

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021119\
 Data File : BF112486.D
 Acq On : 11 Feb 2019 17:43
 Operator : JU/SJ
 Sample : K1453-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-9-S

Quant Time: Feb 12 00:00:25 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

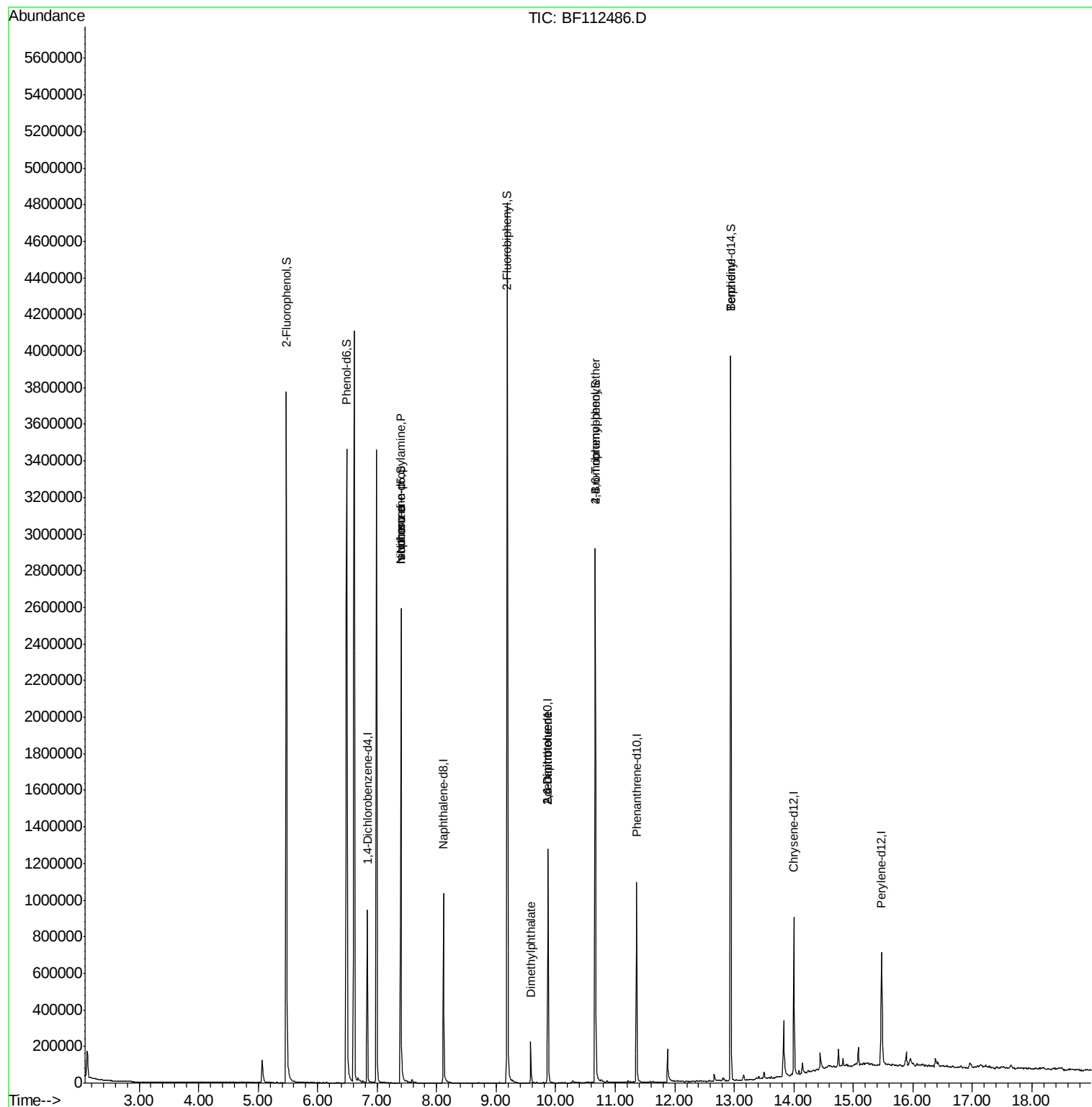
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	150002	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	560443	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	256710	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	415460	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	311264	20.00	ng	0.00
87) Perylene-d12	15.47	264	299679	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1124912	159.29	ng	0.00
7) Phenol-d6	6.49	99	1418365	144.54	ng	0.00
23) Nitrobenzene-d5	7.40	82	906818	93.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	368759	123.41	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1658906	91.40	ng	-0.02
79) Terphenyl-d14	12.94	244	1267407	76.69	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	122842	18.154	ng	# 75
25) Isophorone	7.40	82	906900	59.434	ng	# 63
50) Dimethylphthalate	9.58	163	101835	5.106	ng	98
51) 2,6-Dinitrotoluene	9.87	165	32436	7.261	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	32436	5.704	ng	# 31
67) 4-Bromophenyl-phenylether	10.66	248	21843	4.470	ng	# 1
77) Benzidine	12.94	184	17330	2.023	ng	97

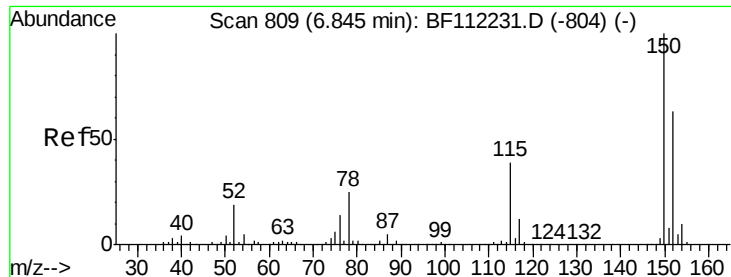
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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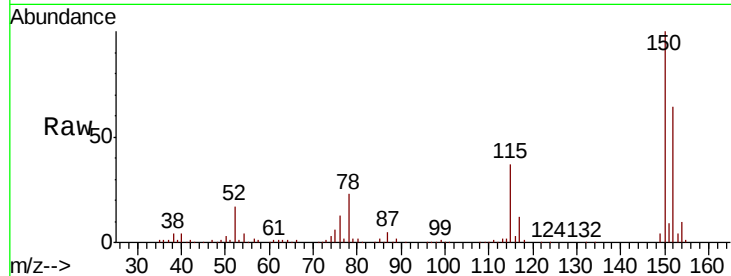


