

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091020\
 Data File : BG046587.D
 Acq On : 10 Sep 2020 18:31
 Operator : CG/JU
 Sample : L3931-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1-1

Quant Time: Sep 10 19:08:33 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

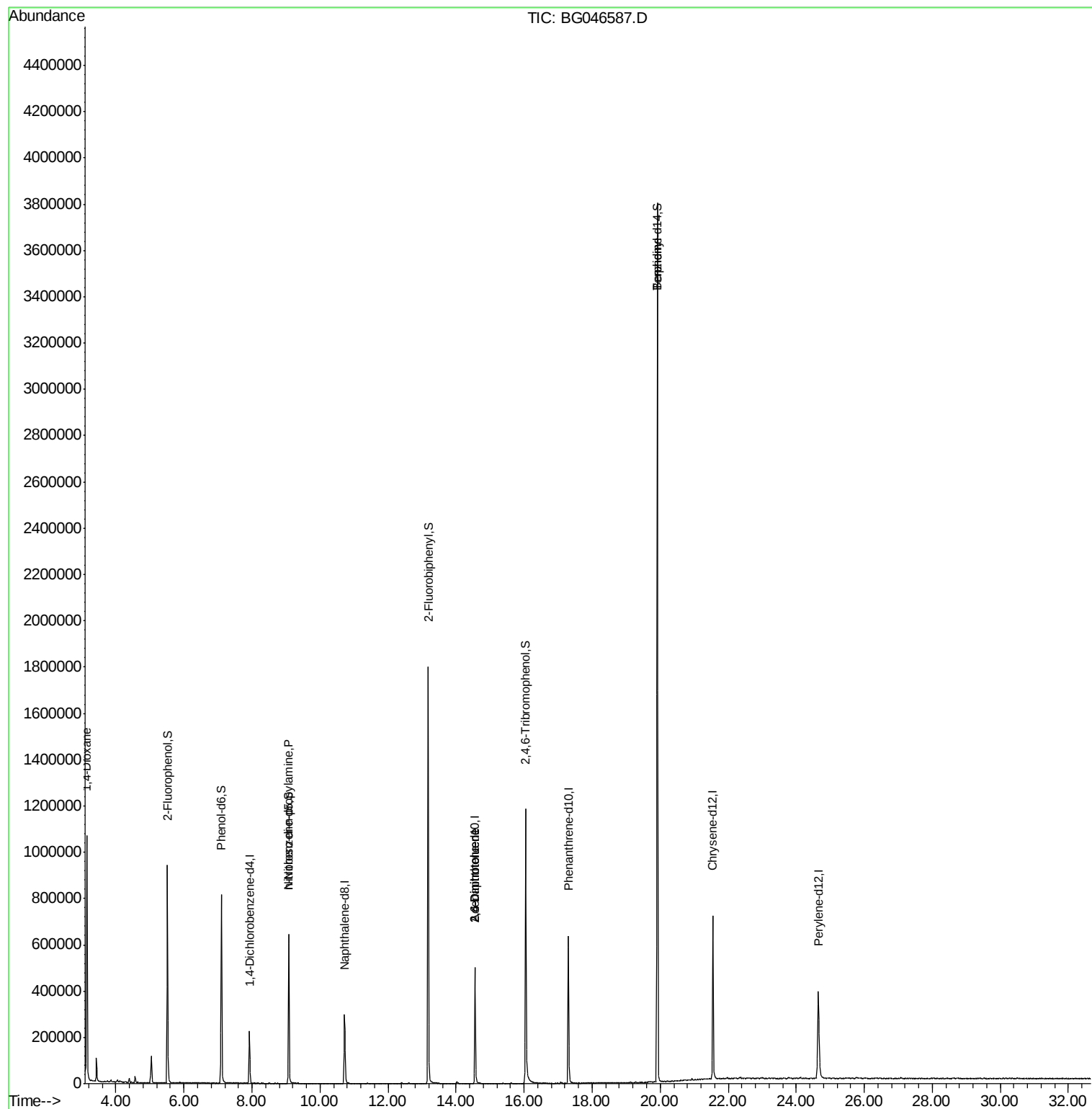
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	73135	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	288554	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	199698	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	471808	20.00	ng	0.00
76) Chrysene-d12	21.55	240	485346	20.00	ng	0.00
86) Perylene-d12	24.65	264	467651	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	438430	106.18	ng	0.00
7) Phenol-d6	7.10	99	533593	91.16	ng	0.00
23) Nitrobenzene-d5	9.08	82	419125	83.02	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	293395	108.43	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1068509	81.68	ng	0.00
79) Terphenyl-d14	19.92	244	1767281	77.49	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	10405	6.057	ng	# 1
19) n-Nitroso-di-n-propylamine	9.08	70	53105	15.167	ng	# 75
51) 2,6-Dinitrotoluene	14.56	165	26155	7.680	ng	# 32
57) 2,4-Dinitrotoluene	14.56	165	26155	5.386	ng	# 32
77) Benzidine	19.92	184	26905	2.386	ng	# 95

