

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021119\
 Data File : BF112496.D
 Acq On : 11 Feb 2019 22:14
 Operator : JU/SJ
 Sample : K1450-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HOSPITAL-BOX-CULVERT-TP

Quant Time: Feb 12 00:02:06 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

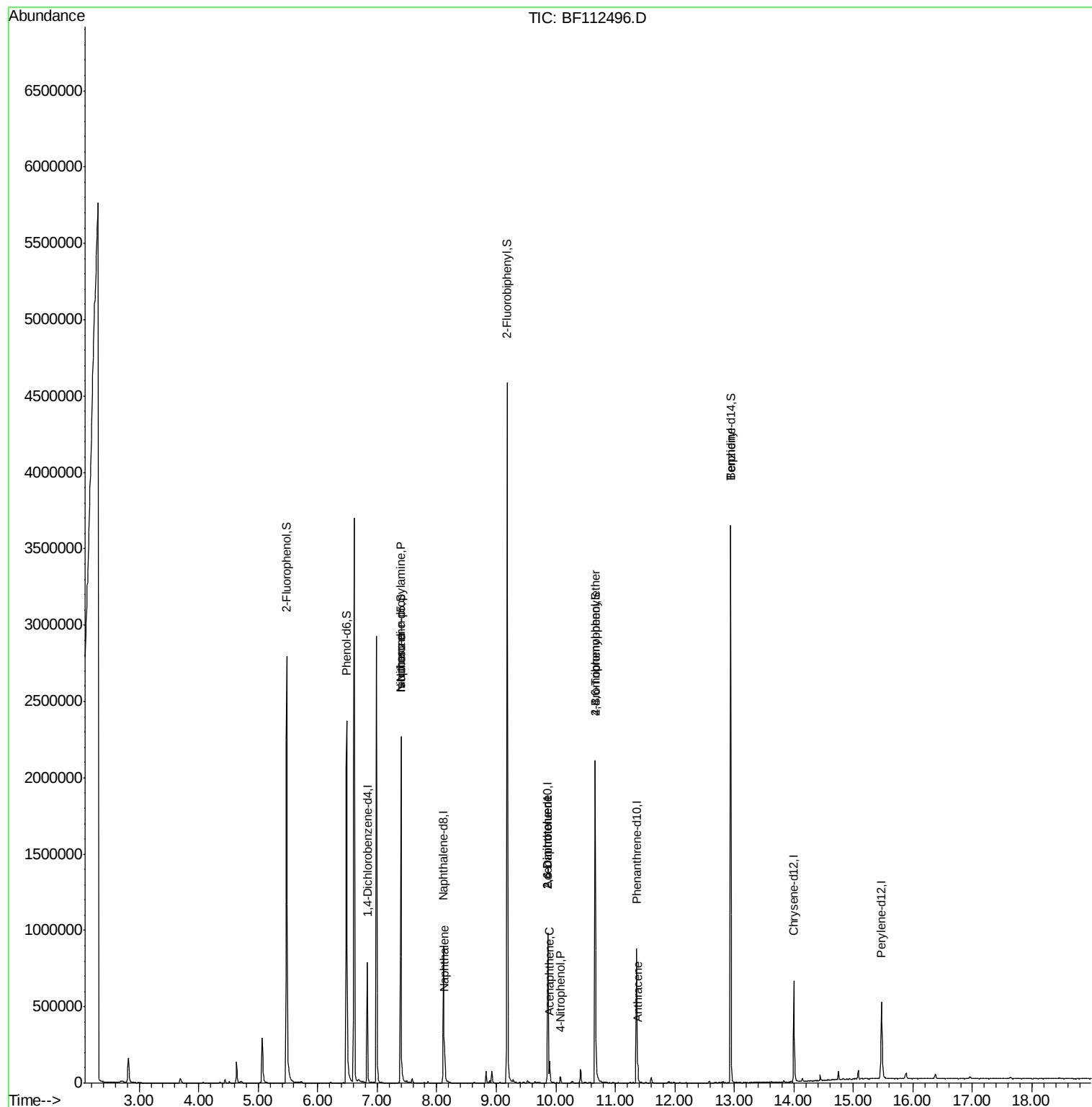
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	129403	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	481204	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	217242	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	348148	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	277927	20.00	ng	-0.01
87) Perylene-d12	15.47	264	272356	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	858876	140.98	ng	0.00
7) Phenol-d6	6.49	99	936687	110.65	ng	0.00
23) Nitrobenzene-d5	7.40	82	763913	91.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	303292	119.94	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1509811	98.30	ng	-0.02
79) Terphenyl-d14	12.94	244	1224171	82.96	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	104392	17.884	ng	# 75
25) Isophorone	7.40	82	763908	58.307	ng	# 63
31) Naphthalene	8.13	128	135356	6.015	ng	# 98
51) 2,6-Dinitrotoluene	9.87	165	27735	7.337	ng	# 34
52) Acenaphthene	9.90	154	31796	2.466	ng	# 99
56) 4-Nitrophenol	10.07	139	7491	3.460	ng	# 12
57) 2,4-Dinitrotoluene	9.87	165	27735	5.763	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	18146	4.432	ng	# 1
72) Anthracene	11.38	178	36195	2.008	ng	# 100
77) Benzidine	12.94	184	17108	2.236	ng	# 92

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

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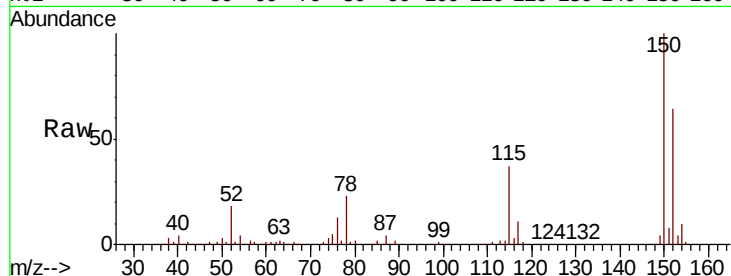


#1

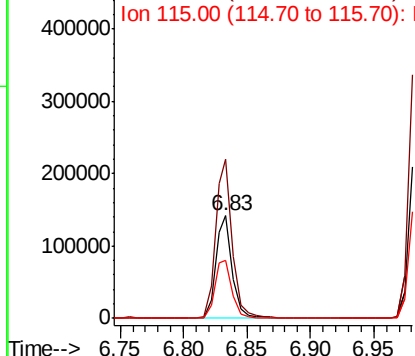
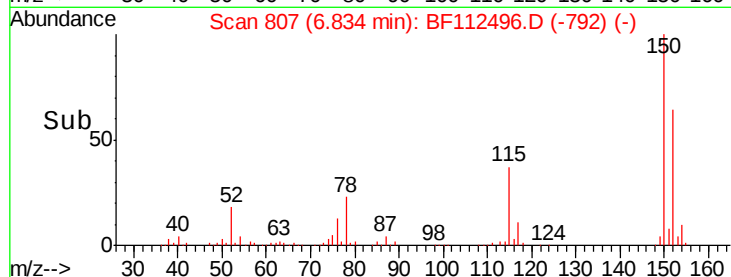
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112496.D
Acq: 11 Feb 2019 22:14

Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Tgt Ion:152 Resp: 129403
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.0
115 56.9 45.5 68.3



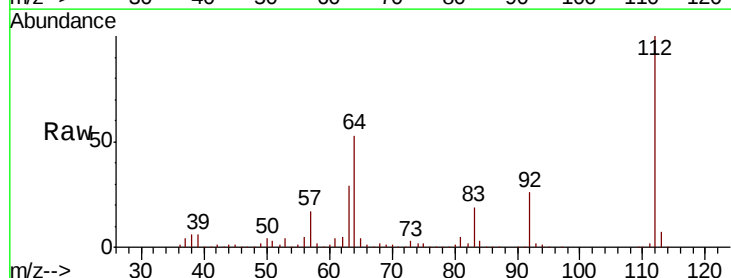
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



