

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\
 Data File : BF112601.D
 Acq On : 18 Feb 2019 15:19
 Operator : JU/SJ
 Sample : K1510-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 18 16:22:59 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

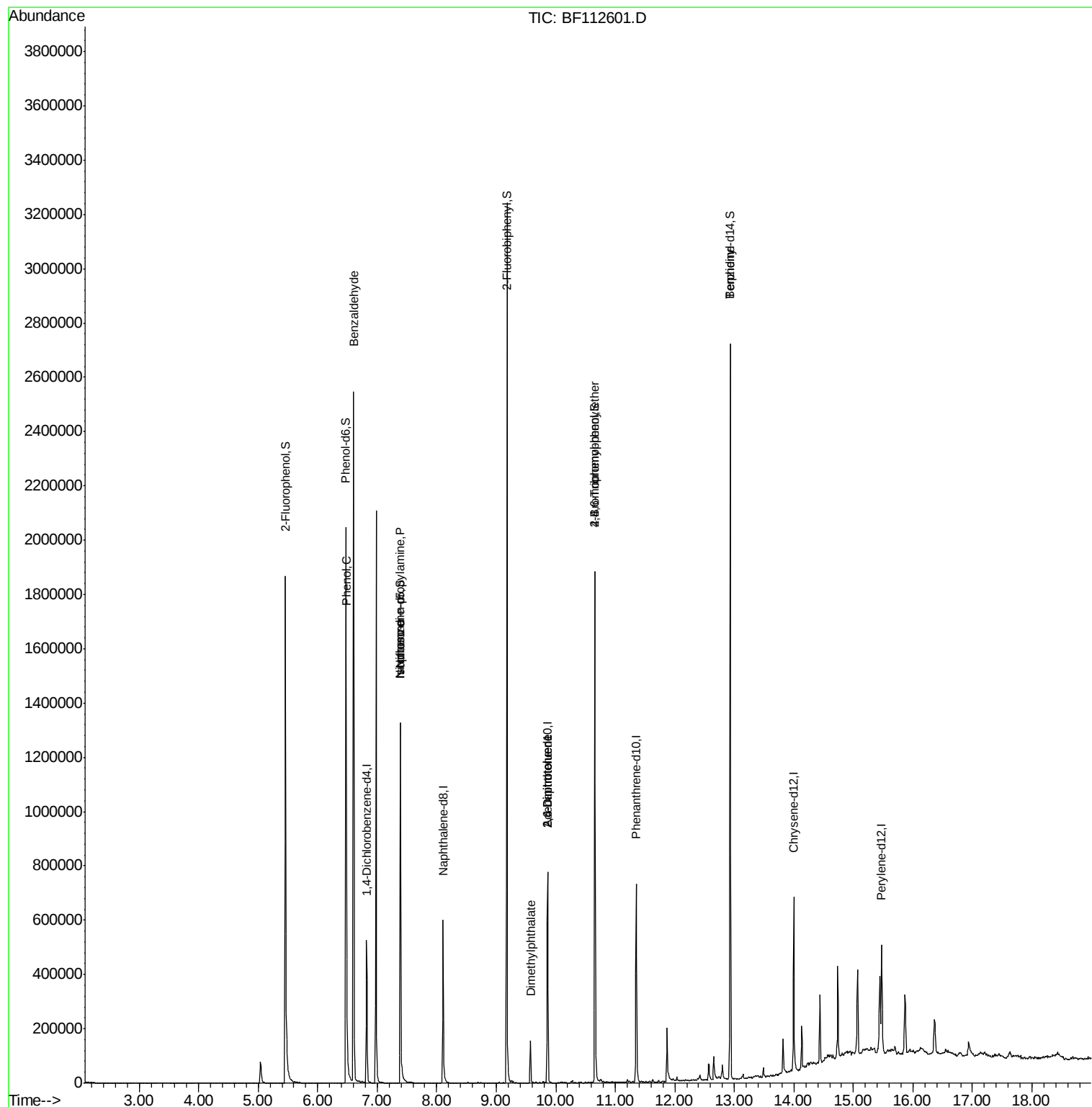
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	80177	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	317834	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	150634	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	272519	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	199338	20.00	ng	-0.01
87) Perylene-d12	15.47	264	183131	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	607301	160.89	ng	-0.02
7) Phenol-d6	6.47	99	749158	142.83	ng	-0.02
23) Nitrobenzene-d5	7.39	82	479088	86.85	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	230567	131.50	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	947647	88.98	ng	-0.02
79) Terphenyl-d14	12.93	244	864899	81.72	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.60	77	15872	5.790	ng	82
10) Phenol	6.49	94	20727	3.602	ng	88
19) n-Nitroso-di-n-propylamine	7.39	70	65215	18.031	ng	# 78
25) Isophorone	7.39	82	479085	55.363	ng	# 63
50) Dimethylphthalate	9.57	163	70836	6.053	ng	97
51) 2,6-Dinitrotoluene	9.86	165	19650	7.497	ng	# 35
57) 2,4-Dinitrotoluene	9.86	165	19650	5.889	ng	# 33
67) 4-Bromophenyl-phenylether	10.66	248	14434	4.503	ng	# 1
77) Benzidine	12.93	184	12558	2.289	ng	98

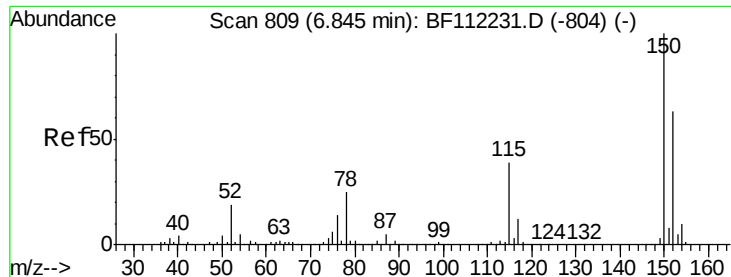
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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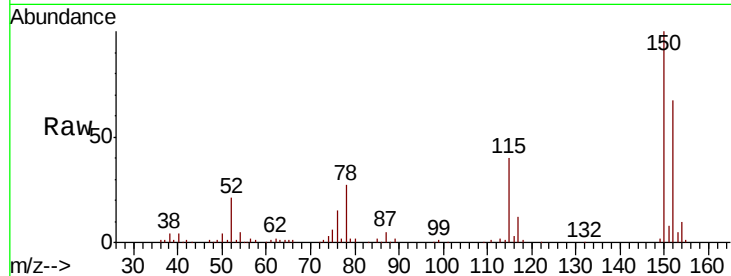


#1

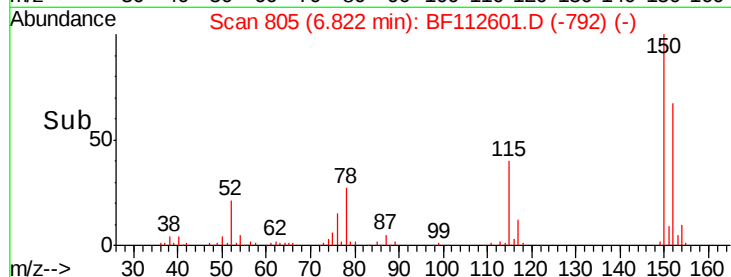
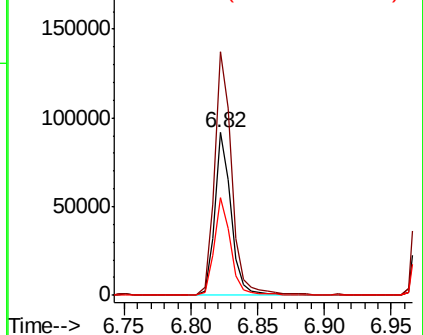
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112601.D
Acq: 18 Feb 2019 15:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80177
Ion Ratio Lower Upper
152 100
150 149.8 127.4 191.0
115 60.2 45.5 68.3