#1

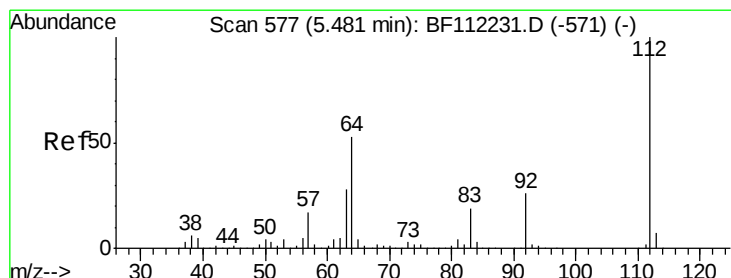
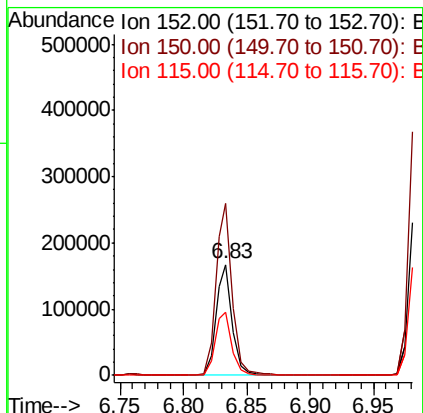
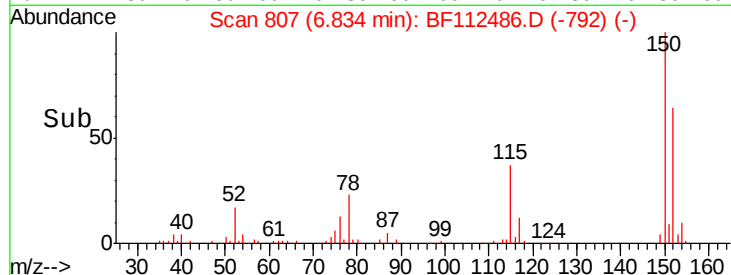
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112486.D
Acq: 11 Feb 2019 17:43

Instrument :
BNA_F
ClientSampleId :
M-9-S

Tgt Ion:152 Resp: 150002
Ion Ratio Lower Upper
152 100
150 155.6 127.4 191.0
115 57.1 45.5 68.3



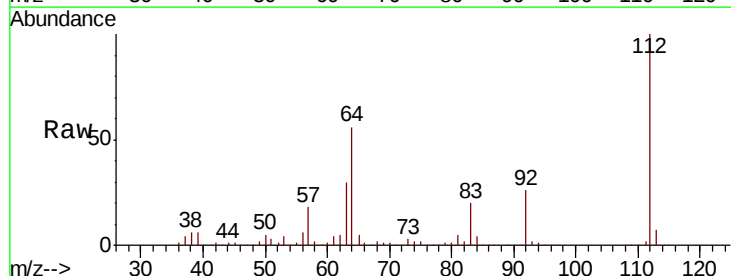
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



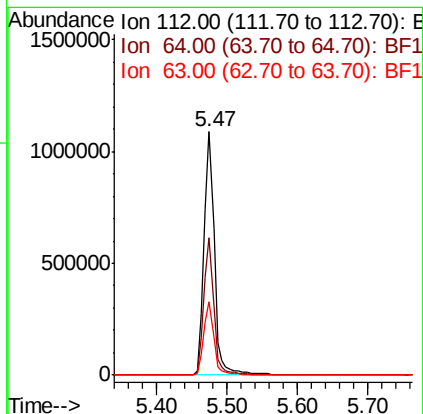
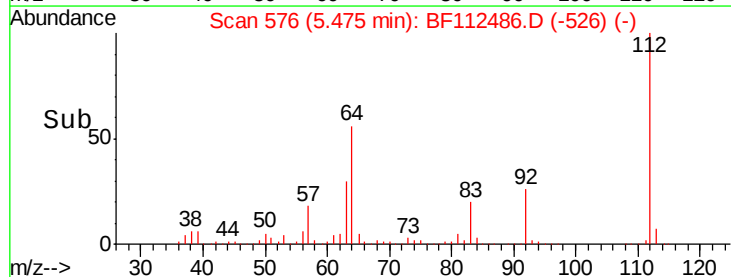
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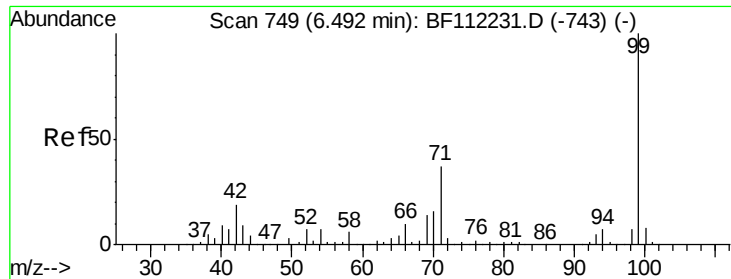
2-Fluorophenol
Concen: 159.290 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112486.D
Acq: 11 Feb 2019 17:43

Tgt Ion:112 Resp: 1124912
Ion Ratio Lower Upper
112 100
64 56.3 45.7 68.5
63 30.3 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: 144.539 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112486.D

Acq: 11 Feb 2019 17:43

Instrument :

BNA_F

ClientSampleId :

M-9-S

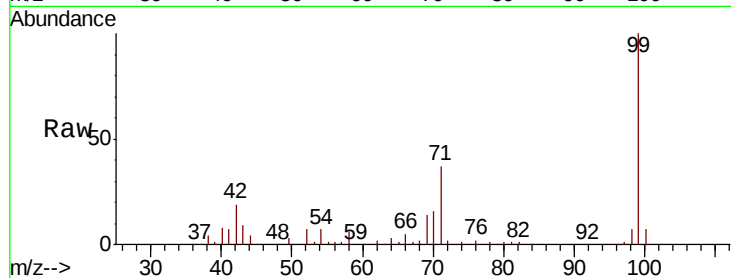
Tgt Ion: 99 Resp: 1418365

Ion Ratio Lower Upper

99 100

42 19.4 15.1 22.7

71 37.4 26.9 40.3

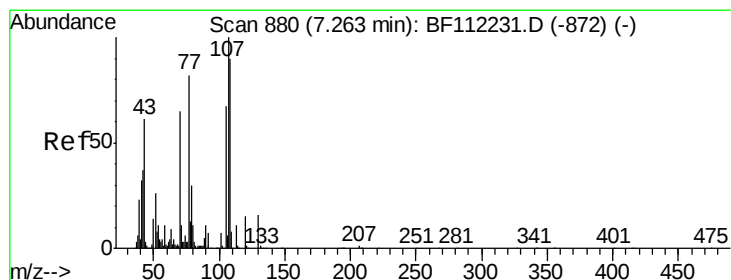
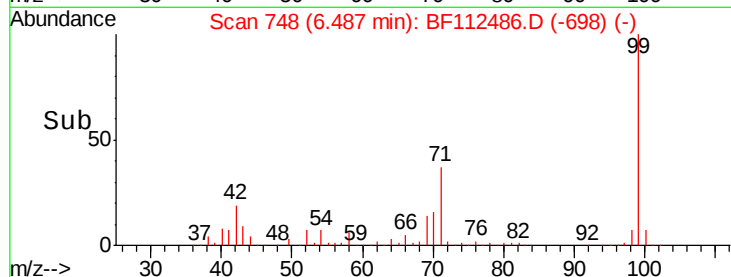
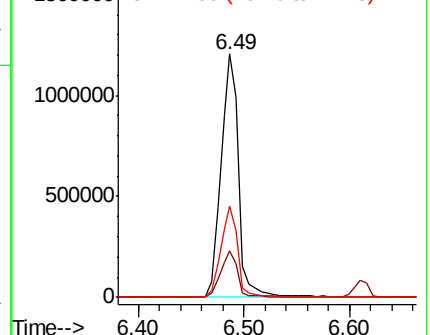


