

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021119\
 Data File : BF112489.D
 Acq On : 11 Feb 2019 19:04
 Operator : JU/SJ
 Sample : K1453-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-9-D

Quant Time: Feb 12 00:00:59 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

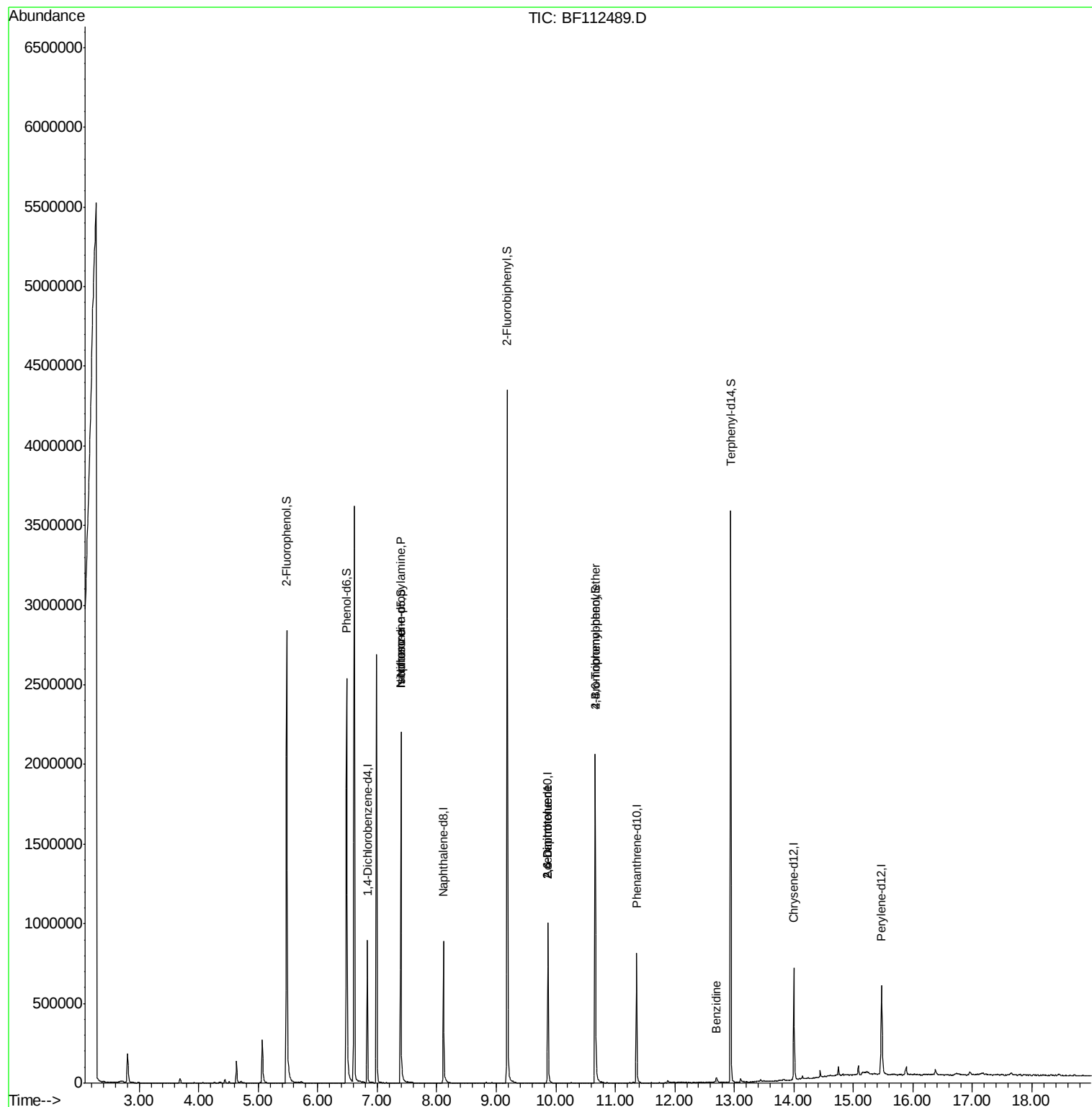
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	132269	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	495488	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	208017	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	319948	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	275510	20.00	ng	0.00
87) Perylene-d12	15.47	264	291488	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	844866	135.67	ng	0.00
7) Phenol-d6	6.49	99	930168	107.50	ng	0.00
23) Nitrobenzene-d5	7.40	82	739919	86.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	288908	119.32	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1414931	96.20	ng	-0.02
79) Terphenyl-d14	12.94	244	1132140	77.40	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	100015	16.763	ng	# 76
25) Isophorone	7.40	82	740018	54.855	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	27086	7.483	ng	# 35
57) 2,4-Dinitrotoluene	9.87	165	27086	5.878	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	17242	4.582	ng	# 1
77) Benzidine	12.70	184	22489	2.966	ng	# 96

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

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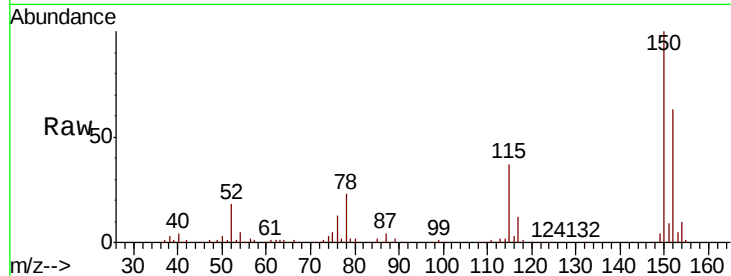