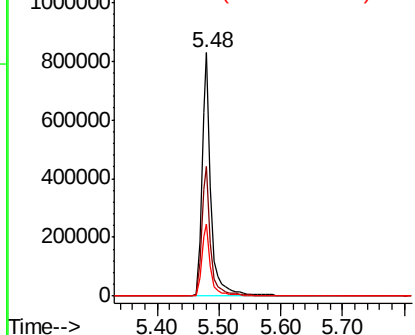
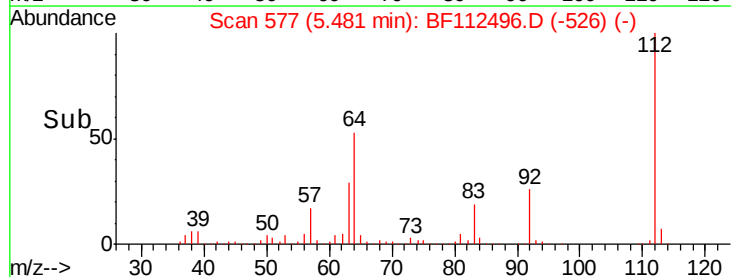
#5

2-Fluorophenol
Concen: 140.979 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF112496.D
Acq: 11 Feb 2019 22:14

Tgt Ion:112 Resp: 858876
Ion Ratio Lower Upper
112 100
64 53.2 45.7 68.5
63 29.4 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: 110.648 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112496.D

Acq: 11 Feb 2019 22:14

Instrument :

BNA_F

ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

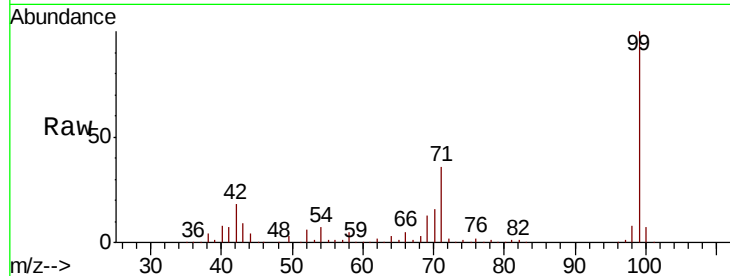
Tgt Ion: 99 Resp: 936687

Ion Ratio Lower Upper

99 100

42 17.6 15.1 22.7

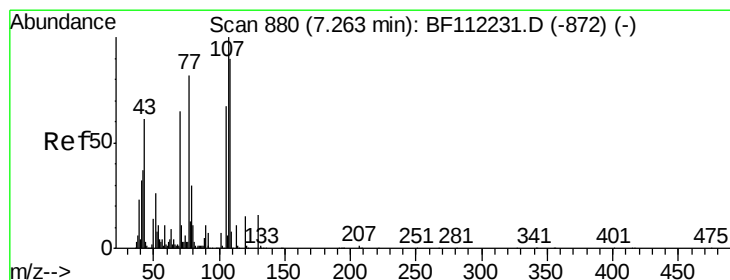
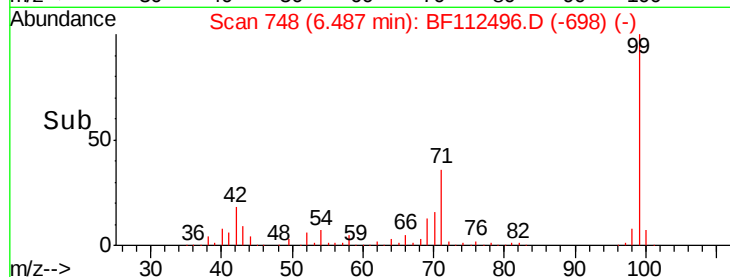
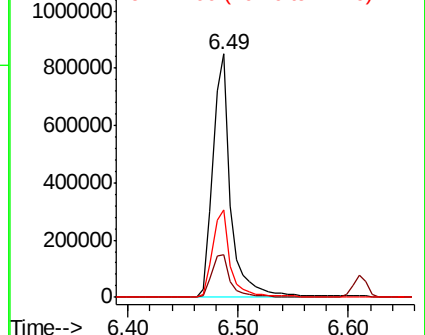
71 35.7 26.9 40.3



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: 17.884 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112496.D

Acq: 11 Feb 2019 22:14

Tgt Ion: 70 Resp: 104392

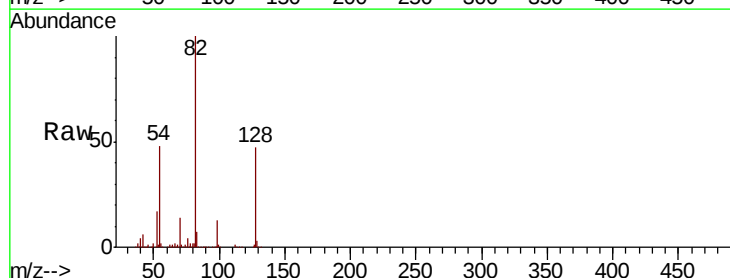
Ion Ratio Lower Upper

70 100

42 46.4 47.6 71.4#

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

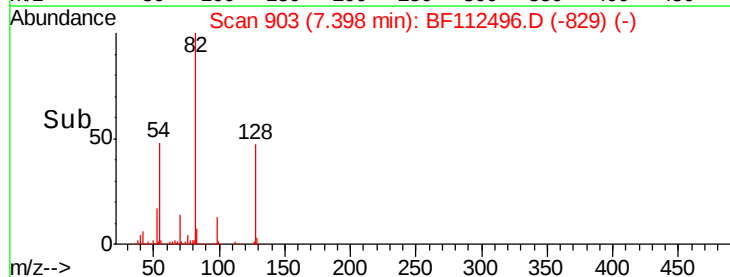
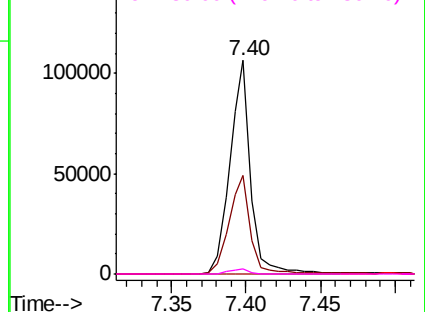


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF112496.D

Acq: 11 Feb 2019 22:14

Instrument :

BNA_F

ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tgt Ion: 136 Resp: 481204

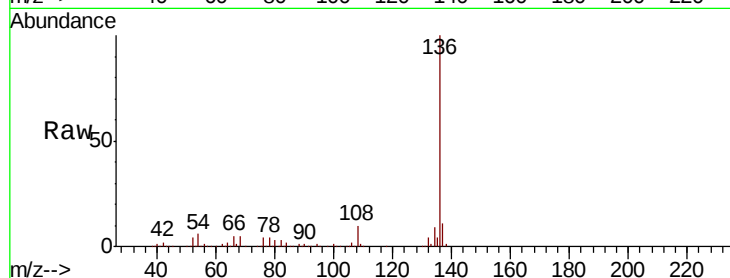
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.4 5.9 8.9