Abundance

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: 18.154 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112486.D

Acq: 11 Feb 2019 17:43

Tgt Ion: 70 Resp: 122842

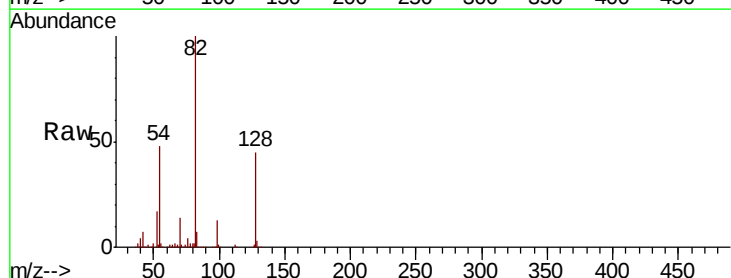
Ion Ratio Lower Upper

70 100

42 46.4 47.6 71.4#

101 0.0 7.9 11.9#

130 2.4 18.4 27.6#



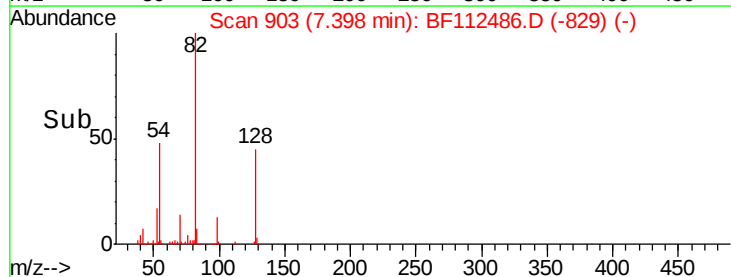
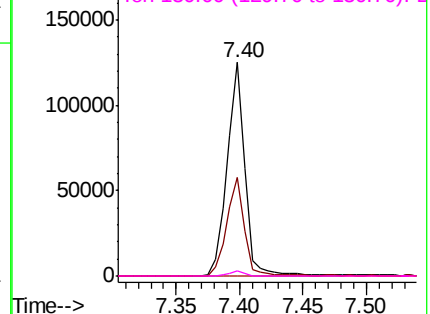
Abundance

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: BF112486.D

Acq: 11 Feb 2019 17:43

Instrument :

BNA_F

ClientSampleId :

M-9-S

Tgt Ion:136 Resp: 560443

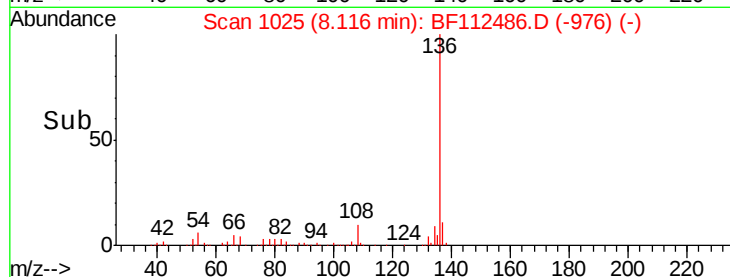
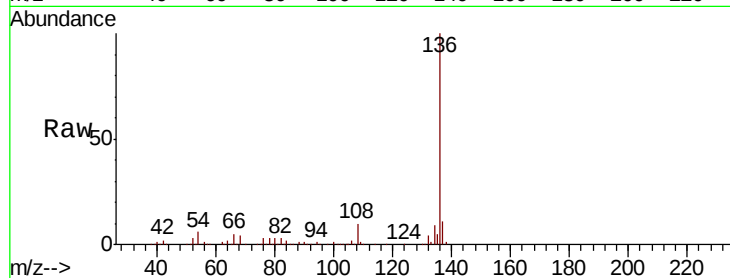
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 5.5 5.9 8.9#

68 4.2 5.1 7.7#



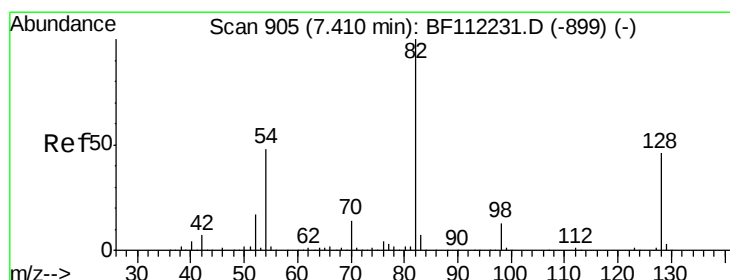
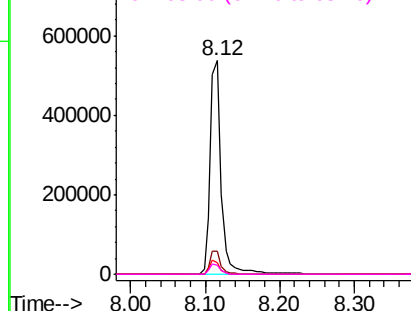
Abundance

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: 93.231 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112486.D

Acq: 11 Feb 2019 17:43

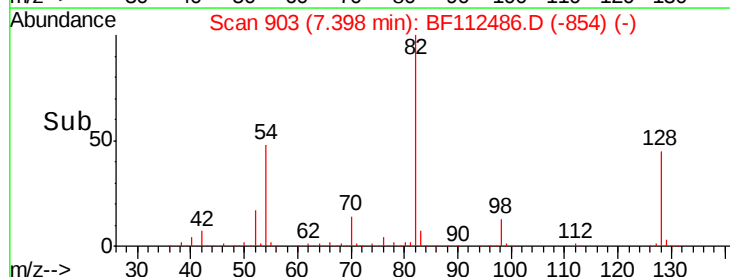
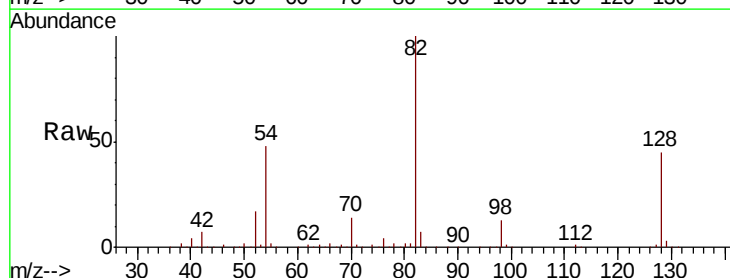
Tgt Ion: 82 Resp: 906818

