

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012919\
 Data File : BF112291.D
 Acq On : 29 Jan 2019 13:25
 Operator : JU/SJ
 Sample : PB116683BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB116683BL

Quant Time: Jan 30 00:06:27 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

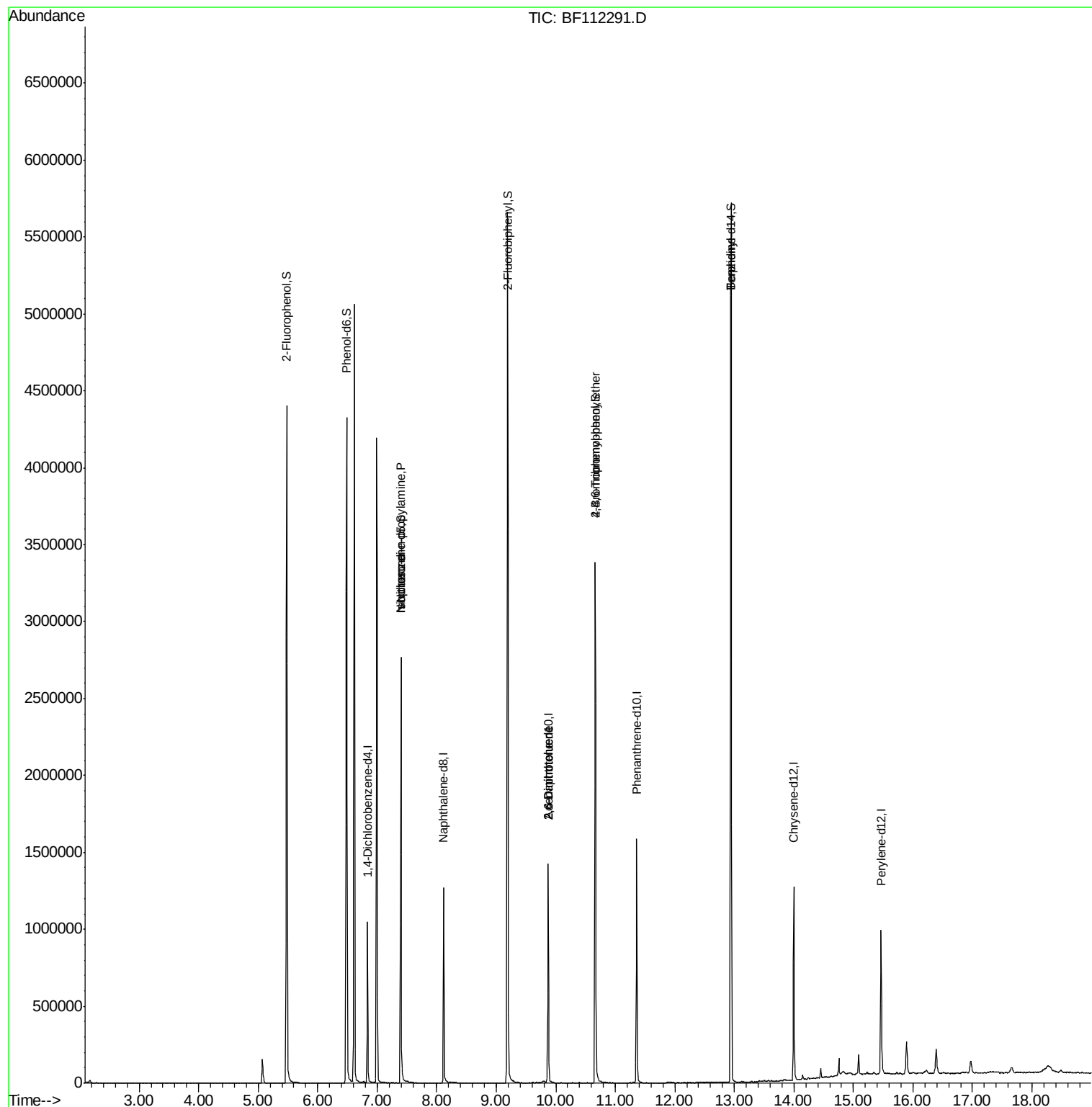
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	174026	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	661562	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	323410	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	636580	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	456229	20.00	ng	-0.01
87) Perylene-d12	15.46	264	395803	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1243473	151.77	ng	0.00
7) Phenol-d6	6.49	99	1528754	134.28	ng	0.00
23) Nitrobenzene-d5	7.40	82	984747	85.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	461901	122.70	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	2000055	87.47	ng	-0.01
79) Terphenyl-d14	12.94	244	2093565	86.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	132583	16.889	ng	# 76
25) Isophorone	7.40	82	984735	54.671	ng	# 64
51) 2,6-Dinitrotoluene	9.87	165	41378	7.353	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	41378	5.776	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	27729	3.704	ng	# 1
77) Benzidine	12.94	184	27988	2.229	ng	# 96

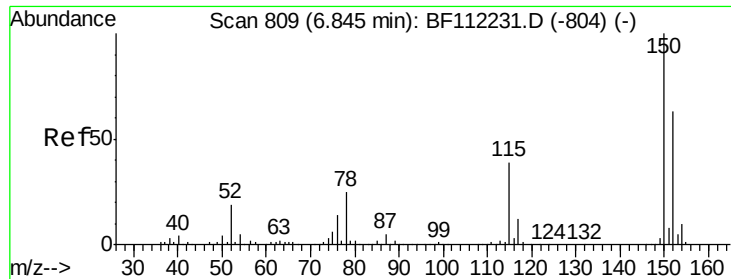
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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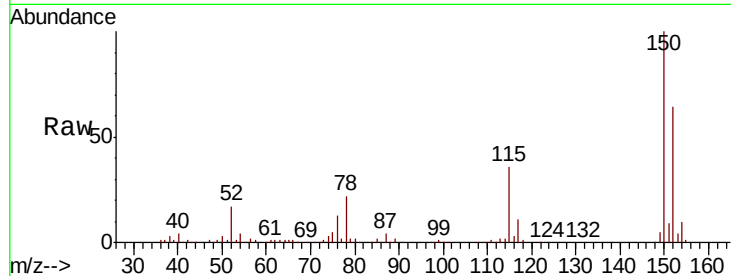