#1

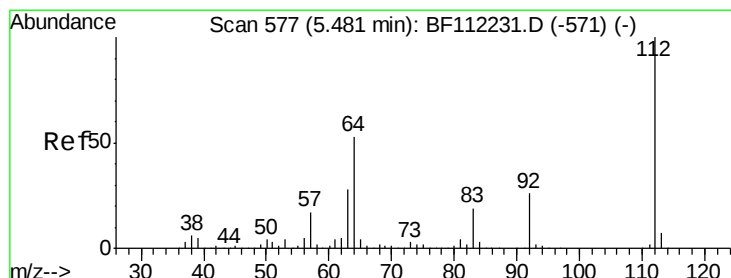
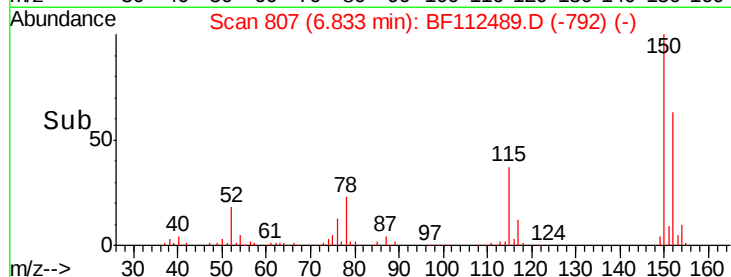
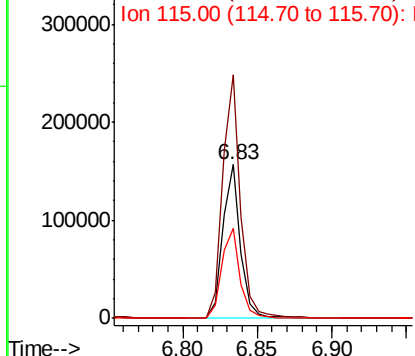
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112489.D
Acq: 11 Feb 2019 19:04

Instrument :
BNA_F
ClientSampleId :
M-9-D

Tgt Ion:152 Resp: 132269
Ion Ratio Lower Upper
152 100
150 158.6 127.4 191.0
115 58.5 45.5 68.3



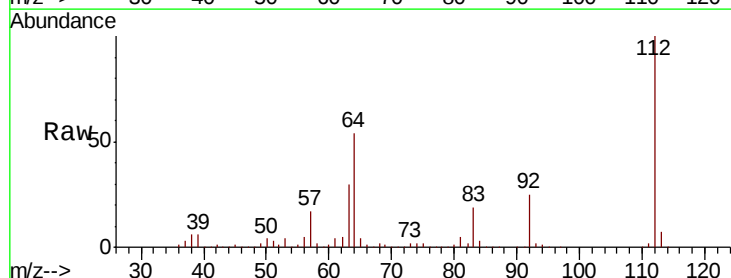
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



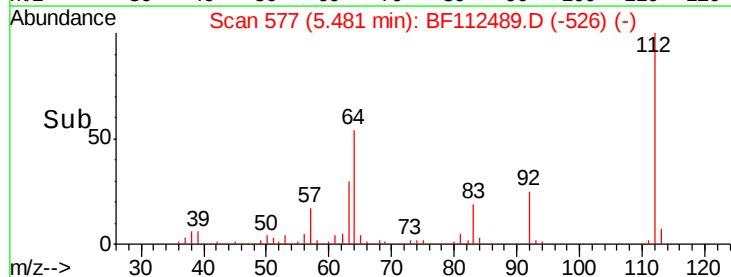
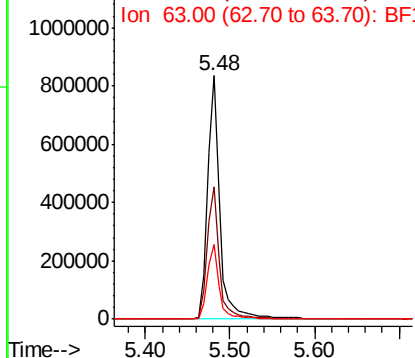
#5

2-Fluorophenol
Concen: 135.674 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF112489.D
Acq: 11 Feb 2019 19:04

Tgt Ion:112 Resp: 844866
Ion Ratio Lower Upper
112 100
64 54.4 45.7 68.5
63 30.4 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: 107.497 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112489.D

Acq: 11 Feb 2019 19:04

Instrument :

BNA_F

ClientSampleId :

M-9-D

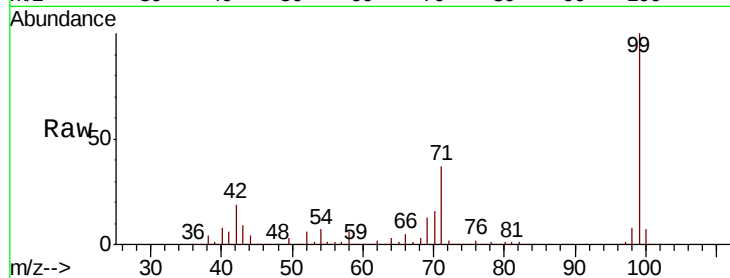
Tgt Ion: 99 Resp: 930168

Ion Ratio Lower Upper

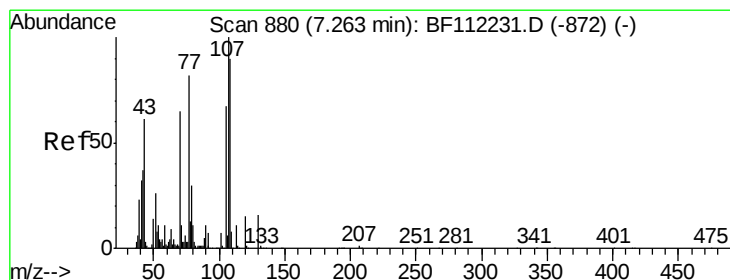
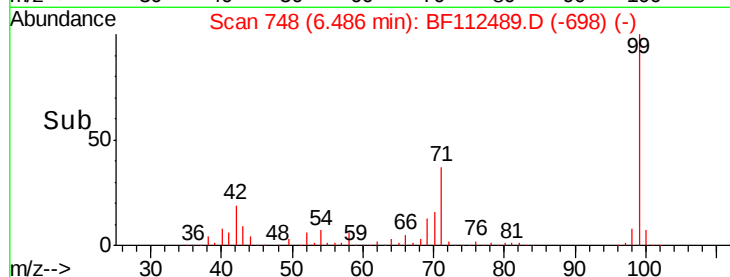
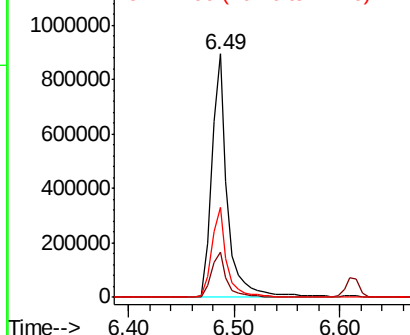
99 100

42 18.7 15.1 22.7

71 37.0 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: 16.763 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112489.D

