

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091820\
 Data File : BG046679.D
 Acq On : 18 Sep 2020 21:27
 Operator : CG/JU
 Sample : L4038-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAV-091620-DP

Quant Time: Sep 19 00:34:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 17 14:27:03 2020
 Response via : Initial Calibration

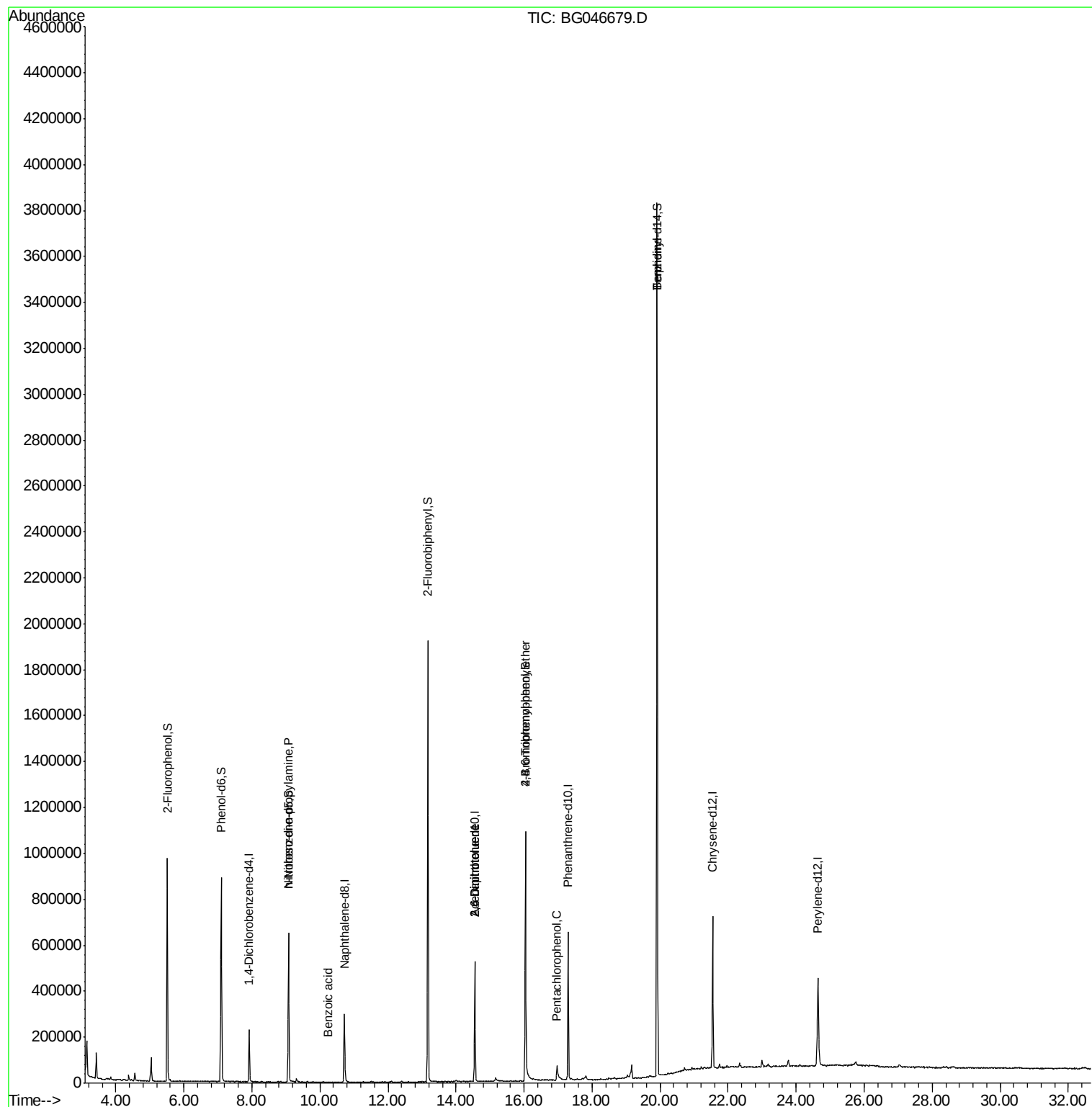
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	71864	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	286048	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	197538	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	436414	20.00	ng	0.00
76) Chrysene-d12	21.54	240	431633	20.00	ng	0.00
86) Perylene-d12	24.64	264	414774	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	448901	110.64	ng	0.00
7) Phenol-d6	7.10	99	567937	98.74	ng	0.00
23) Nitrobenzene-d5	9.08	82	422125	84.34	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	251663	94.03	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1076403	83.18	ng	0.00
79) Terphenyl-d14	19.91	244	1679934	82.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	54912	15.960	ng	# 74
32) Benzoic acid	10.23	122	56	4.494	ng	# 59
51) 2,6-Dinitrotoluene	14.55	165	25661	7.617	ng	# 34
57) 2,4-Dinitrotoluene	14.55	165	25661	5.342	ng	# 32
67) 4-Bromophenyl-phenylether	16.04	248	19084	3.748	ng	# 1
70) Pentachlorophenol	16.97	266	27477	9.326	ng	95
77) Benzidine	19.91	184	26704	2.662	ng	# 90

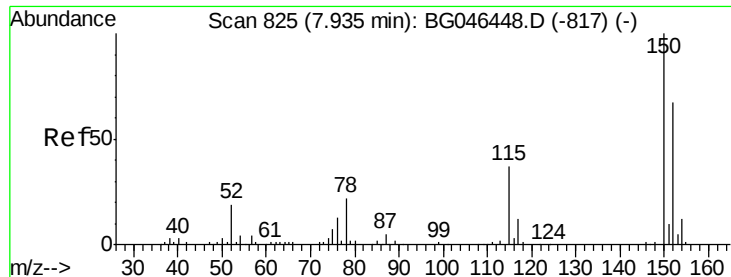
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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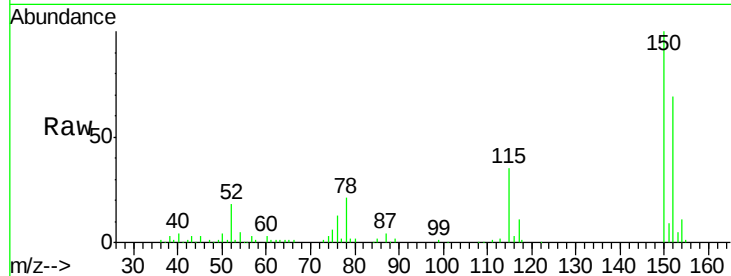




