

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021119\
 Data File : BF112490.D
 Acq On : 11 Feb 2019 19:31
 Operator : JU/SJ
 Sample : K1442-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-11

Quant Time: Feb 12 00:01:09 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

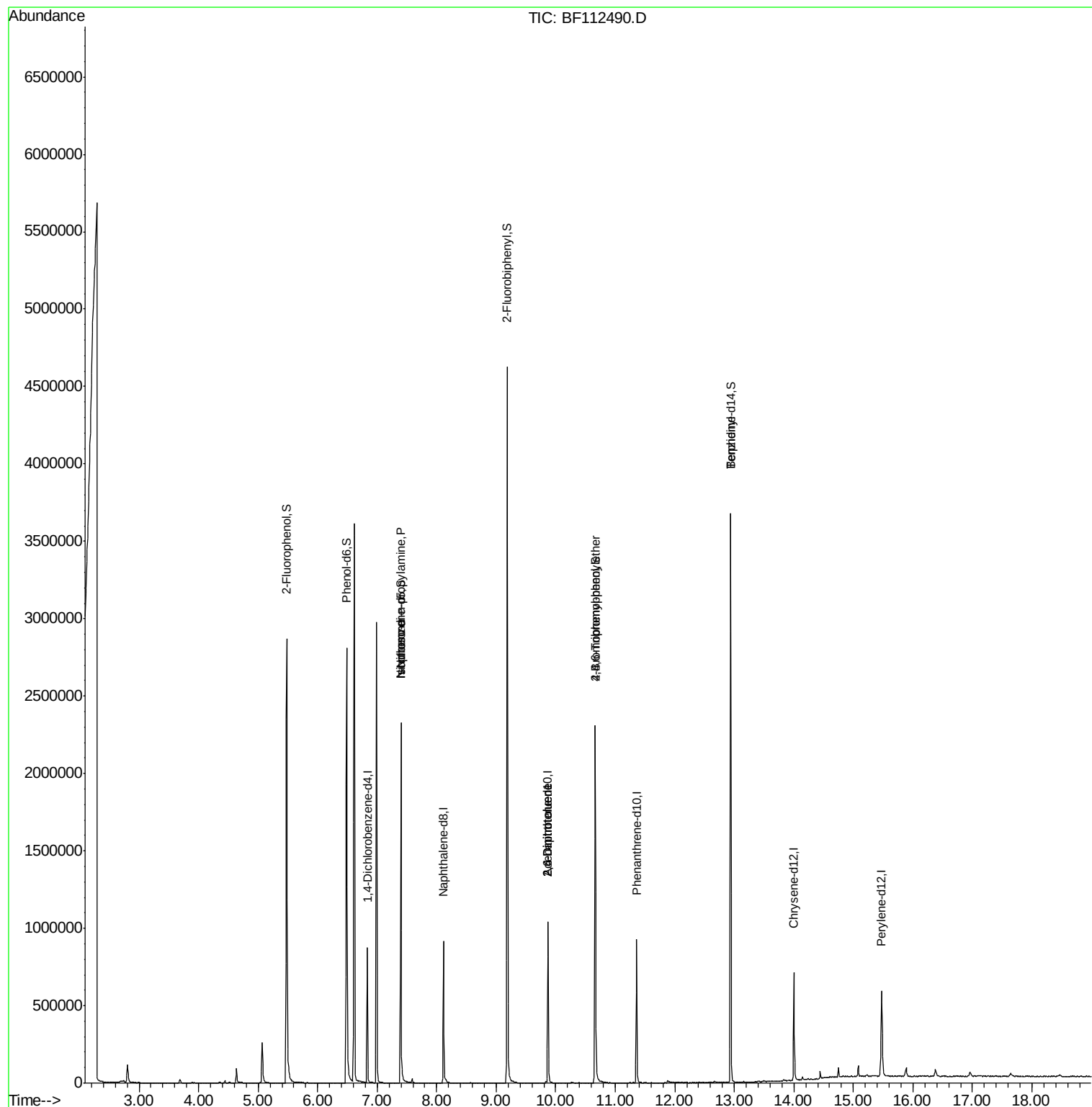
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	137140	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	508483	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	223418	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	358429	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	280050	20.00	ng	0.00
87) Perylene-d12	15.47	264	291597	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	888046	137.54	ng	0.00
7) Phenol-d6	6.49	99	994968	110.90	ng	0.00
23) Nitrobenzene-d5	7.40	82	765165	86.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	314476	120.93	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1544268	97.76	ng	-0.02
79) Terphenyl-d14	12.94	244	1219988	82.05	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	104505	16.893	ng	# 76
25) Isophorone	7.40	82	765155	55.269	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	28409	7.308	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	28409	5.740	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	19582	4.645	ng	# 1
77) Benzidine	12.94	184	16565	2.149	ng	95

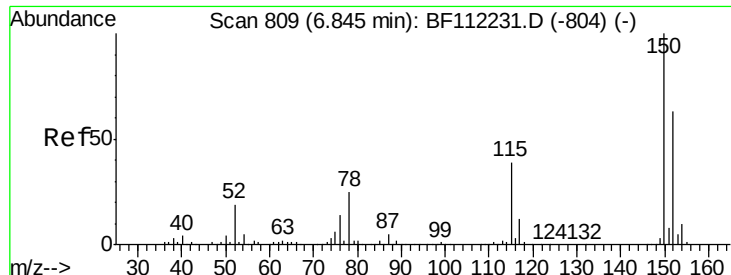
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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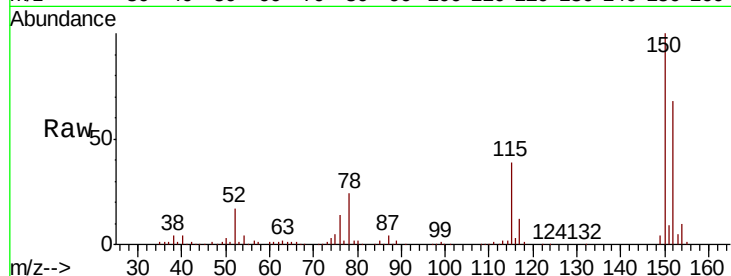




