

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012819\
 Data File : BF112278.D
 Acq On : 28 Jan 2019 16:53
 Operator : JU/SJ
 Sample : K1011-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-012519-B

Quant Time: Jan 28 17:42:16 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

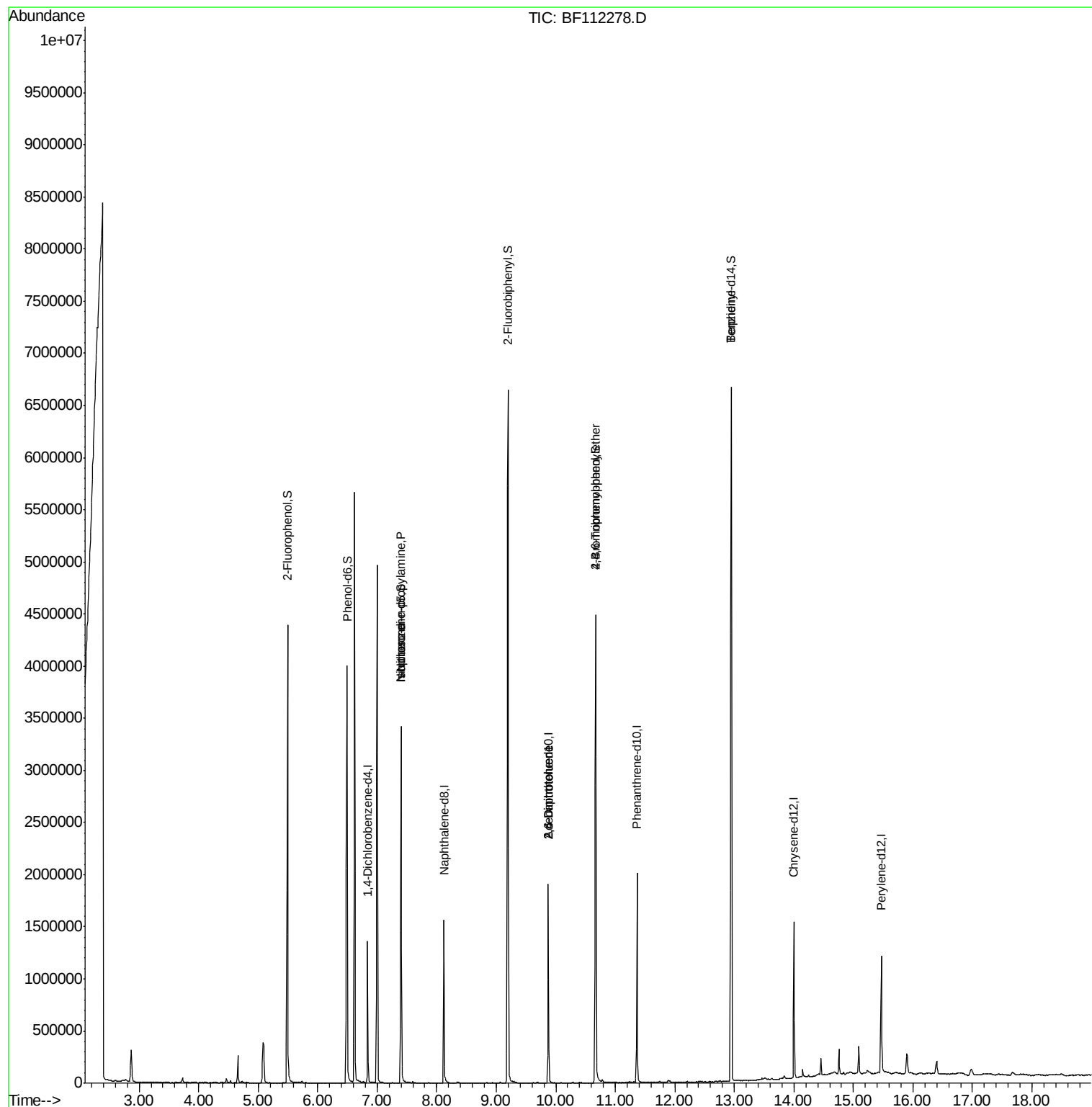
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	195624	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	757082	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	378599	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	753392	20.00	ng	0.00
76) Chrysene-d12	14.00	240	564698	20.00	ng	0.00
87) Perylene-d12	15.47	264	438775	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1306670	141.88	ng	0.01
7) Phenol-d6	6.49	99	1474171	115.19	ng	0.00
23) Nitrobenzene-d5	7.40	82	1191835	90.71	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	634156	143.90	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	2370262	88.55	ng	0.00
79) Terphenyl-d14	12.95	244	2619612	87.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	161383	18.288	ng	# 75
25) Isophorone	7.40	82	1185609	57.518	ng	# 64
51) 2,6-Dinitrotoluene	9.87	165	48962	7.432	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	48962	5.838	ng	# 31
67) 4-Bromophenyl-phenylether	10.67	248	38845	4.384	ng	# 1
77) Benzidine	12.94	184	36538	2.351	ng	# 96

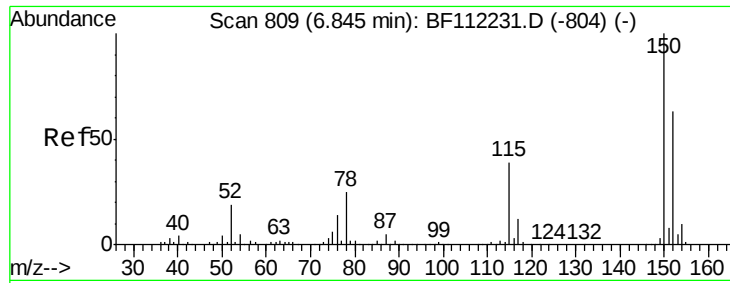
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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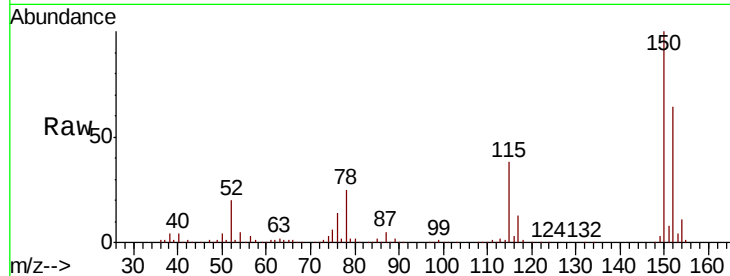