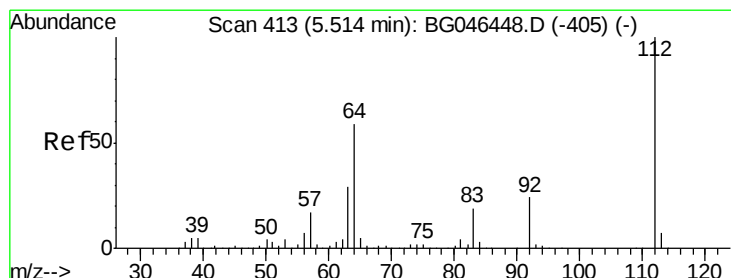
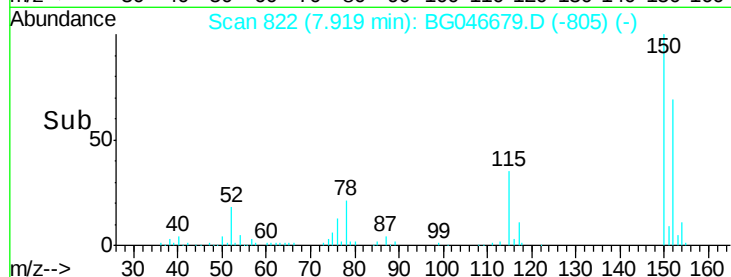
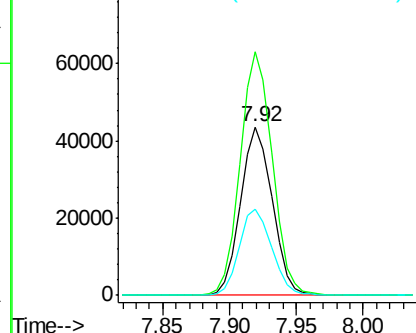
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BG046679.D
 Acq: 18 Sep 2020 21:27

Instrument :
 BNA_G
 ClientSampleId :
 PAV-091620-DP

Tot Ion:152 Resp: 71864
 Ion Ratio Lower Upper
 152 100
 150 144.4 125.0 187.6
 115 51.3 41.8 62.6

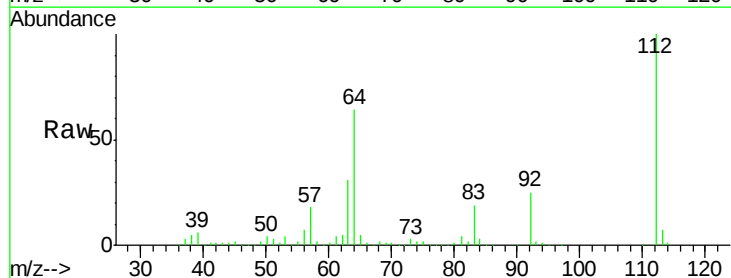


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

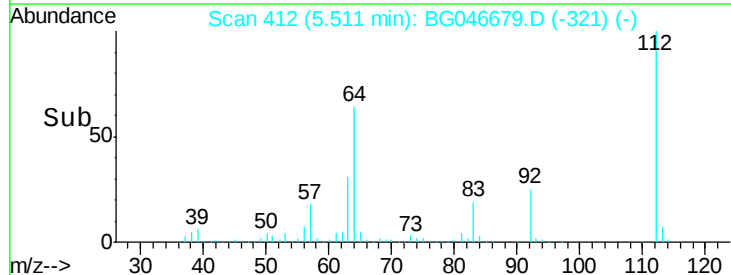
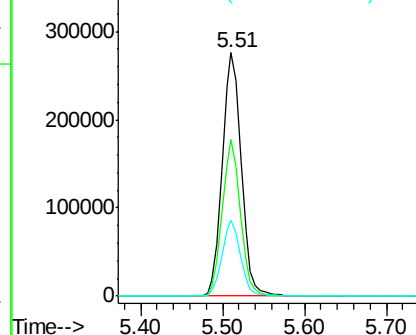


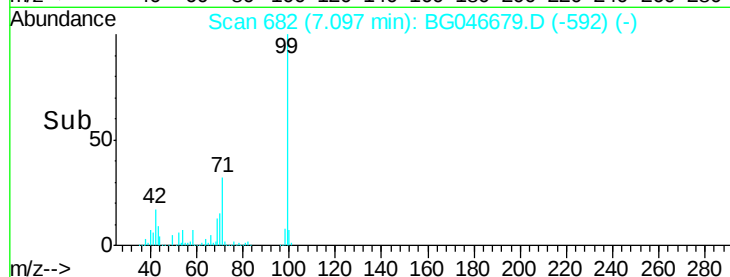
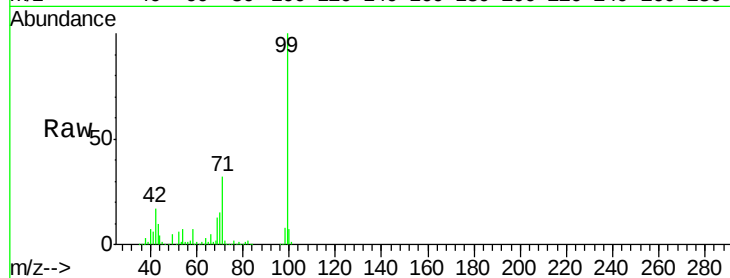
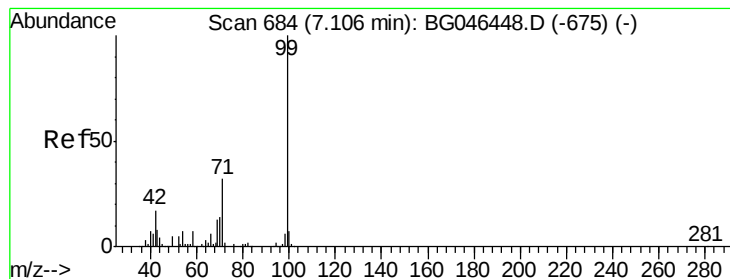
#5
 2-Fluorophenol
 Concen: 110.638 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: BG046679.D
 Acq: 18 Sep 2020 21:27

Tgt Ion:112 Resp: 448901
 Ion Ratio Lower Upper
 112 100
 64 64.1 46.7 70.1
 63 31.0 22.8 34.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 98.741 ng

RT: 7.10 min Scan# 682

Delta R.T. 0.00 min

Lab File: BG046679.D

Acq: 18 Sep 2020 21:27

Instrument :

BNA_G

ClientSampleId :

PAV-091620-DP

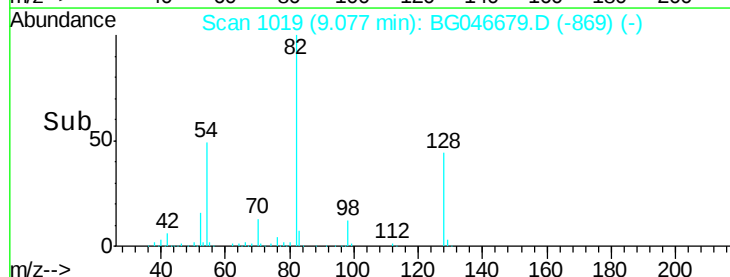
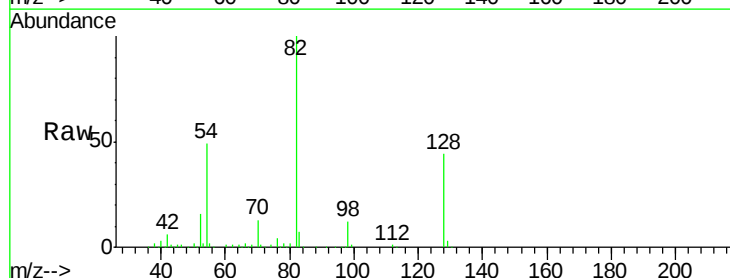
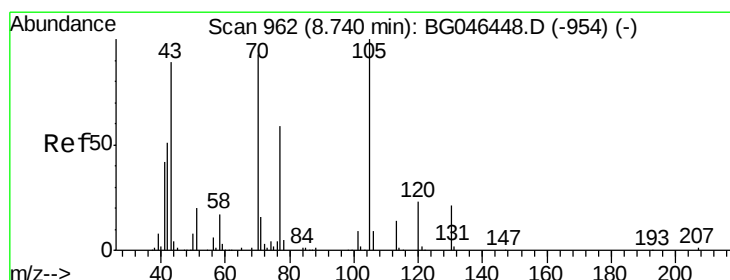
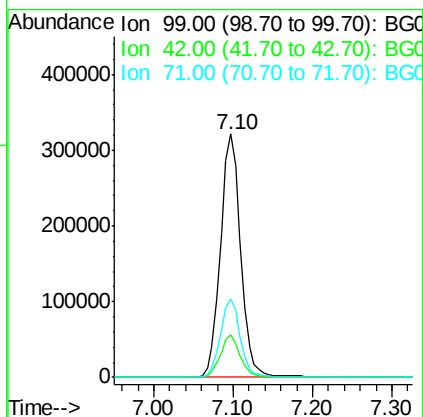
Tot Ion: 99 Resp: 567937

