

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021119\
 Data File : BF112493.D
 Acq On : 11 Feb 2019 20:52
 Operator : JU/SJ
 Sample : K1453-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-8-S

Quant Time: Feb 12 00:01:36 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

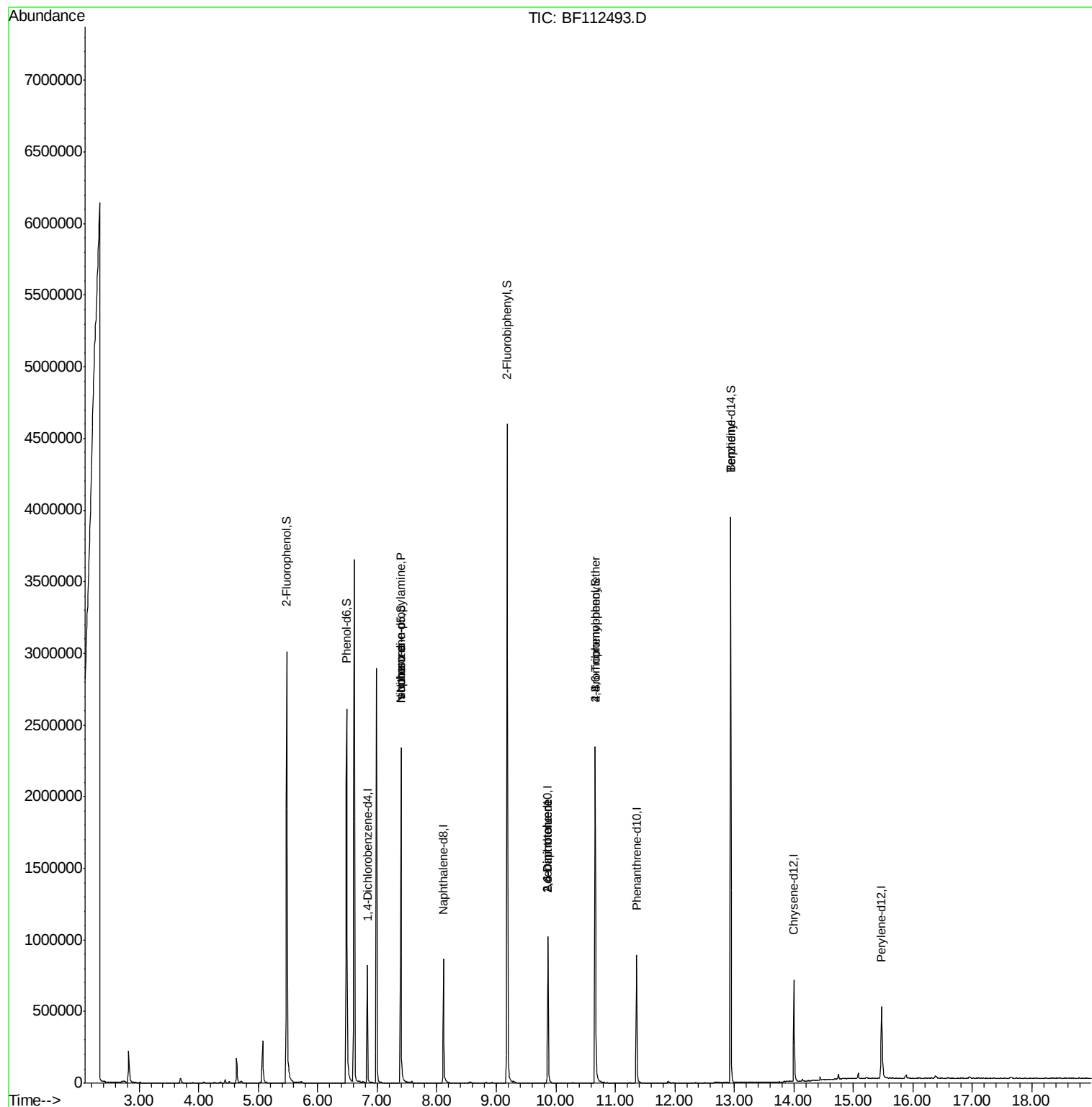
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	129391	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	485788	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	219490	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	367351	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	290124	20.00	ng	0.00
87) Perylene-d12	15.47	264	285249	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	886853	145.58	ng	0.00
7) Phenol-d6	6.49	99	977273	115.45	ng	0.00
23) Nitrobenzene-d5	7.40	82	790070	93.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	332845	130.28	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1518281	97.83	ng	-0.02
79) Terphenyl-d14	12.94	244	1319174	85.64	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	107663	18.446	ng	# 77
25) Isophorone	7.40	82	790060	59.734	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	28231	7.392	ng	# 35
57) 2,4-Dinitrotoluene	9.87	165	28231	5.806	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	19465	4.505	ng	# 1
77) Benzidine	12.94	184	18080	2.264	ng	# 92

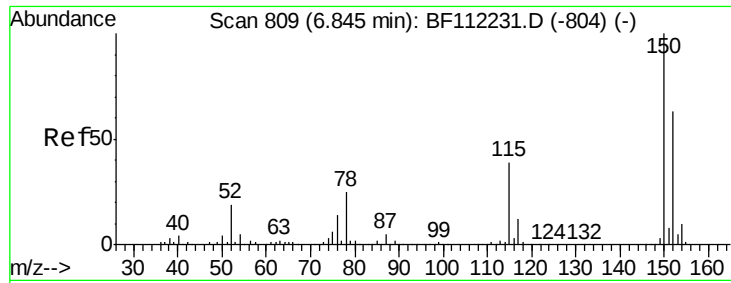
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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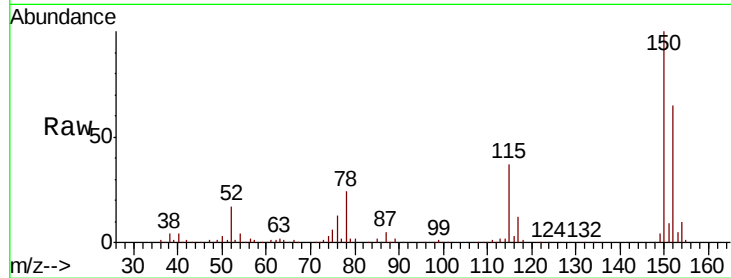


