

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091020\
 Data File : BG046592.D
 Acq On : 10 Sep 2020 21:53
 Operator : CG/JU
 Sample : L3939-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAV-B41-090820-0-10

Quant Time: Sep 11 00:40:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

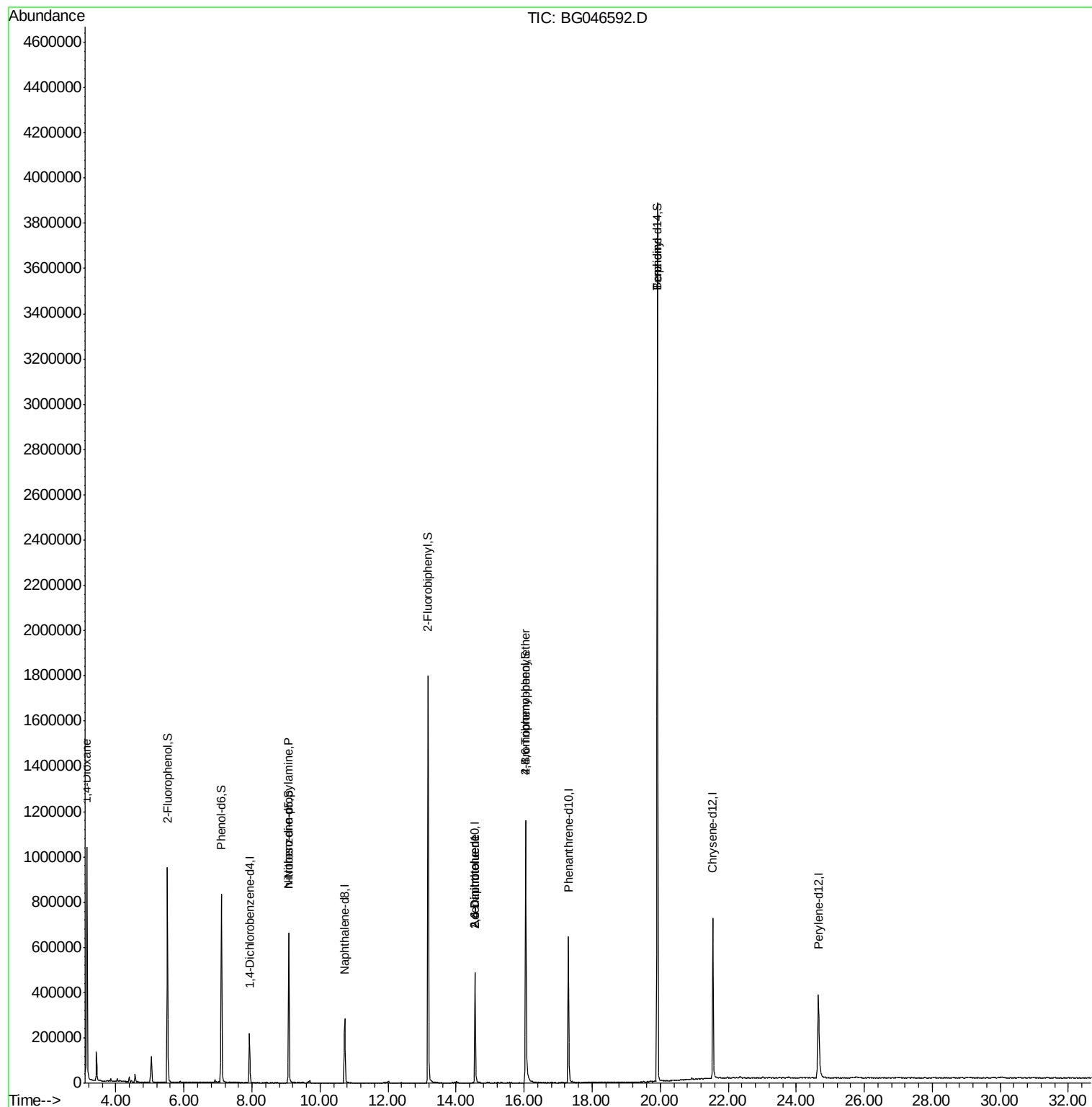
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	71067	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	277367	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	191616	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	464139	20.00	ng	0.00
76) Chrysene-d12	21.55	240	491924	20.00	ng	0.00
86) Perylene-d12	24.65	264	469452	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	447113	111.43	ng	0.00
7) Phenol-d6	7.10	99	541231	95.15	ng	0.00
23) Nitrobenzene-d5	9.08	82	426652	87.92	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	296453	114.18	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1089863	86.83	ng	0.00
79) Terphenyl-d14	19.92	244	1806208	78.14	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	10096	6.048	ng	# 1
19) n-Nitroso-di-n-propylamine	9.08	70	54343	15.972	ng	# 76
51) 2,6-Dinitrotoluene	14.56	165	24980	7.644	ng	# 32
57) 2,4-Dinitrotoluene	14.56	165	25123	5.392	ng	# 32
67) 4-Bromophenyl-phenylether	16.04	248	22407	4.138	ng	# 1
77) Benzidine	19.92	184	27902	2.441	ng	# 96

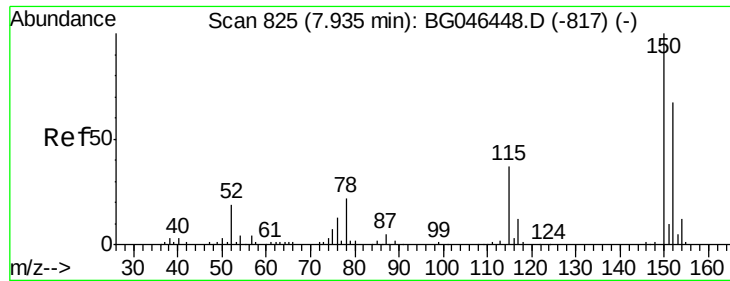
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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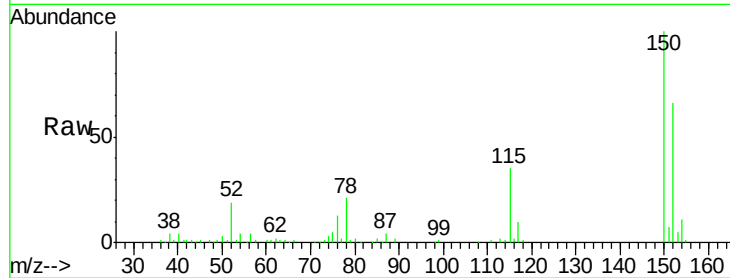


