

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
 Data File : BF112436.D
 Acq On : 7 Feb 2019 14:23
 Operator : JU/SJ
 Sample : K1389-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-4

Quant Time: Feb 09 03:12:14 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

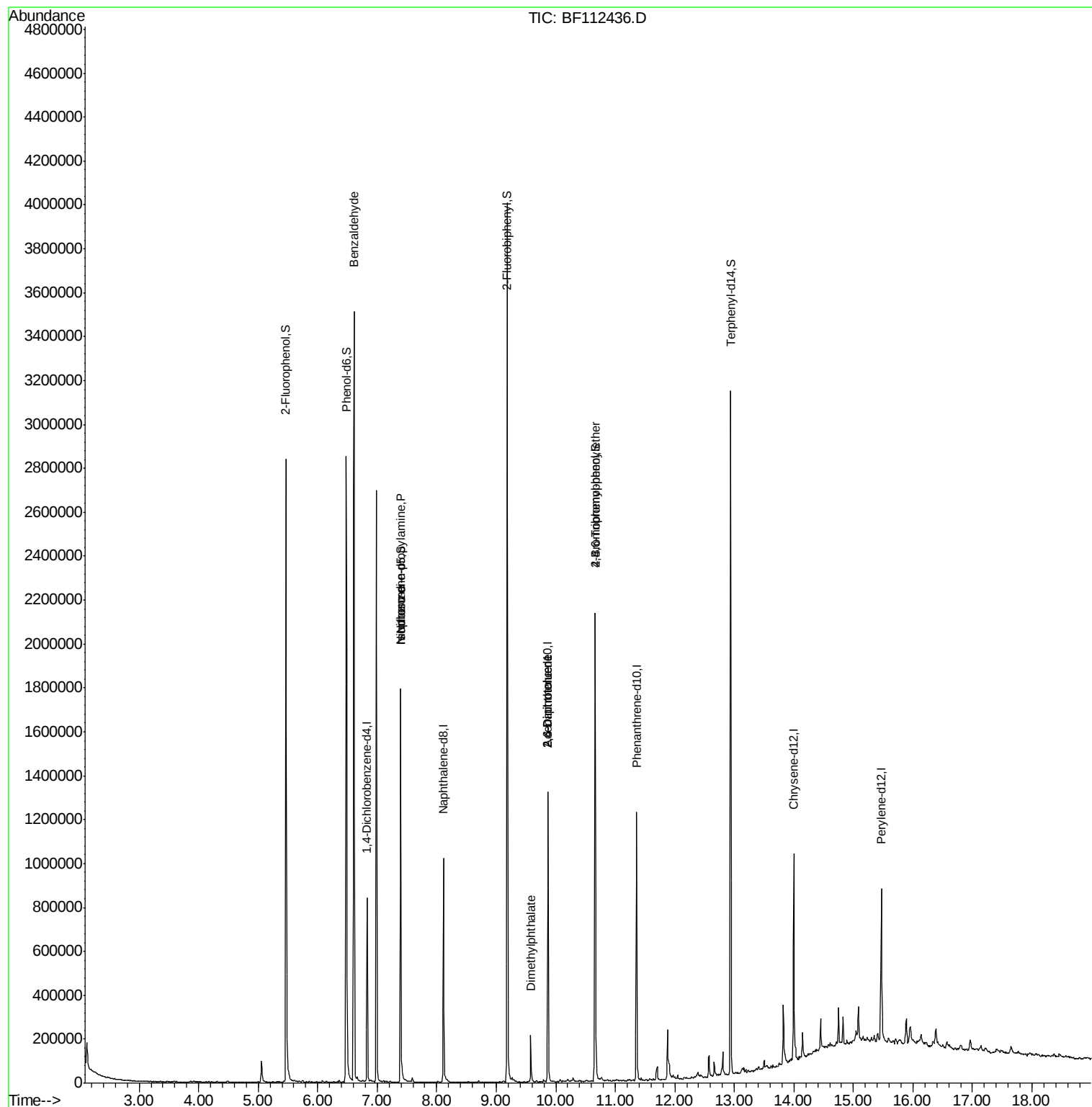
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	139218	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	539296	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	260964	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	446660	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	318523	20.00	ng	-0.01
87) Perylene-d12	15.47	264	288564	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	816131	124.52	ng	-0.01
7) Phenol-d6	6.48	99	1034500	113.59	ng	-0.01
23) Nitrobenzene-d5	7.39	82	642542	68.65	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	280509	92.35	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1237670	67.08	ng	-0.02
79) Terphenyl-d14	12.94	244	1026856	60.72	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.61	77	20227	4.249	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.39	70	85710	13.648	ng	# 77
25) Isophorone	7.39	82	642537	43.760	ng	# 63
50) Dimethylphthalate	9.58	163	95698	4.720	ng	99
51) 2,6-Dinitrotoluene	9.87	165	32886	7.242	ng	# 35
57) 2,4-Dinitrotoluene	9.87	165	32887	5.689	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	17123	3.259	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: 6.83 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

Instrument :

BNA_F

ClientSampleId :

