

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021919\
 Data File : BF112615.D
 Acq On : 19 Feb 2019 12:29
 Operator : JU/SJ
 Sample : K1513-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 16:15:02 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

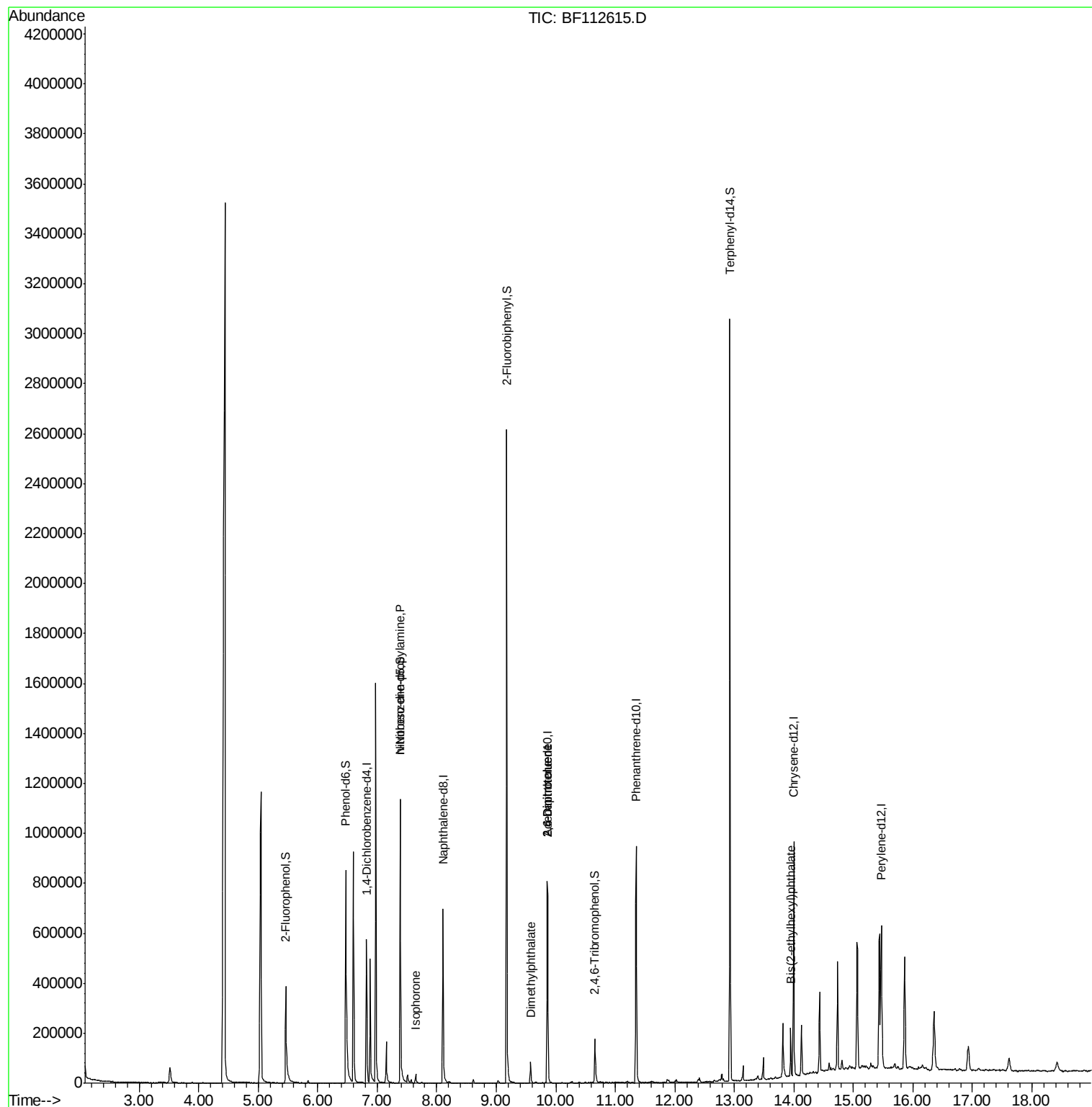
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	89190	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	365616	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	182873	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	375398	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	331818	20.00	ng	-0.01
87) Perylene-d12	15.47	264	280031	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	161694	38.51	ng	-0.02
7) Phenol-d6	6.47	99	408842	70.07	ng	-0.02
23) Nitrobenzene-d5	7.39	82	390108	61.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	27951	13.13	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	852021	65.90	ng	-0.03
79) Terphenyl-d14	12.93	244	1070171	60.74	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	54252	13.484	ng	Qvalue # 74
25) Isophorone	7.65	82	21307	2.140	ng	99
50) Dimethylphthalate	9.57	163	44070	3.102	ng	98
51) 2,6-Dinitrotoluene	9.86	165	23284	7.317	ng	# 34
57) 2,4-Dinitrotoluene	9.86	165	23284	5.748	ng	# 32
84) Bis(2-ethylhexyl)phthalate	13.95	149	59506	3.772	ng	98

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

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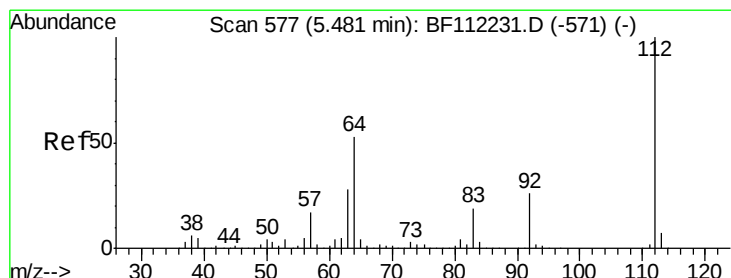
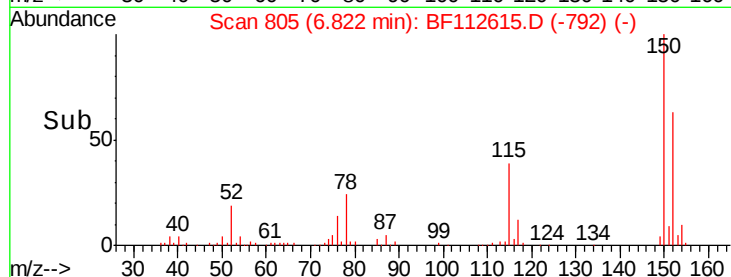
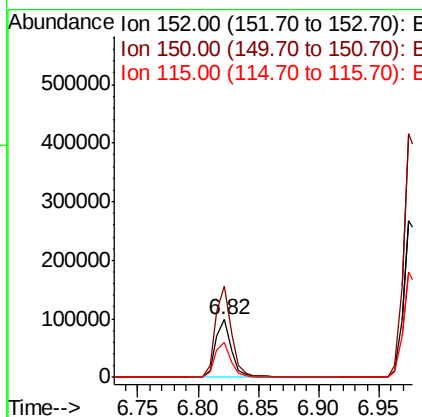
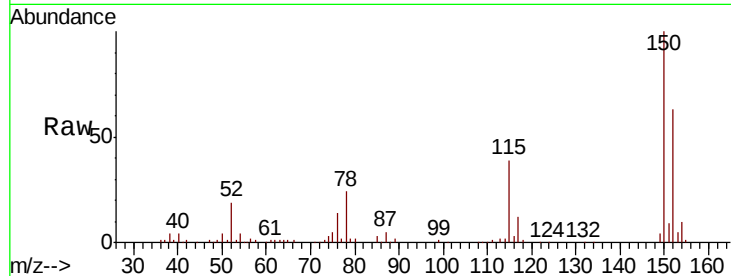


