

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021119\
 Data File : BF112488.D
 Acq On : 11 Feb 2019 18:37
 Operator : JU/SJ
 Sample : K1453-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-9-S

Quant Time: Feb 12 00:00:50 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

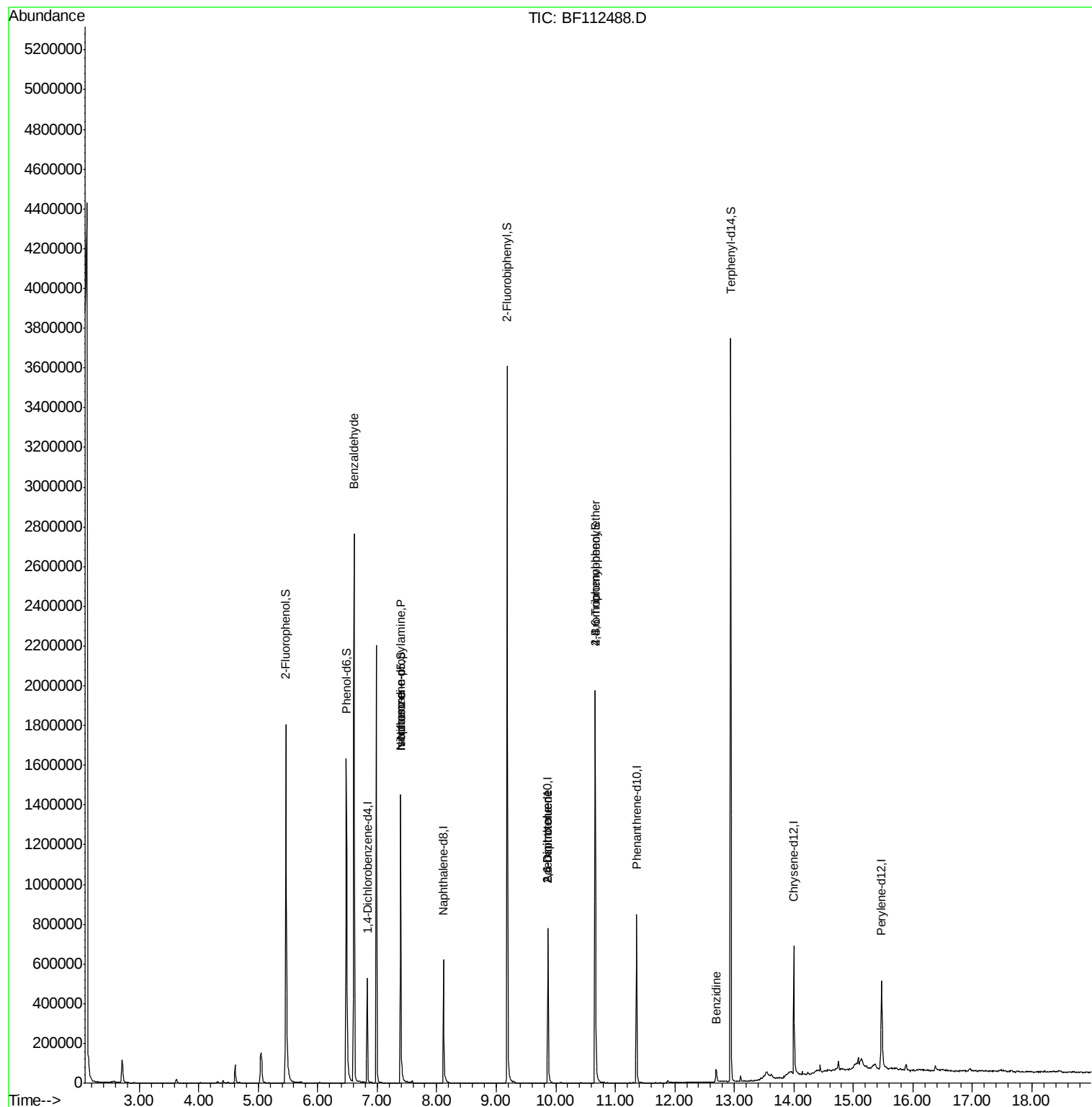
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	86496	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	332039	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	164995	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	321195	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	254629	20.00	ng	-0.01
87) Perylene-d12	15.47	264	226968	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	582867	143.13	ng	-0.01
7) Phenol-d6	6.48	99	636304	112.45	ng	-0.01
23) Nitrobenzene-d5	7.39	82	518176	89.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	273768	142.55	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1066263	91.40	ng	-0.02
79) Terphenyl-d14	12.94	244	1202941	88.98	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.61	77	15869	5.366	ng	83
19) n-Nitroso-di-n-propylamine	7.39	70	70035	17.949	ng	# 77
25) Isophorone	7.39	82	518173	57.318	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	20638	7.188	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	20638	5.646	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	16857	4.462	ng	# 1
77) Benzydine	12.69	184	40934	5.841	ng	97

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

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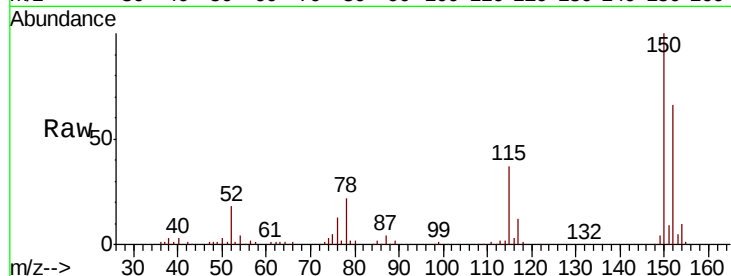




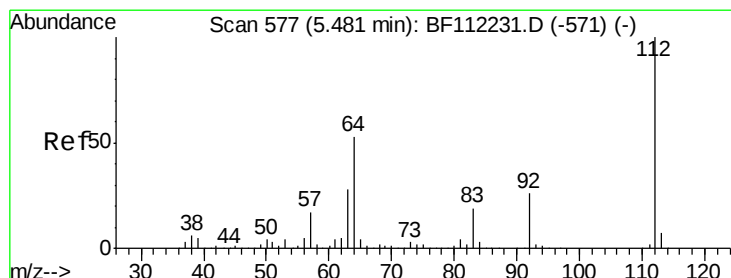
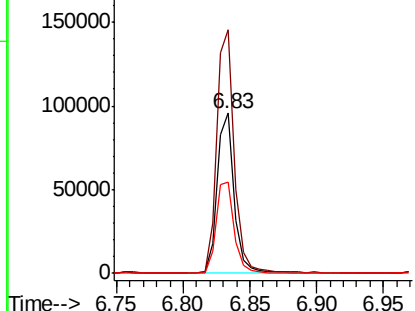
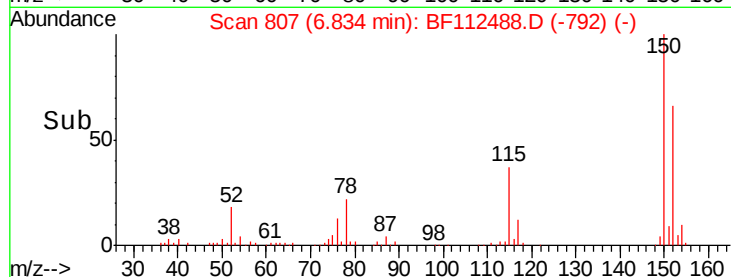
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112488.D
 Acq: 11 Feb 2019 18:37