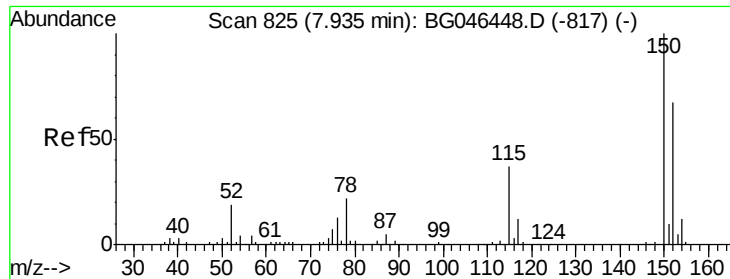
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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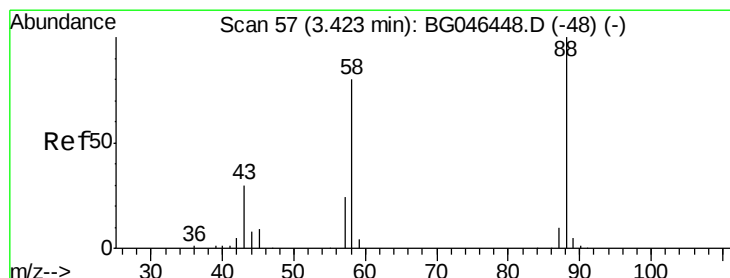
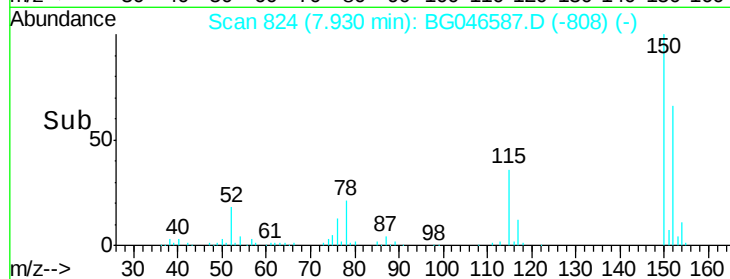
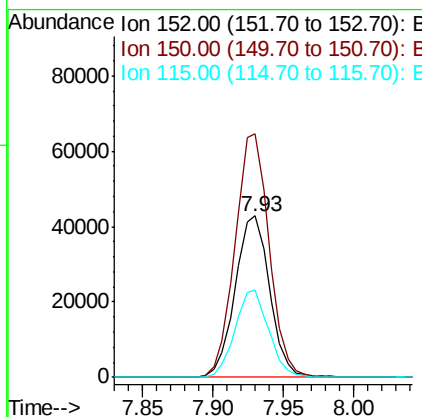
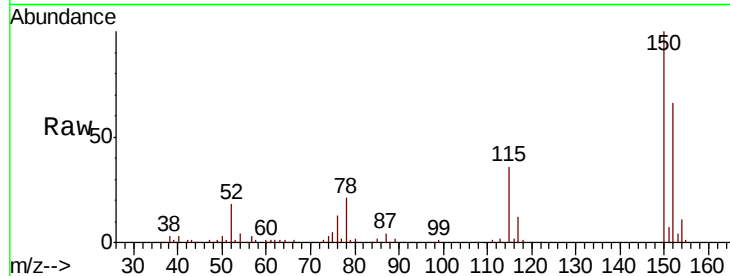


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046587.D
Acq: 10 Sep 2020 18:31

Instrument :
BNA_G
ClientSampleId :
SP-1-1

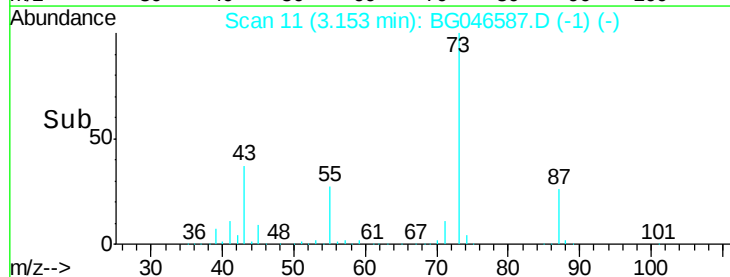
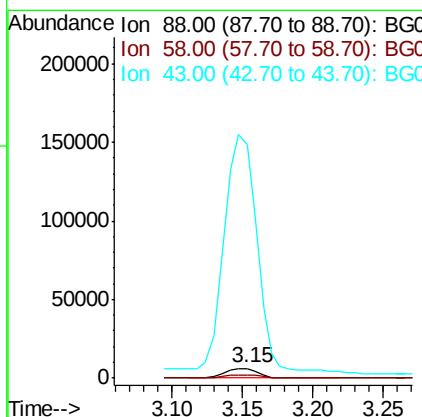
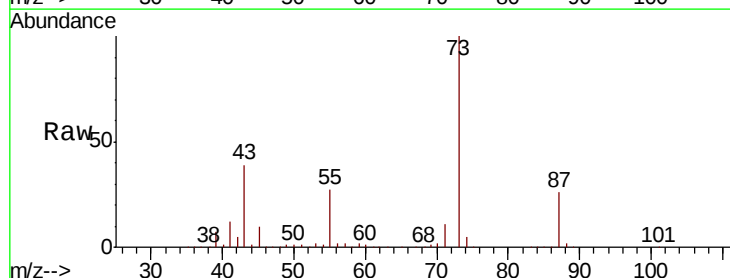
Tot Ion:152 Resp: 73135
Ion Ratio Lower Upper
152 100
150 150.9 119.5 179.3
115 54.1 44.3 66.5

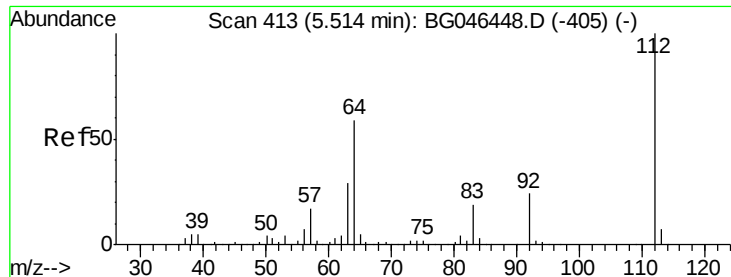


#2

1,4-Dioxane
Concen: 6.057 ng
RT: 3.15 min Scan# 11
Delta R.T. -0.27 min
Lab File: BG046587.D
Acq: 10 Sep 2020 18:31

