

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021119\
 Data File : BF112494.D
 Acq On : 11 Feb 2019 21:20
 Operator : JU/SJ
 Sample : K1453-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-8-D

Quant Time: Feb 12 00:01:46 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

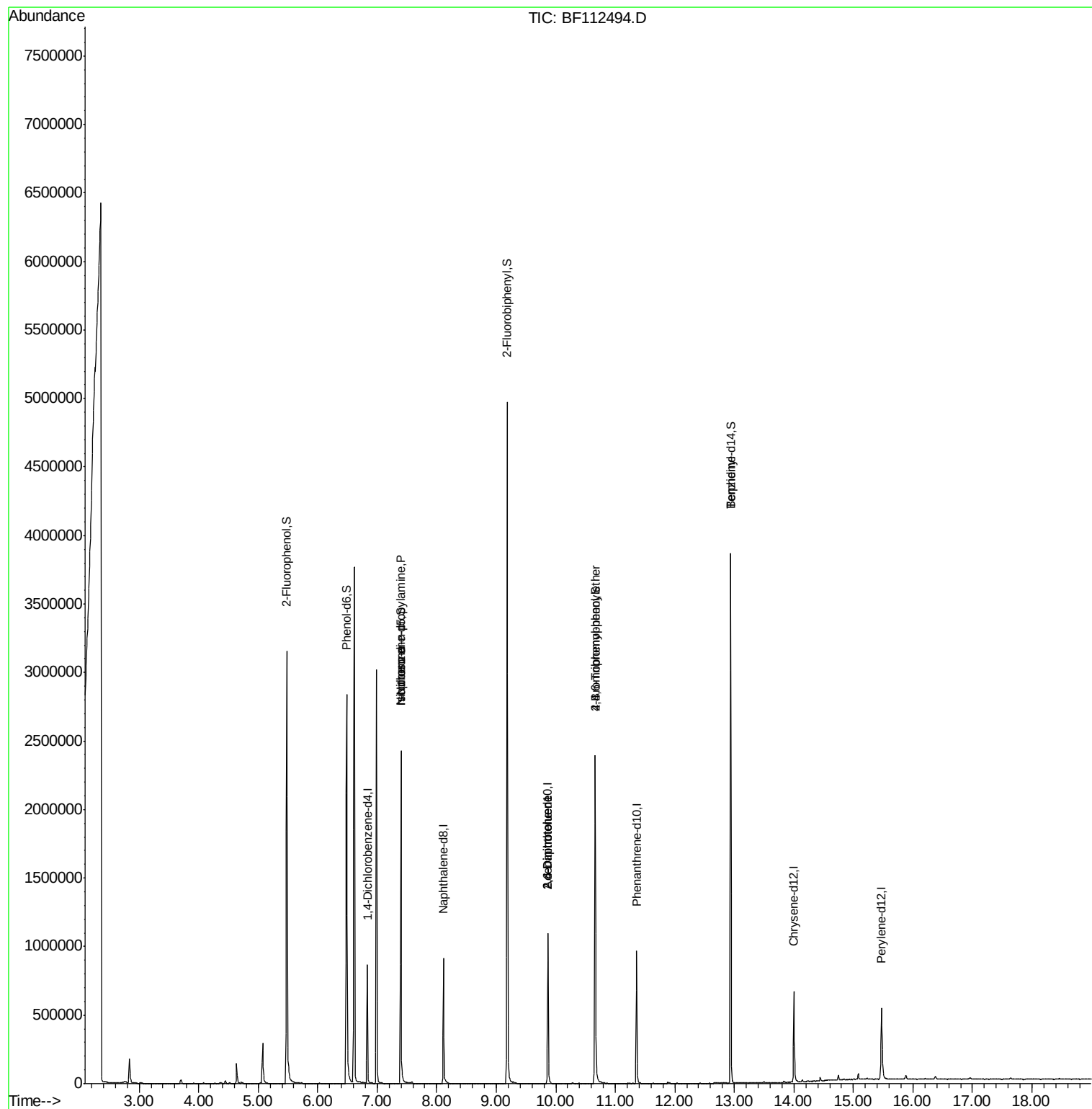
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	140548	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	517295	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	235559	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	382230	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	283601	20.00	ng	0.00
87) Perylene-d12	15.47	264	284168	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	938597	141.85	ng	0.00
7) Phenol-d6	6.49	99	1050961	114.30	ng	0.00
23) Nitrobenzene-d5	7.40	82	823904	91.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	343287	125.20	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1579668	94.85	ng	-0.02
79) Terphenyl-d14	12.94	244	1263201	83.89	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	111301	17.555	ng	# 76
25) Isophorone	7.40	82	823899	58.498	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	28990	7.073	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	28990	5.556	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	20573	4.576	ng	# 1
77) Benzidine	12.94	184	17224	2.207	ng	# 93

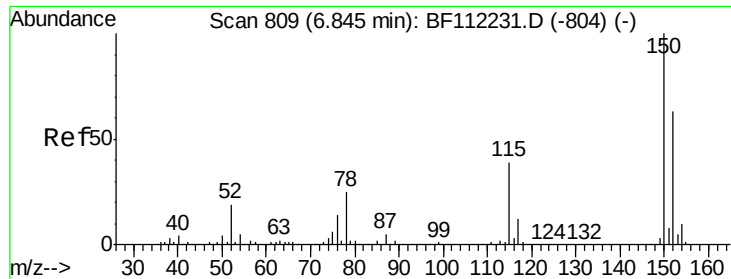
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF112494.D

Acq: 11 Feb 2019 21:20

Instrument :

BNA_F

ClientSampled :