#1

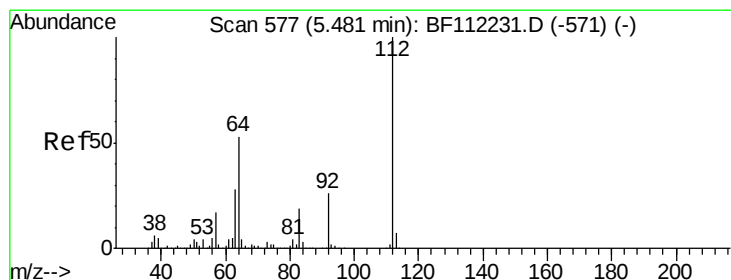
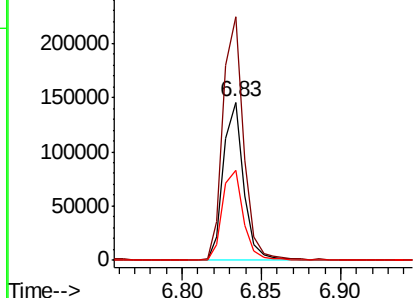
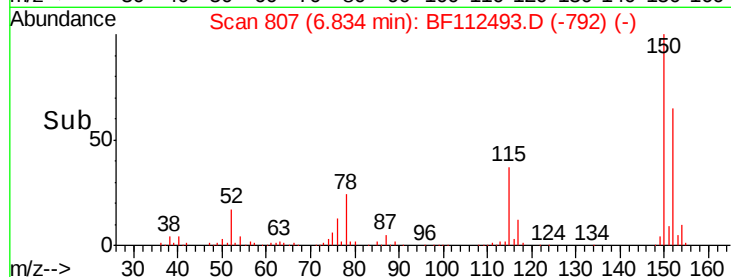
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112493.D
Acq: 11 Feb 2019 20:52

Instrument :
BNA_F
ClientSampleId :
M-8-S

Tgt Ion:152 Resp: 129391
Ion Ratio Lower Upper
152 100
150 154.1 127.4 191.0
115 57.1 45.5 68.3



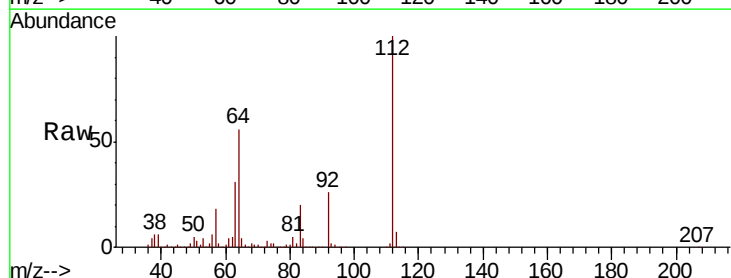
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



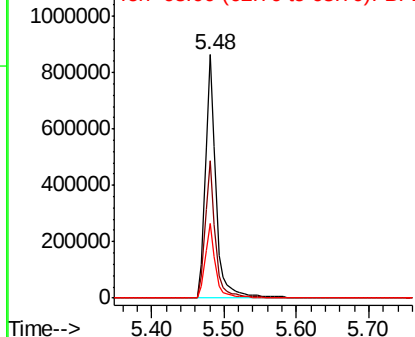
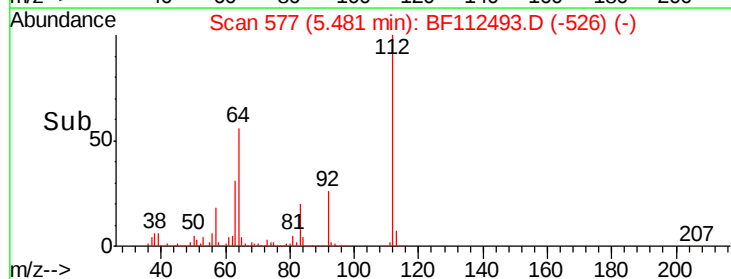
#5

2-Fluorophenol
Concen: 145.585 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF112493.D
Acq: 11 Feb 2019 20:52

Tgt Ion:112 Resp: 886853
Ion Ratio Lower Upper
112 100
64 56.4 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: 115.453 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112493.D

Acq: 11 Feb 2019 20:52

Instrument :

BNA_F

ClientSampleId :

M-8-S

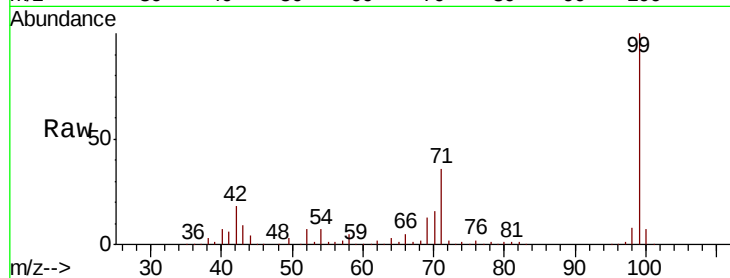
Tgt Ion: 99 Resp: 977273

Ion Ratio Lower Upper

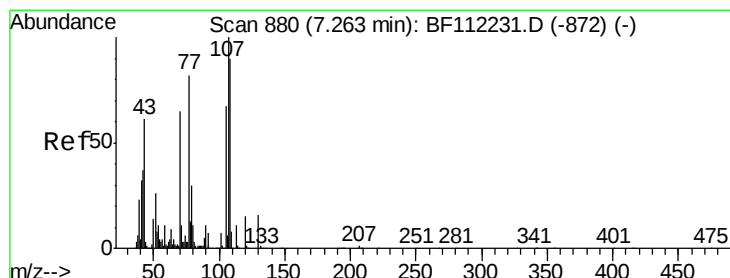
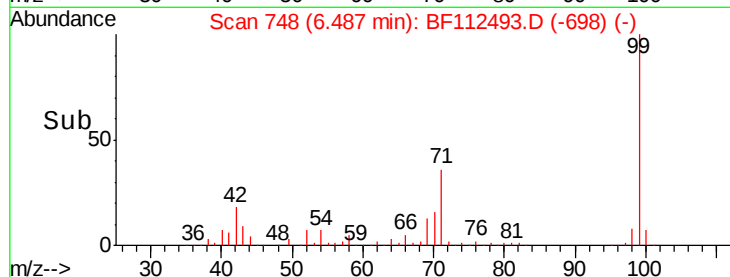
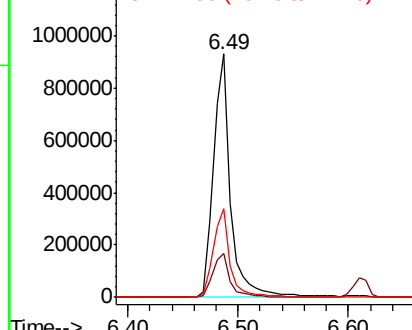
99 100