Ion Ratio Lower Upper

99 100

42 17.3 12.8 19.2

71 32.1 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.960 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046679.D

Acq: 18 Sep 2020 21:27

Tgt Ion: 70 Resp: 54912

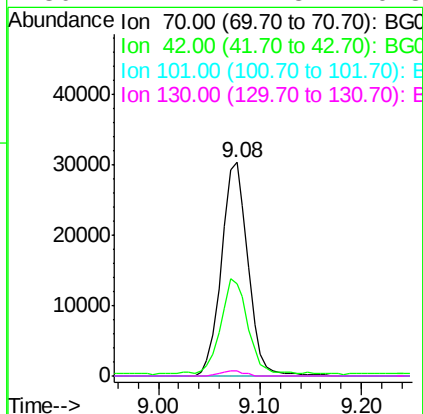
Ion Ratio Lower Upper

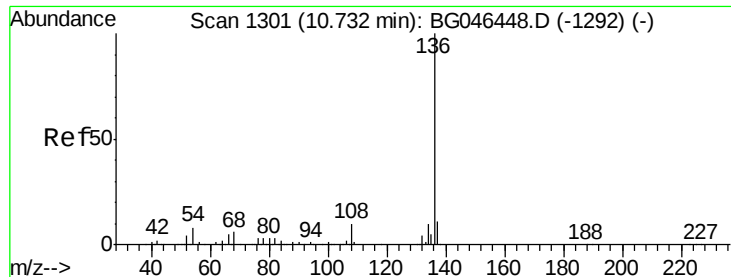
70 100

42 42.9 45.6 68.4#

101 0.0 8.4 12.6#

130 2.2 17.8 26.8#

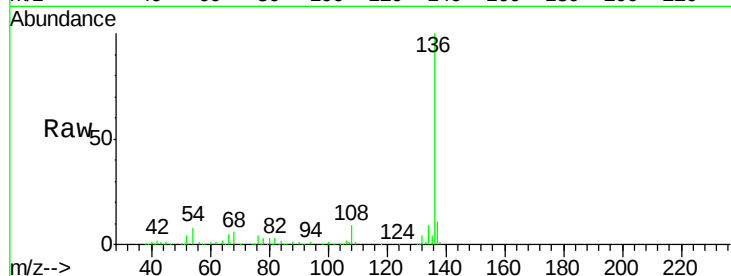




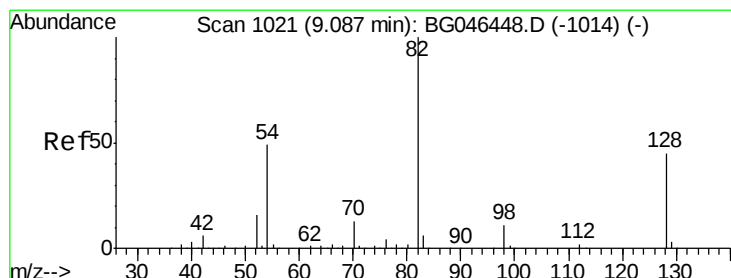
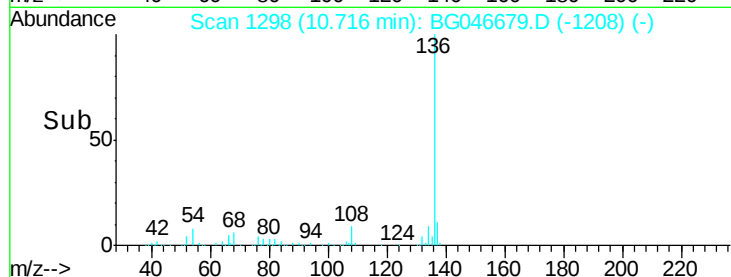
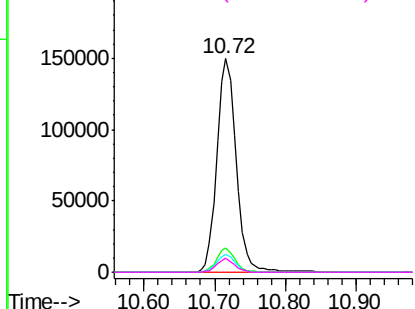
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG046679.D
Acq: 18 Sep 2020 21:27

Instrument :
BNA_G
ClientSampleId :
PAV-091620-DP

Tot Ion:136	Resp:	286048
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.1 13.7
54	8.3	6.2 9.4
68	6.5	5.0 7.4

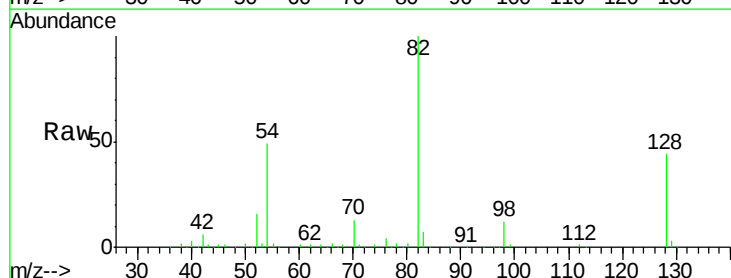


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

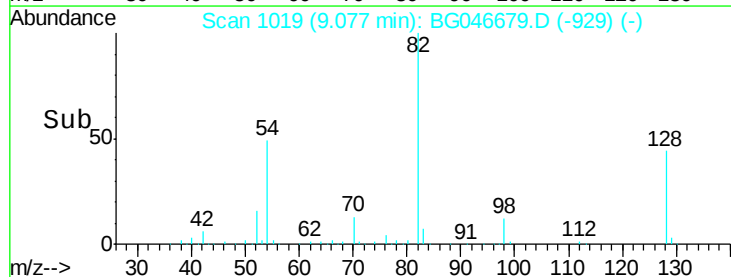
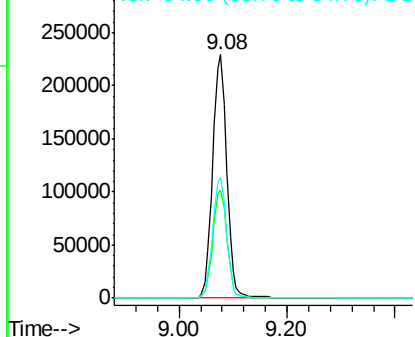


