

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021919\
 Data File : BF112618.D
 Acq On : 19 Feb 2019 13:54
 Operator : JU/SJ
 Sample : K1515-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 16:15:30 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

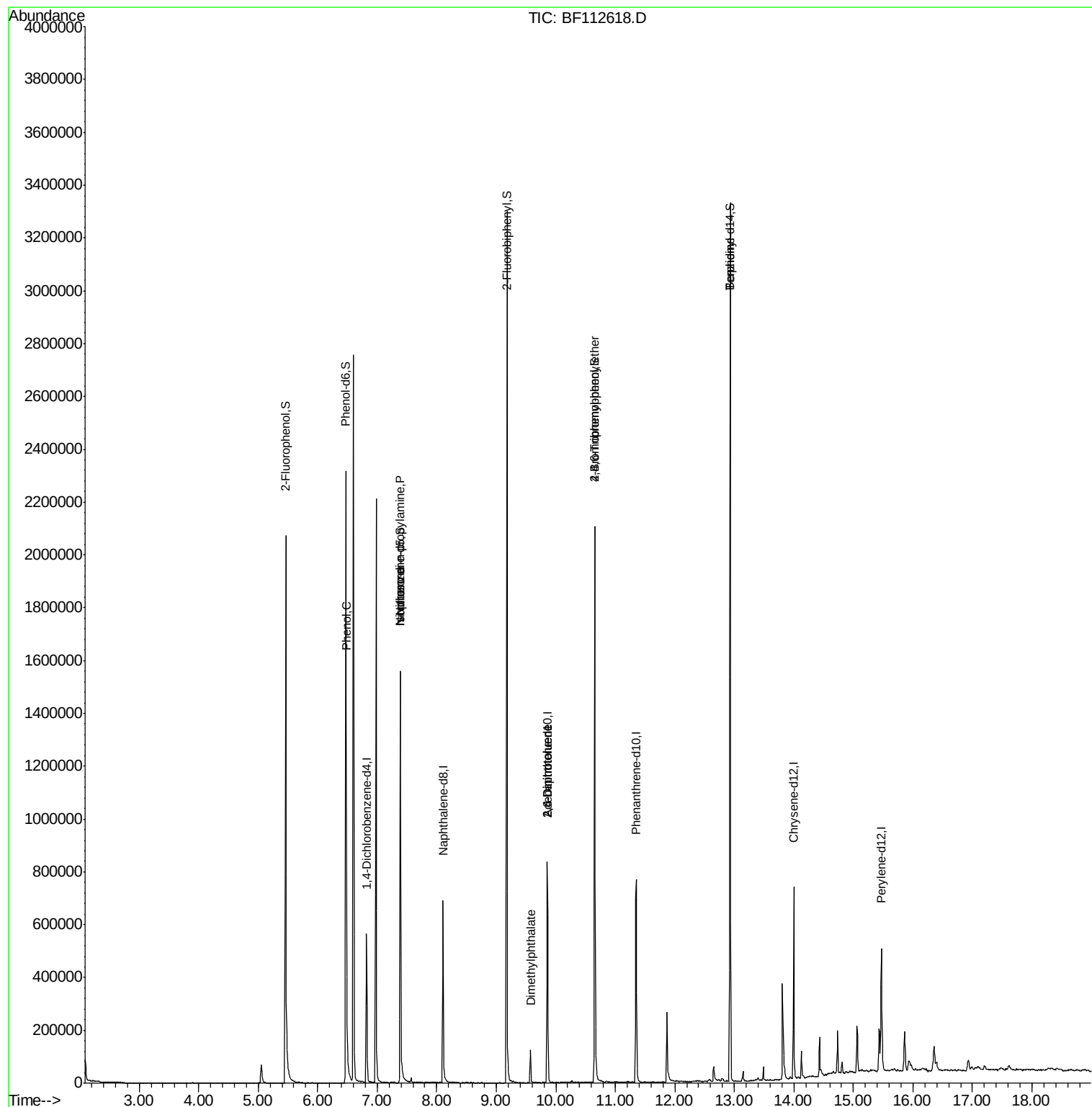
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	90088	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	349756	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	172115	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	323698	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	248546	20.00	ng	-0.01
87) Perylene-d12	15.47	264	234608	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	686563	161.88	ng	-0.02
7) Phenol-d6	6.47	99	852421	144.64	ng	-0.02
23) Nitrobenzene-d5	7.39	82	559684	92.20	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	280210	139.87	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	1121524	92.16	ng	-0.02
79) Terphenyl-d14	12.93	244	1149826	87.13	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	16619	2.570	ng	86
19) n-Nitroso-di-n-propylamine	7.39	70	76558	18.839	ng	# 75
25) Isophorone	7.39	82	559679	58.773	ng	# 63
50) Dimethylphthalate	9.57	163	58588	4.381	ng	98
51) 2,6-Dinitrotoluene	9.86	165	22335	7.458	ng	# 33
57) 2,4-Dinitrotoluene	9.86	165	22335	5.858	ng	# 31
67) 4-Bromophenyl-phenylether	10.66	248	17091	4.489	ng	# 1
77) Benzidine	12.93	184	16646	2.433	ng	# 97

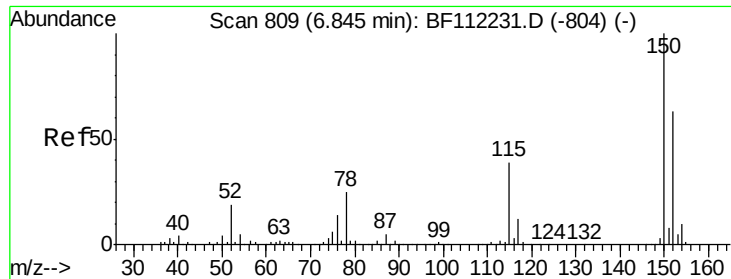
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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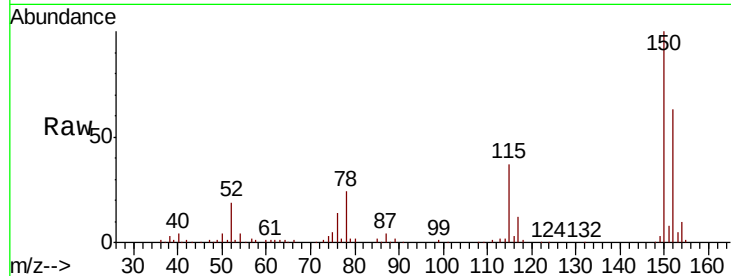


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112618.D
Acq: 19 Feb 2019 13:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	127.4	191.0
115	58.5	45.5	68.3