68 4.9 5.1 7.7#

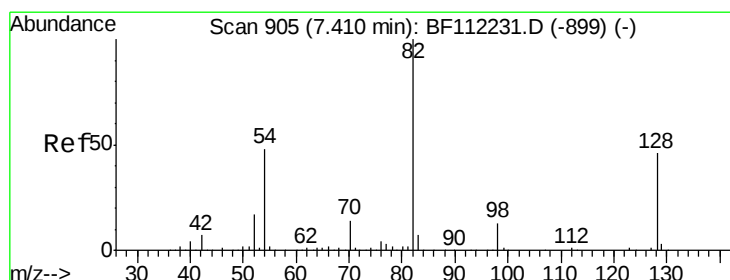
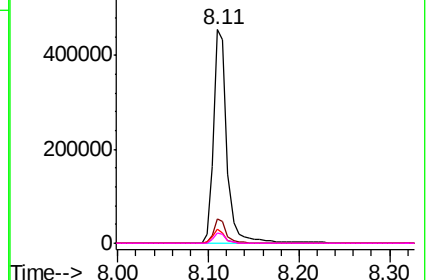
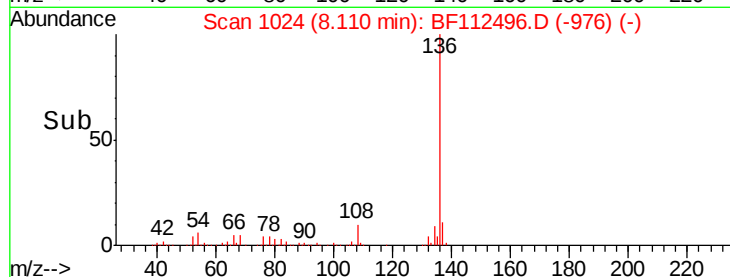


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.472 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112496.D

Acq: 11 Feb 2019 22:14

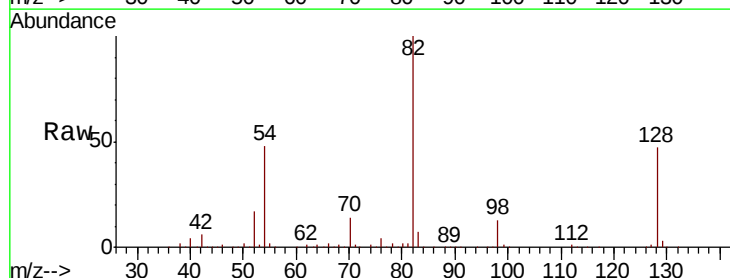
Tgt Ion: 82 Resp: 763913

Ion Ratio Lower Upper

82 100

128 47.5 37.8 56.8

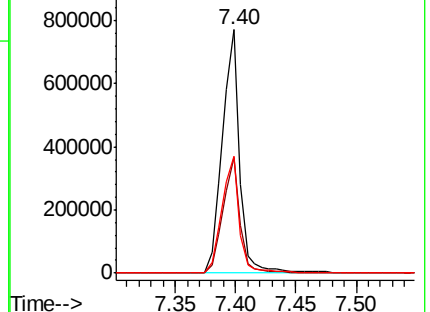
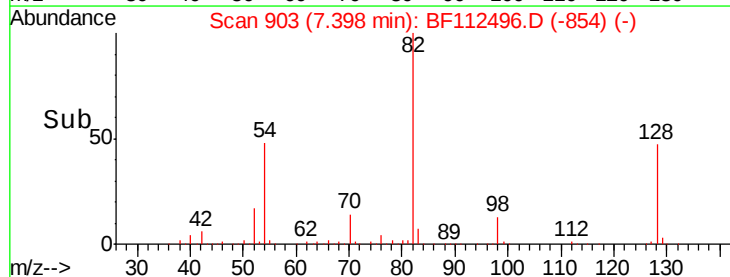
54 48.0 39.7 59.5



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: 58.307 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112496.D

Acq: 11 Feb 2019 22:14

Instrument :

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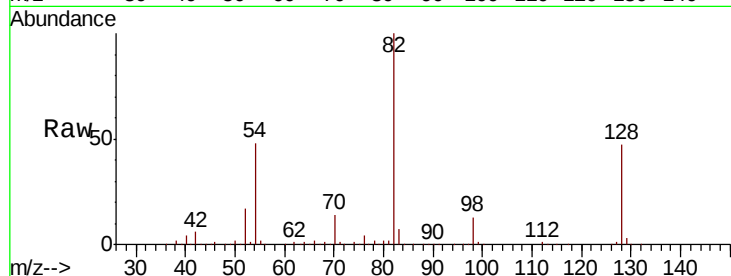
Tgt Ion: 82 Resp: 763908

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

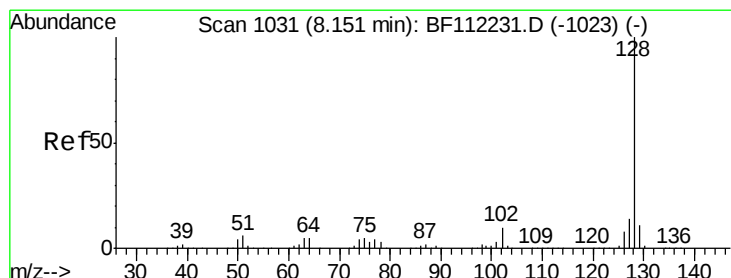
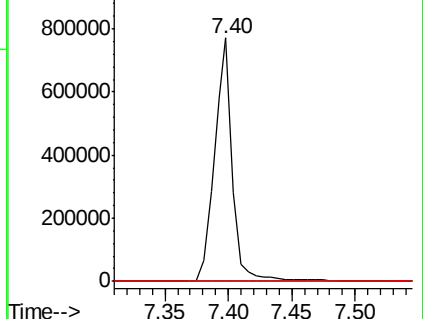
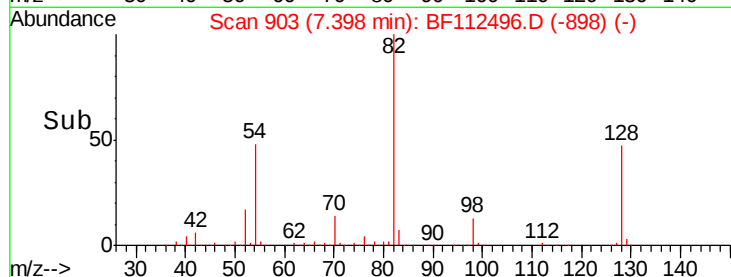
138 0.0 15.4 23.0#



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



#31

Naphthalene

Concen: 6.015 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BF112496.D

Acq: 11 Feb 2019 22:14

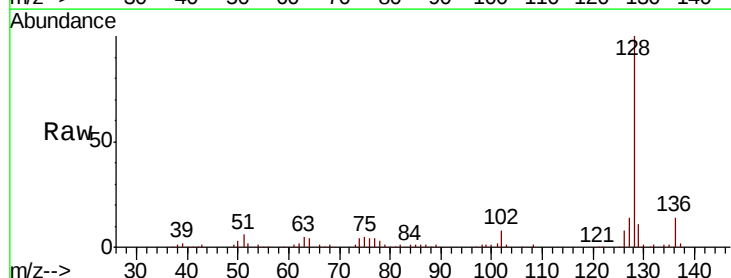
Tgt Ion: 128 Resp: 135356

Ion Ratio Lower Upper

128 100

129 10.9 9.6 14.4

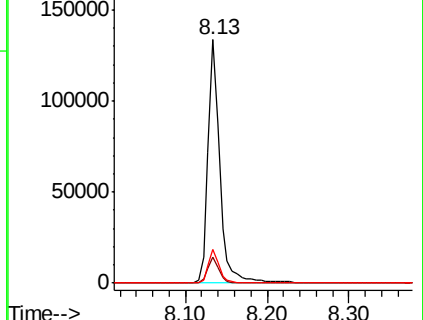
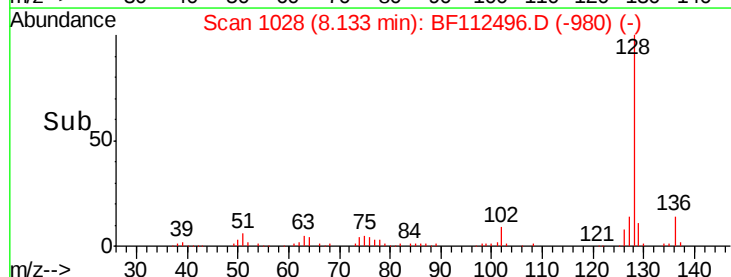
127 13.7 11.1 16.7