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112615.D
Acq: 19 Feb 2019 12:29

Instrument :
BNA_F
ClientSampled :

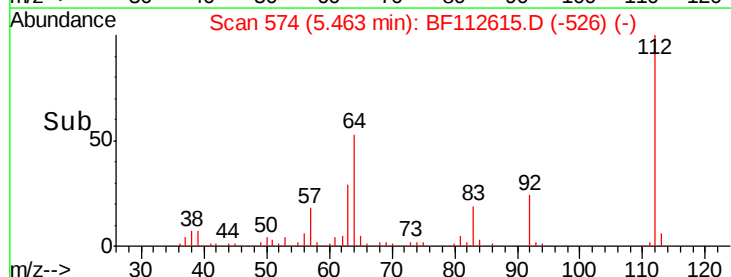
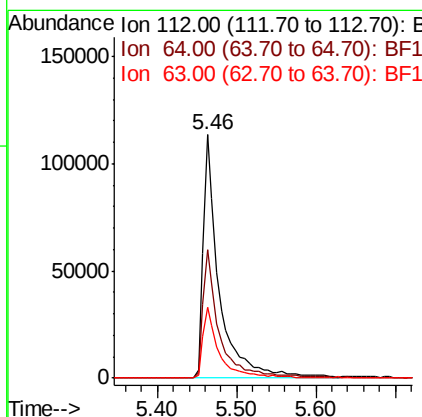
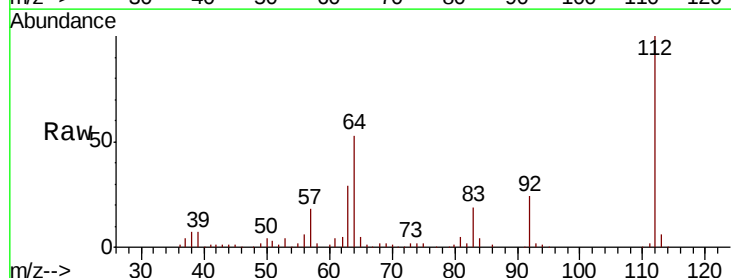
Tot Ion:152 Resp: 89190
Ion Ratio Lower Upper
152 100
150 157.8 127.4 191.0
115 61.0 45.5 68.3



#5

2-Fluorophenol
Concen: 38.508 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112615.D
Acq: 19 Feb 2019 12:29

Tgt Ion:112 Resp: 161694
Ion Ratio Lower Upper
112 100
64 52.6 45.7 68.5
63 29.2 23.6 35.4





#7

Phenol-d6

Concen: 70.070 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF112615.D

Acq: 19 Feb 2019 12:29

Instrument :

BNA_F

ClientSampleId :

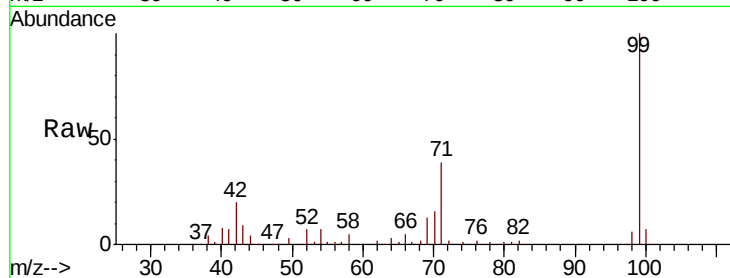
Tot Ion: 99 Resp: 408842

Ion Ratio Lower Upper

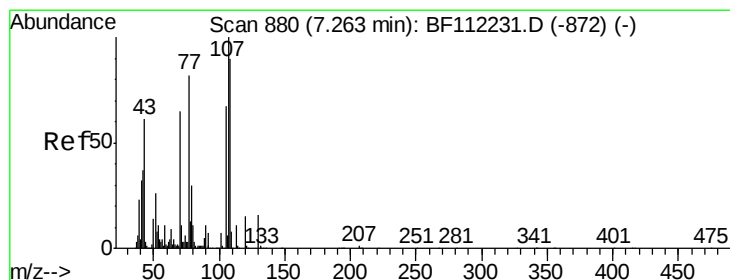
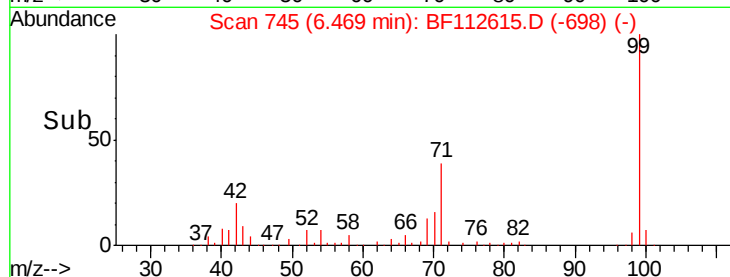
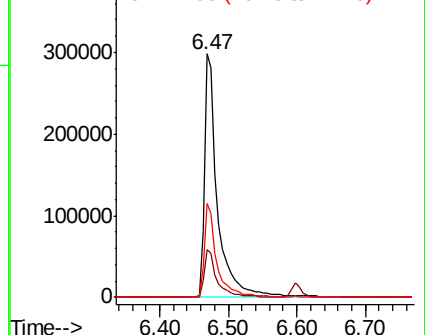
99 100