#1

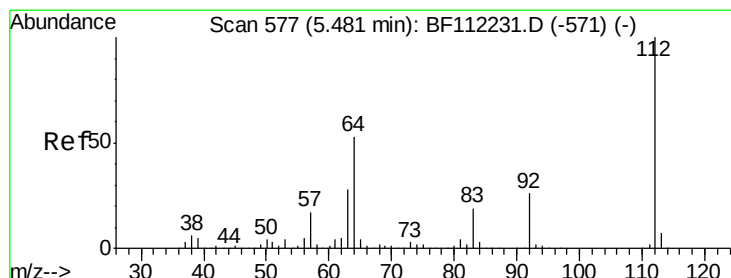
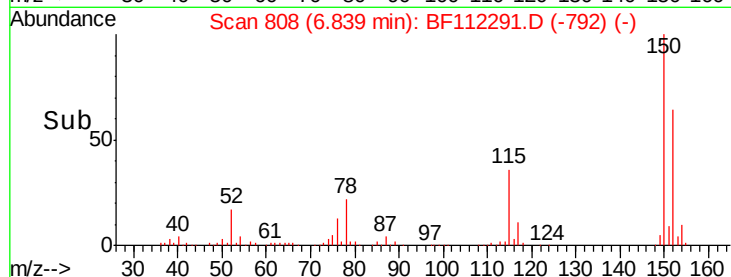
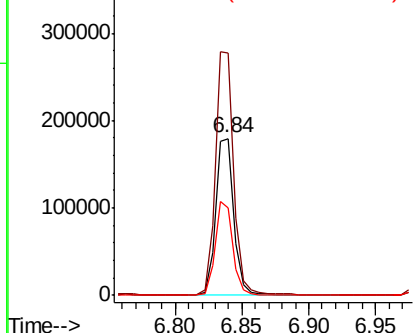
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF112291.D
 Acq: 29 Jan 2019 13:25

Instrument :
 BNA_F
 ClientSampleId :
 PB116683BL

Tgt Ion:152 Resp: 174026
 Ion Ratio Lower Upper
 152 100
 150 155.1 127.4 191.0
 115 55.9 45.5 68.3



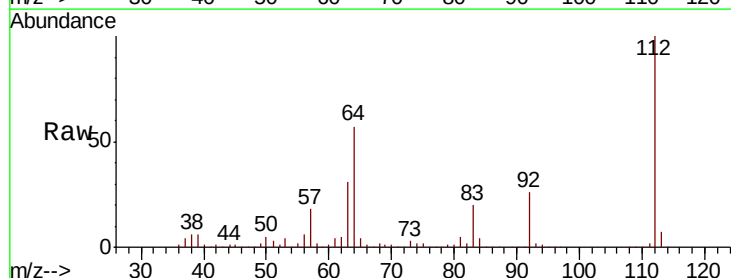
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



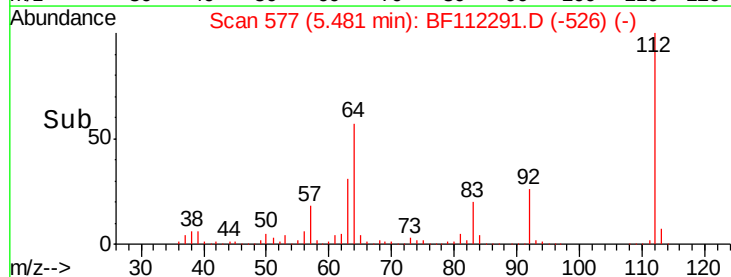
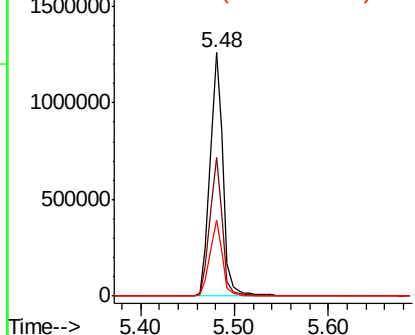
#5

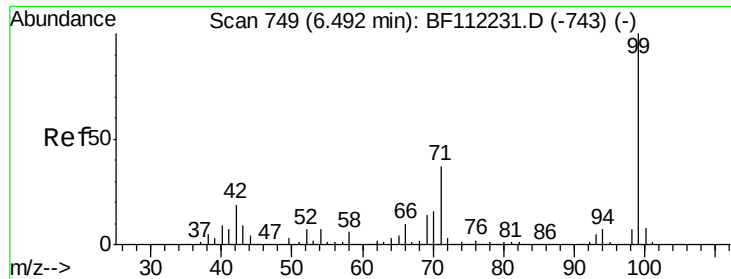
2-Fluorophenol
 Concen: 151.771 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF112291.D
 Acq: 29 Jan 2019 13:25

Tgt Ion:112 Resp: 1243473
 Ion Ratio Lower Upper
 112 100
 64 56.8 45.7 68.5
 63 31.1 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: 134.282 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112291.D

Acq: 29 Jan 2019 13:25

Instrument :

BNA_F

ClientSampleId :

PB116683BL

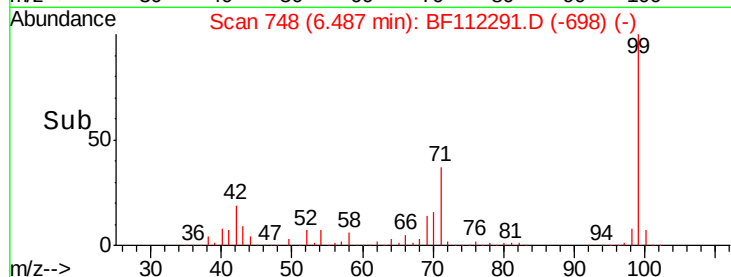
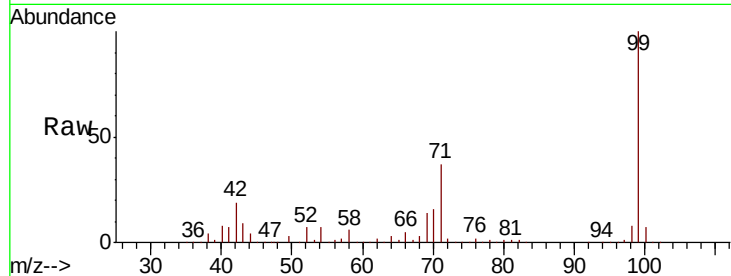
Tgt Ion: 99 Resp: 1528754

Ion Ratio Lower Upper

99 100

42 19.1 15.1 22.7

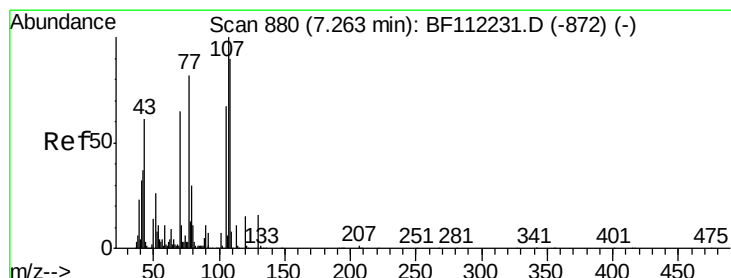
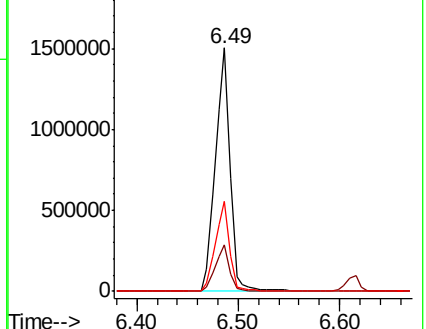
71 36.9 26.9 40.3