M-8-D

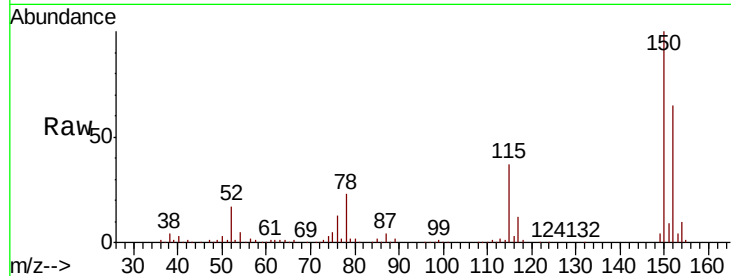
Tgt Ion:152 Resp: 140548

Ion Ratio Lower Upper

152 100

150 154.0 127.4 191.0

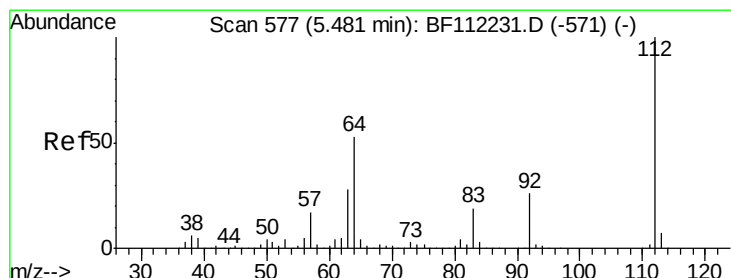
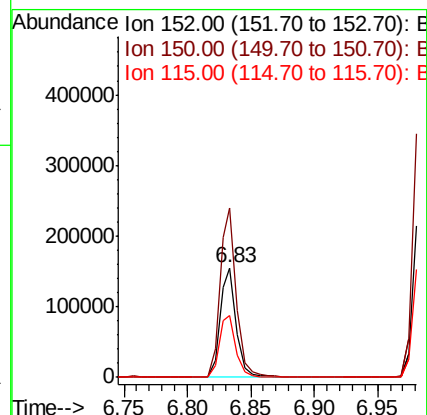
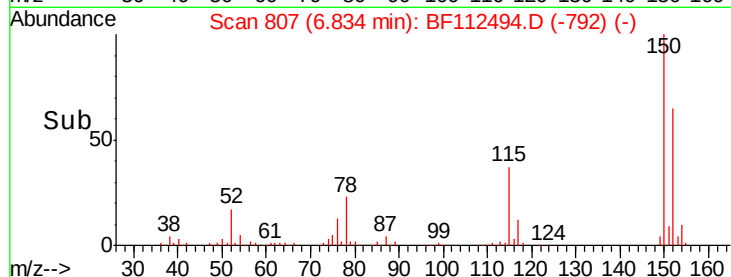
115 56.8 45.5 68.3



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: 141.848 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.00 min

Lab File: BF112494.D

Acq: 11 Feb 2019 21:20

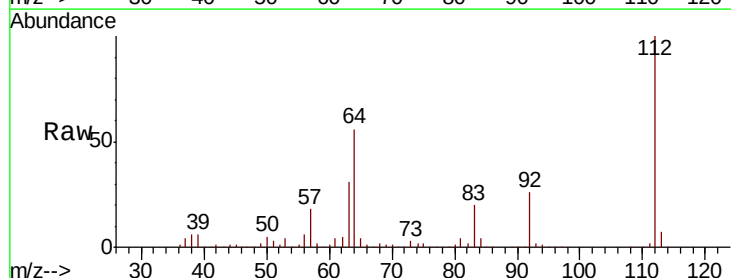
Tgt Ion:112 Resp: 938597

Ion Ratio Lower Upper

112 100

64 56.1 45.7 68.5

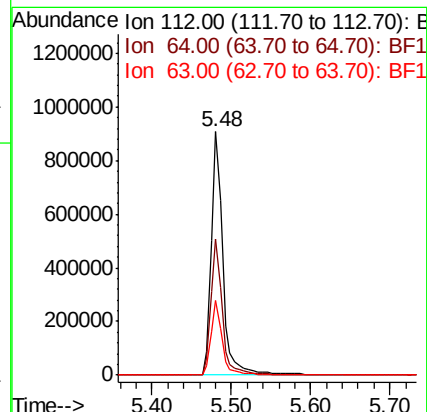
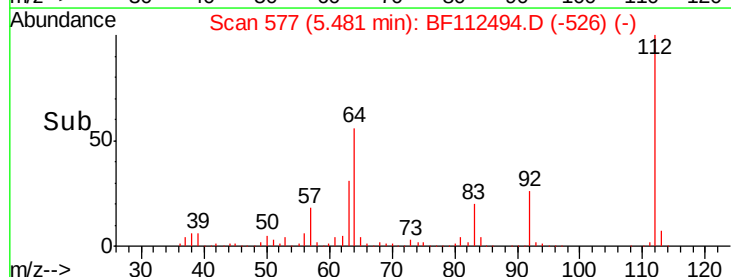
63 30.7 23.6 35.4

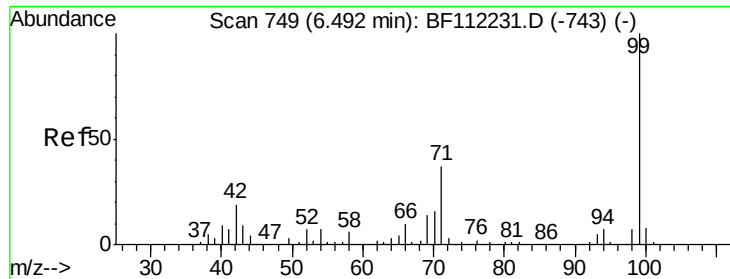


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 114.302 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112494.D

Acq: 11 Feb 2019 21:20

Instrument :

BNA_F

ClientSampled :

M-8-D

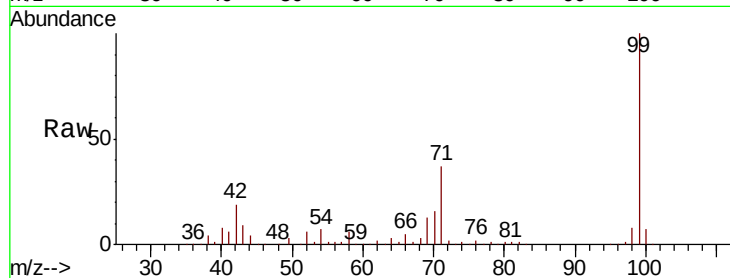
Tgt Ion: 99 Resp: 1050961

Ion Ratio Lower Upper

99 100

42 18.6 15.1 22.7

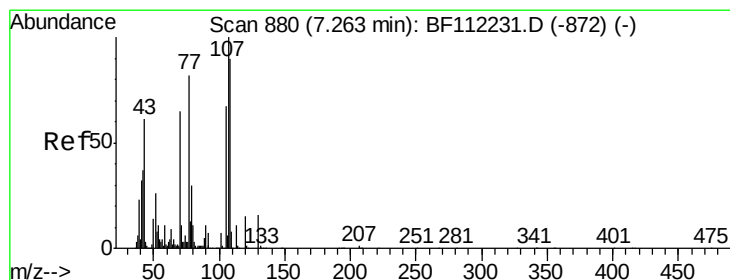
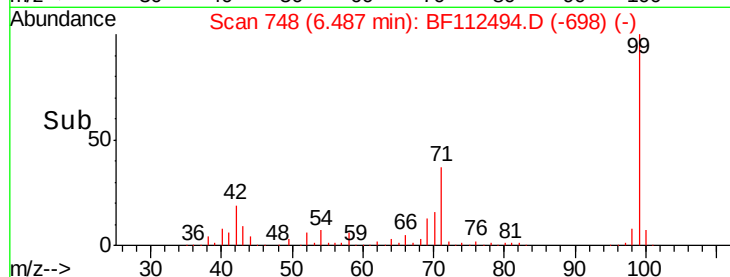
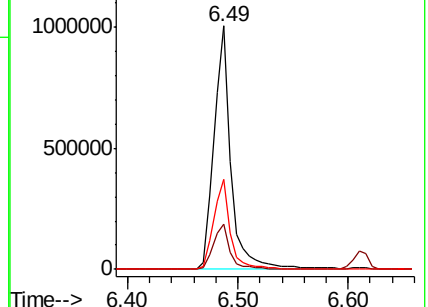
71 36.8 26.9 40.3