42 19.7 15.1 22.7

71 38.6 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: 13.484 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.12 min

Lab File: BF112615.D

Acq: 19 Feb 2019 12:29

Tgt Ion: 70 Resp: 54252

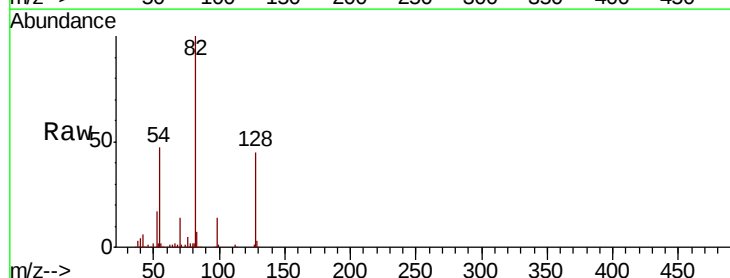
Ion Ratio Lower Upper

70 100

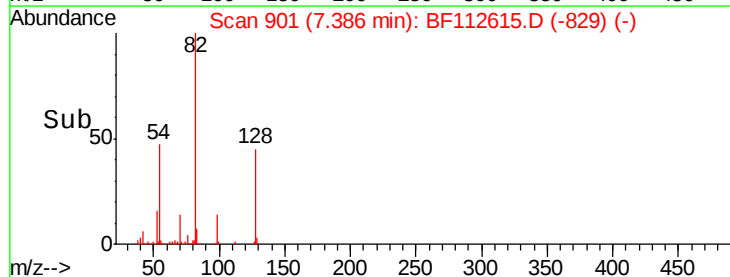
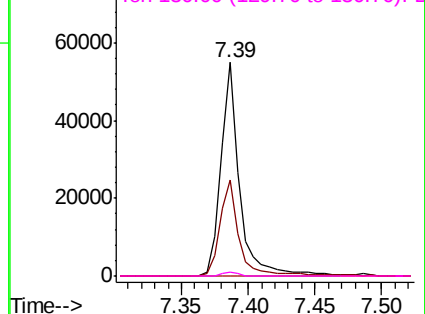
42 44.7 47.6 71.4#

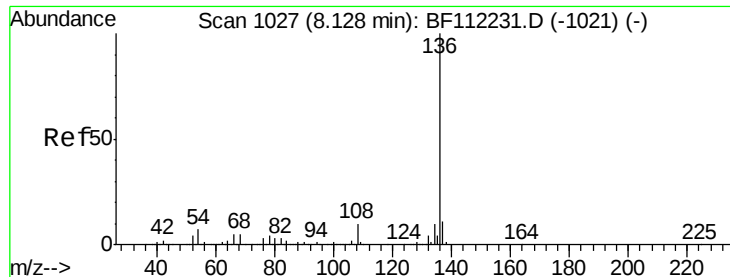
101 0.0 7.9 11.9#

130 2.1 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: BF112615.D

Acq: 19 Feb 2019 12:29

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 365616

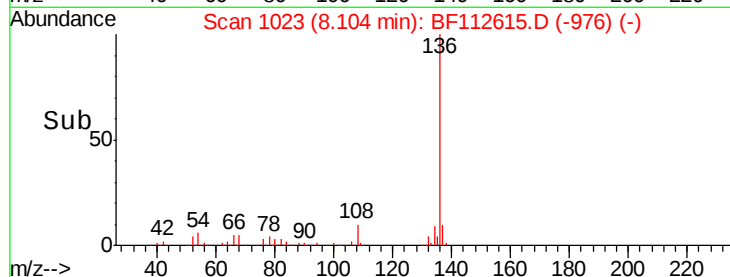
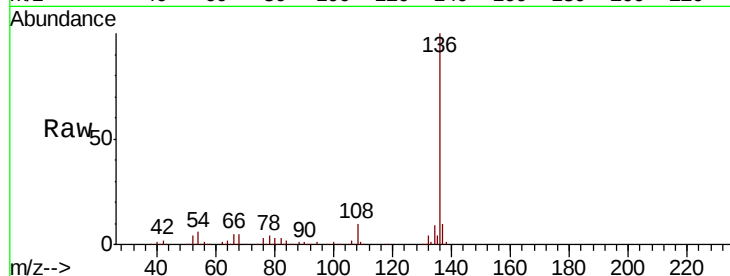
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 6.2 5.9 8.9

68 4.6 5.1 7.7#

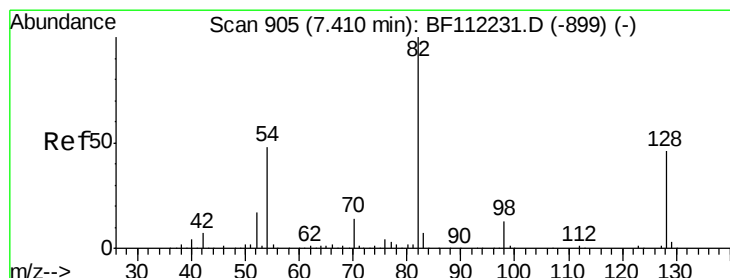
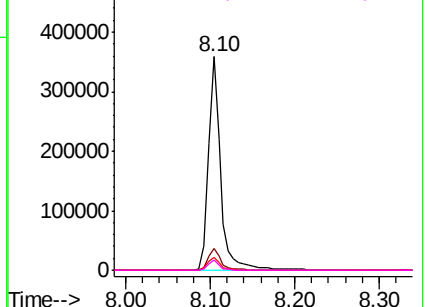


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.480 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112615.D