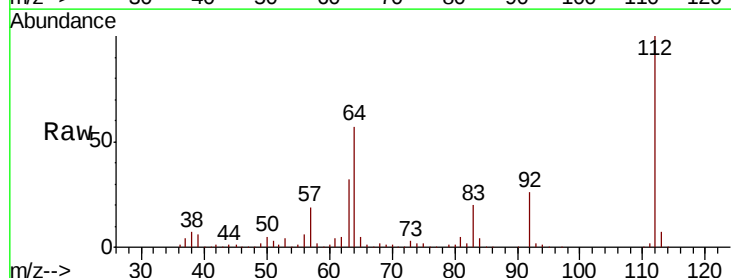
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



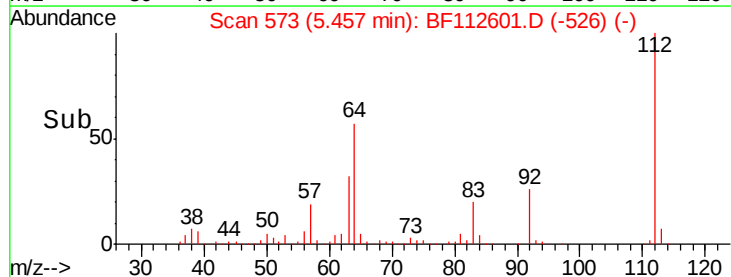
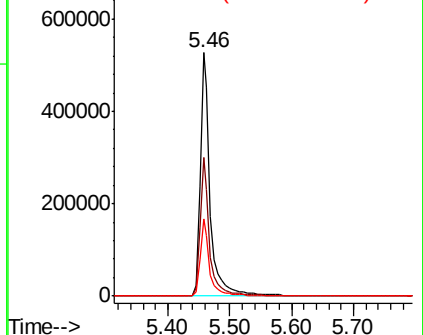
#5

2-Fluorophenol
Concen: 160.887 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF112601.D
Acq: 18 Feb 2019 15:19

Tgt Ion:112 Resp: 607301
Ion Ratio Lower Upper
112 100
64 56.8 45.7 68.5
63 31.6 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: 142.829 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

Instrument :

BNA_F

ClientSampled :

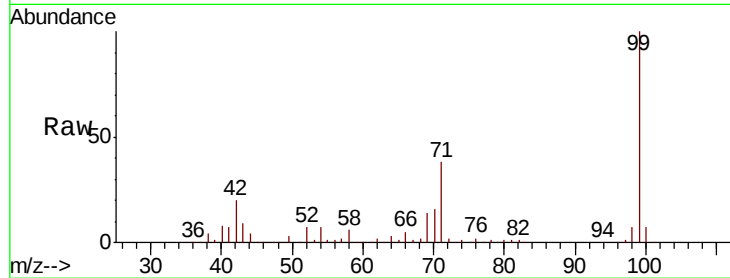
Tot Ion: 99 Resp: 749158

Ion Ratio Lower Upper

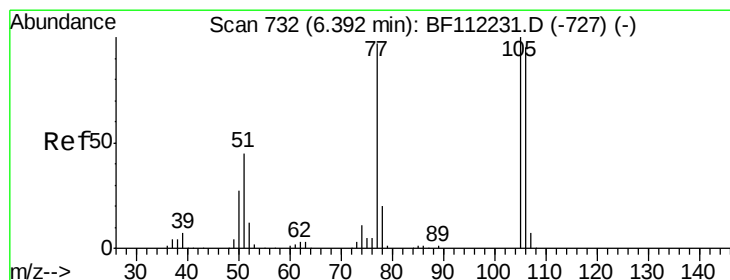
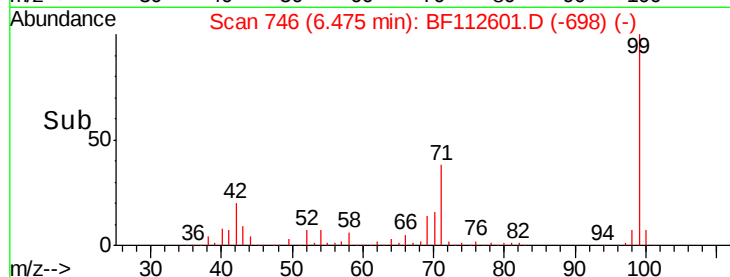
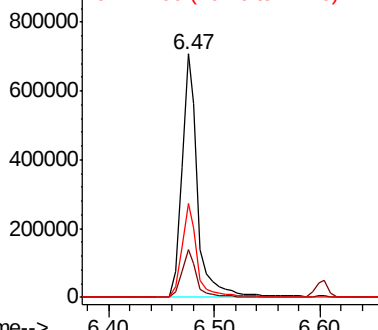
99 100

42 19.8 15.1 22.7

71 38.3 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



#9

Benzaldehyde

Concen: 5.790 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.21 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

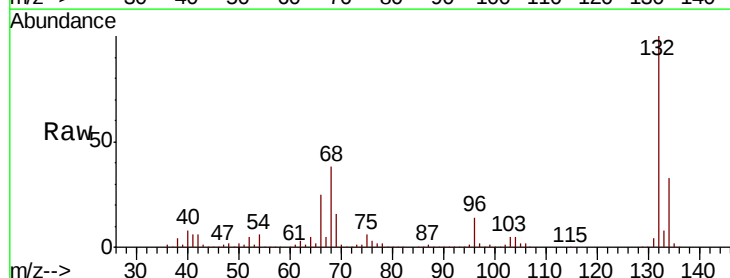
Tgt Ion: 77 Resp: 15872

Ion Ratio Lower Upper

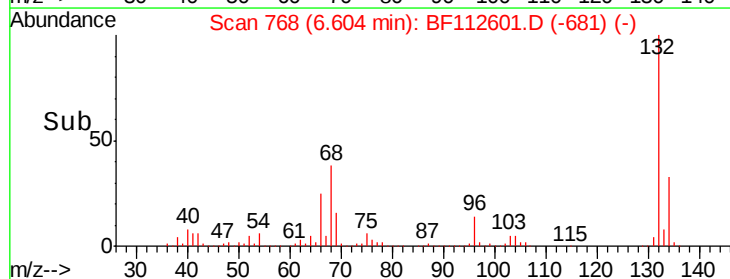
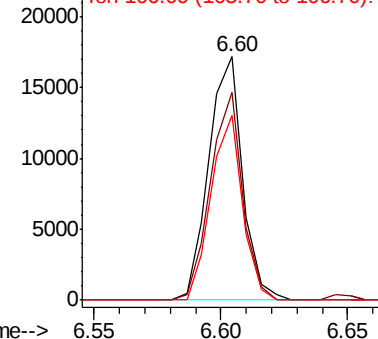
77 100

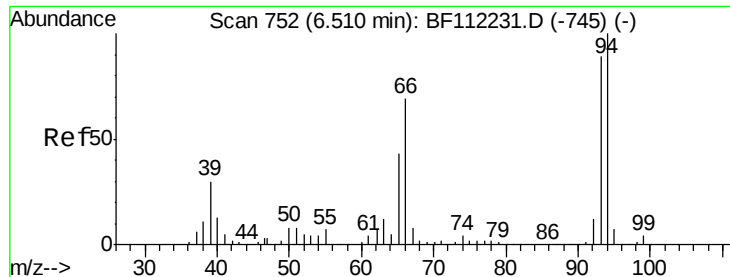
105 85.5 80.8 120.8

106 75.8 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





#10

Phenol

Concen: 3.602 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

Instrument :