42 18.3 15.1 22.7

71 36.5 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: 18.446 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112493.D

Acq: 11 Feb 2019 20:52

Tgt Ion: 70 Resp: 107663

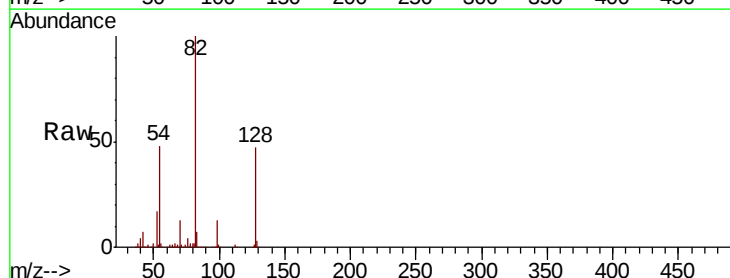
Ion Ratio Lower Upper

70 100

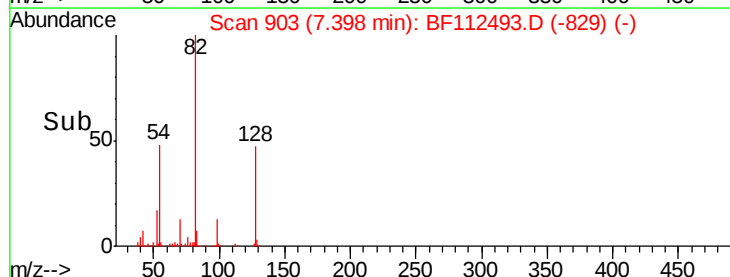
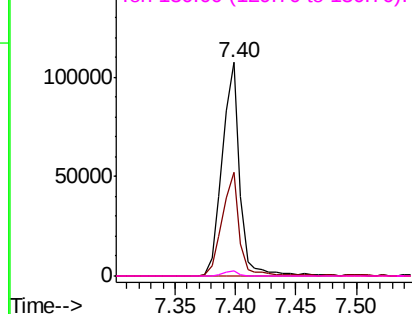
42 48.7 47.6 71.4

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

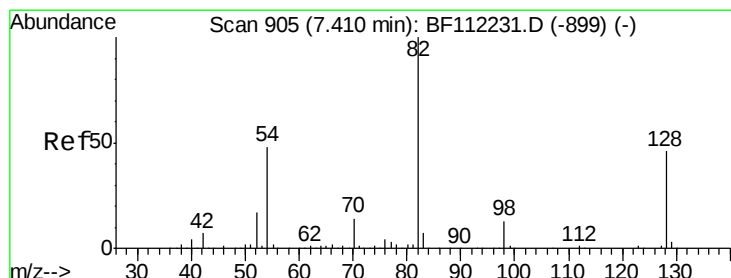
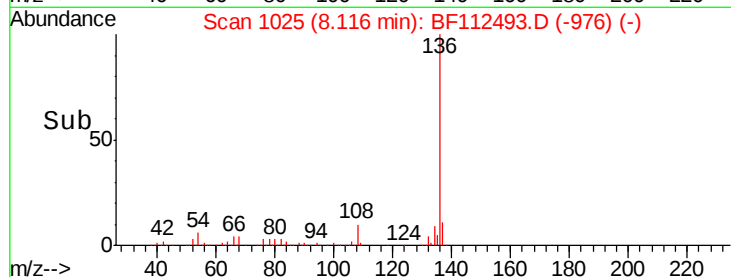
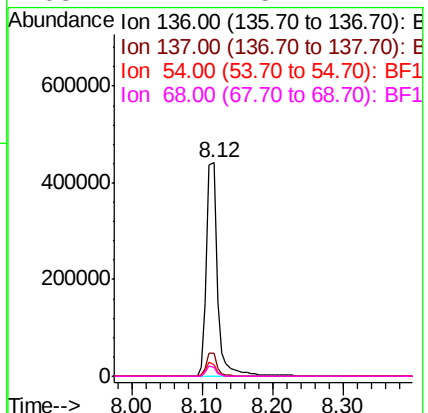
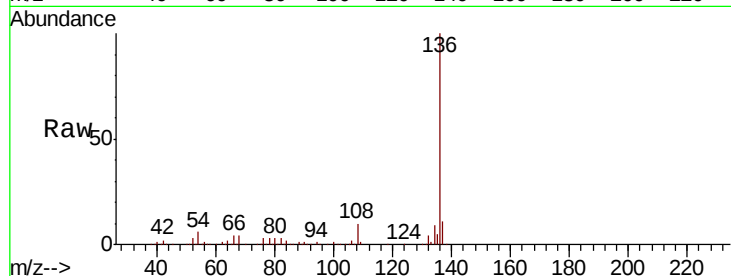




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112493.D
Acq: 11 Feb 2019 20:52