Ion Ratio Lower Upper

82 100

128 45.0 37.8 56.8

54 48.1 39.7 59.5

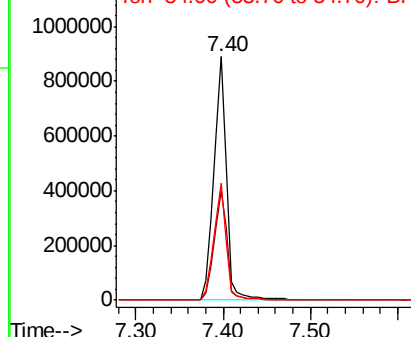


Abundance

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: 59.434 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112486.D

Acq: 11 Feb 2019 17:43

Instrument :

BNA_F

ClientSampleId :

M-9-S

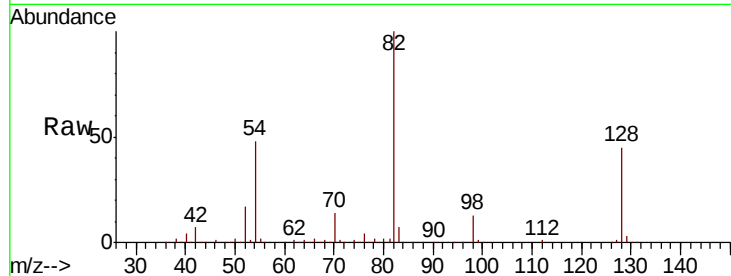
Tgt Ion: 82 Resp: 906900

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

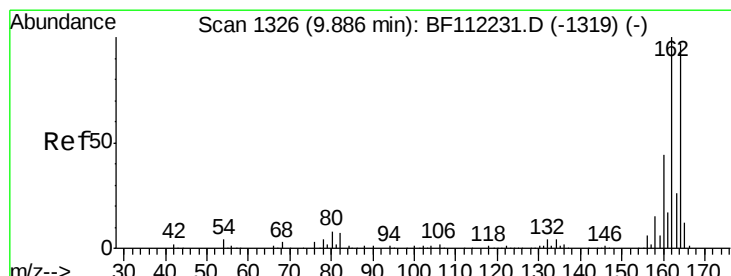
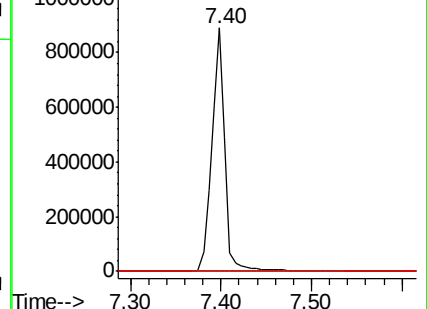
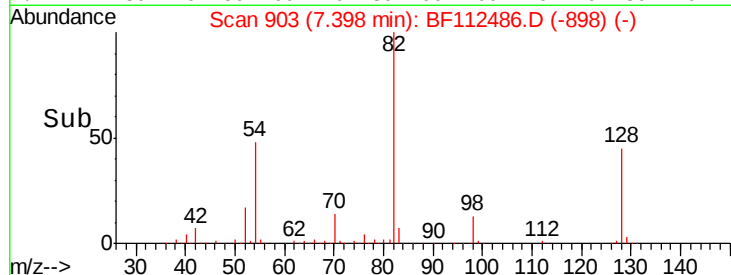
138 0.0 15.4 23.0#



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: BF112486.D

Acq: 11 Feb 2019 17:43

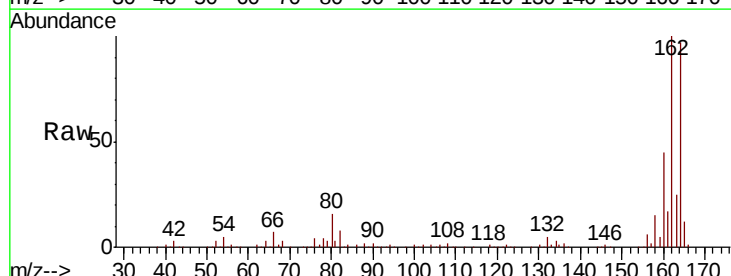
Tgt Ion: 164 Resp: 256710

Ion Ratio Lower Upper

164 100

162 102.8 82.2 123.4

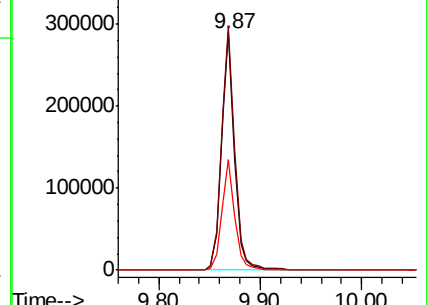
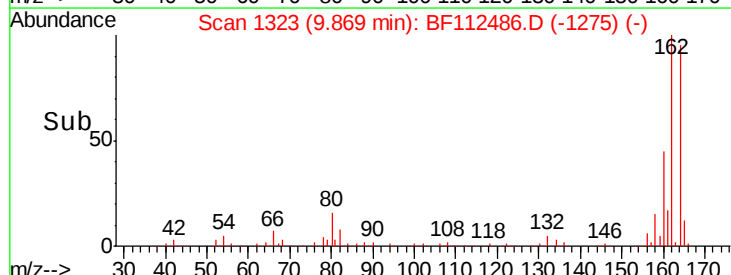
160 46.5 36.2 54.4