#1

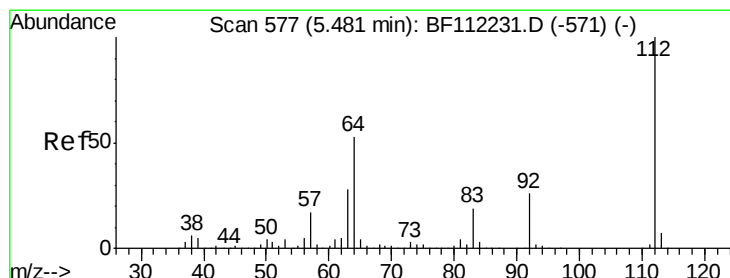
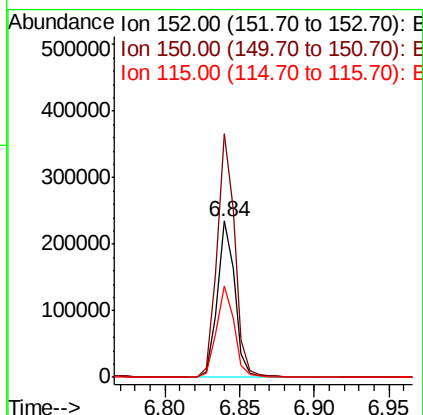
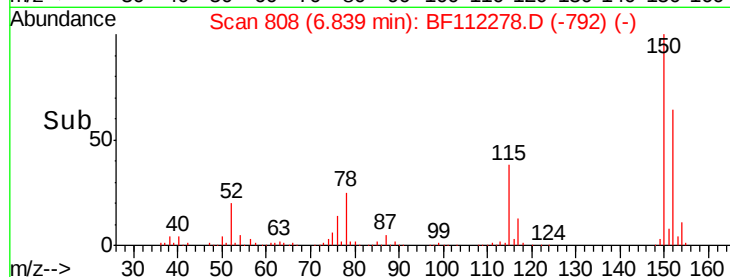
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF112278.D
 Acq: 28 Jan 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-012519-B

Tot Ion:152 Resp: 195624
 Ion Ratio Lower Upper
 152 100
 150 156.0 127.4 191.0
 115 58.8 45.5 68.3



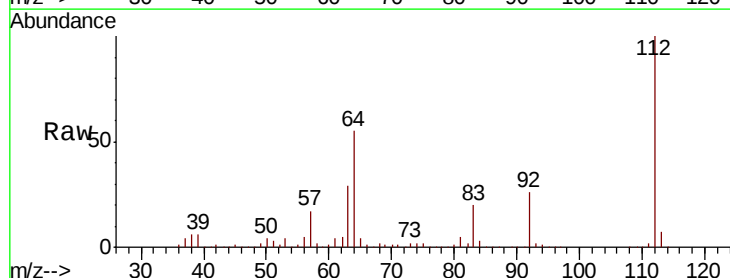
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



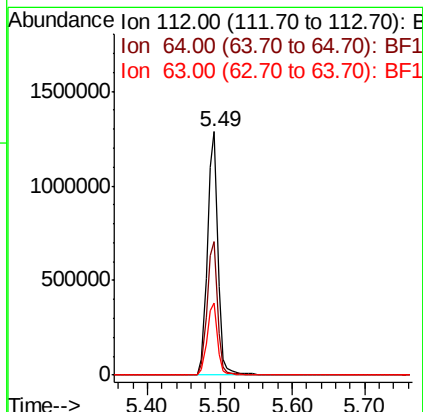
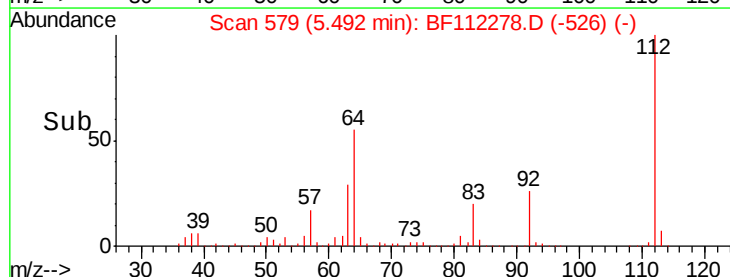
#5

2-Fluorophenol
 Concen: 141.877 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF112278.D
 Acq: 28 Jan 2019 16:53

Tgt Ion:112 Resp: 1306670
 Ion Ratio Lower Upper
 112 100
 64 54.9 45.7 68.5
 63 29.4 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: 115.191 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112278.D

Acq: 28 Jan 2019 16:53

Instrument :

BNA_F

ClientSampleId :

OR-01-012519-B

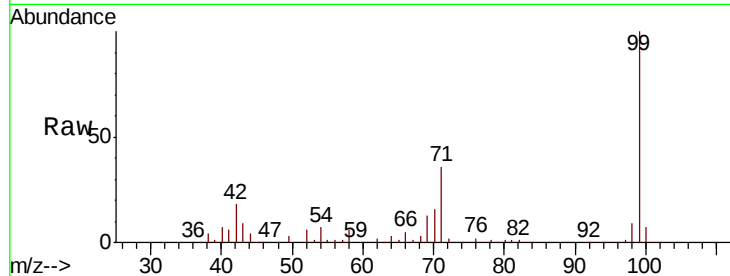
Tot Ion: 99 Resp: 1474171

Ion Ratio Lower Upper

99 100

42 18.1 15.1 22.7

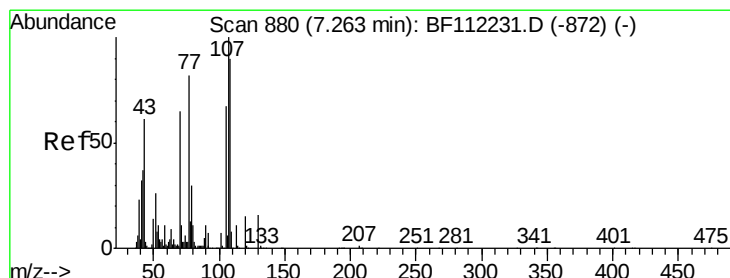
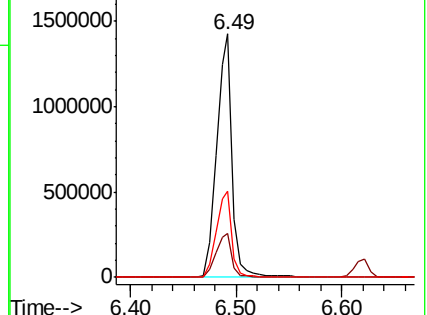
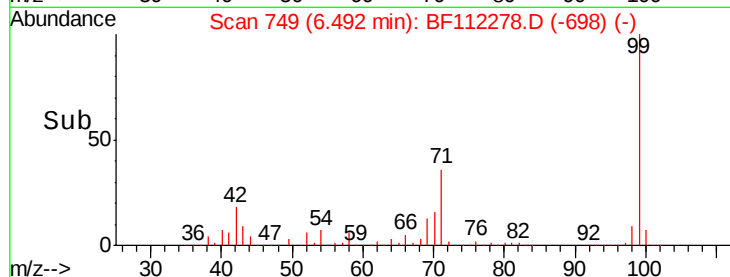
71 35.5 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.288 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF112278.D