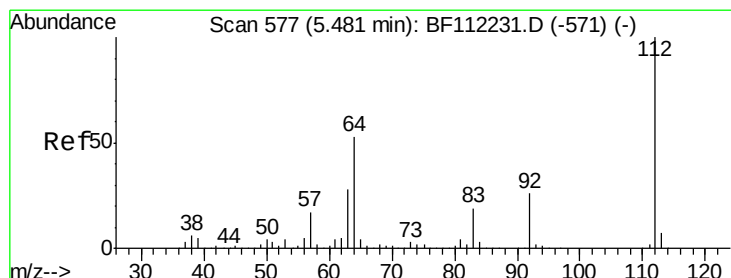
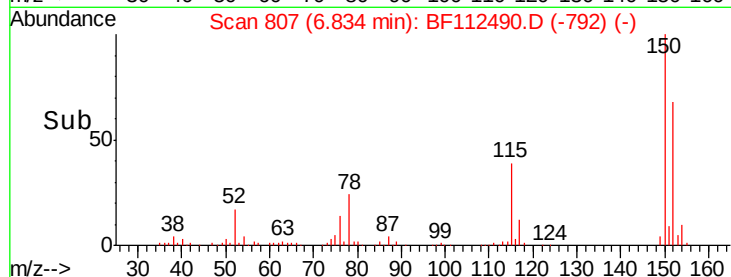
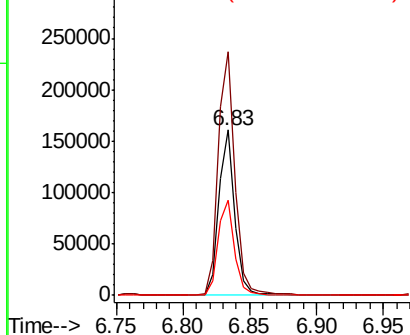
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112490.D
 Acq: 11 Feb 2019 19:31

Instrument :
 BNA_F
 ClientSampleId :
 COMP-11

Tgt Ion:152 Resp: 137140
 Ion Ratio Lower Upper
 152 100
 150 147.6 127.4 191.0
 115 57.4 45.5 68.3

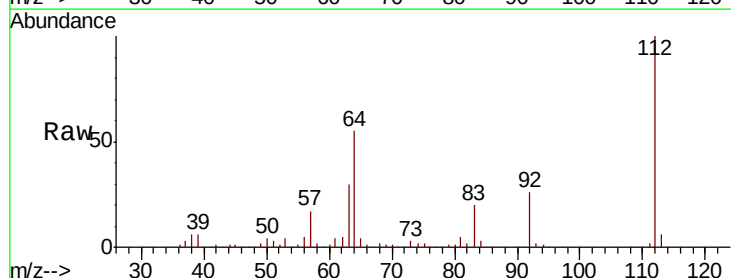


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

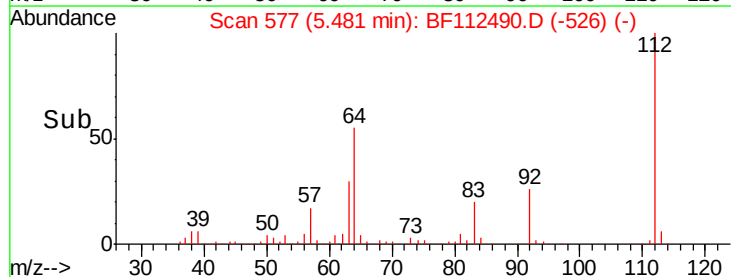
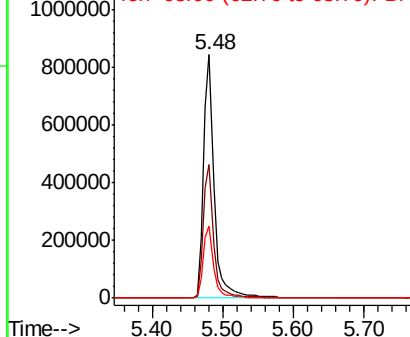


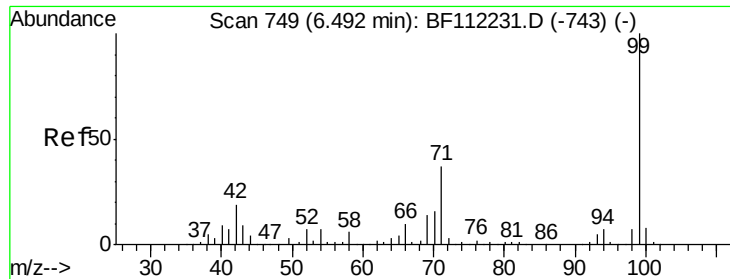
#5
 2-Fluorophenol
 Concen: 137.543 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF112490.D
 Acq: 11 Feb 2019 19:31

Tgt Ion:112 Resp: 888046
 Ion Ratio Lower Upper
 112 100
 64 54.7 45.7 68.5
 63 29.8 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: 110.902 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112490.D

Acq: 11 Feb 2019 19:31

Instrument :

BNA_F

ClientSampleId :

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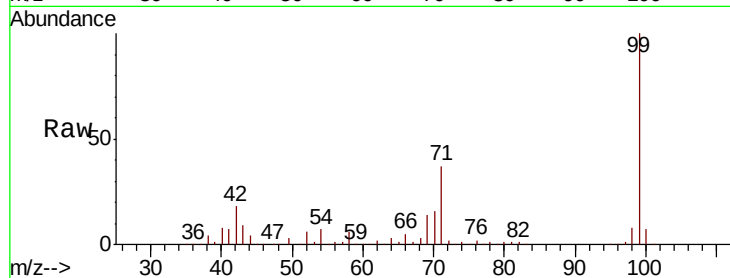
Tgt Ion: 99 Resp: 994968

Ion Ratio Lower Upper

99 100

42 18.3 15.1 22.7

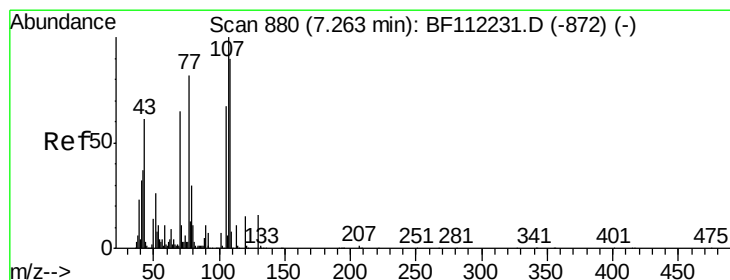
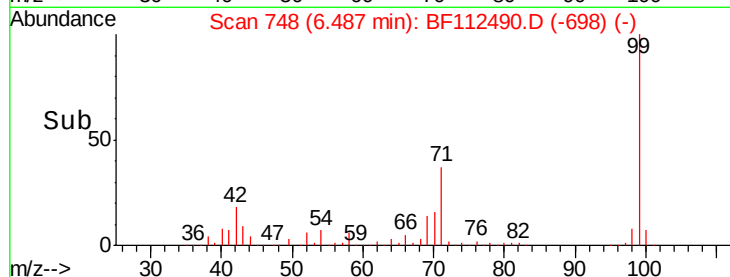
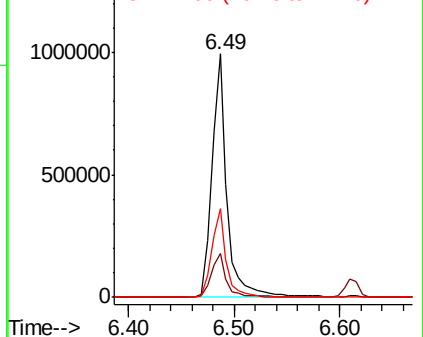
71 36.6 26.9 40.3