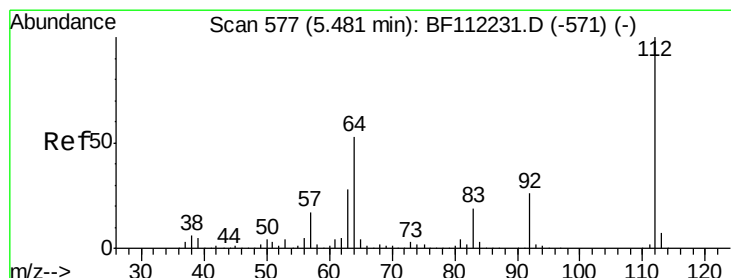
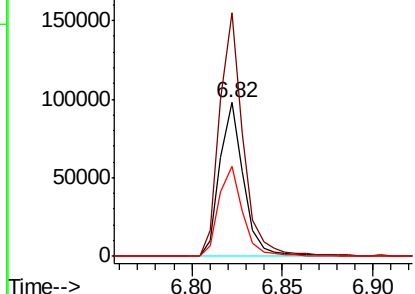
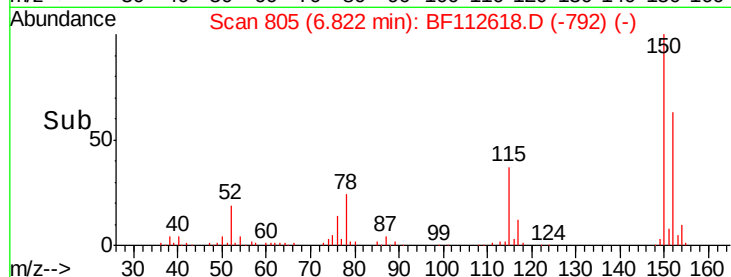


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

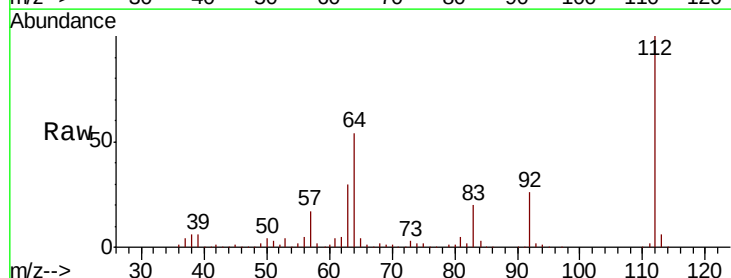
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 161.876 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112618.D
Acq: 19 Feb 2019 13:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	45.7	68.5
63	30.0	23.6	35.4

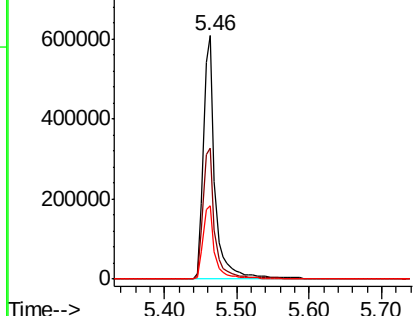
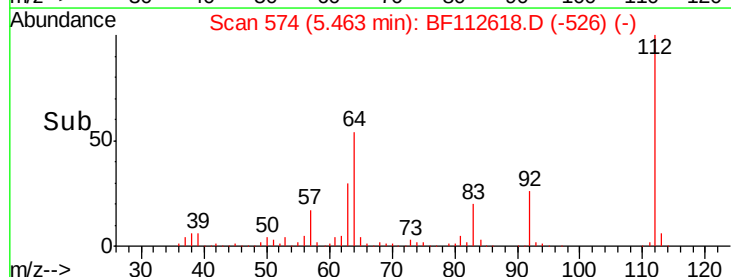


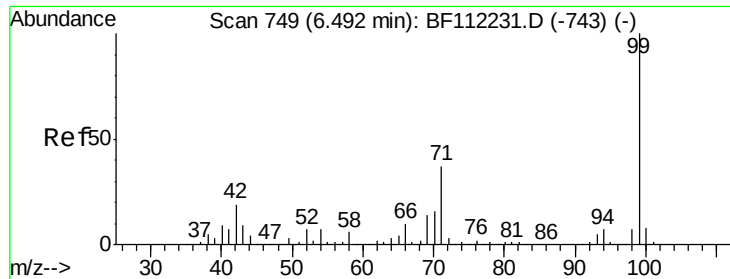
Abundance

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: 144.637 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112618.D

Acq: 19 Feb 2019 13:54

Instrument :

BNA_F

ClientSampleId :

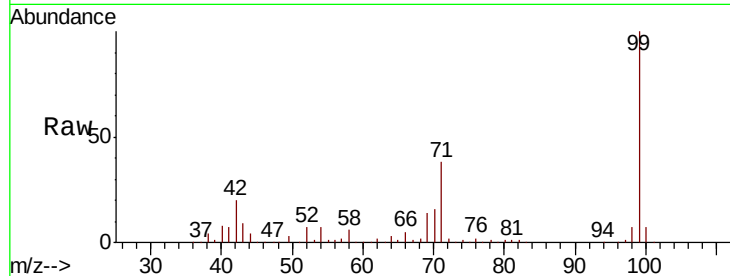
Tot Ion: 99 Resp: 852421

Ion Ratio Lower Upper

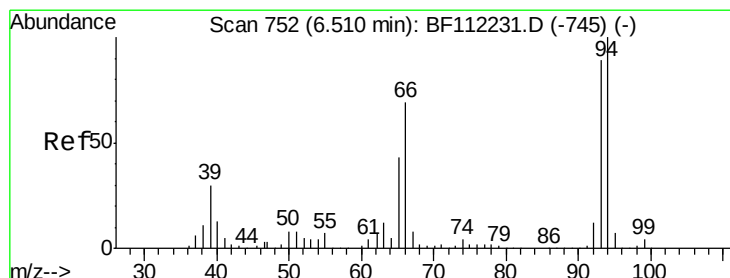
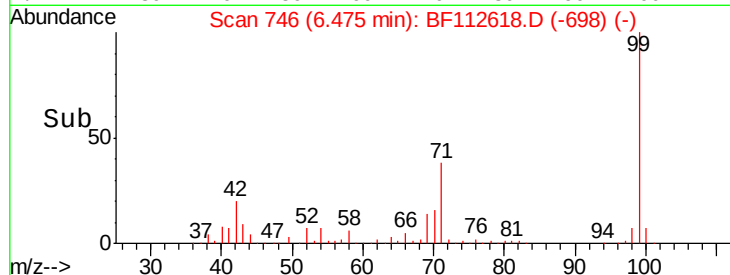
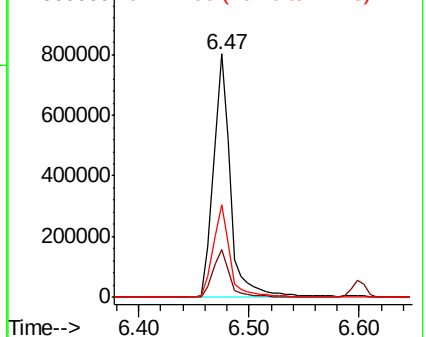
99 100

42 19.6 15.1 22.7

71 38.2 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: 2.570 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF112618.D