Acq: 19 Feb 2019 12:29

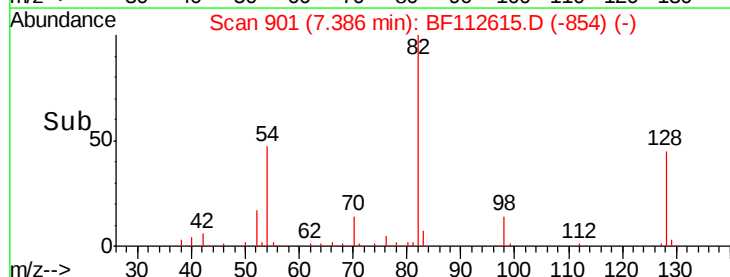
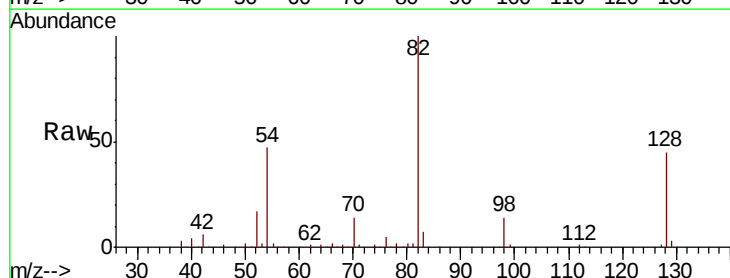
Tgt Ion: 82 Resp: 390108

Ion Ratio Lower Upper

82 100

128 45.0 37.8 56.8

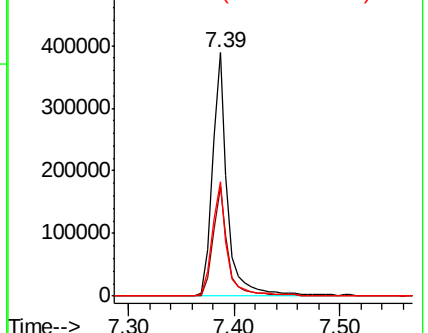
54 47.0 39.7 59.5

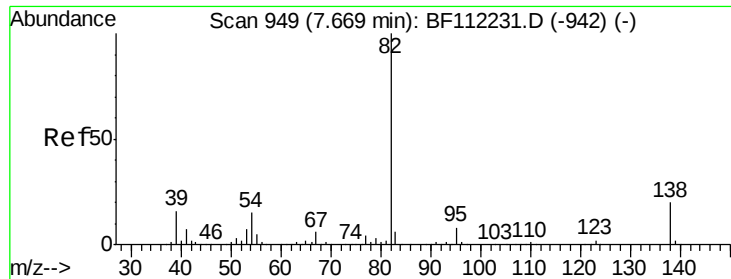


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 2.140 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF112615.D

Acq: 19 Feb 2019 12:29

Instrument :

BNA_F

ClientSampleId :

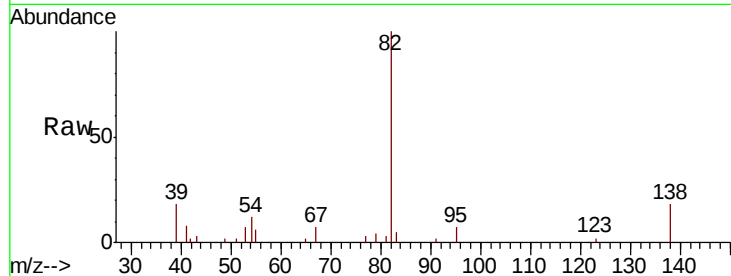
Tot Ion: 82 Resp: 21307

Ion Ratio Lower Upper

82 100

95 7.3 5.7 8.5

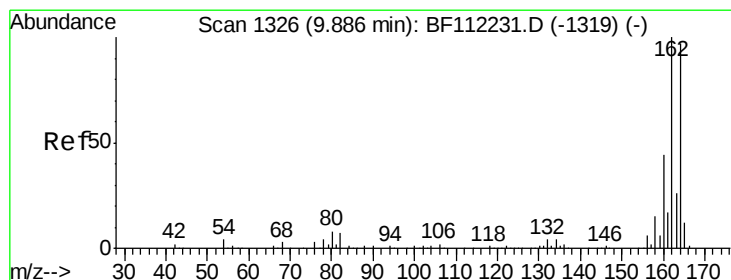
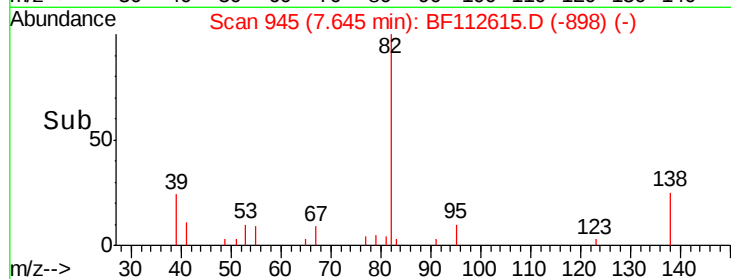
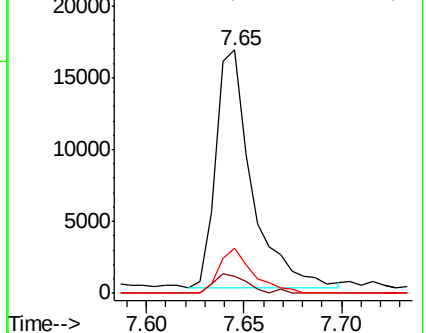
138 18.4 15.4 23.0



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: BF112615.D

Acq: 19 Feb 2019 12:29

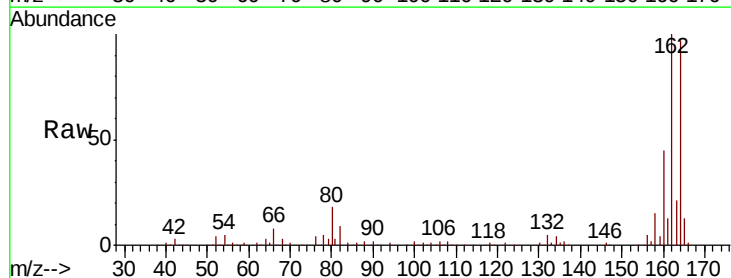
Tgt Ion: 164 Resp: 182873

Ion Ratio Lower Upper

164 100

162 102.9 82.2 123.4

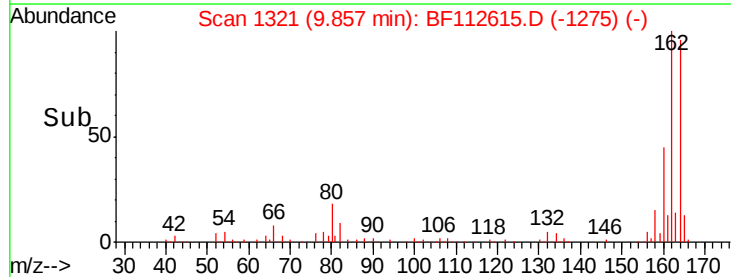
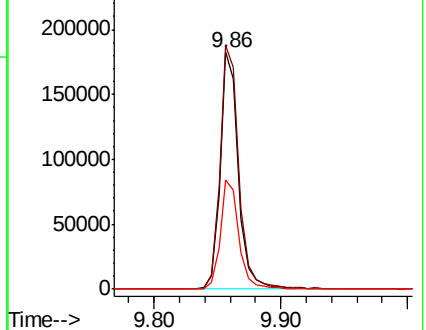
160 46.0 36.2 54.4