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: 17.555 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112494.D

Acq: 11 Feb 2019 21:20

Tgt Ion: 70 Resp: 111301

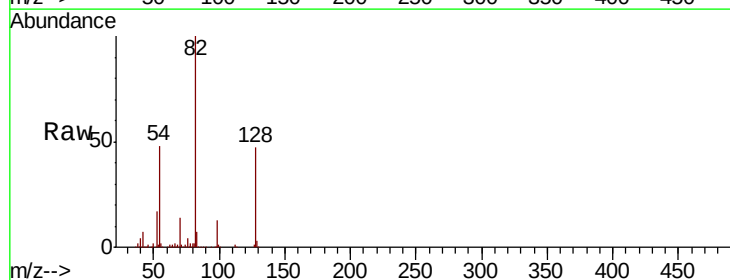
Ion Ratio Lower Upper

70 100

42 47.5 47.6 71.4#

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#

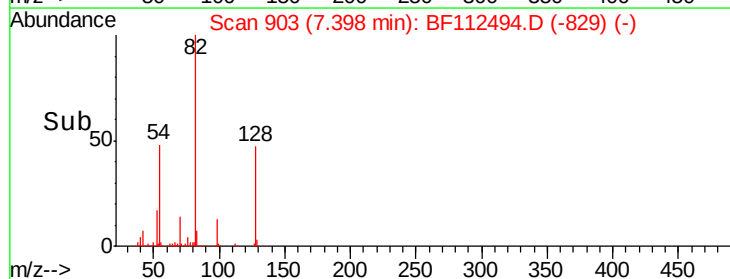
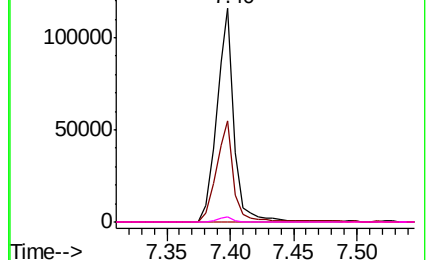


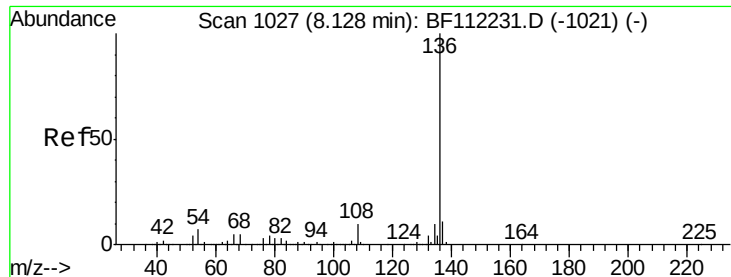
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

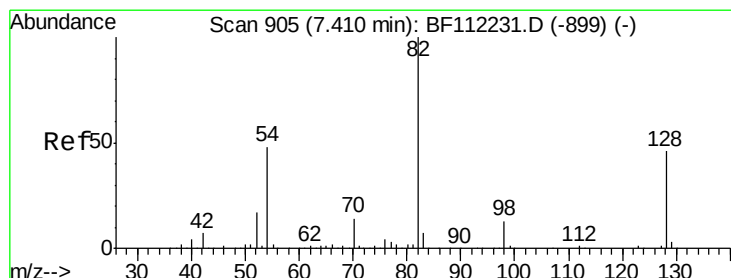
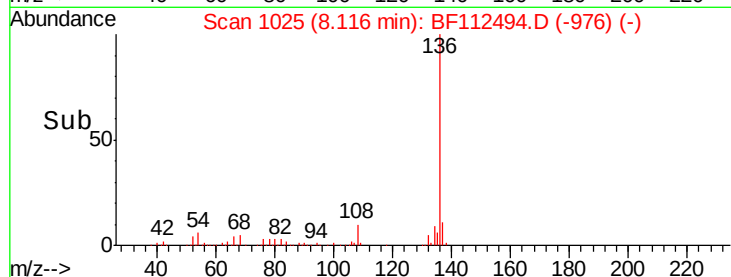
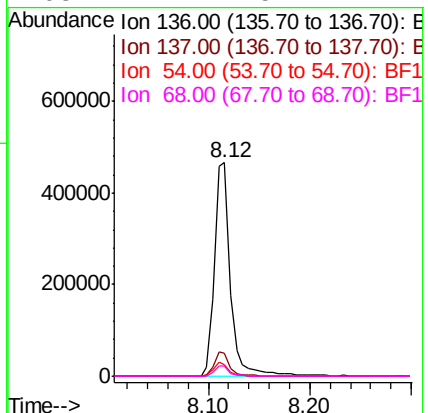
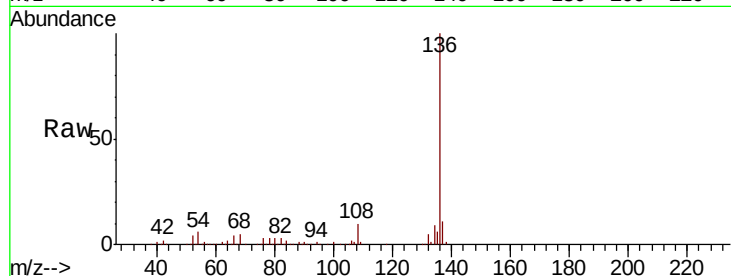




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112494.D
Acq: 11 Feb 2019 21:20