Acq: 19 Feb 2019 13:54

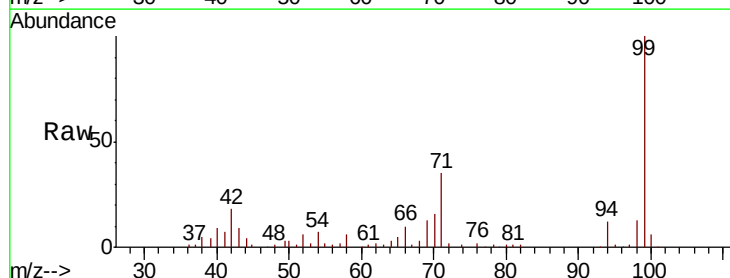
Tgt Ion: 94 Resp: 16619

Ion Ratio Lower Upper

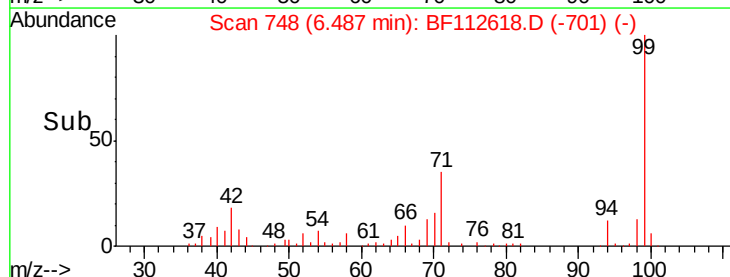
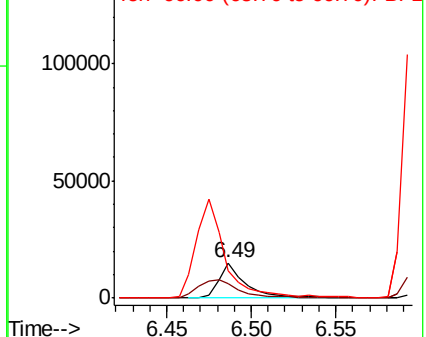
94 100

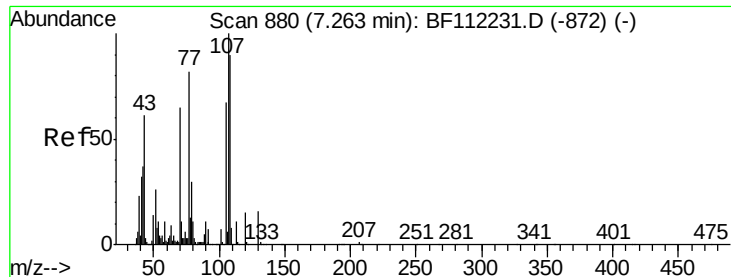
65 41.3 20.3 60.3

66 79.0 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

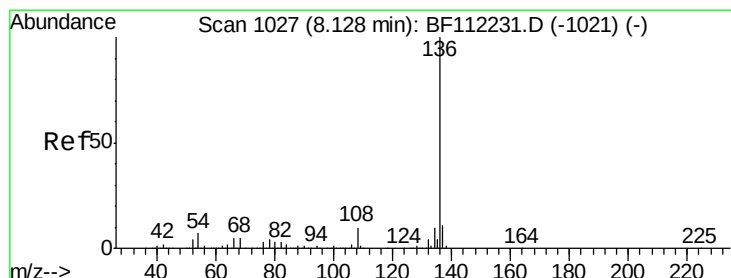
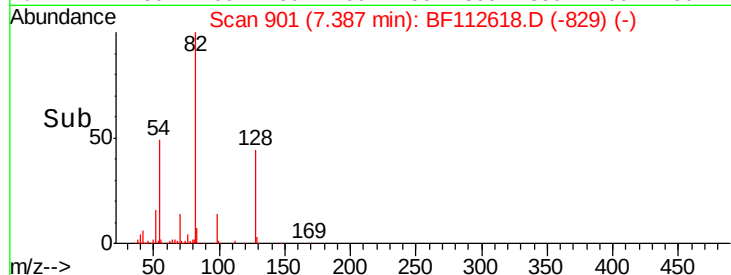
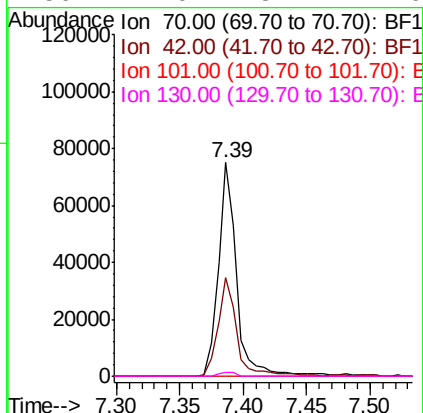
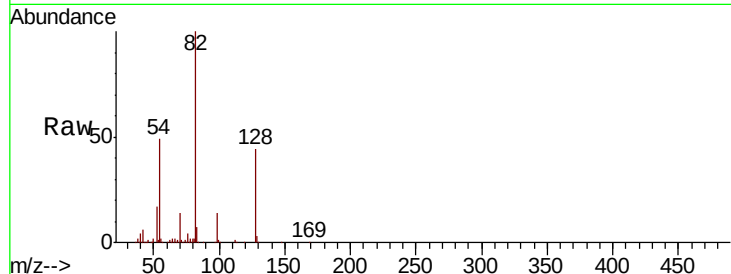




#19
n-Nitroso-di-n-propylamine
Concen: 18.839 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.12 min
Lab File: BF112618.D
Acq: 19 Feb 2019 13:54

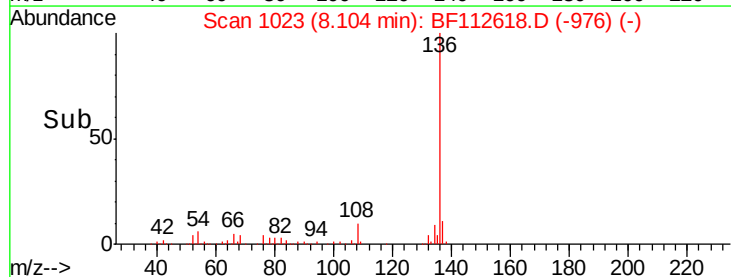
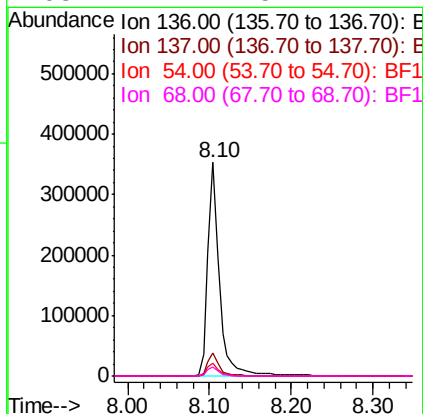
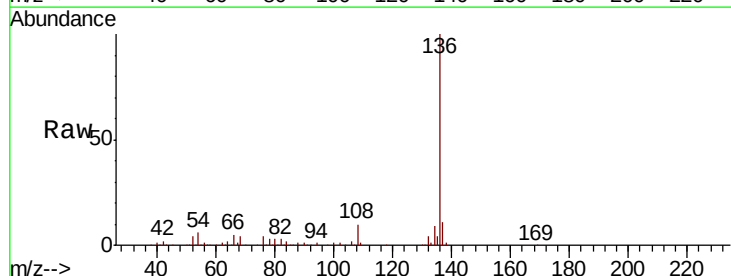
Instrument :
BNA_F
ClientSampleId :

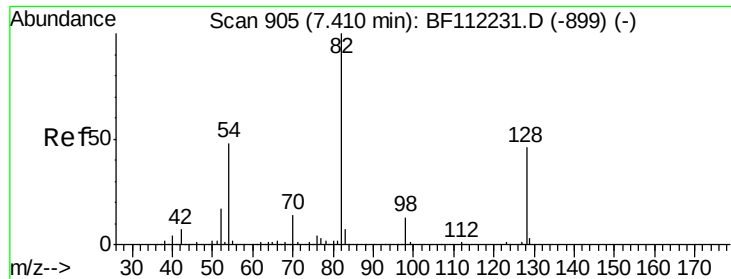
Tot Ion: 70 Resp: 76558
Ion Ratio Lower Upper
70 100
42 46.1 47.6 71.4#
101 0.0 7.9 11.9#
130 2.0 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF112618.D
Acq: 19 Feb 2019 13:54