#1

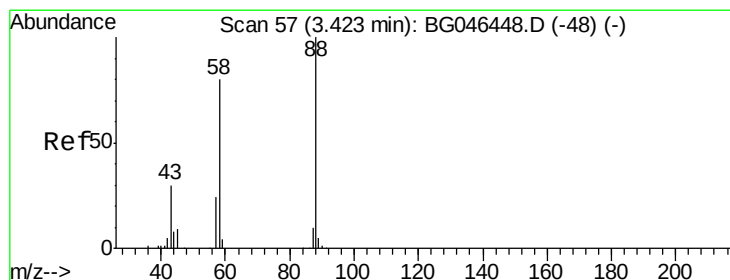
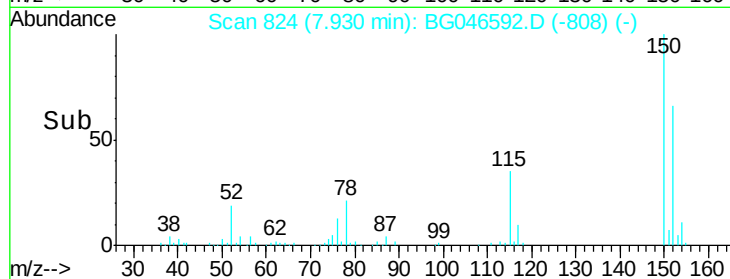
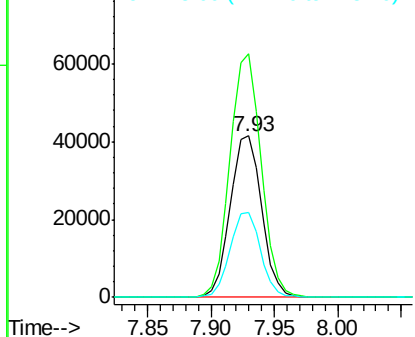
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BG046592.D
Acq: 10 Sep 2020 21:53

Instrument :
BNA_G
ClientSampleId :
PAV-B41-090820-0-10

Tot Ion:152 Resp: 71067
Ion Ratio Lower Upper
152 100
150 150.7 119.5 179.3
115 52.2 44.3 66.5



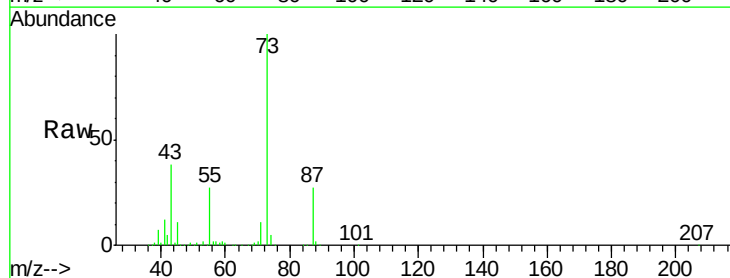
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



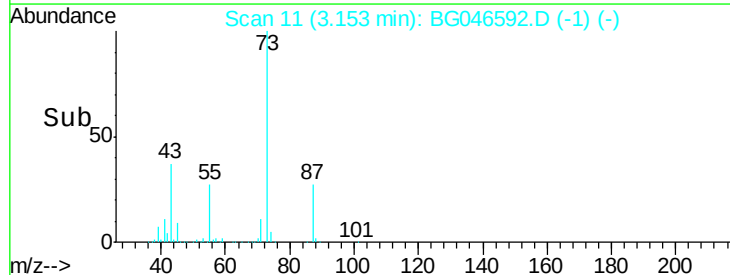
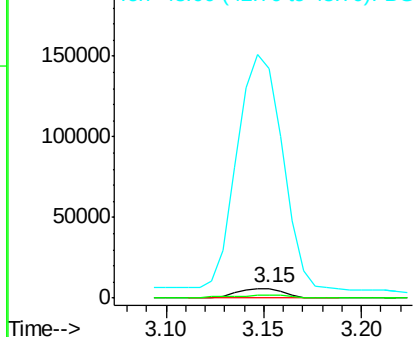
#2

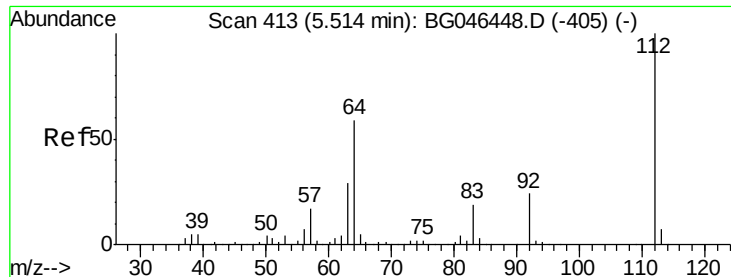
1,4-Dioxane
Concen: 6.048 ng
RT: 3.15 min Scan# 11
Delta R.T. -0.27 min
Lab File: BG046592.D
Acq: 10 Sep 2020 21:53

Tgt Ion: 88 Resp: 10096
Ion Ratio Lower Upper
88 100
58 32.0 61.4 92.2#
43 2479.2 21.6 32.4#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 111.433 ng

RT: 5.51 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046592.D

Acq: 10 Sep 2020 21:53

Instrument :

BNA_G

ClientSampleId :

PAV-B41-090820-0-10

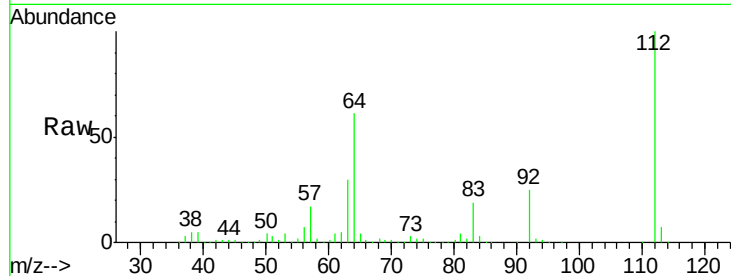
Tot Ion:112 Resp: 447113

Ion Ratio Lower Upper

112 100

64 61.5 47.0 70.6

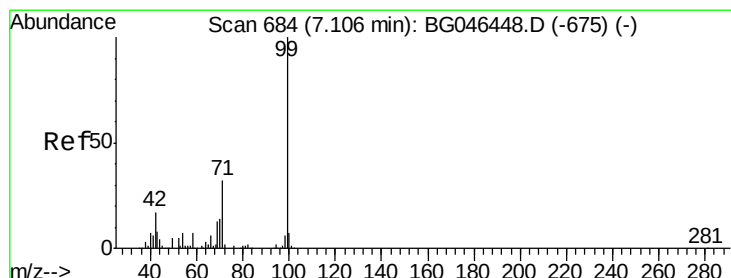
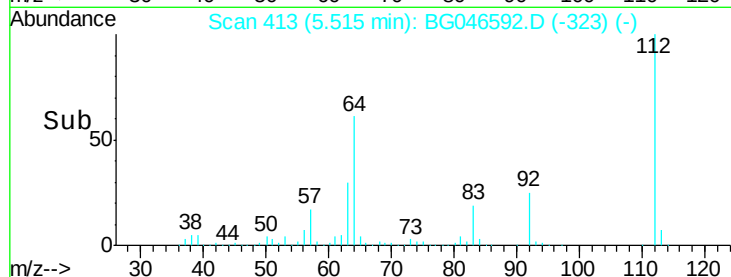
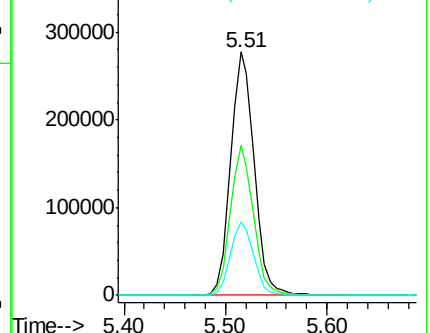
63 29.9 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 95.153 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG046592.D