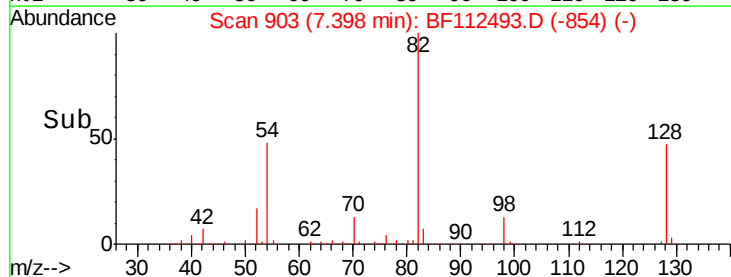
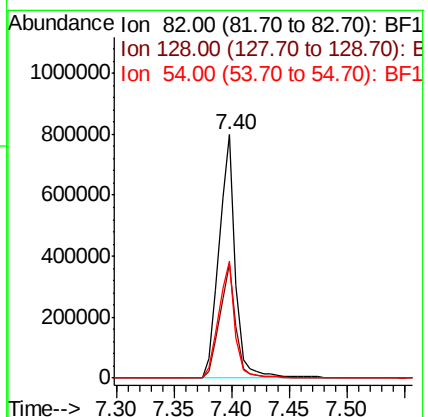
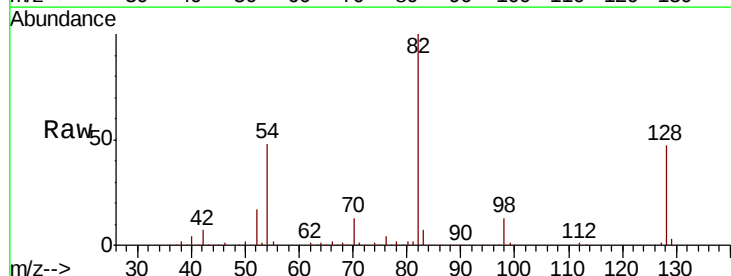
Instrument :
BNA_F
ClientSampleId :
M-8-S

Tgt Ion:	136	Resp:	485788
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.6	5.9	8.9#
68	4.2	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 93.711 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112493.D
Acq: 11 Feb 2019 20:52

Tgt Ion:	82	Resp:	790070
Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.8	56.8
54	47.8	39.7	59.5

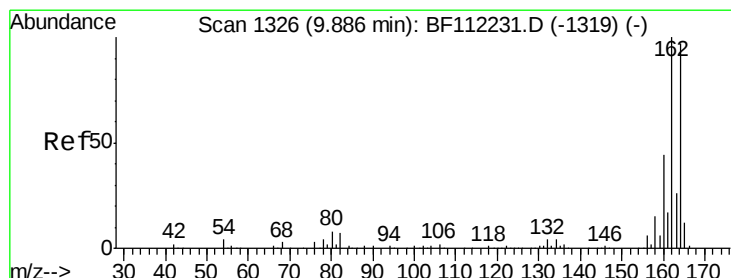
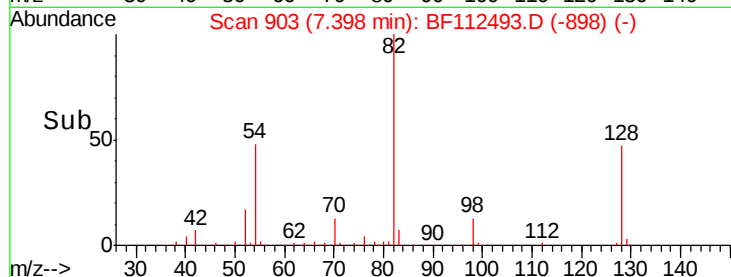
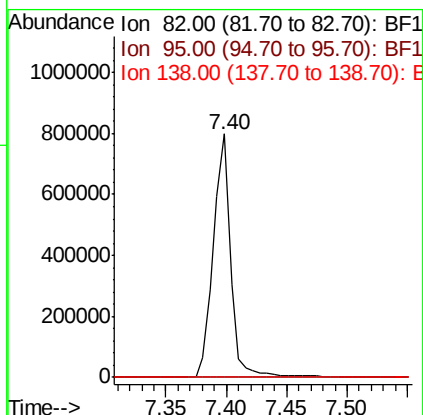
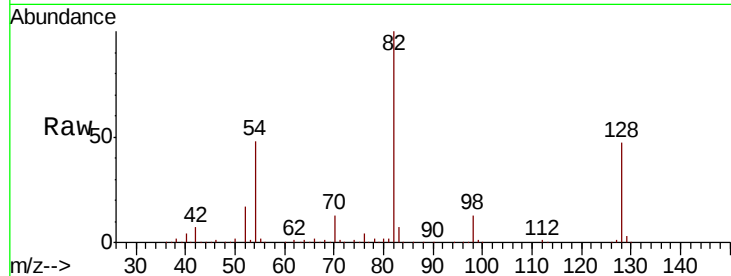




#25
Isophorone
Concen: 59.734 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112493.D
Acq: 11 Feb 2019 20:52

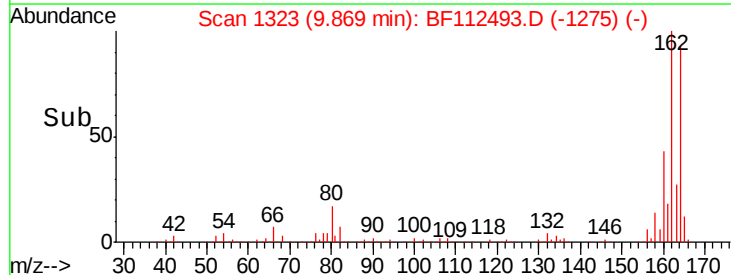
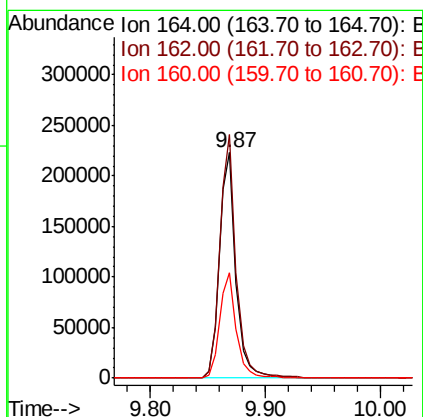
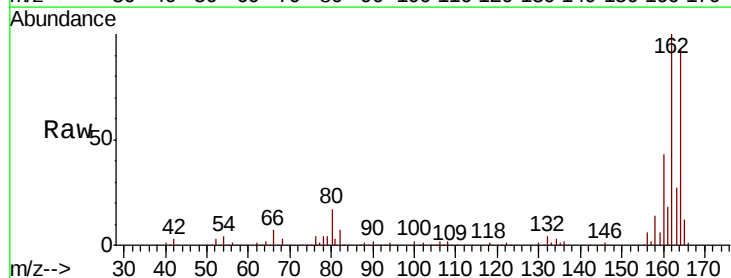
Instrument :
BNA_F
ClientSampled :
M-8-S