Tgt Ion: 136 Resp: 349756
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 5.9 5.9 8.9
68 4.4 5.1 7.7#

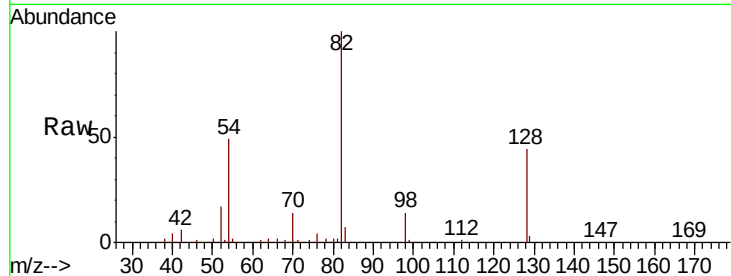




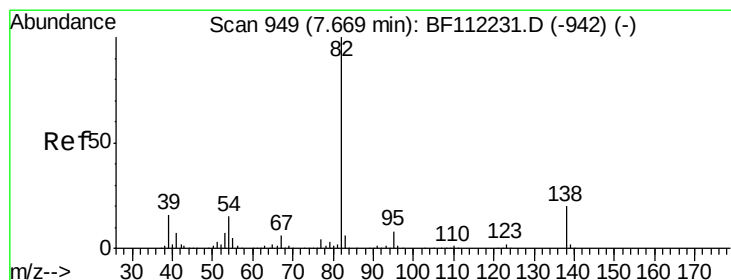
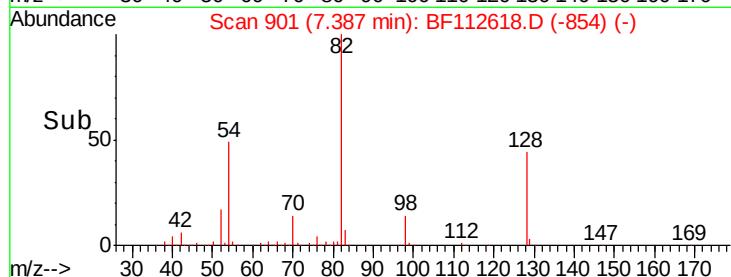
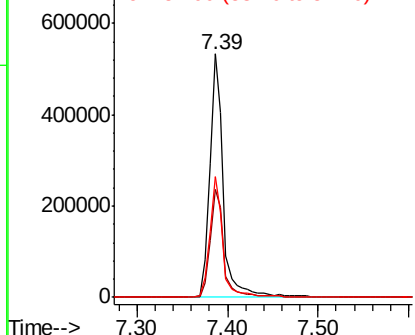
#23
Nitrobenzene-d5
Concen: 92.204 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF112618.D
Acq: 19 Feb 2019 13:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	559684
Ion Ratio	Lower	Upper	
82	100		
128	44.4	37.8	56.8
54	49.4	39.7	59.5

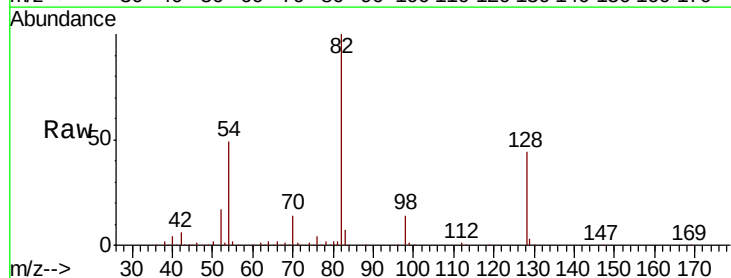


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

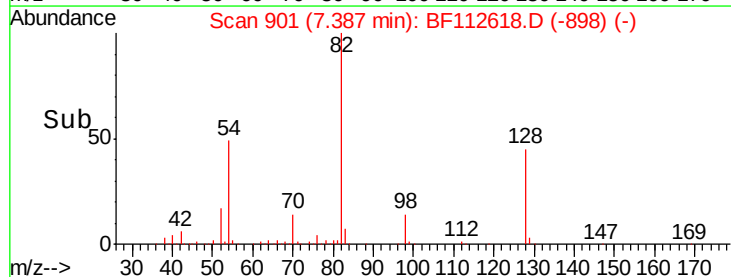
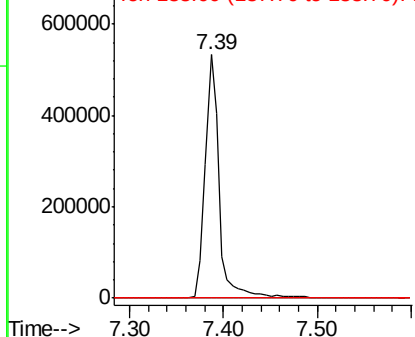


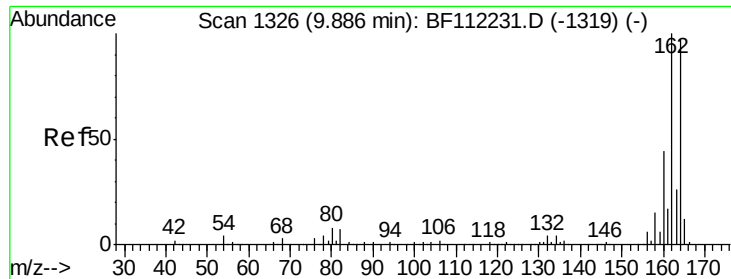
#25
Isophorone
Concen: 58.773 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.28 min
Lab File: BF112618.D
Acq: 19 Feb 2019 13:54

Tgt Ion	82	Resp	559679
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: BF112618.D

Acq: 19 Feb 2019 13:54

Instrument :

BNA_F

ClientSampleId :

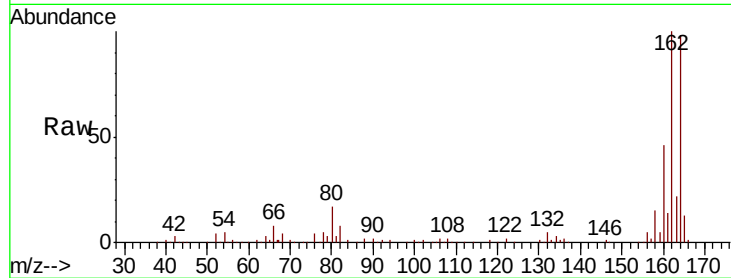
Tot Ion:164 Resp: 172115

Ion Ratio Lower Upper

164 100

162 101.8 82.2 123.4

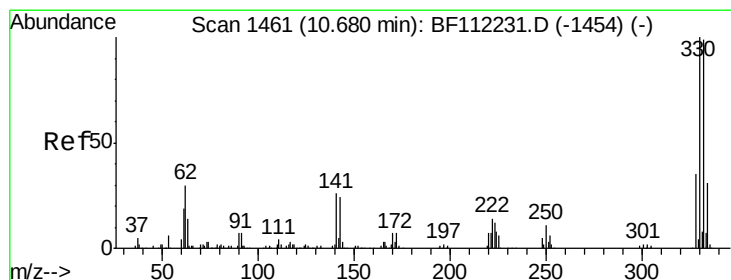
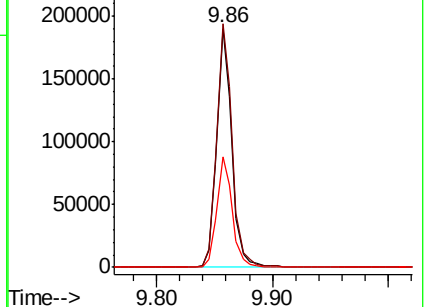
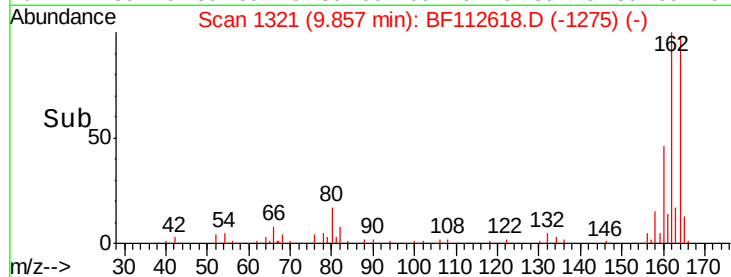
160 46.4 36.2 54.4