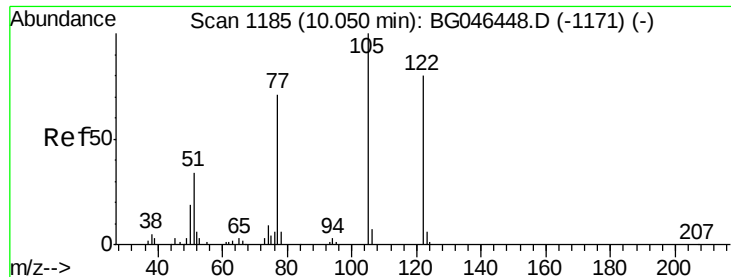
#23
Nitrobenzene-d5
Concen: 84.345 ng
RT: 9.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BG046679.D
Acq: 18 Sep 2020 21:27

Tgt Ion: 82	Resp:	422125
Ion	Ratio	Lower Upper
82	100	
128	44.1	37.0 55.6
54	49.4	39.0 58.4



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





#32

Benzoic acid

Concen: 4.494 ng

RT: 10.23 min Scan# 1215

Delta R.T. 0.18 min

Lab File: BG046679.D

Acq: 18 Sep 2020 21:27

Instrument :

BNA_G

ClientSampleId :

PAV-091620-DP

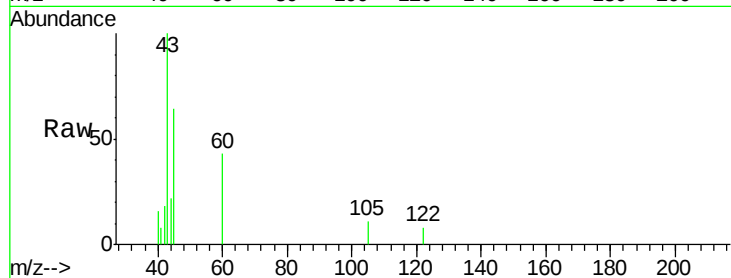
Tot Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 131.6 103.7 143.7

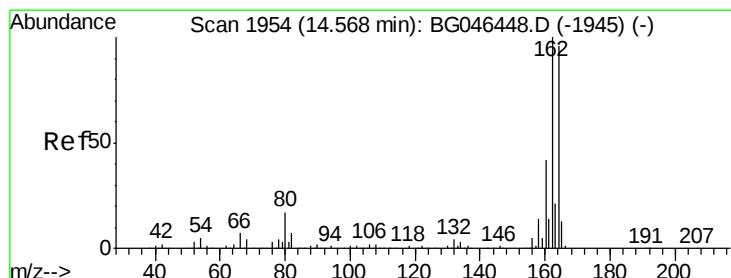
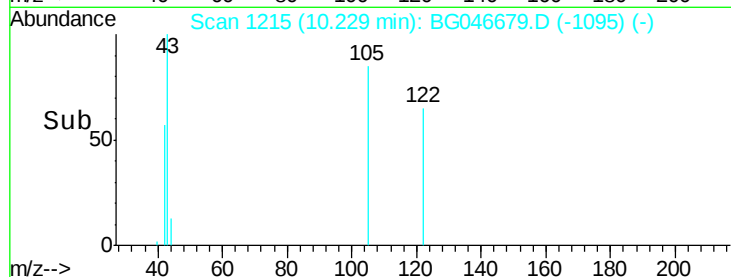
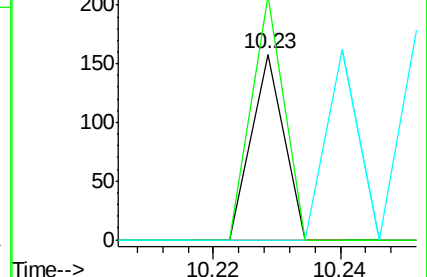
77 0.0 63.0 103.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG046679.D

Acq: 18 Sep 2020 21:27

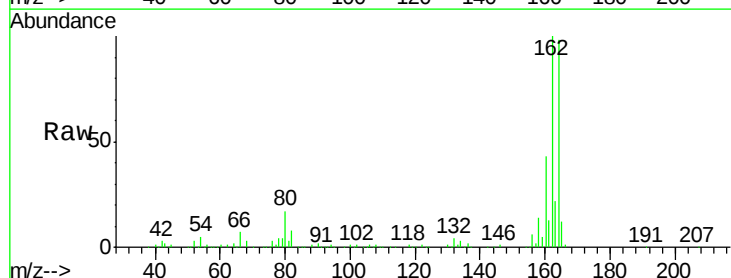
Tgt Ion:164 Resp: 197538

Ion Ratio Lower Upper

164 100

162 102.5 82.3 123.5

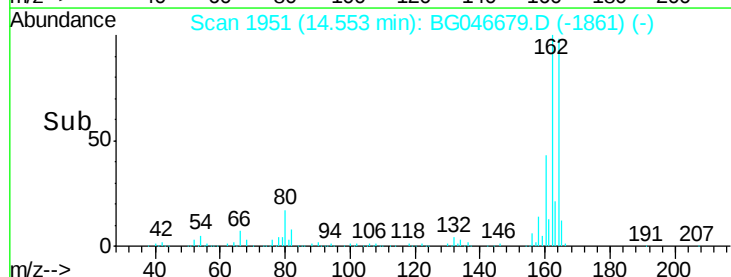
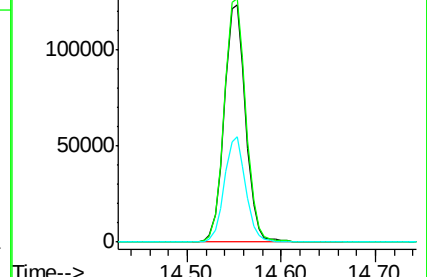
160 44.4 35.3 52.9