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: 16.893 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112490.D

Acq: 11 Feb 2019 19:31

Tgt Ion: 70 Resp: 104505

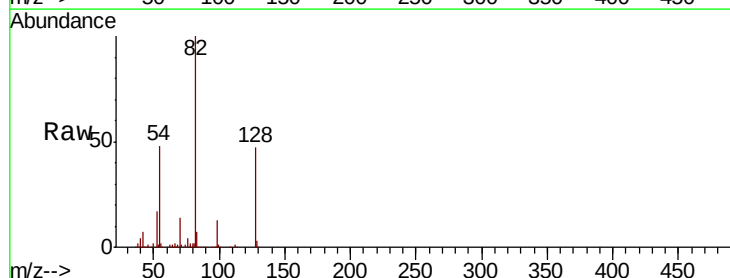
Ion Ratio Lower Upper

70 100

42 47.3 47.6 71.4#

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

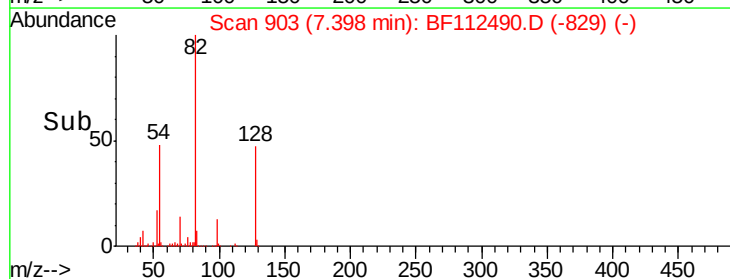
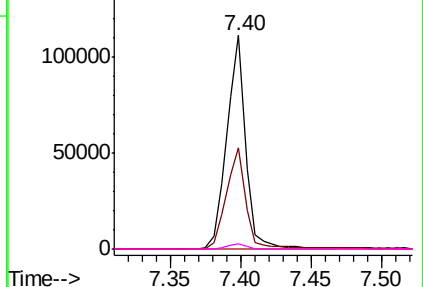


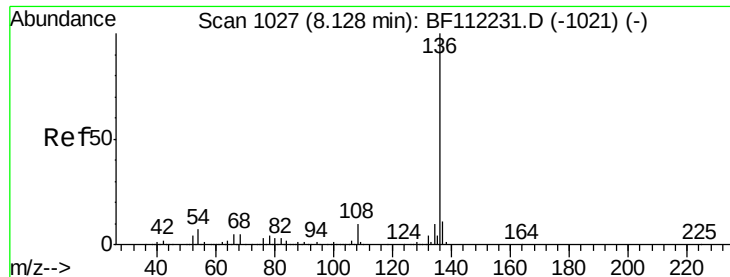
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

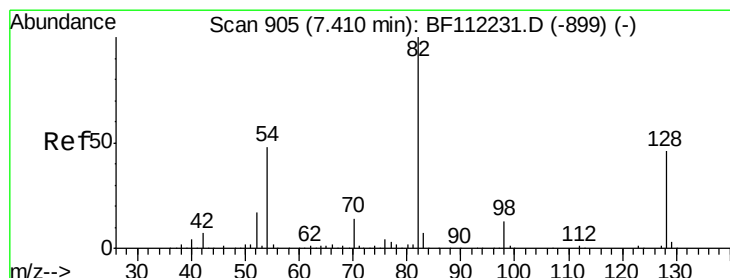
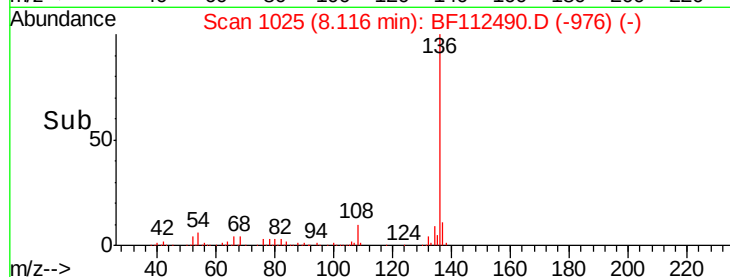
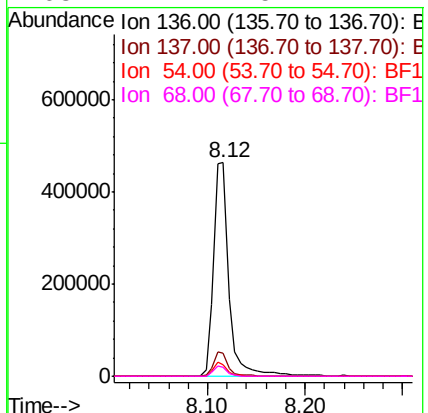
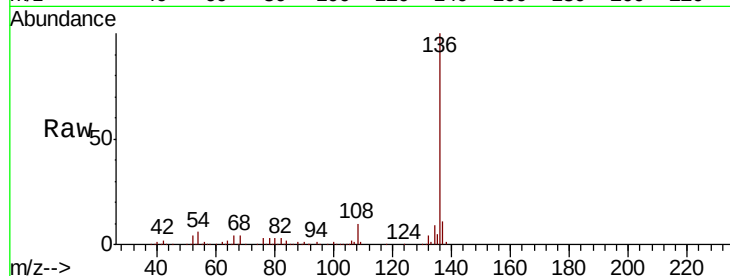




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112490.D
Acq: 11 Feb 2019 19:31