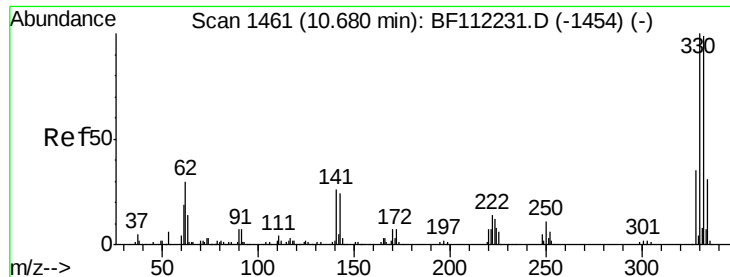
Tgt Ion: 82 Resp: 790060
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112493.D
Acq: 11 Feb 2019 20:52

Tgt Ion: 164 Resp: 219490
Ion Ratio Lower Upper
164 100
162 108.0 82.2 123.4
160 46.8 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 130.282 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112493.D

Acq: 11 Feb 2019 20:52

Instrument :

BNA_F

ClientSampleId :

M-8-S

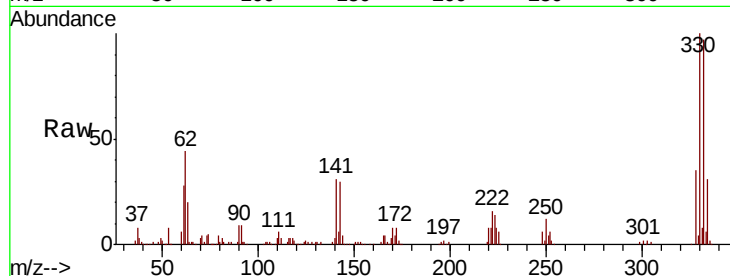
Tgt Ion:330 Resp: 332845

Ion Ratio Lower Upper

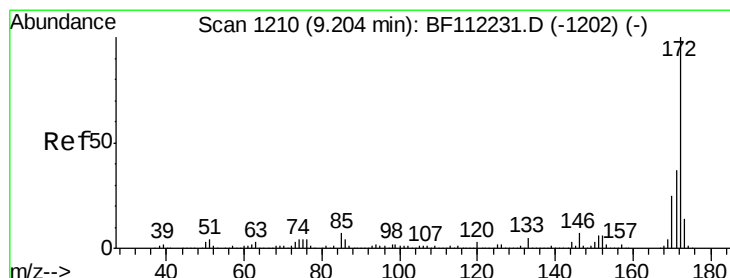
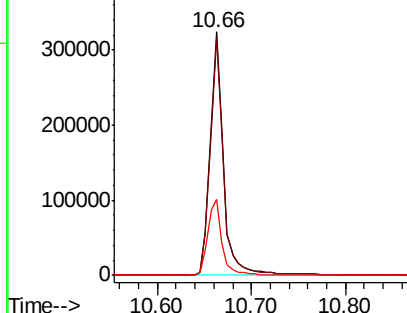
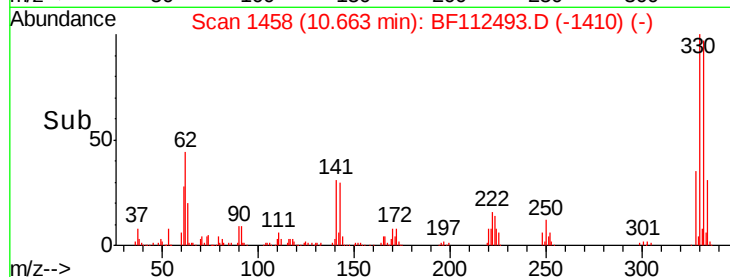
330 100

332 97.4 76.6 114.8

141 33.3 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: 97.834 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112493.D

Acq: 11 Feb 2019 20:52

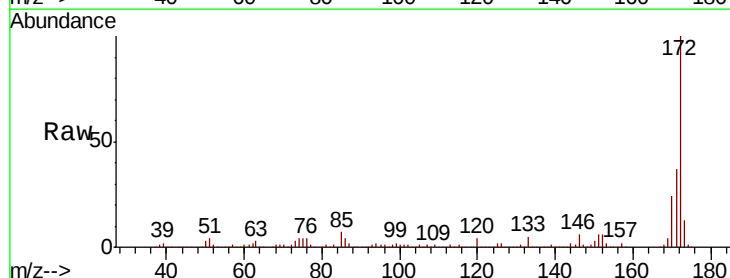
Tgt Ion:172 Resp: 1518281

Ion Ratio Lower Upper

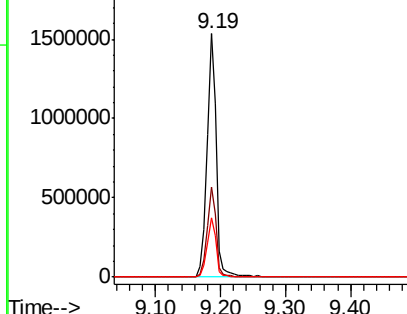
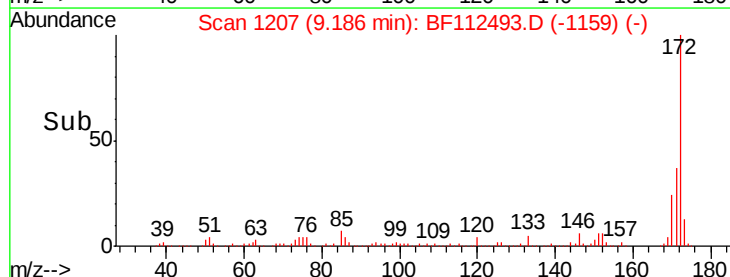
172 100

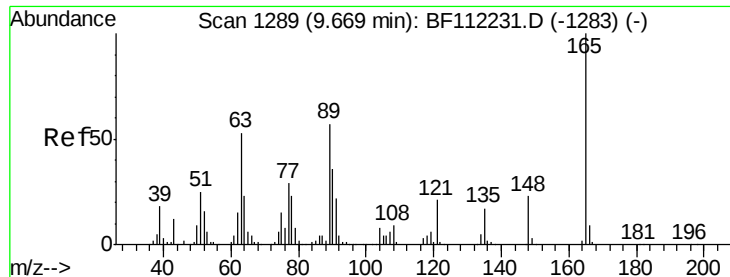
171 36.7 30.5 45.7

170 24.2 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: 7.392 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112493.D

Acq: 11 Feb 2019 20:52

Instrument :