Acq: 28 Jan 2019 16:53

Tgt Ion: 70 Resp: 161383

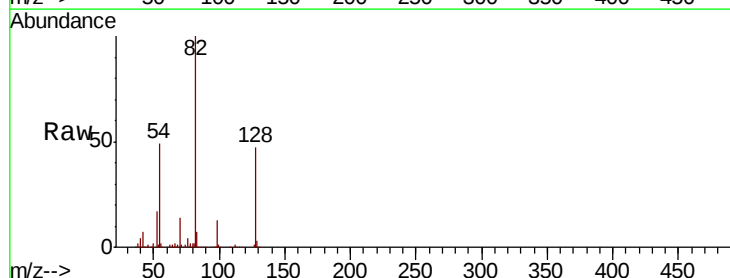
Ion Ratio Lower Upper

70 100

42 46.5 47.6 71.4#

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

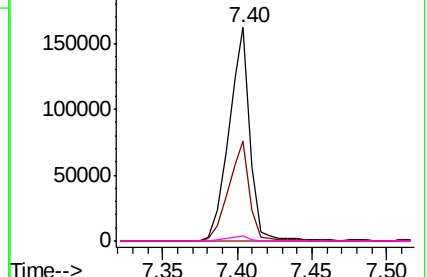
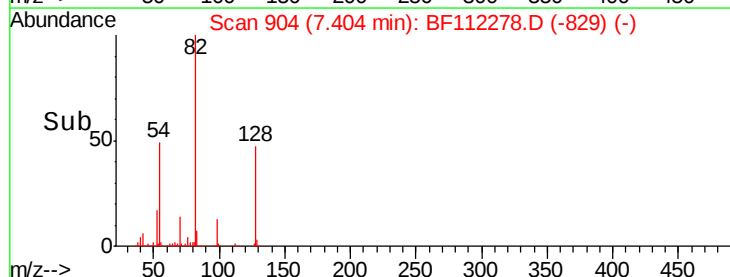


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1026

Delta R.T. -0.01 min

Lab File: BF112278.D

Acq: 28 Jan 2019 16:53

Instrument :

BNA_F

ClientSampleId :

OR-01-012519-B

Tot Ion:136 Resp: 757082

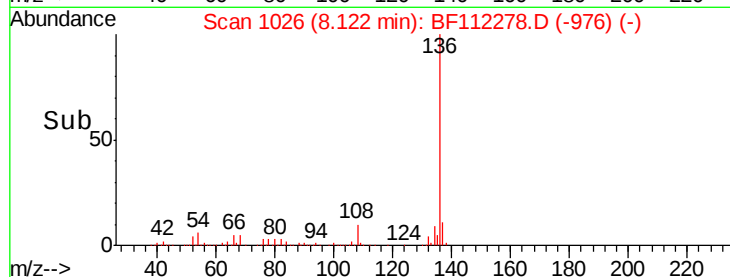
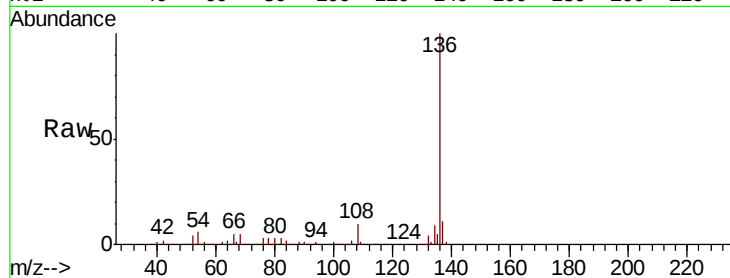
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 5.9 5.9 8.9

68 4.7 5.1 7.7#

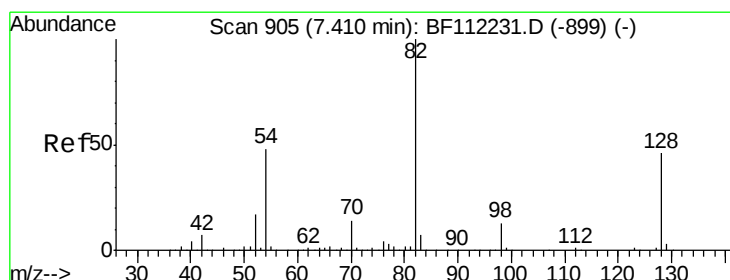
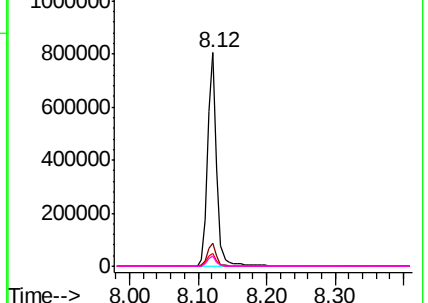


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.708 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF112278.D

Acq: 28 Jan 2019 16:53

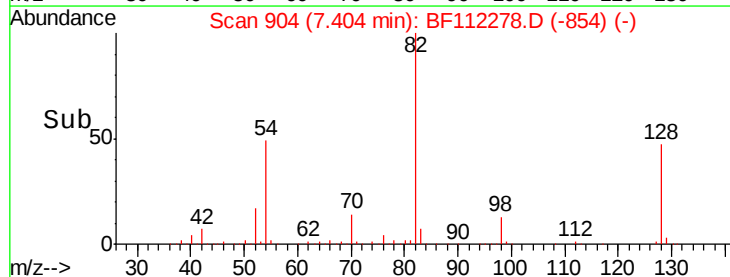
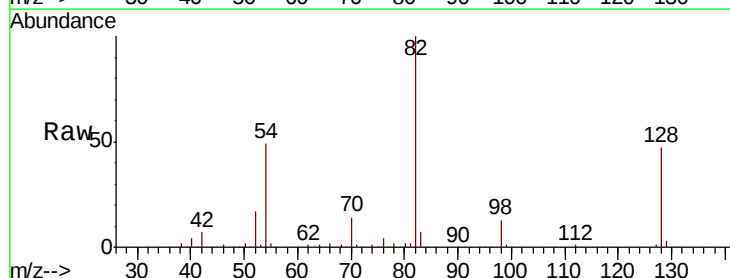
Tgt Ion: 82 Resp: 1191835