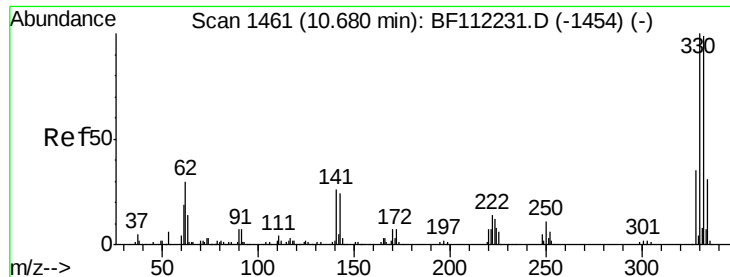


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

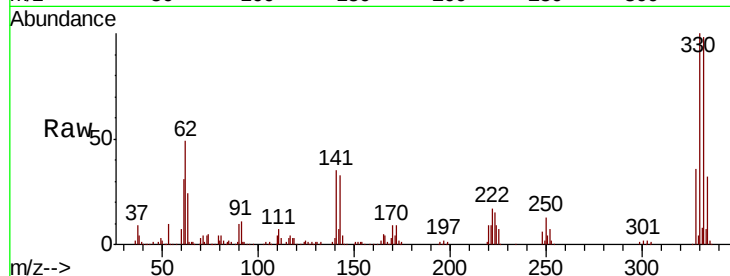




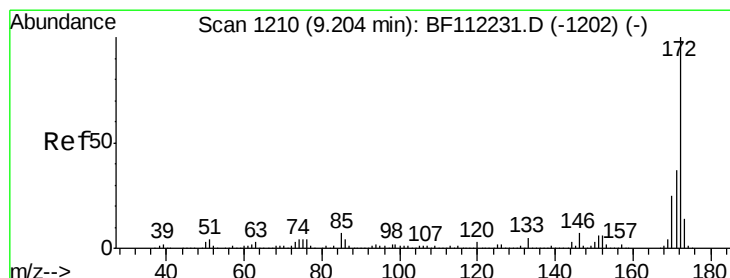
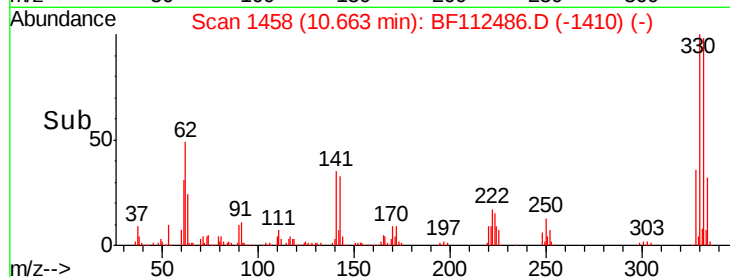
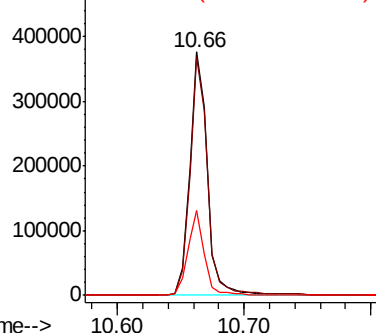
#42
 2,4,6-Tribromophenol
 Concen: 123.412 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112486.D
 Acq: 11 Feb 2019 17:43

Instrument :
 BNA_F
 ClientSampleId :
 M-9-S

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.6	114.8
141	33.1	24.3	36.5

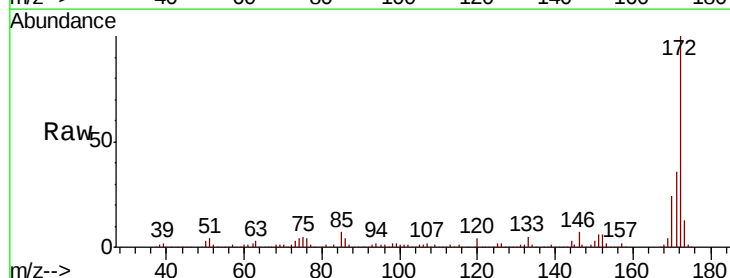


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

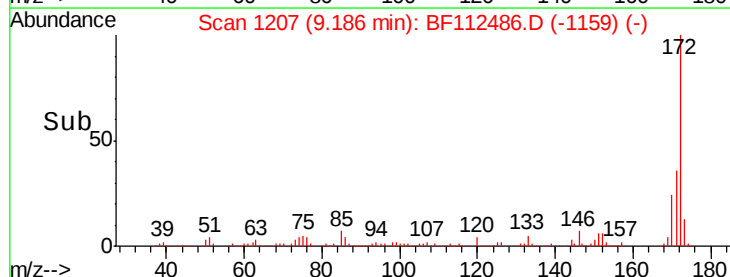
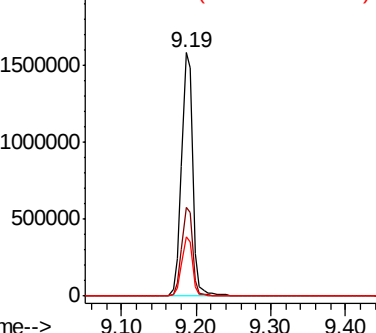


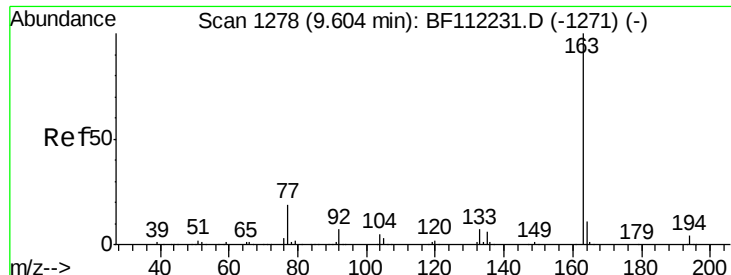
#45
 2-Fluorobiphenyl
 Concen: 91.397 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112486.D
 Acq: 11 Feb 2019 17:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	24.3	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