Acq: 10 Sep 2020 21:53

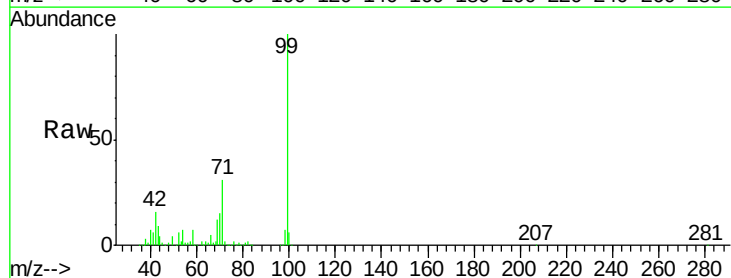
Tgt Ion: 99 Resp: 541231

Ion Ratio Lower Upper

99 100

42 16.4 13.3 19.9

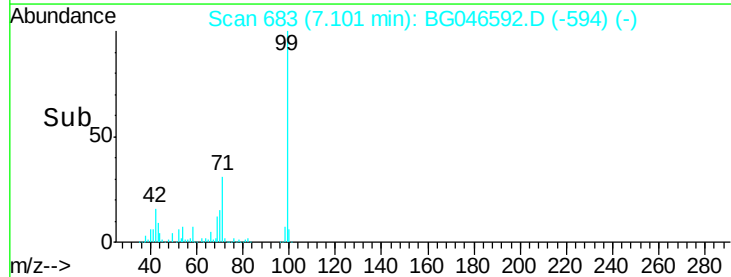
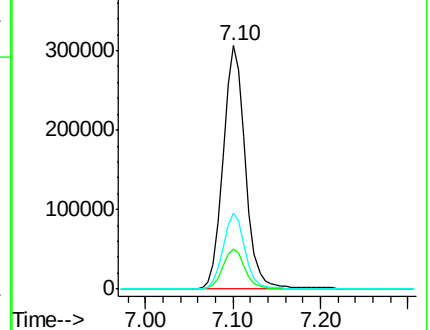
71 31.2 25.3 37.9

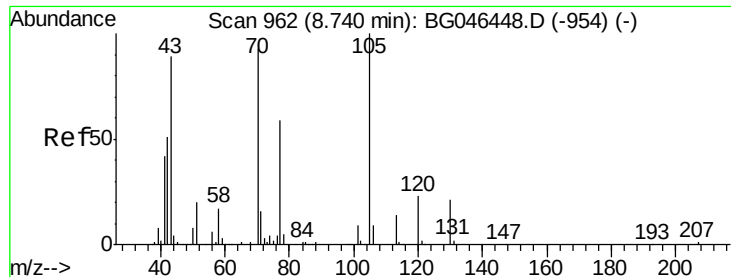


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 15.972 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046592.D

Acq: 10 Sep 2020 21:53

Instrument :

BNA_G

ClientSampleId :

PAV-B41-090820-0-10

Tot Ion: 70 Resp: 54343

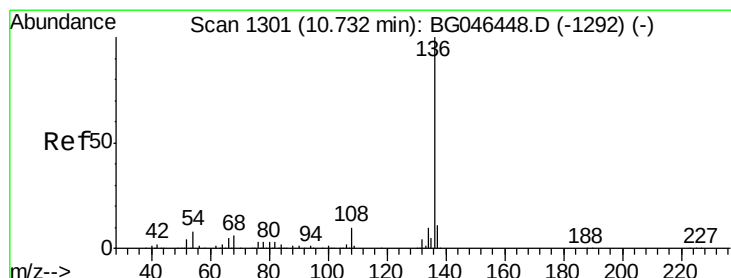
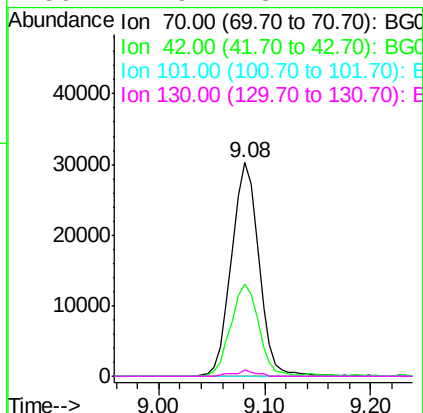
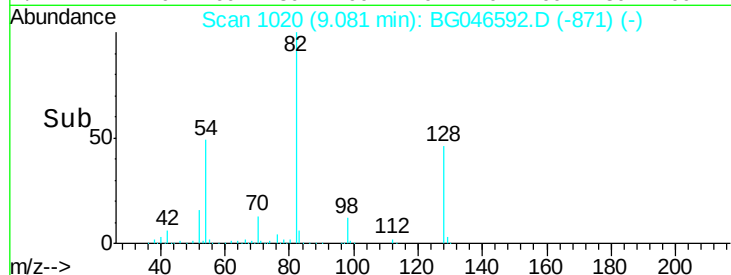
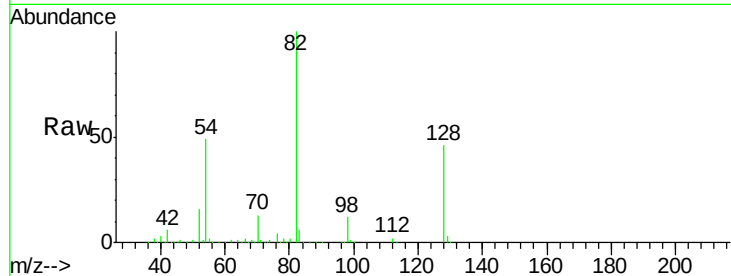
Ion Ratio Lower Upper