Ion Ratio Lower Upper

82 100

128 47.3 37.8 56.8

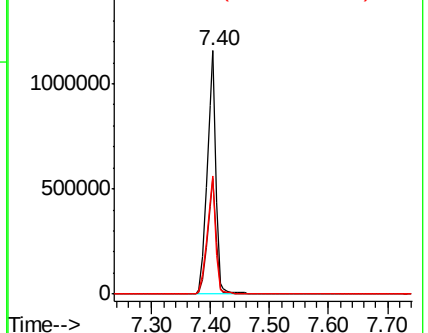
54 48.6 39.7 59.5

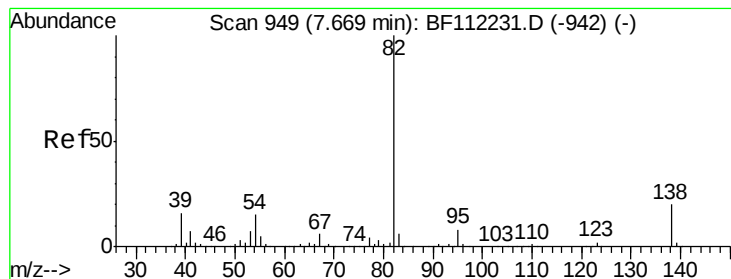


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 57.518 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF112278.D

Acq: 28 Jan 2019 16:53

Instrument :

BNA_F

ClientSampleId :

OR-01-012519-B

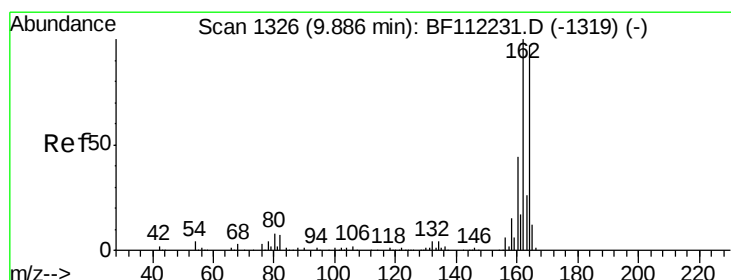
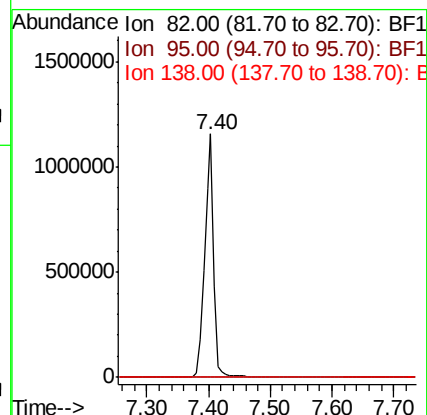
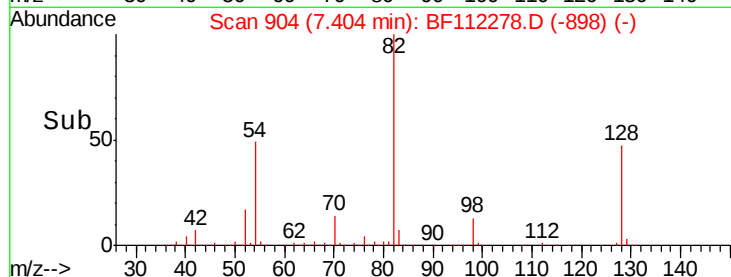
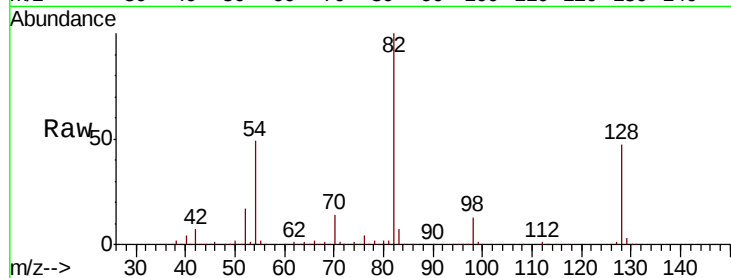
Tot Ion: 82 Resp: 1185609

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# 1324

Delta R.T. -0.01 min

Lab File: BF112278.D

Acq: 28 Jan 2019 16:53

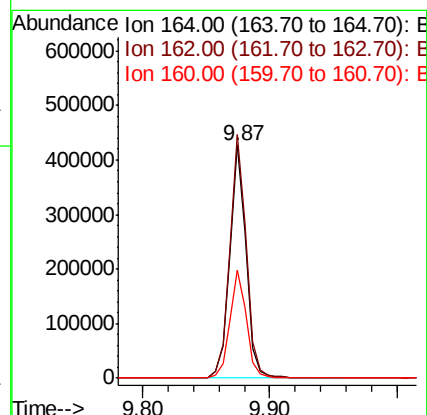
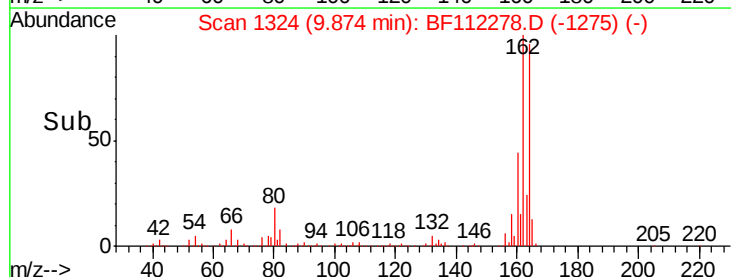
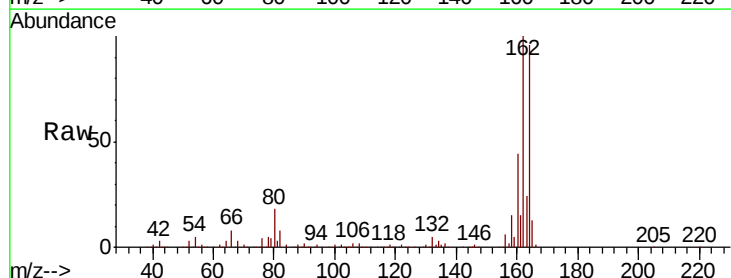
Tgt Ion:164 Resp: 378599