Tgt Ion: 88 Resp: 10405
Ion Ratio Lower Upper
88 100
58 29.2 61.4 92.2#
43 2432.5 21.6 32.4#





#5

2-Fluorophenol

Concen: 106.179 ng

RT: 5.52 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046587.D

Acq: 10 Sep 2020 18:31

Instrument :

BNA_G

ClientSampleId :

SP-1-1

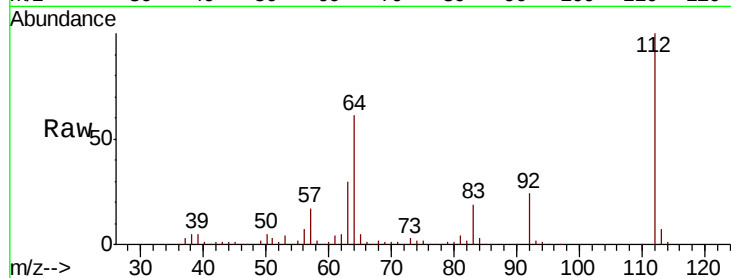
Tot Ion:112 Resp: 438430

Ion Ratio Lower Upper

112 100

64 60.8 47.0 70.6

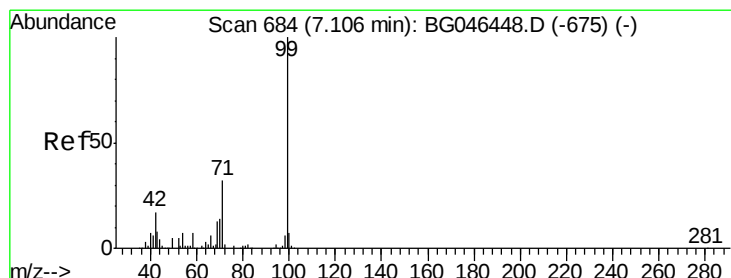
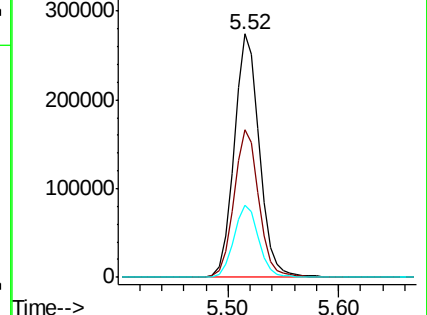
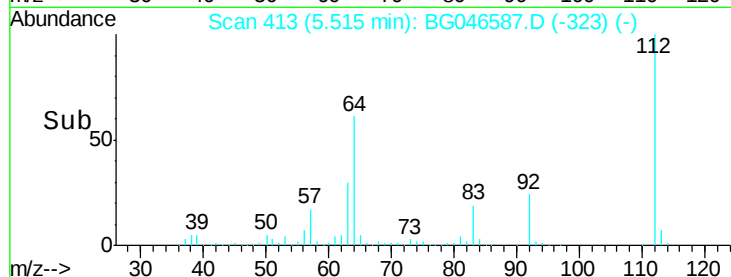
63 29.6 23.5 35.3



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: 91.158 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046587.D

Acq: 10 Sep 2020 18:31

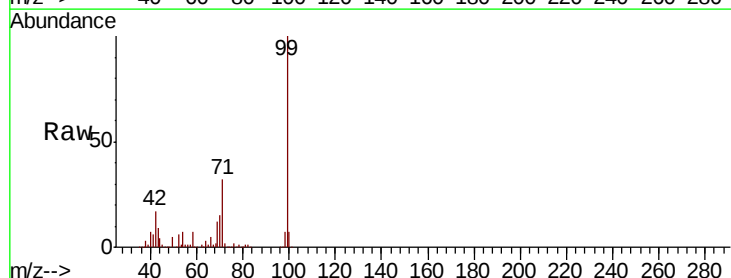
Tgt Ion: 99 Resp: 533593

Ion Ratio Lower Upper

99 100

42 16.8 13.3 19.9

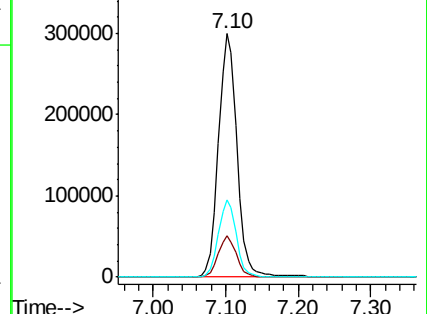
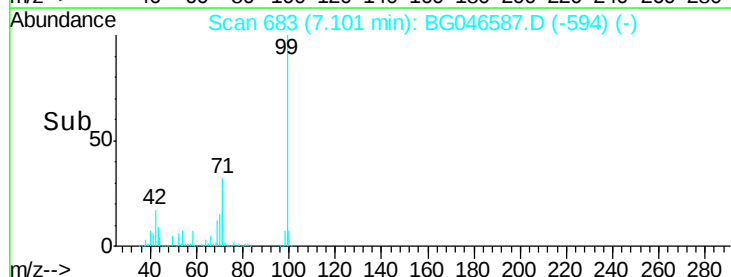
71 31.9 25.3 37.9

