

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021119\
 Data File : BF112491.D
 Acq On : 11 Feb 2019 19:58
 Operator : JU/SJ
 Sample : K1442-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-12

Quant Time: Feb 12 00:01:18 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

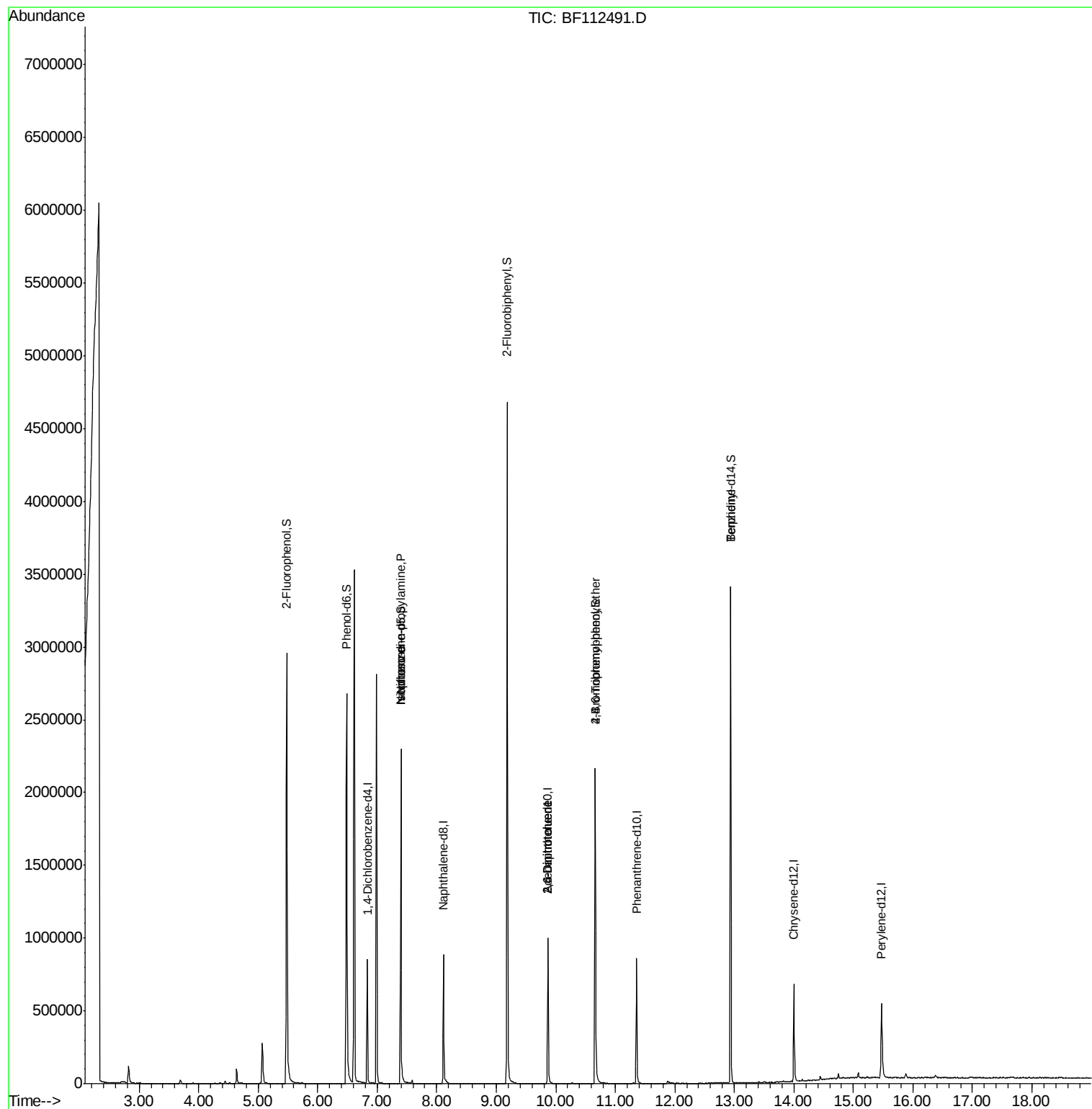
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	132500	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	495225	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	217231	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	334881	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	267115	20.00	ng	0.00
87) Perylene-d12	15.47	264	272121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	878991	140.91	ng	0.00
7) Phenol-d6	6.49	99	985355	113.68	ng	0.00
23) Nitrobenzene-d5	7.40	82	770730	89.67	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	304916	120.59	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1485805	96.74	ng	-0.02
79) Terphenyl-d14	12.94	244	1167503	82.32	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	103404	17.300	ng	# 77
25) Isophorone	7.40	82	770726	57.162	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	27792	7.352	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	27792	5.775	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	18027	4.577	ng	# 1
77) Benzidine	12.94	184	15721	2.138	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: 6.83 min Scan# 807

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

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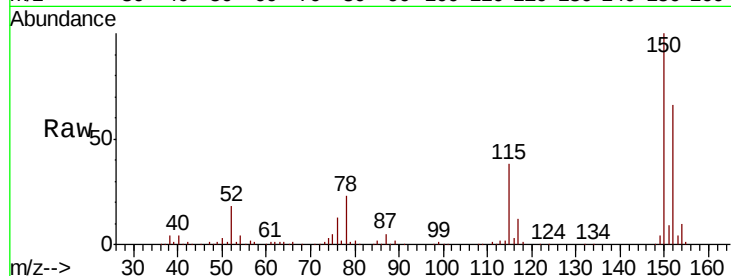
Tgt Ion:152 Resp: 132500