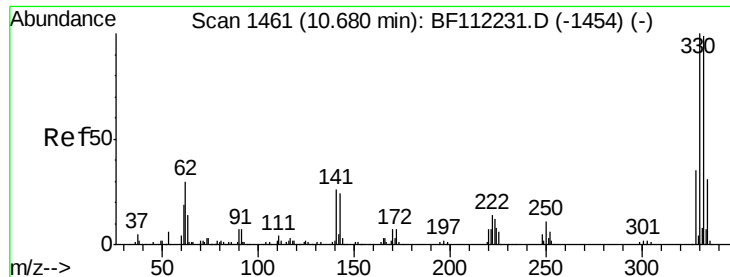
Ion Ratio Lower Upper

164 100

162 104.6 82.2 123.4

160 46.5 36.2 54.4

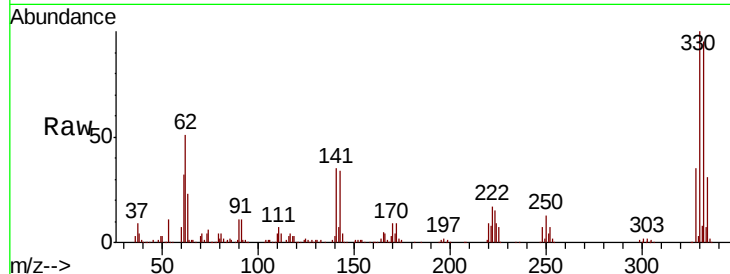




#42
 2,4,6-Tribromophenol
 Concen: 143.904 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112278.D
 Acq: 28 Jan 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-012519-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	32.4	24.3	36.5

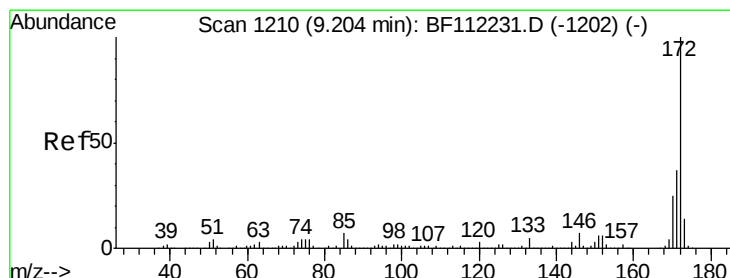
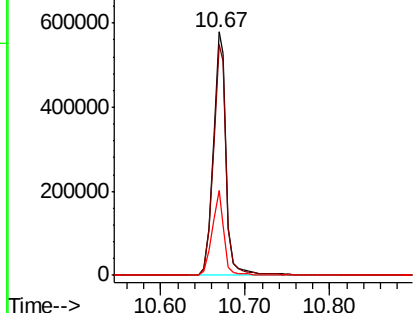
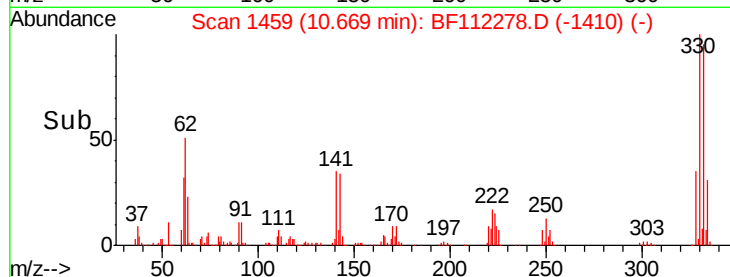


Abundance

Ion 329.80 (329.50 to 330.50): E

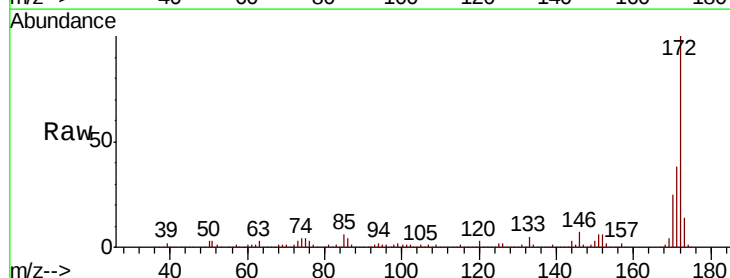
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.546 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF112278.D
 Acq: 28 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.5	45.7
170	25.1	20.2	30.4

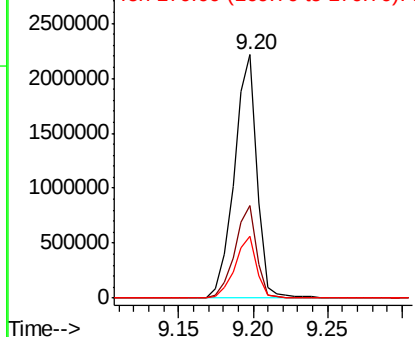
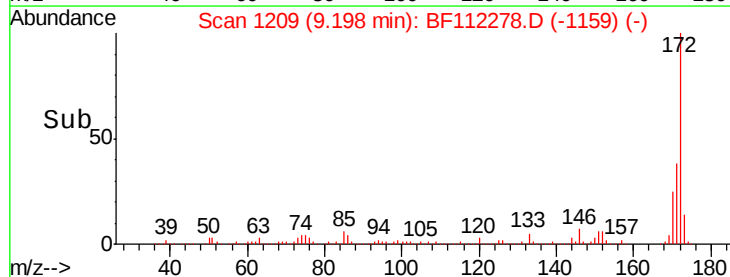