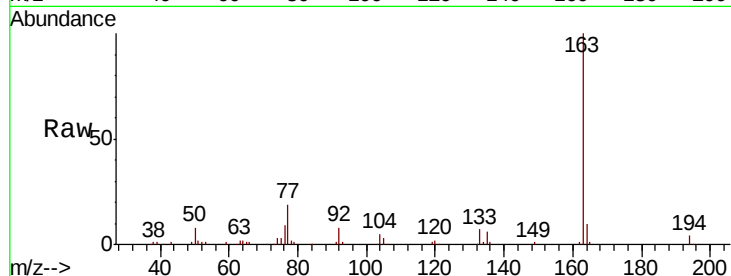




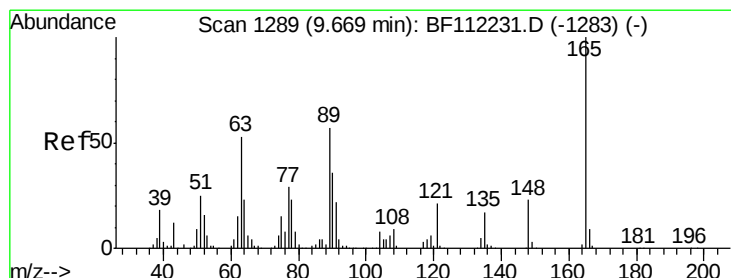
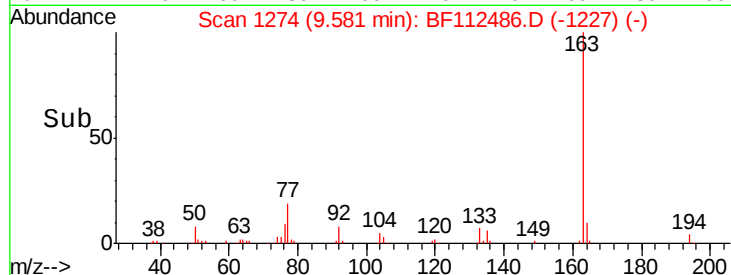
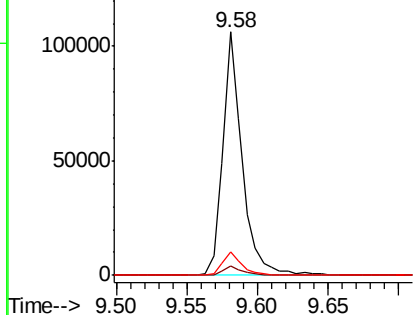
#50
Dimethylphthalate
Concen: 5.106 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112486.D
Acq: 11 Feb 2019 17:43

Instrument :
BNA_F
ClientSampled :
M-9-S

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.6	8.5	12.7

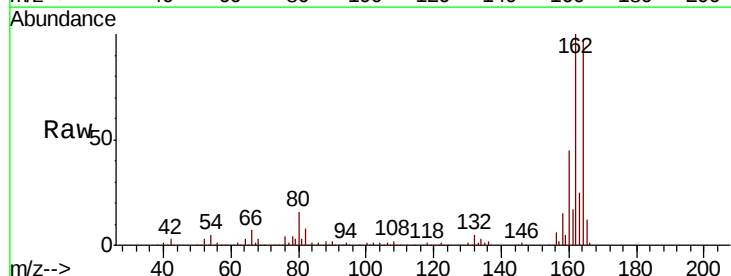


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

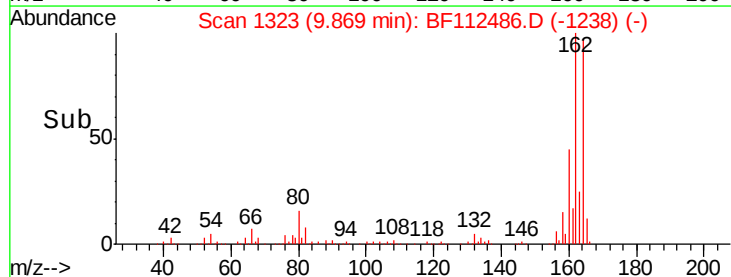
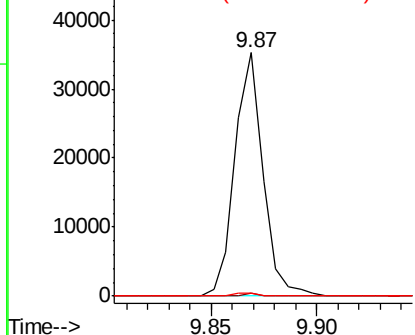


#51
2,6-Dinitrotoluene
Concen: 7.261 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.20 min
Lab File: BF112486.D
Acq: 11 Feb 2019 17:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	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

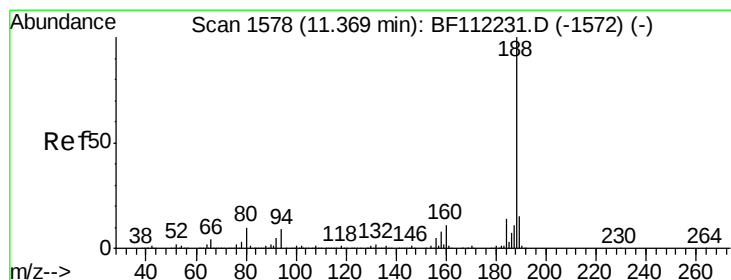
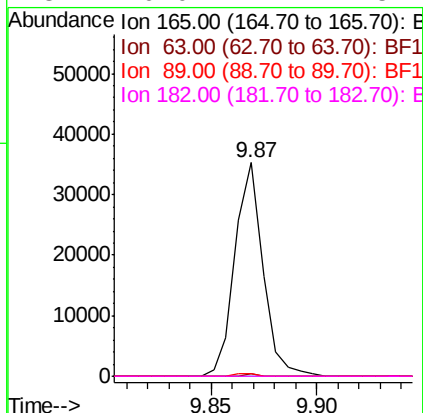
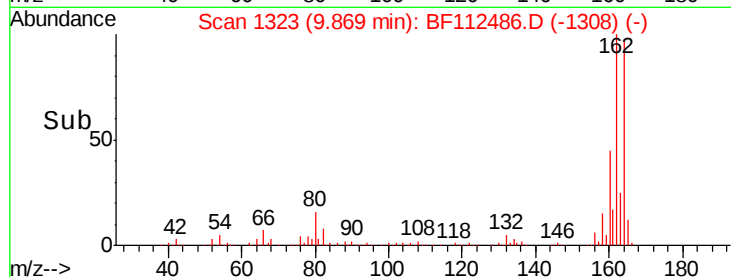
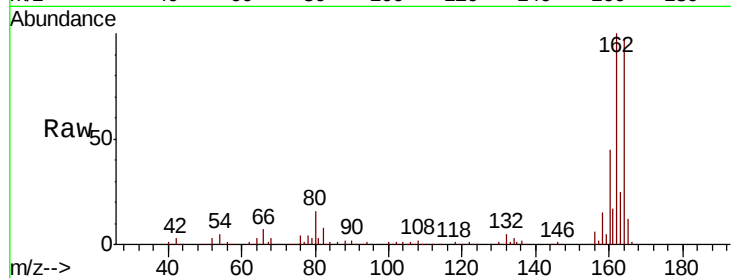




#57
2,4-Dinitrotoluene
Concen: 5.704 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF112486.D
Acq: 11 Feb 2019 17:43