Ion Ratio Lower Upper

152 100

150 151.6 127.4 191.0

115 57.1 45.5 68.3

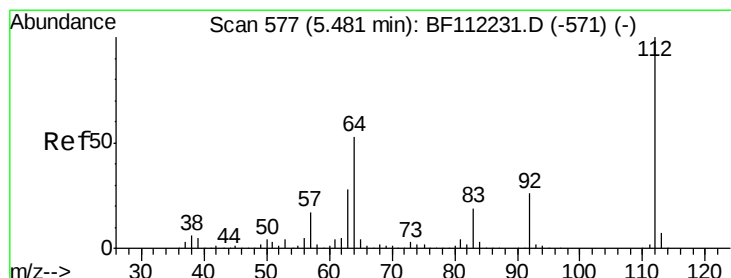
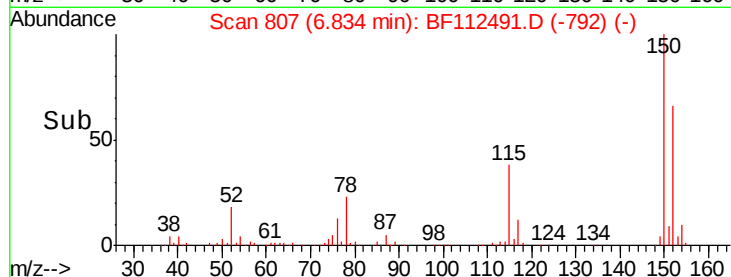
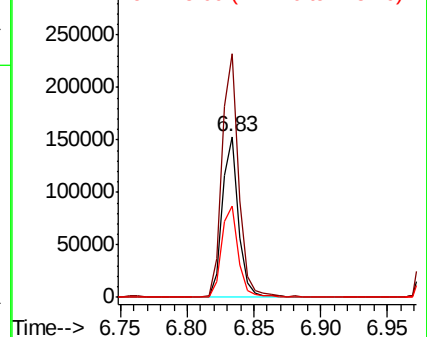


Abundance

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: 140.908 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.00 min

Lab File: BF112491.D

Acq: 11 Feb 2019 19:58

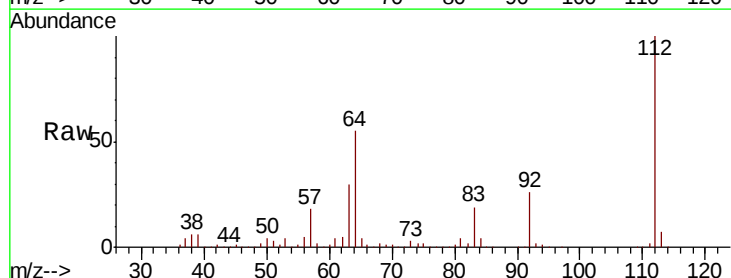
Tgt Ion:112 Resp: 878991

Ion Ratio Lower Upper

112 100

64 54.7 45.7 68.5

63 29.5 23.6 35.4

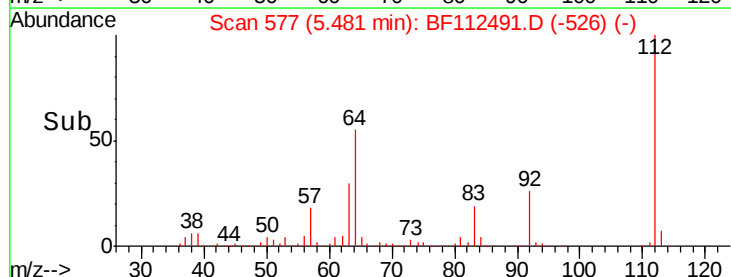
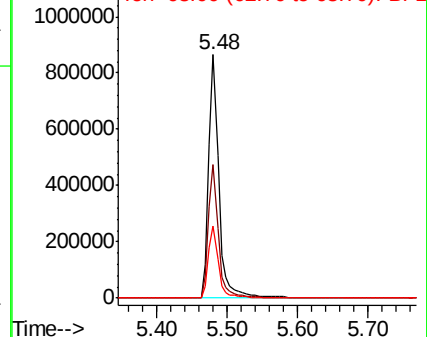


Abundance

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: 113.676 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112491.D

Acq: 11 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

COMP-12

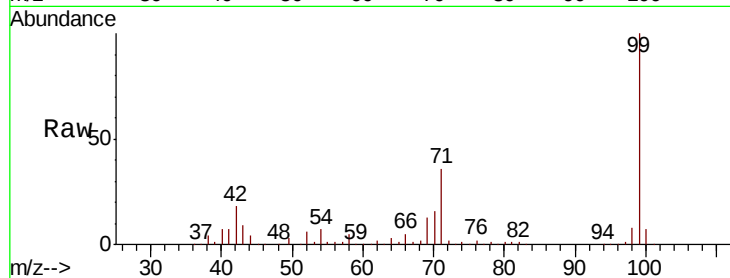
Tgt Ion: 99 Resp: 985355

Ion Ratio Lower Upper

99 100

42 18.5 15.1 22.7

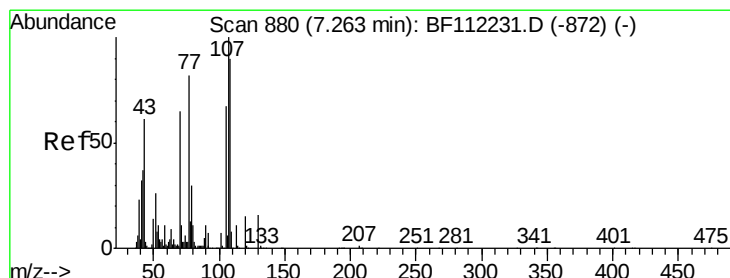
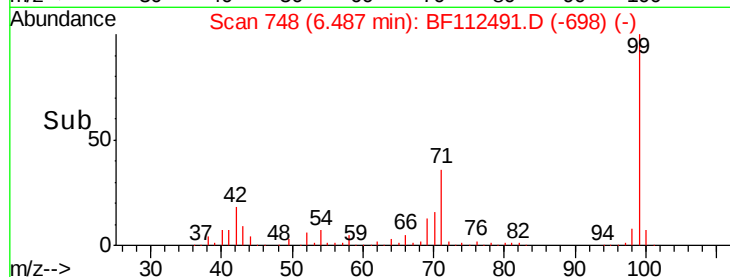
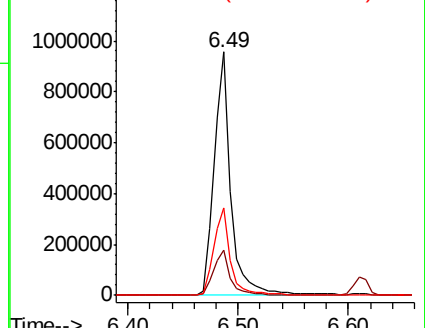
71 35.8 26.9 40.3