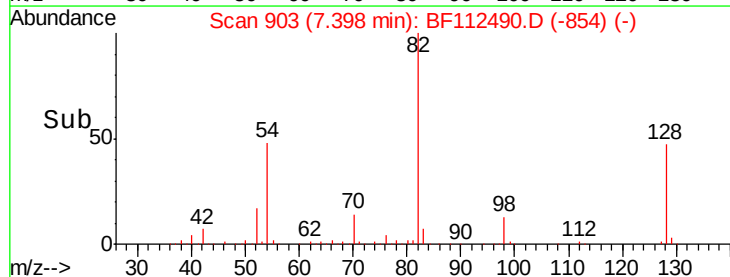
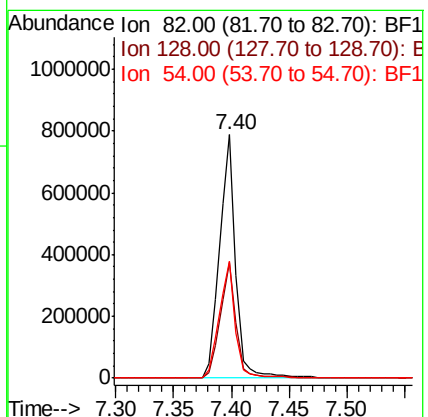
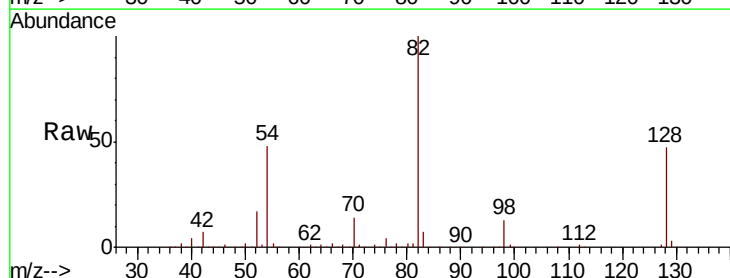
Instrument :
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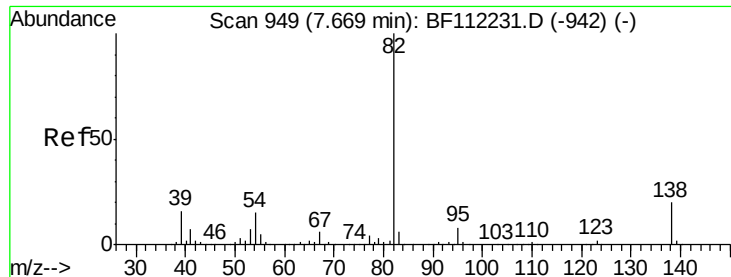
Tgt Ion:	136	Resp:	508483
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.7	5.9	8.9#
68	4.2	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 86.706 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112490.D
Acq: 11 Feb 2019 19:31

Tgt Ion:	82	Resp:	765165
Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.8	56.8
54	48.2	39.7	59.5





#25

Isophorone

Concen: 55.269 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112490.D

Acq: 11 Feb 2019 19:31

Instrument :

BNA_F

ClientSampleId :

COMP-11

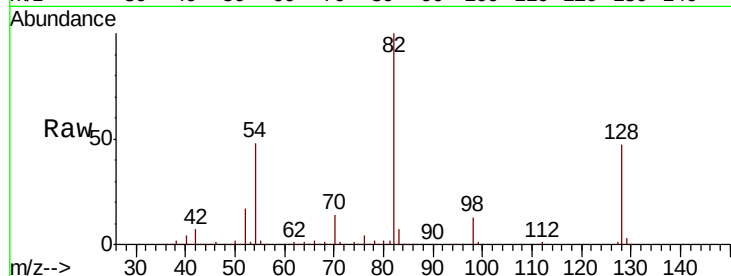
Tgt Ion: 82 Resp: 765155

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

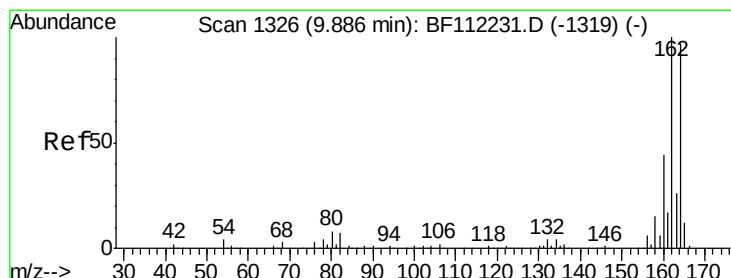
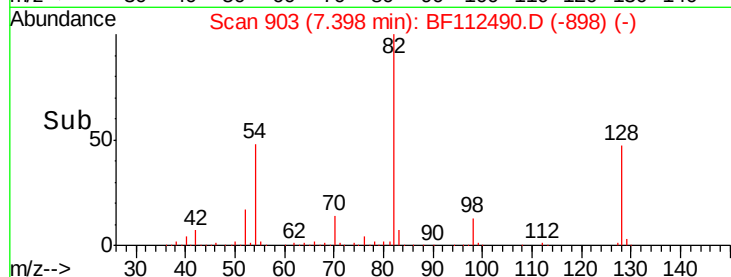
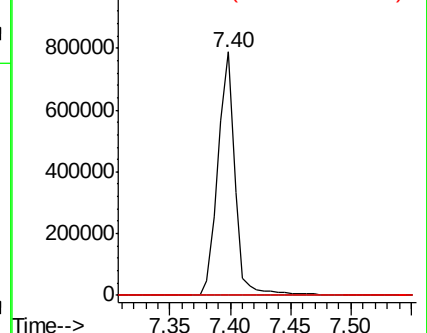
138 0.0 15.4 23.0#



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: BF112490.D

Acq: 11 Feb 2019 19:31

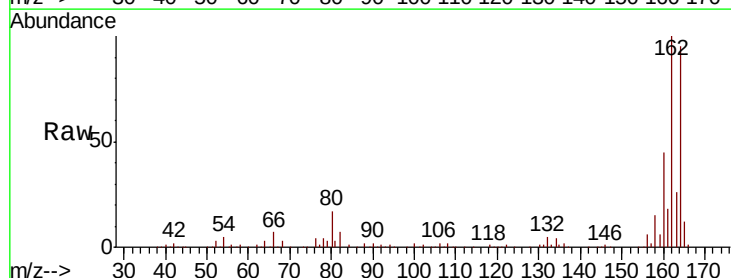
Tgt Ion: 164 Resp: 223418

Ion Ratio Lower Upper

164 100

162 105.5 82.2 123.4

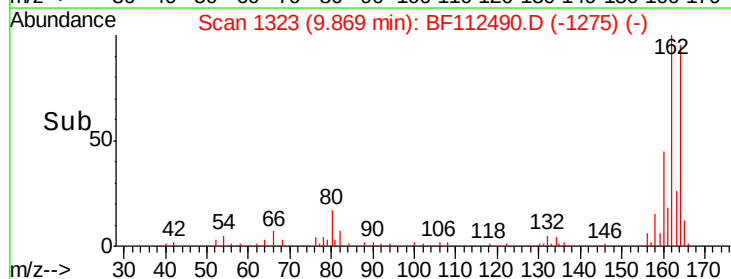
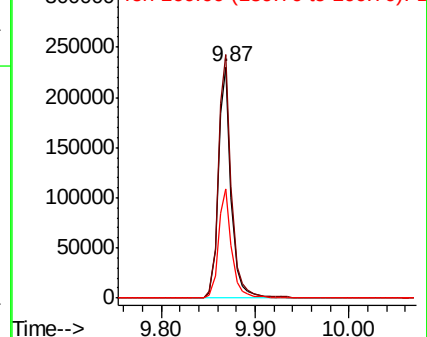
160 47.3 36.2 54.4