Acq: 11 Feb 2019 19:04

Tgt Ion: 70 Resp: 100015

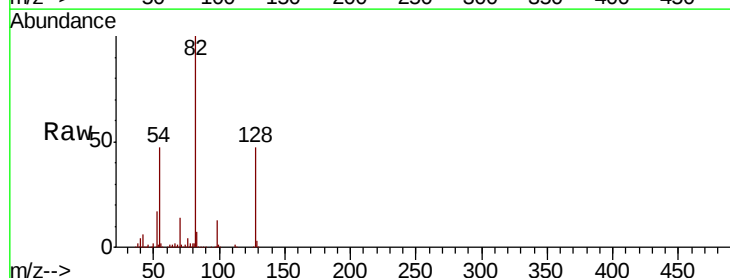
Ion Ratio Lower Upper

70 100

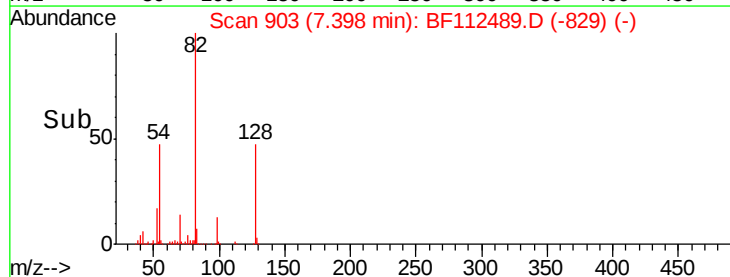
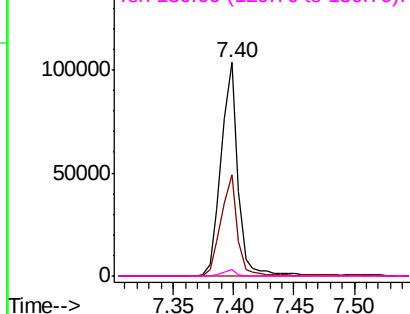
42 47.4 47.6 71.4#

101 0.0 7.9 11.9#

130 2.8 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): E
Ion 130.00 (129.70 to 130.70): E

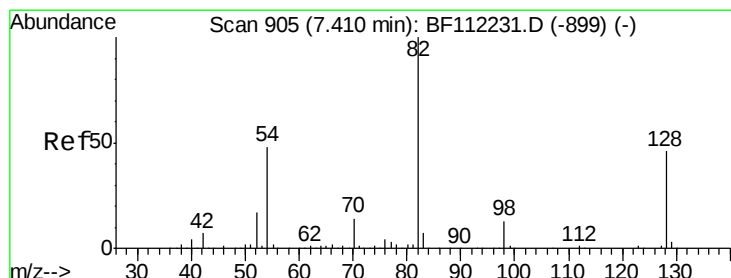
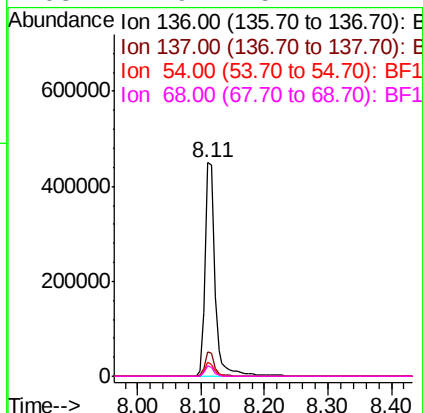
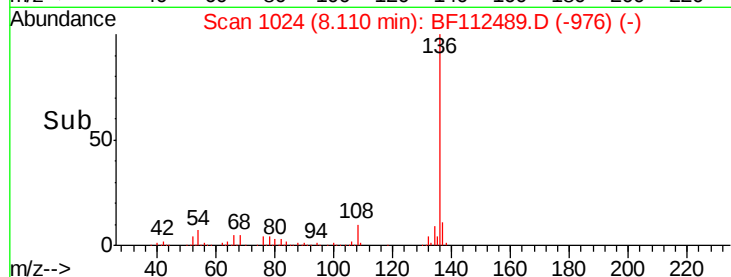
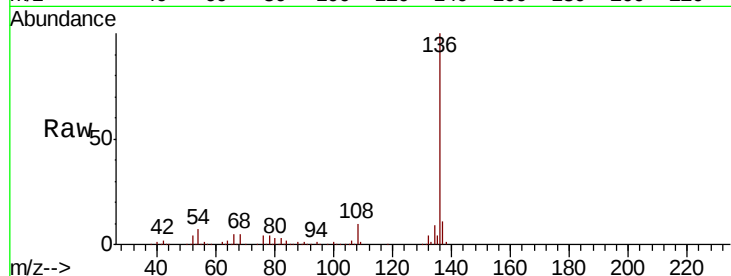




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF112489.D
Acq: 11 Feb 2019 19:04

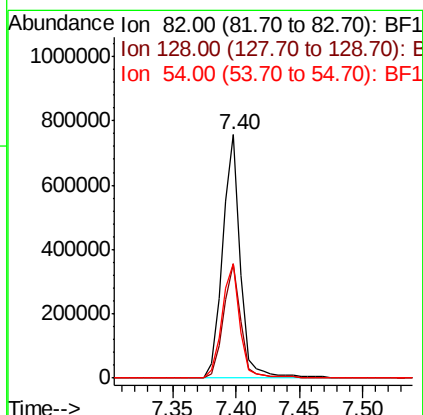
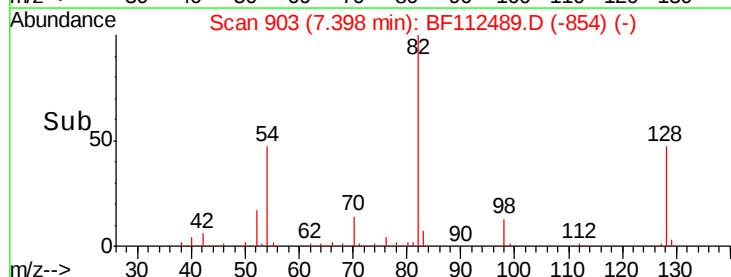
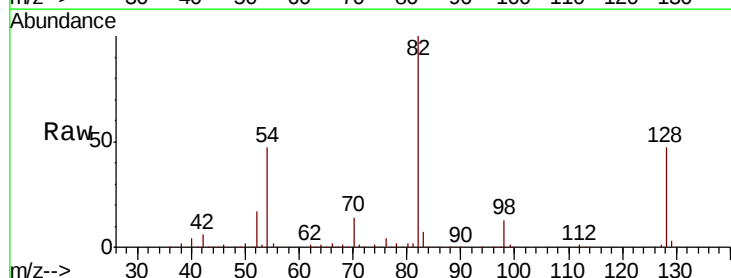
Instrument :
BNA_F
ClientSampleId :
M-9-D