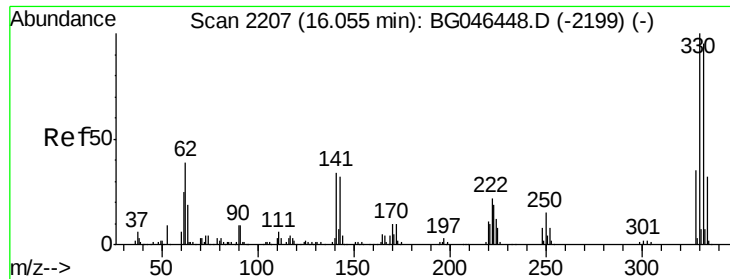


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

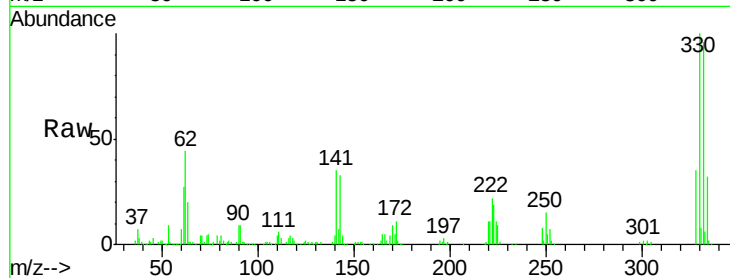




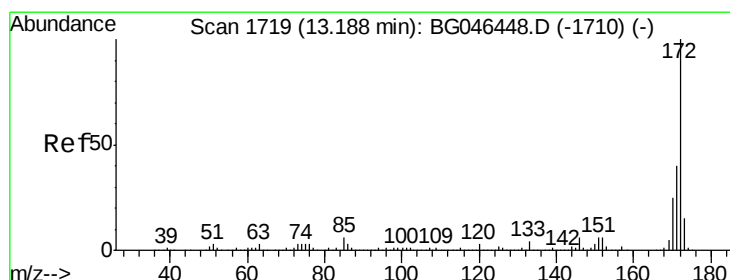
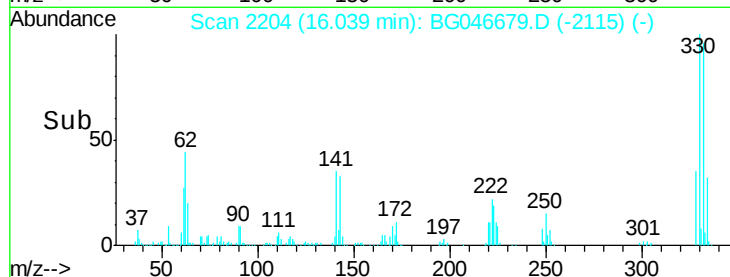
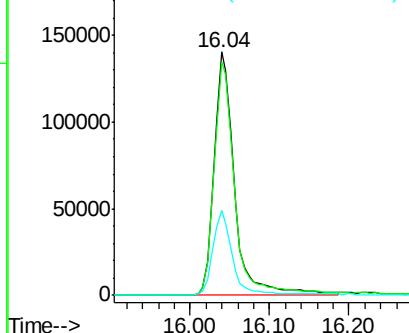
#42
 2,4,6-Tribromophenol
 Concen: 94.027 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: BG046679.D
 Acq: 18 Sep 2020 21:27

Instrument :
 BNA_G
 ClientSampleId :
 PAV-091620-DP

Tot Ion:330 Resp: 251663
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.5 114.7
 141 33.9 26.0 39.0

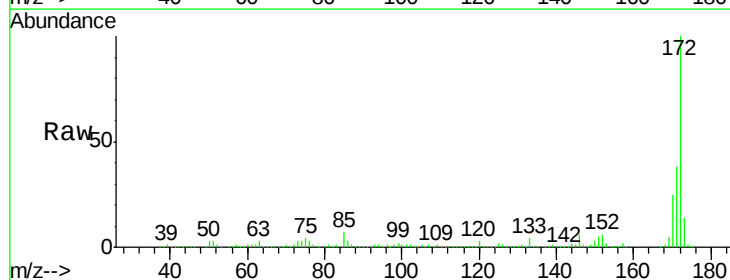


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

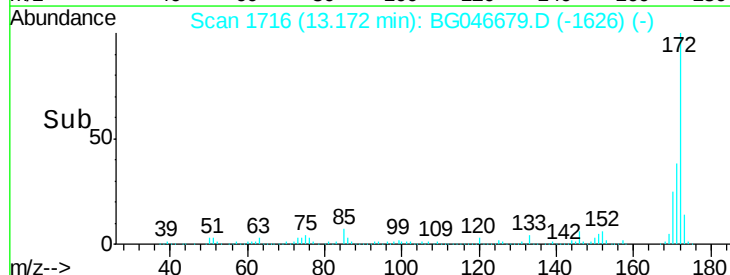
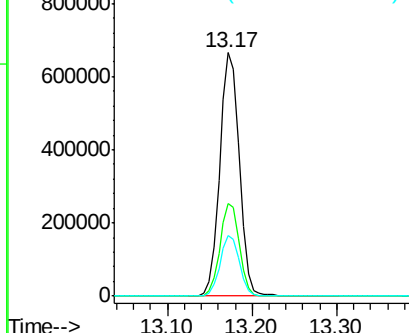


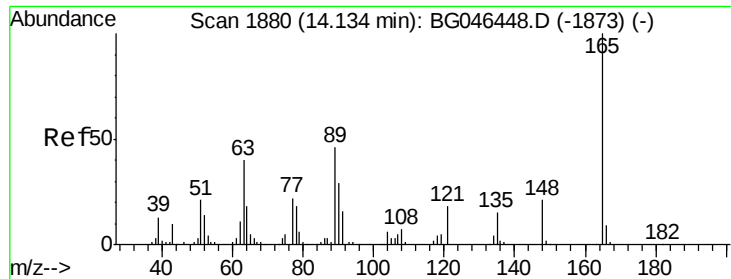
#45
 2-Fluorobiphenyl
 Concen: 83.184 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. 0.00 min
 Lab File: BG046679.D
 Acq: 18 Sep 2020 21:27

Tgt Ion:172 Resp: 1076403
 Ion Ratio Lower Upper
 172 100
 171 38.1 31.3 46.9
 170 25.0 20.8 31.2



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

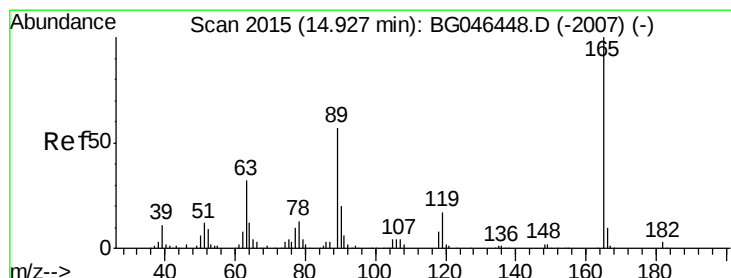
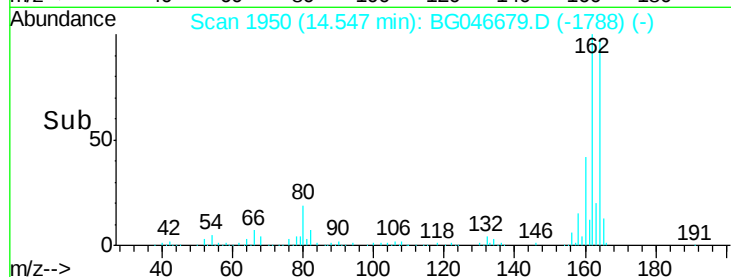
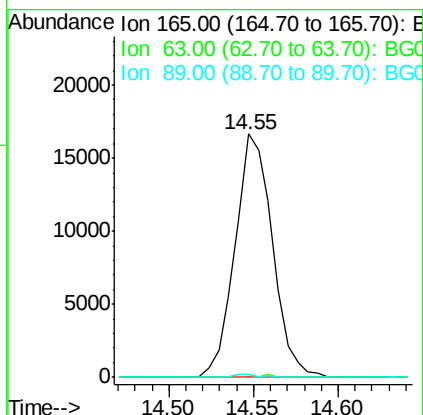
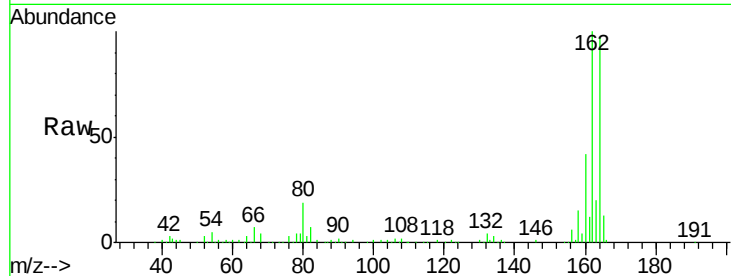