70 100

42 43.0 44.2 66.2#

101 0.0 7.8 11.8#

130 2.9 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BG046592.D

Acq: 10 Sep 2020 21:53

Tgt Ion: 136 Resp: 277367

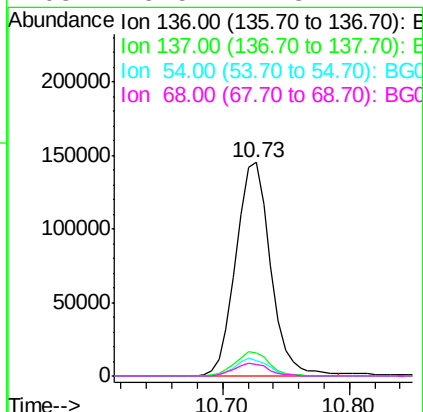
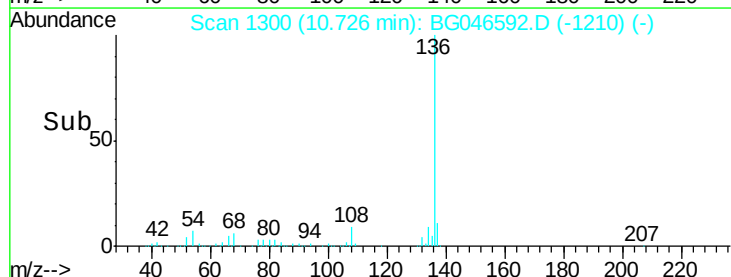
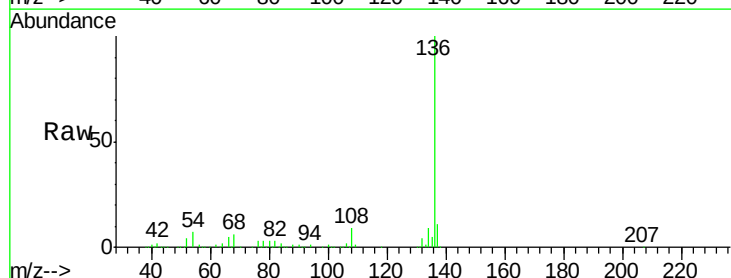
Ion Ratio Lower Upper

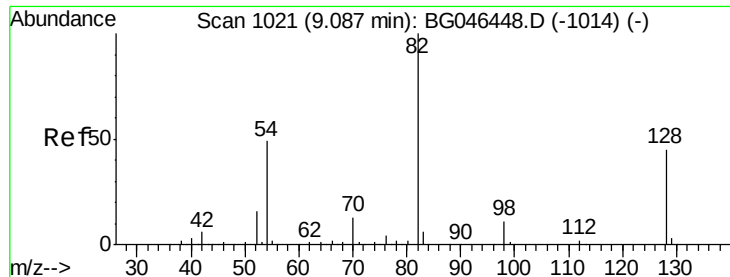
136 100

137 11.0 8.8 13.2

54 7.3 6.1 9.1

68 5.5 4.8 7.2

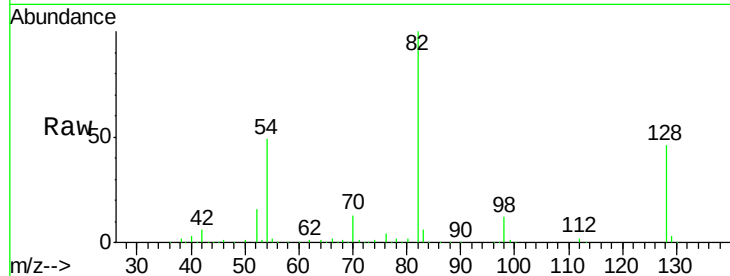




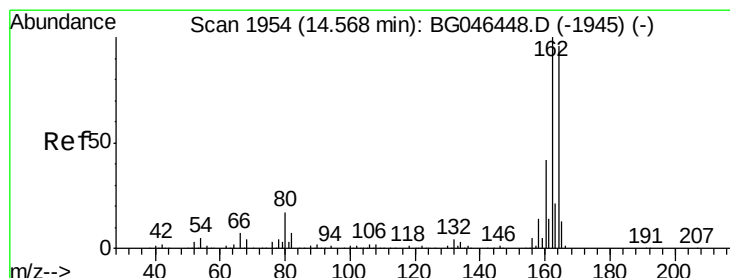
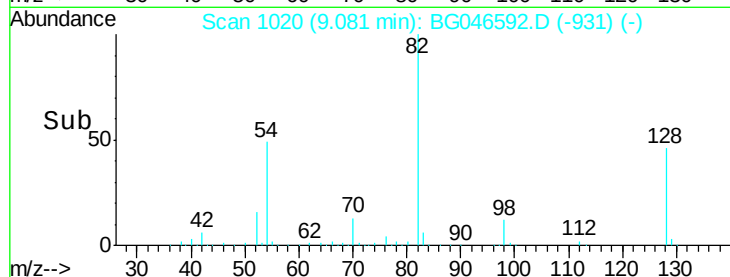
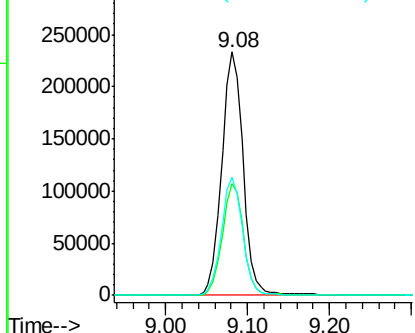
#23
Nitrobenzene-d5
Concen: 87.917 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG046592.D
Acq: 10 Sep 2020 21:53

Instrument :
BNA_G
ClientSampleId :
PAV-B41-090820-0-10

Tot Ion: 82 Resp: 426652
Ion Ratio Lower Upper
82 100
128 46.1 35.7 53.5
54 48.6 39.4 59.0

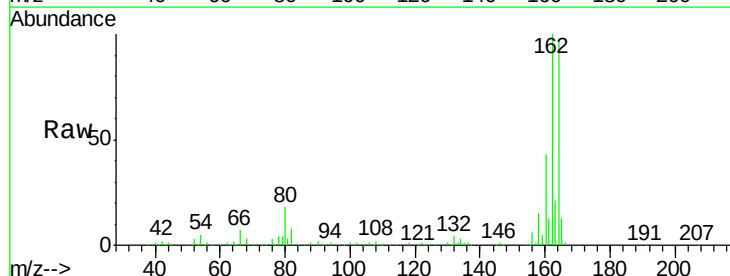


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

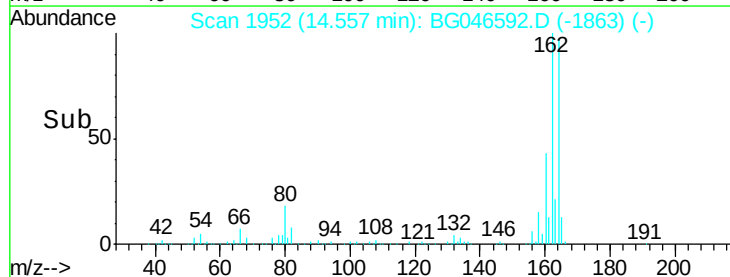
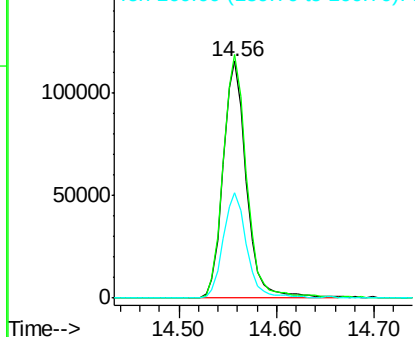