Tgt Ion:	136	Resp:	495488
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.6	5.9	8.9
68	4.9	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 86.044 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112489.D
Acq: 11 Feb 2019 19:04

Tgt Ion:	82	Resp:	739919
Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.8	56.8
54	47.1	39.7	59.5





#25

Isophorone

Concen: 54.855 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112489.D

Acq: 11 Feb 2019 19:04

Instrument :

BNA_F

ClientSampleId :

M-9-D

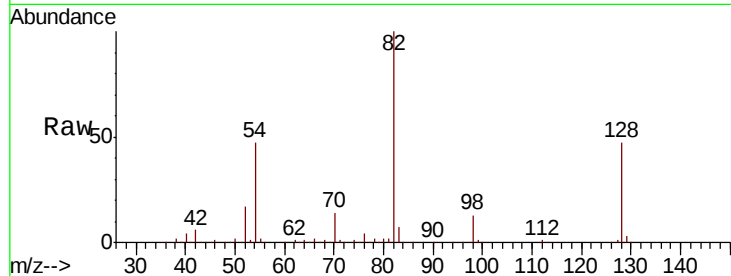
Tgt Ion: 82 Resp: 740018

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

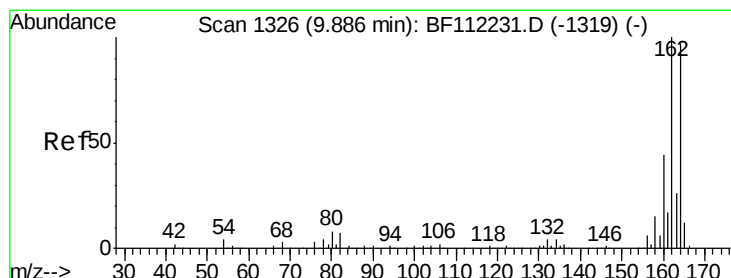
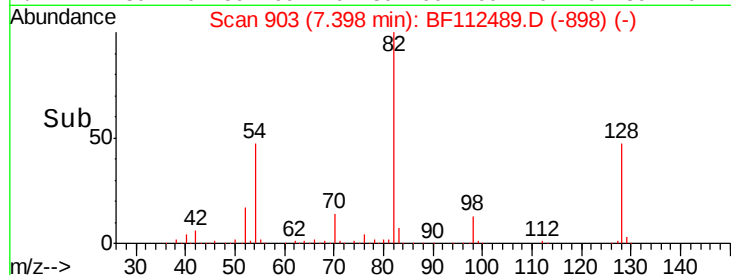
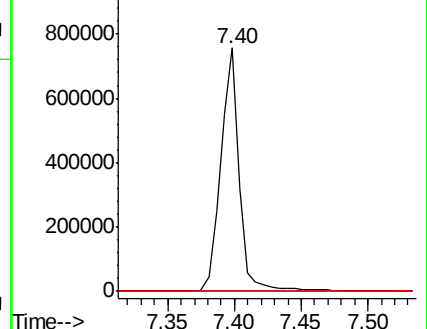
138 0.0 15.4 23.0#



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: BF112489.D

Acq: 11 Feb 2019 19:04

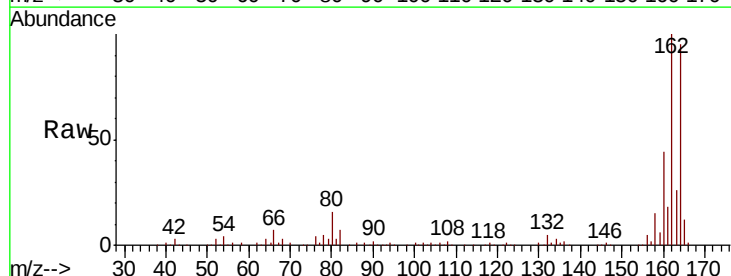
Tgt Ion: 164 Resp: 208017

Ion Ratio Lower Upper

164 100

162 105.6 82.2 123.4

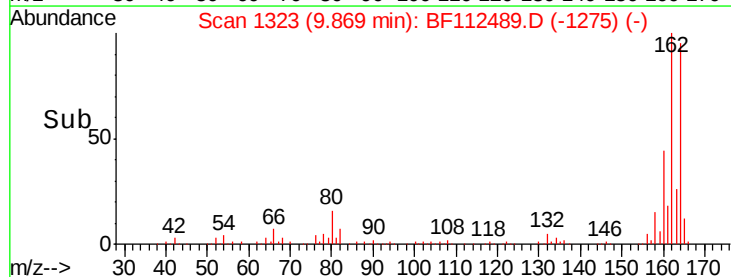
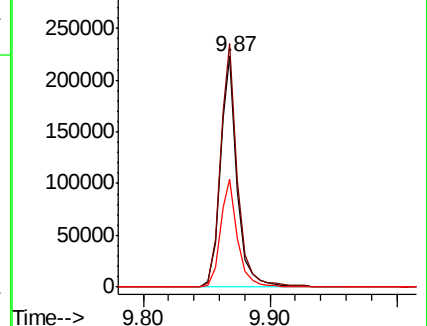
160 47.0 36.2 54.4

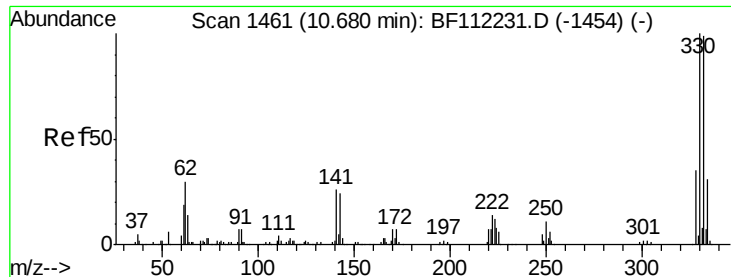


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 119.321 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112489.D

Acq: 11 Feb 2019 19:04

Instrument :

BNA_F

ClientSampleId :