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: 16.889 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112291.D

Acq: 29 Jan 2019 13:25

Tgt Ion: 70 Resp: 132583

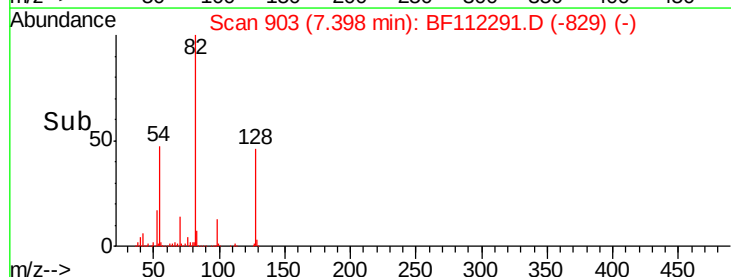
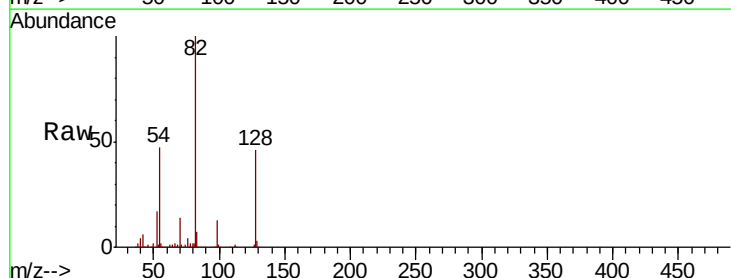
Ion Ratio Lower Upper

70 100

42 47.4 47.6 71.4#

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#

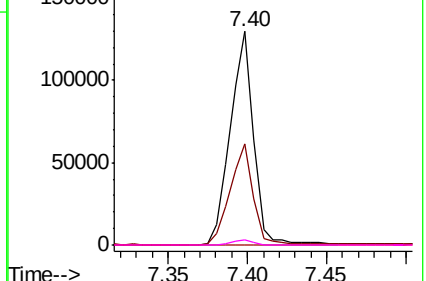


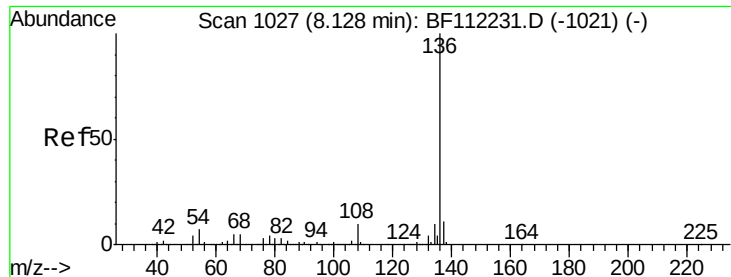
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

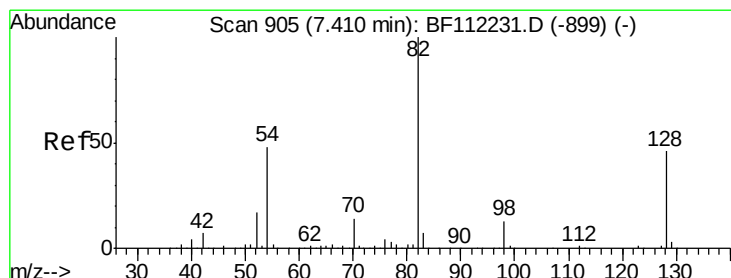
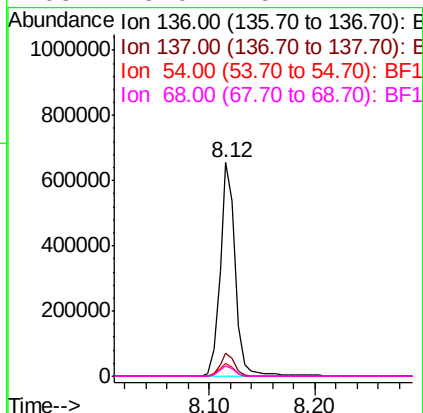
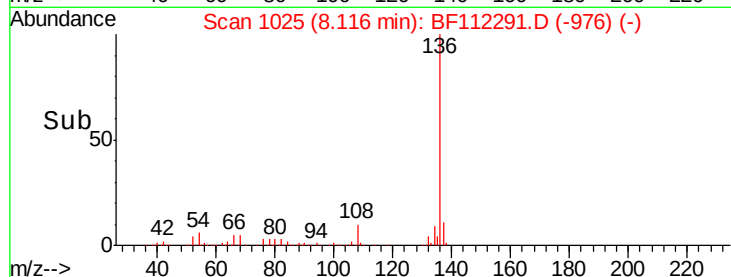
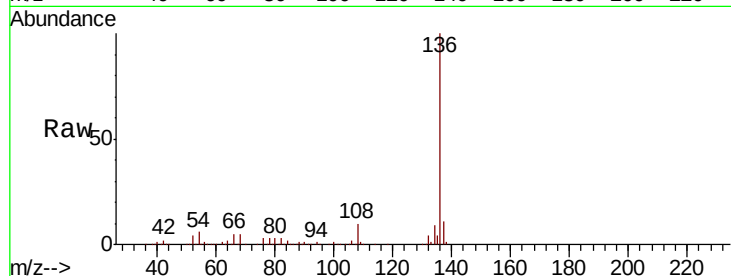




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112291.D
Acq: 29 Jan 2019 13:25