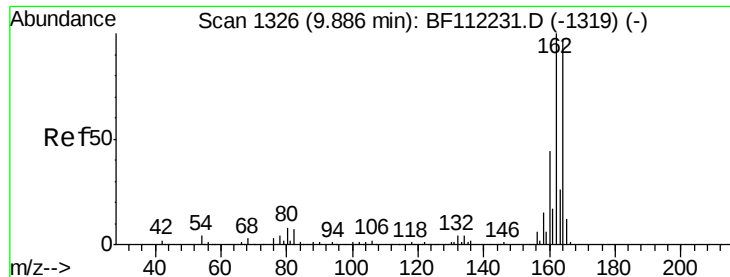


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

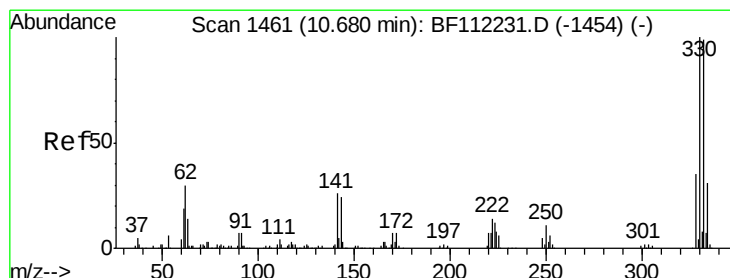
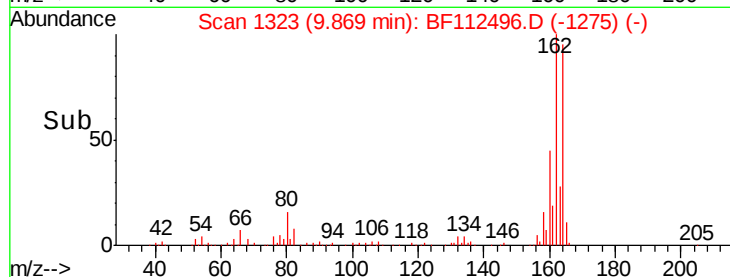
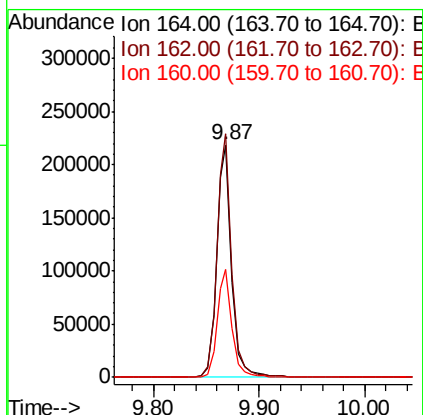
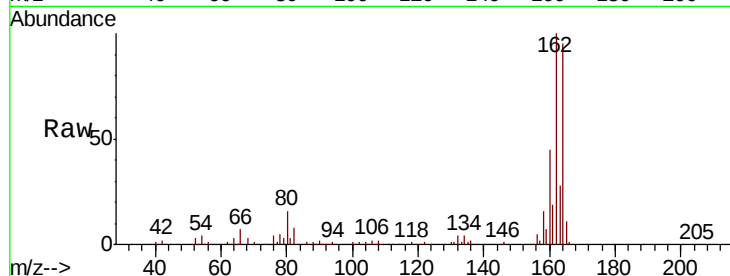




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112496.D
 Acq: 11 Feb 2019 22:14

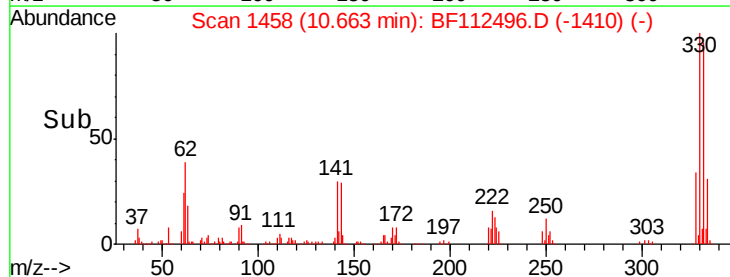
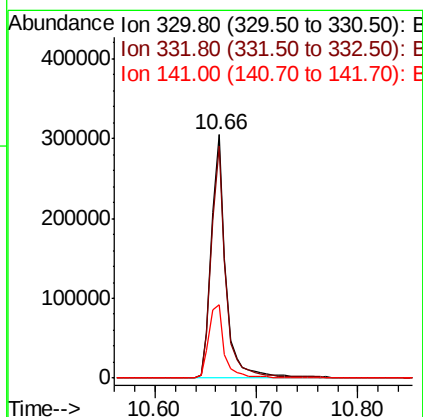
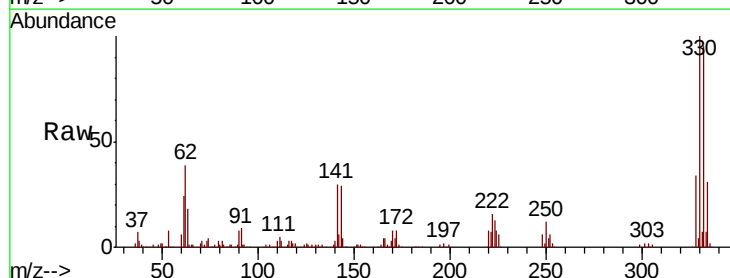
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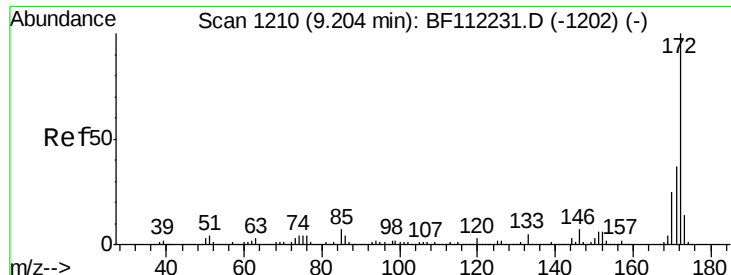
Tgt Ion:164 Resp: 217242
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.2 123.4
 160 46.7 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 119.943 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112496.D
 Acq: 11 Feb 2019 22:14

Tgt Ion:330 Resp: 303292
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 114.8
 141 33.3 24.3 36.5