#51
 2,6-Dinitrotoluene
 Concen: 7.617 ng
 RT: 14.55 min Scan# 1950
 Delta R.T. 0.42 min
 Lab File: BG046679.D
 Acq: 18 Sep 2020 21:27

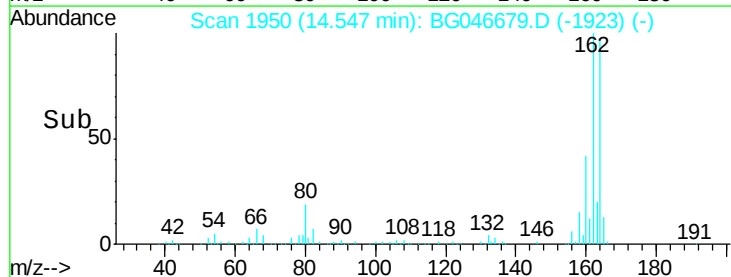
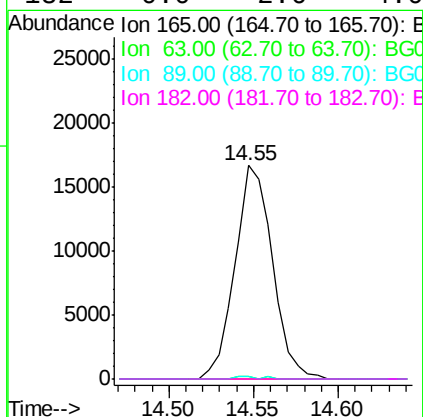
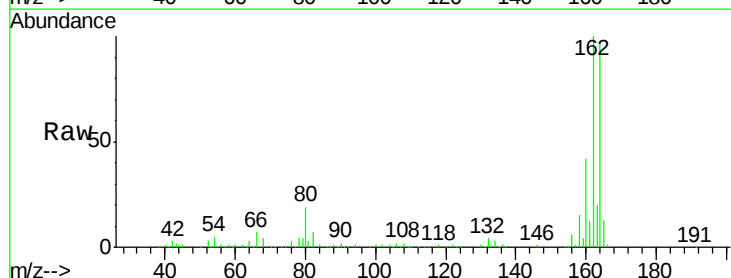
Instrument :
 BNA_G
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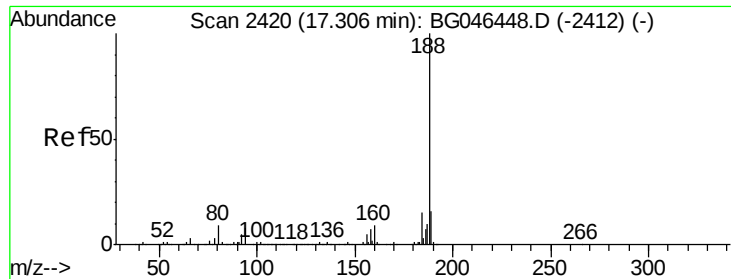
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.7	50.5#
89	1.3	36.6	54.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.342 ng
 RT: 14.55 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG046679.D
 Acq: 18 Sep 2020 21:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	26.4	39.6#
89	1.3	47.8	71.8#
182	0.0	2.6	4.0#

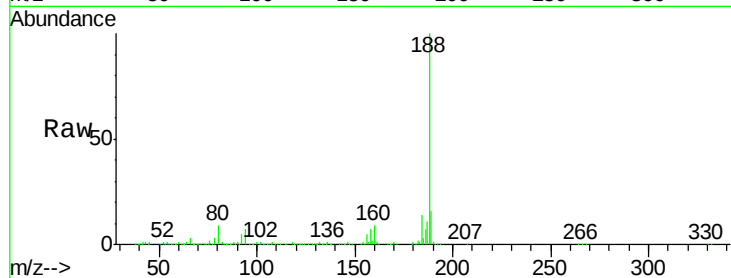




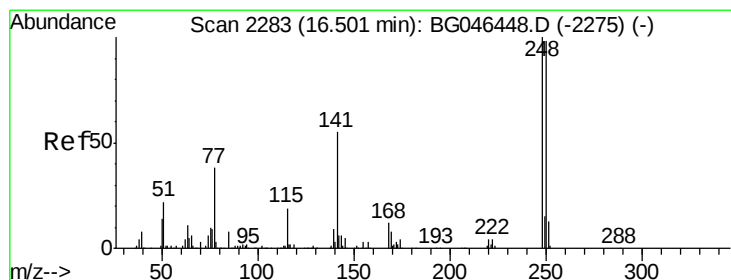
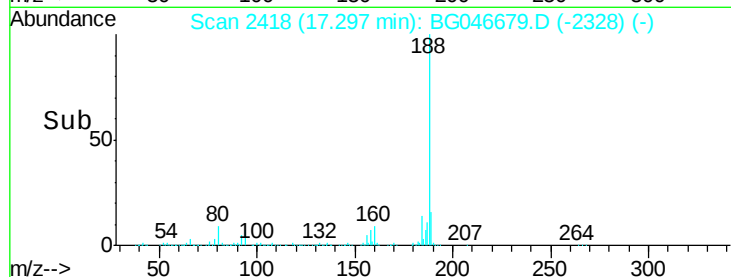
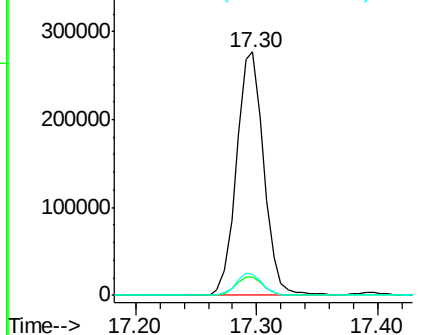
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.30 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BG046679.D
Acq: 18 Sep 2020 21:27

Instrument :
BNA_G
ClientSampleId :
PAV-091620-DP

Tot Ion:188 Resp: 436414
Ion Ratio Lower Upper
188 100
94 7.3 6.3 9.5
80 8.8 7.0 10.6

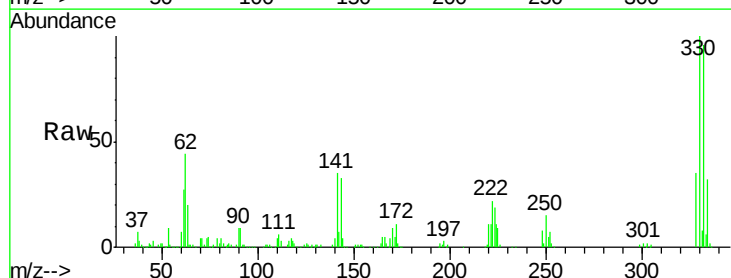


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

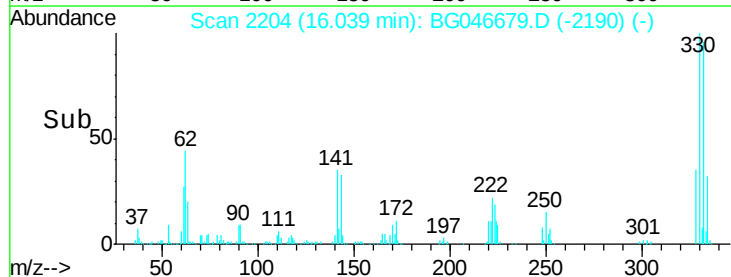
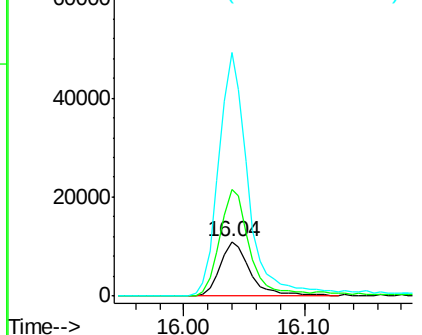