BNA_F

ClientSampled :

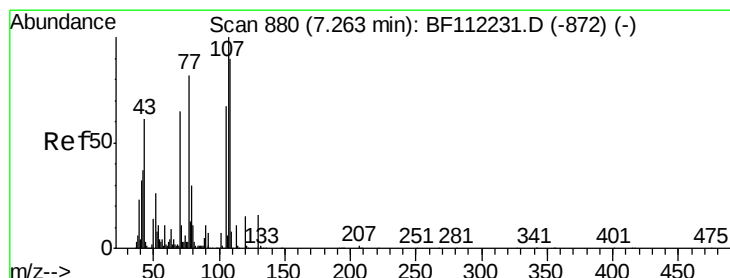
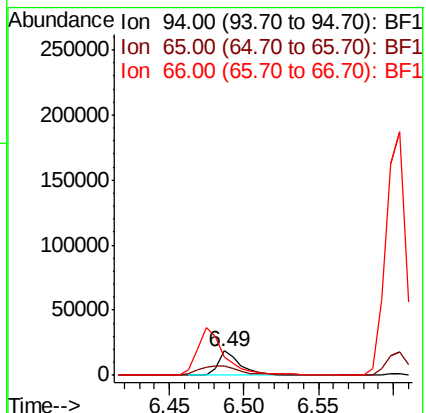
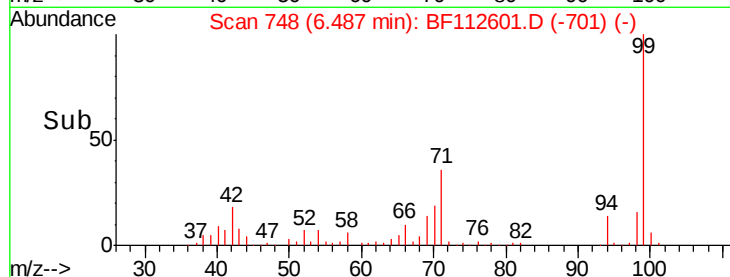
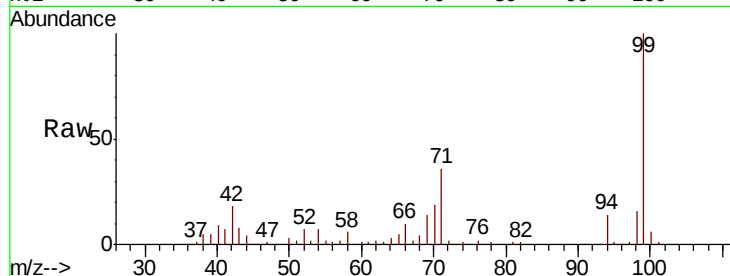
Tot Ion: 94 Resp: 20727

Ion Ratio Lower Upper

94 100

65 36.7 20.3 60.3

66 74.4 42.4 82.4



#19

n-Nitroso-di-n-propylamine

Concen: 18.031 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.12 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

Tgt Ion: 70 Resp: 65215

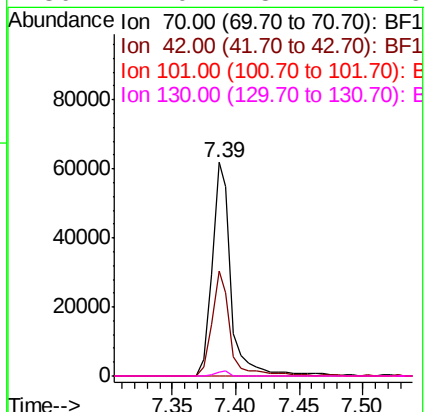
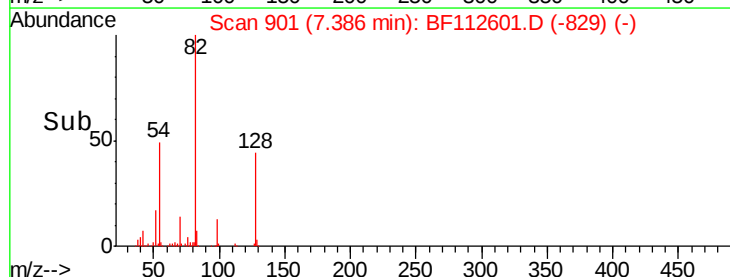
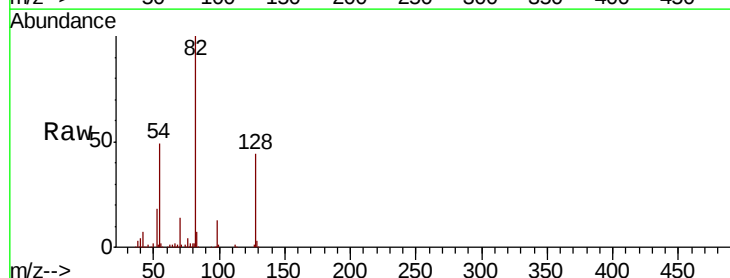
Ion Ratio Lower Upper

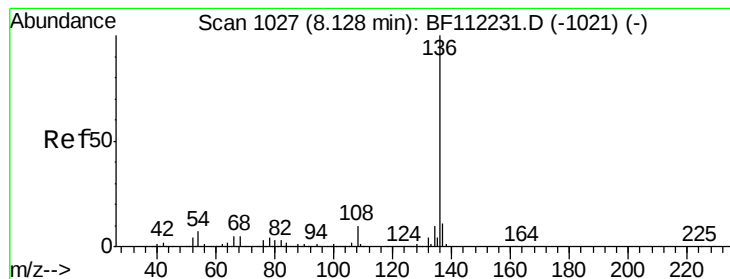
70 100

42 49.2 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: BF112601.D

Acq: 18 Feb 2019 15:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 317834

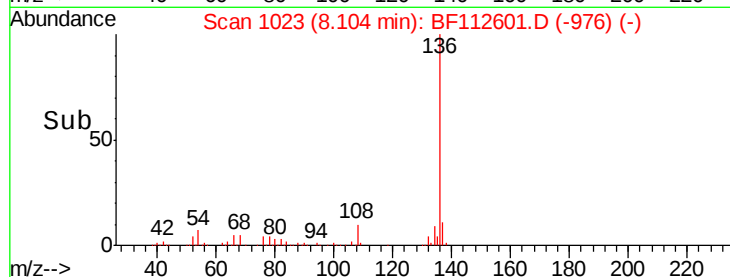
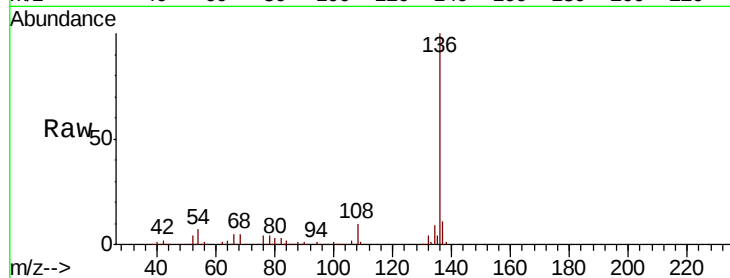
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 6.6 5.9 8.9