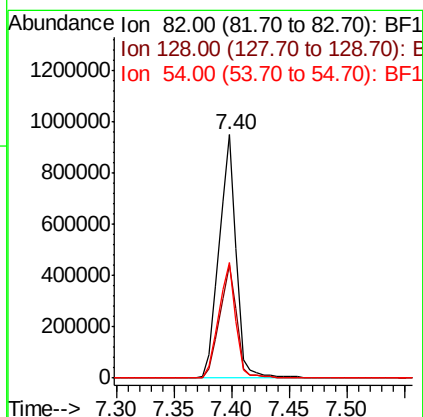
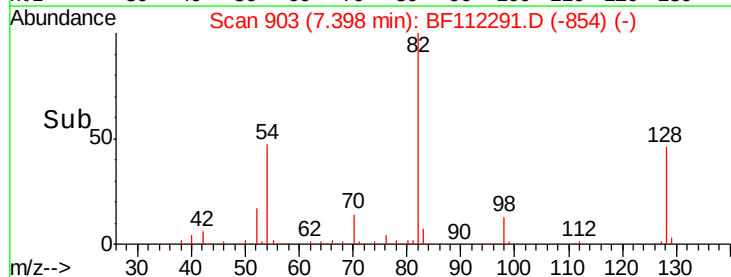
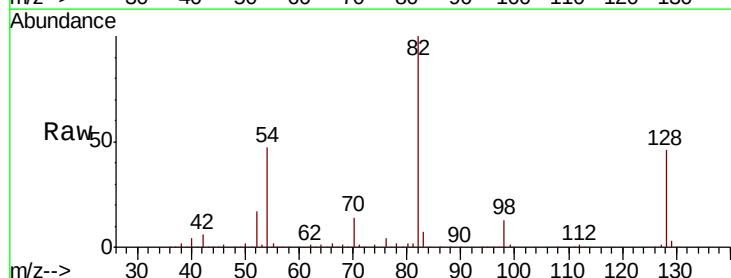
Instrument :
BNA_F
ClientSampleId :
PB116683BL

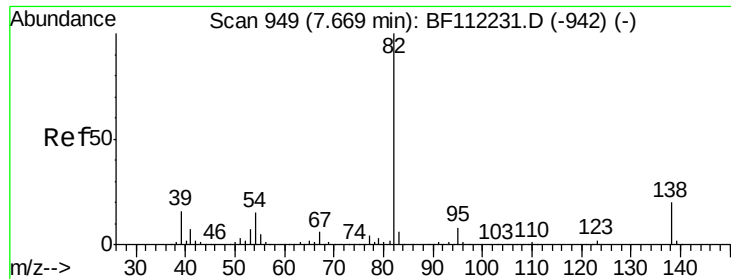
Tgt Ion:	136	Resp:	661562
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.1	5.9	8.9
68	5.0	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 85.768 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112291.D
Acq: 29 Jan 2019 13:25

Tgt Ion:	82	Resp:	984747
Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.8	56.8
54	47.4	39.7	59.5





#25

Isophorone

Concen: 54.671 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112291.D

Acq: 29 Jan 2019 13:25

Instrument :

BNA_F

ClientSampleId :

PB116683BL

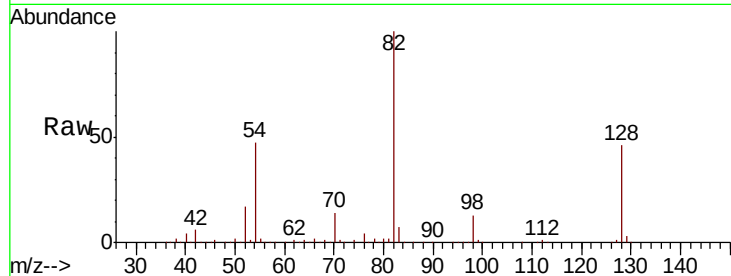
Tgt Ion: 82 Resp: 984735

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

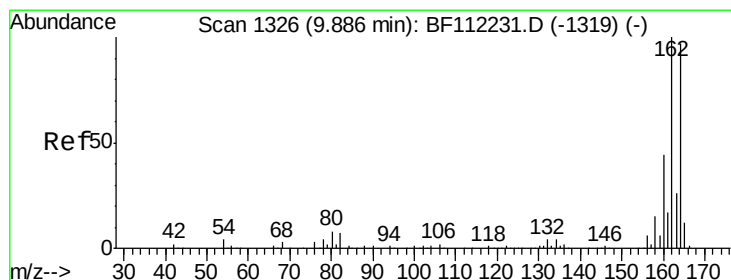
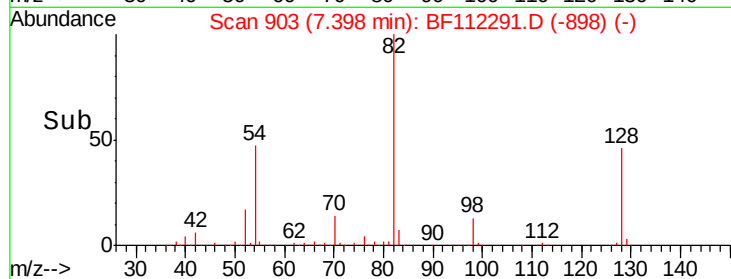
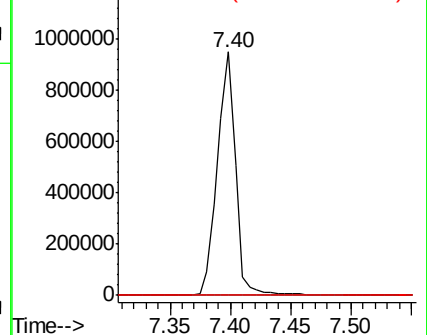
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112291.D

Acq: 29 Jan 2019 13:25

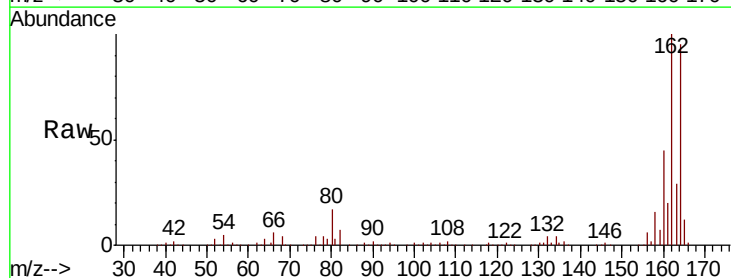
Tgt Ion: 164 Resp: 323410

Ion Ratio Lower Upper

164 100

162 105.2 82.2 123.4

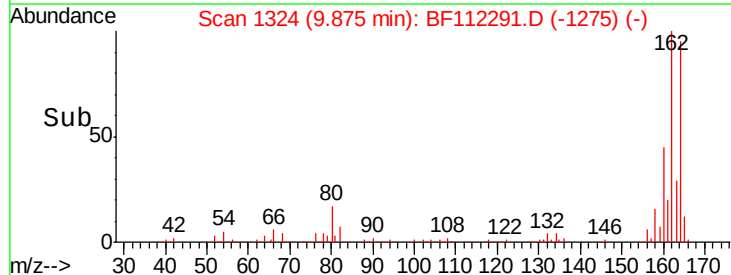
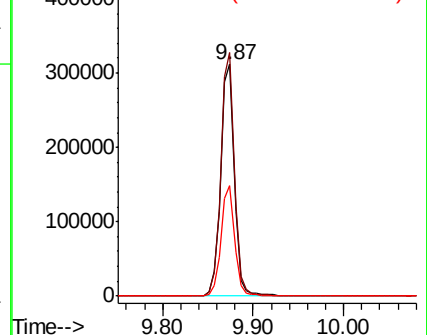
160 47.7 36.2 54.4