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: 139.869 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112618.D

Acq: 19 Feb 2019 13:54

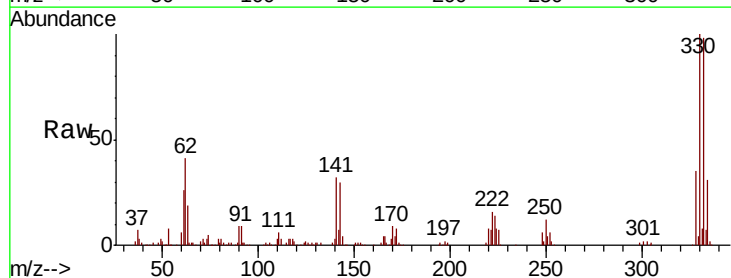
Tgt Ion:330 Resp: 280210

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

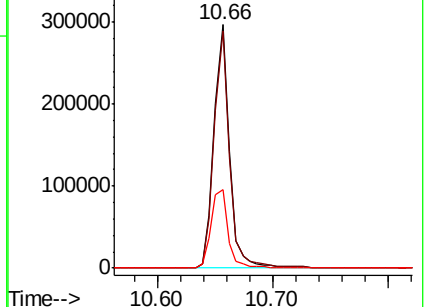
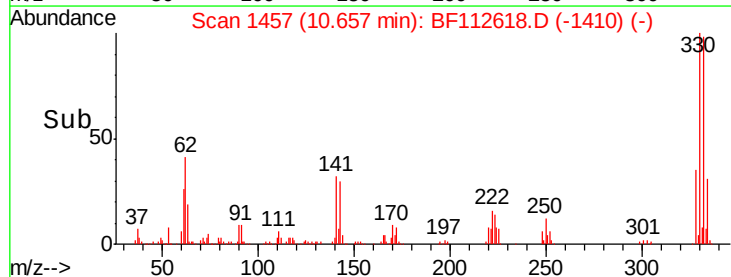
141 35.3 24.3 36.5

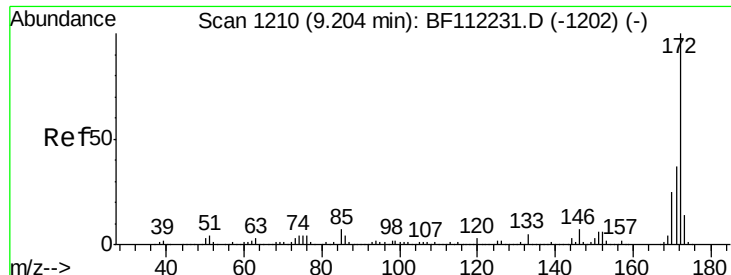


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

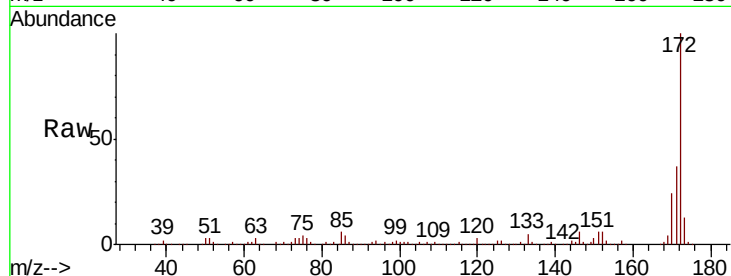




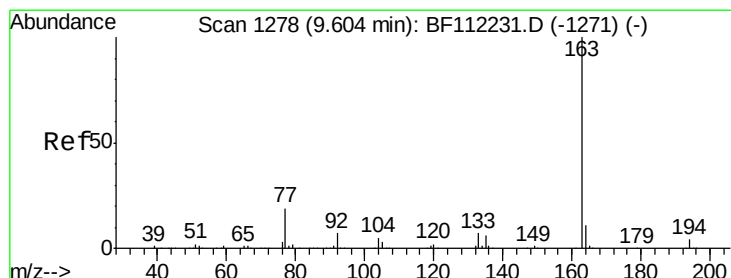
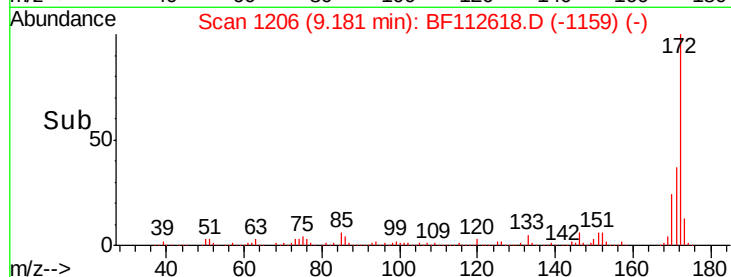
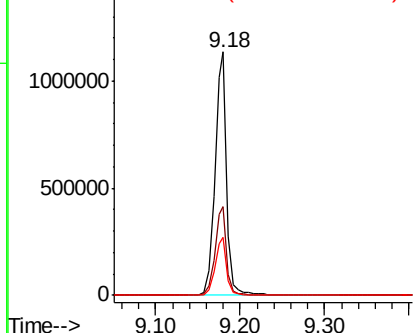
#45
2-Fluorobiphenyl
Concen: 92.160 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF112618.D
Acq: 19 Feb 2019 13:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1121524
Ion Ratio Lower Upper
172 100
171 36.5 30.5 45.7
170 23.7 20.2 30.4

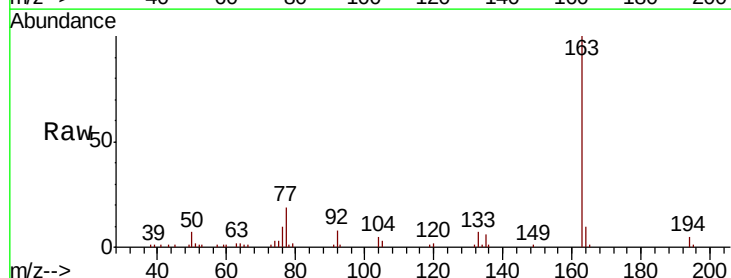


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

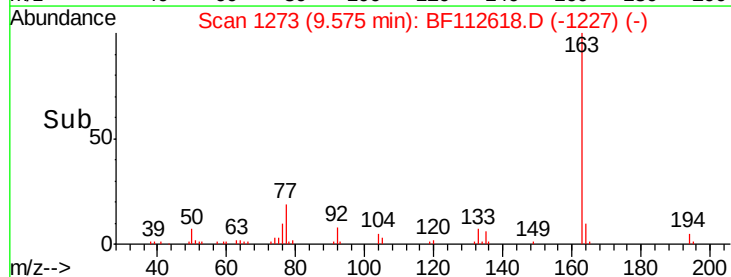
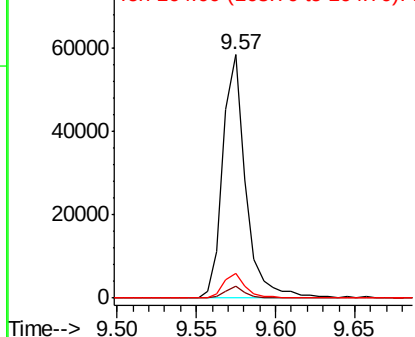