M-9-D

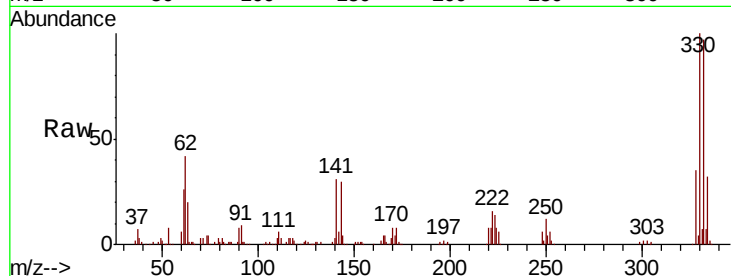
Tgt Ion:330 Resp: 288908

Ion Ratio Lower Upper

330 100

332 96.8 76.6 114.8

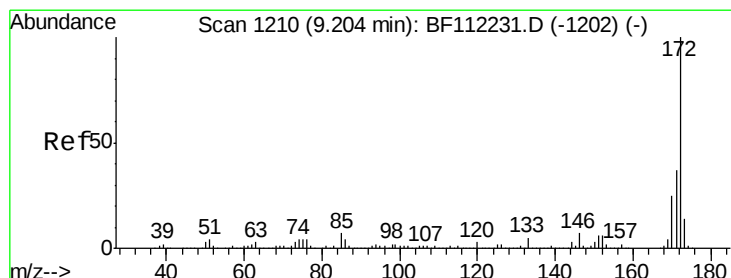
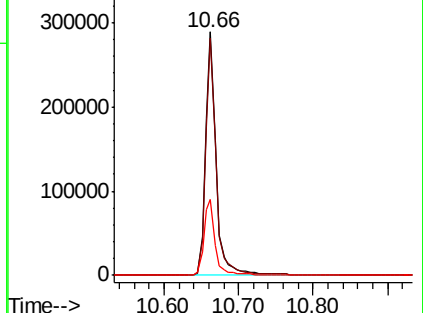
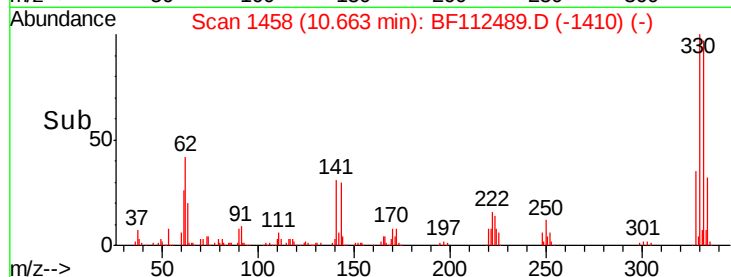
141 32.9 24.3 36.5



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: 96.203 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112489.D

Acq: 11 Feb 2019 19:04

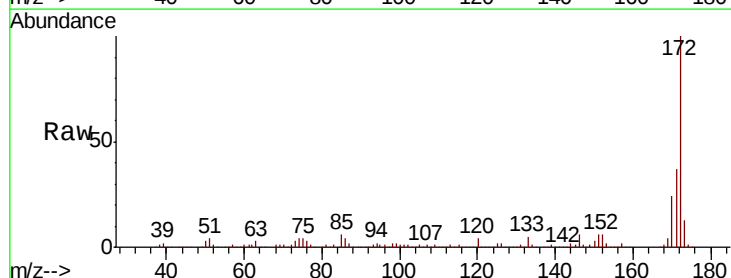
Tgt Ion:172 Resp: 1414931

Ion Ratio Lower Upper

172 100

171 36.7 30.5 45.7

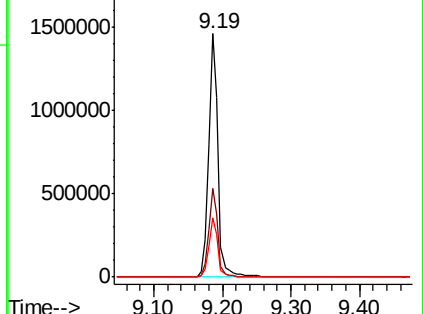
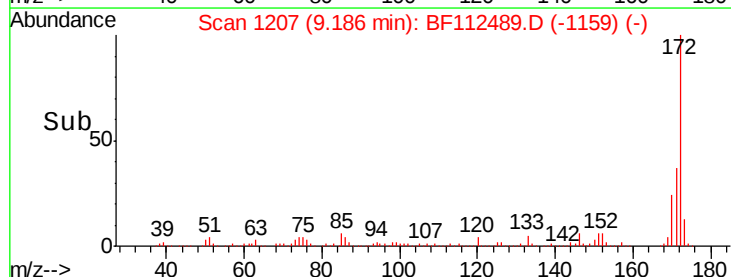
170 24.1 20.2 30.4