Instrument :
 BNA_F
 ClientSampleId :
 M-9-S

Tgt Ion:152 Resp: 86496
 Ion Ratio Lower Upper
 152 100
 150 152.0 127.4 191.0
 115 56.8 45.5 68.3

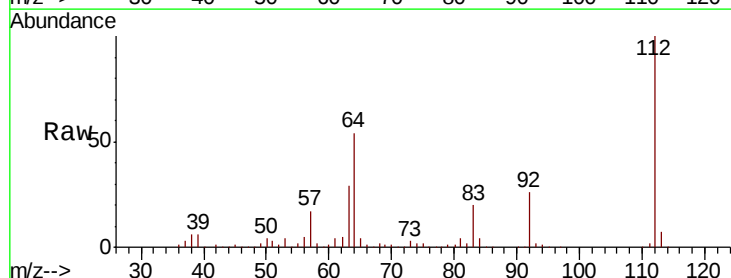


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

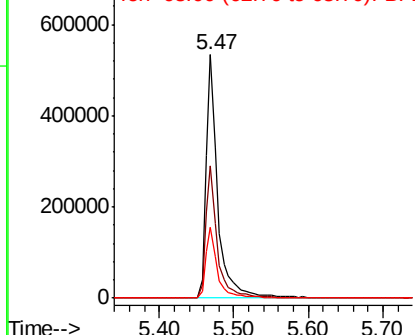
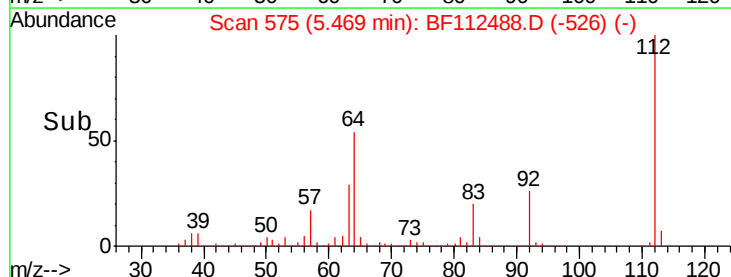


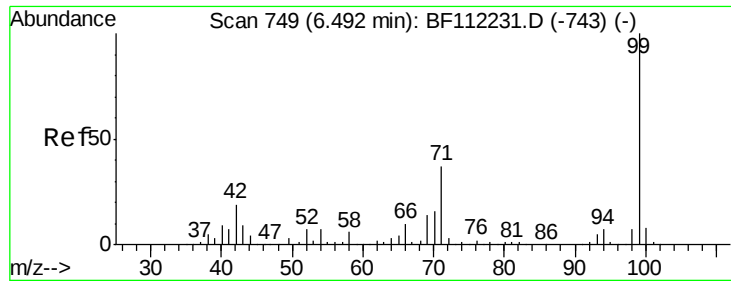
#5
 2-Fluorophenol
 Concen: 143.134 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF112488.D
 Acq: 11 Feb 2019 18:37

Tgt Ion:112 Resp: 582867
 Ion Ratio Lower Upper
 112 100
 64 54.3 45.7 68.5
 63 28.9 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: 112.451 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112488.D

Acq: 11 Feb 2019 18:37

Instrument :

BNA_F

ClientSampleId :

M-9-S

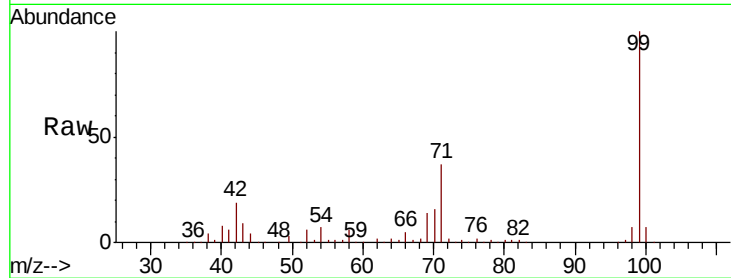
Tgt Ion: 99 Resp: 636304

Ion Ratio Lower Upper

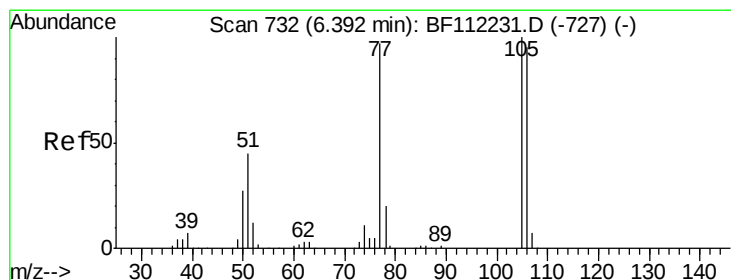
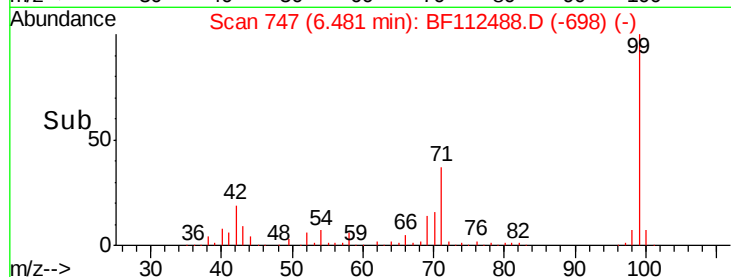
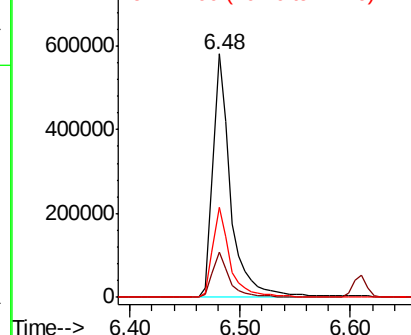
99 100