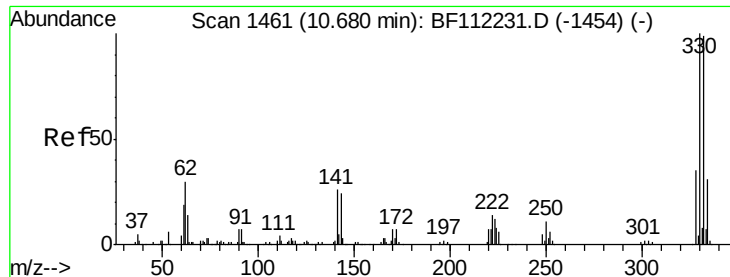


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

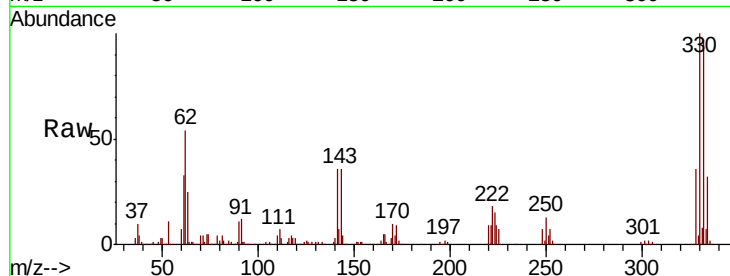




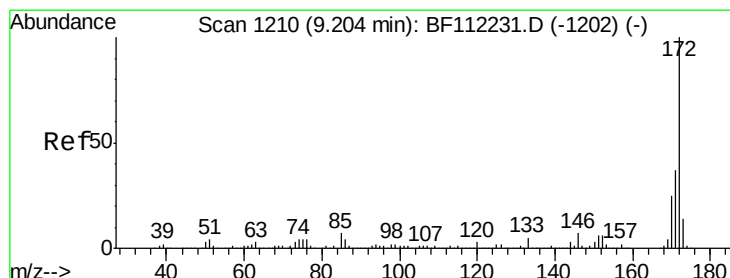
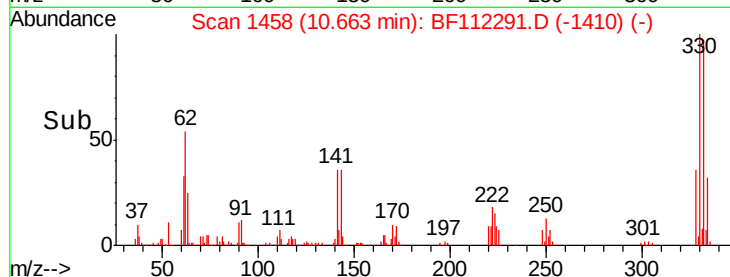
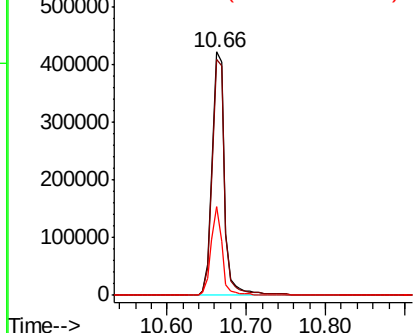
#42
 2,4,6-Tribromophenol
 Concen: 122.702 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112291.D
 Acq: 29 Jan 2019 13:25

Instrument :
 BNA_F
 ClientSampled :
 PB116683BL

Tgt Ion:330 Resp: 461901
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 32.5 24.3 36.5

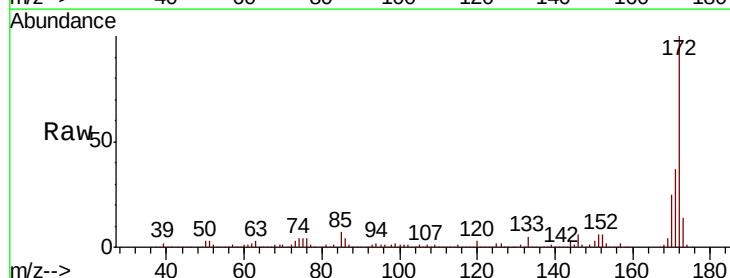


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

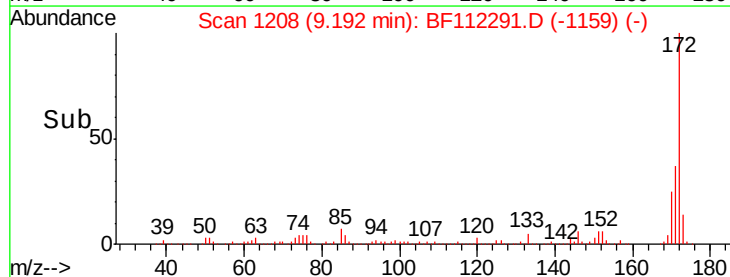
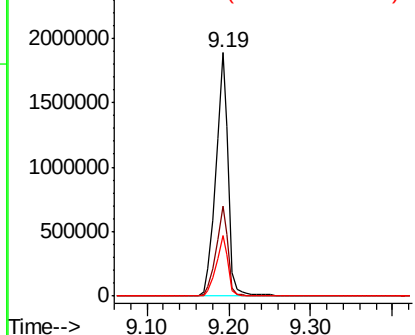


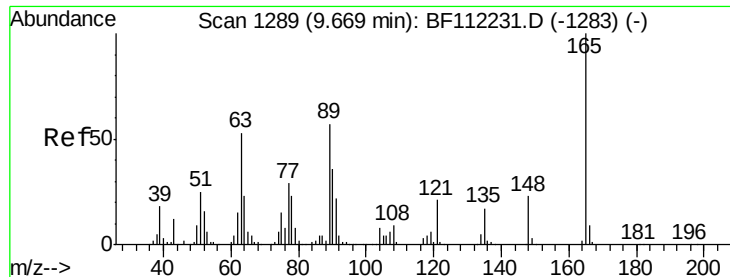
#45
 2-Fluorobiphenyl
 Concen: 87.466 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112291.D
 Acq: 29 Jan 2019 13:25

Tgt Ion:172 Resp: 2000055
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.5 45.7
 170 24.6 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





#51

2,6-Dinitrotoluene

Concen: 7.353 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF112291.D

Acq: 29 Jan 2019 13:25

Instrument :

BNA_F

ClientSampleId :