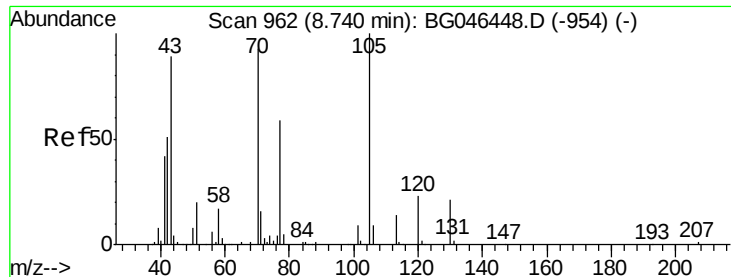


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

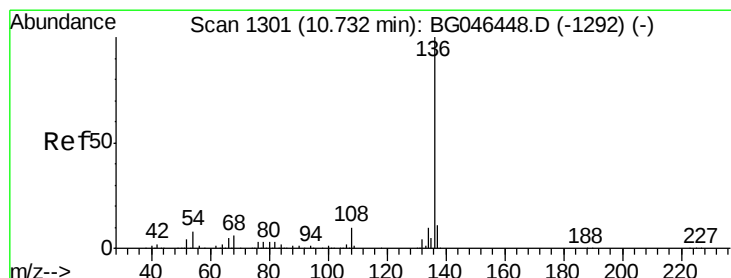
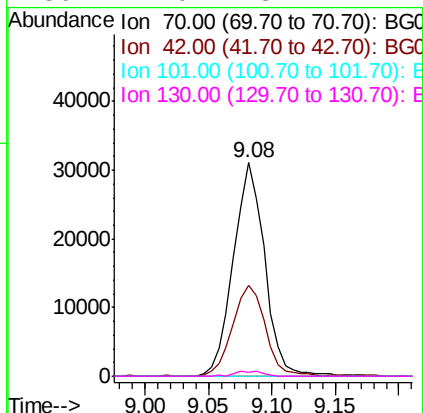
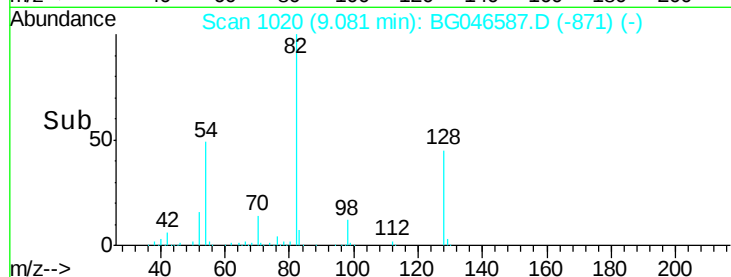
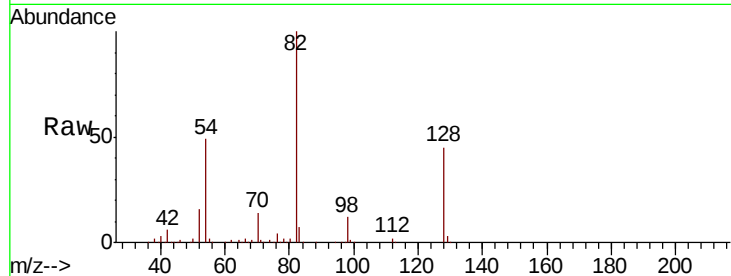




#19
n-Nitroso-di-n-propylamine
Concen: 15.167 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.35 min
Lab File: BG046587.D
Acq: 10 Sep 2020 18:31

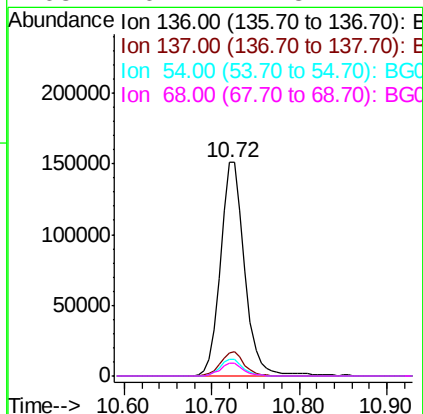
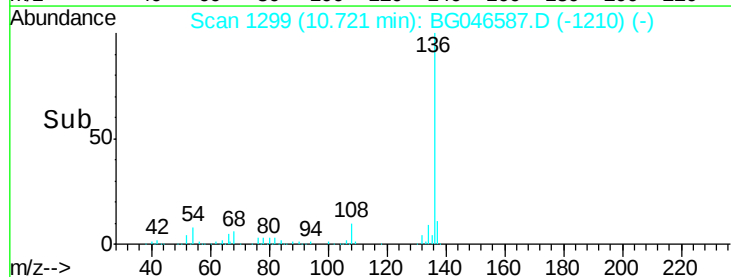
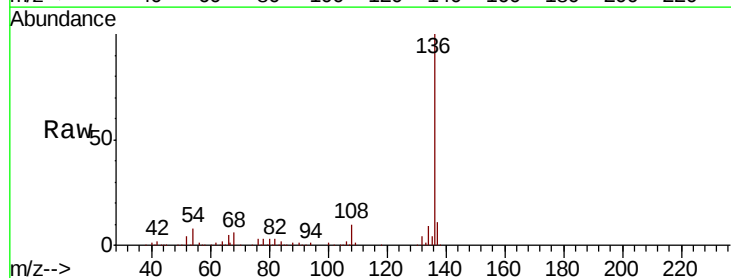
Instrument :
BNA_G
ClientSampled :
SP-1-1