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



#9

Benzaldehyde

Concen: 5.366 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.22 min

Lab File: BF112488.D

Acq: 11 Feb 2019 18:37

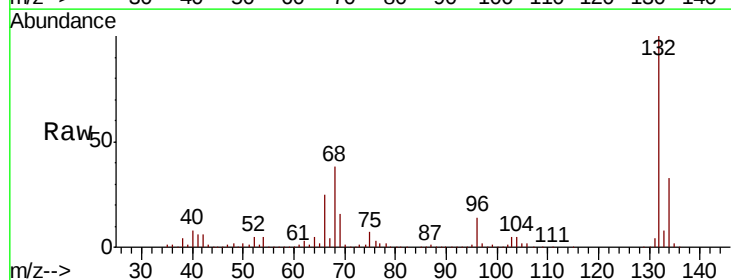
Tgt Ion: 77 Resp: 15869

Ion Ratio Lower Upper

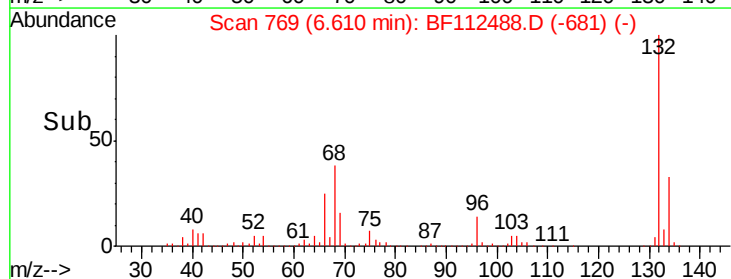
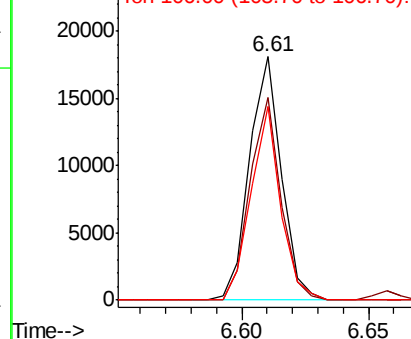
77 100

105 83.1 80.8 120.8

106 79.6 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

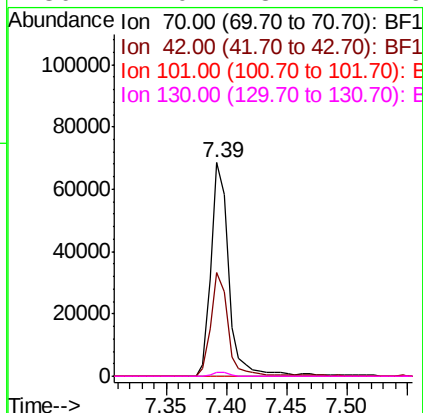
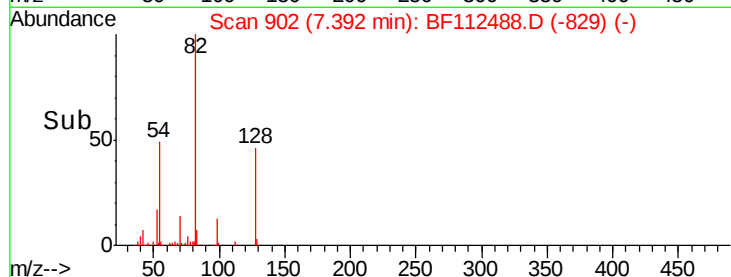
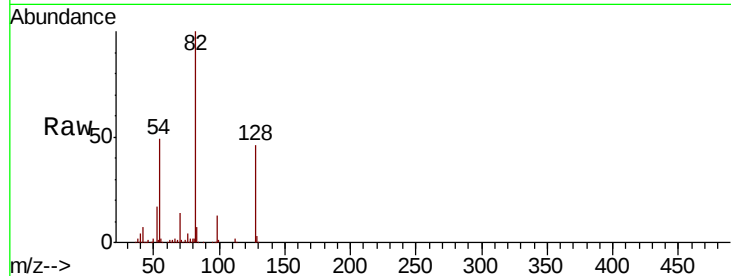




#19
n-Nitroso-di-n-propylamine
Concen: 17.949 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.13 min
Lab File: BF112488.D
Acq: 11 Feb 2019 18:37

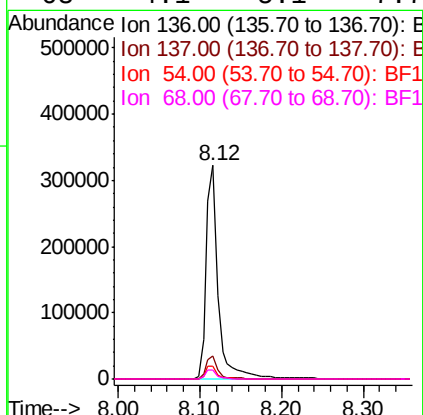
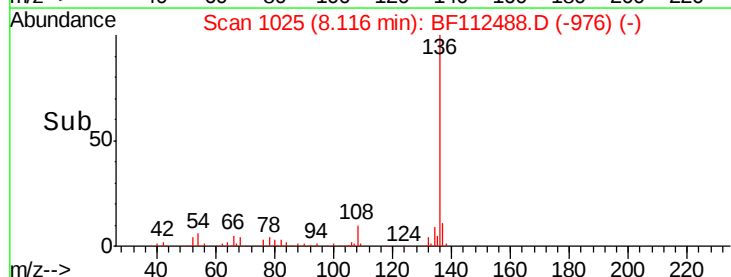
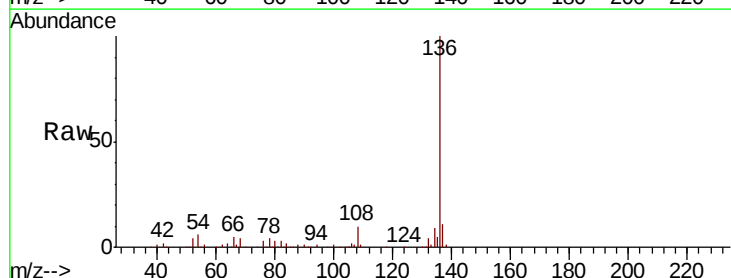
Instrument :
BNA_F
ClientSampled :
M-9-S

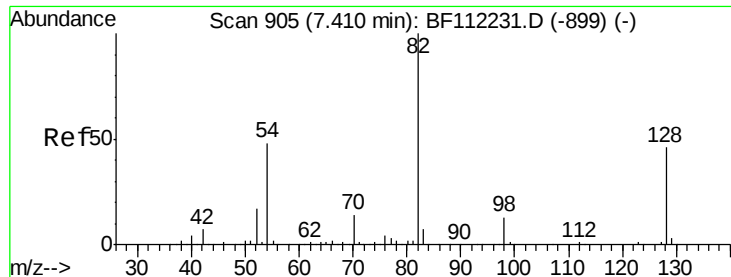
Tgt Ion: 70 Resp: 70035
Ion Ratio Lower Upper
70 100
42 48.8 47.6 71.4
101 0.0 7.9 11.9#
130 2.0 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112488.D
Acq: 11 Feb 2019 18:37