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: 17.300 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112491.D

Acq: 11 Feb 2019 19:58

Tgt Ion: 70 Resp: 103404

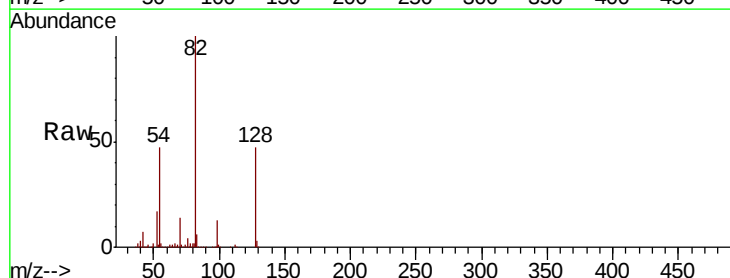
Ion Ratio Lower Upper

70 100

42 48.6 47.6 71.4

101 0.0 7.9 11.9#

130 2.1 18.4 27.6#

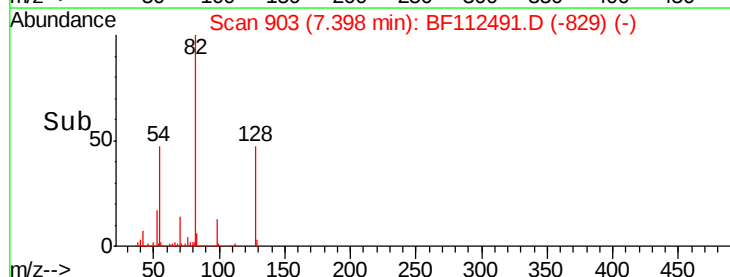
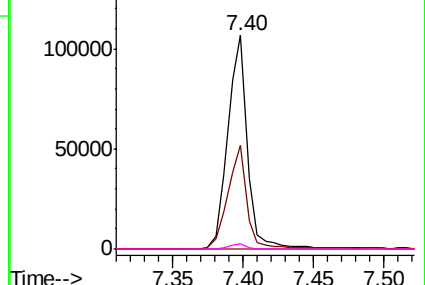


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF112491.D

Acq: 11 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 495225

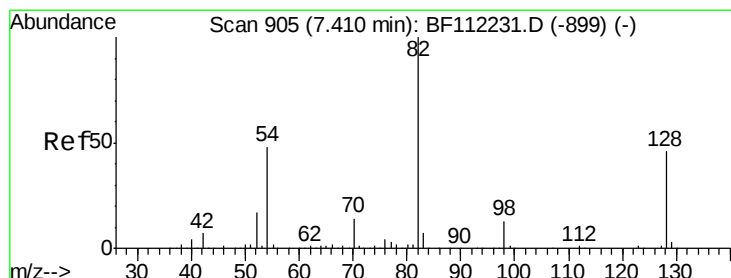
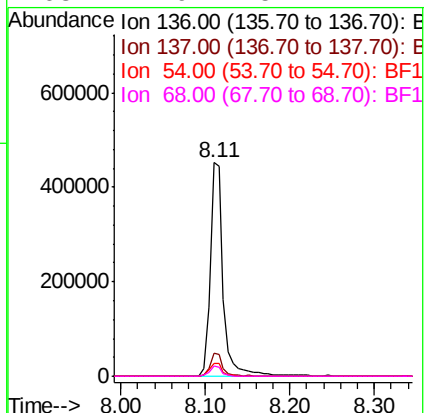
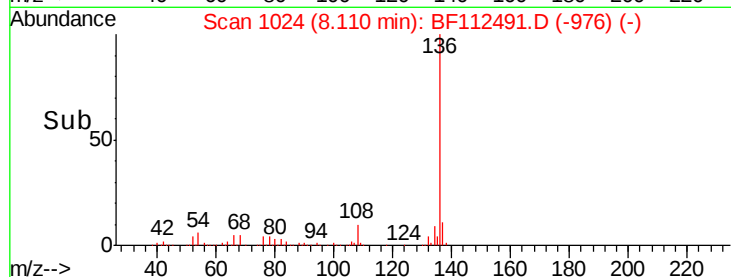
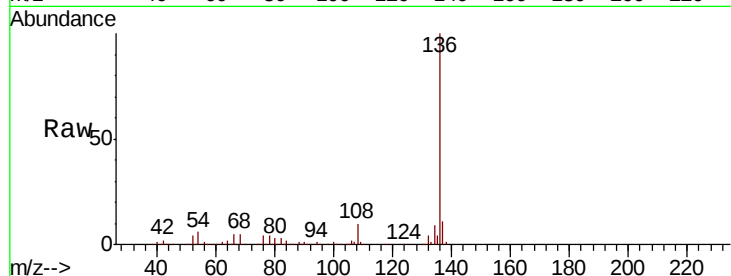
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.2 5.9 8.9

68 4.9 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 89.675 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112491.D

Acq: 11 Feb 2019 19:58

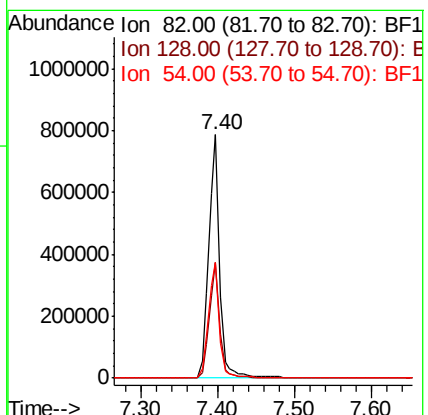
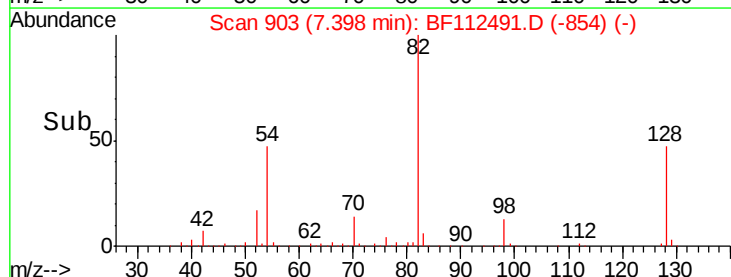
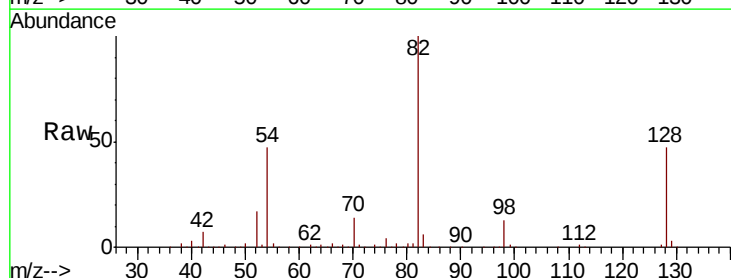
Tgt Ion: 82 Resp: 770730