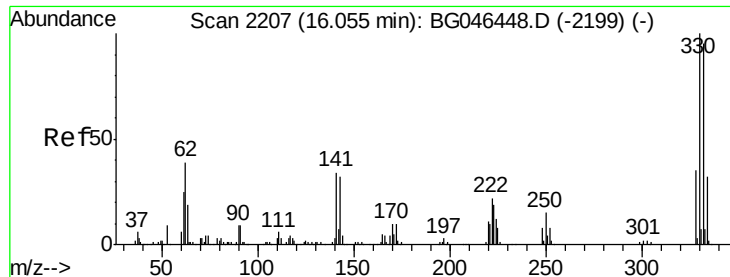
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BG046592.D
Acq: 10 Sep 2020 21:53

Tgt Ion:164 Resp: 191616
Ion Ratio Lower Upper
164 100
162 102.9 83.3 124.9
160 44.4 35.0 52.6



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

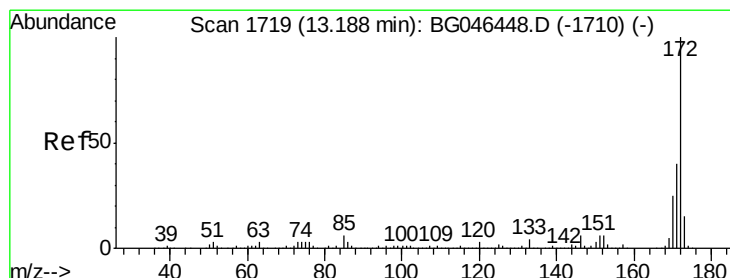
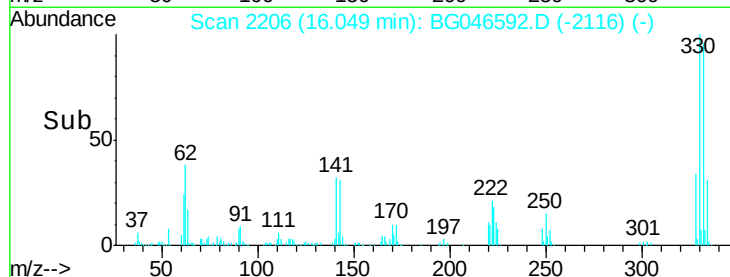
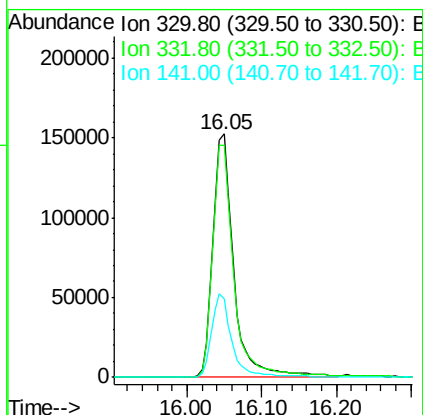
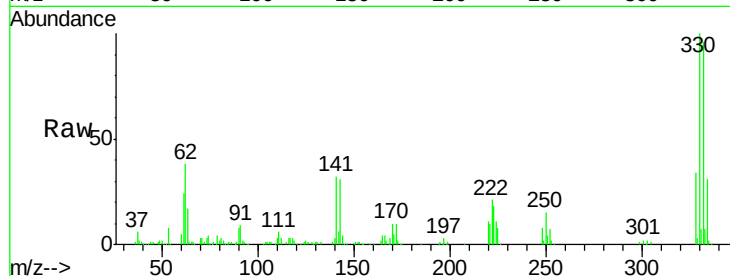




#42
 2,4,6-Tribromophenol
 Concen: 114.185 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG046592.D
 Acq: 10 Sep 2020 21:53

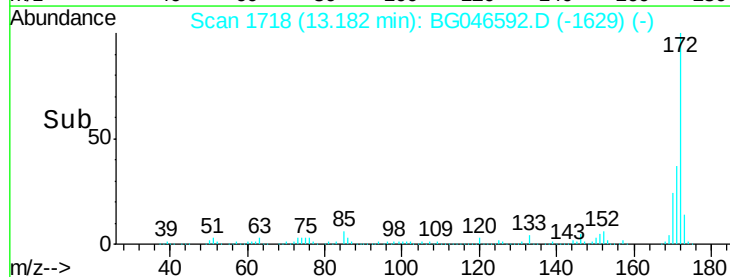
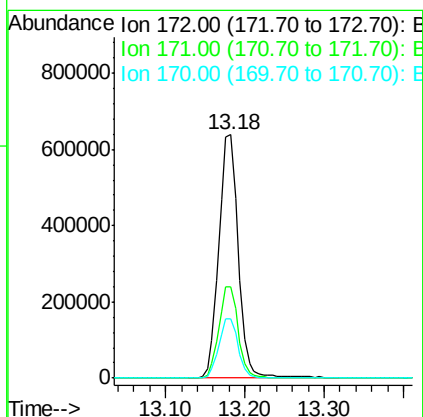
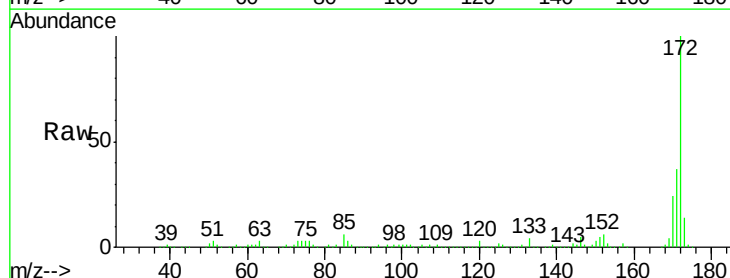
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 ClientSampleId :
 PAV-B41-090820-0-10

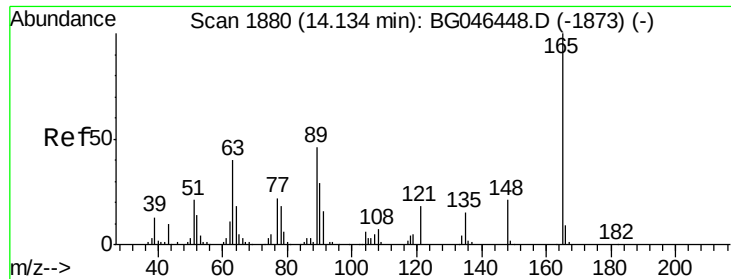
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.1	114.1
141	33.4	26.1	39.1



#45
 2-Fluorobiphenyl
 Concen: 86.827 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BG046592.D
 Acq: 10 Sep 2020 21:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	31.8	47.6
170	24.4	20.3	30.5