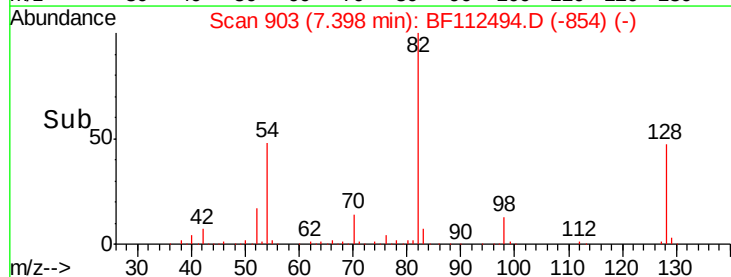
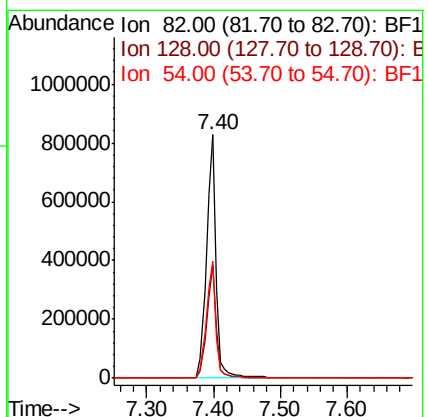
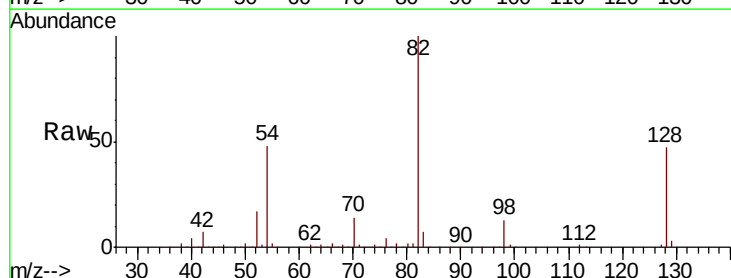
Instrument :
BNA_F
ClientSampleId :
M-8-D

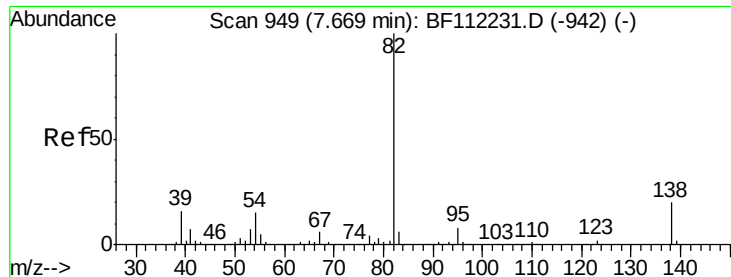
Tgt Ion:	136	Resp:	517295
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.5	5.9	8.9#
68	4.7	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 91.772 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112494.D
Acq: 11 Feb 2019 21:20

Tgt Ion:	82	Resp:	823904
Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.8	56.8
54	47.9	39.7	59.5





#25

Isophorone

Concen: 58.498 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112494.D

Acq: 11 Feb 2019 21:20

Instrument :

BNA_F

ClientSampled :

M-8-D

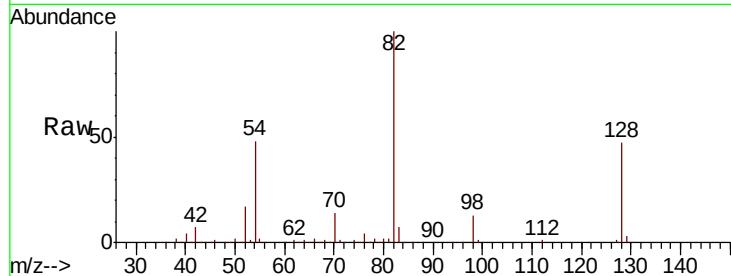
Tgt Ion: 82 Resp: 823899

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

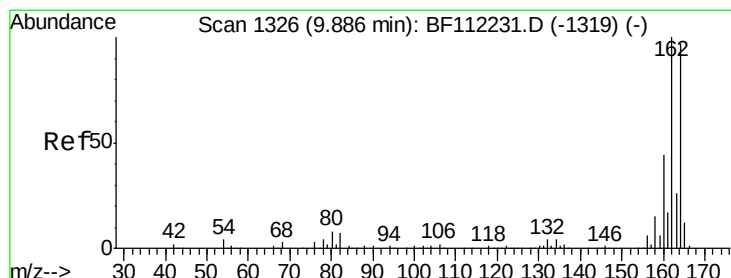
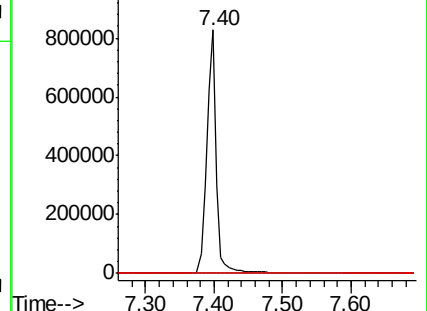
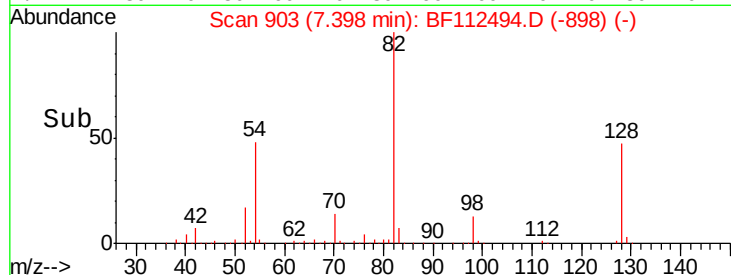
138 0.0 15.4 23.0#



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: BF112494.D

Acq: 11 Feb 2019 21:20

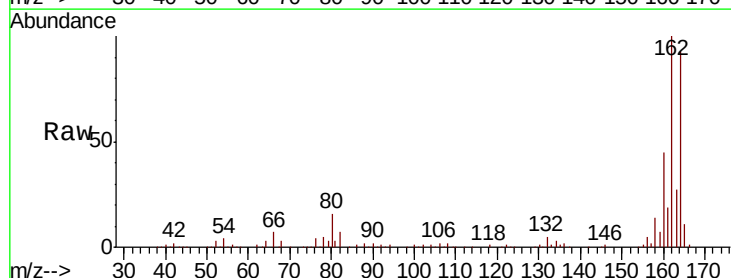
Tgt Ion: 164 Resp: 235559

Ion Ratio Lower Upper

164 100

162 107.4 82.2 123.4

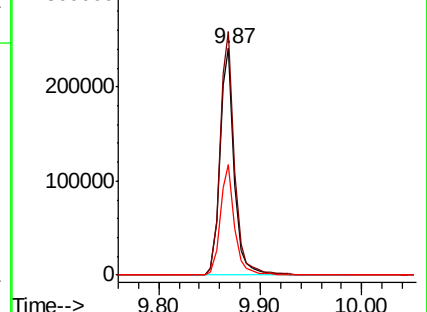
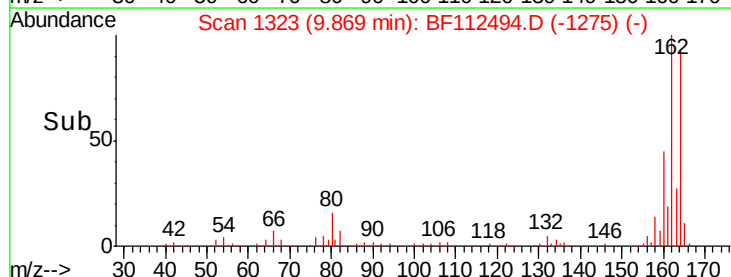
160 48.7 36.2 54.4