Ion Ratio Lower Upper

82 100

128 47.4 37.8 56.8

54 47.3 39.7 59.5





#25

Isophorone

Concen: 57.162 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112491.D

Acq: 11 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

COMP-12

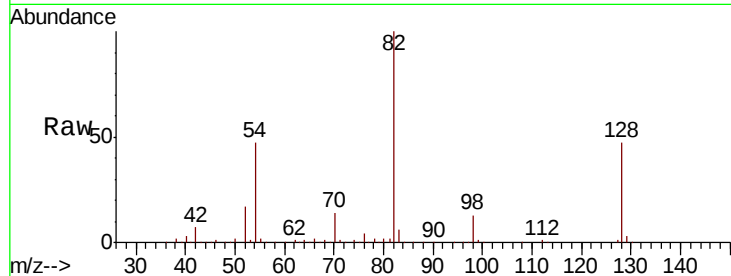
Tgt Ion: 82 Resp: 770726

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

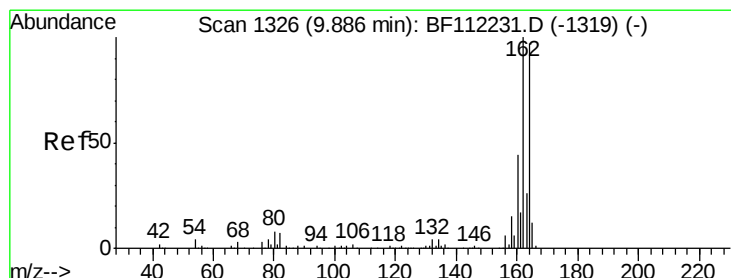
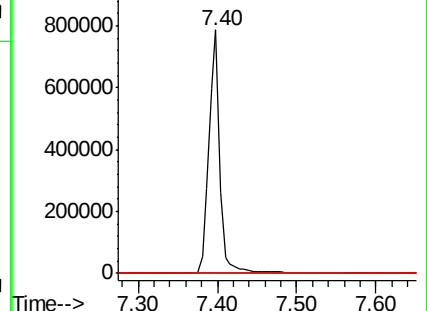
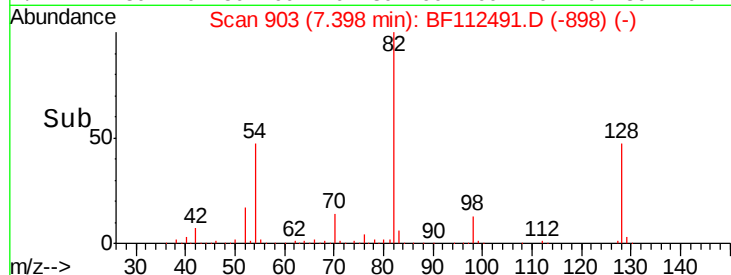
138 0.0 15.4 23.0#



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# 1323

Delta R.T. -0.02 min

Lab File: BF112491.D

Acq: 11 Feb 2019 19:58

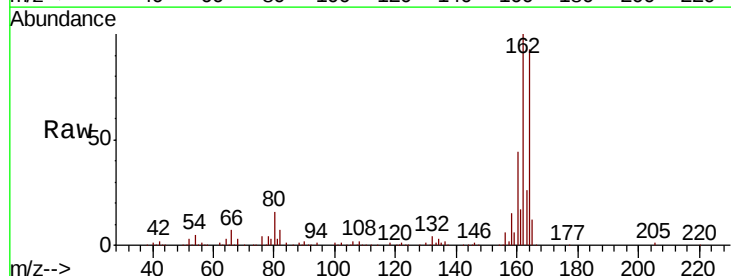
Tgt Ion: 164 Resp: 217231

Ion Ratio Lower Upper

164 100

162 107.3 82.2 123.4

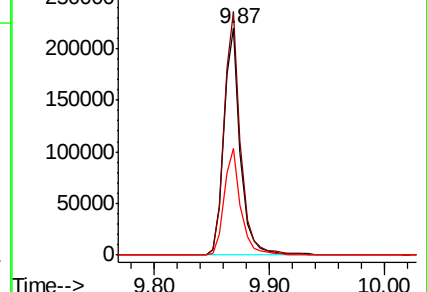
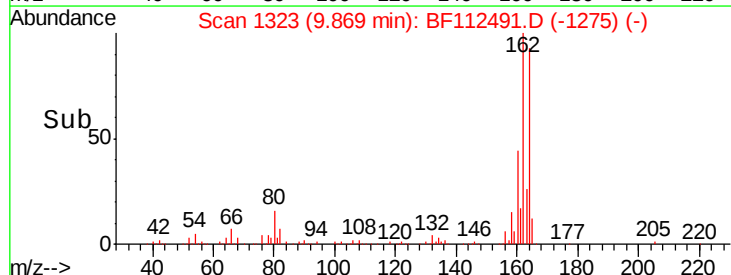
160 47.2 36.2 54.4



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

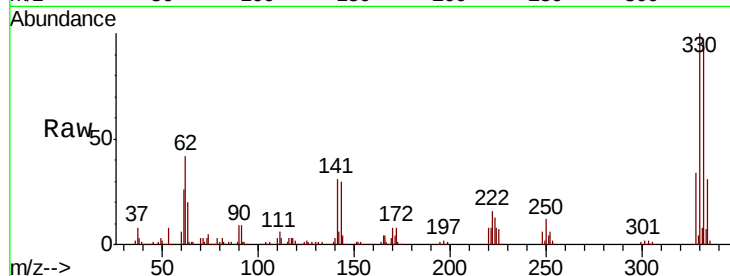




#42
 2,4,6-Tribromophenol
 Concen: 120.591 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112491.D
 Acq: 11 Feb 2019 19:58