Tgt Ion: 136 Resp: 332039
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 5.7 5.9 8.9#
68 4.1 5.1 7.7#

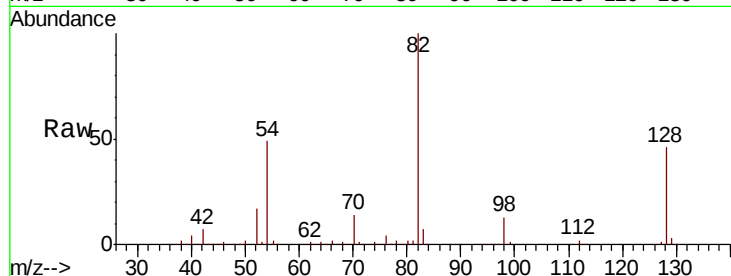




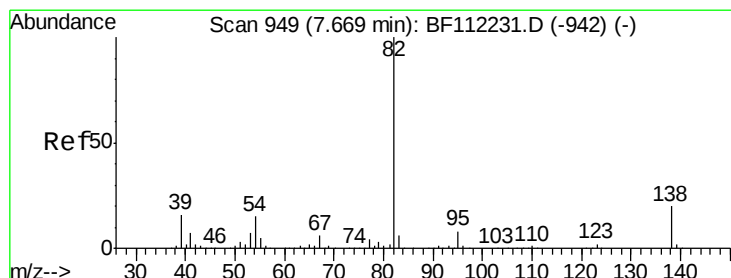
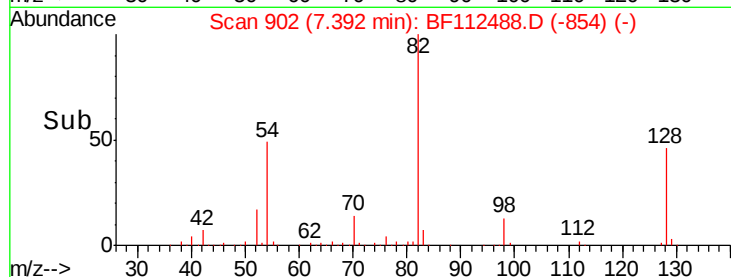
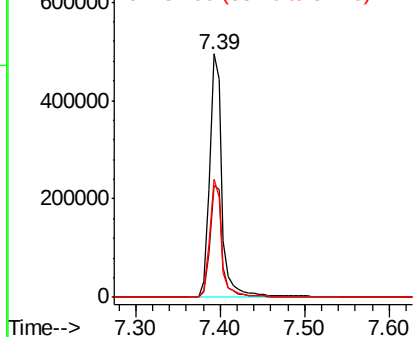
#23
Nitrobenzene-d5
Concen: 89.921 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112488.D
Acq: 11 Feb 2019 18:37

Instrument :
BNA_F
ClientSampleId :
M-9-S

Tgt Ion: 82 Resp: 518176
Ion Ratio Lower Upper
82 100
128 45.8 37.8 56.8
54 48.7 39.7 59.5

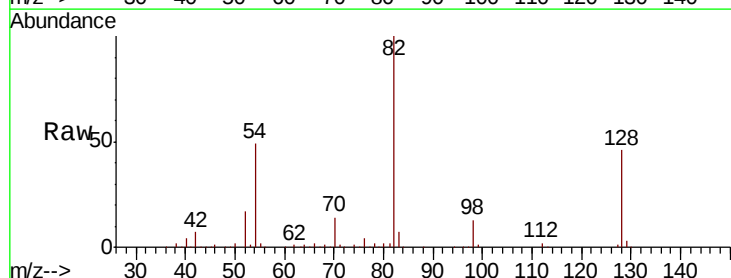


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

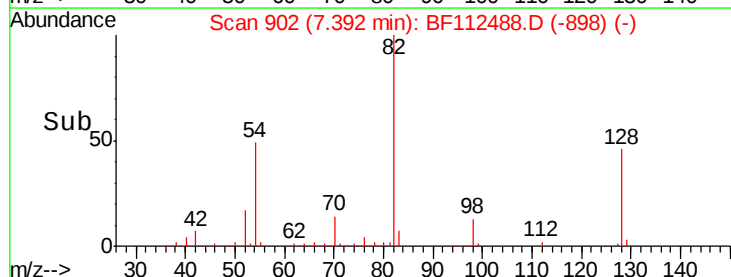
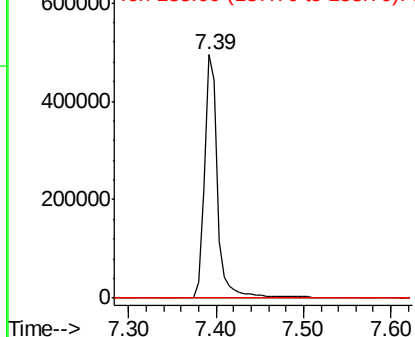


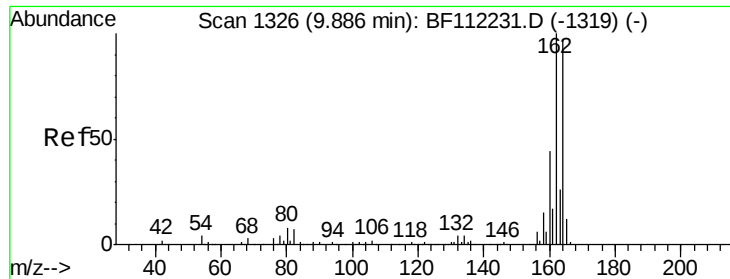
#25
Isophorone
Concen: 57.318 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.28 min
Lab File: BF112488.D
Acq: 11 Feb 2019 18:37