68 4.8 5.1 7.7#

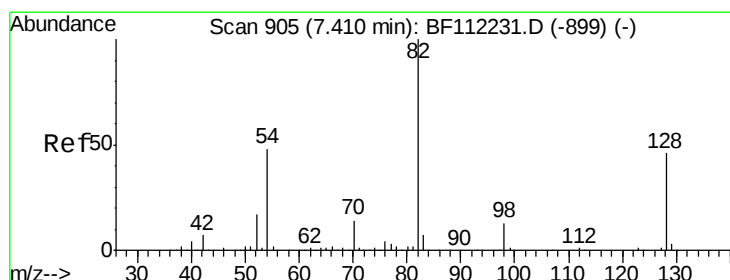
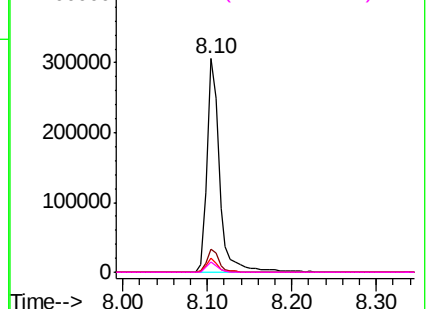


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.853 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

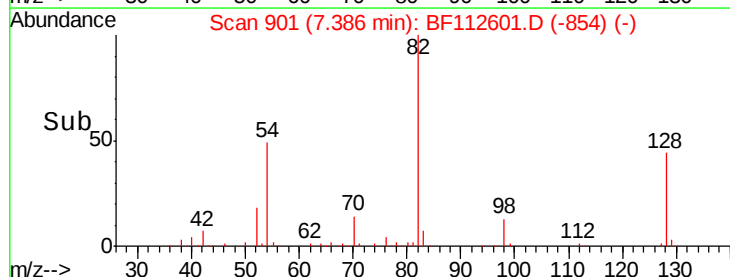
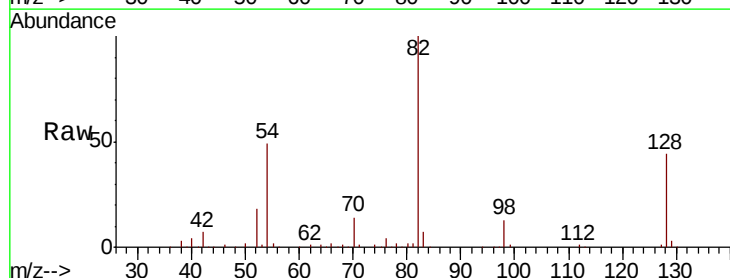
Tgt Ion: 82 Resp: 479088

Ion Ratio Lower Upper

82 100

128 43.8 37.8 56.8

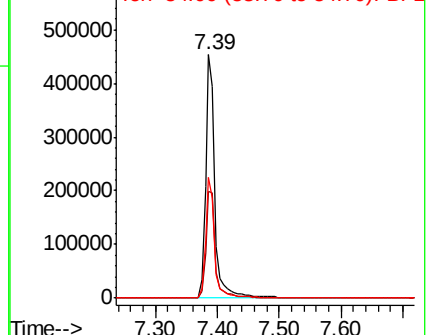
54 49.3 39.7 59.5

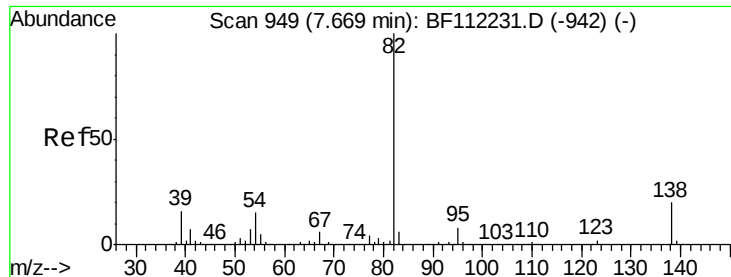


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

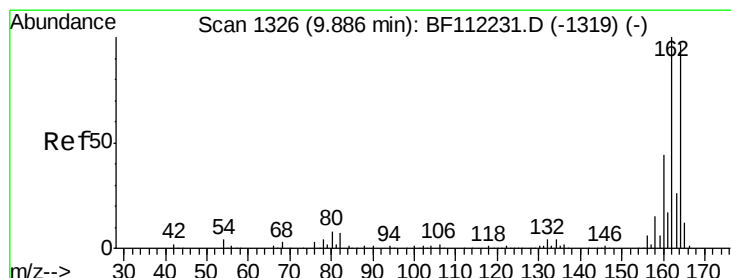
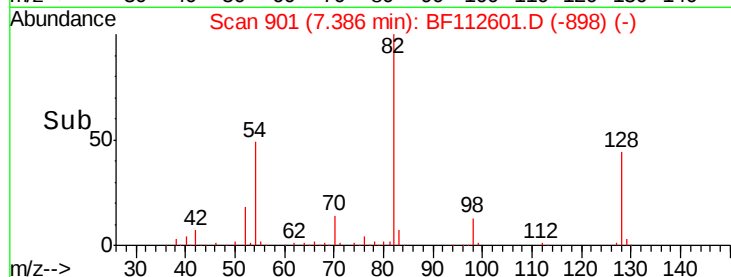
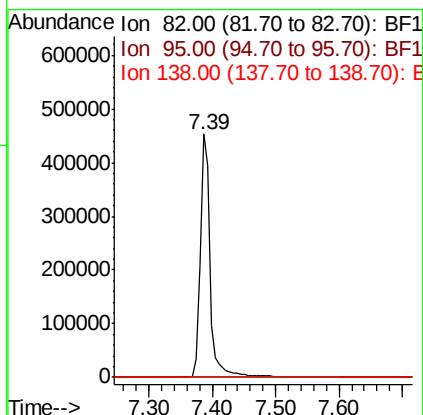
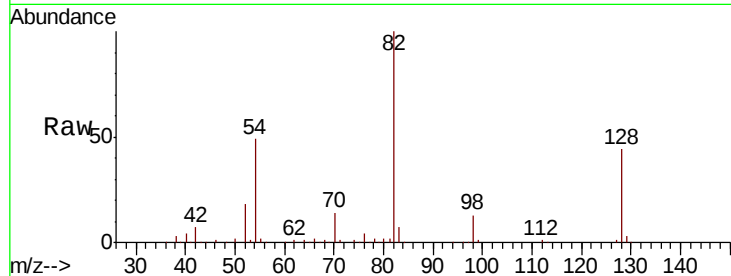




#25
Isophorone
Concen: 55.363 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.28 min
Lab File: BF112601.D
Acq: 18 Feb 2019 15:19

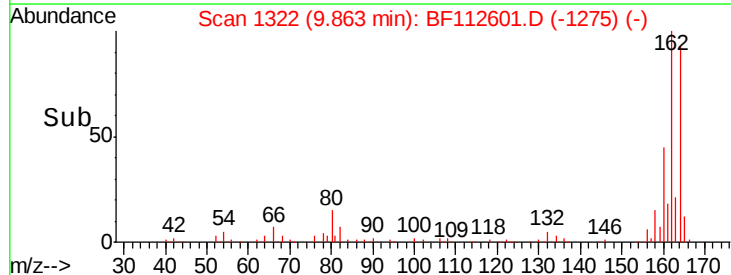
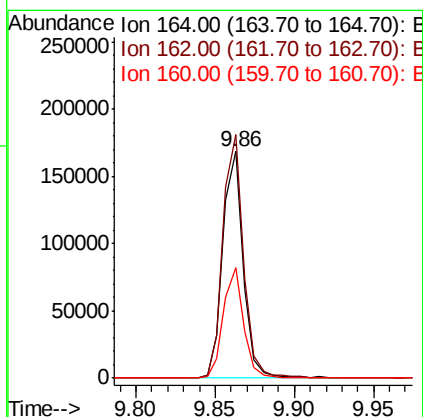
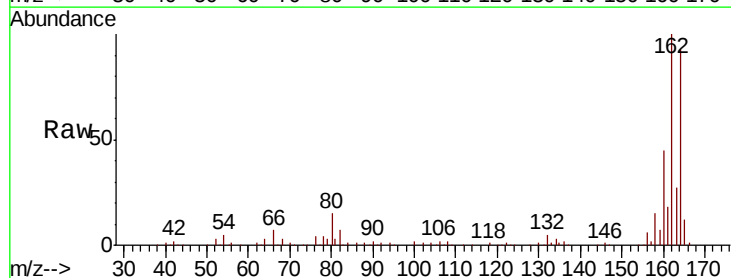
Instrument :
BNA_F
ClientSampleId :