Instrument :
 BNA_F
 ClientSampleId :
 COMP-12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	32.1	24.3	36.5

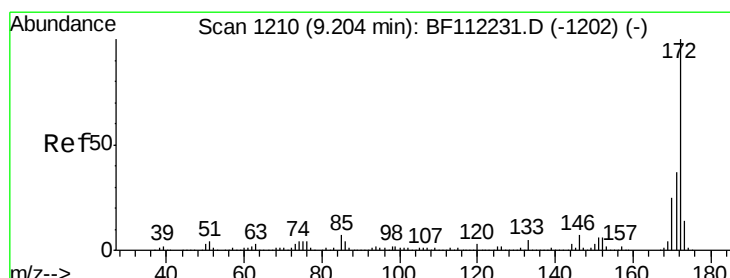
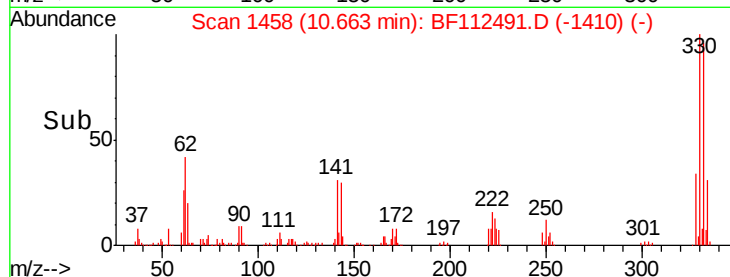
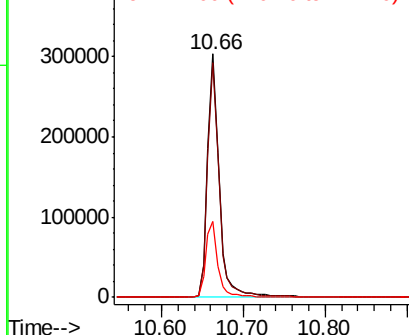


Abundance

Ion 329.80 (329.50 to 330.50): E

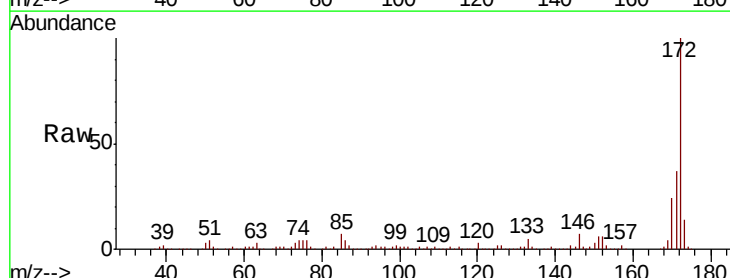
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.737 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112491.D
 Acq: 11 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	24.1	20.2	30.4

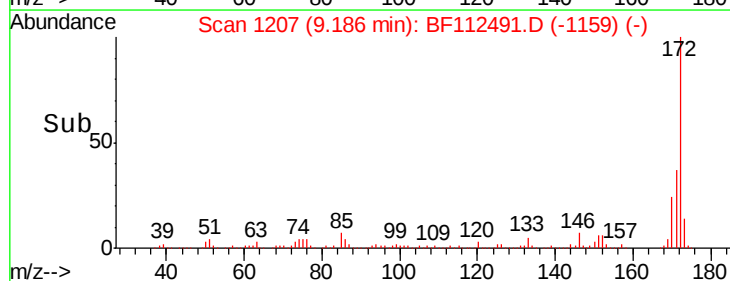
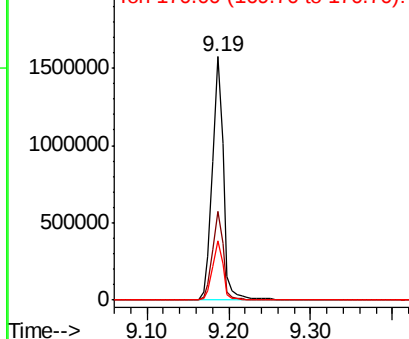