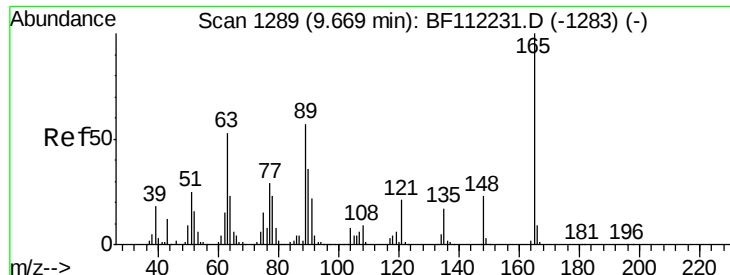
Abundance

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

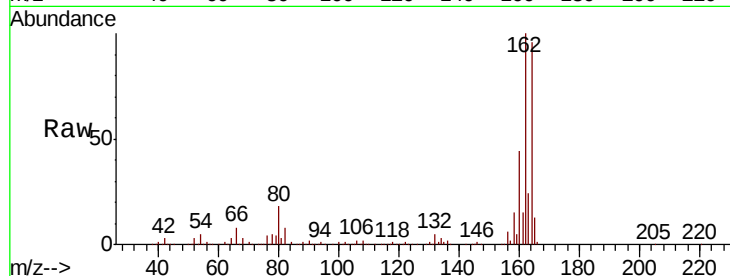




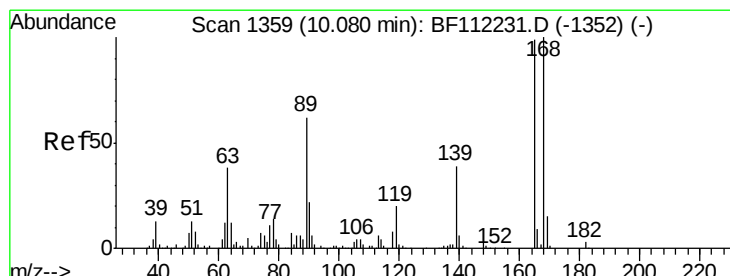
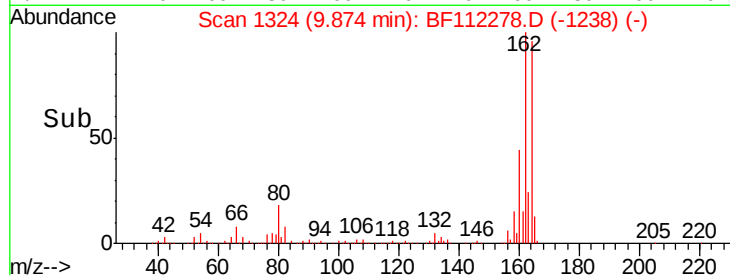
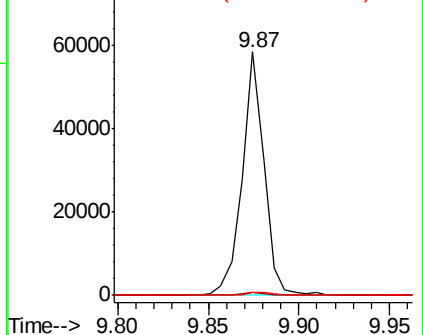
#51
 2,6-Dinitrotoluene
 Concen: 7.432 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF112278.D
 Acq: 28 Jan 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-012519-B

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.8	50.8#
89	1.2	36.9	55.3#

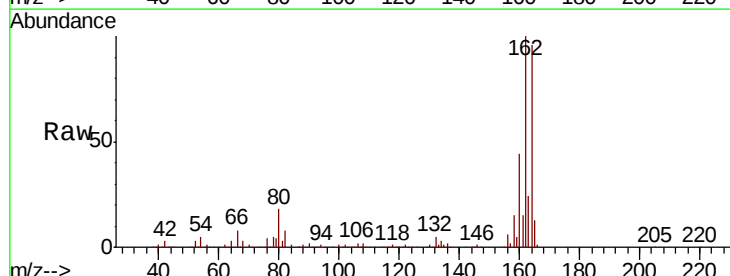


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

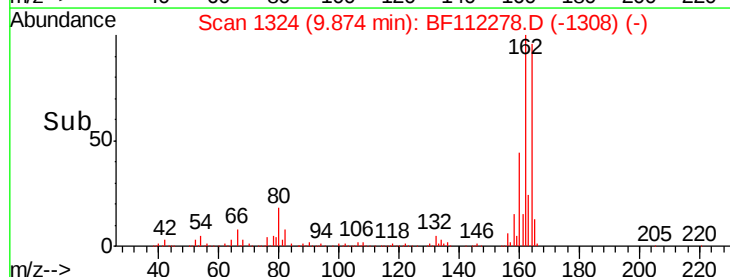
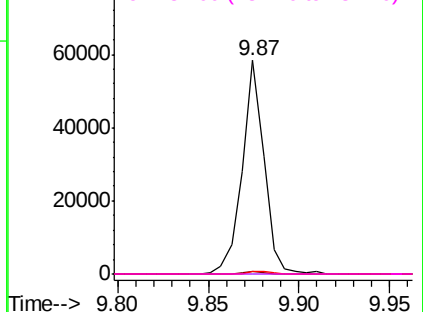


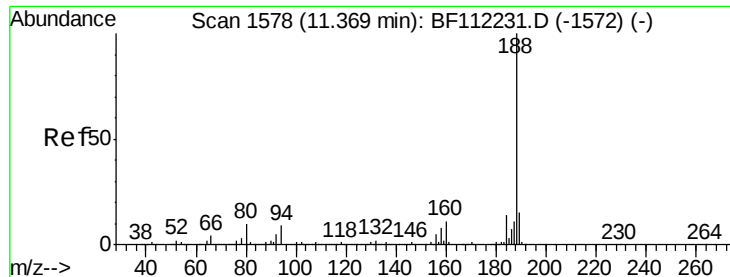
#57
 2,4-Dinitrotoluene
 Concen: 5.838 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF112278.D
 Acq: 28 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	27.9	41.9#
89	1.2	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# 1577

Delta R.T. -0.01 min

Lab File: BF112278.D

Acq: 28 Jan 2019 16:53

Instrument :

BNA_F

ClientSampleId :

OR-01-012519-B

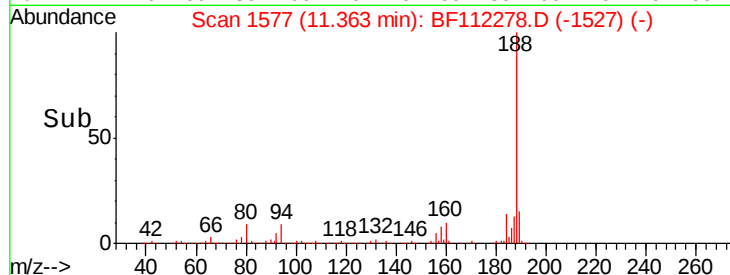
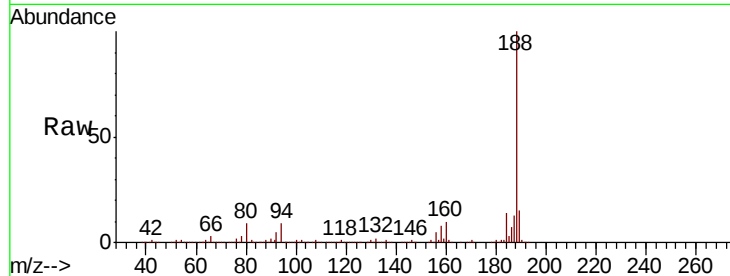
Tot Ion:188 Resp: 753392