PB116683BL

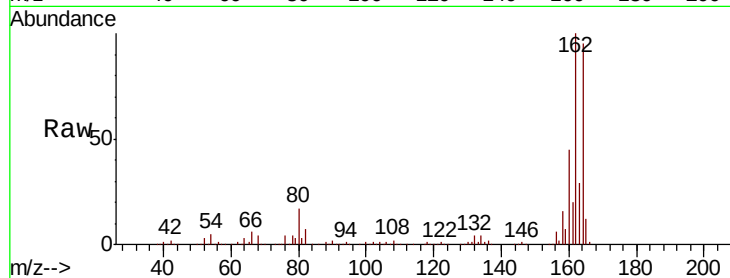
Tgt Ion:165 Resp: 41378

Ion Ratio Lower Upper

165 100

63 1.5 33.8 50.8#

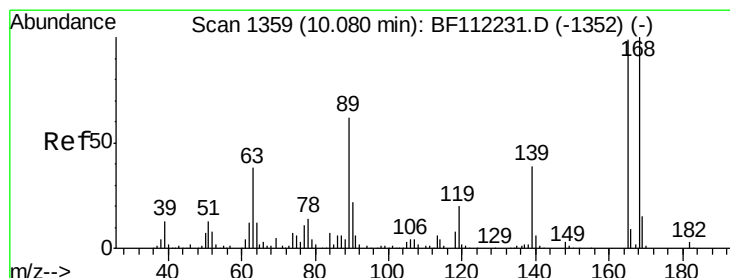
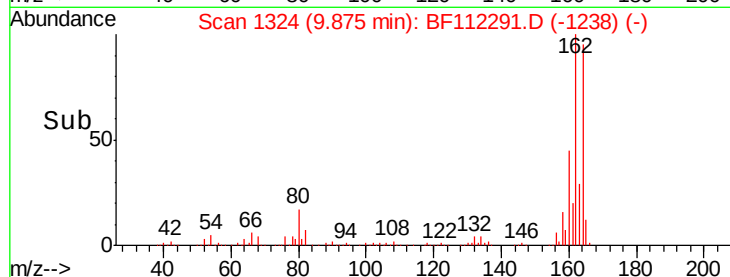
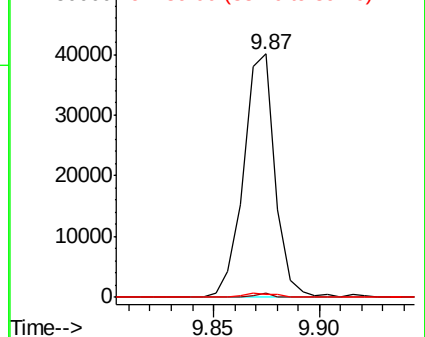
89 1.5 36.9 55.3#



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: 5.776 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112291.D

Acq: 29 Jan 2019 13:25

Tgt Ion:165 Resp: 41378

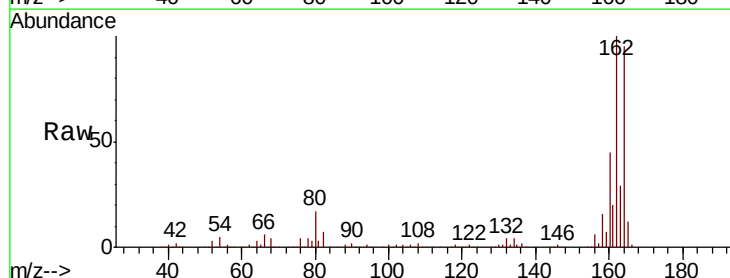
Ion Ratio Lower Upper

165 100

63 1.5 27.9 41.9#

89 1.5 47.9 71.9#

182 0.0 2.2 3.4#

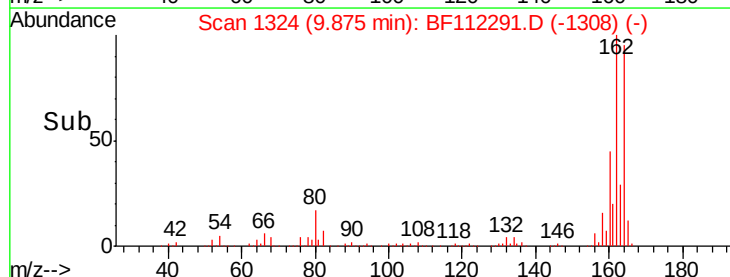
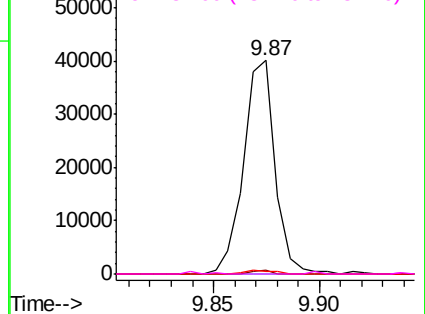


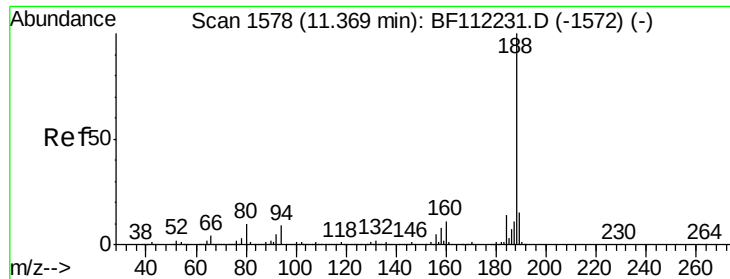
Abundance Ion 165.00 (164.70 to 165.70): E

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

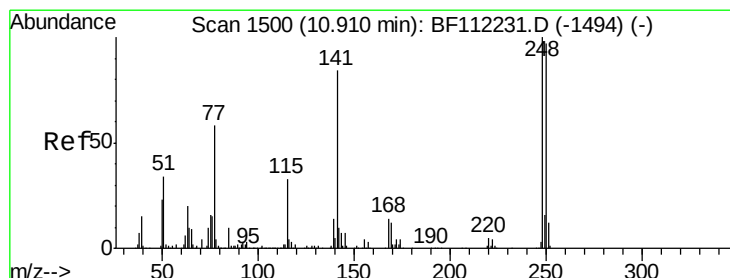
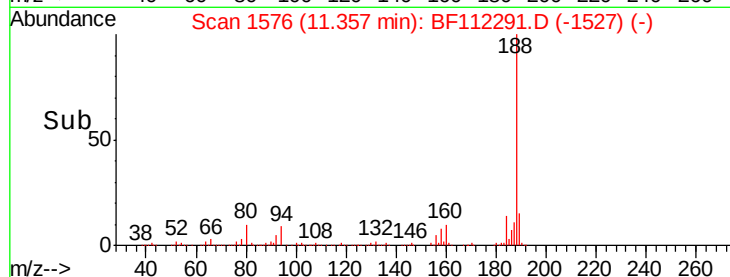
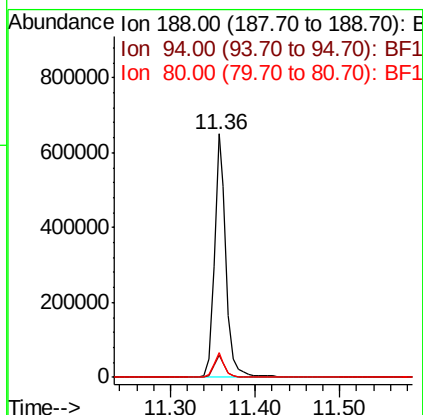
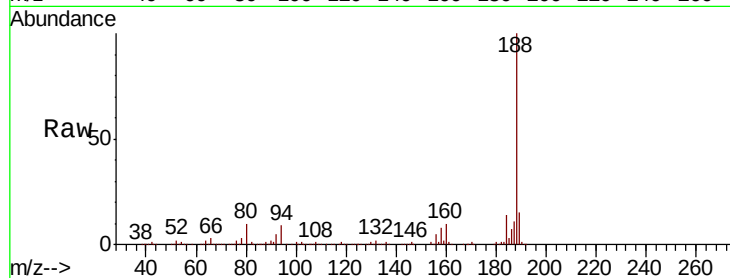