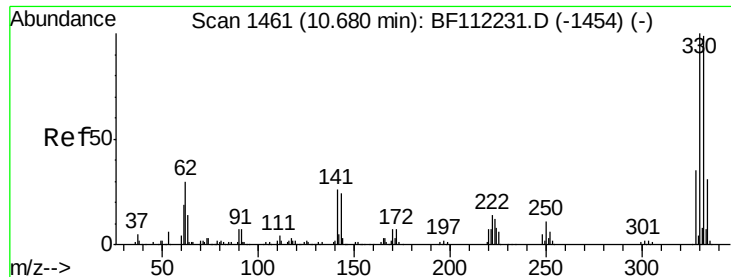


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

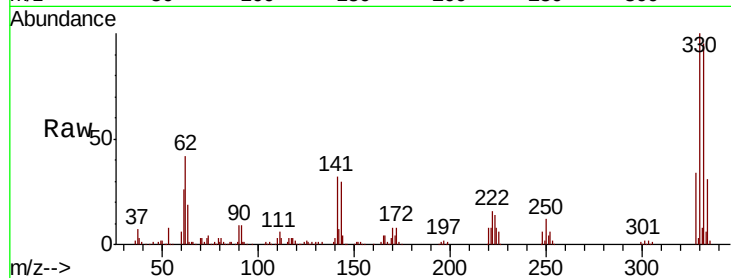




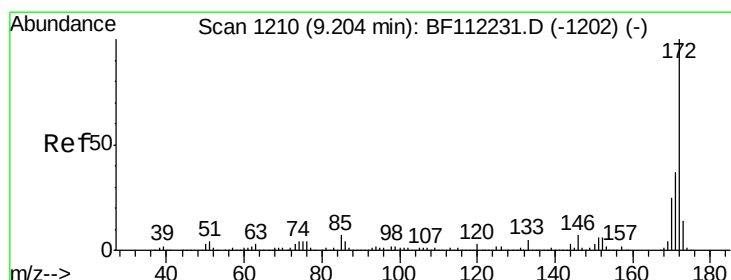
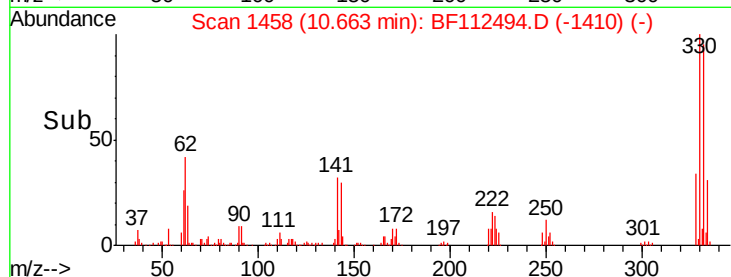
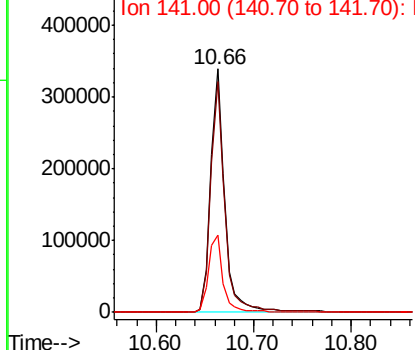
#42
 2,4,6-Tribromophenol
 Concen: 125.203 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112494.D
 Acq: 11 Feb 2019 21:20

Instrument :
 BNA_F
 ClientSampleId :
 M-8-D

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	114.8
141	33.1	24.3	36.5

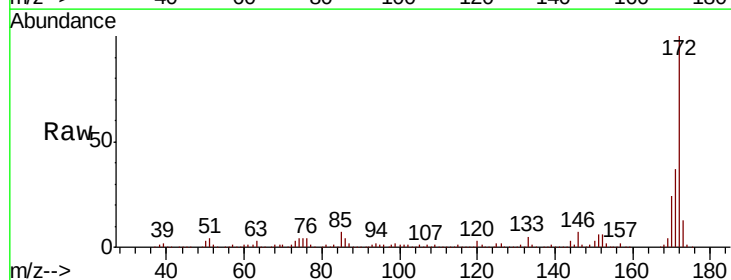


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

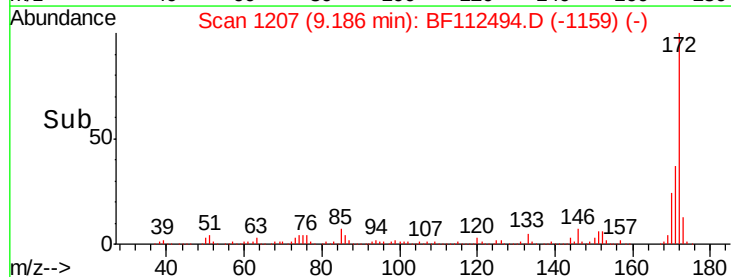
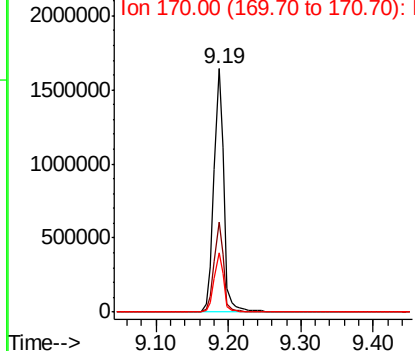


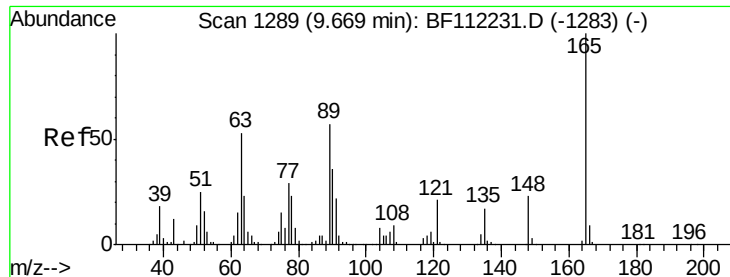
#45
 2-Fluorobiphenyl
 Concen: 94.846 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112494.D
 Acq: 11 Feb 2019 21:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	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