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.2

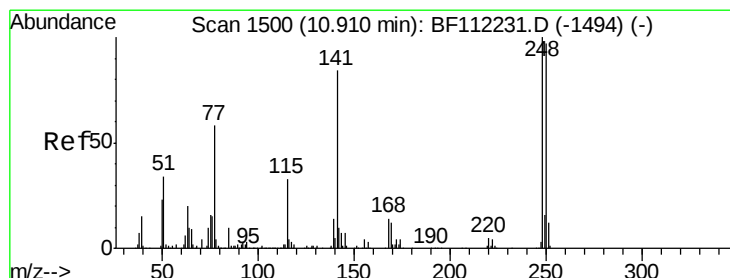
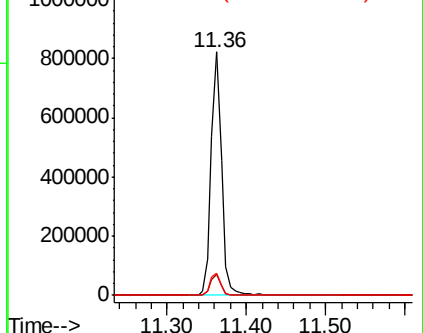
80 9.3 8.9 13.3



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



#67

4-Bromophenyl-phenylether

Concen: 4.384 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.24 min

Lab File: BF112278.D

Acq: 28 Jan 2019 16:53

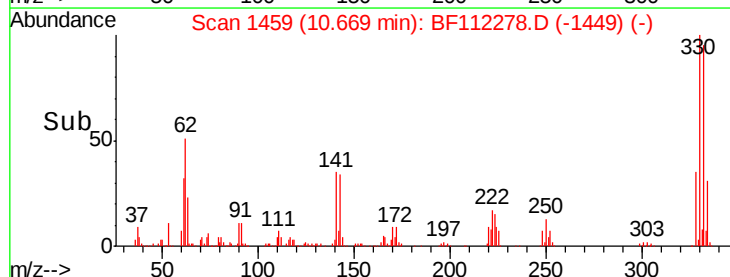
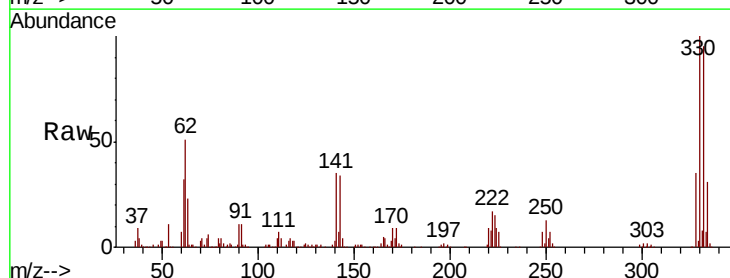
Tgt Ion:248 Resp: 38845

Ion Ratio Lower Upper

248 100

250 207.3 79.7 119.5#

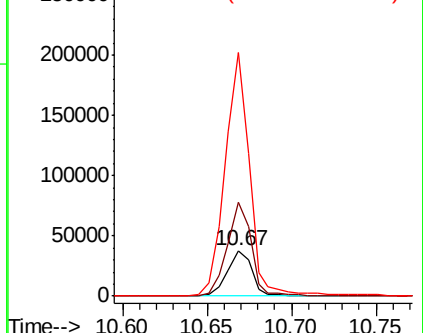
141 536.1 60.3 90.5#

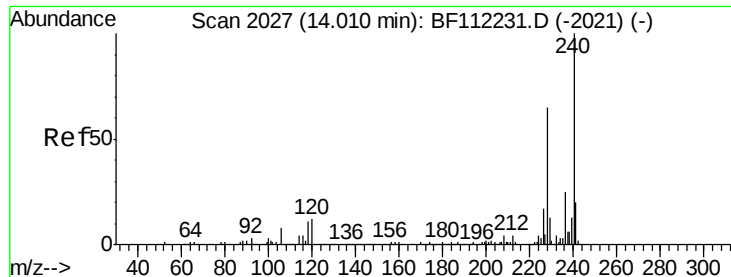


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

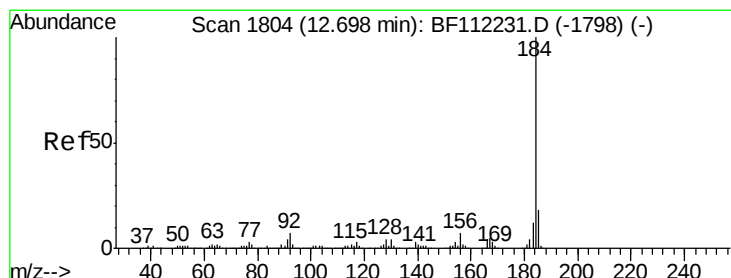
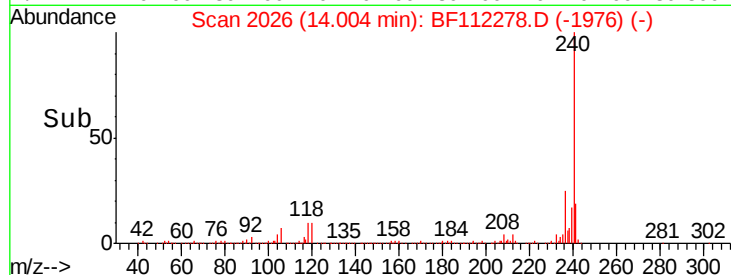
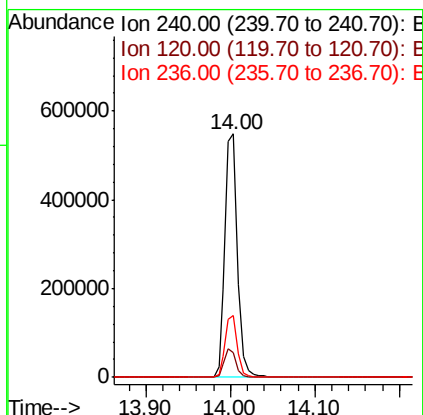
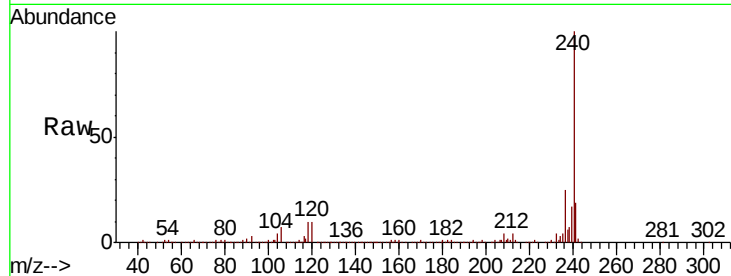