M-4

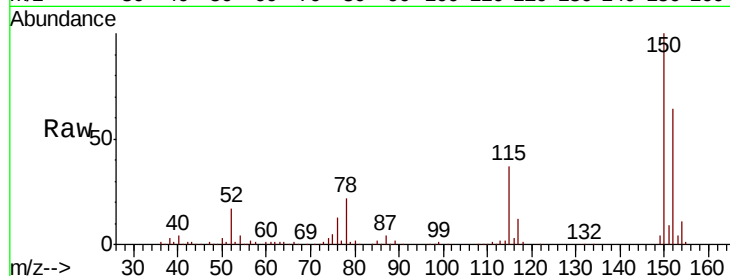
Tot Ion:152 Resp: 139218

Ion Ratio Lower Upper

152 100

150 155.1 127.4 191.0

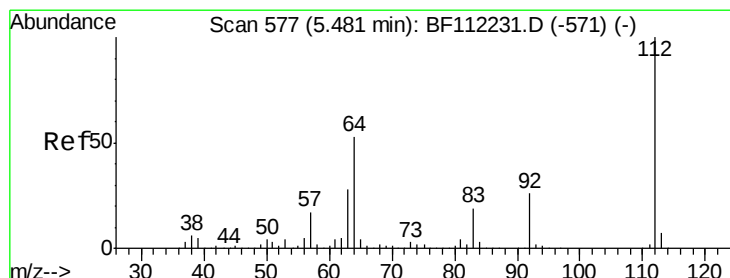
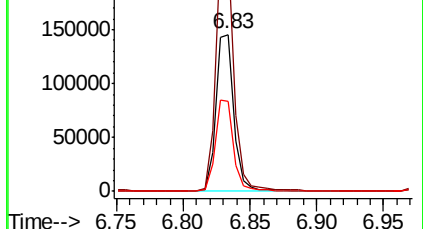
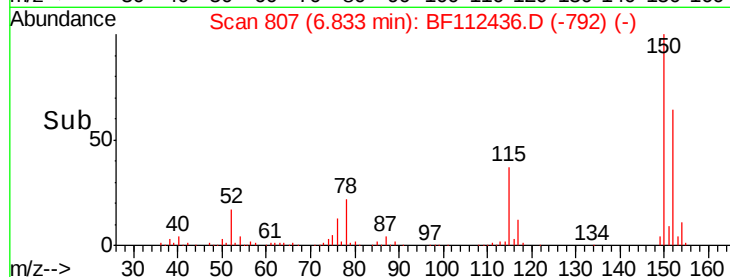
115 57.1 45.5 68.3



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: 124.518 ng

RT: 5.47 min Scan# 575

Delta R.T. -0.01 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

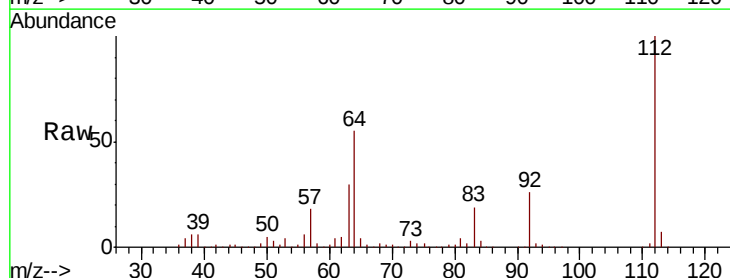
Tgt Ion:112 Resp: 816131

Ion Ratio Lower Upper

112 100

64 55.1 45.7 68.5

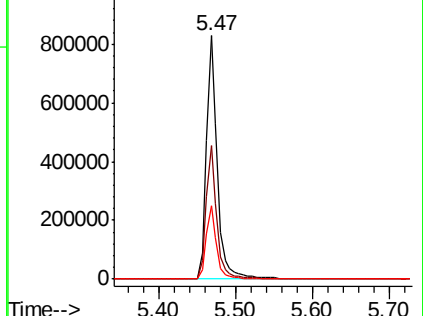
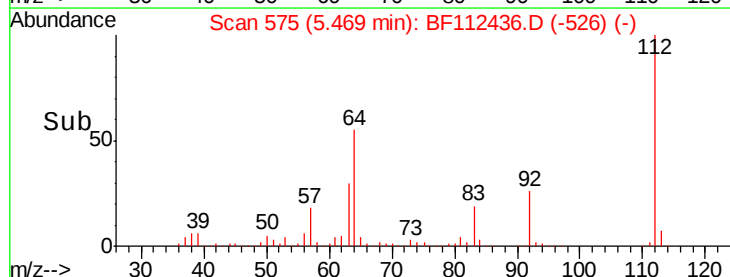
63 29.9 23.6 35.4



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: 113.587 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

Instrument :

BNA_F

ClientSampled :

M-4

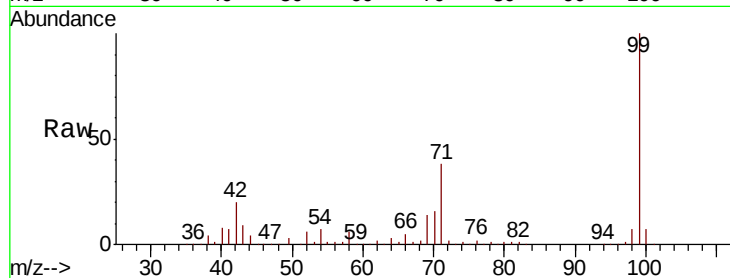
Tot Ion: 99 Resp: 1034500

Ion Ratio Lower Upper

99 100

42 19.5 15.1 22.7

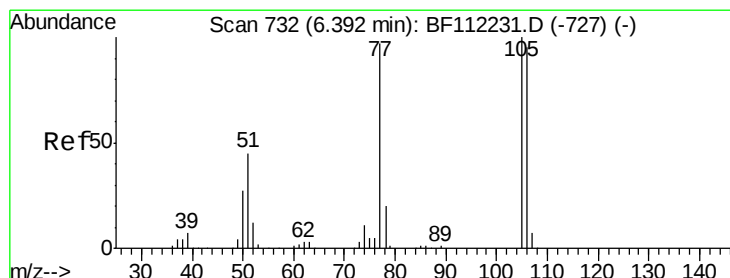
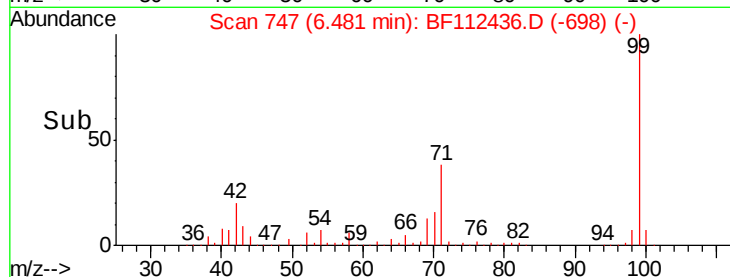
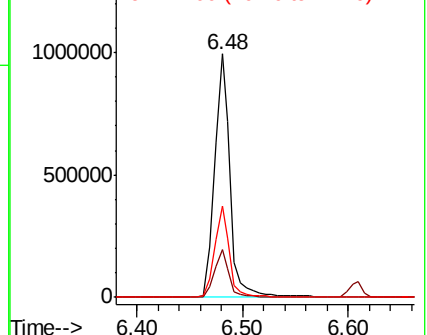
71 37.5 26.9 40.3



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



#9

Benzaldehyde

Concen: 4.249 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.22 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