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112291.D
Acq: 29 Jan 2019 13:25

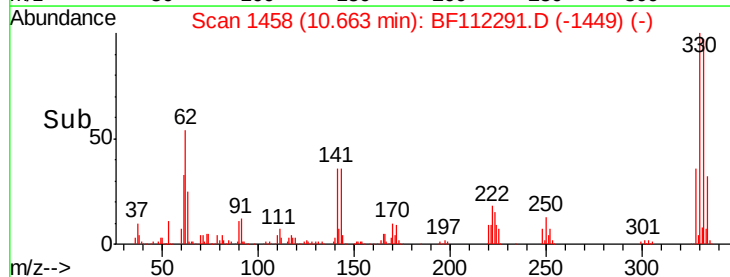
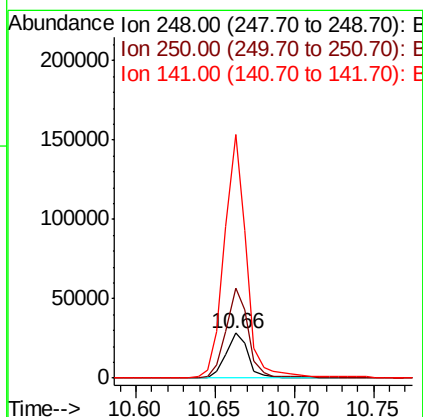
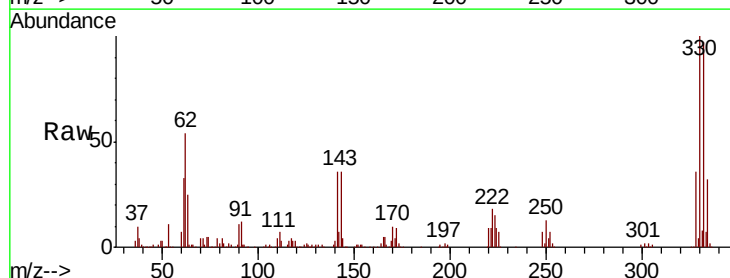
Instrument :
BNA_F
ClientSampleId :
PB116683BL

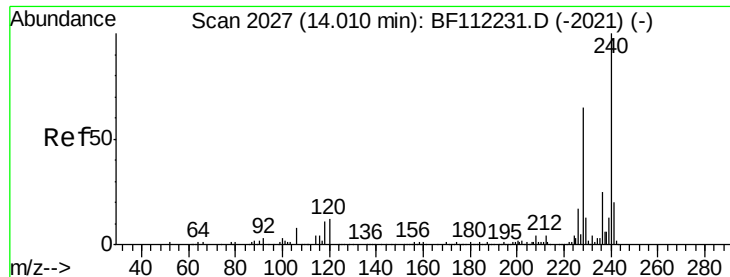
Tgt Ion:188 Resp: 636580
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.2
80 10.1 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.704 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112291.D
Acq: 29 Jan 2019 13:25

Tgt Ion:248 Resp: 27729
Ion Ratio Lower Upper
248 100
250 199.7 79.7 119.5#
141 539.2 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: BF112291.D

Acq: 29 Jan 2019 13:25

Instrument :

BNA_F

ClientSampleId :

PB116683BL

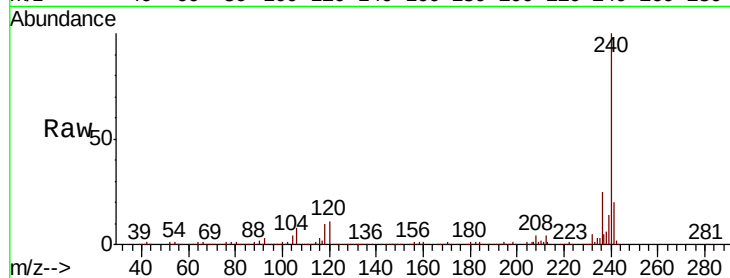
Tgt Ion:240 Resp: 456229

Ion Ratio Lower Upper

240 100

120 11.0 9.0 13.6

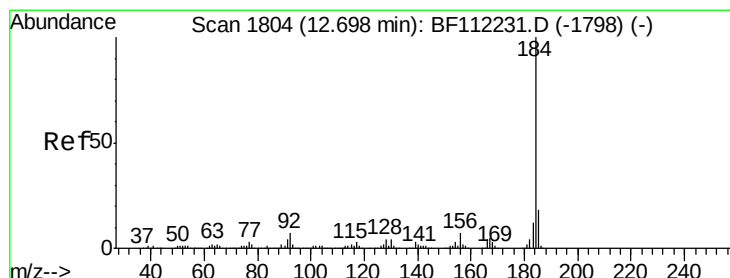
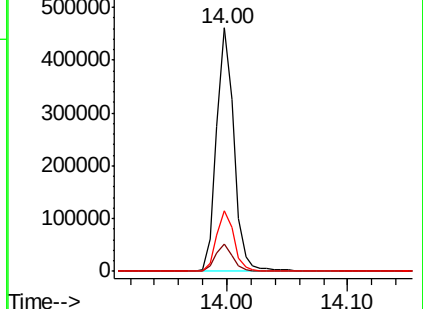
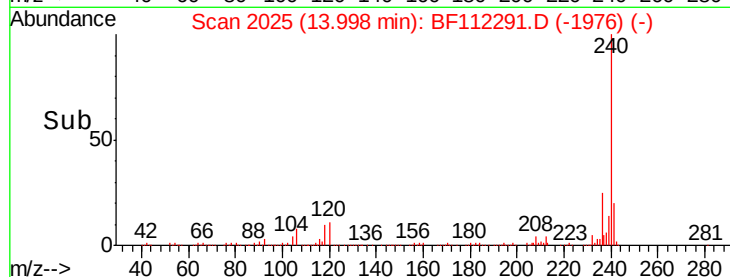
236 25.0 20.7 31.1