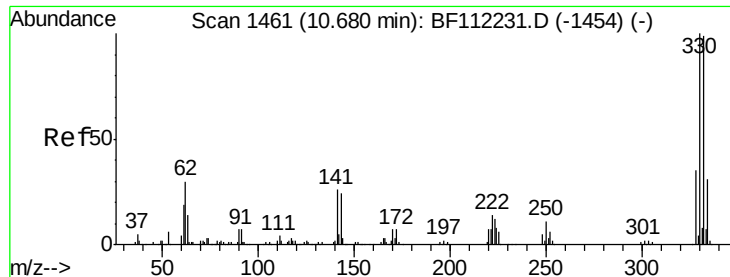


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 120.928 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112490.D

Acq: 11 Feb 2019 19:31

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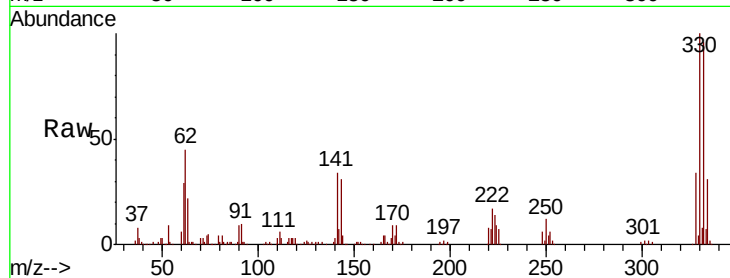
Tgt Ion:330 Resp: 314476

Ion Ratio Lower Upper

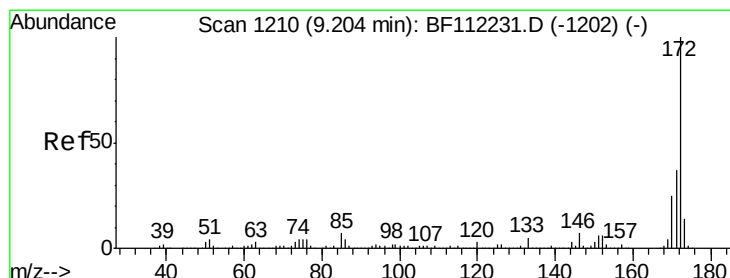
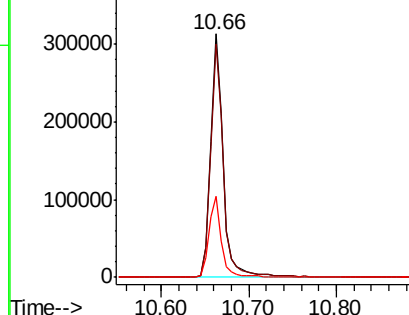
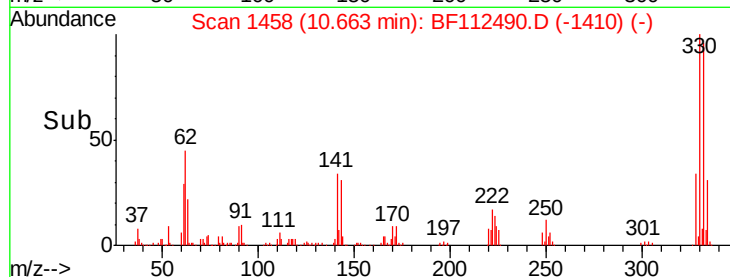
330 100

332 96.7 76.6 114.8

141 33.5 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: 97.759 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112490.D

Acq: 11 Feb 2019 19:31

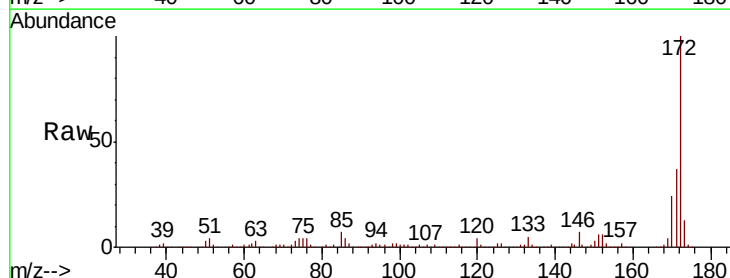
Tgt Ion:172 Resp: 1544268

Ion Ratio Lower Upper

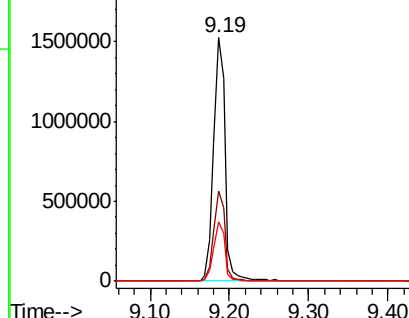
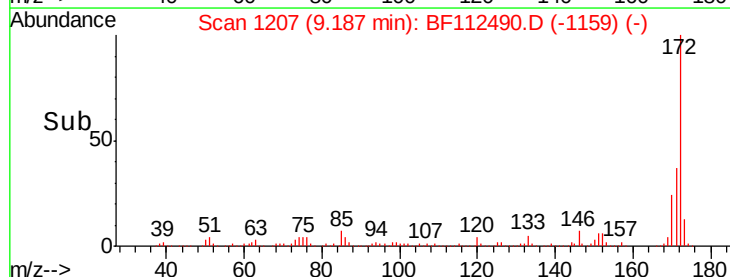
172 100

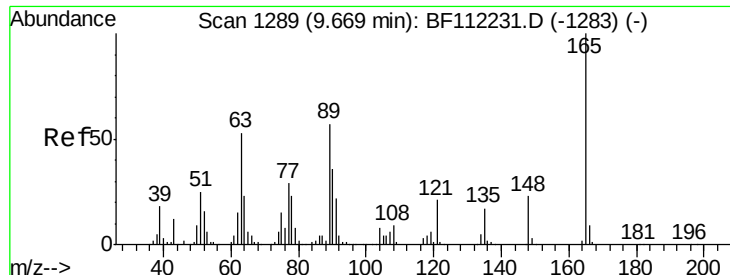
171 37.0 30.5 45.7

170 24.4 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: 7.308 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112490.D