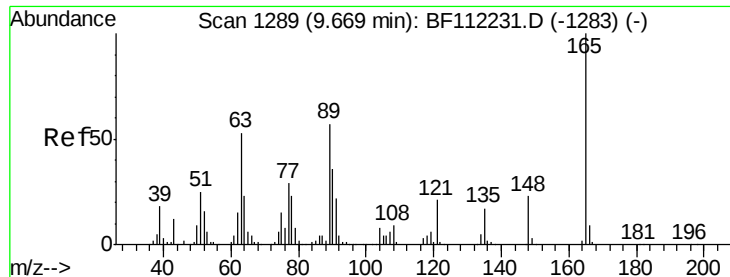


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

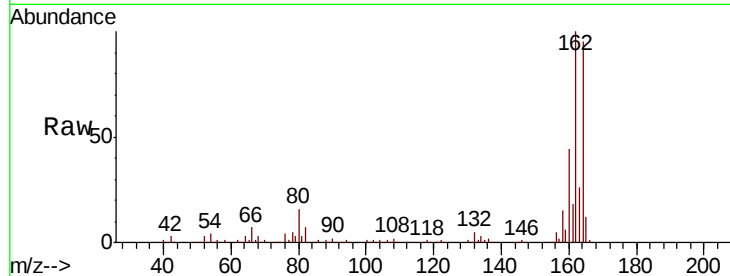




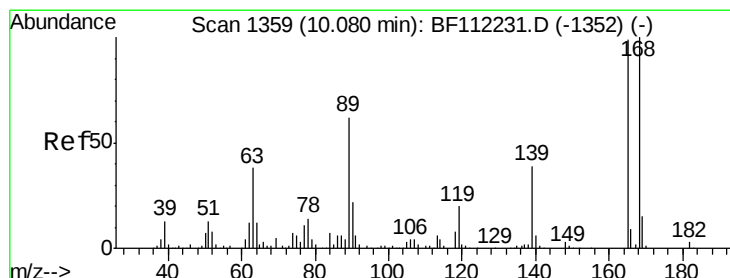
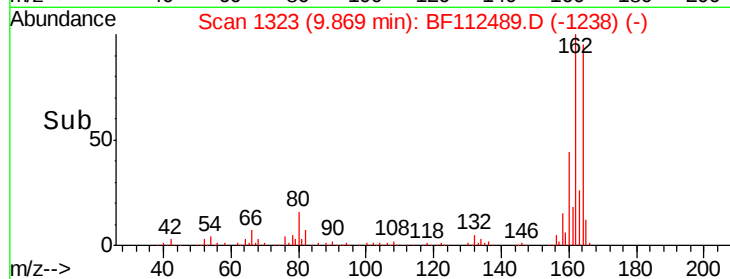
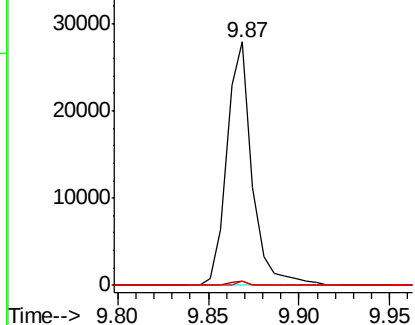
#51
 2,6-Dinitrotoluene
 Concen: 7.483 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112489.D
 Acq: 11 Feb 2019 19:04

Instrument :
 BNA_F
 ClientSampleId :
 M-9-D

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	33.8	50.8#
89	1.8	36.9	55.3#



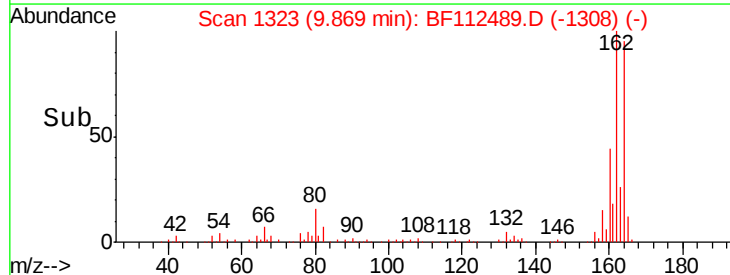
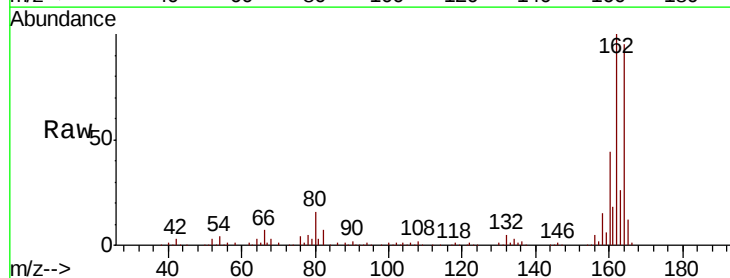
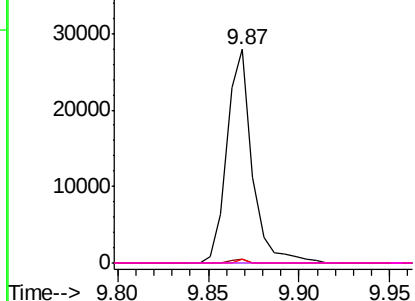
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

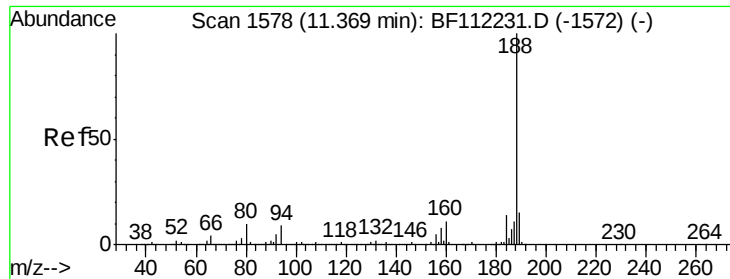


#57
 2,4-Dinitrotoluene
 Concen: 5.878 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112489.D
 Acq: 11 Feb 2019 19:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	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

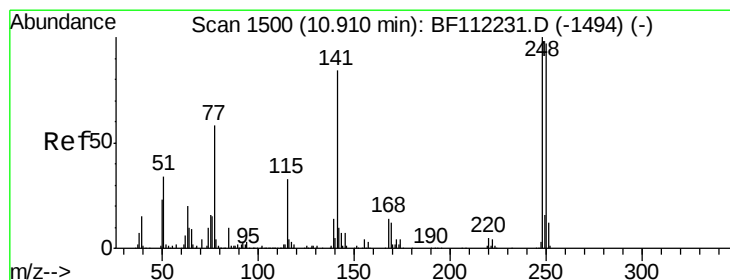
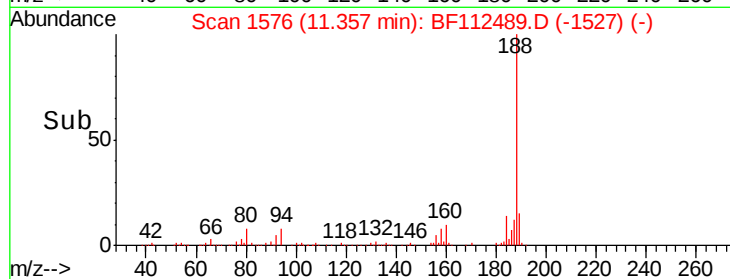
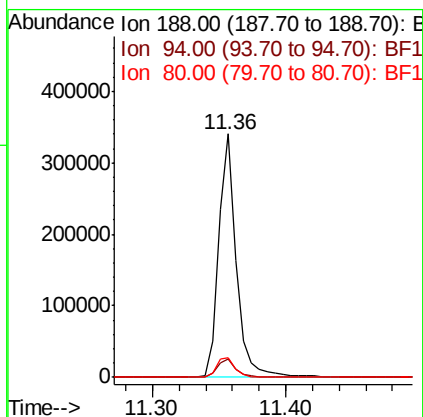
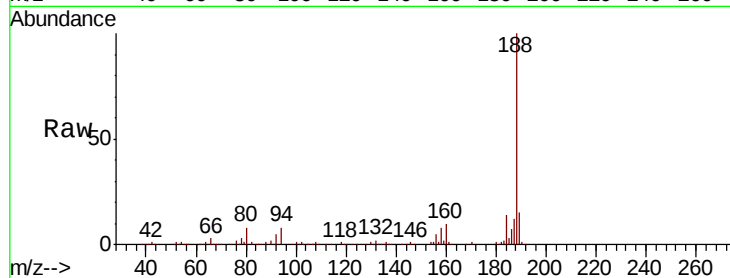