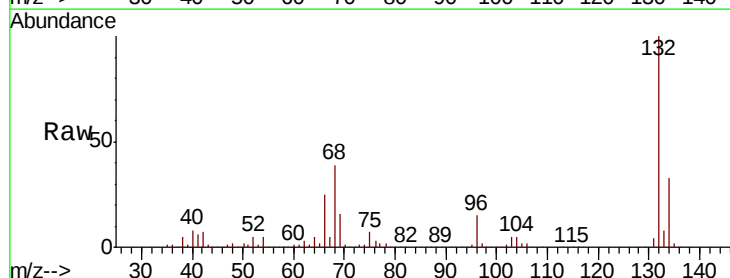
Tgt Ion: 77 Resp: 20227

Ion Ratio Lower Upper

77 100

105 90.7 80.8 120.8

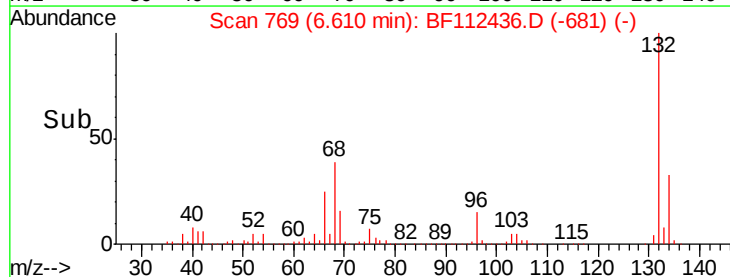
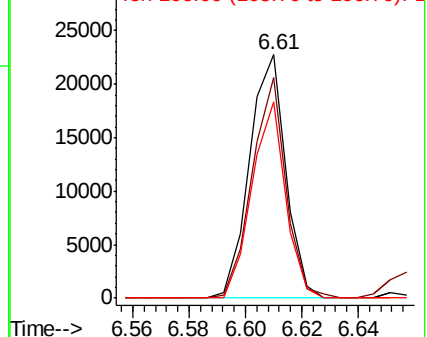
106 80.6 75.7 115.7

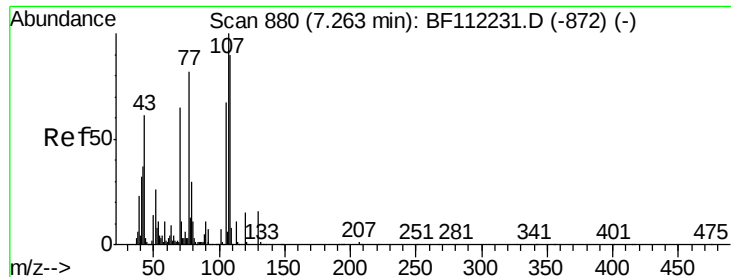


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

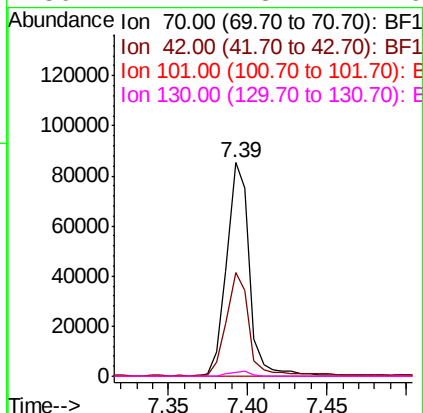
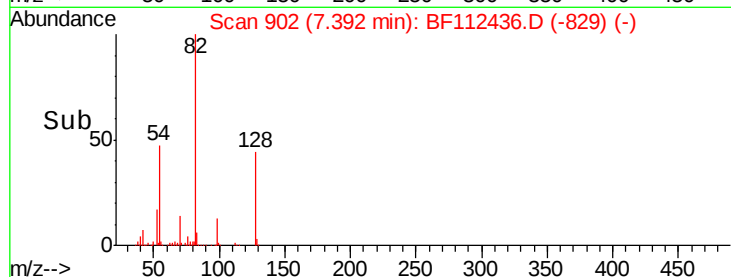
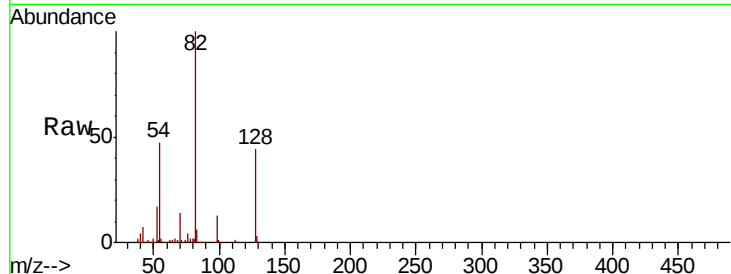




#19
n-Nitroso-di-n-propylamine
Concen: 13.648 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.13 min
Lab File: BF112436.D
Acq: 7 Feb 2019 14:23

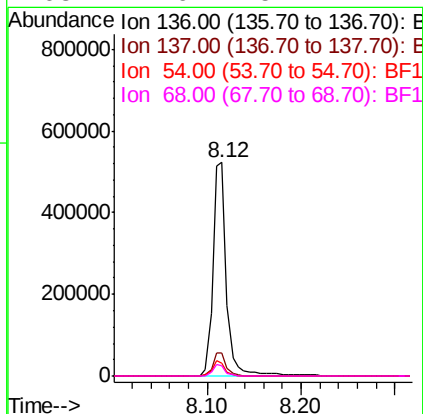
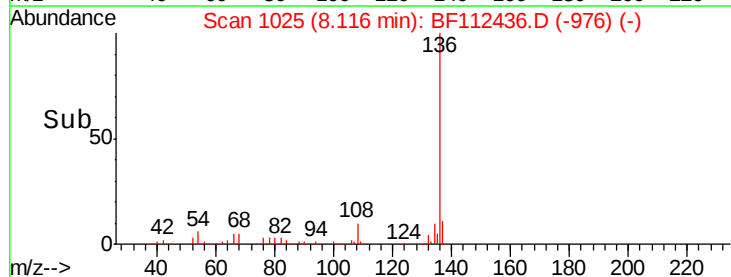
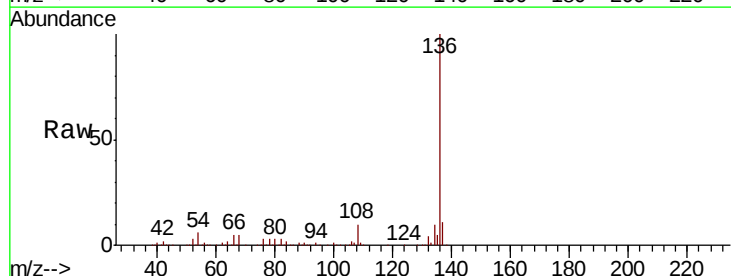
Instrument :
BNA_F
ClientSampleId :
M-4