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: 13.131 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112615.D

Acq: 19 Feb 2019 12:29

Instrument :

BNA_F

ClientSampleId :

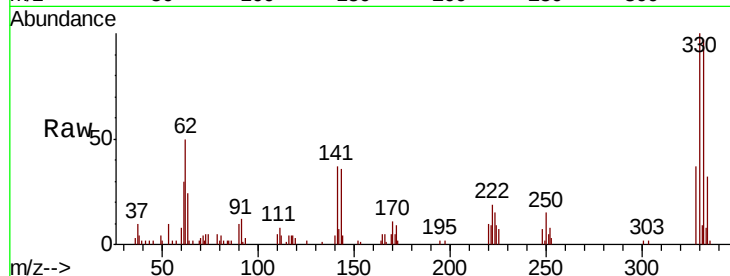
Tot Ion:330 Resp: 27951

Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

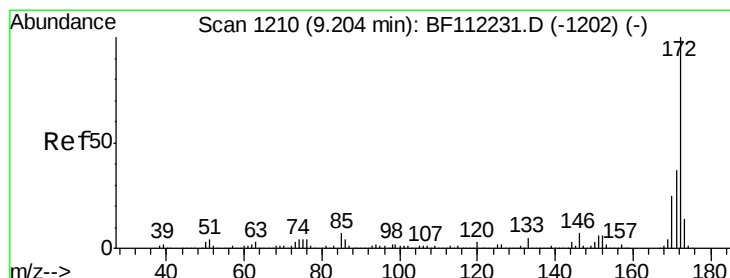
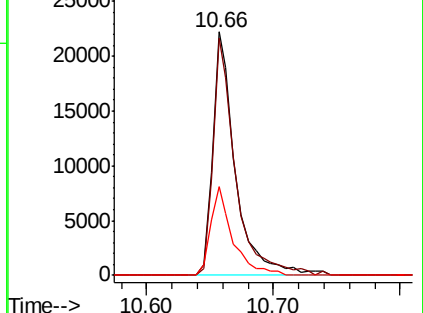
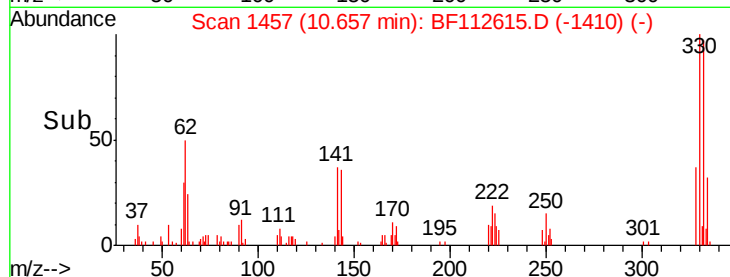
141 35.3 24.3 36.5



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: 65.895 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF112615.D

Acq: 19 Feb 2019 12:29

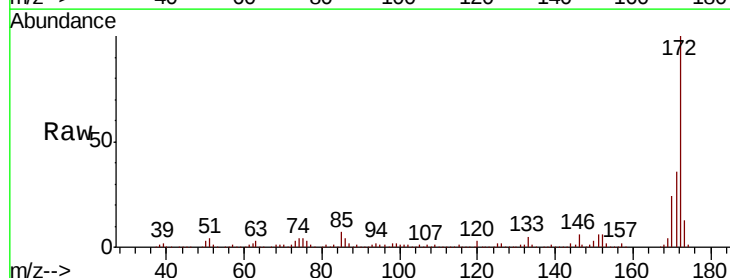
Tgt Ion:172 Resp: 852021

Ion Ratio Lower Upper

172 100

171 36.4 30.5 45.7

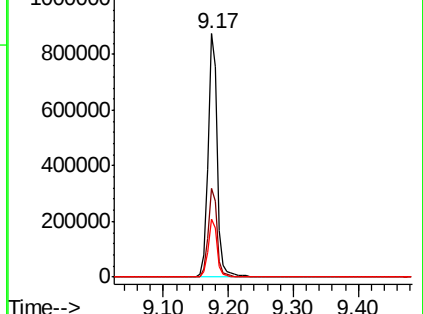
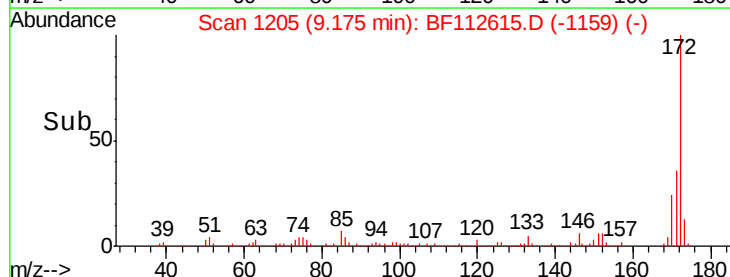
170 23.6 20.2 30.4