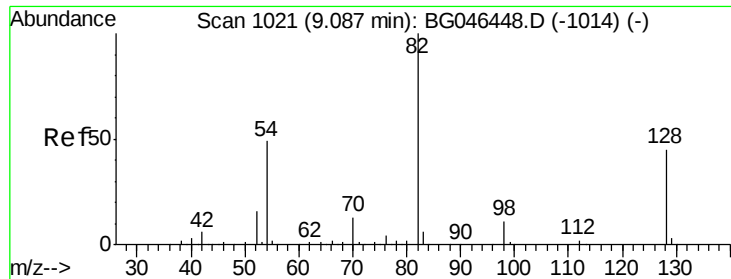
Tot Ion: 70 Resp: 53105
Ion Ratio Lower Upper
70 100
42 42.6 44.2 66.2#
101 0.0 7.8 11.8#
130 2.0 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BG046587.D
Acq: 10 Sep 2020 18:31

Tgt Ion: 136 Resp: 288554
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.9 6.1 9.1
68 6.1 4.8 7.2

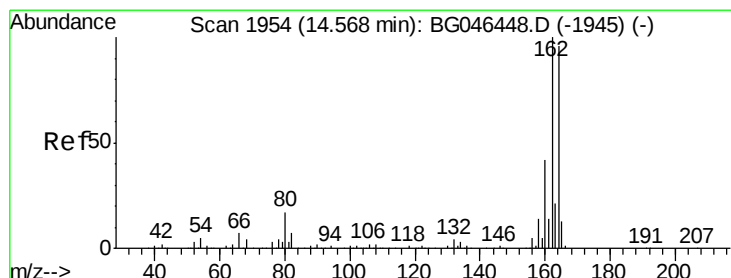
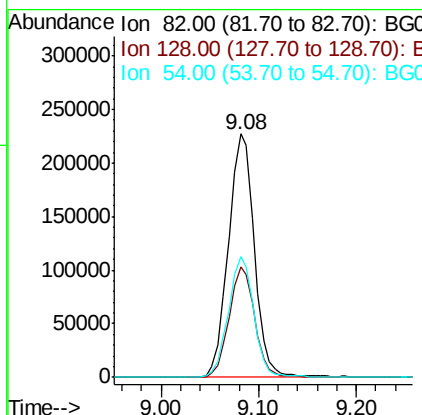
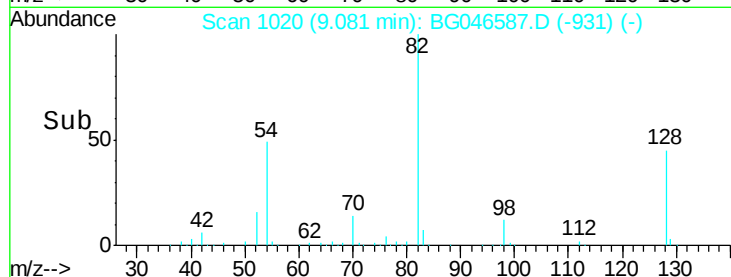
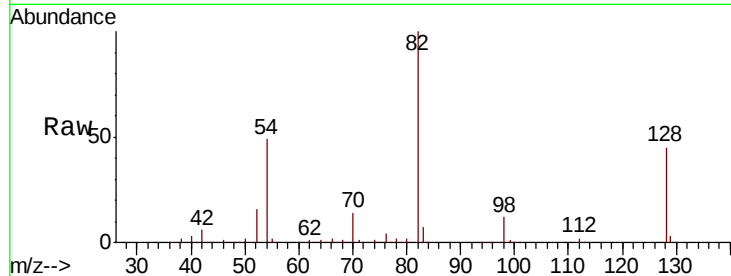




#23
 Nitrobenzene-d5
 Concen: 83.018 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG046587.D
 Acq: 10 Sep 2020 18:31

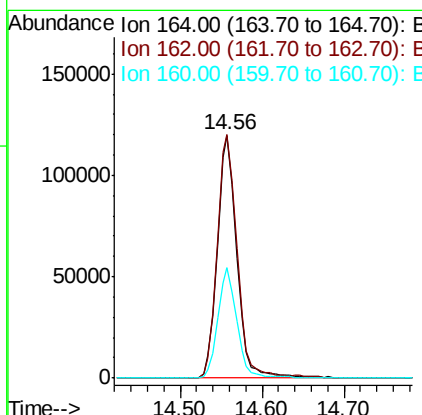
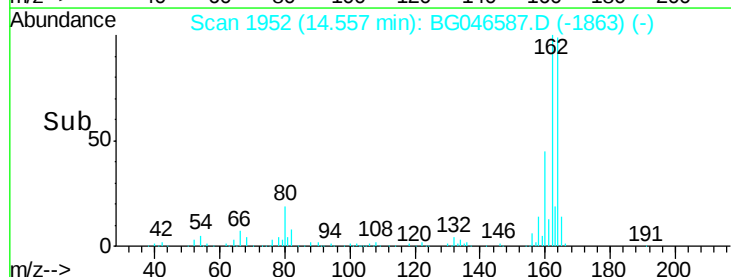
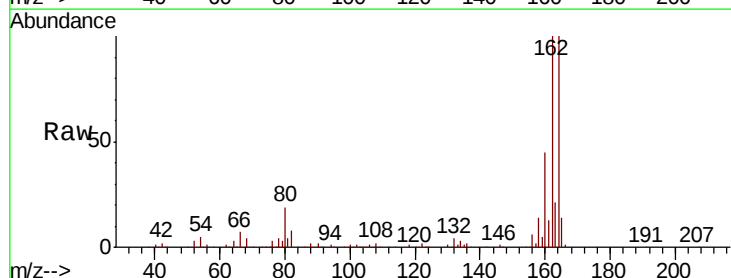
Instrument :
 BNA_G
 ClientSampleId :
 SP-1-1