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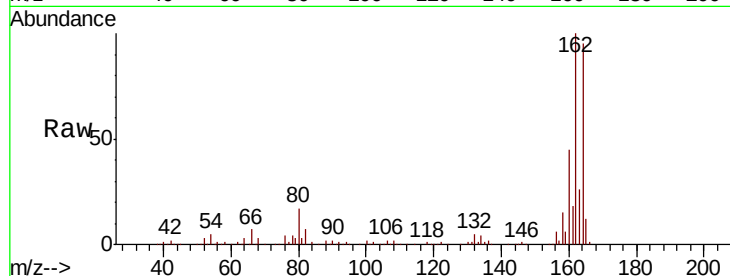
Tgt Ion:165 Resp: 28409

Ion Ratio Lower Upper

165 100

63 1.4 33.8 50.8#

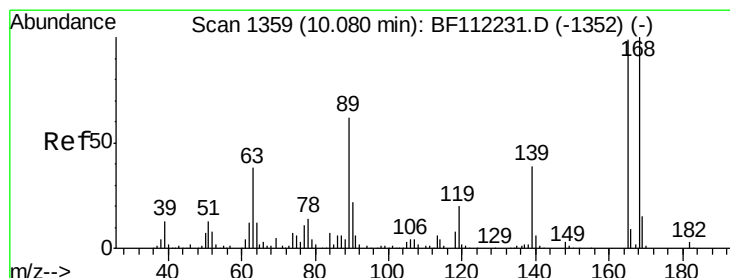
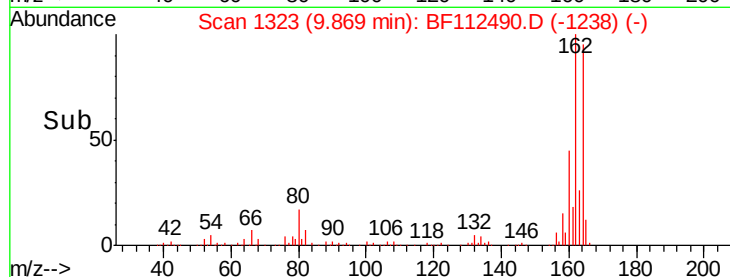
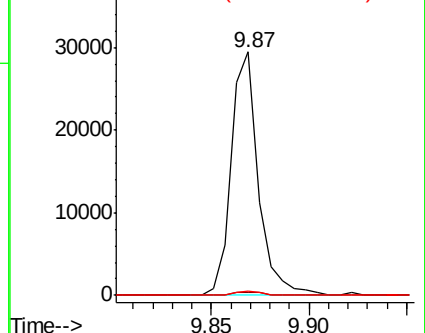
89 1.6 36.9 55.3#



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: 5.740 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112490.D

Acq: 11 Feb 2019 19:31

Tgt Ion:165 Resp: 28409

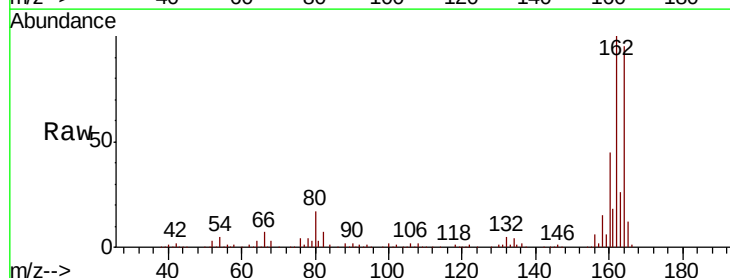
Ion Ratio Lower Upper

165 100

63 1.4 27.9 41.9#

89 1.6 47.9 71.9#

182 0.0 2.2 3.4#

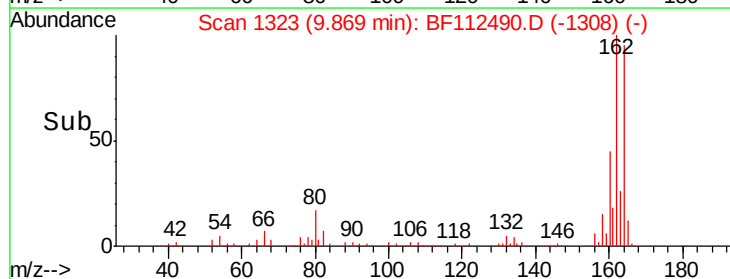
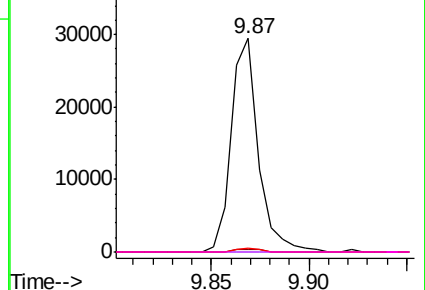


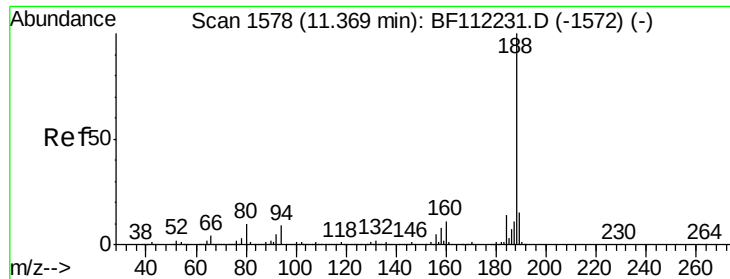
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112490.D

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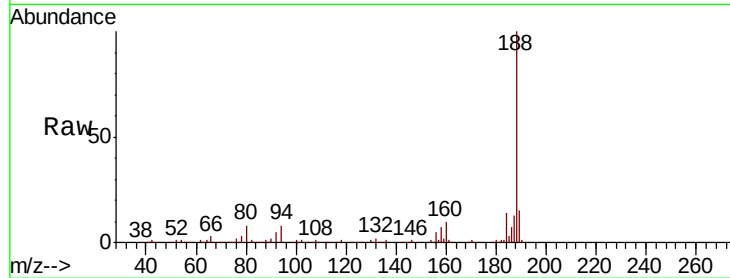
Tgt Ion:188 Resp: 358429