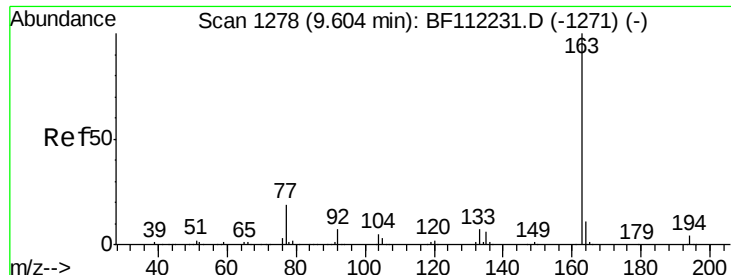


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

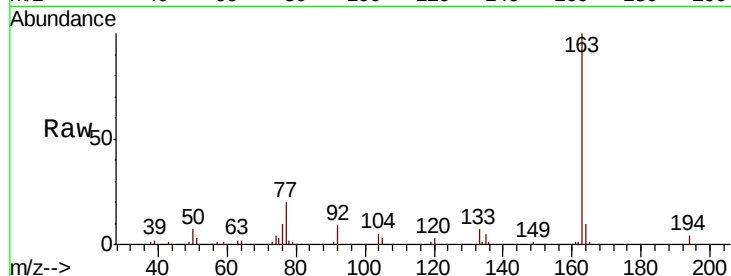




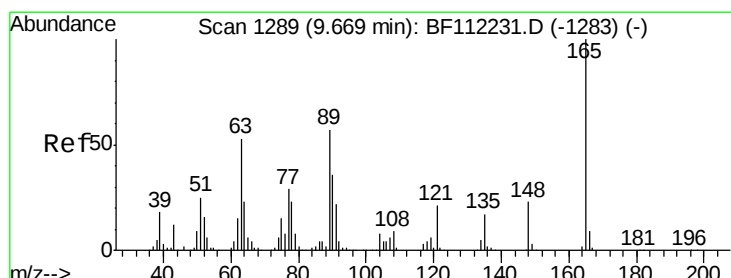
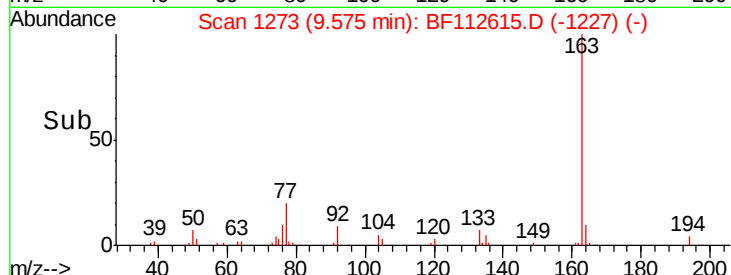
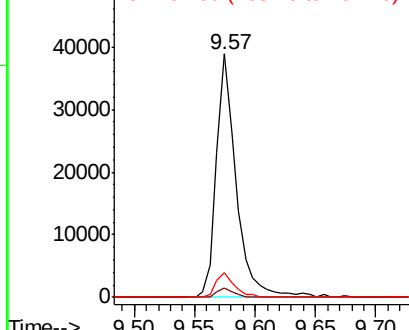
#50
Dimethylphthalate
Concen: 3.102 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF112615.D
Acq: 19 Feb 2019 12:29

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	10.0	8.5	12.7

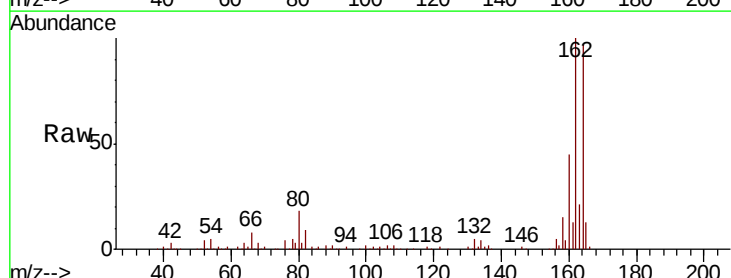


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

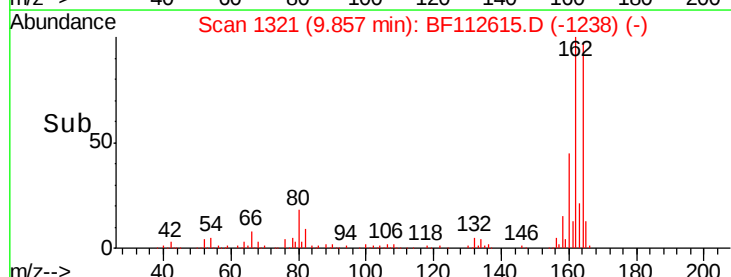
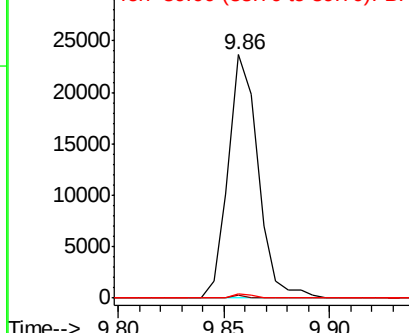


#51
2,6-Dinitrotoluene
Concen: 7.317 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.19 min
Lab File: BF112615.D
Acq: 19 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.8	50.8#
89	1.6	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

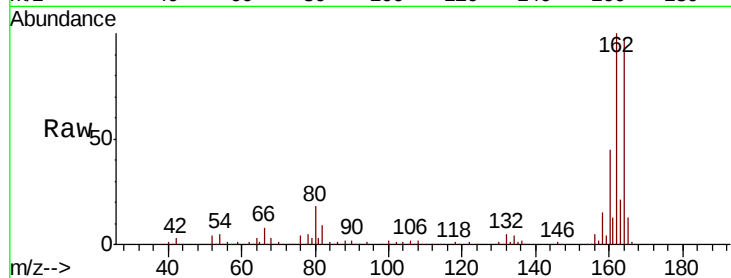




#57
 2,4-Dinitrotoluene
 Concen: 5.748 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.22 min
 Lab File: BF112615.D
 Acq: 19 Feb 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	27.9	41.9#
89	1.6	47.9	71.9#
182	0.0	2.2	3.4#

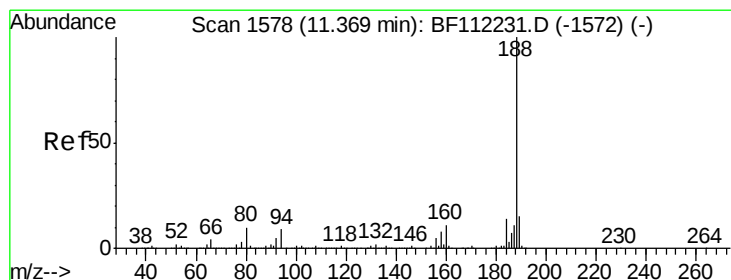
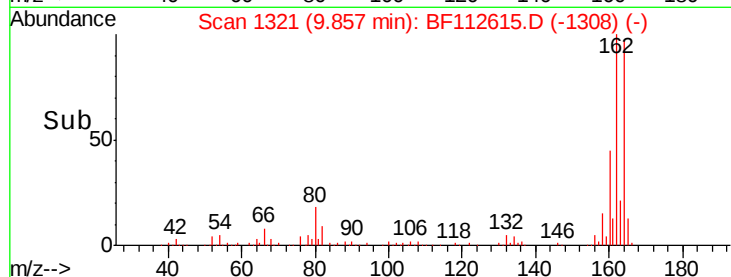
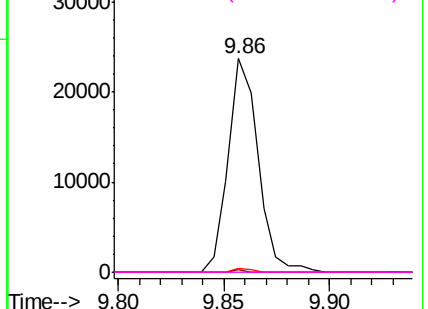