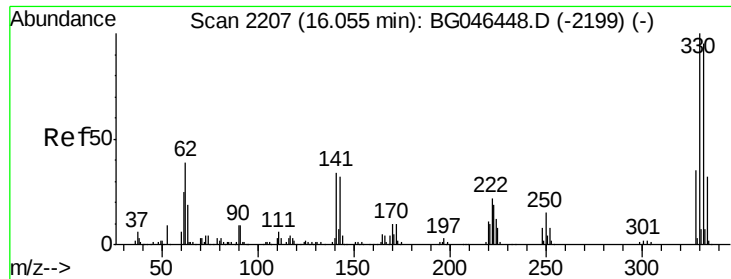
Tot Ion	82	Resp	419125
Ion Ratio	100		
Lower	35.7		
Upper	53.5		
128	45.1		
54	49.4		
	39.4		
	59.0		



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: BG046587.D
 Acq: 10 Sep 2020 18:31

Tgt Ion	164	Resp	199698
Ion Ratio	100		
Lower	83.3		
Upper	124.9		
162	100.4		
160	45.7		
	35.0		
	52.6		

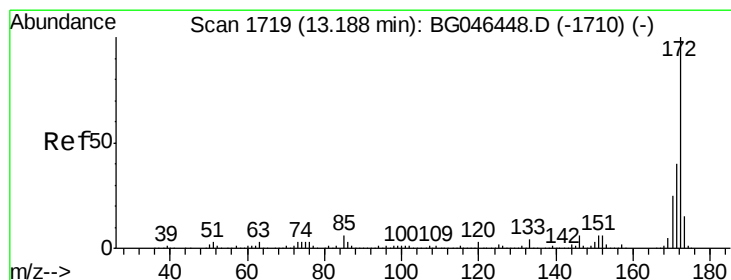
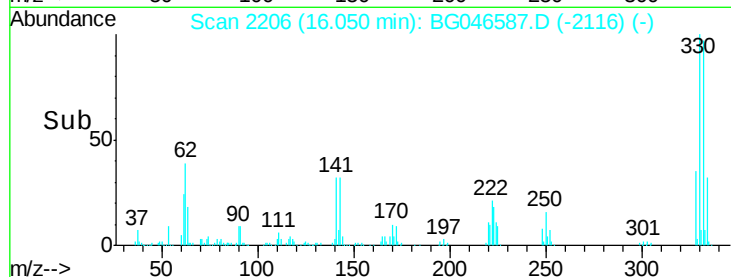
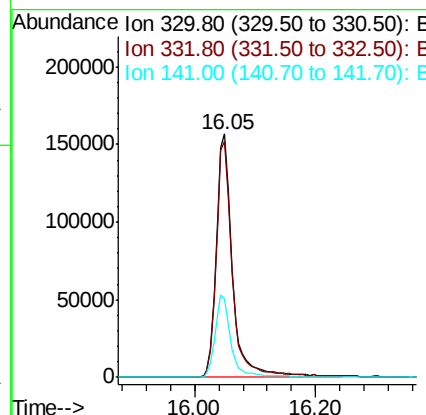
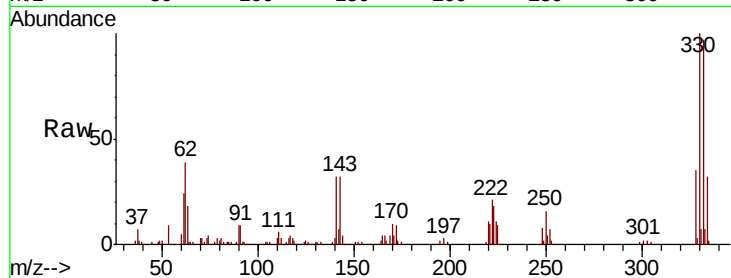




#42
 2,4,6-Tribromophenol
 Concen: 108.433 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG046587.D
 Acq: 10 Sep 2020 18:31

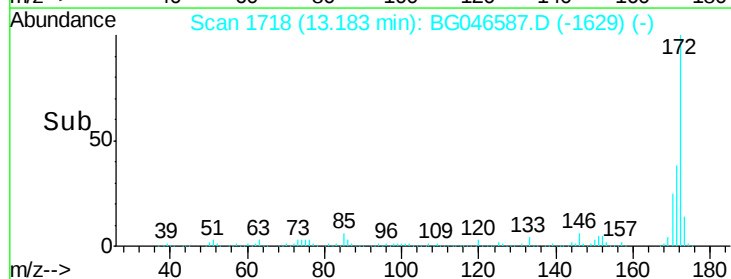
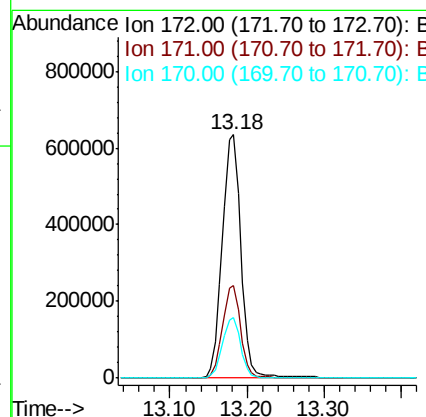
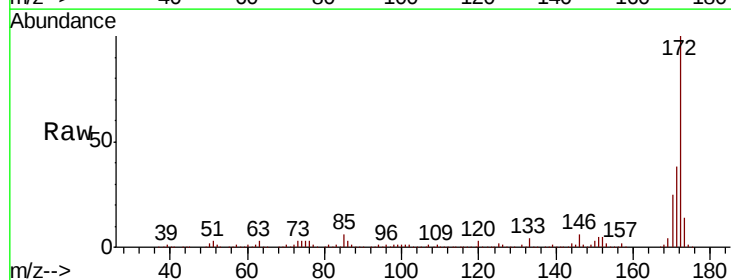
Instrument :
 BNA_G
 ClientSampleId :
 SP-1-1