Tgt Ion: 82 Resp: 518173
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

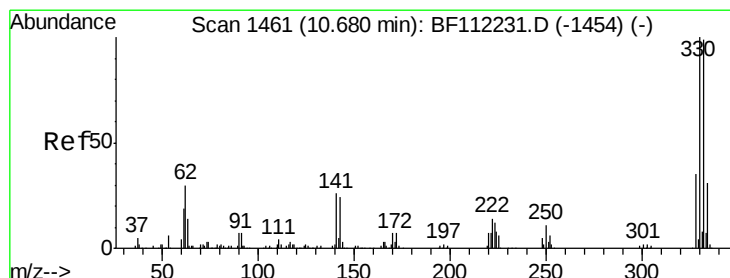
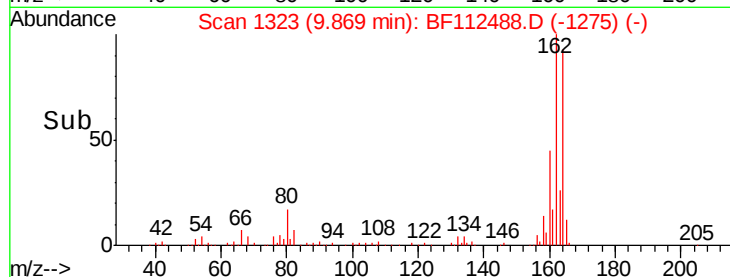
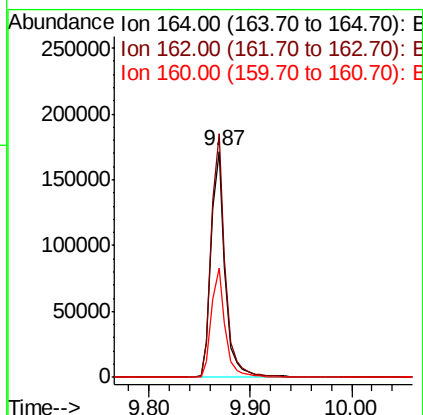
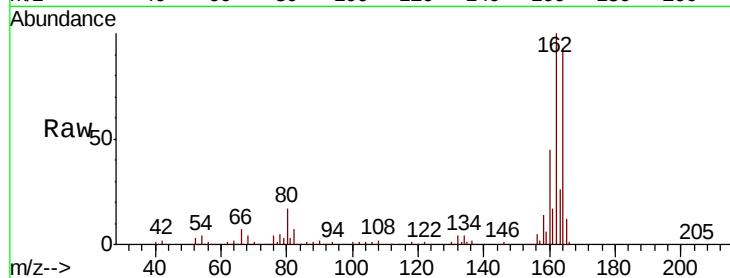




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112488.D
 Acq: 11 Feb 2019 18:37

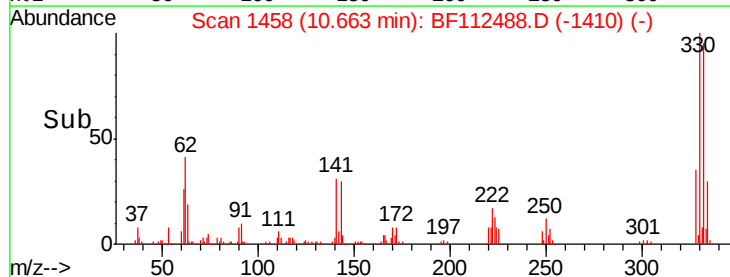
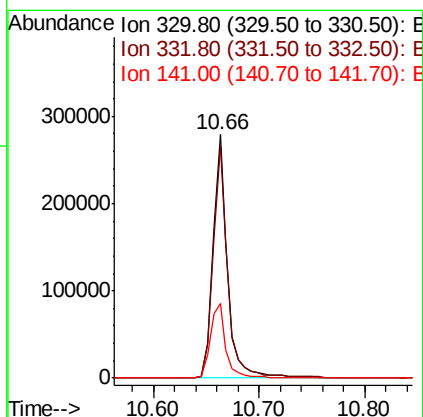
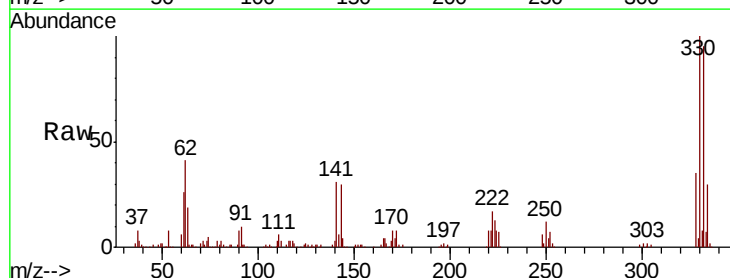
Instrument :
 BNA_F
 ClientSampleId :
 M-9-S

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.7	82.2	123.4
160	48.5	36.2	54.4



#42
 2,4,6-Tribromophenol
 Concen: 142.551 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112488.D
 Acq: 11 Feb 2019 18:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	32.8	24.3	36.5

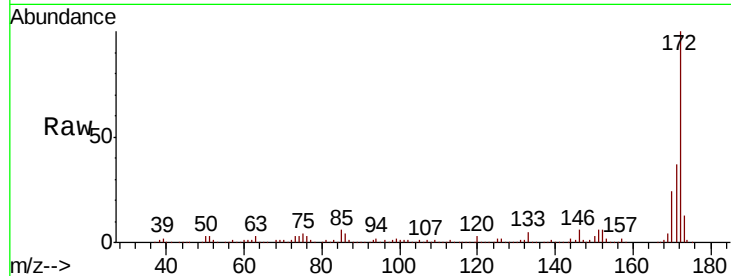




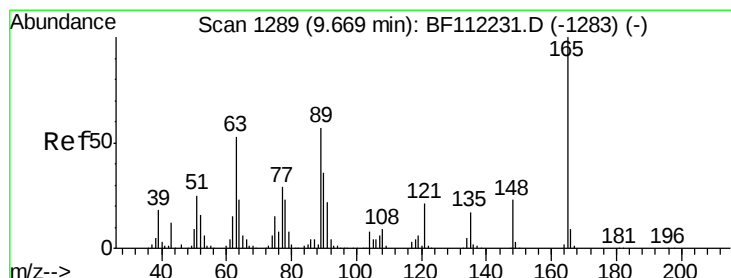
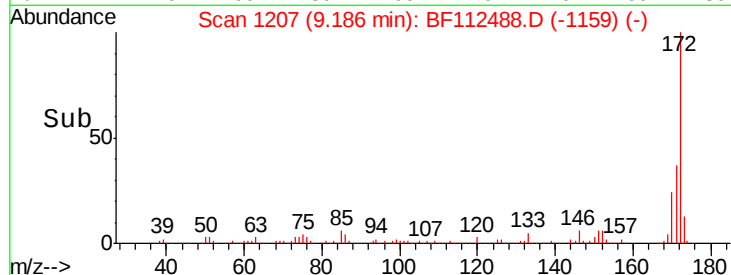
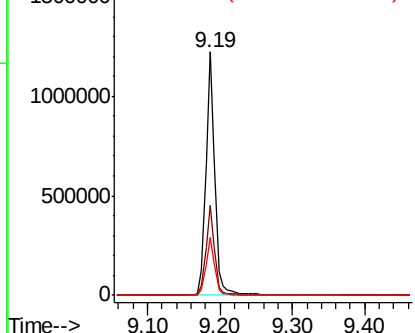
#45
 2-Fluorobiphenyl
 Concen: 91.400 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112488.D
 Acq: 11 Feb 2019 18:37