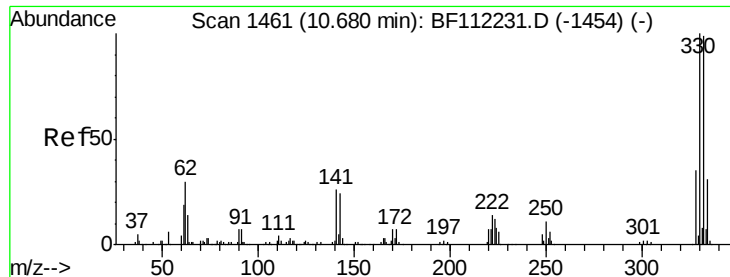
Tot Ion: 82 Resp: 479085
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF112601.D
Acq: 18 Feb 2019 15:19

Tgt Ion: 164 Resp: 150634
Ion Ratio Lower Upper
164 100
162 107.5 82.2 123.4
160 48.9 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 131.502 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

Instrument :

BNA_F

ClientSampleId :

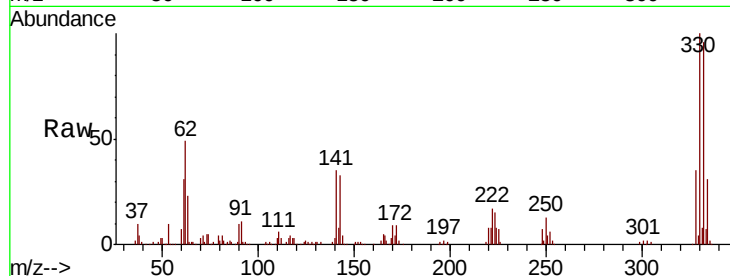
Tot Ion:330 Resp: 230567

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

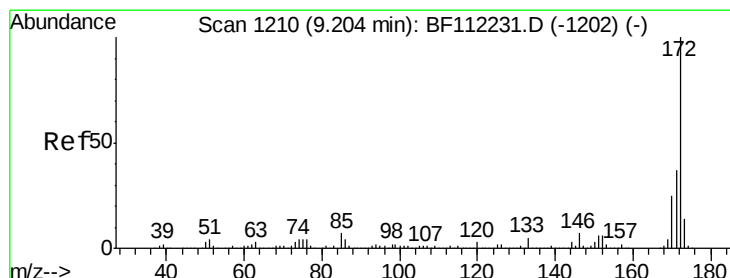
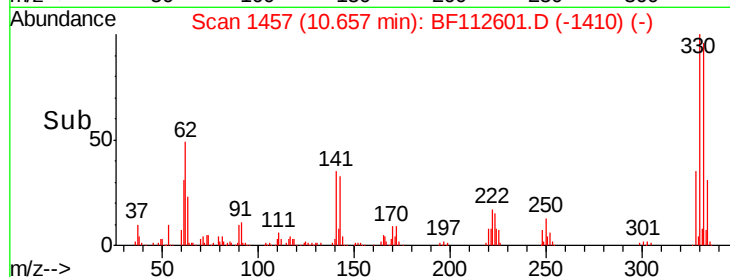
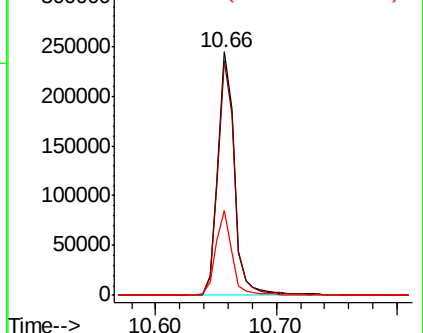
141 33.9 24.3 36.5



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: 88.977 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.02 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

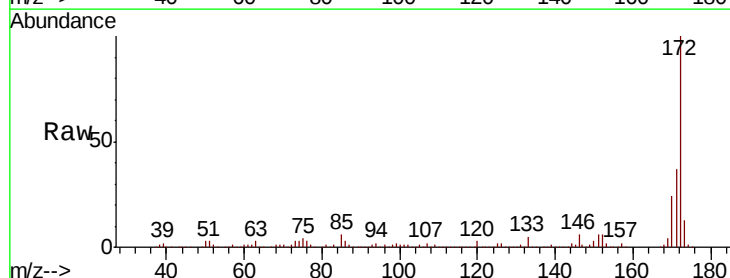
Tgt Ion:172 Resp: 947647

Ion Ratio Lower Upper

172 100

171 36.6 30.5 45.7

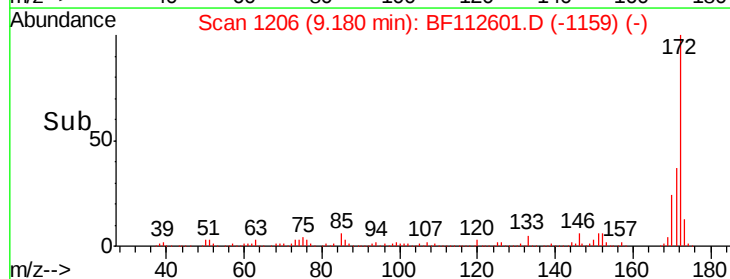
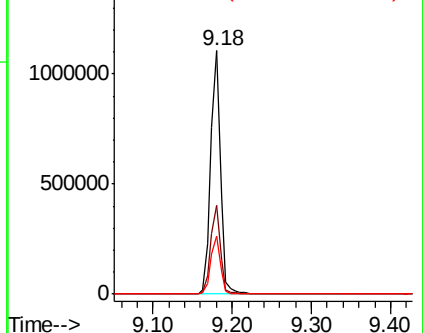
170 23.9 20.2 30.4

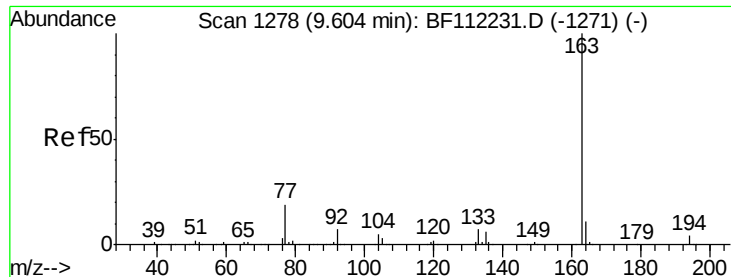


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.053 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.03 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

Instrument :

BNA_F

ClientSampleId :