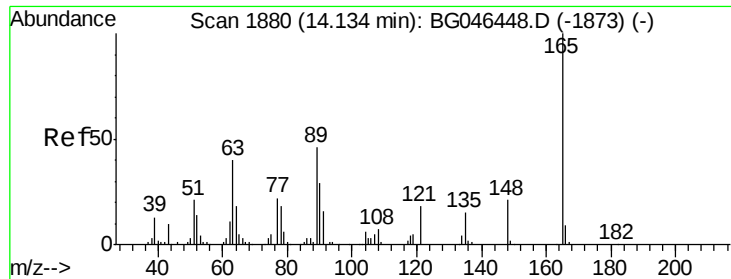
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.1	114.1
141	33.2	26.1	39.1



#45
 2-Fluorobiphenyl
 Concen: 81.681 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046587.D
 Acq: 10 Sep 2020 18:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.8	47.6
170	24.9	20.3	30.5

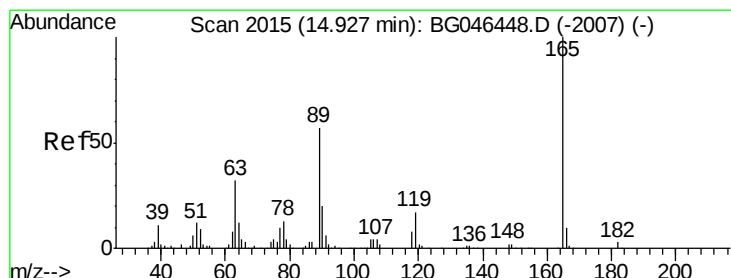
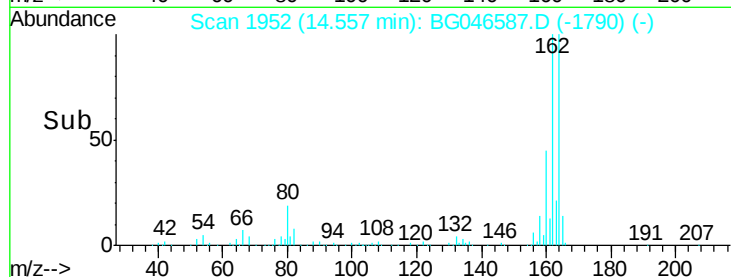
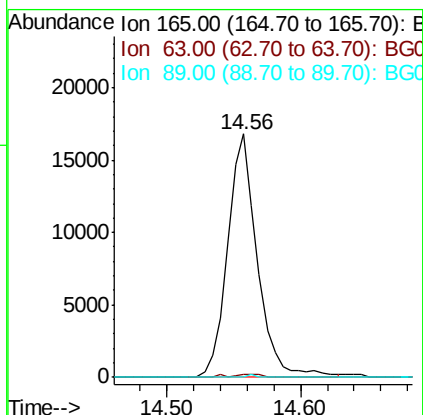
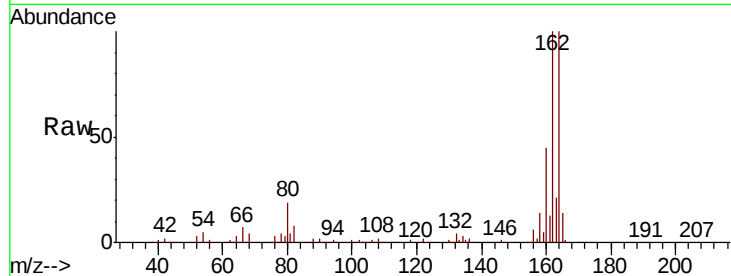




#51
 2,6-Dinitrotoluene
 Concen: 7.680 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.42 min
 Lab File: BG046587.D
 Acq: 10 Sep 2020 18:31

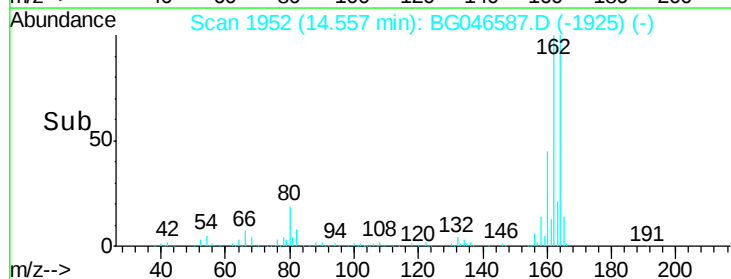
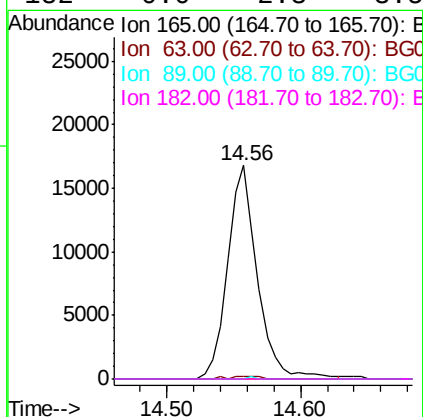
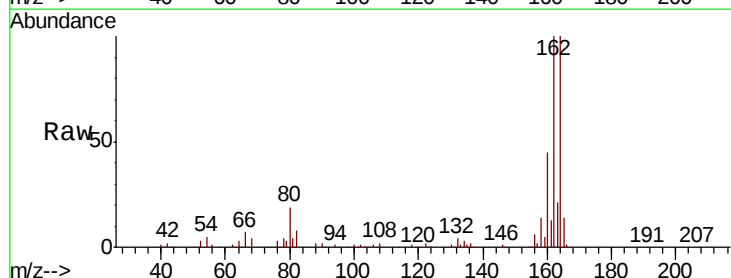
Instrument :
 BNA_G
 ClientSampleId :
 SP-1-1