Instrument :
 BNA_F
 ClientSampleId :
 M-9-S

Tgt Ion:172 Resp: 1066263
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.5 45.7
 170 23.9 20.2 30.4

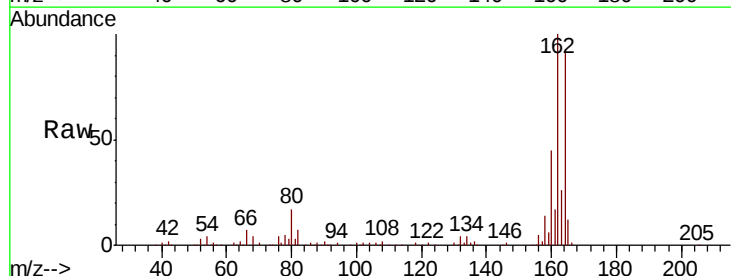


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

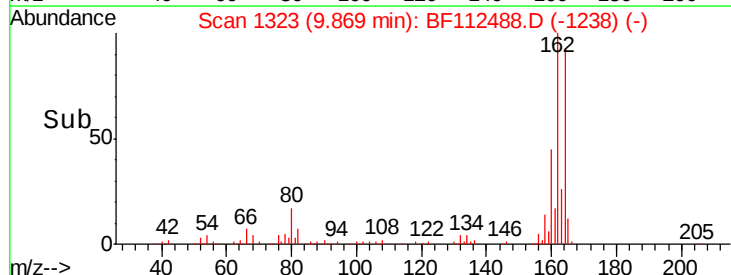
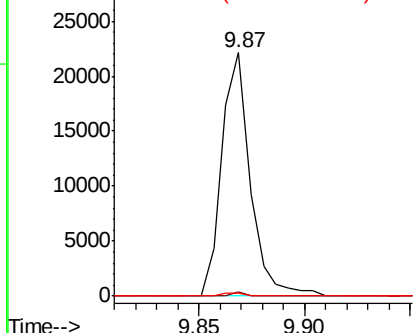


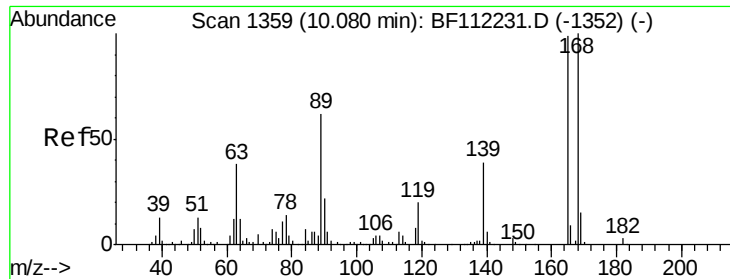
#51
 2,6-Dinitrotoluene
 Concen: 7.188 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112488.D
 Acq: 11 Feb 2019 18:37

Tgt Ion:165 Resp: 20638
 Ion Ratio Lower Upper
 165 100
 63 1.7 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: 5.646 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112488.D

Acq: 11 Feb 2019 18:37

Instrument :

BNA_F

ClientSampleId :

M-9-S

Tgt Ion:165 Resp: 20638

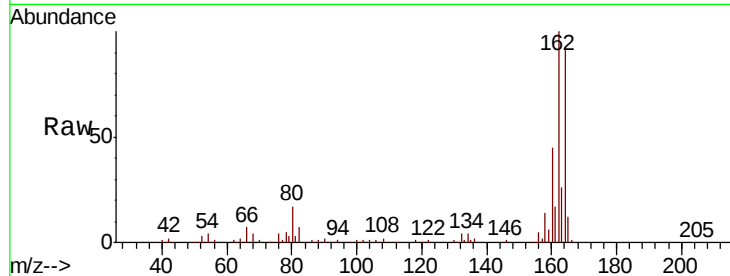
Ion Ratio Lower Upper

165 100

63 1.7 27.9 41.9#

89 1.5 47.9 71.9#

182 0.0 2.2 3.4#

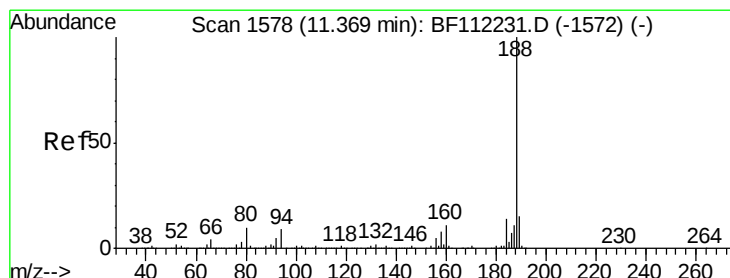
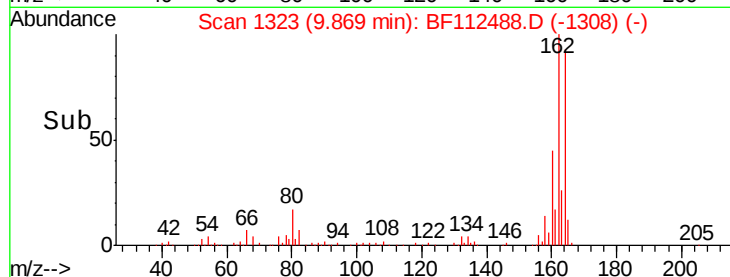
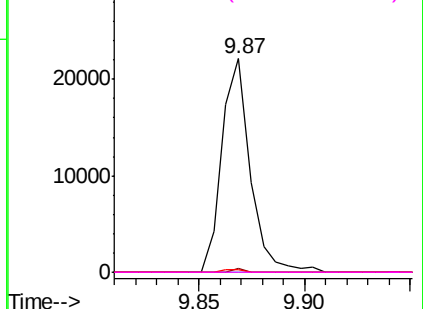