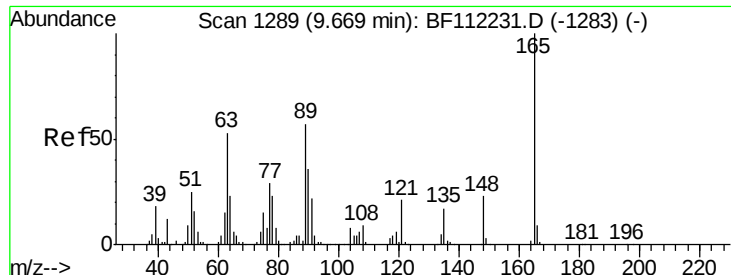
Abundance

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

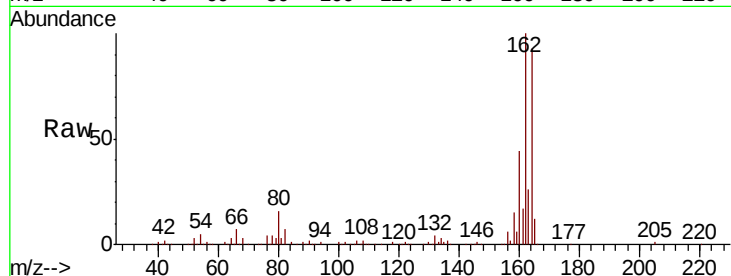




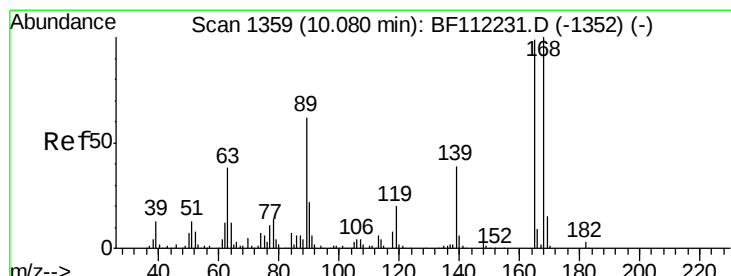
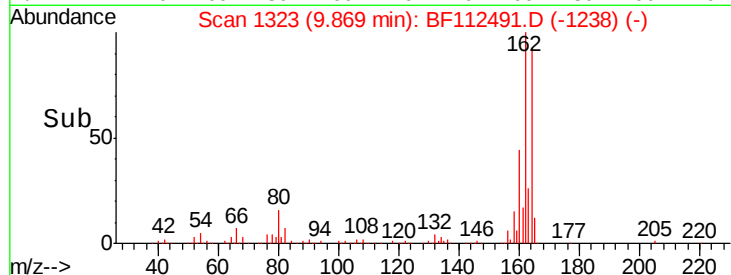
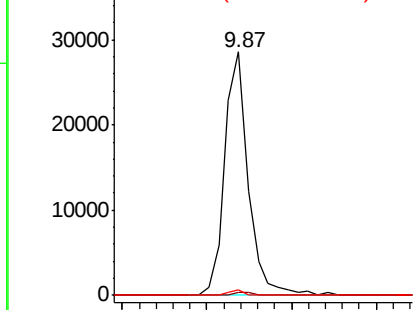
#51
 2,6-Dinitrotoluene
 Concen: 7.352 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112491.D
 Acq: 11 Feb 2019 19:58

Instrument :
 BNA_F
 ClientSampleId :
 COMP-12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	2.3	36.9	55.3#



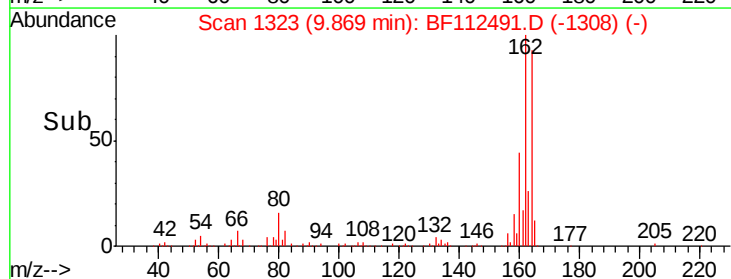
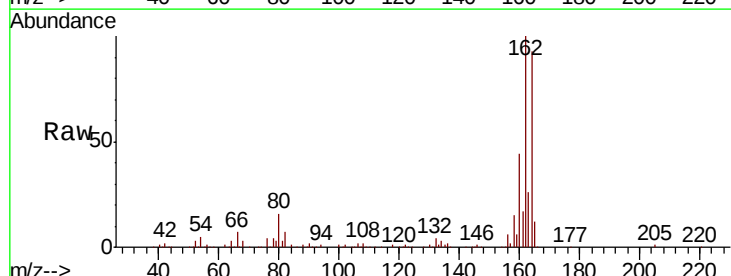
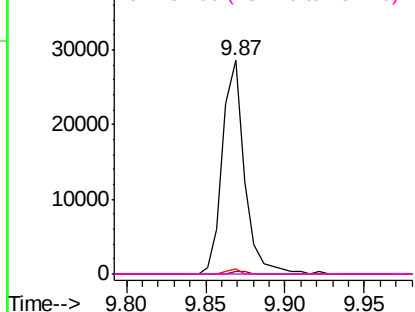
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

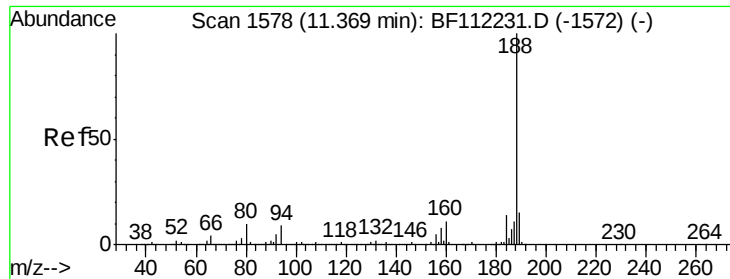


#57
 2,4-Dinitrotoluene
 Concen: 5.775 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112491.D
 Acq: 11 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	2.3	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

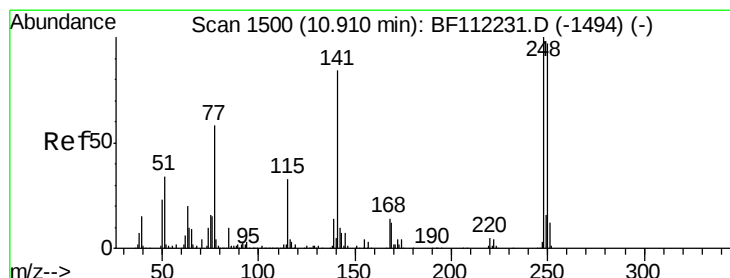
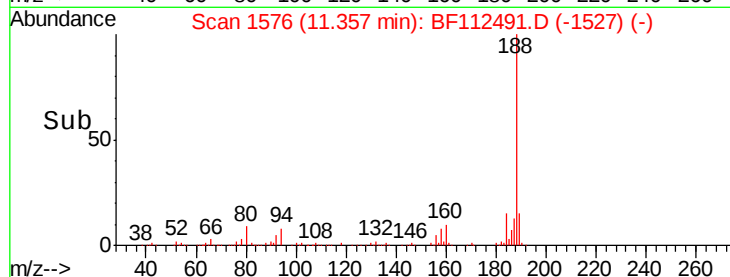
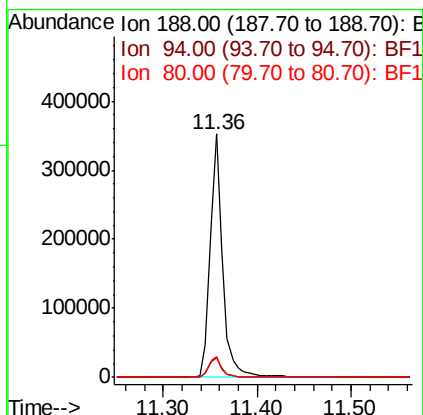
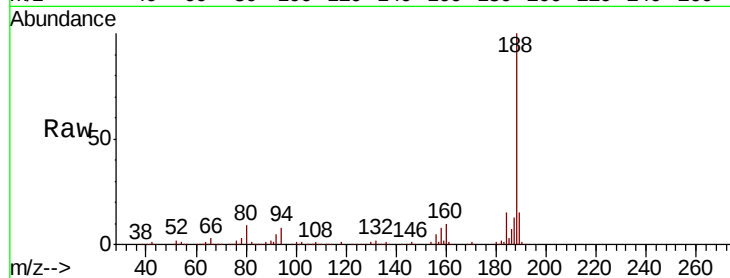