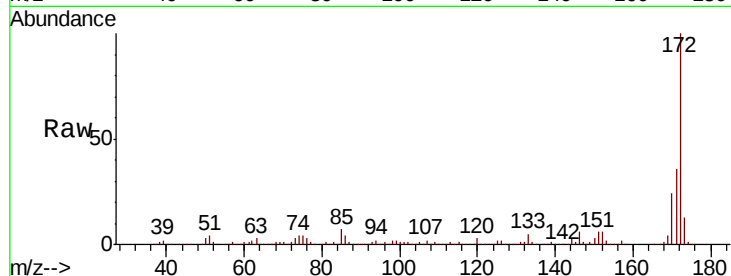




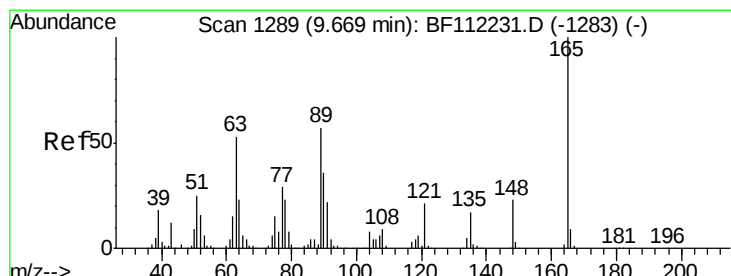
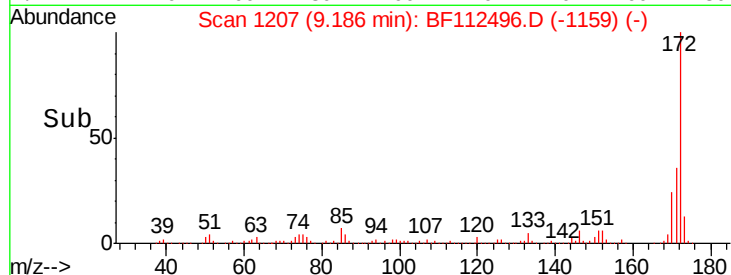
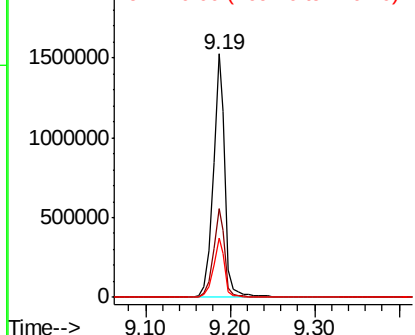
#45
 2-Fluorobiphenyl
 Concen: 98.295 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112496.D
 Acq: 11 Feb 2019 22:14

Instrument :
 BNA_F
 ClientSampleId :
 HOSPITAL-BOX-CULVERT-TP

Tgt Ion:172 Resp: 1509811
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.5 45.7
 170 24.4 20.2 30.4

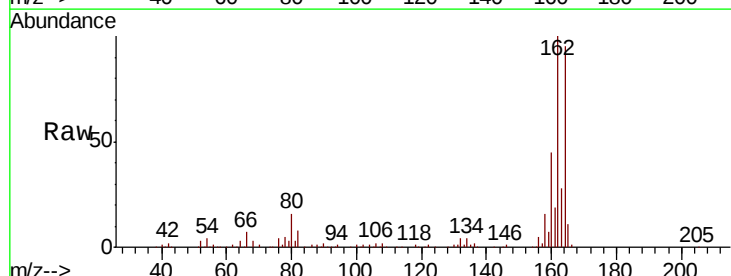


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

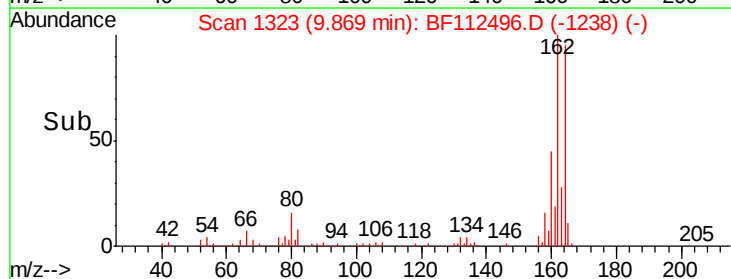
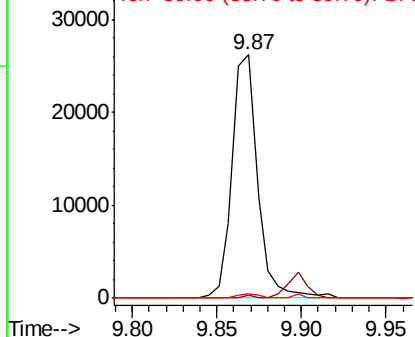


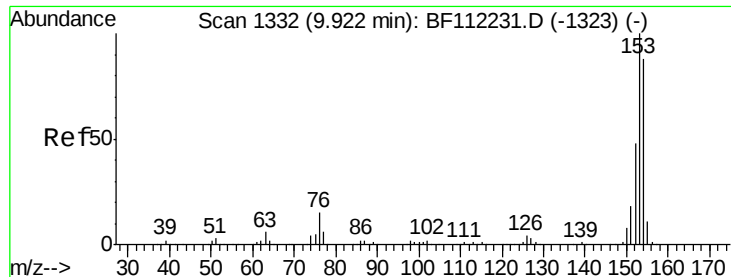
#51
 2,6-Dinitrotoluene
 Concen: 7.337 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112496.D
 Acq: 11 Feb 2019 22:14

Tgt Ion:165 Resp: 27735
 Ion Ratio Lower Upper
 165 100
 63 1.4 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





#52

Acenaphthene

Concen: 2.466 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF112496.D

Acq: 11 Feb 2019 22:14

Instrument :

BNA_F

ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

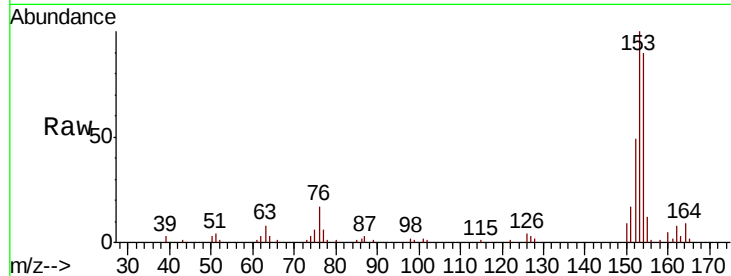
Tgt Ion:154 Resp: 31796

Ion Ratio Lower Upper

154 100

153 110.7 89.8 134.6

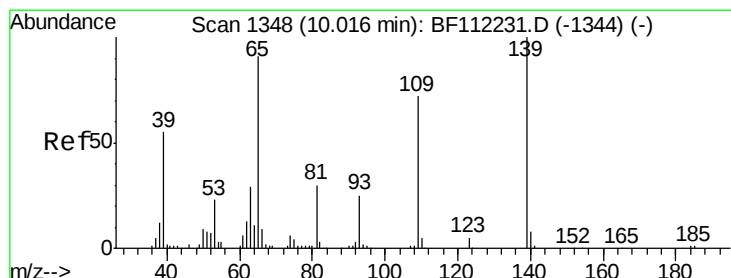
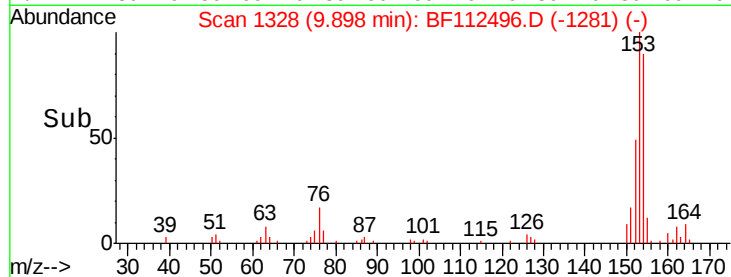
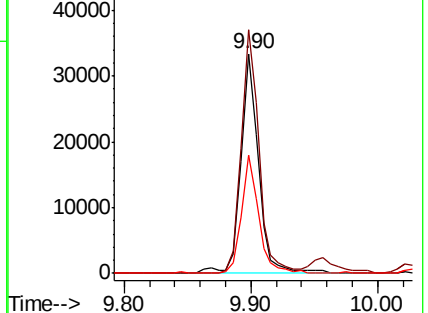
152 53.8 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