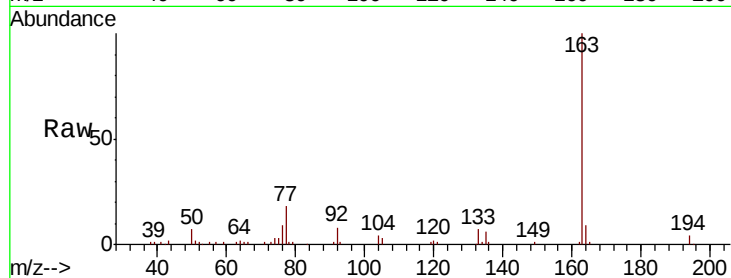
Tot Ion:163 Resp: 70836

Ion Ratio Lower Upper

163 100

194 3.6 3.3 4.9

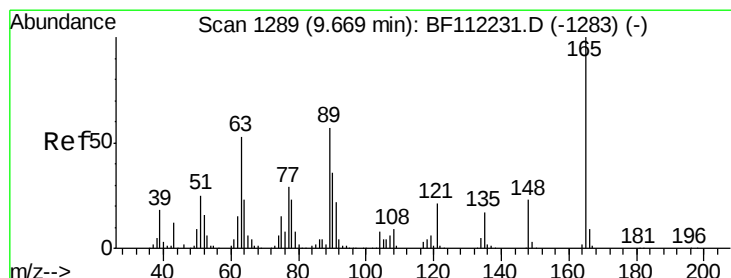
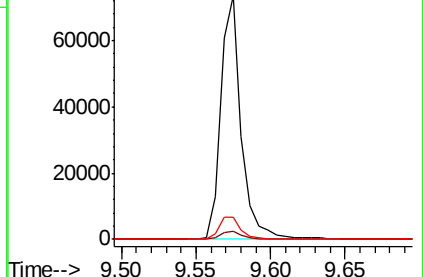
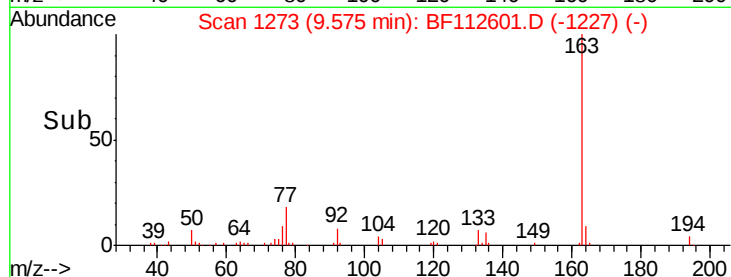
164 9.1 8.5 12.7



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: 7.497 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.19 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

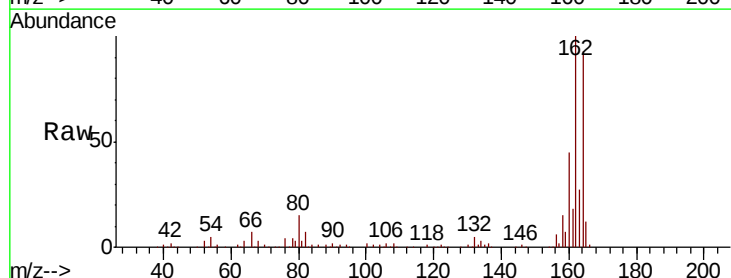
Tgt Ion:165 Resp: 19650

Ion Ratio Lower Upper

165 100

63 2.1 33.8 50.8#

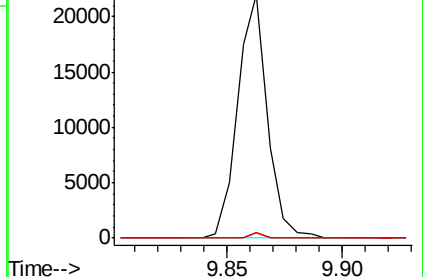
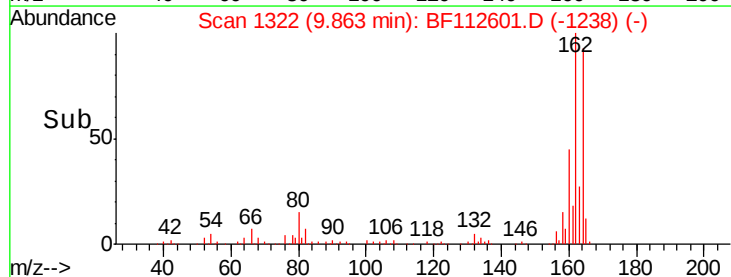
89 2.1 36.9 55.3#

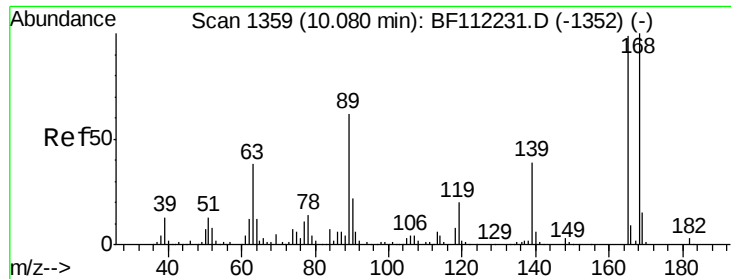


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

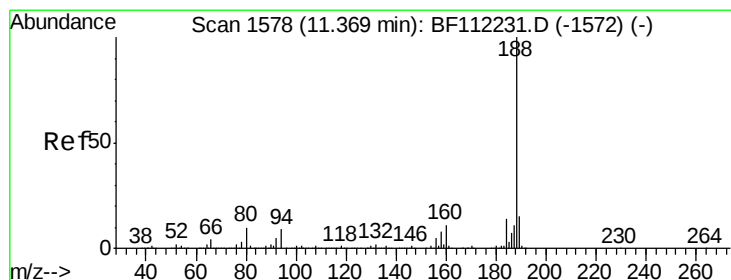
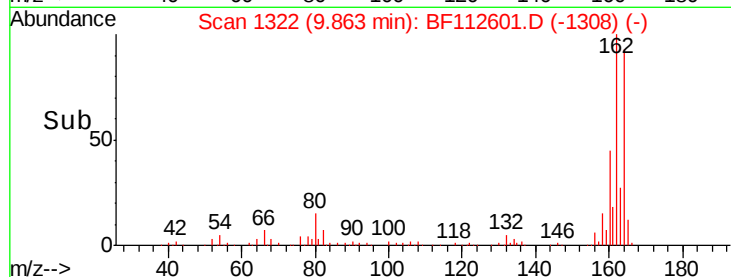
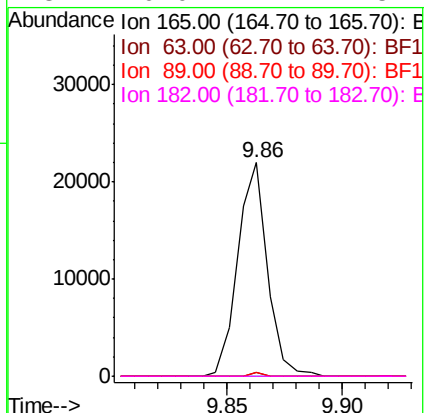
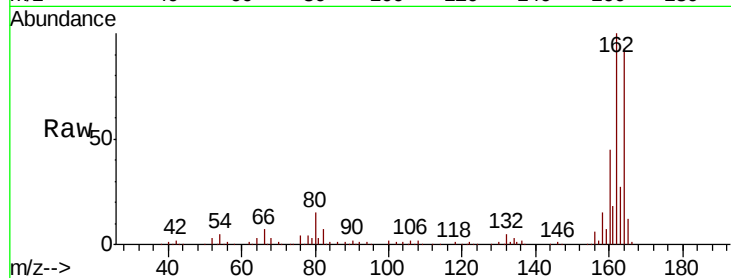




#57
 2,4-Dinitrotoluene
 Concen: 5.889 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.22 min
 Lab File: BF112601.D
 Acq: 18 Feb 2019 15:19