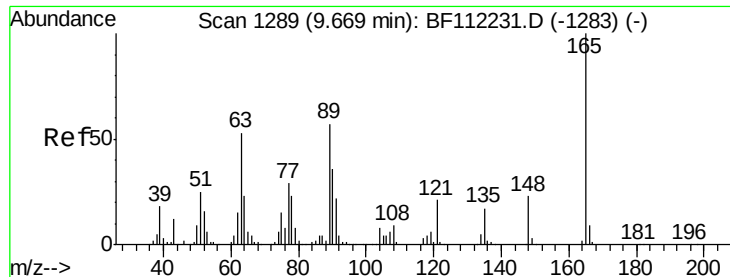
#50
Dimethylphthalate
Concen: 4.381 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF112618.D
Acq: 19 Feb 2019 13:54

Tgt Ion:163 Resp: 58588
Ion Ratio Lower Upper
163 100
194 4.7 3.3 4.9
164 9.9 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: 7.458 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.19 min

Lab File: BF112618.D

Acq: 19 Feb 2019 13:54

Instrument :

BNA_F

ClientSampleId :

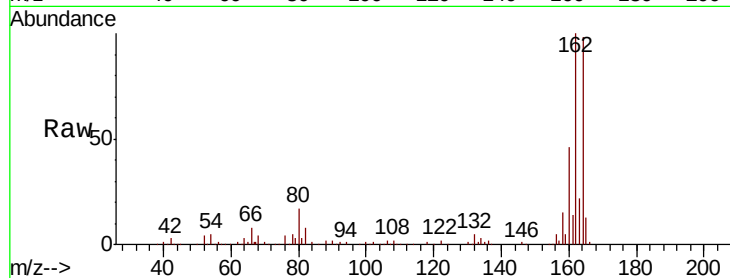
Tot Ion:165 Resp: 22335

Ion Ratio Lower Upper

165 100

63 1.5 33.8 50.8#

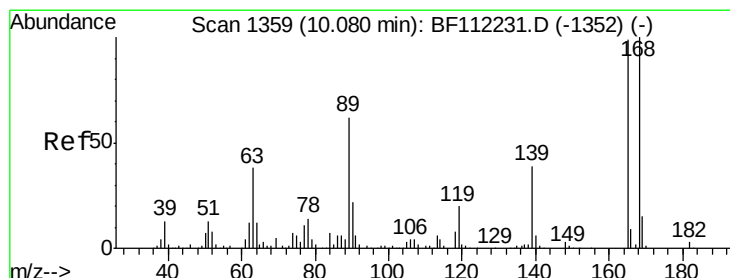
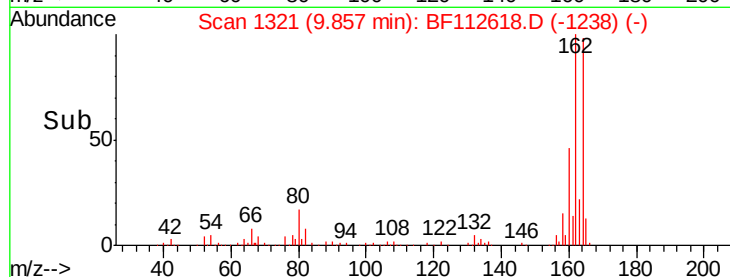
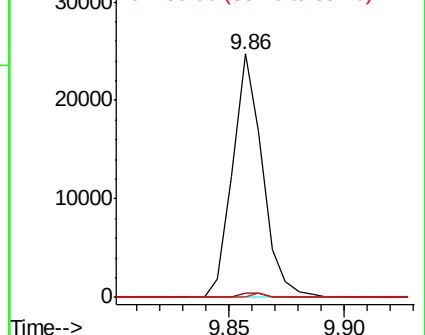
89 0.0 36.9 55.3#



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: 5.858 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.22 min

Lab File: BF112618.D

Acq: 19 Feb 2019 13:54

Tgt Ion:165 Resp: 22335

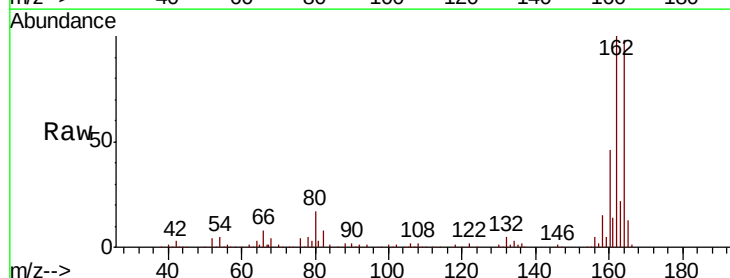
Ion Ratio Lower Upper

165 100

63 1.5 27.9 41.9#

89 0.0 47.9 71.9#

182 0.0 2.2 3.4#

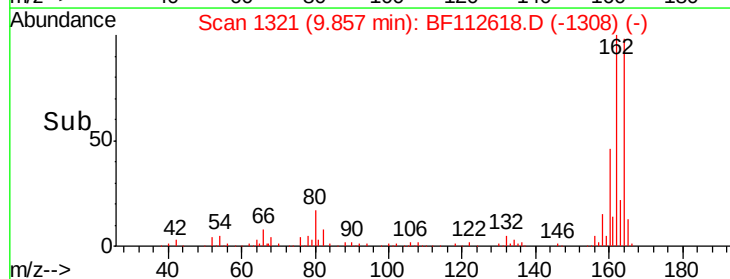
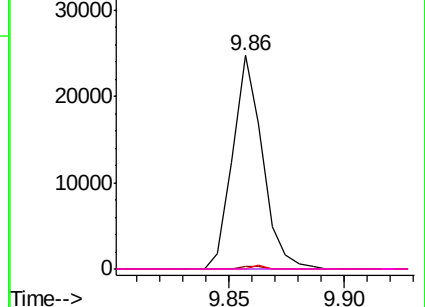


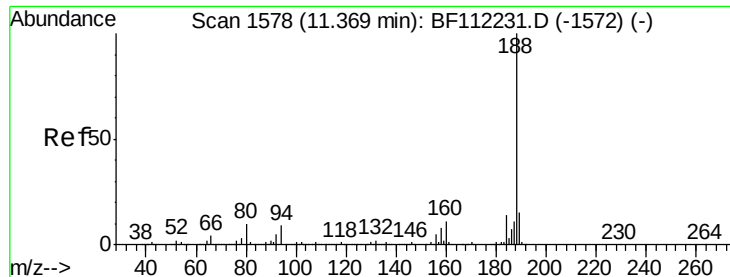
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF112618.D

Acq: 19 Feb 2019 13:54

Instrument :

BNA_F

ClientSampleId :