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

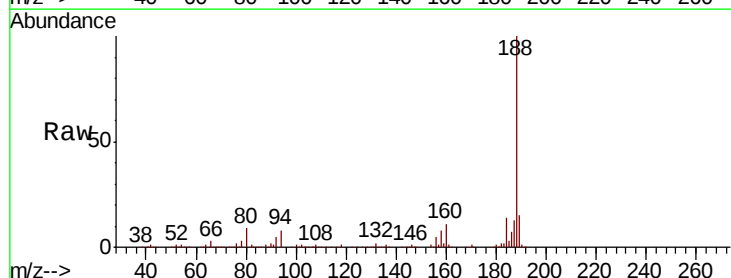
Ion 89.00 (88.70 to 89.70): BF1

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: BF112615.D
 Acq: 19 Feb 2019 12:29

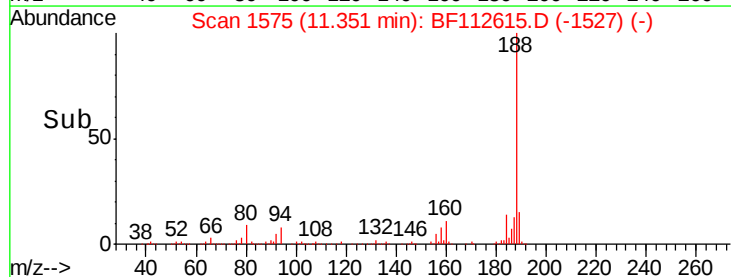
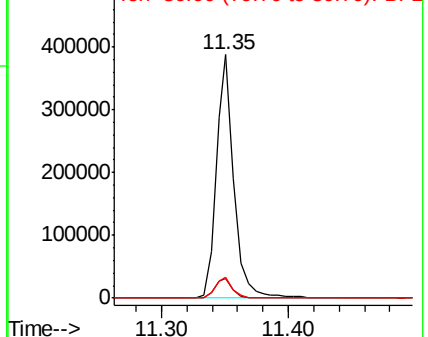
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.2	12.2#
80	8.8	8.9	13.3#

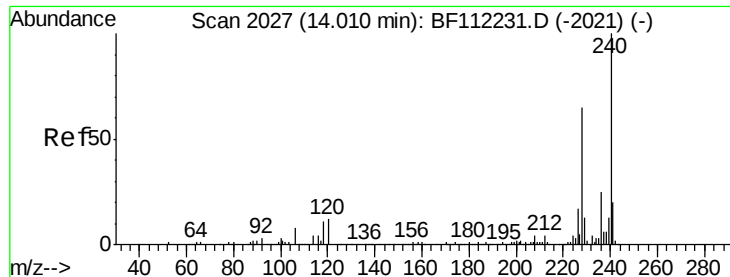


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112615.D

Acq: 19 Feb 2019 12:29

Instrument :

BNA_F

ClientSampleId :

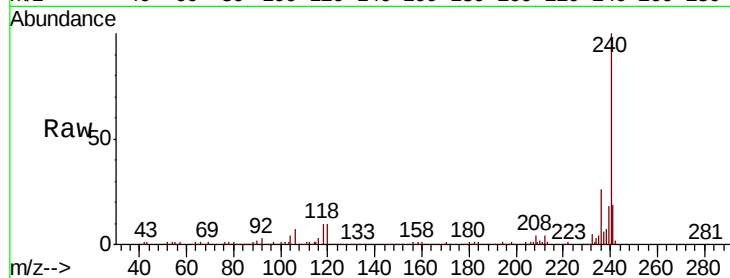
Tot Ion:240 Resp: 331818

Ion Ratio Lower Upper

240 100

120 10.1 9.0 13.6

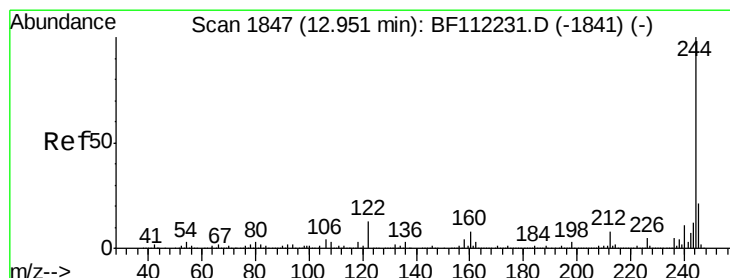
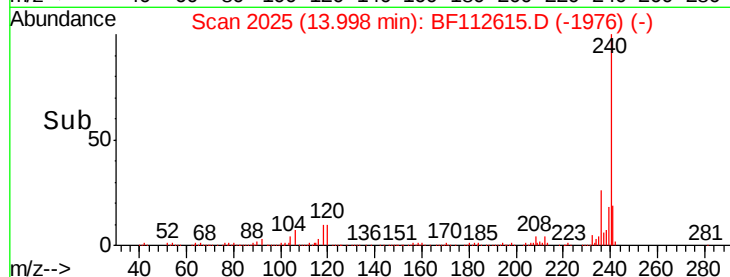
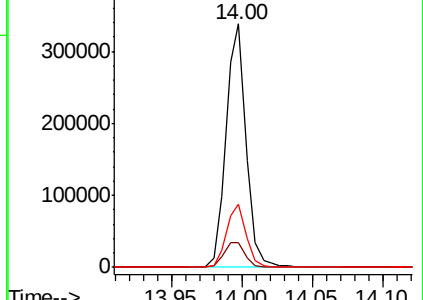
236 25.8 20.7 31.1