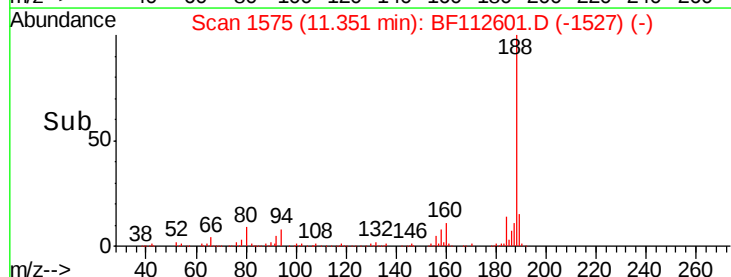
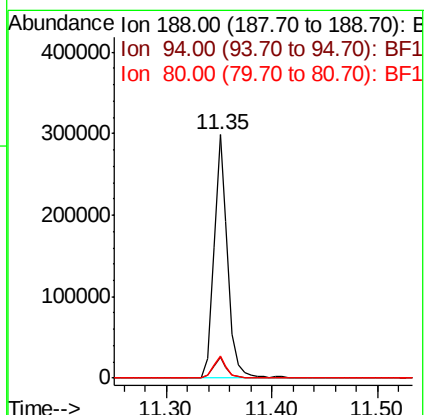
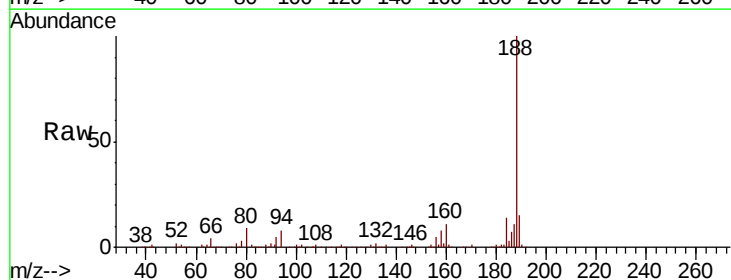
Instrument :
 BNA_F
 ClientSampleId :

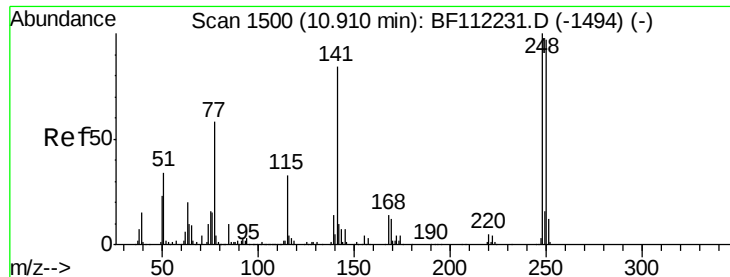
Tot Ion:	165	Resp:	19650
Ion	Ratio	Lower	Upper
165	100		
63	2.1	27.9	41.9#
89	2.1	47.9	71.9#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF112601.D
 Acq: 18 Feb 2019 15:19

Tgt Ion:	188	Resp:	272519
Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.2	12.2
80	9.0	8.9	13.3





#67

4-Bromophenyl-phenylether

Concen: 4.503 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.25 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

Instrument :

BNA_F

ClientSampled :

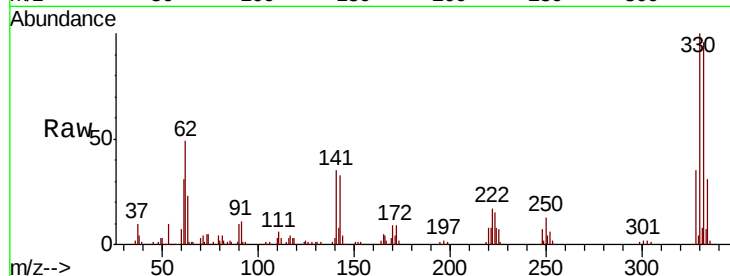
Tot Ion:248 Resp: 14434

Ion Ratio Lower Upper

248 100

250 192.0 79.7 119.5#

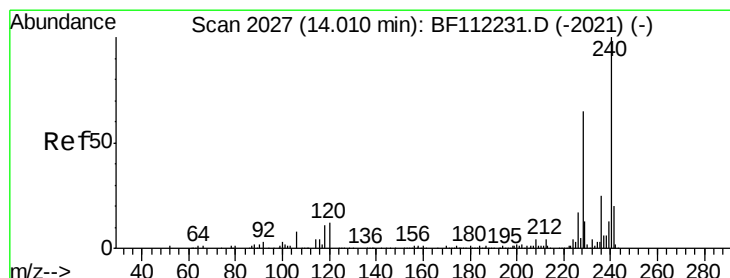
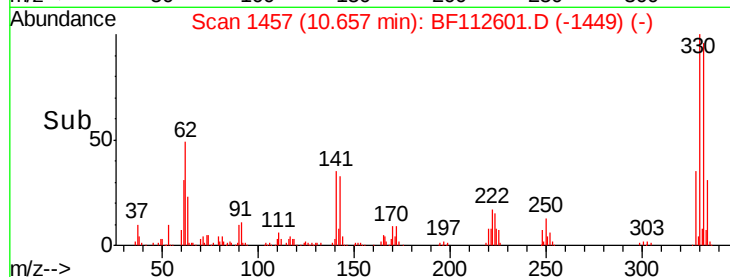
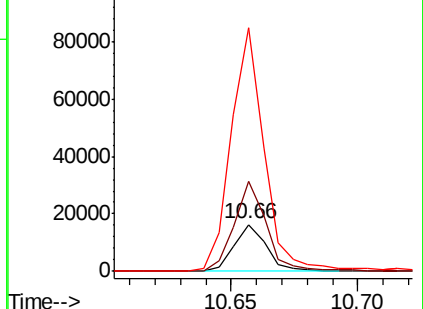
141 521.3 60.3 90.5#



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: BF112601.D

Acq: 18 Feb 2019 15:19

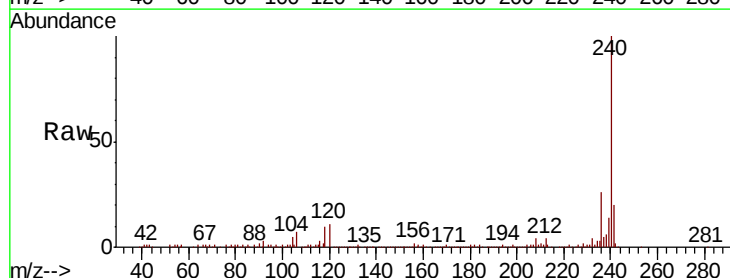
Tgt Ion:240 Resp: 199338

Ion Ratio Lower Upper

240 100

120 11.4 9.0 13.6

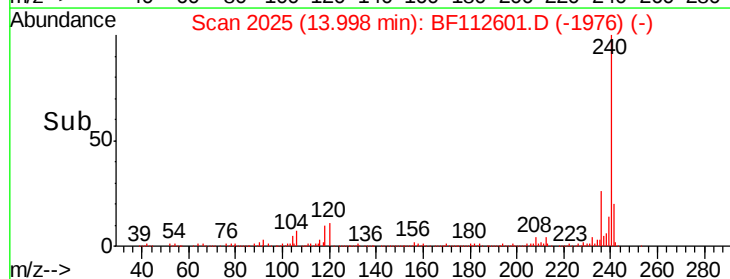
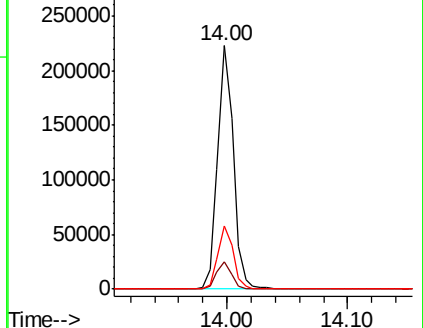
236 25.9 20.7 31.1