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF112488.D

Acq: 11 Feb 2019 18:37

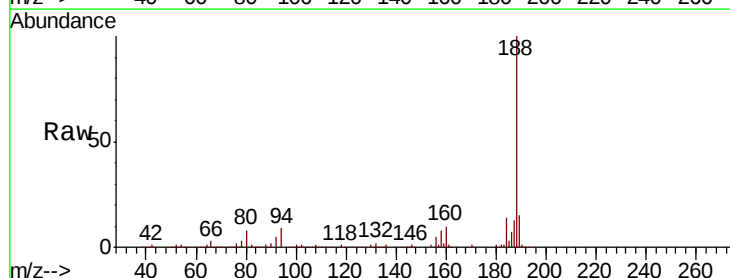
Tgt Ion:188 Resp: 321195

Ion Ratio Lower Upper

188 100

94 8.5 8.2 12.2

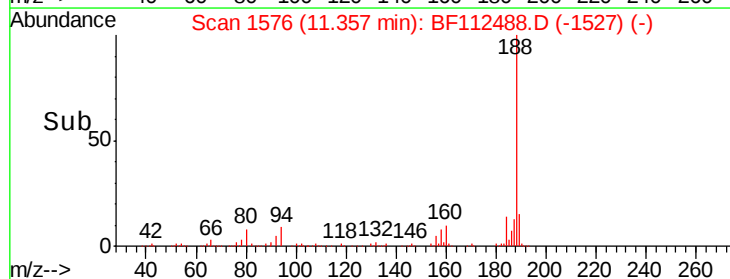
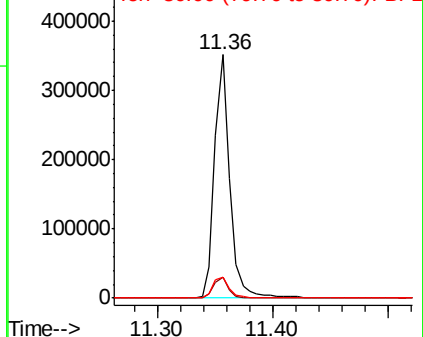
80 8.5 8.9 13.3#

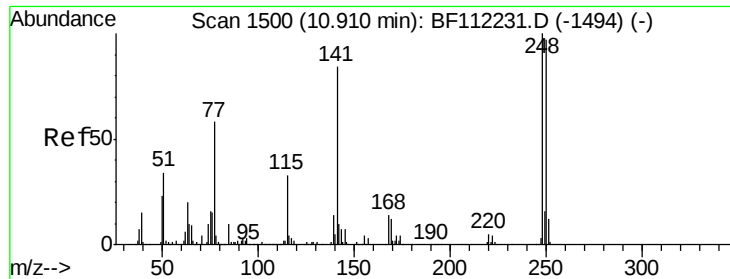


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

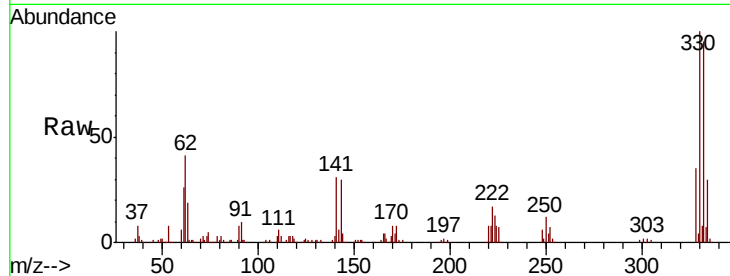




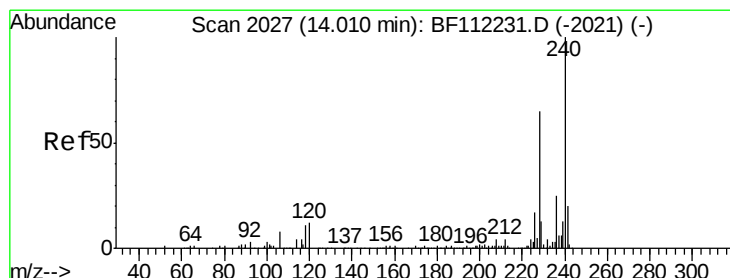
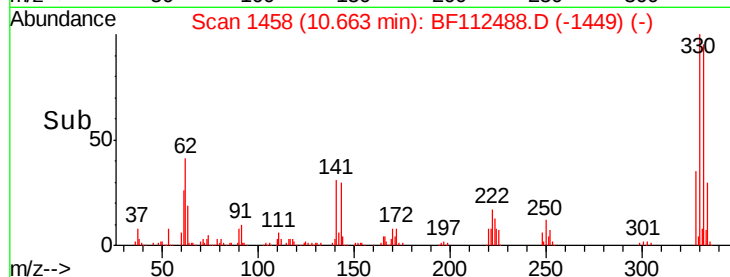
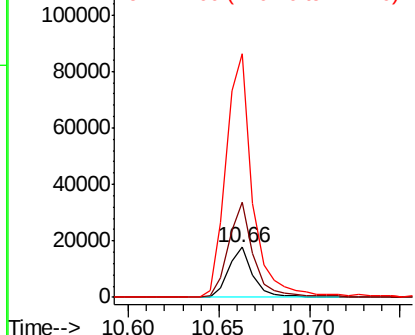
#67
 4-Bromophenyl-phenylether
 Concen: 4.462 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112488.D
 Acq: 11 Feb 2019 18:37

Instrument :
 BNA_F
 ClientSampleId :
 M-9-S

Tgt Ion:248 Resp: 16857
 Ion Ratio Lower Upper
 248 100
 250 191.5 79.7 119.5#
 141 487.4 60.3 90.5#

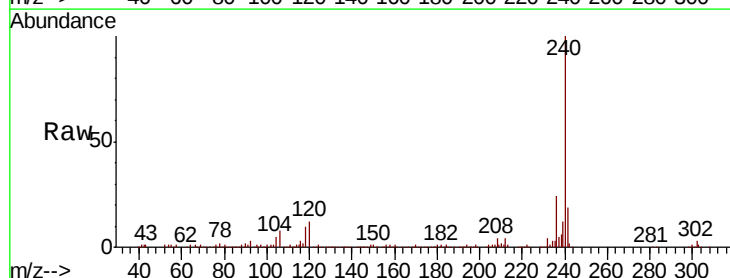


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

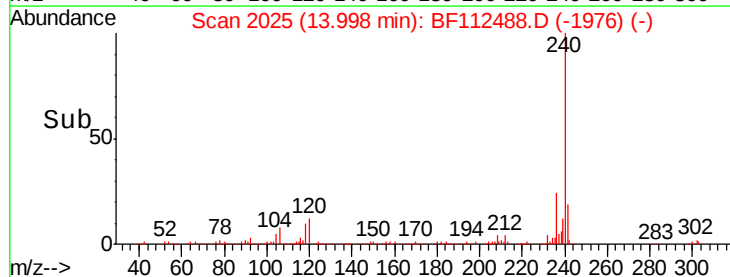
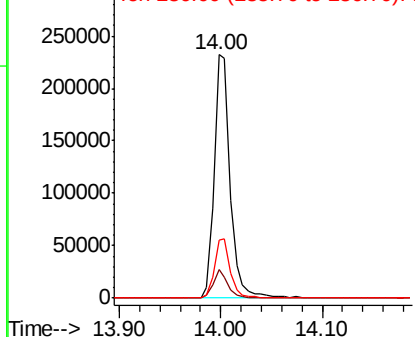