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112489.D
 Acq: 11 Feb 2019 19:04

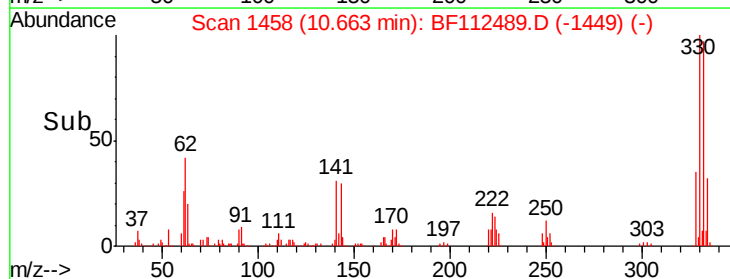
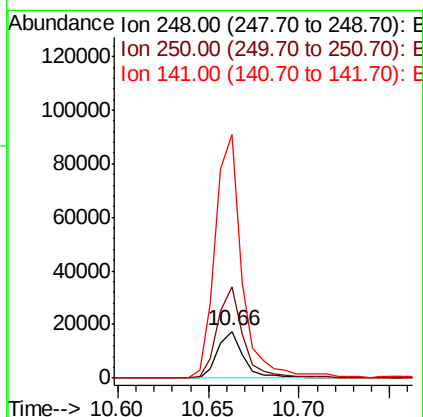
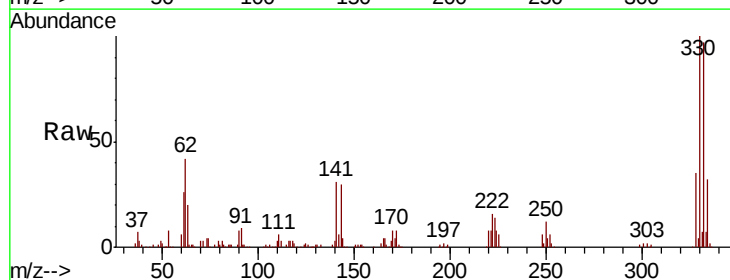
Instrument :
 BNA_F
 ClientSampled :
 M-9-D

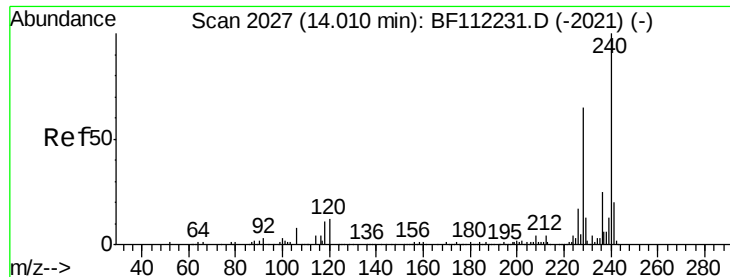
Tgt Ion:188 Resp: 319948
 Ion Ratio Lower Upper
 188 100
 94 7.7 8.2 12.2#
 80 8.0 8.9 13.3#



#67
 4-Bromophenyl-phenylether
 Concen: 4.582 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112489.D
 Acq: 11 Feb 2019 19:04

Tgt Ion:248 Resp: 17242
 Ion Ratio Lower Upper
 248 100
 250 195.8 79.7 119.5#
 141 519.3 60.3 90.5#

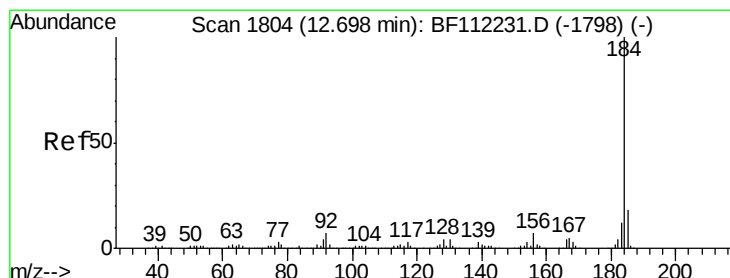
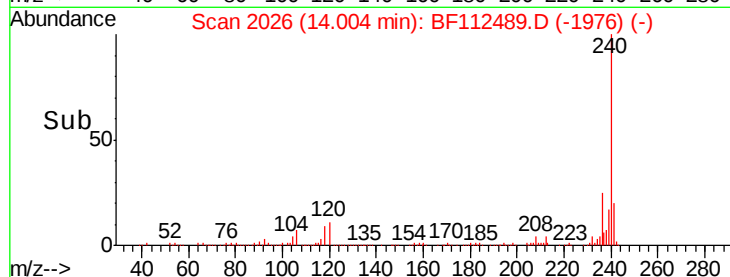
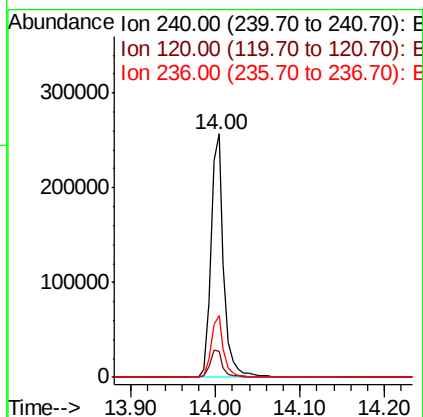
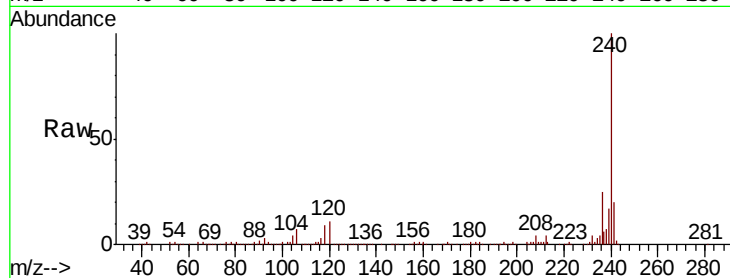