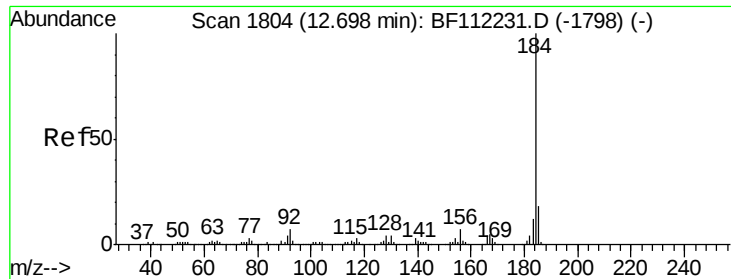


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.289 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.24 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

Instrument :

BNA_F

ClientSampleId :

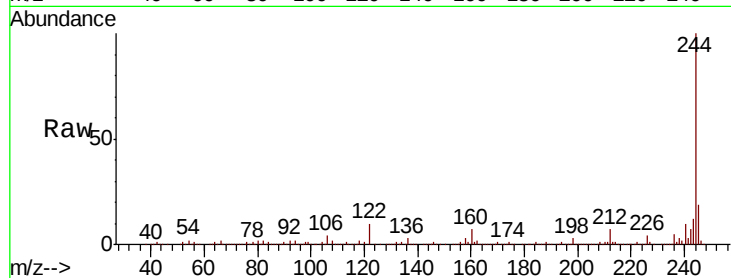
Tot Ion:184 Resp: 12558

Ion Ratio Lower Upper

184 100

185 17.9 13.9 20.9

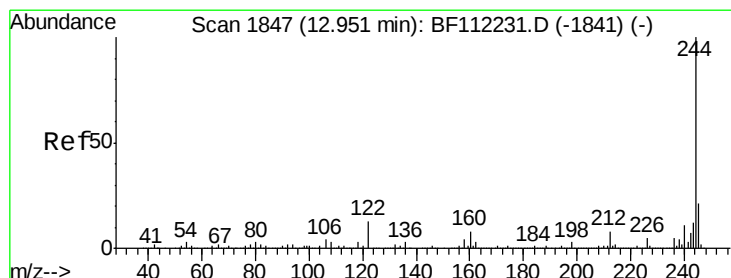
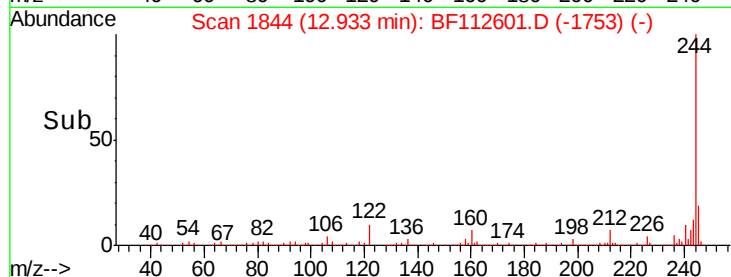
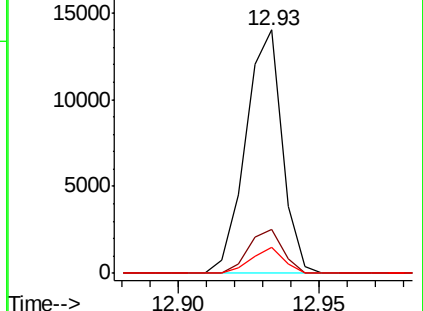
183 10.8 10.0 15.0



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: 81.720 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF112601.D

Acq: 18 Feb 2019 15:19

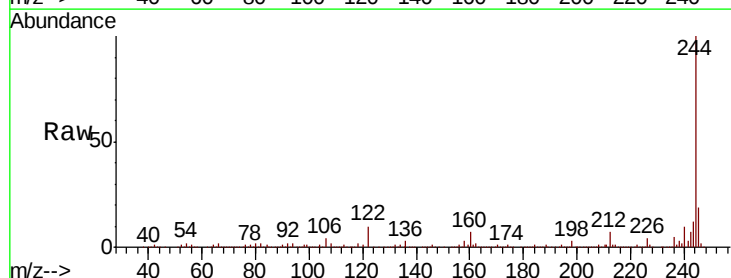
Tgt Ion:244 Resp: 864899

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

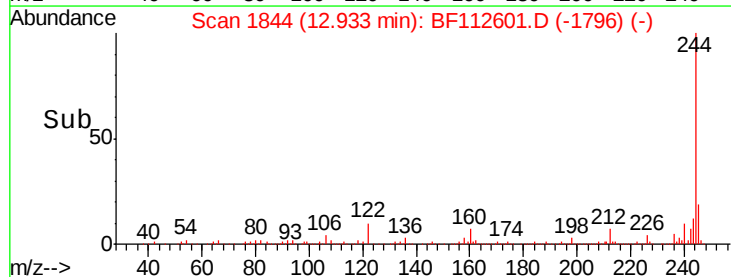
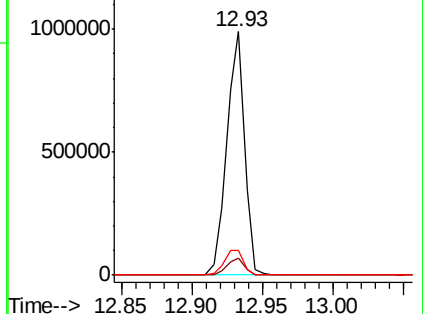
122 10.1 9.8 14.6

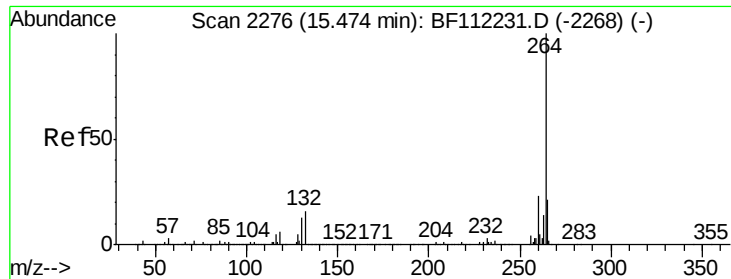


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

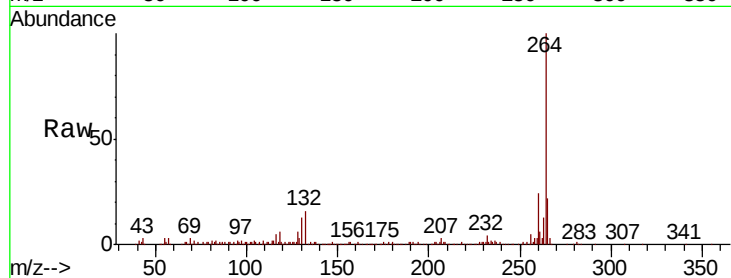




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF112601.D
 Acq: 18 Feb 2019 15:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.2
265	22.4	17.0	25.4

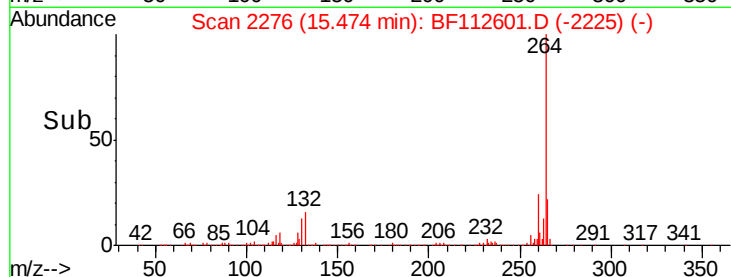
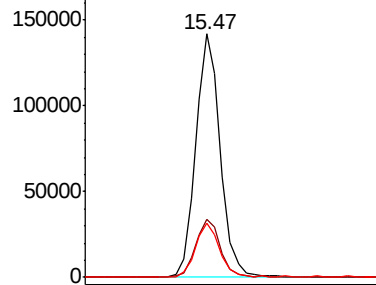


Abundance

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



Time-->