4-Nitrophenol

Concen: 3.460 ng

RT: 10.07 min Scan# 1358

Delta R.T. 0.06 min

Lab File: BF112496.D

Acq: 11 Feb 2019 22:14

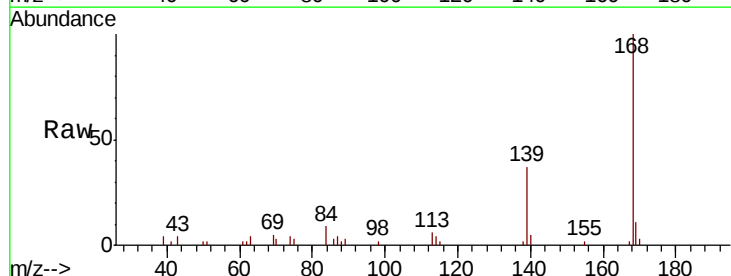
Tgt Ion:139 Resp: 7491

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

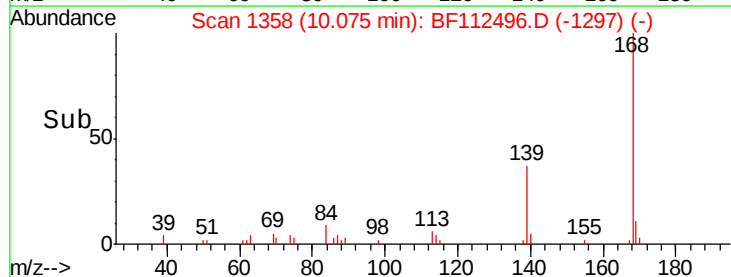
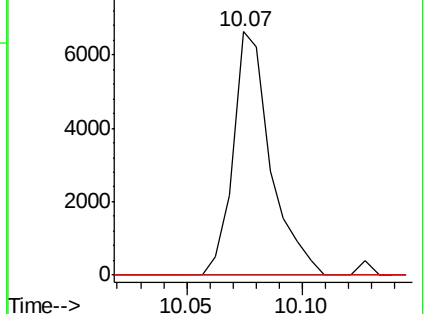
65 0.0 66.1 106.1#

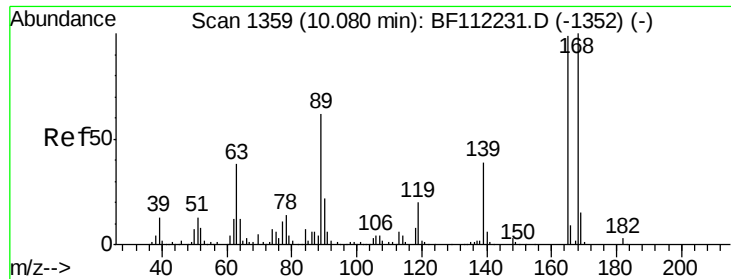


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

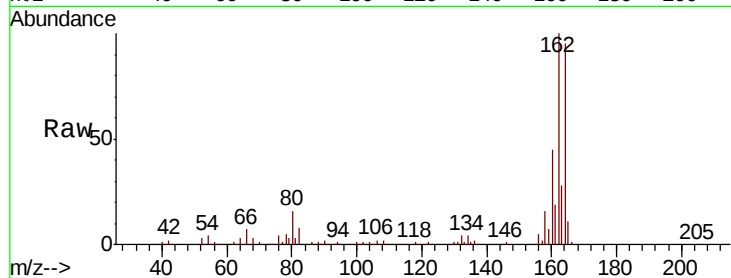




#57
 2,4-Dinitrotoluene
 Concen: 5.763 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112496.D
 Acq: 11 Feb 2019 22:14

Instrument :
 BNA_F
 ClientSampleId :
 HOSPITAL-BOX-CULVERT-TP

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	27735		
63	1.4	27.9	41.9#	
89	1.5	47.9	71.9#	
182	0.0	2.2	3.4#	



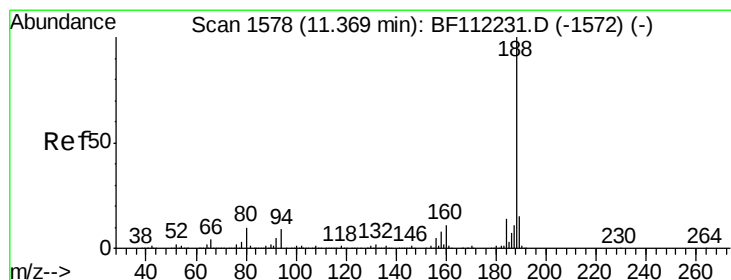
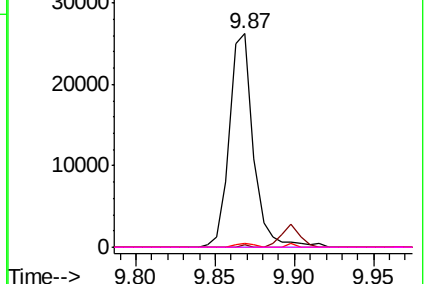
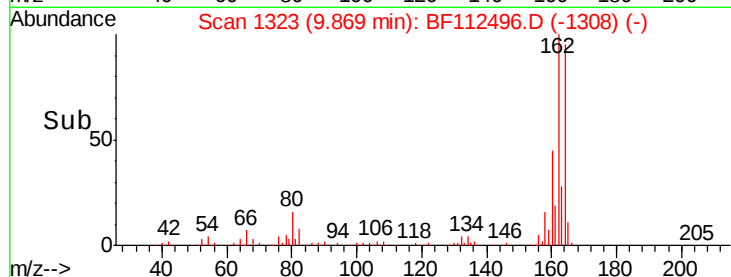
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

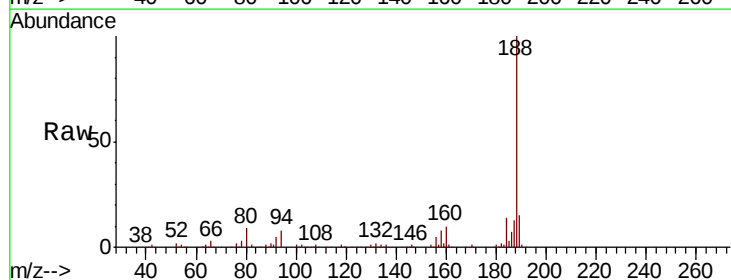
Ion 89.00 (88.70 to 89.70): BF1

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: BF112496.D
 Acq: 11 Feb 2019 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	348148		
94	8.1	8.2	12.2#	
80	8.6	8.9	13.3#	

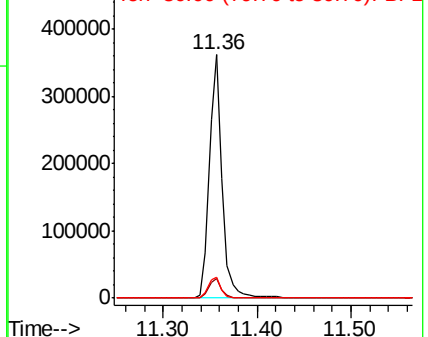
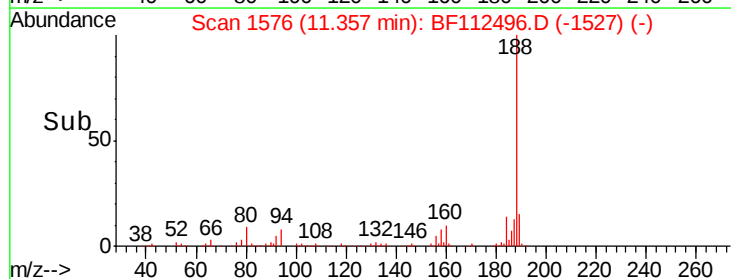