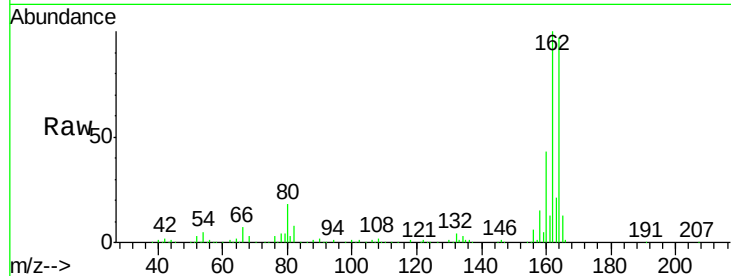




#51
 2,6-Dinitrotoluene
 Concen: 7.644 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.42 min
 Lab File: BG046592.D
 Acq: 10 Sep 2020 21:53

Instrument :
 BNA_G
 ClientSampleId :
 PAV-B41-090820-0-10

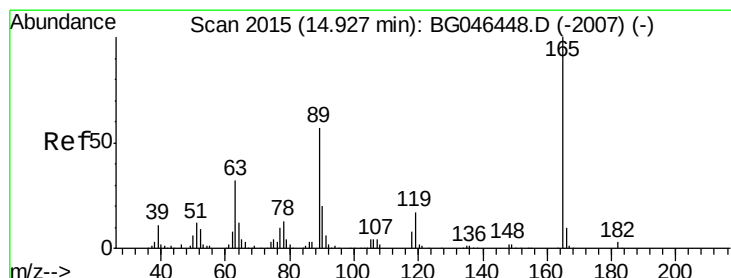
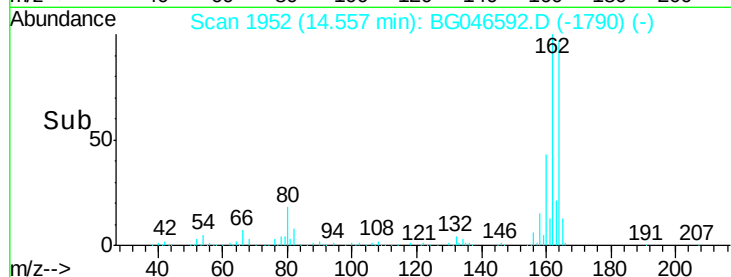
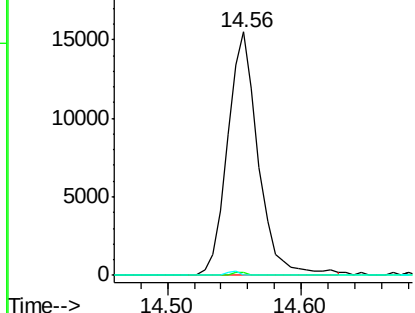
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.2	51.4#
89	0.0	37.0	55.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.392 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046592.D
 Acq: 10 Sep 2020 21:53

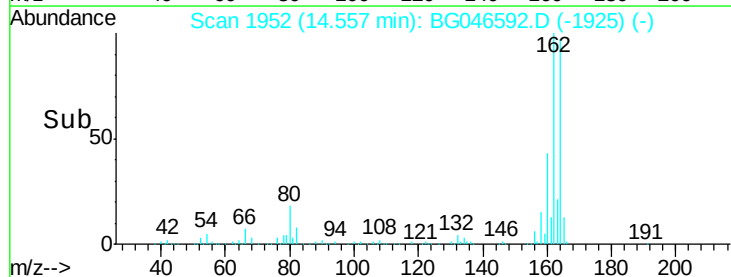
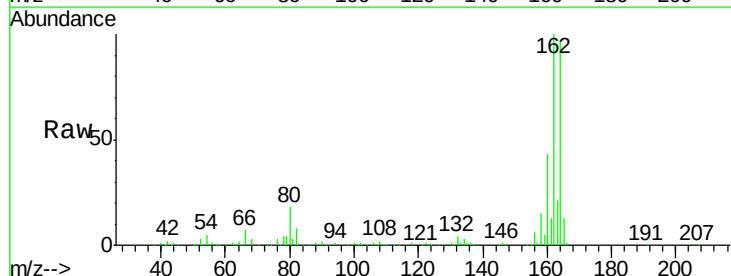
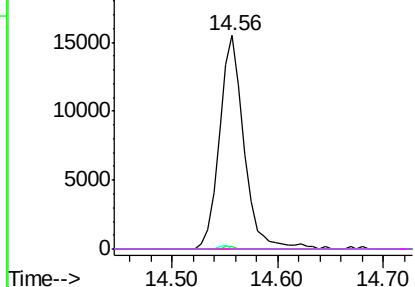
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	0.0	45.9	68.9#
182	0.0	2.3	3.5#

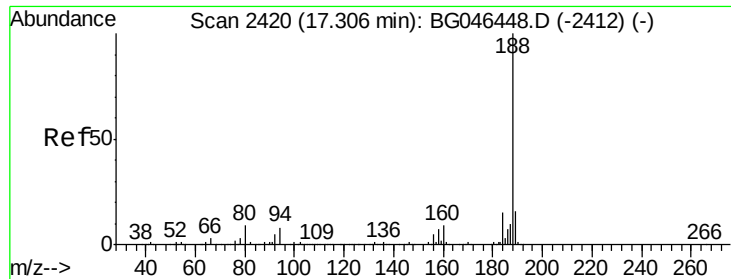
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

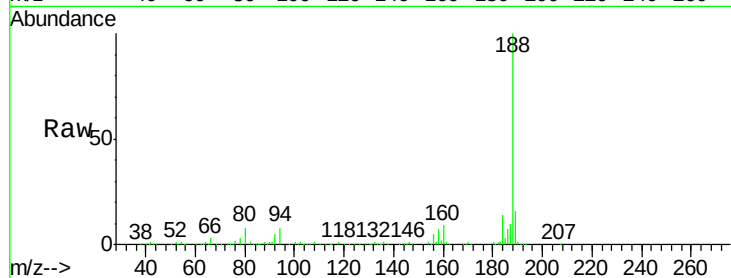




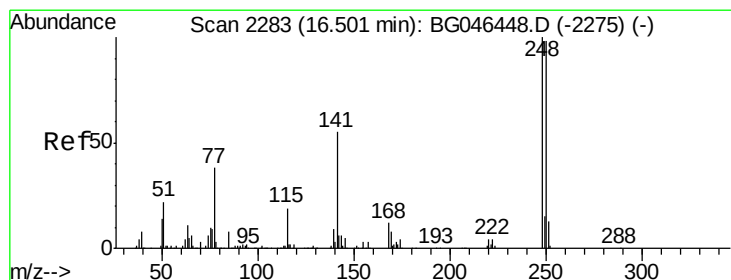
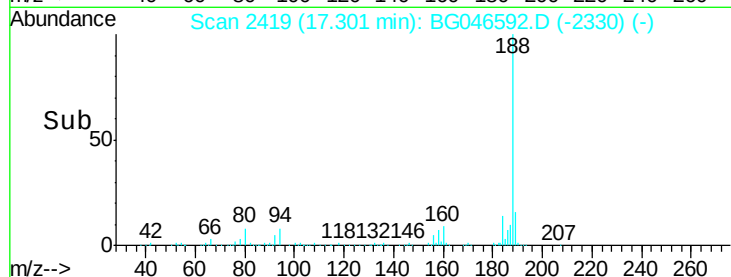
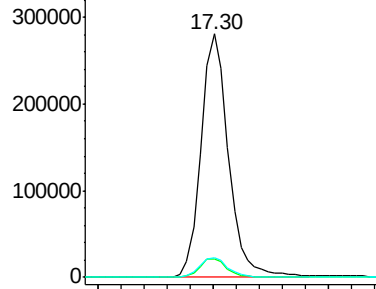
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.30 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BG046592.D
Acq: 10 Sep 2020 21:53