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: 60.744 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BF112615.D

Acq: 19 Feb 2019 12:29

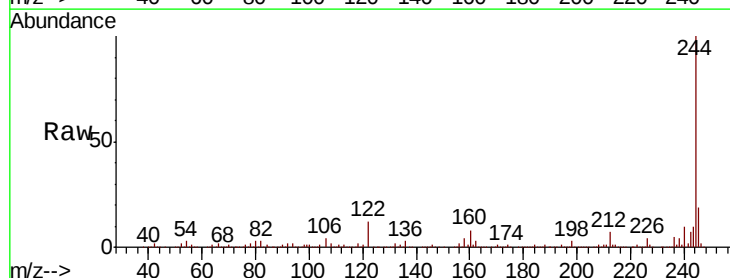
Tgt Ion:244 Resp: 1070171

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

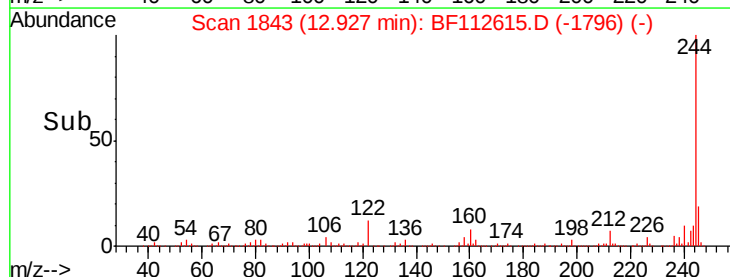
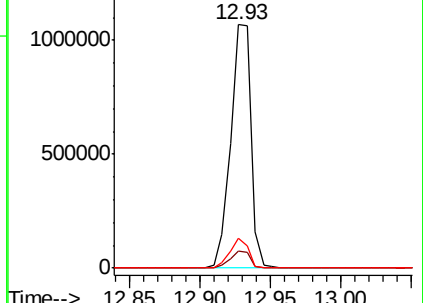
122 12.4 9.8 14.6

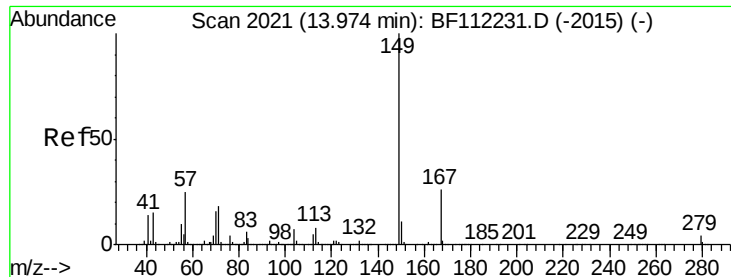


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.772 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF112615.D

Acq: 19 Feb 2019 12:29

Instrument :

BNA_F

ClientSampleId :

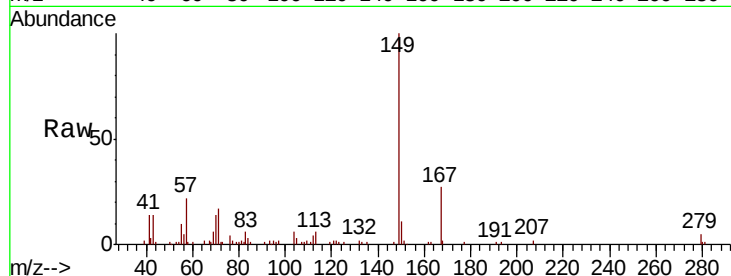
Tot Ion:149 Resp: 59506

Ion Ratio Lower Upper

149 100

167 26.8 22.5 33.7

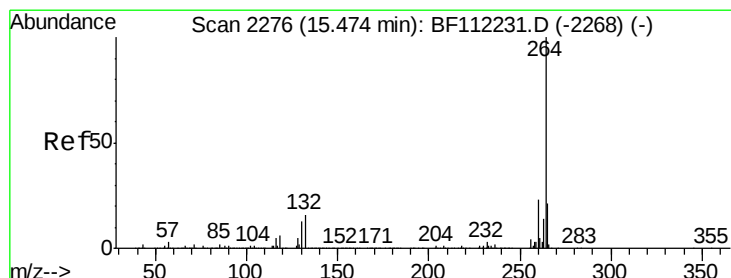
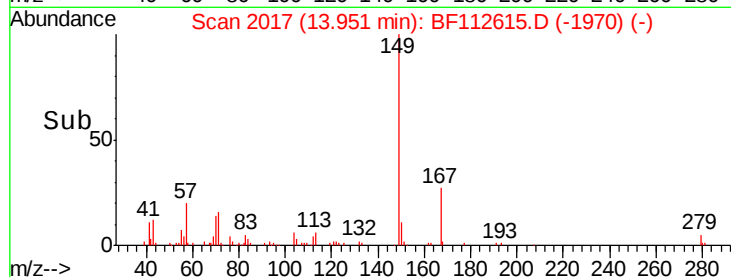
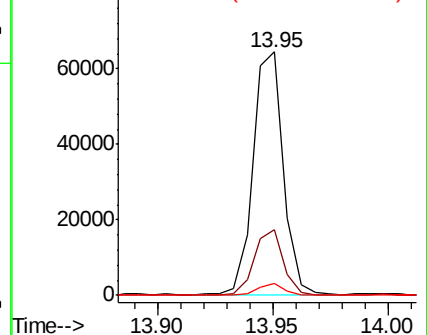
279 4.7 3.8 5.6



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

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112615.D

Acq: 19 Feb 2019 12:29

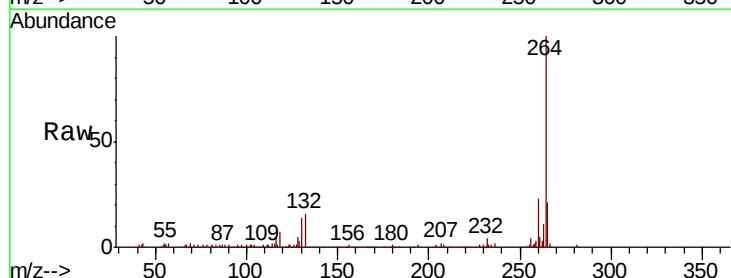
Tgt Ion:264 Resp: 280031

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.2

265 21.3 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