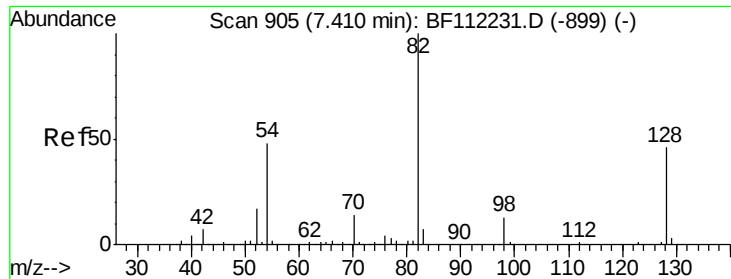
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.4	47.6	71.4
101	0.0	7.9	11.9#
130	2.1	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112436.D
Acq: 7 Feb 2019 14:23

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	5.9	5.9	8.9#
68	4.6	5.1	7.7#

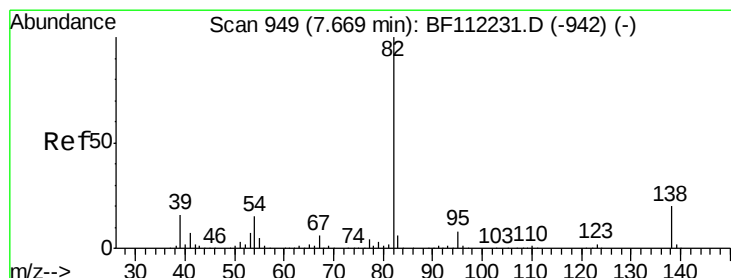
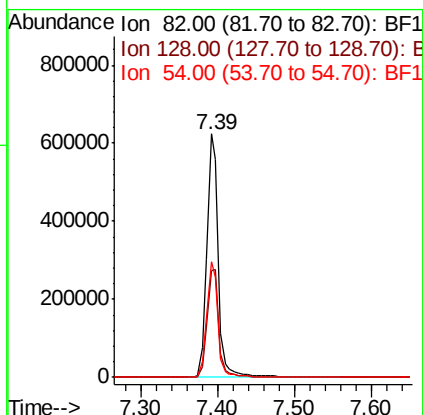
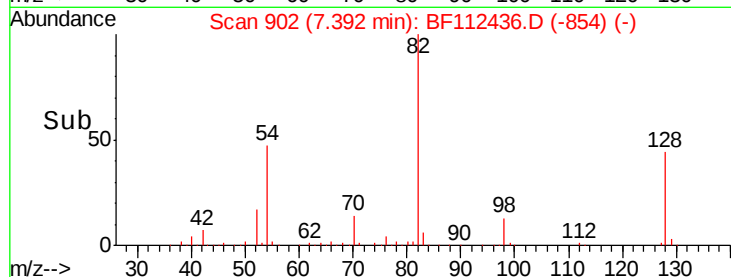
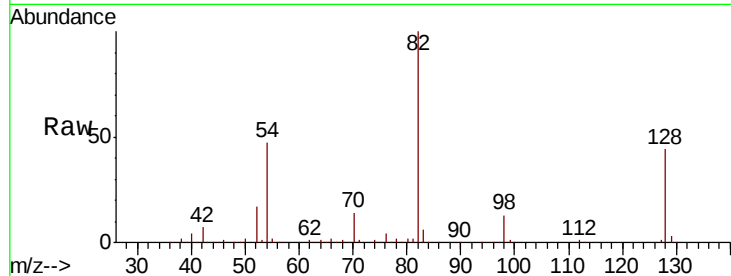




#23
Nitrobenzene-d5
Concen: 68.651 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112436.D
Acq: 7 Feb 2019 14:23

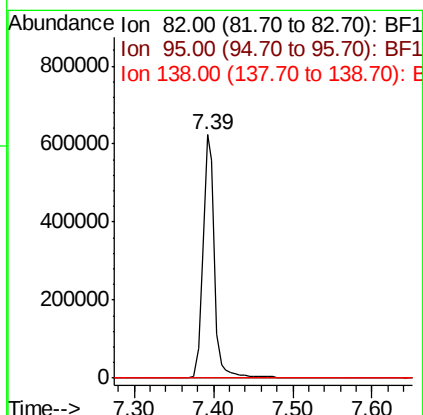
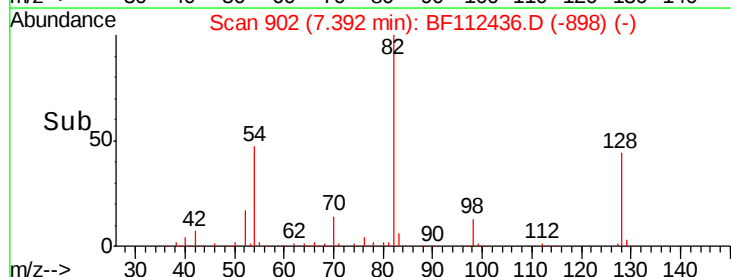
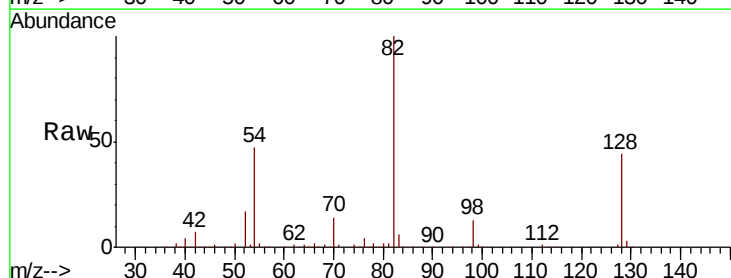
Instrument :
BNA_F
ClientSampled :
M-4

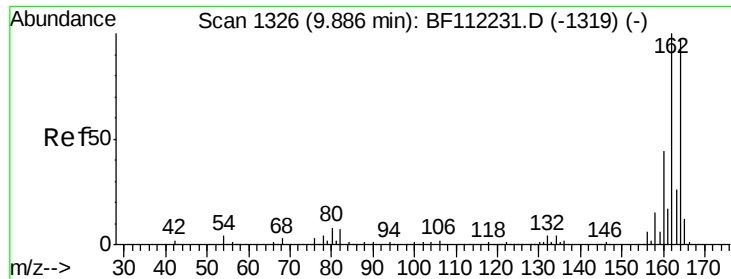
Tot Ion	82	Resp	642542
Ion Ratio	Lower	Upper	
82	100		
128	43.8	37.8	56.8
54	47.3	39.7	59.5