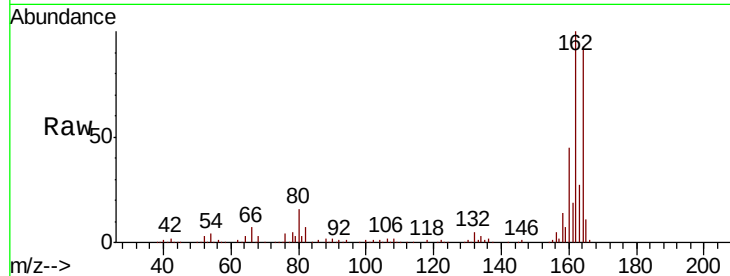




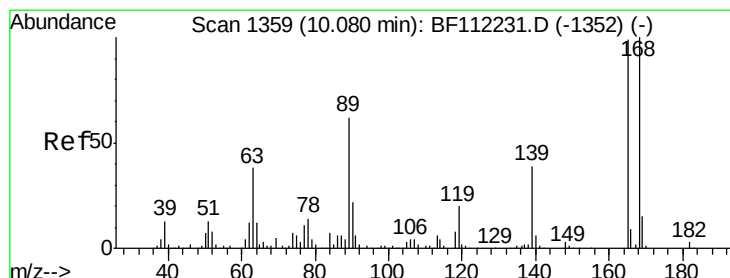
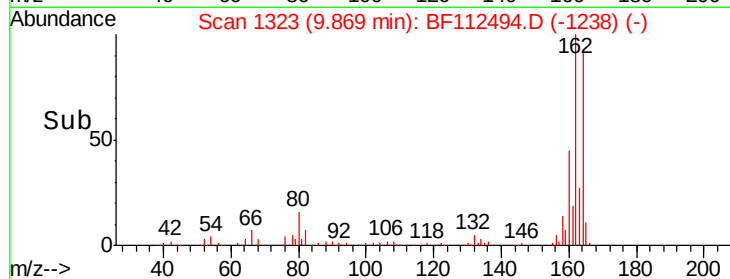
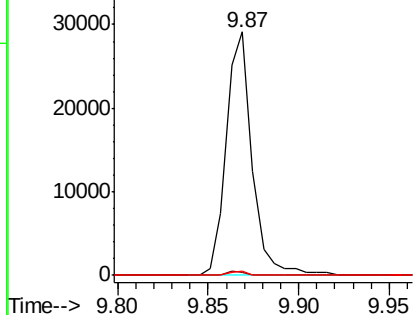
#51
 2,6-Dinitrotoluene
 Concen: 7.073 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112494.D
 Acq: 11 Feb 2019 21:20

Instrument :
 BNA_F
 ClientSampleId :
 M-8-D

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	1.8	36.9	55.3#

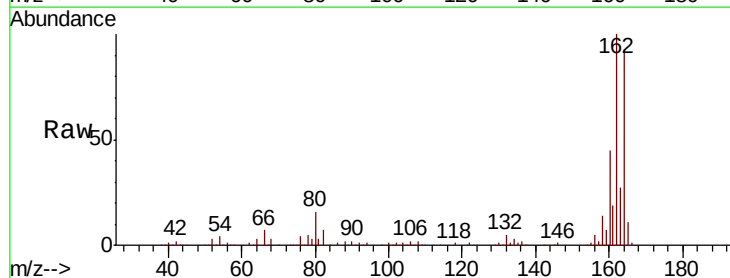


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

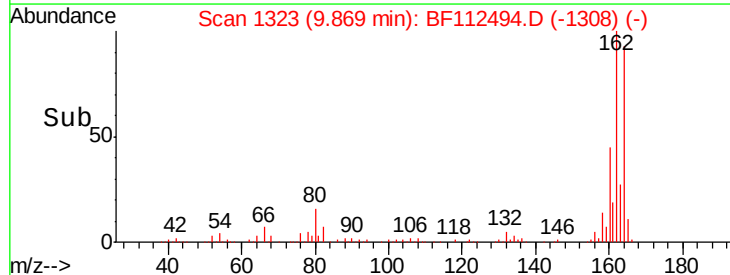
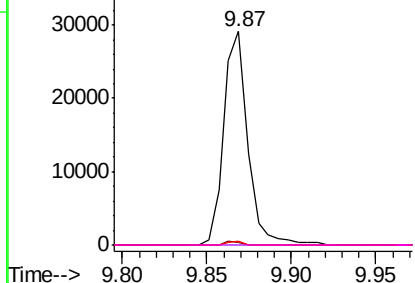


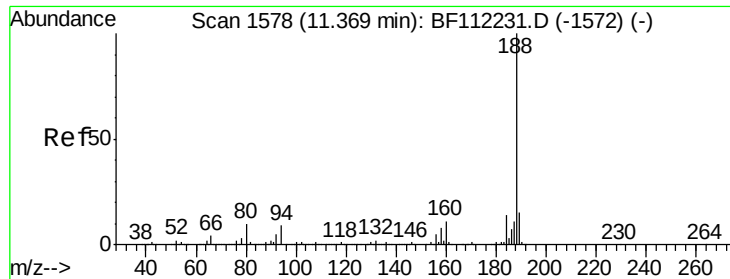
#57
 2,4-Dinitrotoluene
 Concen: 5.556 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112494.D
 Acq: 11 Feb 2019 21:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	1.8	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

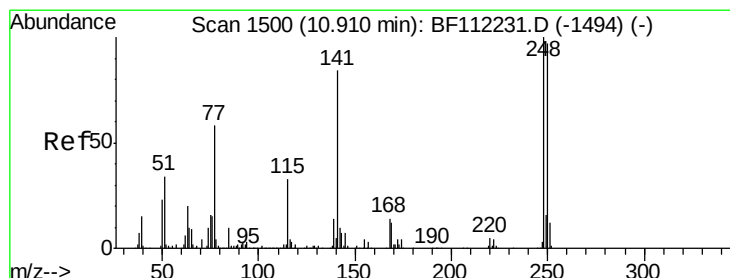
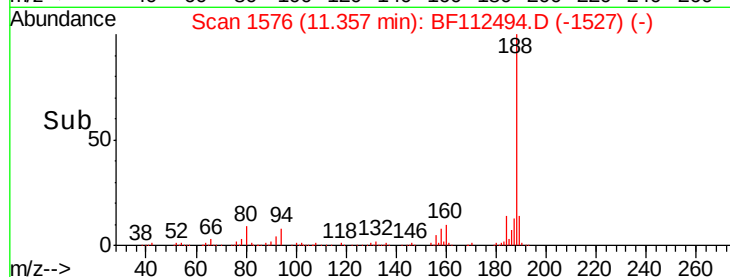
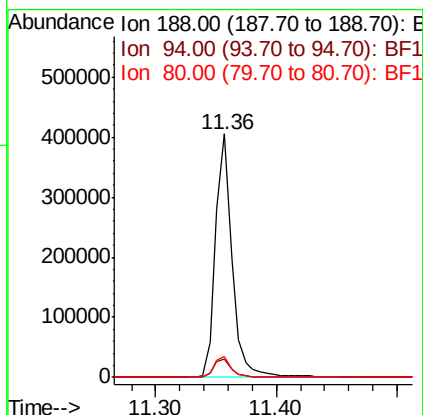
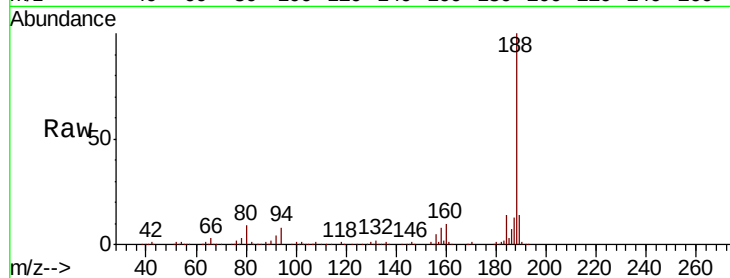