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112491.D
Acq: 11 Feb 2019 19:58

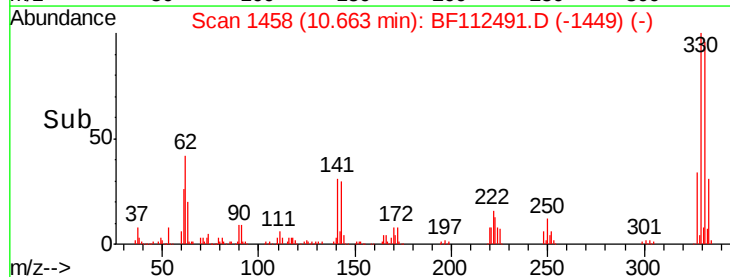
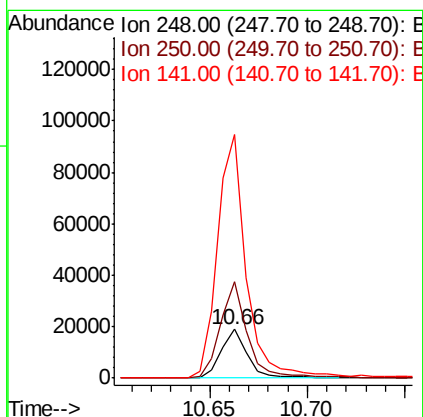
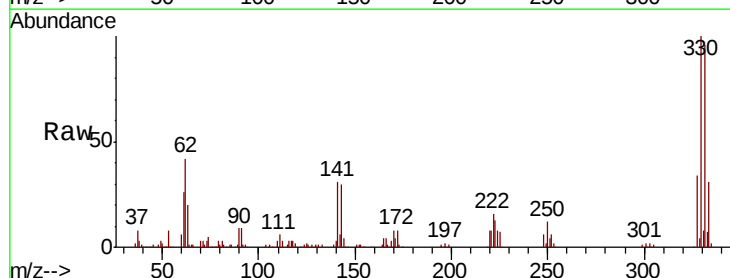
Instrument :
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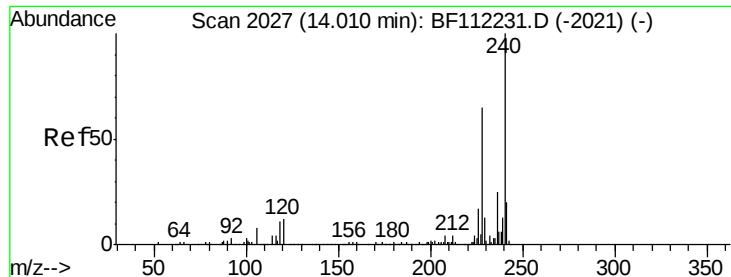
Tgt Ion:188 Resp: 334881
Ion Ratio Lower Upper
188 100
94 8.2 8.2 12.2
80 8.5 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 4.577 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112491.D
Acq: 11 Feb 2019 19:58

Tgt Ion:248 Resp: 18027
Ion Ratio Lower Upper
248 100
250 197.0 79.7 119.5#
141 498.6 60.3 90.5#

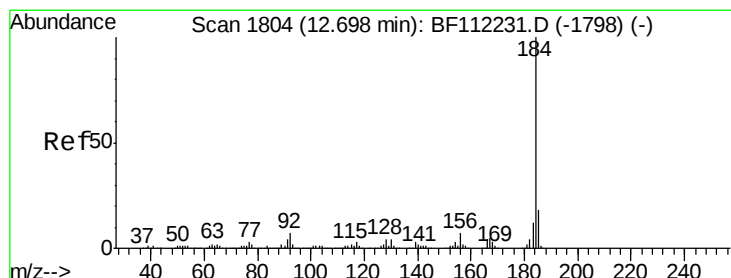
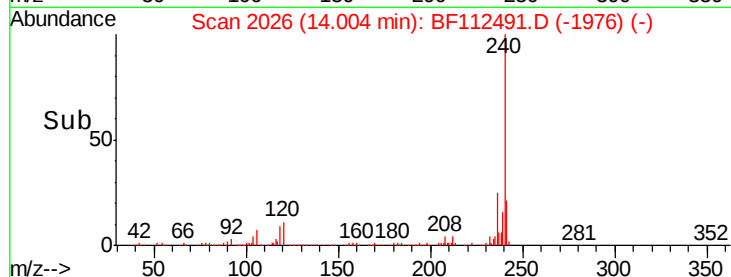
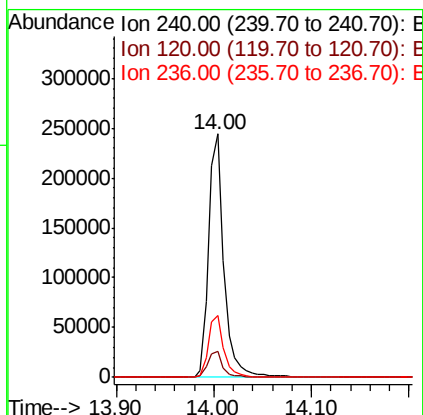
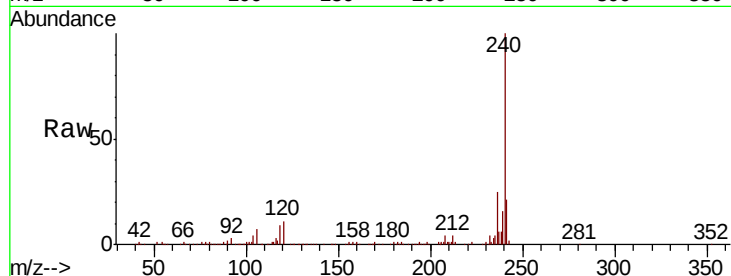