#25
Isophorone
Concen: 43.760 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.28 min
Lab File: BF112436.D
Acq: 7 Feb 2019 14:23

Tgt Ion	82	Resp	642537
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	15.4	23.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

Instrument :

BNA_F

ClientSampleId :

M-4

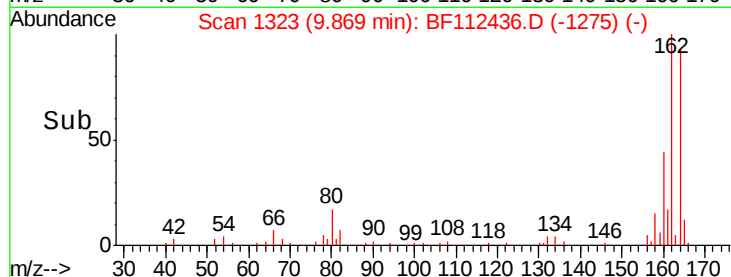
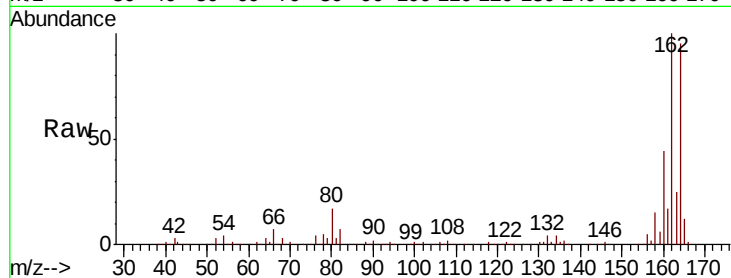
Tot Ion:164 Resp: 260964

Ion Ratio Lower Upper

164 100

162 105.3 82.2 123.4

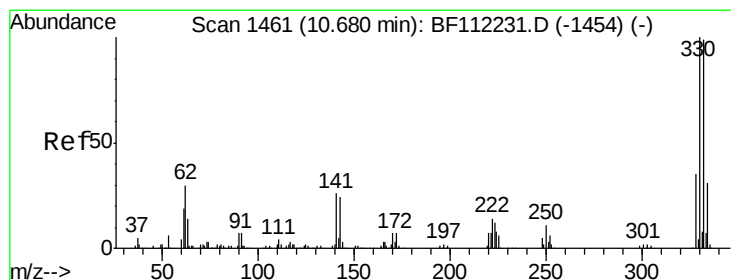
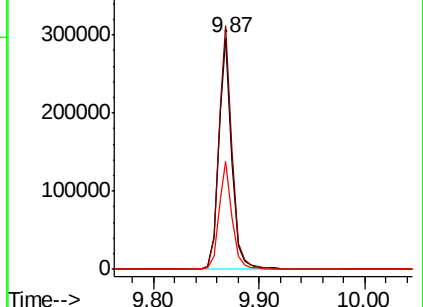
160 46.5 36.2 54.4



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: 92.347 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

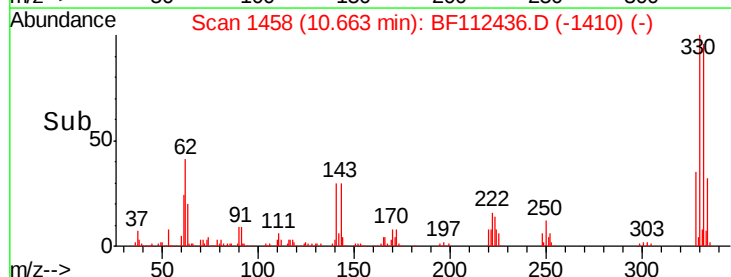
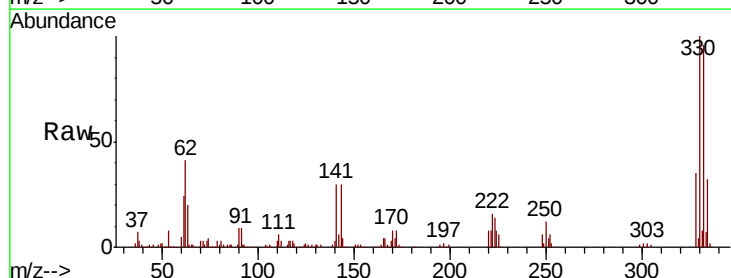
Tgt Ion:330 Resp: 280509

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

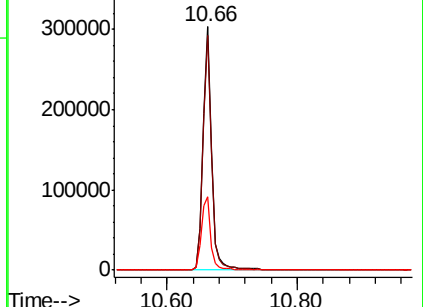
141 32.5 24.3 36.5



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

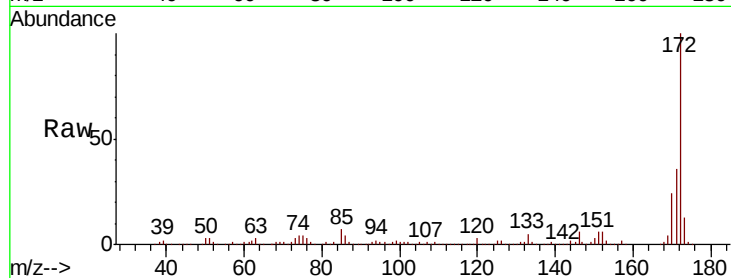




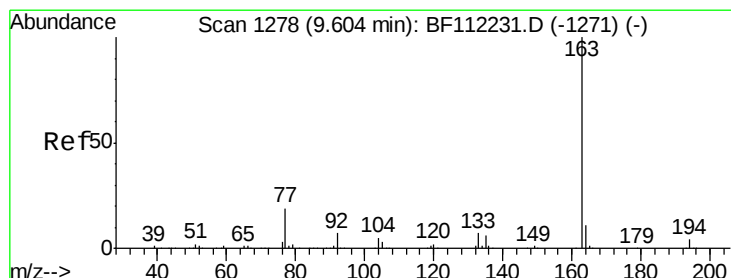
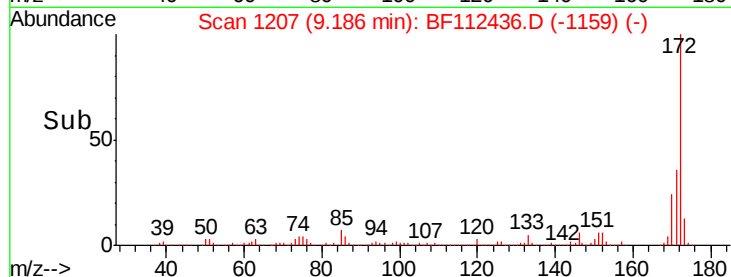
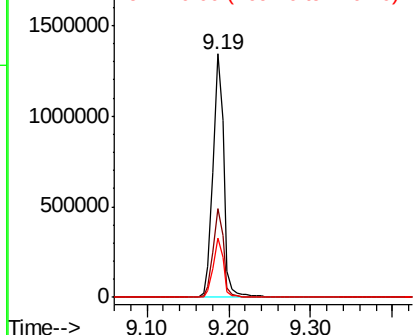
#45
2-Fluorobiphenyl
Concen: 67.078 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112436.D
Acq: 7 Feb 2019 14:23