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112494.D
Acq: 11 Feb 2019 21:20

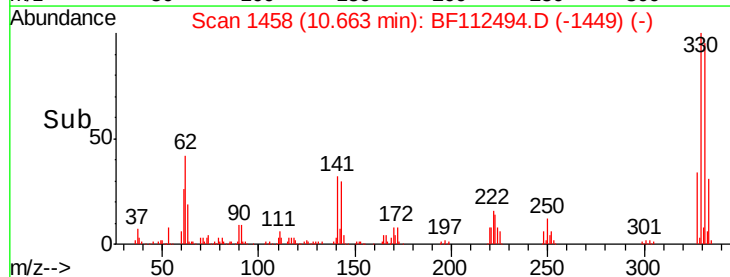
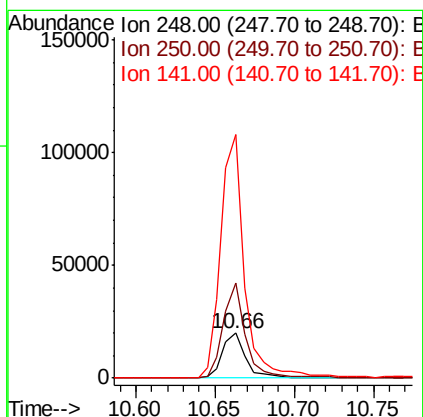
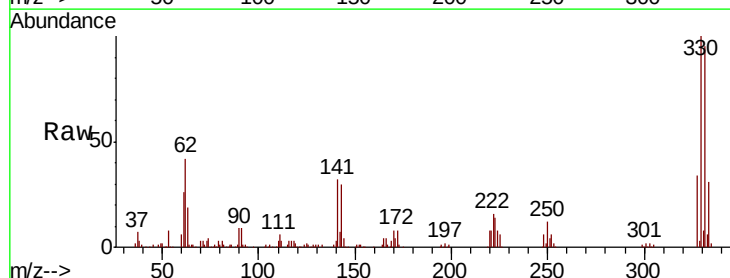
Instrument :
BNA_F
ClientSampled :
M-8-D

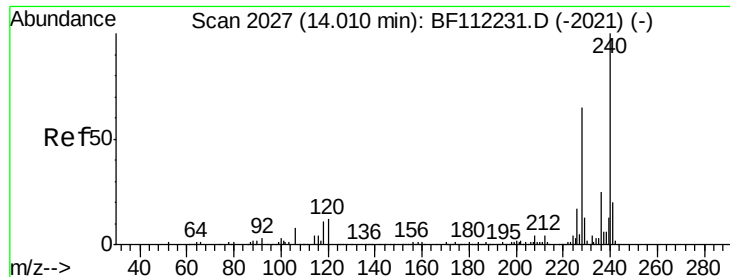
Tgt Ion:188 Resp: 382230
Ion Ratio Lower Upper
188 100
94 7.6 8.2 12.2#
80 8.6 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 4.576 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112494.D
Acq: 11 Feb 2019 21:20

Tgt Ion:248 Resp: 20573
Ion Ratio Lower Upper
248 100
250 210.5 79.7 119.5#
141 539.1 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: BF112494.D

Acq: 11 Feb 2019 21:20

Instrument :

BNA_F

ClientSampleId :

M-8-D

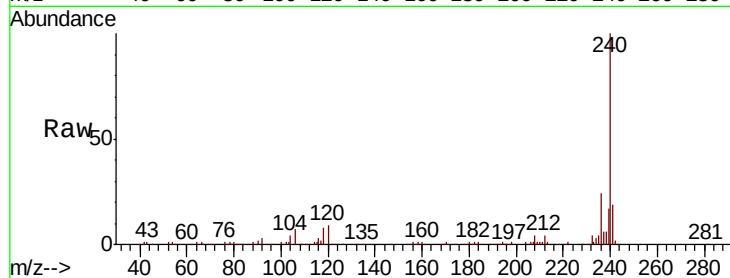
Tgt Ion:240 Resp: 283601

Ion Ratio Lower Upper

240 100

120 8.8 9.0 13.6#

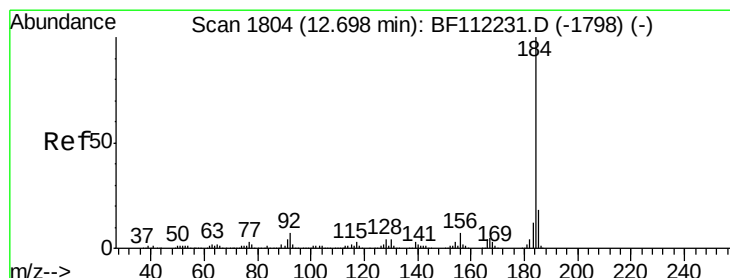
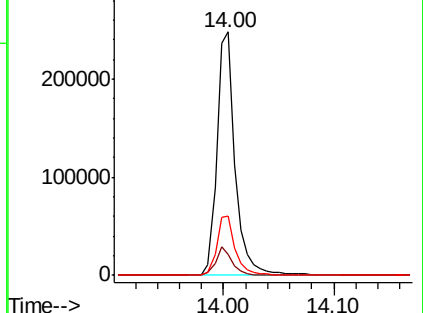
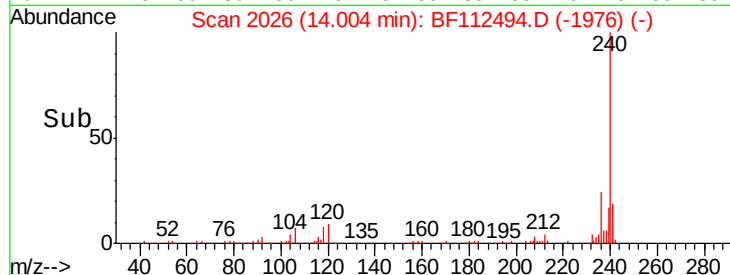
236 24.4 20.7 31.1