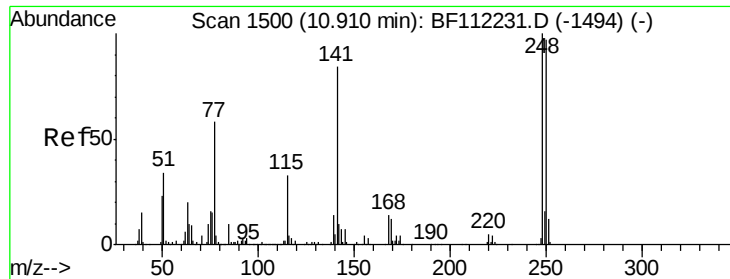
Abundance

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

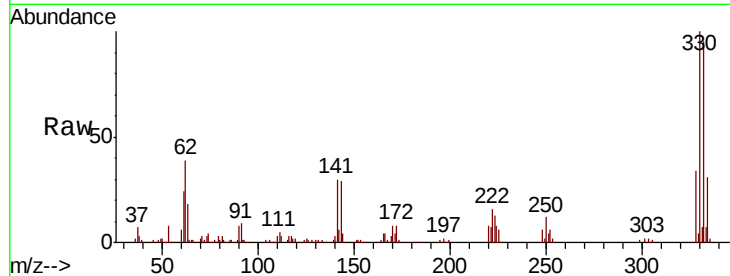




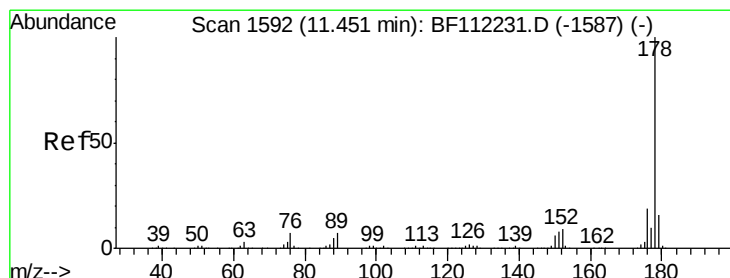
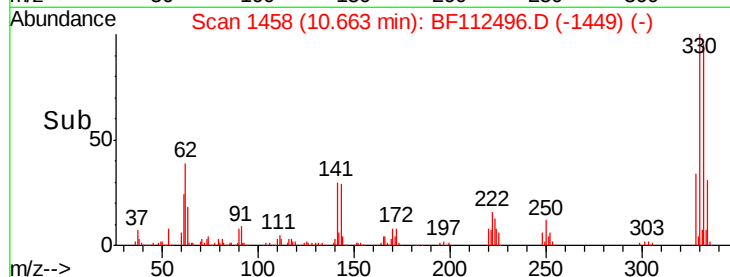
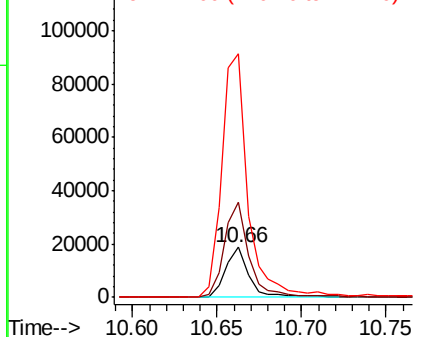
#67
 4-Bromophenyl-phenylether
 Concen: 4.432 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112496.D
 Acq: 11 Feb 2019 22:14

Instrument :
 BNA_F
 ClientSampleId :
 HOSPITAL-BOX-CULVERT-TP

Tgt Ion:248 Resp: 18146
 Ion Ratio Lower Upper
 248 100
 250 191.2 79.7 119.5#
 141 488.8 60.3 90.5#

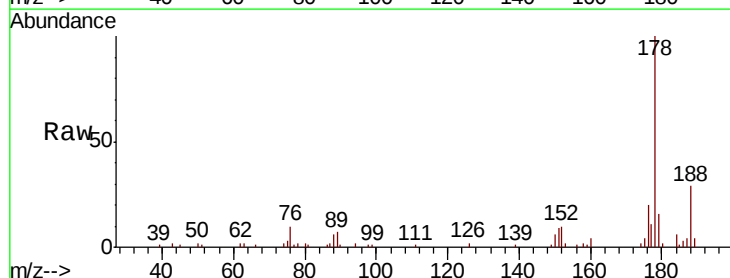


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

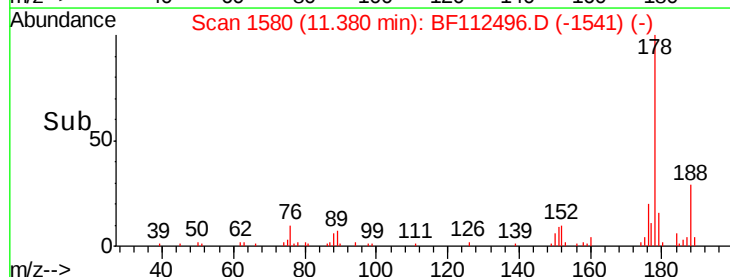
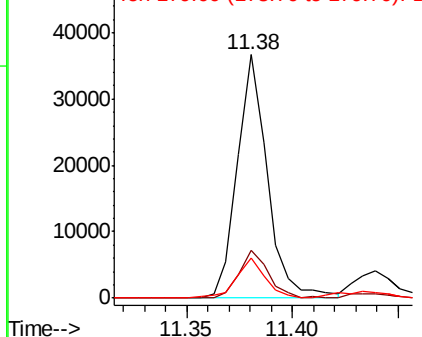


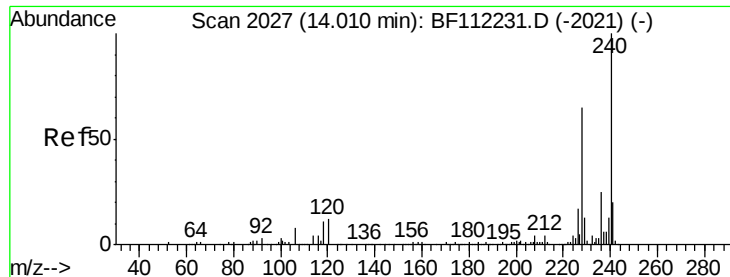
#72
 Anthracene
 Concen: 2.008 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.07 min
 Lab File: BF112496.D
 Acq: 11 Feb 2019 22:14

Tgt Ion:178 Resp: 36195
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.5 23.3
 179 16.3 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

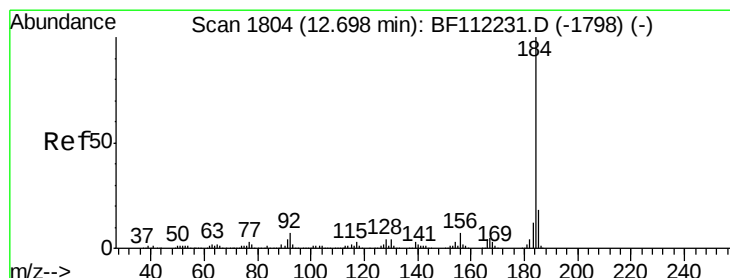
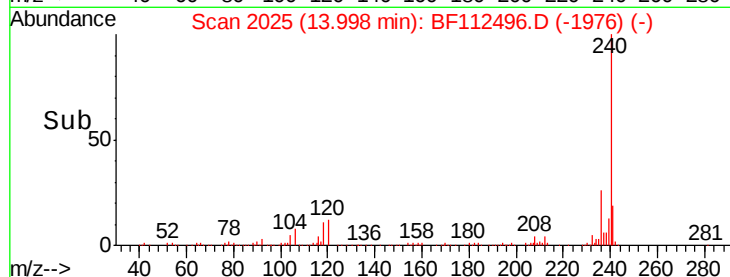
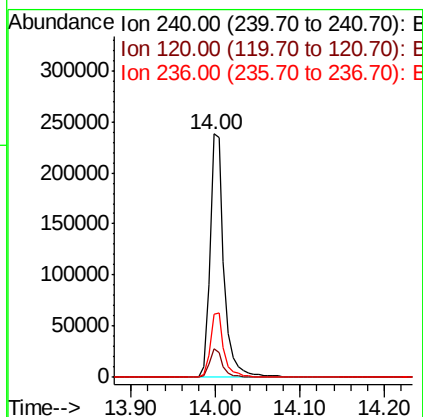
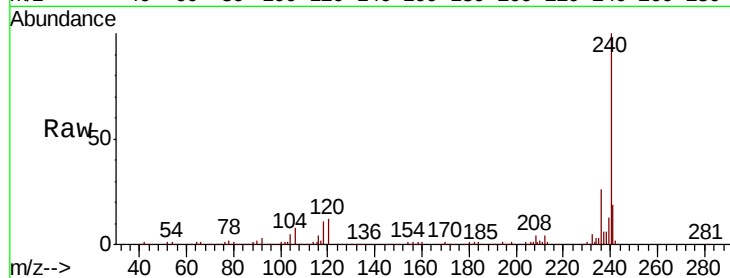