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112489.D
Acq: 11 Feb 2019 19:04

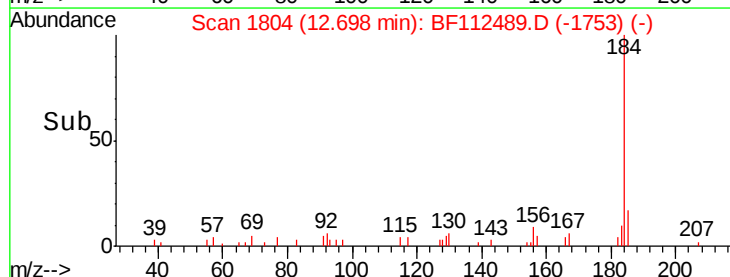
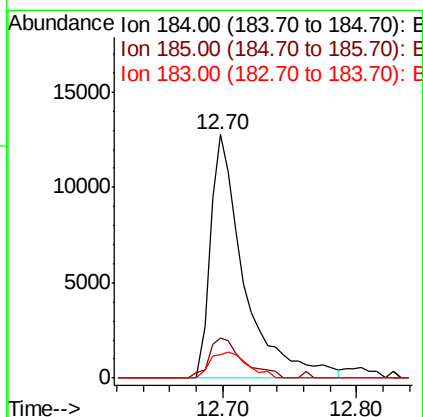
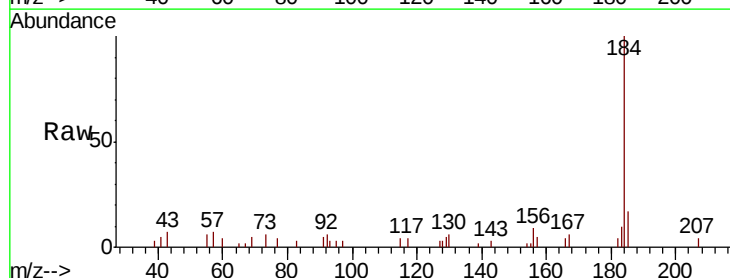
Instrument :
BNA_F
ClientSampleId :
M-9-D

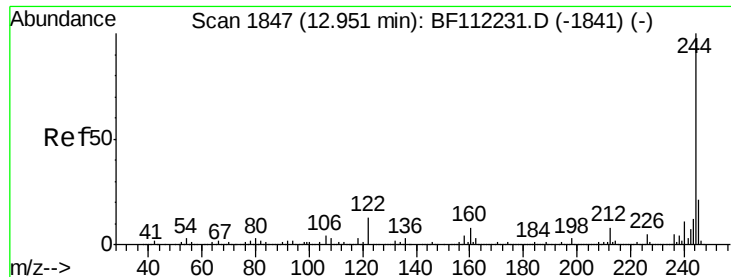
Tgt Ion:240 Resp: 275510
Ion Ratio Lower Upper
240 100
120 10.6 9.0 13.6
236 25.5 20.7 31.1



#77
Benzidine
Concen: 2.966 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.00 min
Lab File: BF112489.D
Acq: 11 Feb 2019 19:04

Tgt Ion:184 Resp: 22489
Ion Ratio Lower Upper
184 100
185 16.6 13.9 20.9
183 9.9 10.0 15.0#

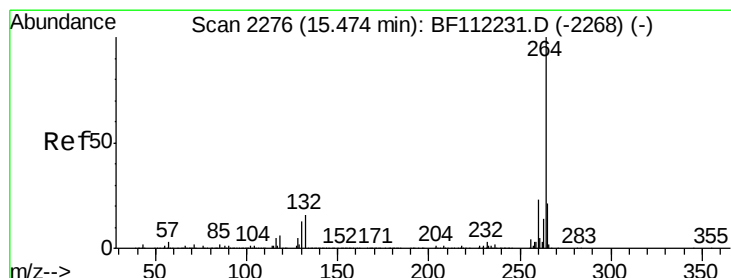
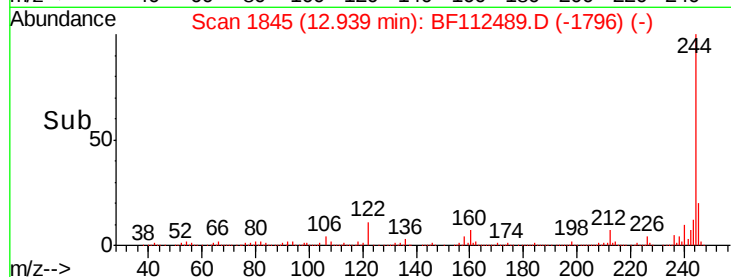
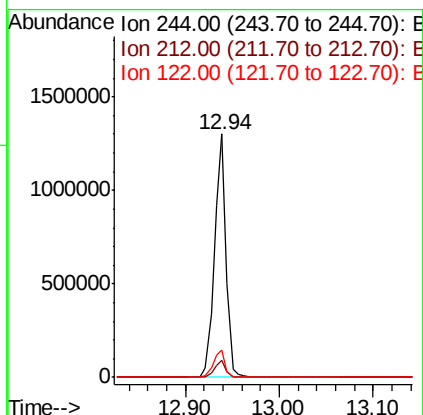
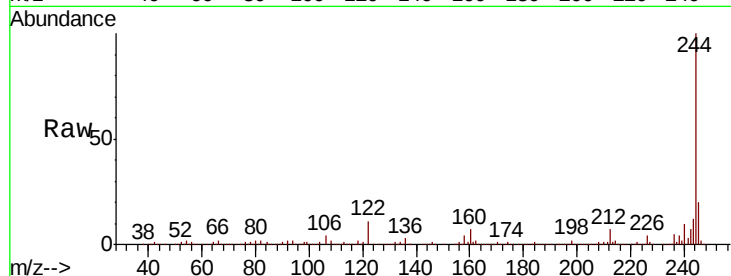




#79
 Terphenyl-d14
 Concen: 77.396 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112489.D
 Acq: 11 Feb 2019 19:04

Instrument :
 BNA_F
 ClientSampleId :
 M-9-D

Tgt Ion:244 Resp: 1132140
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 11.0 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: BF112489.D
 Acq: 11 Feb 2019 19:04

Tgt Ion:264 Resp: 291488
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.2 27.2
 265 21.0 17.0 25.4