Instrument :
BNA_F
ClientSampleId :
M-4

Tot Ion:172 Resp: 1237670
Ion Ratio Lower Upper
172 100
171 36.5 30.5 45.7
170 24.1 20.2 30.4

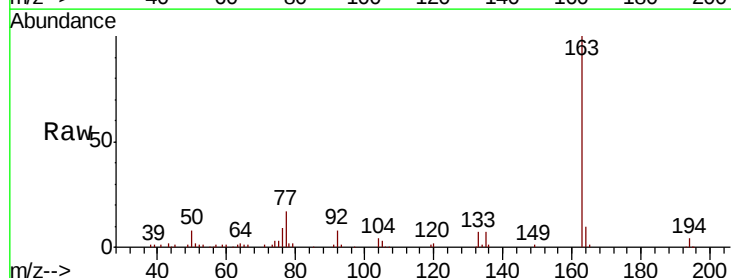


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

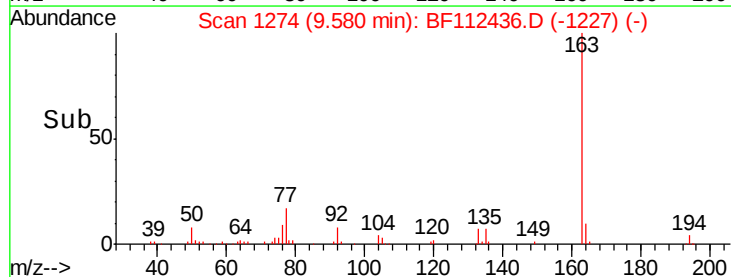
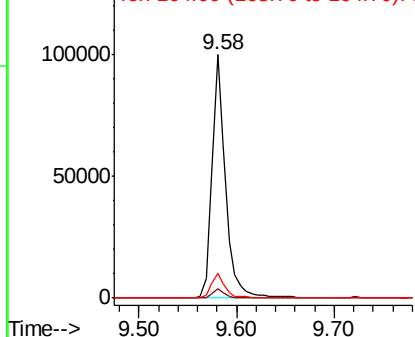


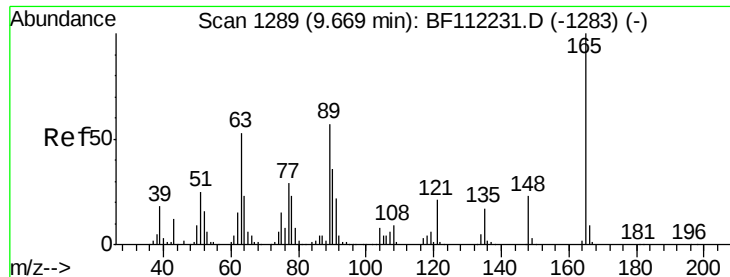
#50
Dimethylphthalate
Concen: 4.720 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112436.D
Acq: 7 Feb 2019 14:23

Tgt Ion:163 Resp: 95698
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.3 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: 7.242 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

Instrument :

BNA_F

ClientSampleId :

M-4

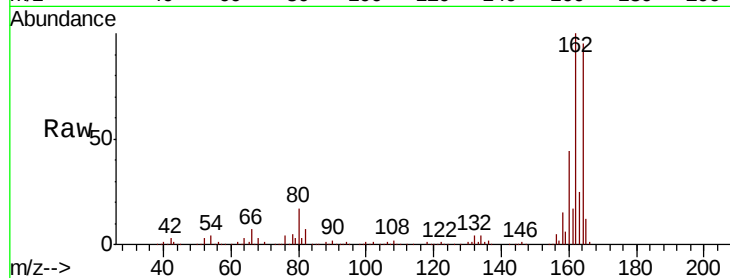
Tot Ion:165 Resp: 32886

Ion Ratio Lower Upper

165 100

63 1.5 33.8 50.8#

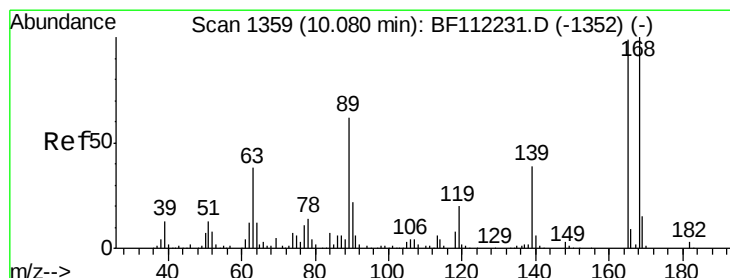
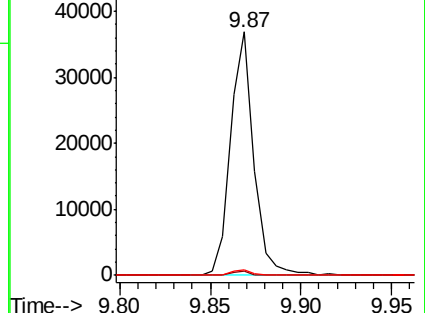
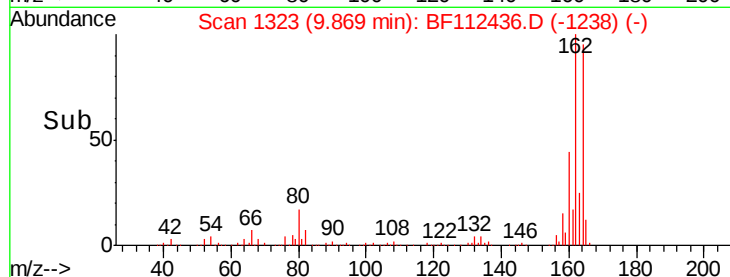
89 2.2 36.9 55.3#