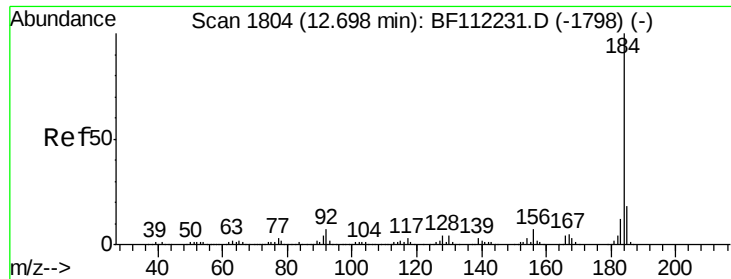
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF112488.D
 Acq: 11 Feb 2019 18:37

Tgt Ion:240 Resp: 254629
 Ion Ratio Lower Upper
 240 100
 120 11.7 9.0 13.6
 236 24.1 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: 5.841 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF112488.D

Acq: 11 Feb 2019 18:37

Instrument :

BNA_F

ClientSampleId :

M-9-S

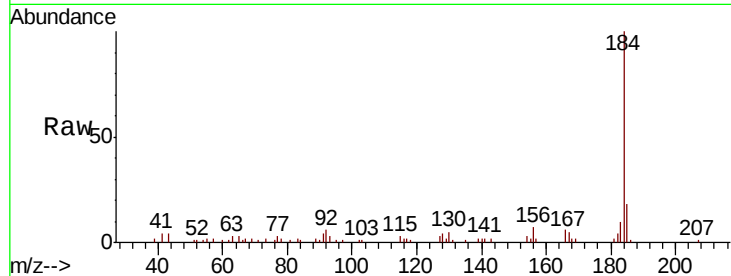
Tgt Ion:184 Resp: 40934

Ion Ratio Lower Upper

184 100

185 17.7 13.9 20.9

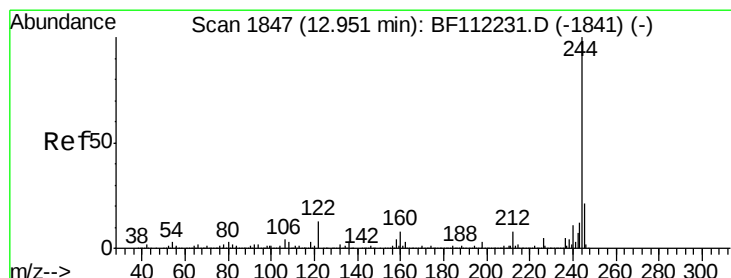
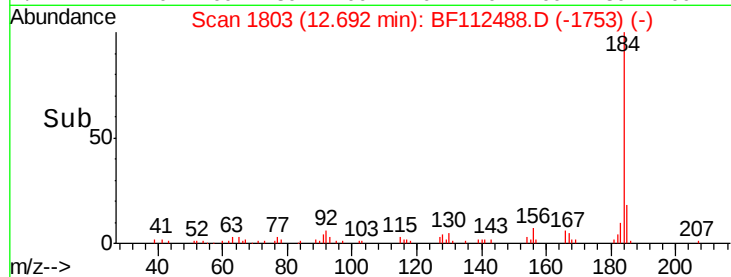
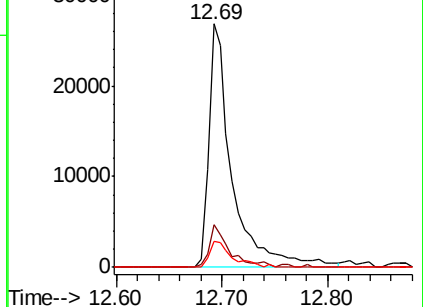
183 10.4 10.0 15.0



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: 88.979 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112488.D

Acq: 11 Feb 2019 18:37

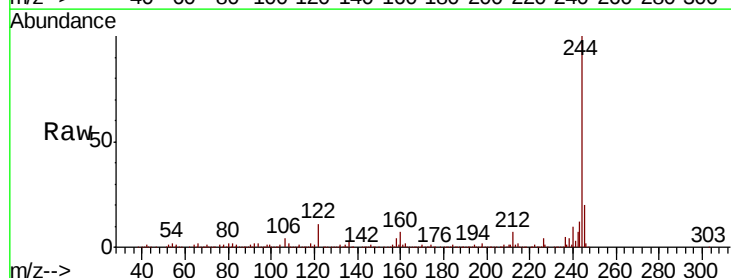
Tgt Ion:244 Resp: 1202941

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

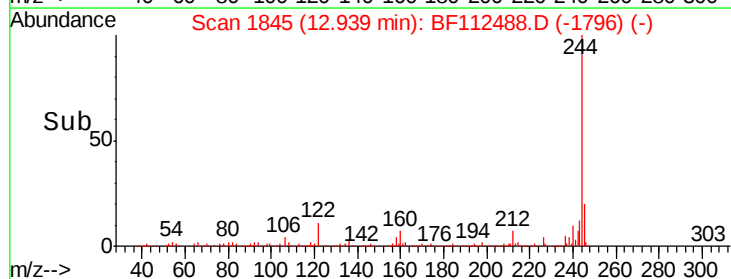
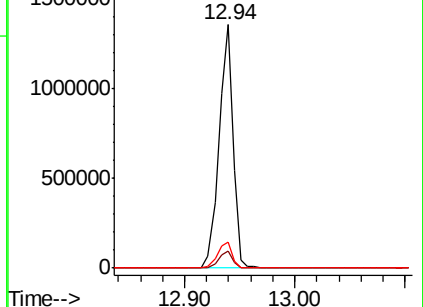
122 10.8 9.8 14.6

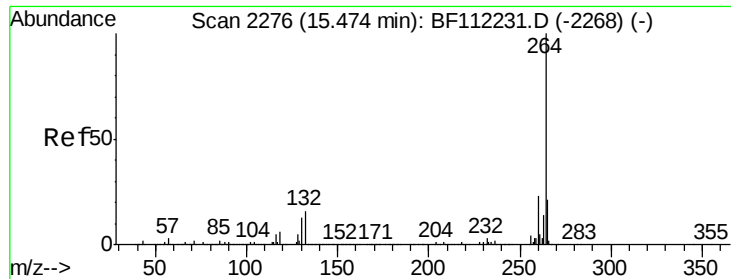


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF112488.D
Acq: 11 Feb 2019 18:37

Instrument :
BNA_F
ClientSampleId :
M-9-S

Tgt Ion: 264 Resp: 226968
Ion Ratio Lower Upper
264 100
260 23.4 18.2 27.2
265 21.0 17.0 25.4