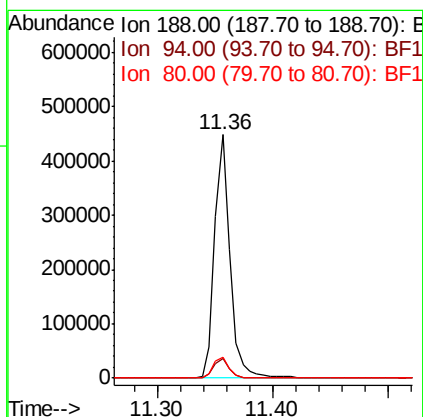
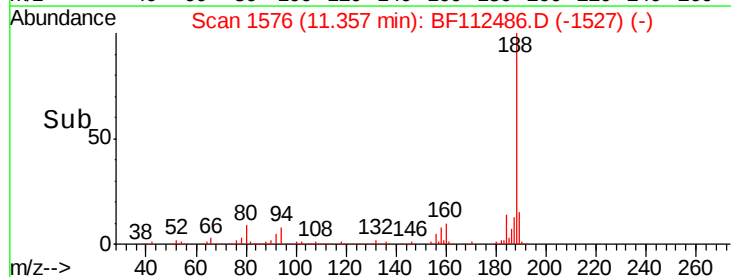
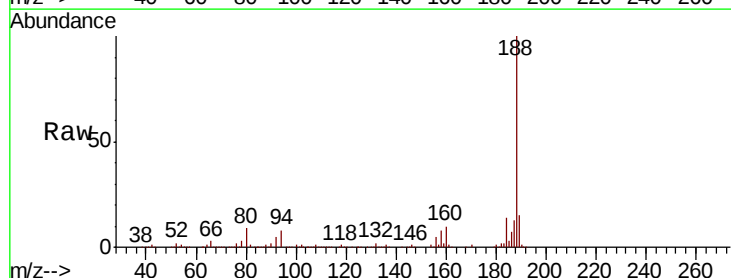
Instrument :
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M-9-S

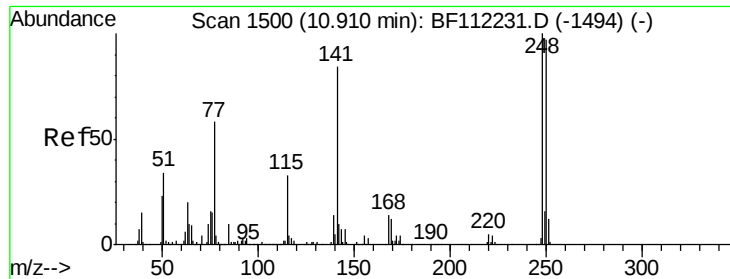
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	27.9	41.9#
89	1.5	47.9	71.9#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112486.D
Acq: 11 Feb 2019 17:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.2	12.2#
80	8.6	8.9	13.3#

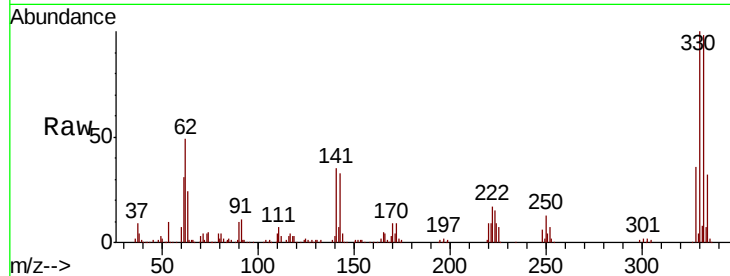




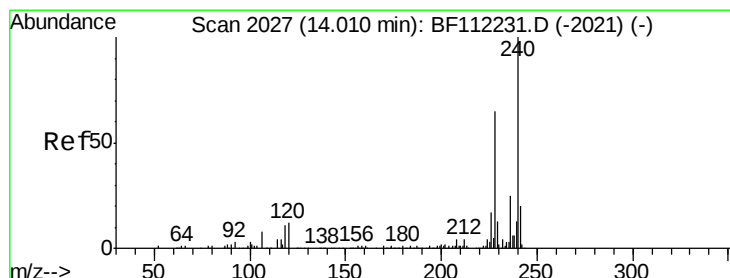
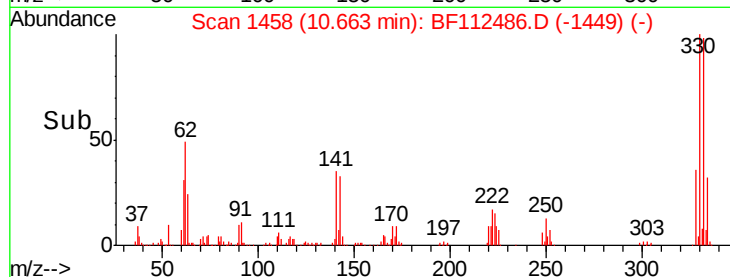
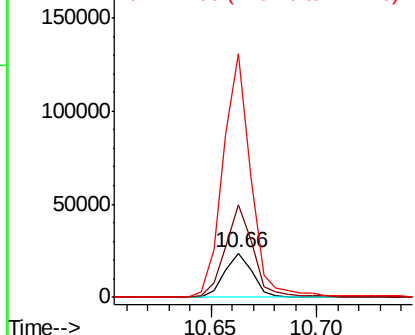
#67
4-Bromophenyl-phenylether
Concen: 4.470 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112486.D
Acq: 11 Feb 2019 17:43

Instrument :
BNA_F
ClientSampleId :
M-9-S

Tgt Ion:248 Resp: 21843
Ion Ratio Lower Upper
248 100
250 210.1 79.7 119.5#
141 552.0 60.3 90.5#

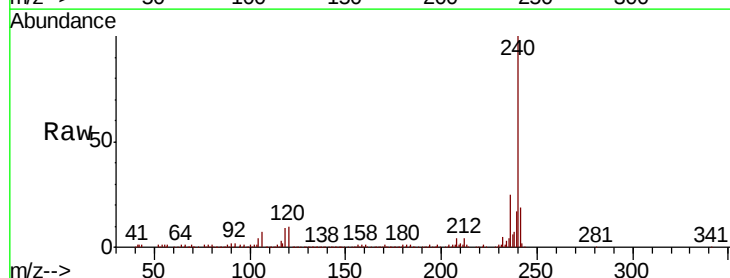


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

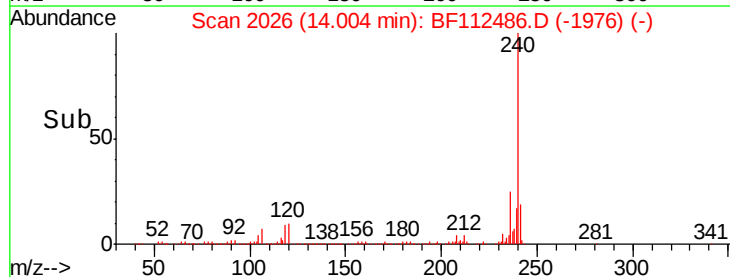
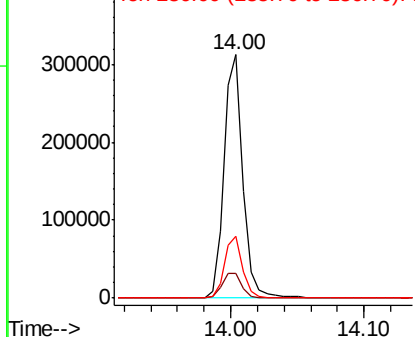