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: 5.689 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

Tgt Ion:165 Resp: 32887

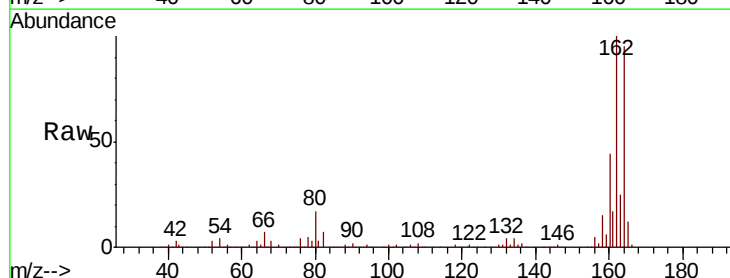
Ion Ratio Lower Upper

165 100

63 1.5 27.9 41.9#

89 2.2 47.9 71.9#

182 0.0 2.2 3.4#

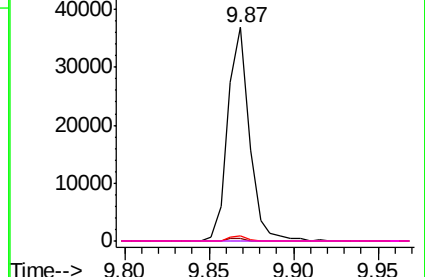
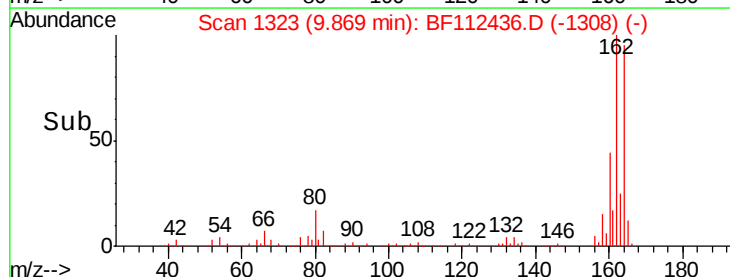


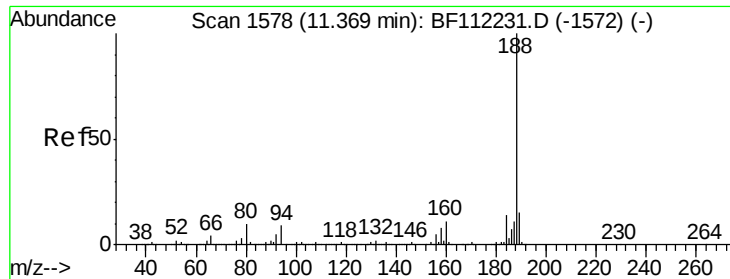
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1576

Delta R.T. -0.01 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

Instrument :

BNA_F

ClientSampleId :

M-4

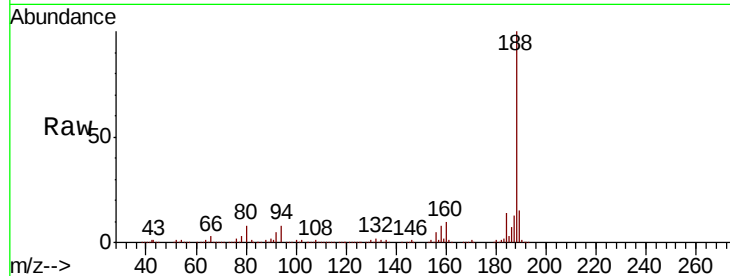
Tot Ion:188 Resp: 446660

Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.2

80 8.4 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

11.36

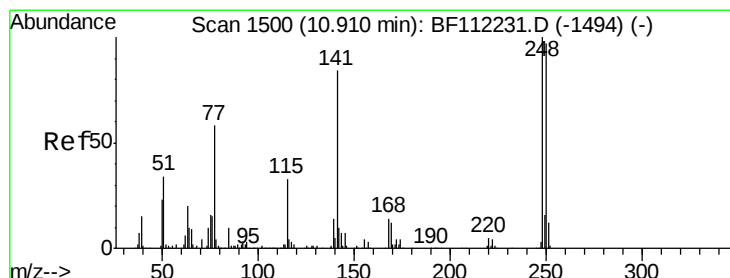
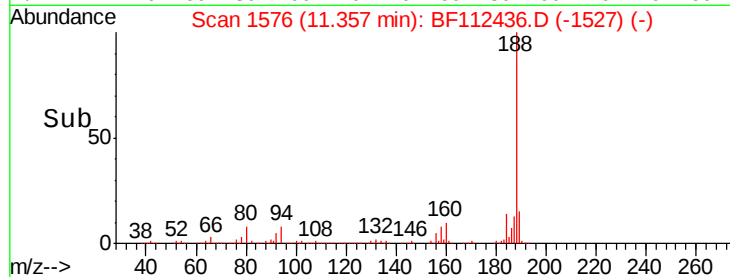
600000

400000

200000

0

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.259 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

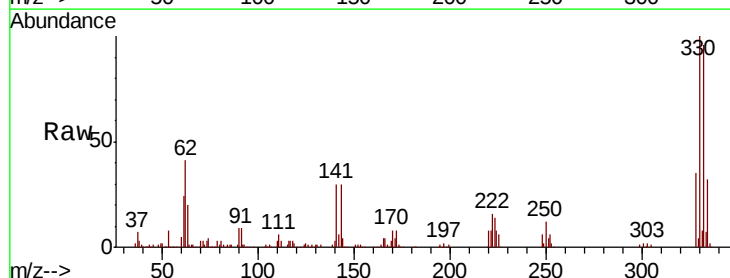
Tgt Ion:248 Resp: 17123

Ion Ratio Lower Upper

248 100

250 193.7 79.7 119.5#

141 476.5 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

10.66

120000

100000

80000

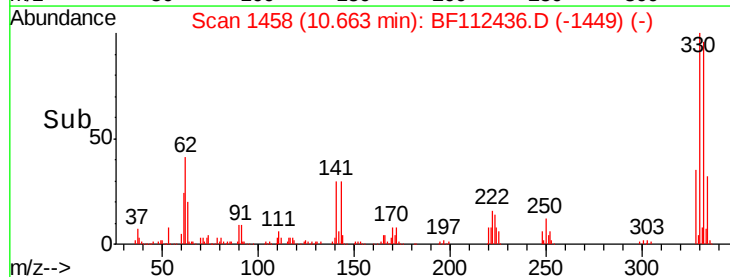
60000

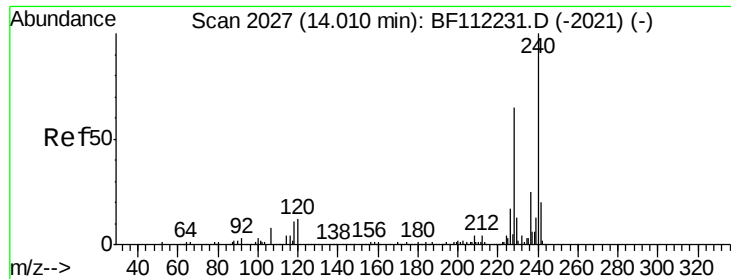
40000

20000

0

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

Instrument :