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF112278.D
 Acq: 28 Jan 2019 16:53

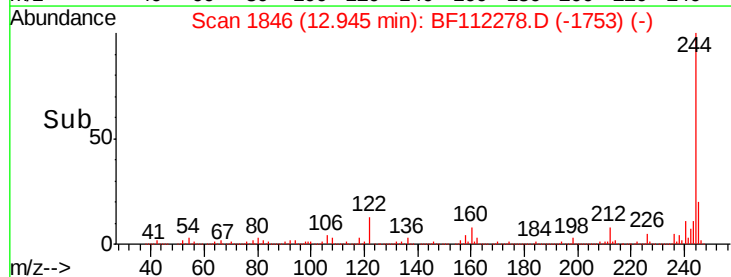
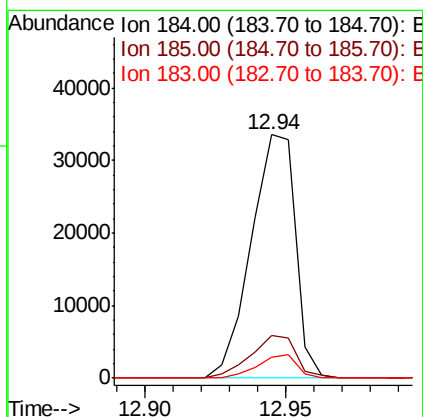
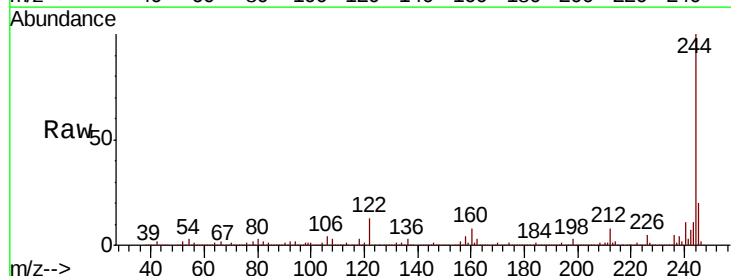
Instrument :
 BNA_F
 ClientSampleId :
 OR-01-012519-B

Tot Ion:240 Resp: 564698
 Ion Ratio Lower Upper
 240 100
 120 10.0 9.0 13.6
 236 25.2 20.7 31.1



#77
 Benzidine
 Concen: 2.351 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.25 min
 Lab File: BF112278.D
 Acq: 28 Jan 2019 16:53

Tgt Ion:184 Resp: 36538
 Ion Ratio Lower Upper
 184 100
 185 17.7 13.9 20.9
 183 8.7 10.0 15.0#





#79

Terphenyl-d14

Concen: 87.372 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF112278.D

Acq: 28 Jan 2019 16:53

Instrument :

BNA_F

ClientSampleId :

OR-01-012519-B

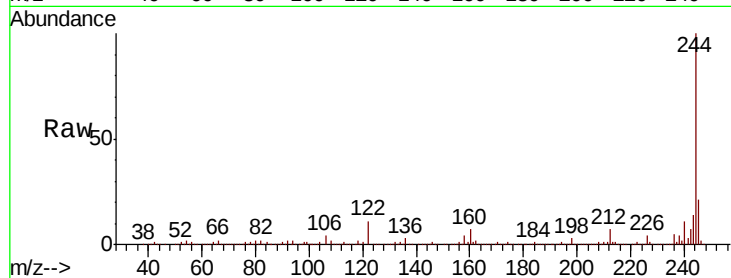
Tot Ion:244 Resp: 2619612

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

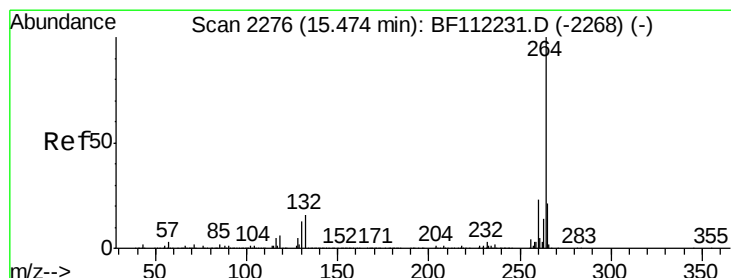
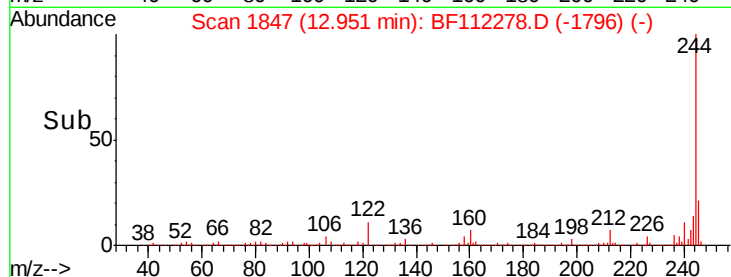
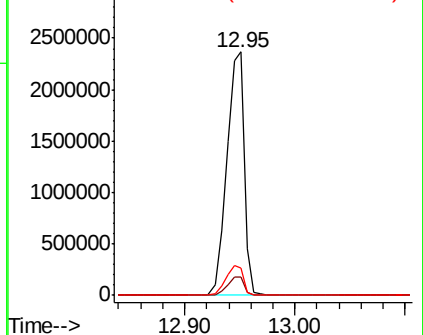
122 11.0 9.8 14.6



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: BF112278.D

Acq: 28 Jan 2019 16:53

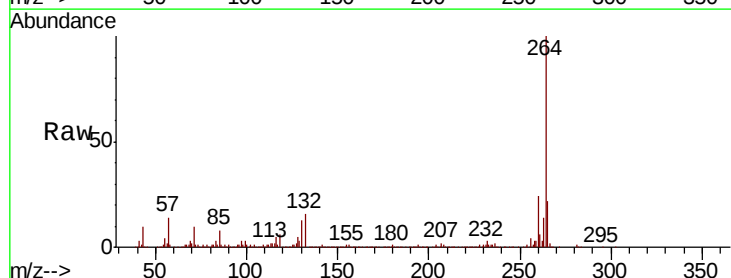
Tgt Ion:264 Resp: 438775

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.2

265 22.3 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