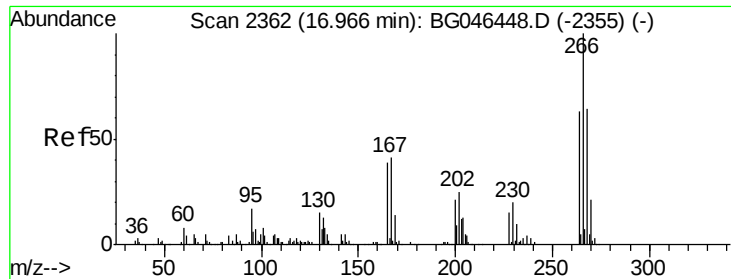
#67
4-Bromophenyl-phenylether
Concen: 3.748 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.45 min
Lab File: BG046679.D
Acq: 18 Sep 2020 21:27

Tgt Ion:248 Resp: 19084
Ion Ratio Lower Upper
248 100
250 195.4 78.9 118.3#
141 445.5 46.2 69.4#



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

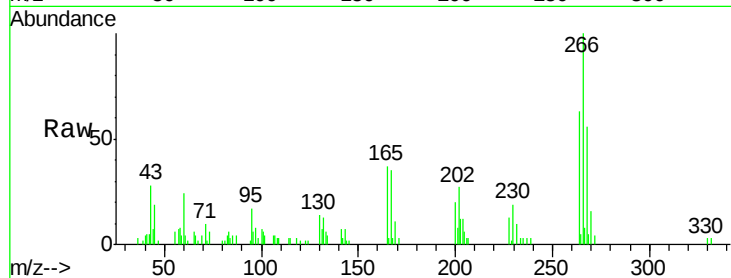




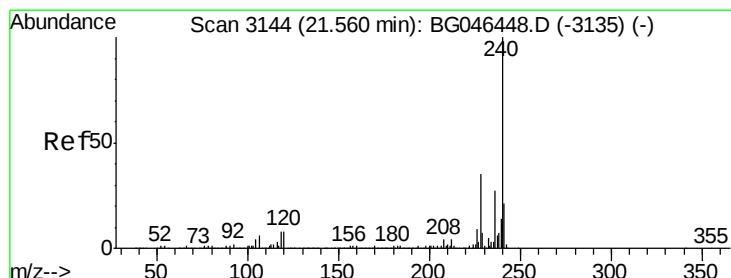
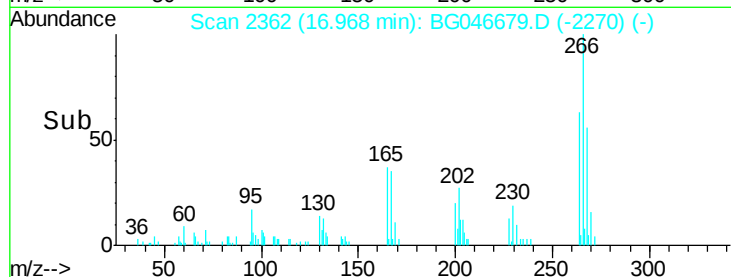
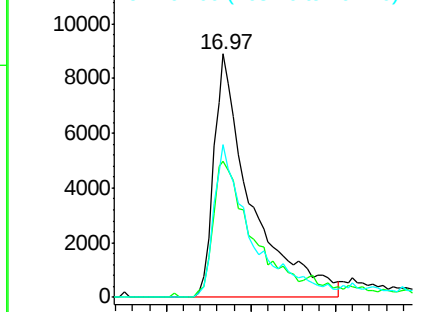
#70
 Pentachlorophenol
 Concen: 9.326 ng
 RT: 16.97 min Scan# 2362
 Delta R.T. 0.01 min
 Lab File: BG046679.D
 Acq: 18 Sep 2020 21:27

Instrument :
 BNA_G
 ClientSampleId :
 PAV-091620-DP

Tot Ion:266 Resp: 27477
 Ion Ratio Lower Upper
 266 100
 268 55.7 49.8 74.6
 264 62.7 49.3 73.9

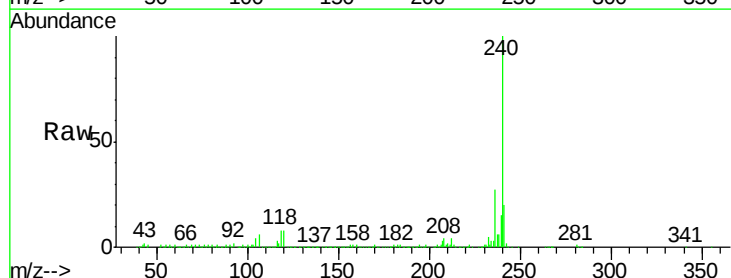


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

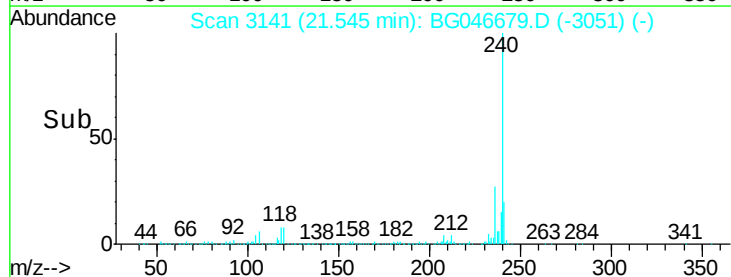
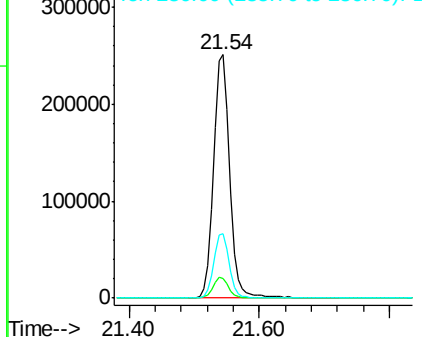


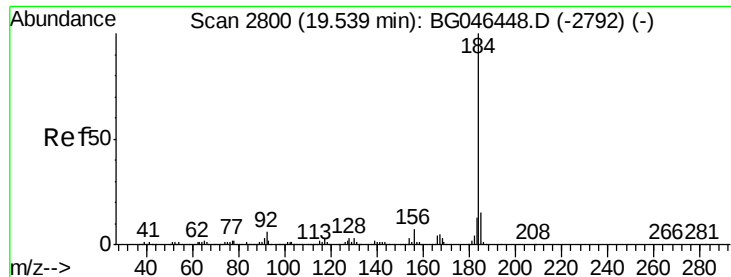
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. 0.00 min
 Lab File: BG046679.D
 Acq: 18 Sep 2020 21:27