BNA_F

ClientSampleId :

M-4

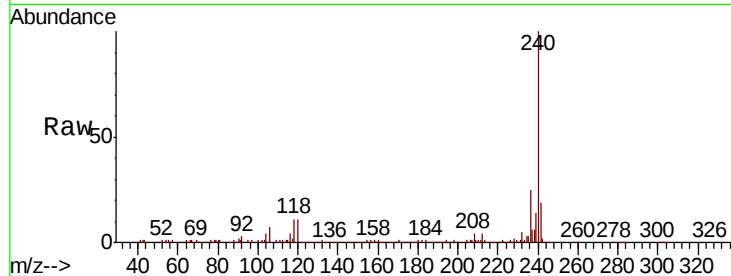
Tot Ion:240 Resp: 318523

Ion Ratio Lower Upper

240 100

120 11.4 9.0 13.6

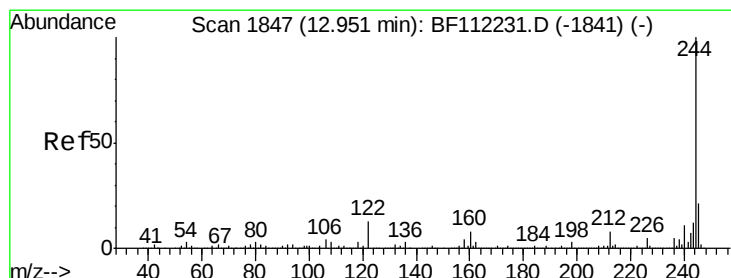
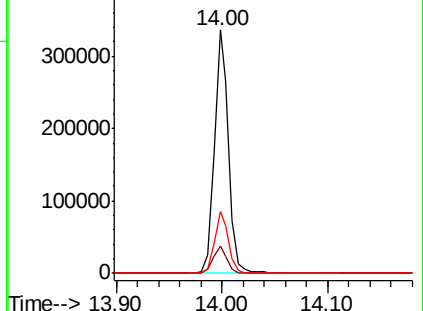
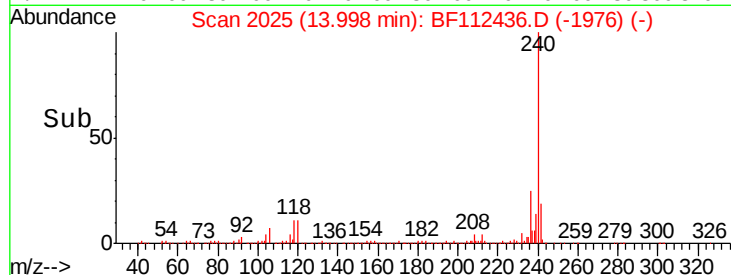
236 25.4 20.7 31.1



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: 60.719 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112436.D

Acq: 7 Feb 2019 14:23

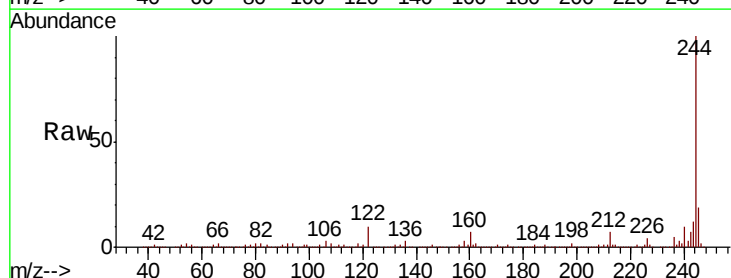
Tgt Ion:244 Resp: 1026856

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

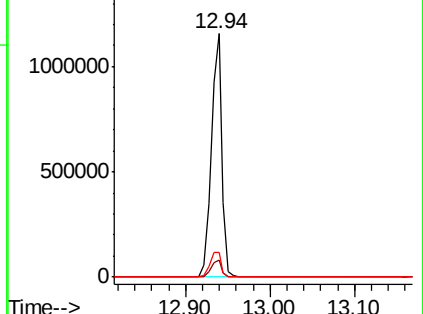
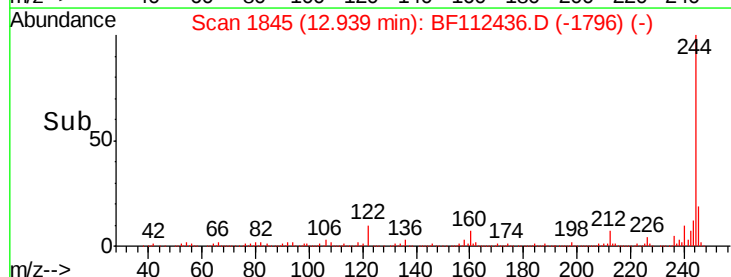
122 10.4 9.8 14.6

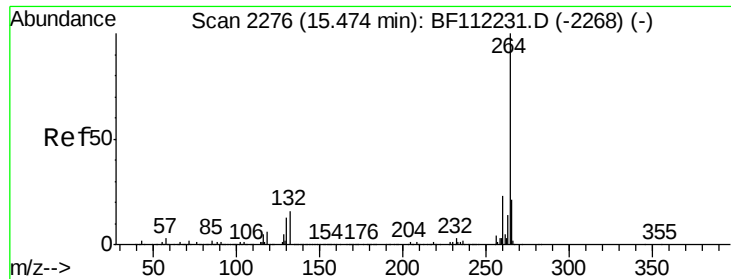


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112436.D
Acq: 7 Feb 2019 14:23

Instrument :
BNA_F
ClientSampleId :
M-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.2
265	22.4	17.0	25.4