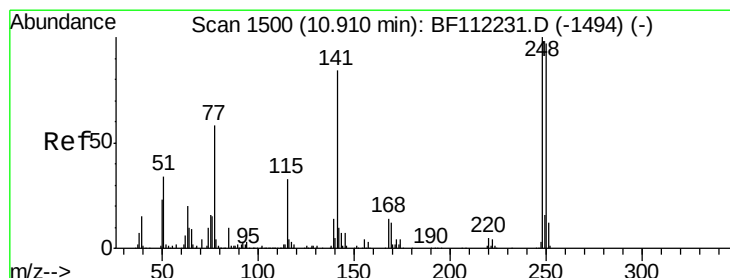
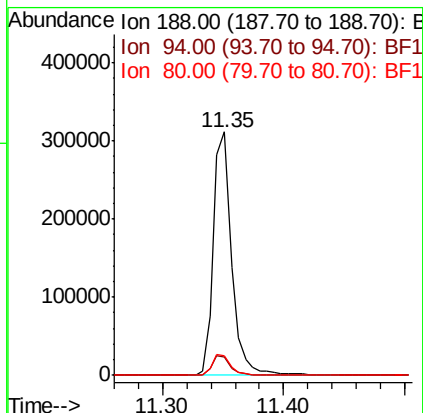
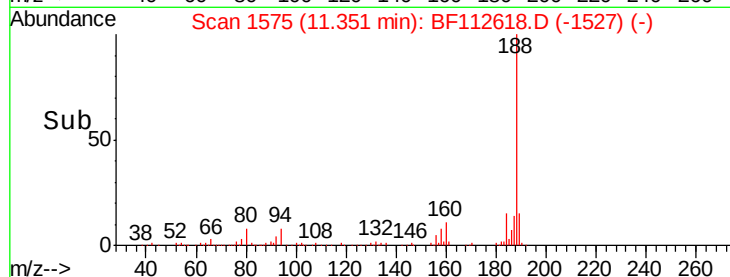
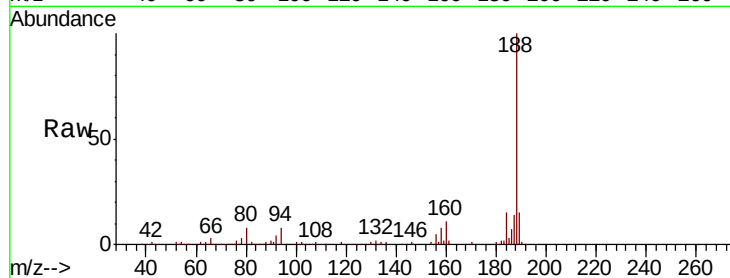
Tot Ion:188 Resp: 323698

Ion Ratio Lower Upper

188 100

94 7.6 8.2 12.2#

80 7.9 8.9 13.3#



#67

4-Bromophenyl-phenylether

Concen: 4.489 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.25 min

Lab File: BF112618.D

Acq: 19 Feb 2019 13:54

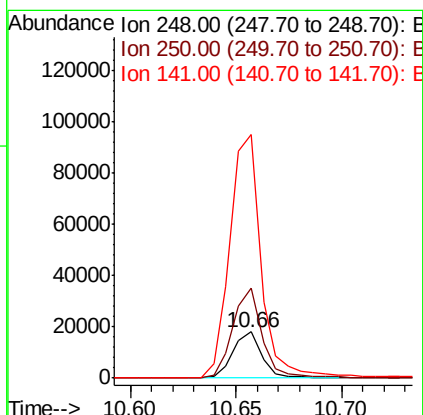
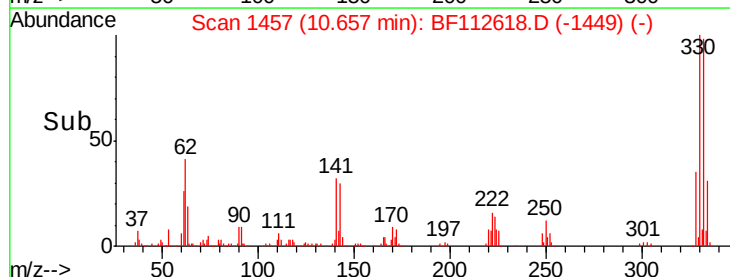
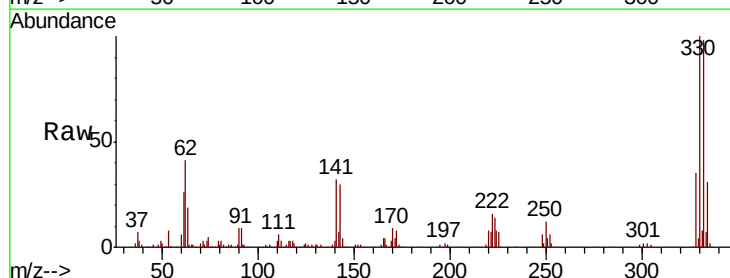
Tgt Ion:248 Resp: 17091

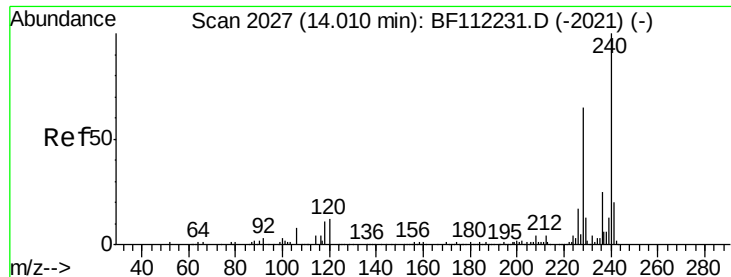
Ion Ratio Lower Upper

248 100

250 195.8 79.7 119.5#

141 527.9 60.3 90.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112618.D

Acq: 19 Feb 2019 13:54

Instrument :

BNA_F

ClientSampleId :

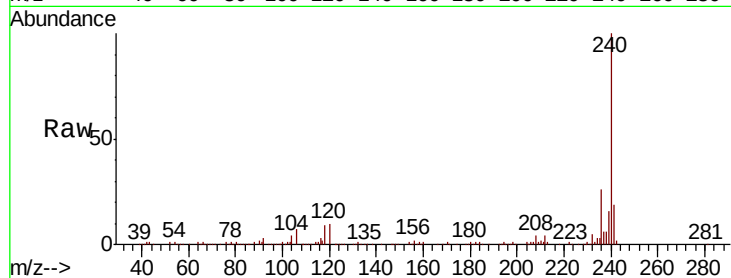
Tot Ion:240 Resp: 248546

Ion Ratio Lower Upper

240 100

120 10.1 9.0 13.6

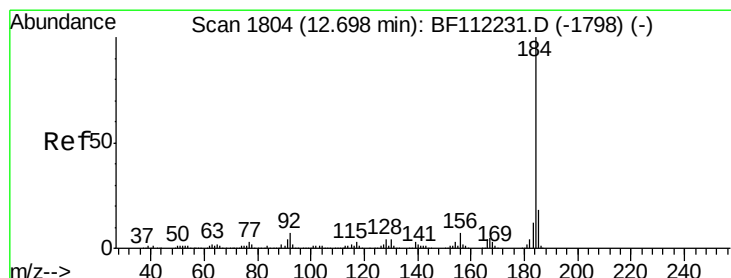
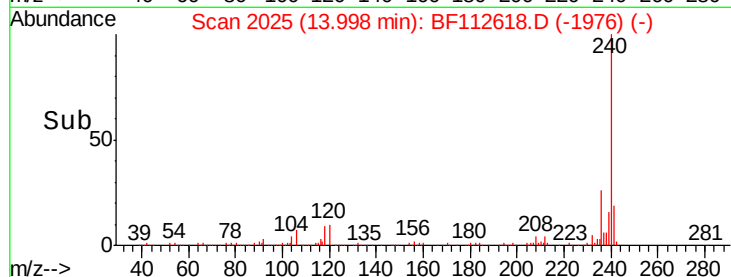
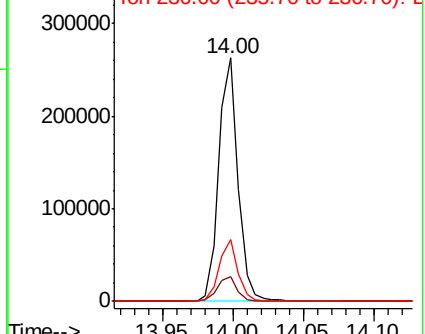
236 25.5 20.7 31.1