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

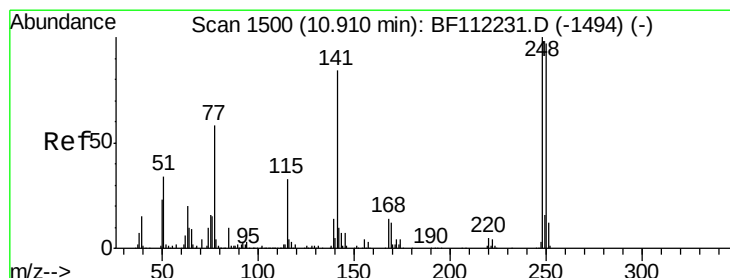
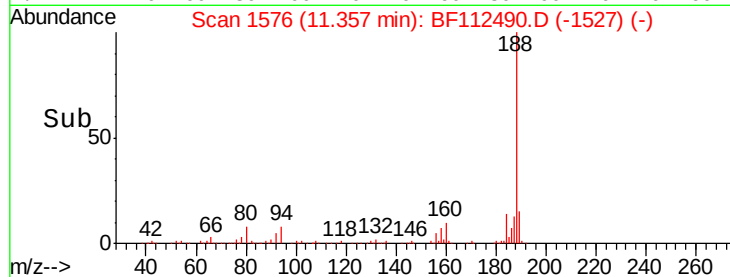
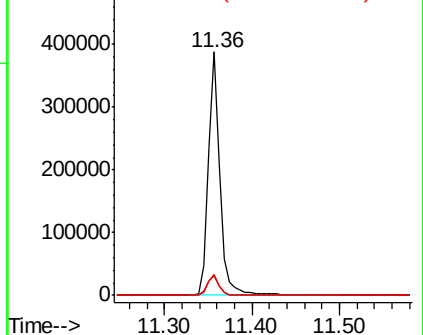
80 8.4 8.9 13.3#



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: 4.645 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF112490.D

Acq: 11 Feb 2019 19:31

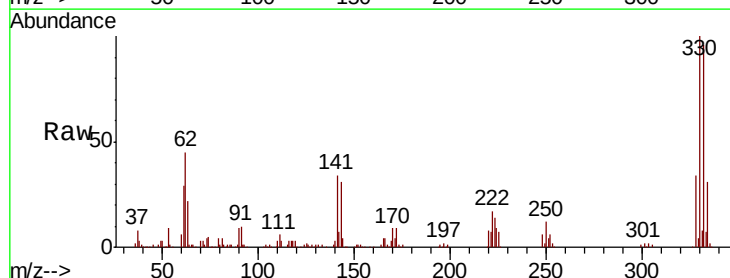
Tgt Ion:248 Resp: 19582

Ion Ratio Lower Upper

248 100

250 193.5 79.7 119.5#

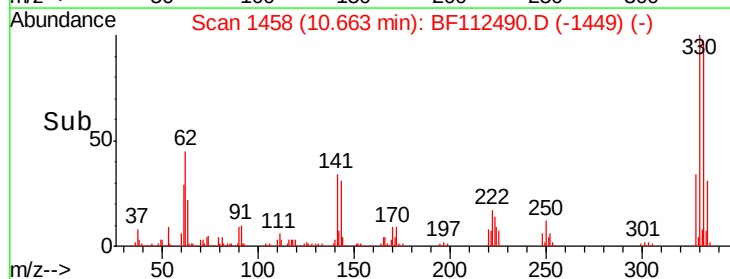
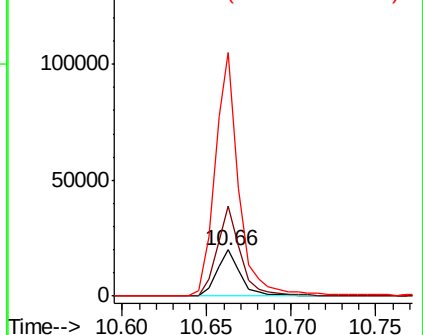
141 524.7 60.3 90.5#

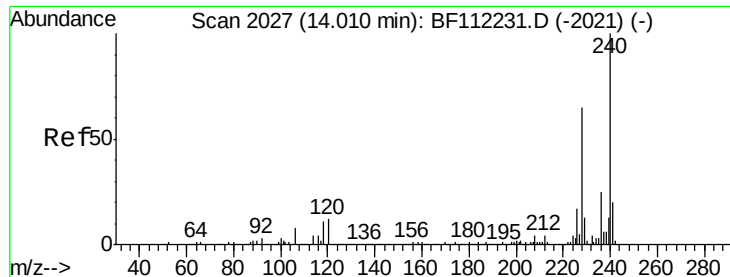


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF112490.D

Acq: 11 Feb 2019 19:31

Instrument :

BNA_F

ClientSampleId :

COMP-11

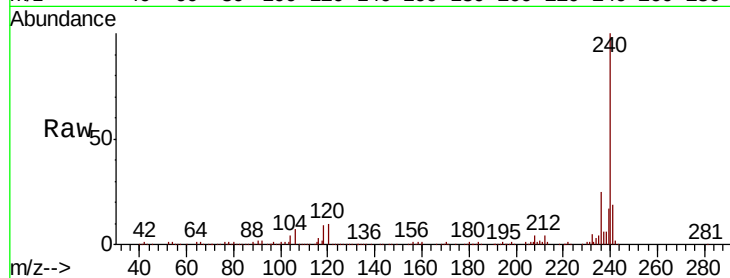
Tgt Ion:240 Resp: 280050

Ion Ratio Lower Upper

240 100

120 9.9 9.0 13.6

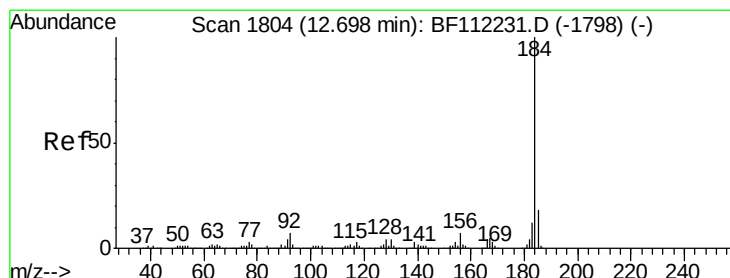
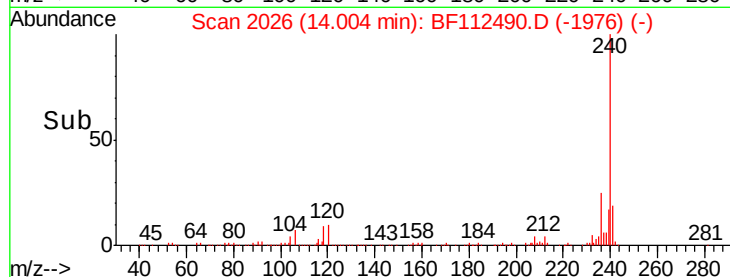
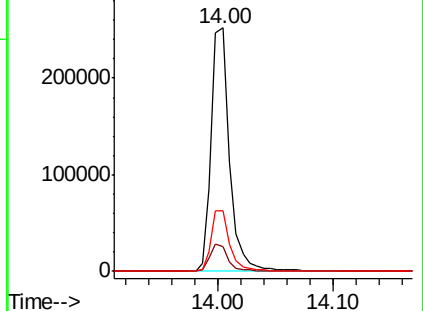
236 25.1 20.7 31.1