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112496.D
Acq: 11 Feb 2019 22:14

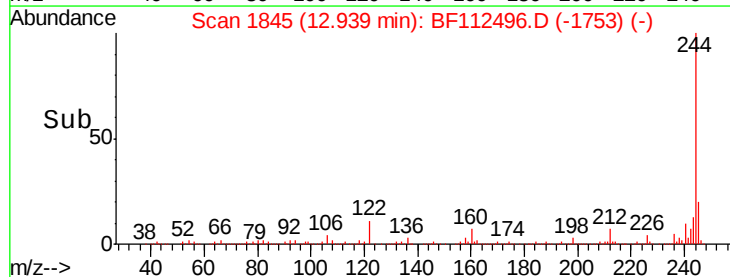
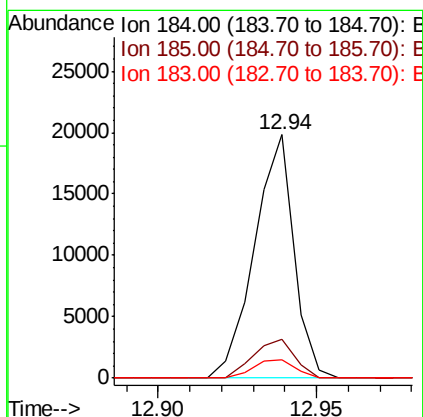
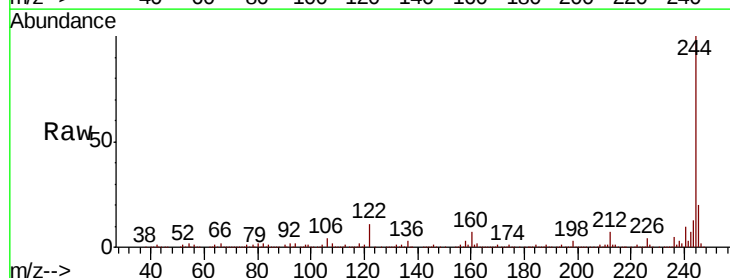
Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

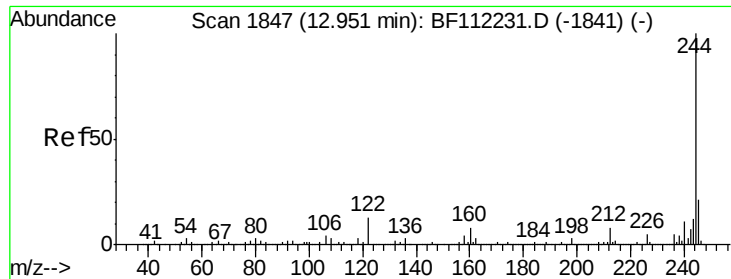
Tgt Ion:240 Resp: 277927
Ion Ratio Lower Upper
240 100
120 11.8 9.0 13.6
236 25.8 20.7 31.1



#77
Benzidine
Concen: 2.236 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112496.D
Acq: 11 Feb 2019 22:14

Tgt Ion:184 Resp: 17108
Ion Ratio Lower Upper
184 100
185 15.7 13.9 20.9
183 7.6 10.0 15.0#





#79

Terphenyl-d14

Concen: 82.959 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112496.D

Acq: 11 Feb 2019 22:14

Instrument :

BNA_F

ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

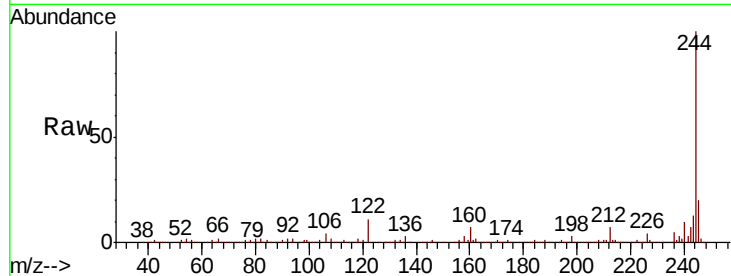
Tgt Ion:244 Resp: 1224171

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

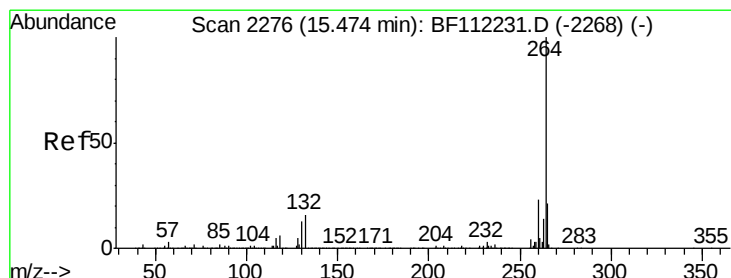
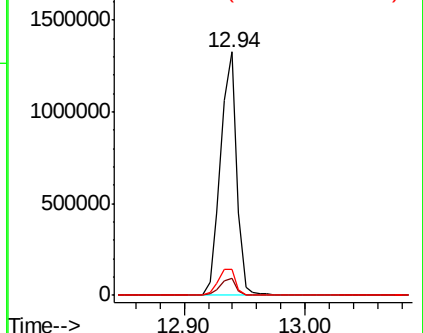
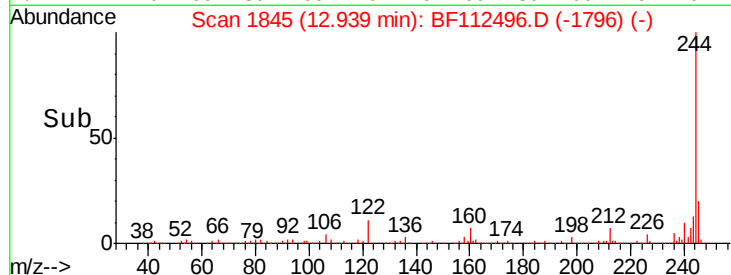
122 10.9 9.8 14.6



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: BF112496.D

Acq: 11 Feb 2019 22:14

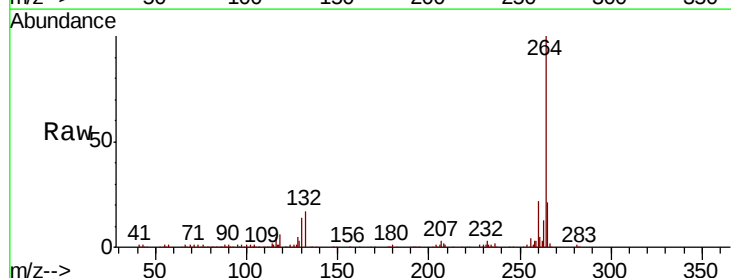
Tgt Ion:264 Resp: 272356

Ion Ratio Lower Upper

264 100

260 22.1 18.2 27.2

265 21.1 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