Instrument :
BNA_G
ClientSampleId :
PAV-B41-090820-0-10

Tot Ion:188 Resp: 464139
Ion Ratio Lower Upper
188 100
94 7.6 6.3 9.5
80 8.1 6.9 10.3

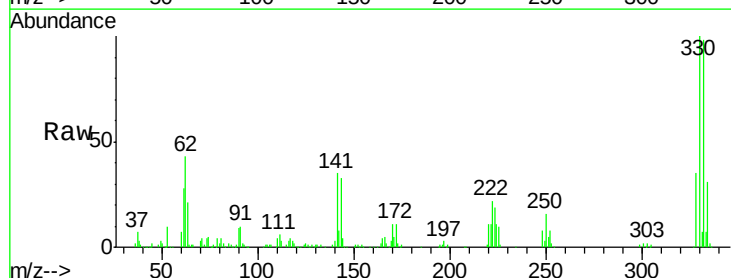


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

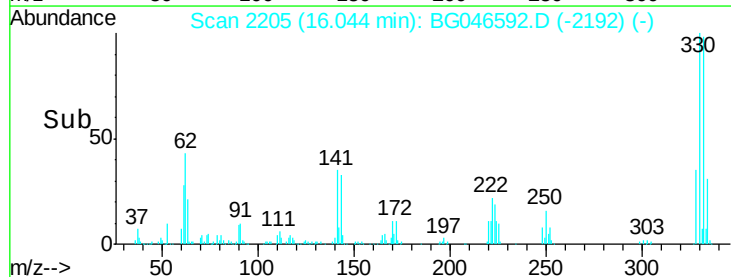
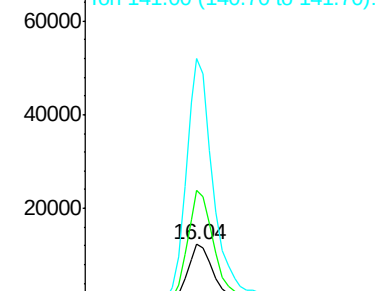


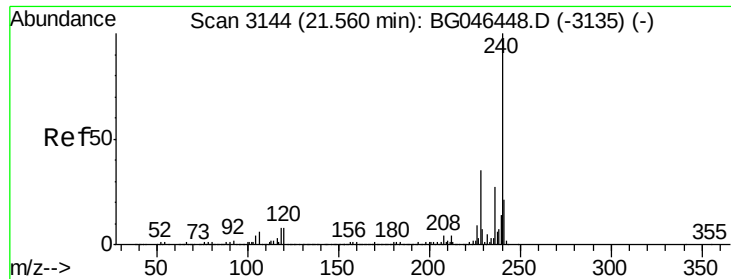
#67
4-Bromophenyl-phenylether
Concen: 4.138 ng
RT: 16.04 min Scan# 2205
Delta R.T. -0.45 min
Lab File: BG046592.D
Acq: 10 Sep 2020 21:53

Tgt Ion:248 Resp: 22407
Ion Ratio Lower Upper
248 100
250 194.8 78.6 118.0#
141 423.0 43.9 65.9#



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

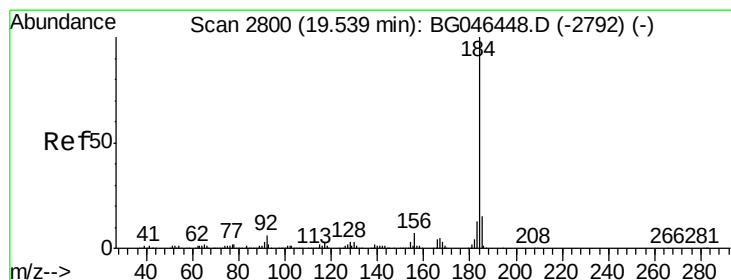
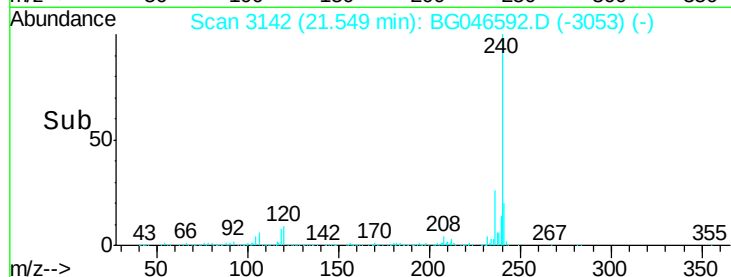
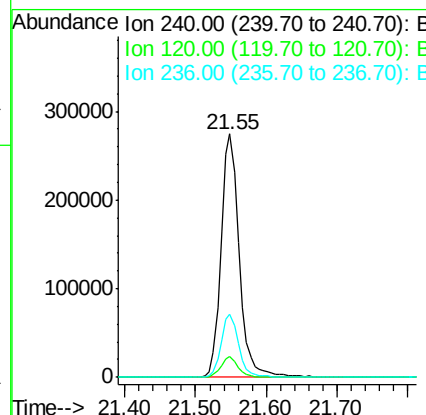
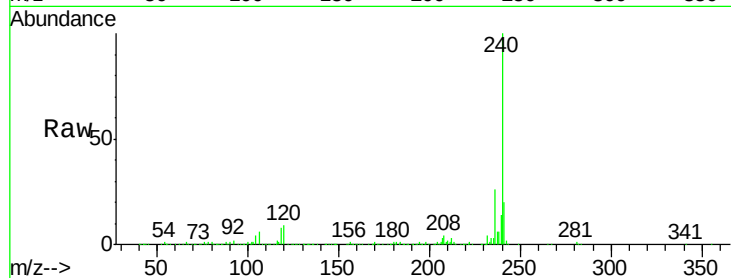




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG046592.D
Acq: 10 Sep 2020 21:53