Tgt Ion:240 Resp: 431633
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.2 9.4
 236 26.5 20.5 30.7



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: 2.662 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG046679.D

Acq: 18 Sep 2020 21:27

Instrument :

BNA_G

ClientSampleId :

PAV-091620-DP

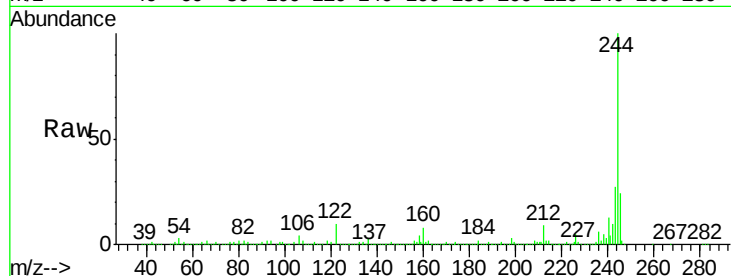
Tot Ion:184 Resp: 26704

Ion Ratio Lower Upper

184 100

185 22.9 12.4 18.6#

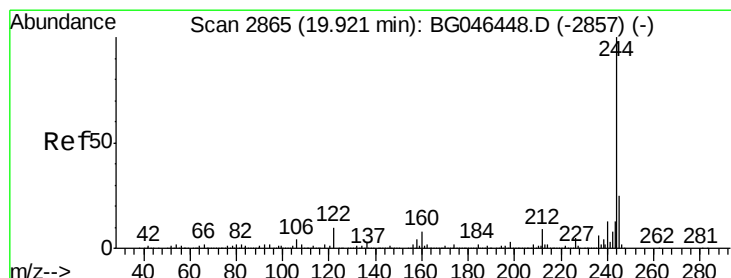
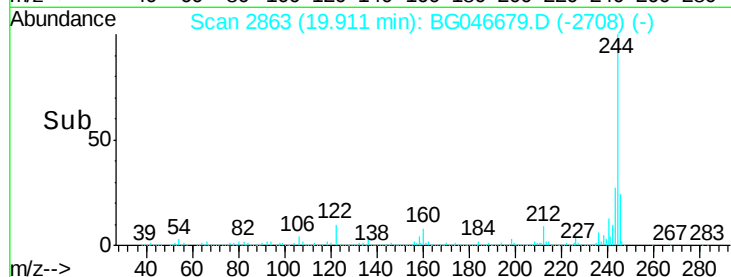
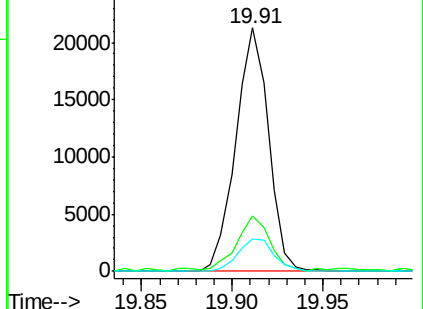
183 13.2 10.6 15.8



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: 82.830 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG046679.D

Acq: 18 Sep 2020 21:27

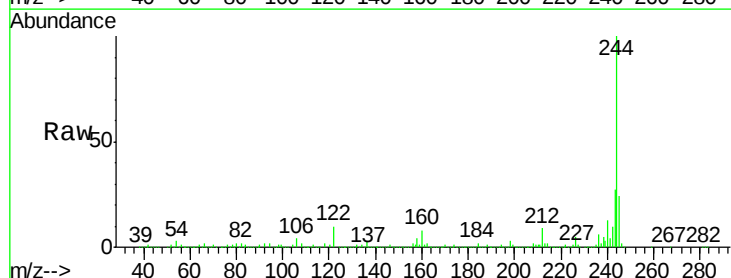
Tgt Ion:244 Resp: 1679934

Ion Ratio Lower Upper

244 100

212 8.7 6.7 10.1

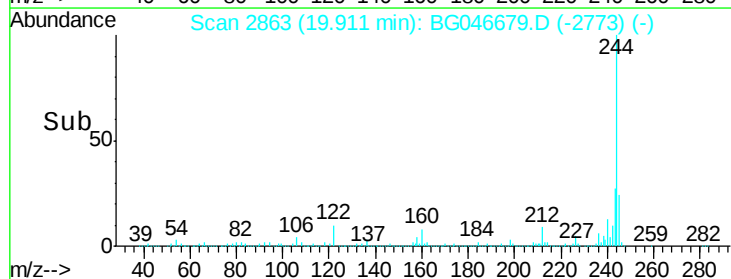
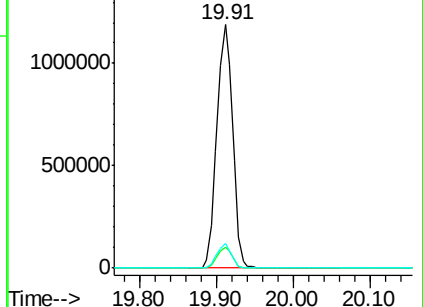
122 9.9 7.8 11.6

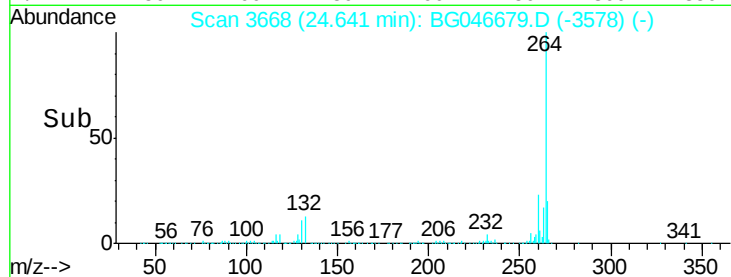
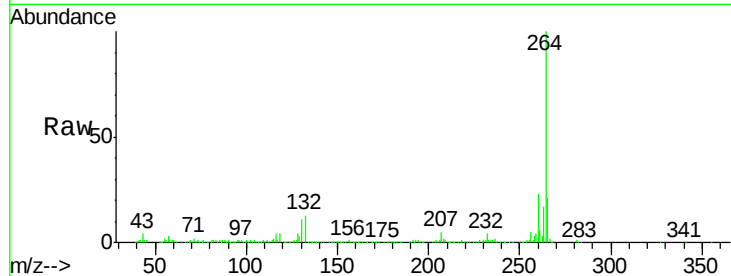
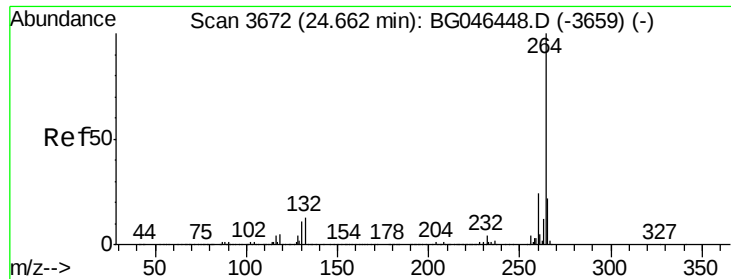


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.64 min Scan# 3668
Delta R.T. 0.00 min
Lab File: BG046679.D
Acq: 18 Sep 2020 21:27

Instrument :
BNA_G
ClientSampleId :
PAV-091620-DP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	20.7	17.8	26.8