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ClientSampleId :

M-8-S

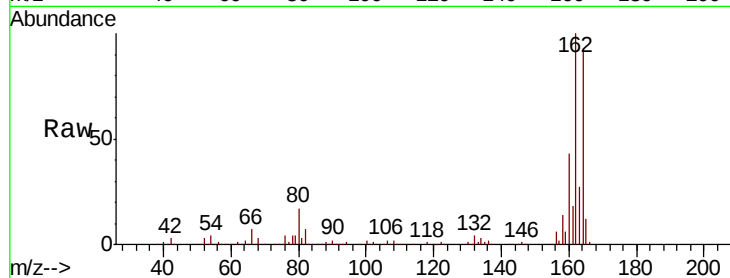
Tgt Ion:165 Resp: 28231

Ion Ratio Lower Upper

165 100

63 1.9 33.8 50.8#

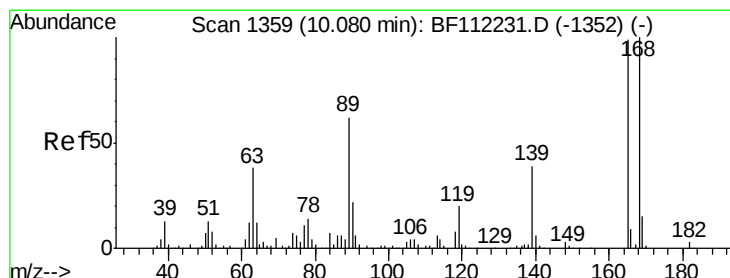
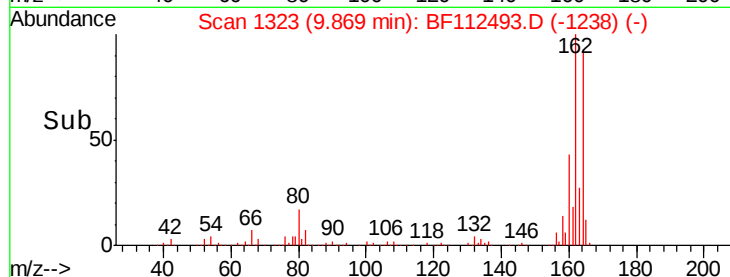
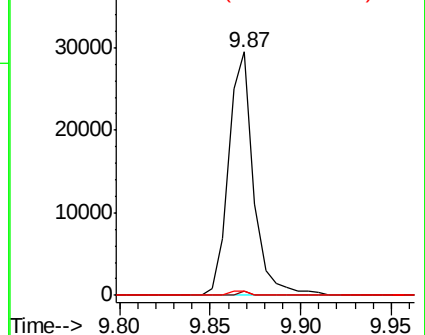
89 1.9 36.9 55.3#



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: 5.806 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112493.D

Acq: 11 Feb 2019 20:52

Tgt Ion:165 Resp: 28231

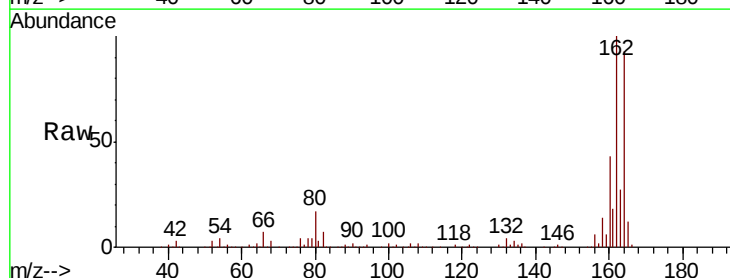
Ion Ratio Lower Upper

165 100

63 1.9 27.9 41.9#

89 1.9 47.9 71.9#

182 0.0 2.2 3.4#

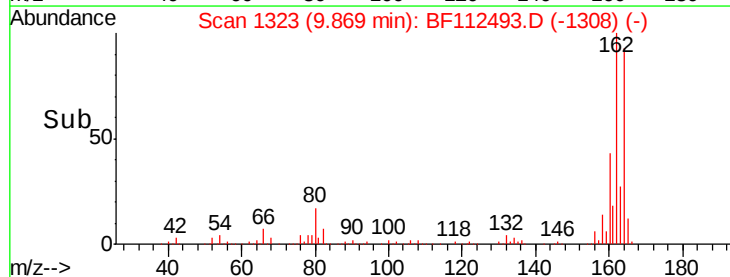
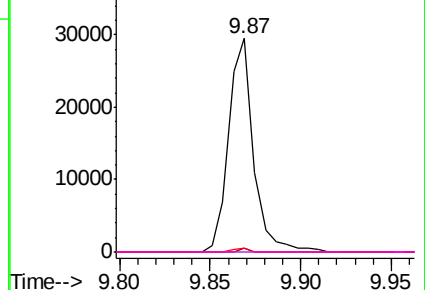


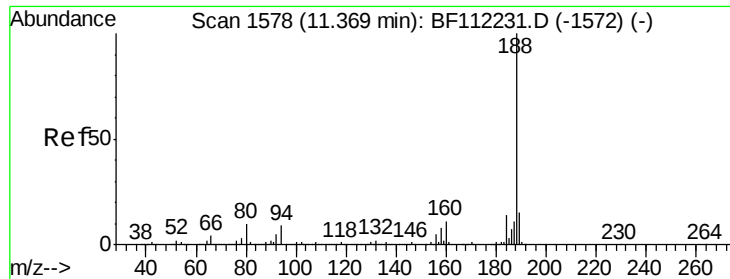
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF112493.D

Acq: 11 Feb 2019 20:52

Instrument :

BNA_F

ClientSampleId :

M-8-S

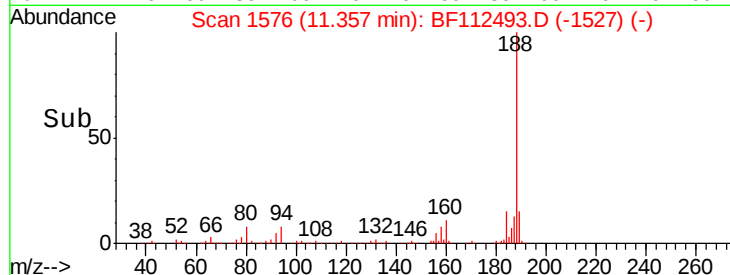
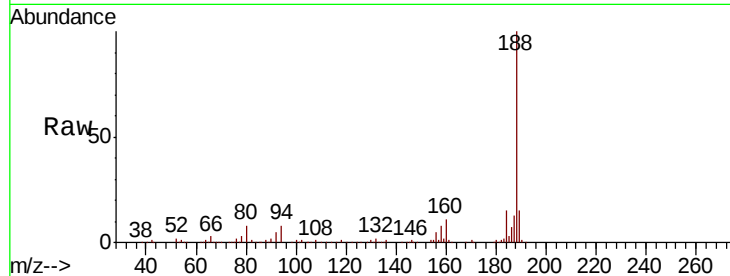
Tgt Ion:188 Resp: 367351