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



#77

Benzidine

Concen: 2.433 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.24 min

Lab File: BF112618.D

Acq: 19 Feb 2019 13:54

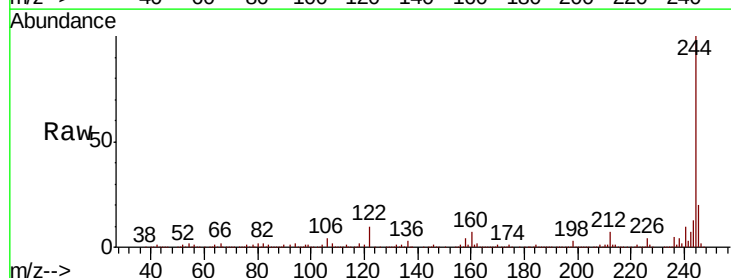
Tgt Ion:184 Resp: 16646

Ion Ratio Lower Upper

184 100

185 17.4 13.9 20.9

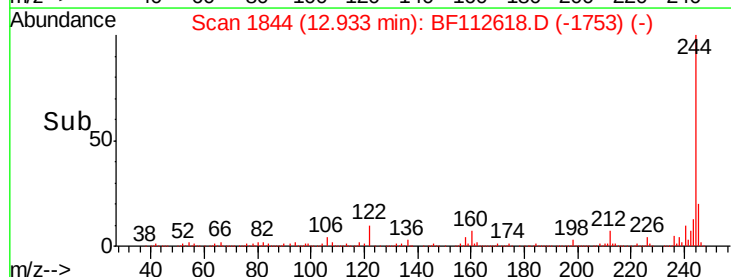
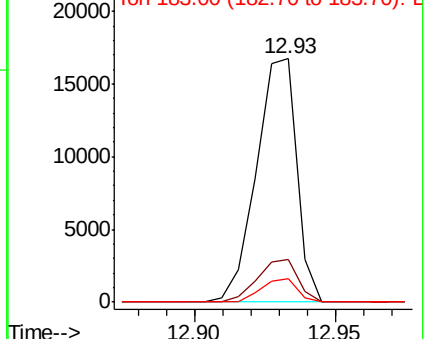
183 9.6 10.0 15.0#

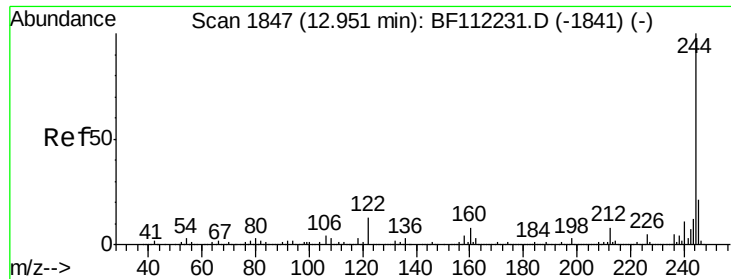


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

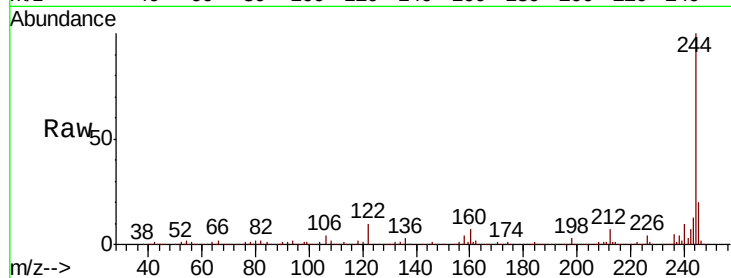




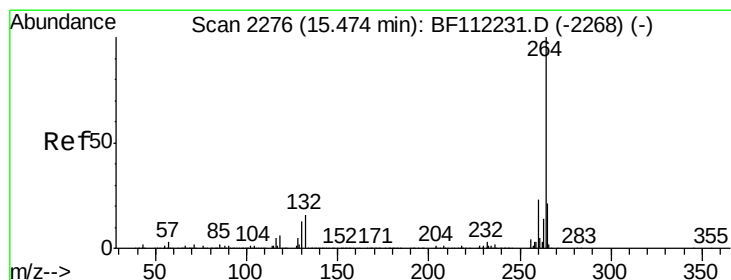
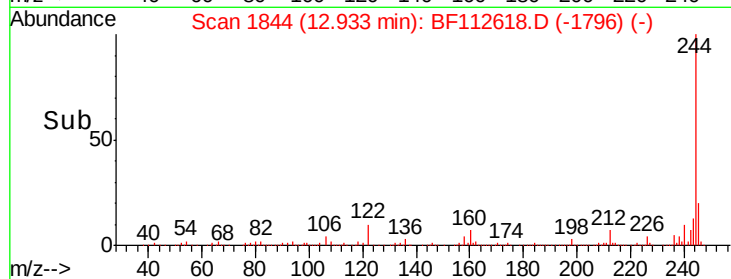
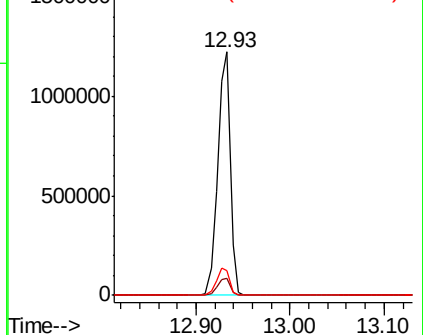
#79
 Terphenyl-d14
 Concen: 87.132 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF112618.D
 Acq: 19 Feb 2019 13:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1149826
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.0 9.8 14.6

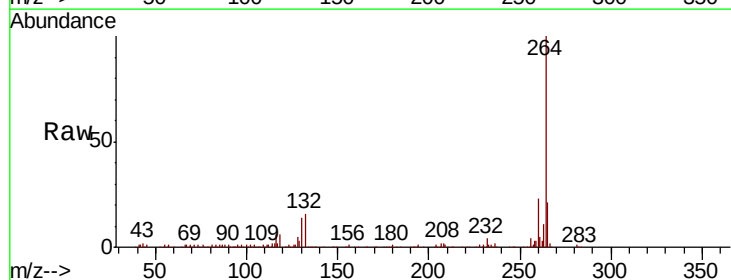


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF112618.D
 Acq: 19 Feb 2019 13:54

Tgt Ion:264 Resp: 234608
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.2 27.2
 265 21.1 17.0 25.4



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

