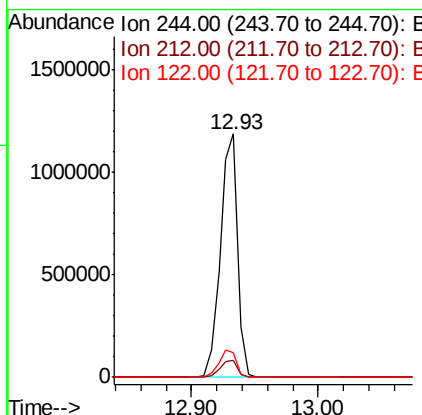
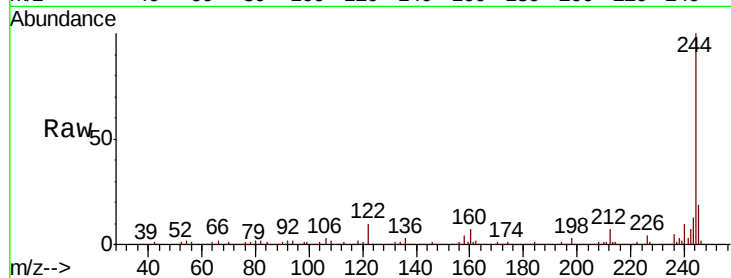




#79
 Terphenyl-d14
 Concen: 59.809 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF112614.D
 Acq: 19 Feb 2019 12:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1121270
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.2 9.8 14.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF112614.D
 Acq: 19 Feb 2019 12:01

Tgt Ion:264 Resp: 308261
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.2 27.2
 265 21.4 17.0 25.4