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112491.D
Acq: 11 Feb 2019 19:58

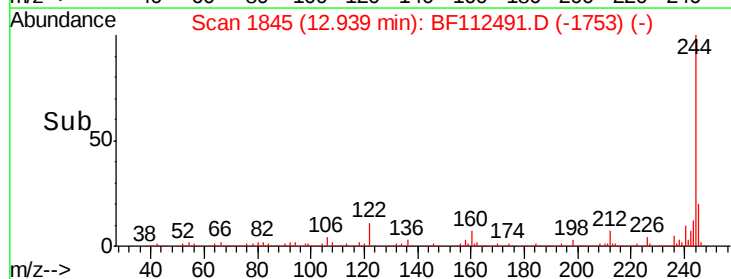
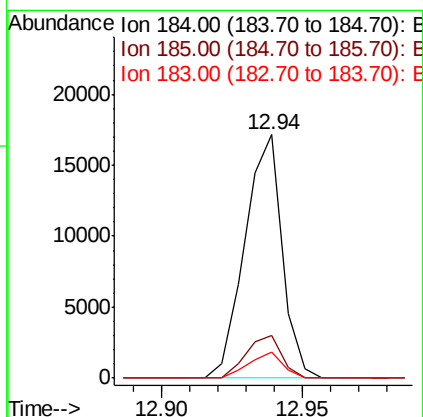
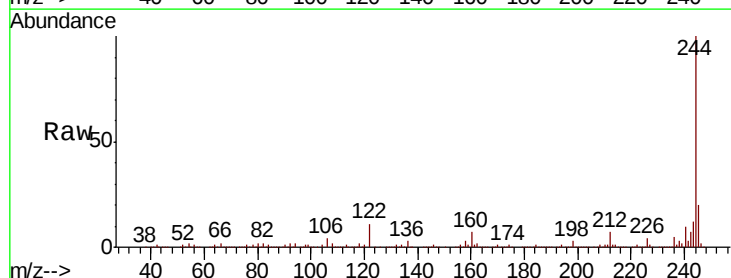
Instrument :
BNA_F
ClientSampleId :
COMP-12

Tgt Ion:240 Resp: 267115
Ion Ratio Lower Upper
240 100
120 10.6 9.0 13.6
236 25.5 20.7 31.1



#77
Benzidine
Concen: 2.138 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112491.D
Acq: 11 Feb 2019 19:58

Tgt Ion:184 Resp: 15721
Ion Ratio Lower Upper
184 100
185 17.6 13.9 20.9
183 10.6 10.0 15.0





#79

Terphenyl-d14

Concen: 82.321 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112491.D

Acq: 11 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

COMP-12

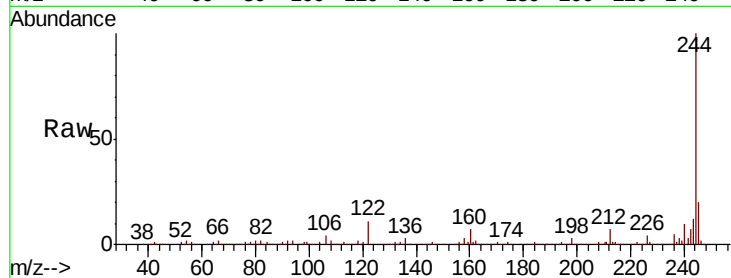
Tgt Ion:244 Resp: 1167503

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

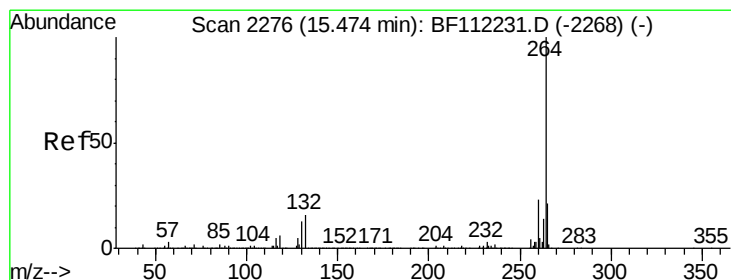
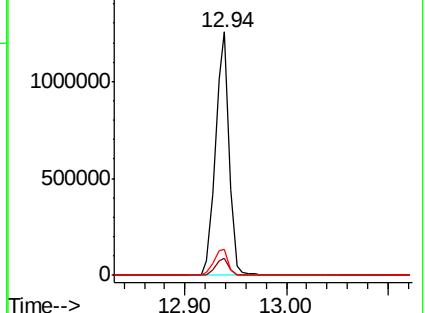
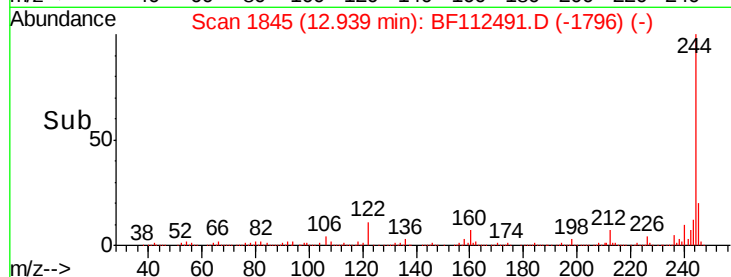
122 10.6 9.8 14.6



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# 2276

Delta R.T. 0.00 min

Lab File: BF112491.D

Acq: 11 Feb 2019 19:58

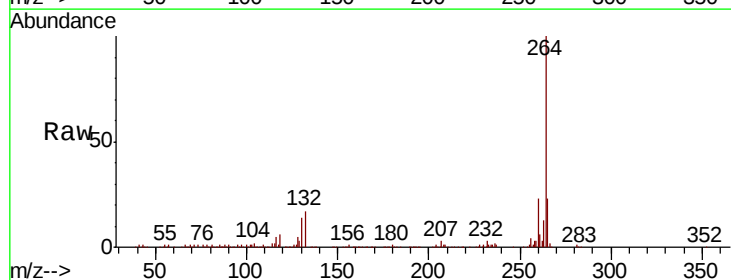
Tgt Ion:264 Resp: 272121

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.2

265 22.5 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