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: 2.207 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.24 min

Lab File: BF112494.D

Acq: 11 Feb 2019 21:20

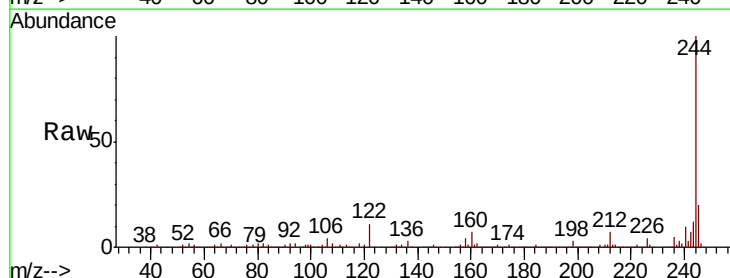
Tgt Ion:184 Resp: 17224

Ion Ratio Lower Upper

184 100

185 15.3 13.9 20.9

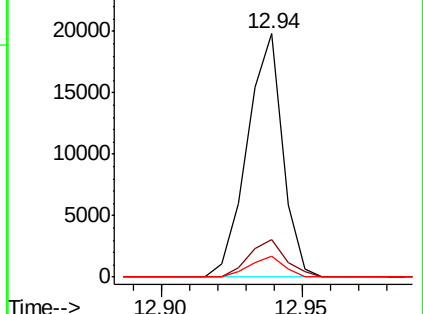
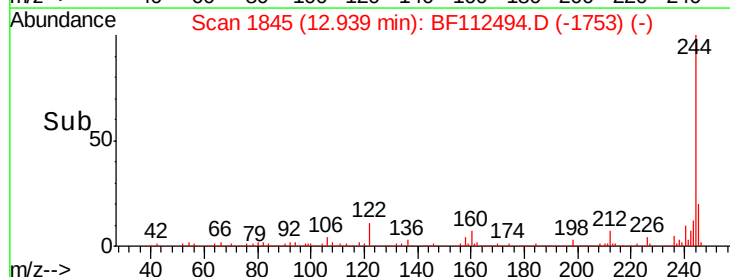
183 8.4 10.0 15.0#

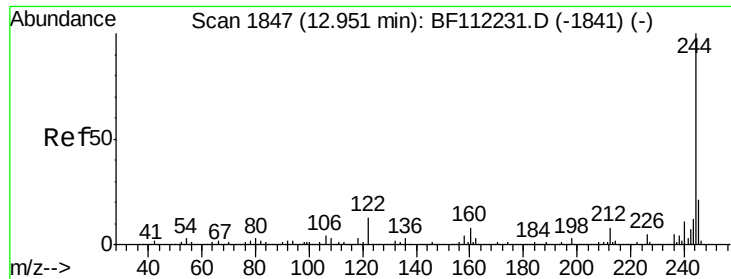


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 83.891 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112494.D

Acq: 11 Feb 2019 21:20

Instrument :

BNA_F

ClientSampleId :

M-8-D

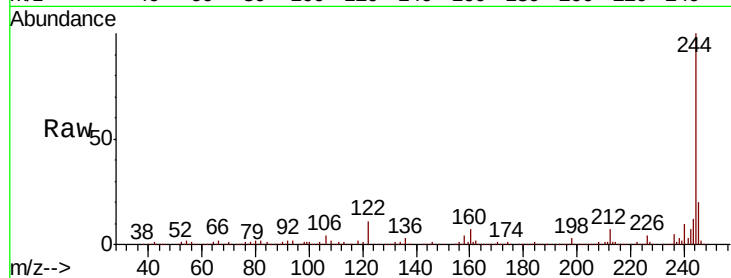
Tgt Ion:244 Resp: 1263201

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

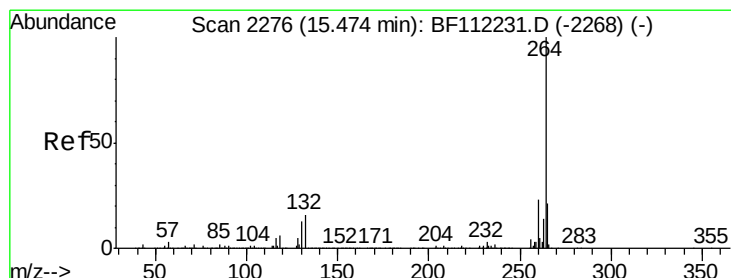
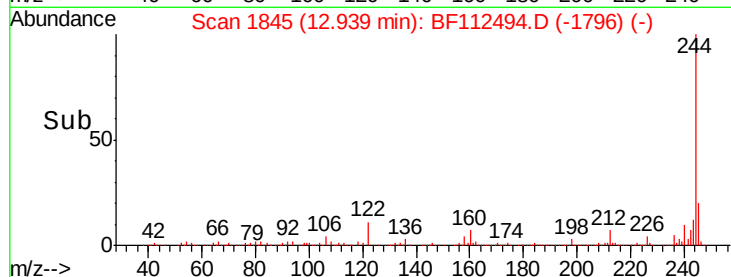
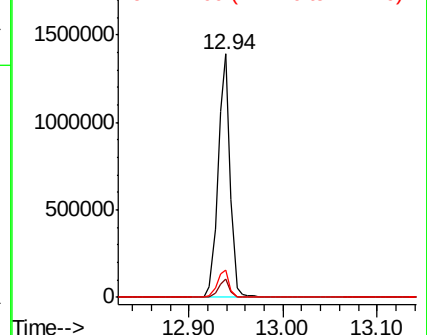
122 11.2 9.8 14.6



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: BF112494.D

Acq: 11 Feb 2019 21:20

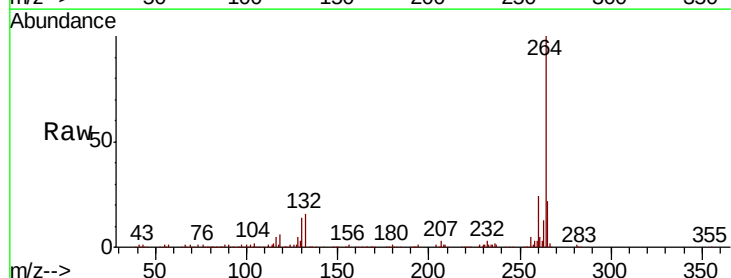
Tgt Ion:264 Resp: 284168

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.2

265 21.8 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