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: 2.149 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.24 min

Lab File: BF112490.D

Acq: 11 Feb 2019 19:31

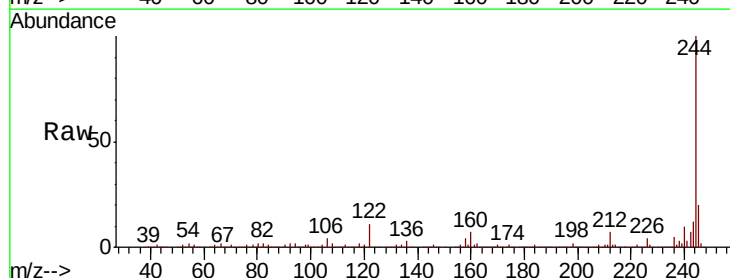
Tgt Ion:184 Resp: 16565

Ion Ratio Lower Upper

184 100

185 15.1 13.9 20.9

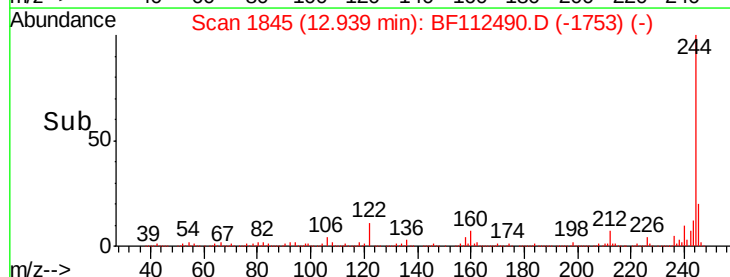
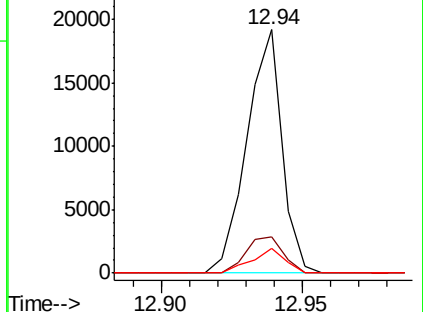
183 10.3 10.0 15.0

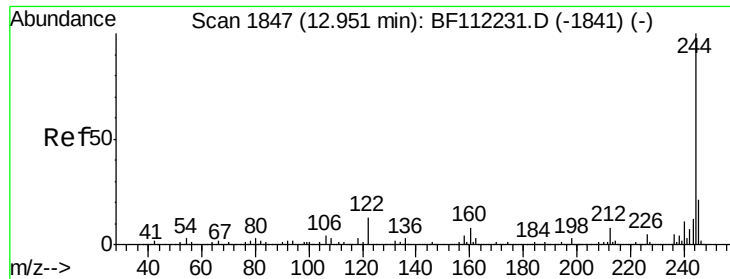


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 82.049 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112490.D

Acq: 11 Feb 2019 19:31

Instrument :

BNA_F

ClientSampleId :

COMP-11

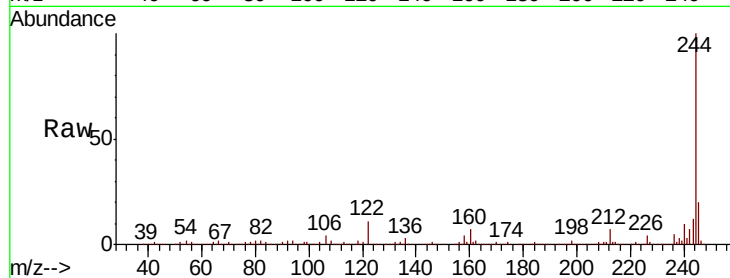
Tgt Ion:244 Resp: 1219988

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

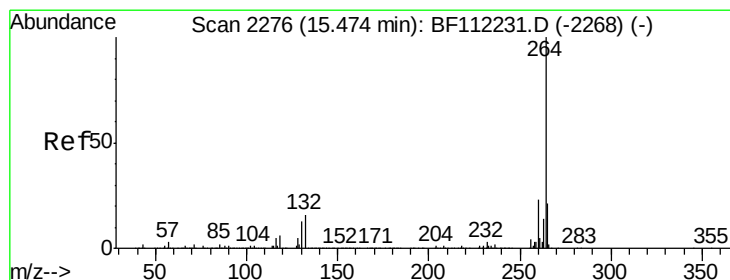
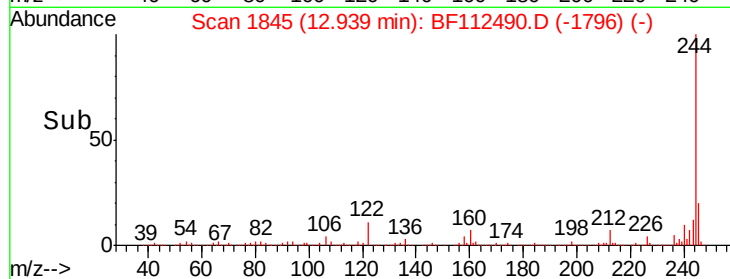
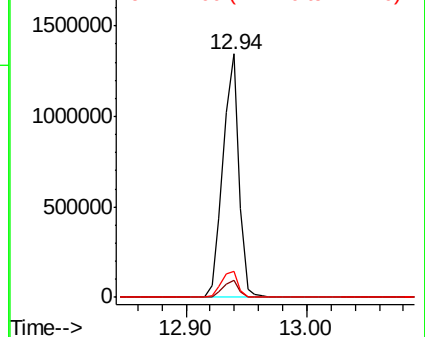
122 10.8 9.8 14.6



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: BF112490.D

Acq: 11 Feb 2019 19:31

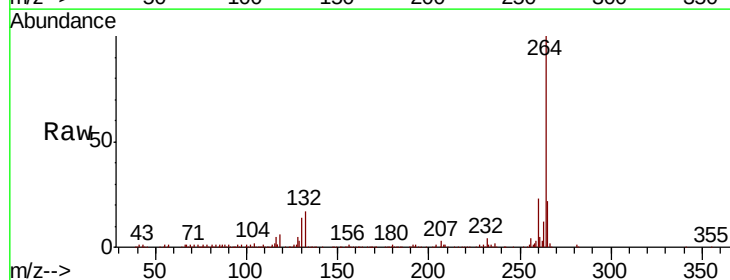
Tgt Ion:264 Resp: 291597

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.2

265 21.7 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