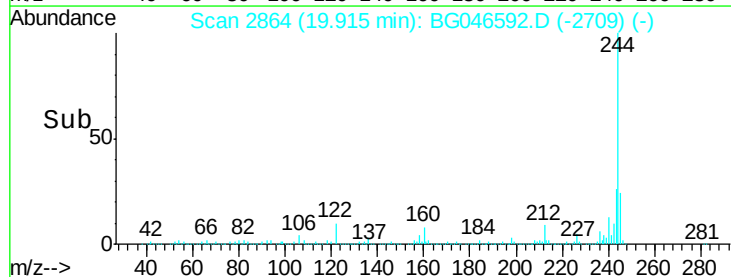
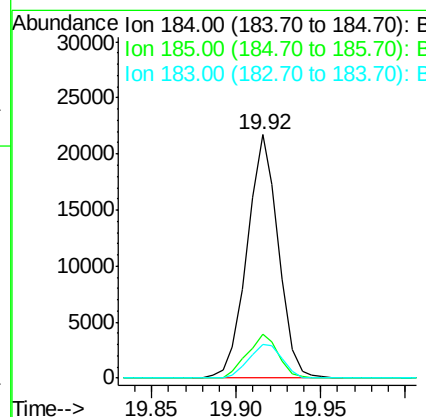
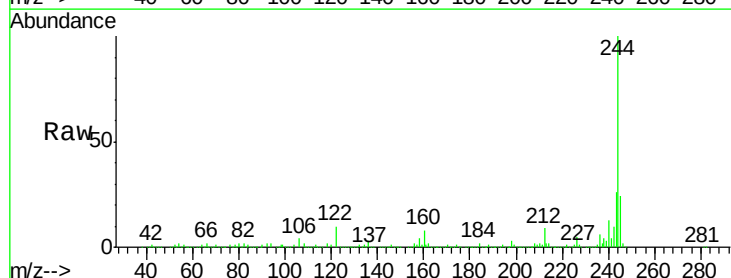
Instrument :
BNA_G
ClientSampleId :
PAV-B41-090820-0-10

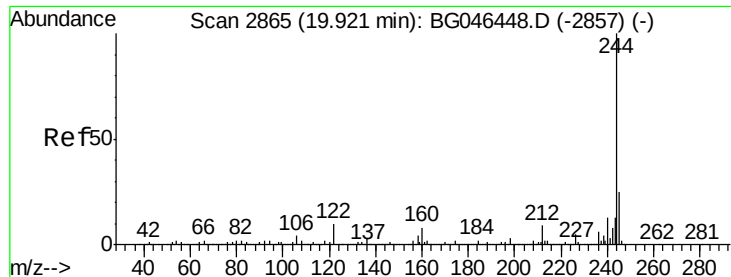
Tot Ion:240 Resp: 491924
Ion Ratio Lower Upper
240 100
120 8.7 6.6 10.0
236 26.1 21.4 32.2



#77
Benzidine
Concen: 2.441 ng
RT: 19.92 min Scan# 2864
Delta R.T. 0.38 min
Lab File: BG046592.D
Acq: 10 Sep 2020 21:53

Tgt Ion:184 Resp: 27902
Ion Ratio Lower Upper
184 100
185 17.9 11.8 17.8#
183 13.8 10.7 16.1





#79

Terphenyl-d14

Concen: 78.141 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG046592.D

Acq: 10 Sep 2020 21:53

Instrument :

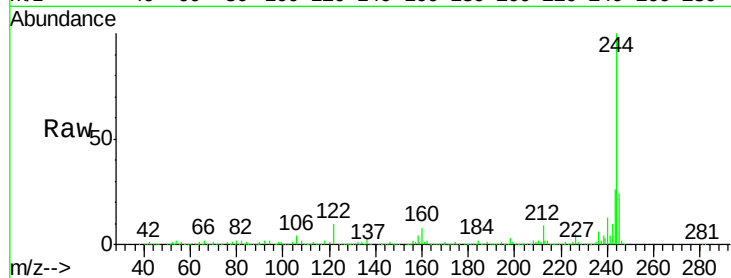
BNA_G

ClientSampleId :

PAV-B41-090820-0-10

Tot Ion:244 Resp: 1806208

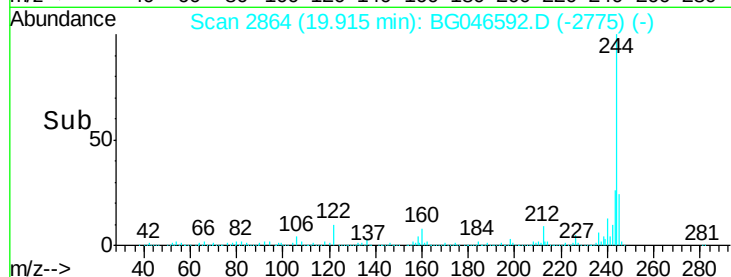
Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.9	10.3
122	9.9	8.2	12.4



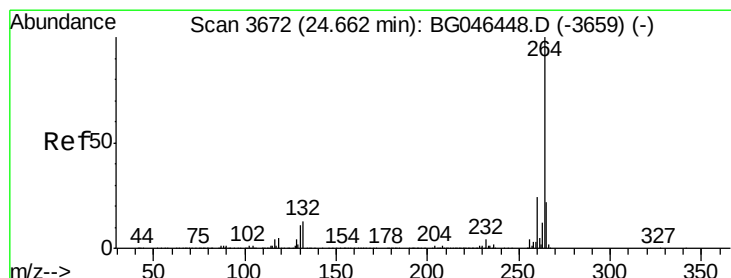
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.80 19.90 20.00



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.65 min Scan# 3670

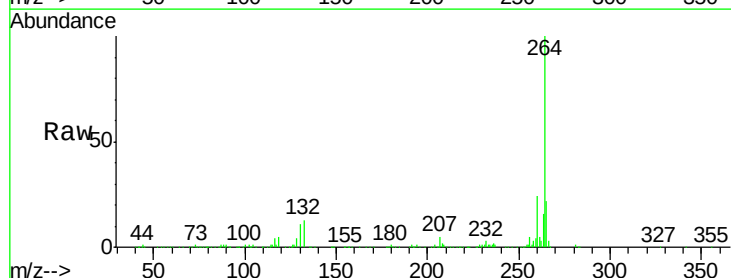
Delta R.T. -0.01 min

Lab File: BG046592.D

Acq: 10 Sep 2020 21:53

Tgt Ion:264 Resp: 469452

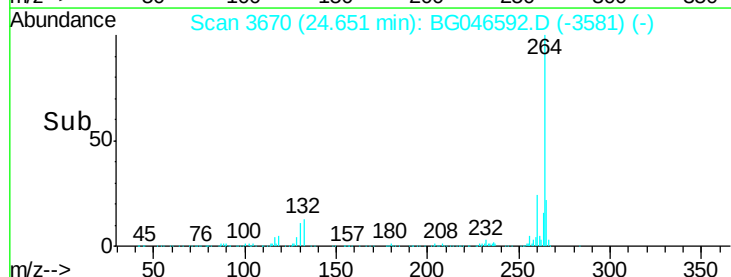
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.4	17.9	26.9



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



Time--> 24.60 24.80