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

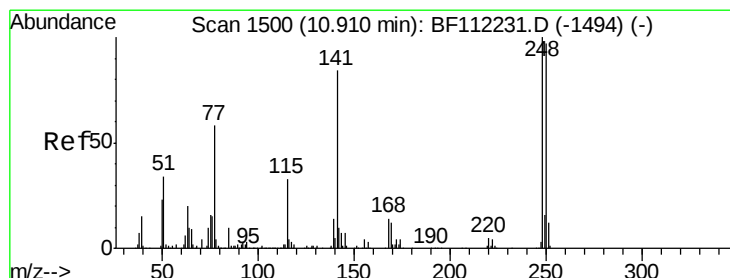
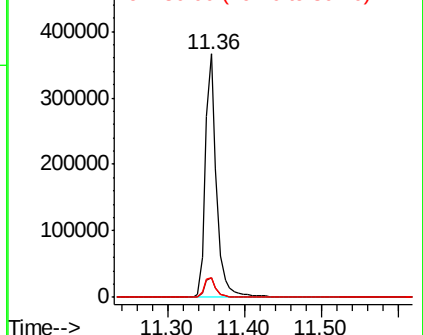
80 8.2 8.9 13.3#



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: 4.505 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF112493.D

Acq: 11 Feb 2019 20:52

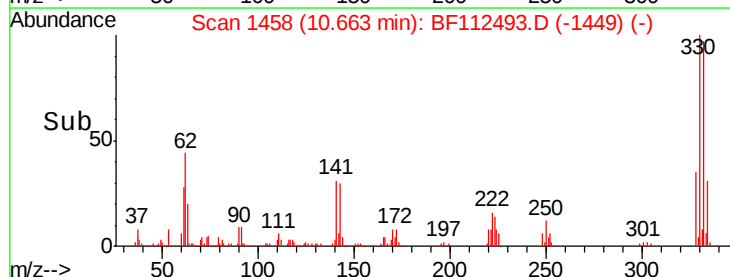
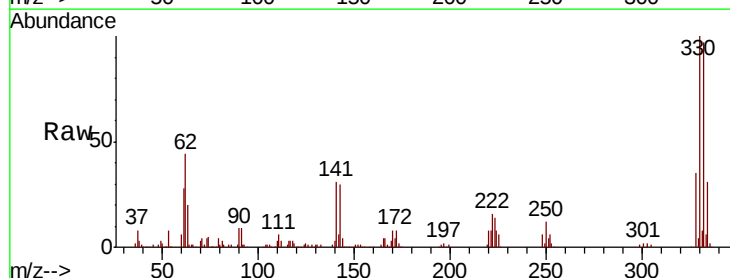
Tgt Ion:248 Resp: 19465

Ion Ratio Lower Upper

248 100

250 210.9 79.7 119.5#

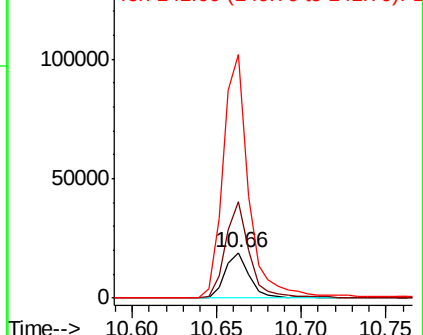
141 533.6 60.3 90.5#

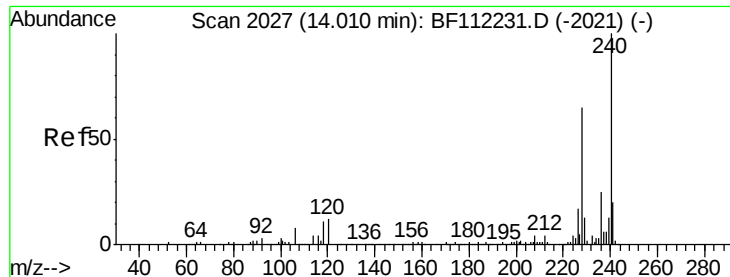


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

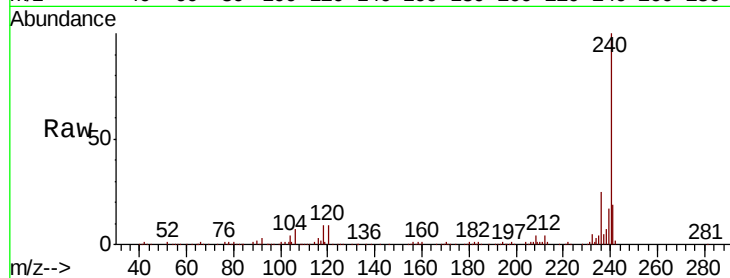




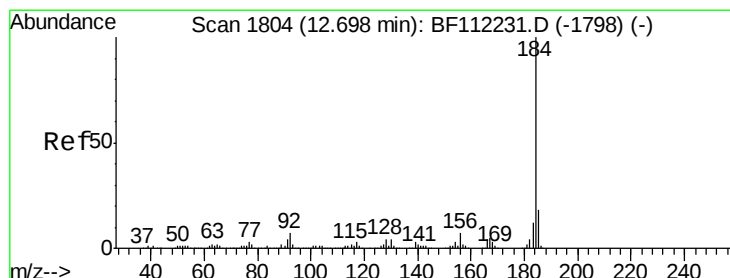
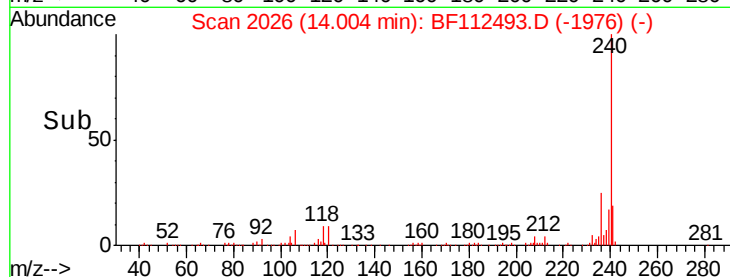
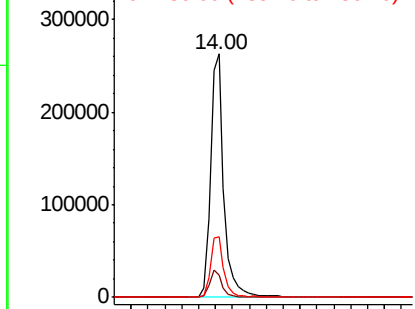
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112493.D
Acq: 11 Feb 2019 20:52