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: 2.229 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.25 min

Lab File: BF112291.D

Acq: 29 Jan 2019 13:25

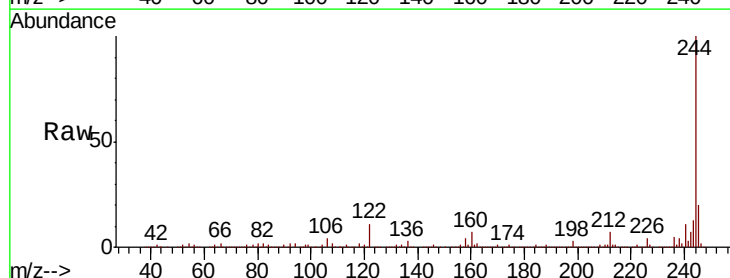
Tgt Ion:184 Resp: 27988

Ion Ratio Lower Upper

184 100

185 16.3 13.9 20.9

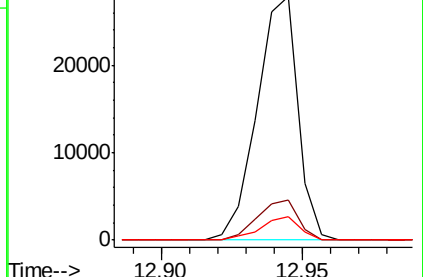
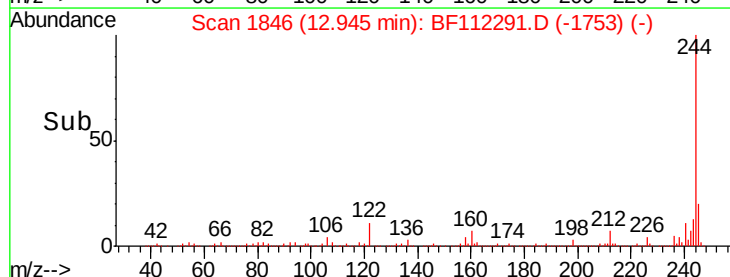
183 9.9 10.0 15.0#

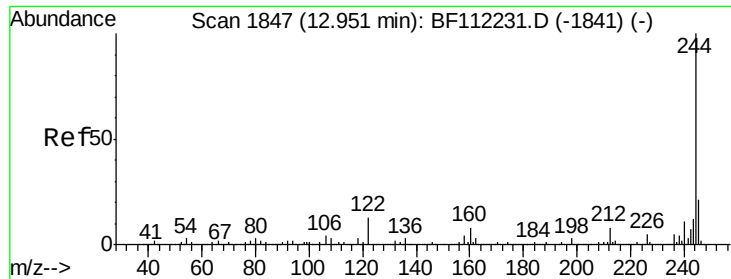


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 86.428 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112291.D

Acq: 29 Jan 2019 13:25

Instrument :

BNA_F

ClientSampleId :

PB116683BL

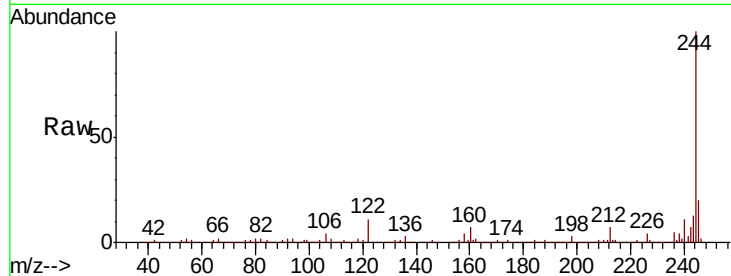
Tgt Ion:244 Resp: 2093565

Ion Ratio Lower Upper

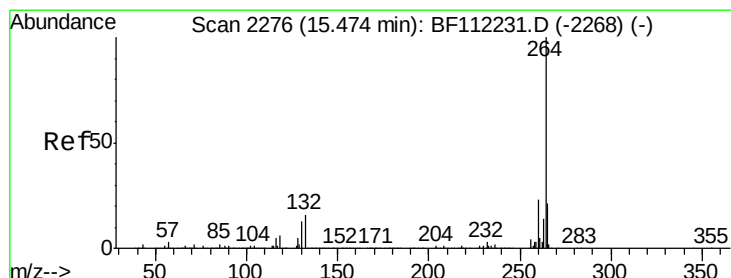
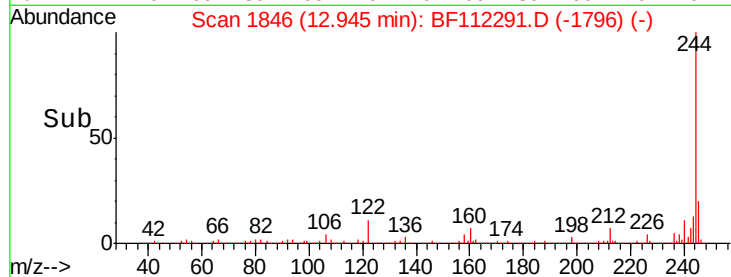
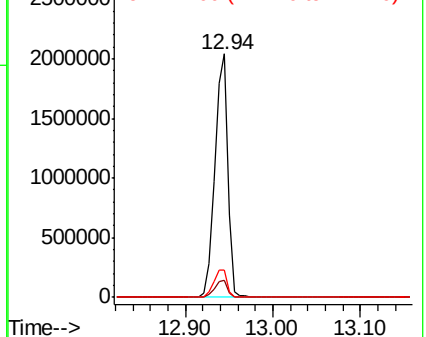
244 100

212 7.2 5.9 8.9

122 11.3 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: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF112291.D

Acq: 29 Jan 2019 13:25

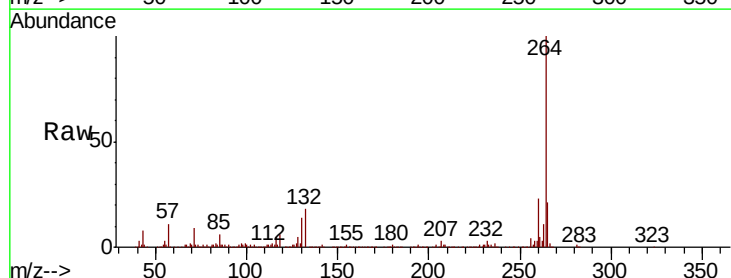
Tgt Ion:264 Resp: 395803

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.2

265 21.4 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