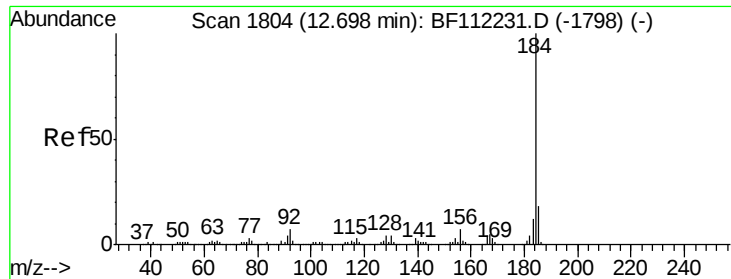
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112486.D
Acq: 11 Feb 2019 17:43

Tgt Ion:240 Resp: 311264
Ion Ratio Lower Upper
240 100
120 10.4 9.0 13.6
236 25.2 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: 2.023 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.24 min

Lab File: BF112486.D

Acq: 11 Feb 2019 17:43

Instrument :

BNA_F

ClientSampled :

M-9-S

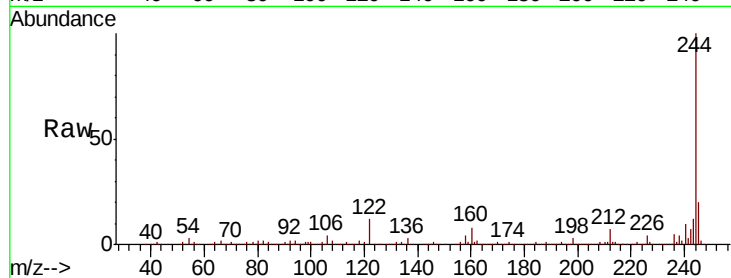
Tgt Ion:184 Resp: 17330

Ion Ratio Lower Upper

184 100

185 15.8 13.9 20.9

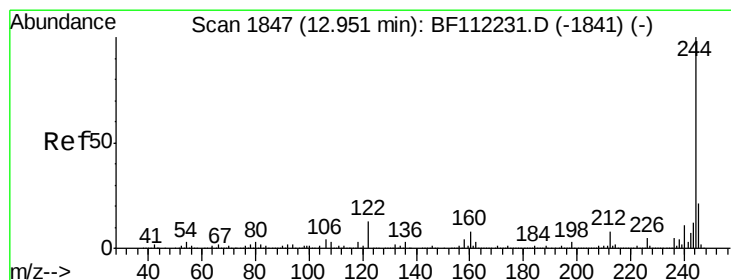
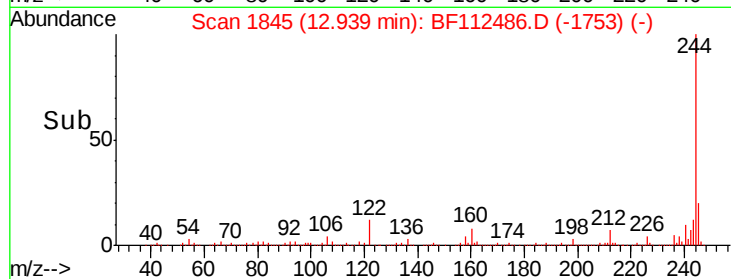
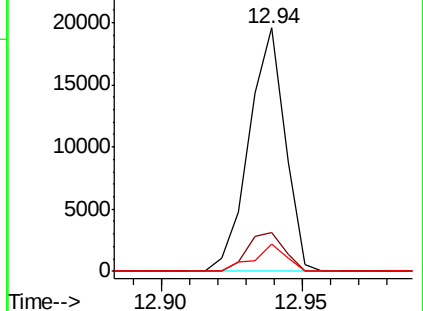
183 11.3 10.0 15.0



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: 76.690 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112486.D

Acq: 11 Feb 2019 17:43

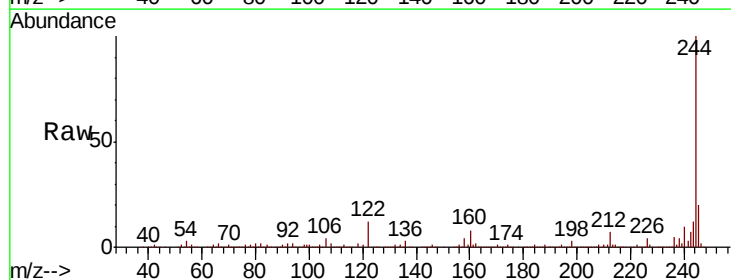
Tgt Ion:244 Resp: 1267407

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

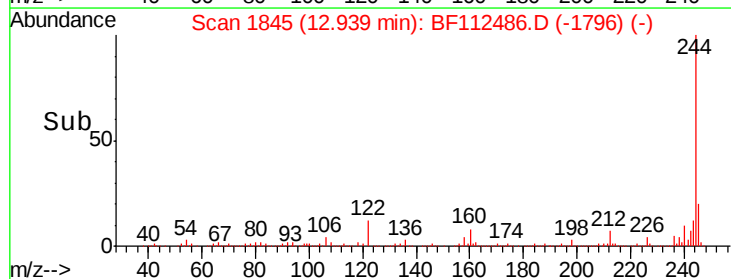
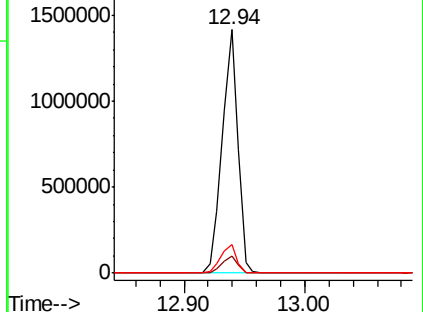
122 11.7 9.8 14.6

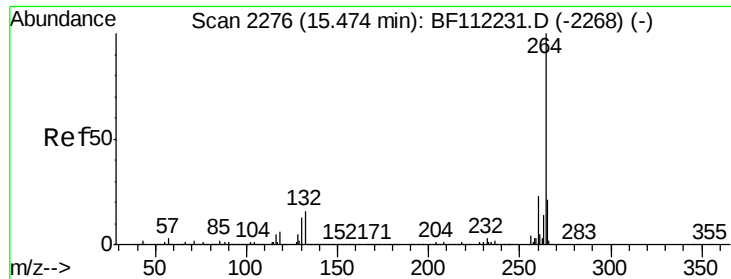


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF112486.D
Acq: 11 Feb 2019 17:43

Instrument :
BNA_F
ClientSampleId :
M-9-S

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.2
265	22.4	17.0	25.4