Instrument :
BNA_F
ClientSampleId :
M-8-S

Tgt Ion:240 Resp: 290124
Ion Ratio Lower Upper
240 100
120 8.9 9.0 13.6#
236 24.7 20.7 31.1

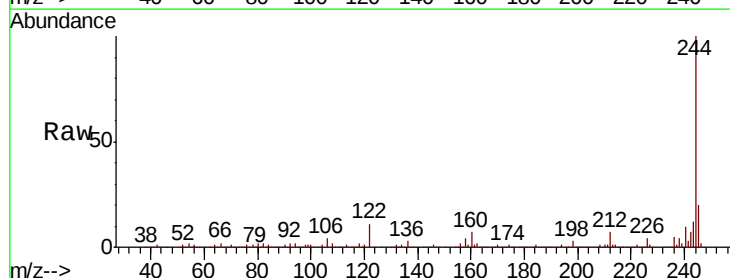


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

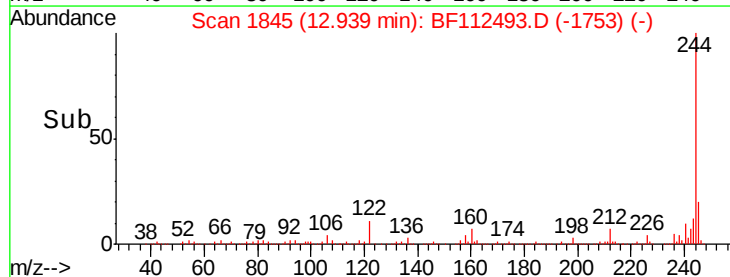
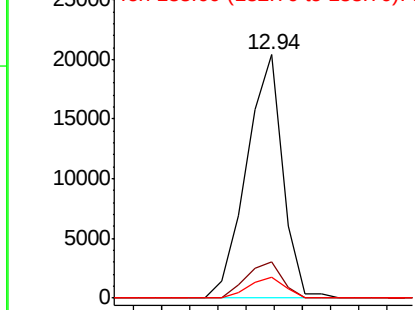


#77
Benzidine
Concen: 2.264 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112493.D
Acq: 11 Feb 2019 20:52

Tgt Ion:184 Resp: 18080
Ion Ratio Lower Upper
184 100
185 14.8 13.9 20.9
183 8.5 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

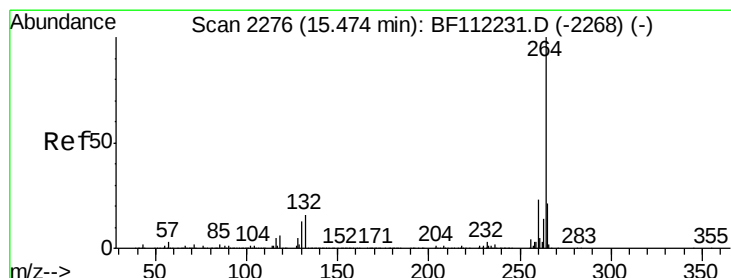
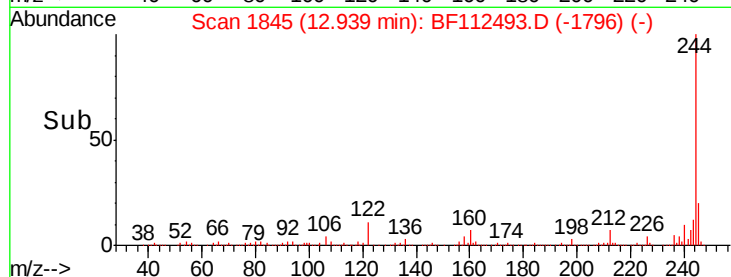
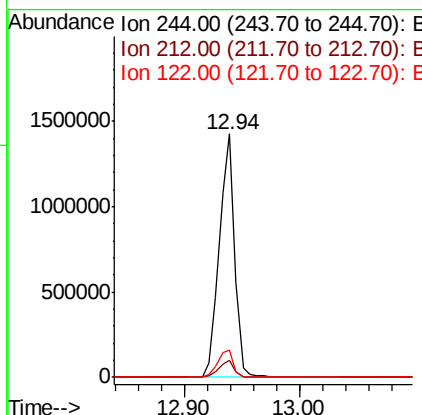
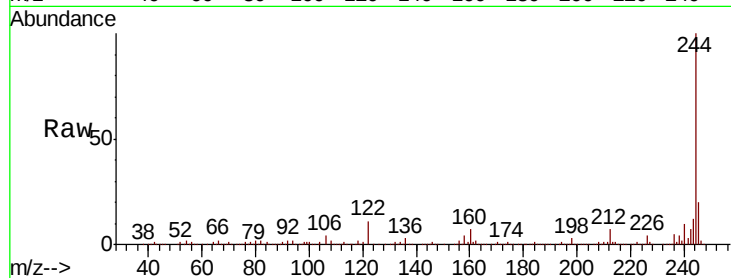




#79
 Terphenyl-d14
 Concen: 85.639 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112493.D
 Acq: 11 Feb 2019 20:52

Instrument :
 BNA_F
 ClientSampleId :
 M-8-S

Tgt Ion:244 Resp: 1319174
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 11.1 9.8 14.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF112493.D
 Acq: 11 Feb 2019 20:52

Tgt Ion:264 Resp: 285249
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.2 27.2
 265 21.7 17.0 25.4