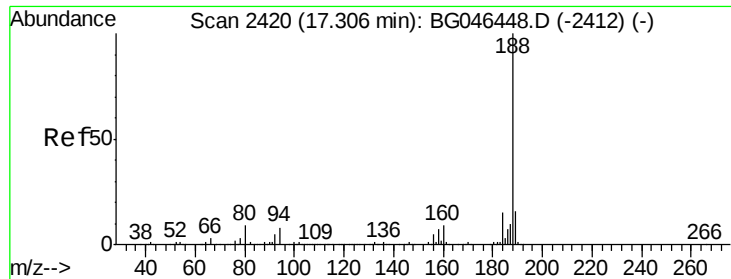
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.2	51.4#
89	0.0	37.0	55.4#



#57
 2,4-Dinitrotoluene
 Concen: 5.386 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046587.D
 Acq: 10 Sep 2020 18:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	25.4	38.0#
89	0.0	45.9	68.9#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BG046587.D

Acq: 10 Sep 2020 18:31

Instrument :

BNA_G

ClientSampleId :

SP-1-1

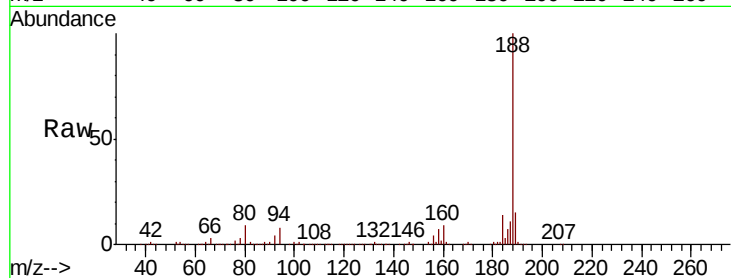
Tot Ion:188 Resp: 471808

Ion Ratio Lower Upper

188 100

94 8.2 6.3 9.5

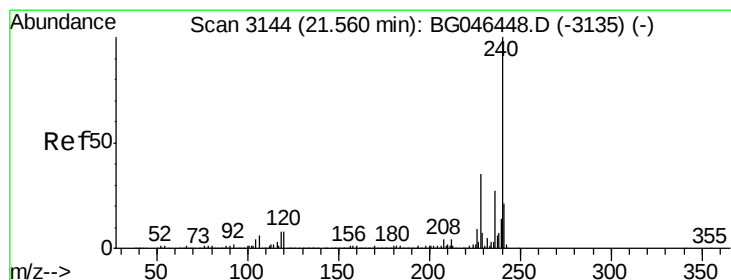
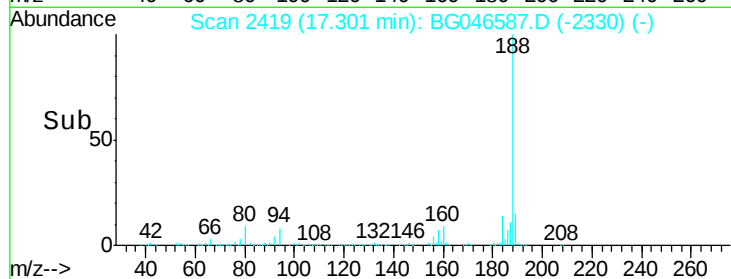
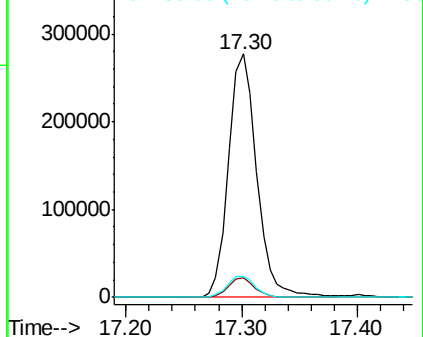
80 8.5 6.9 10.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.55 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG046587.D

Acq: 10 Sep 2020 18:31

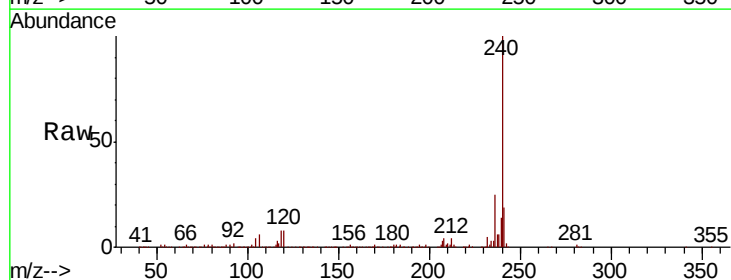
Tgt Ion:240 Resp: 485346

Ion Ratio Lower Upper

240 100

120 8.2 6.6 10.0

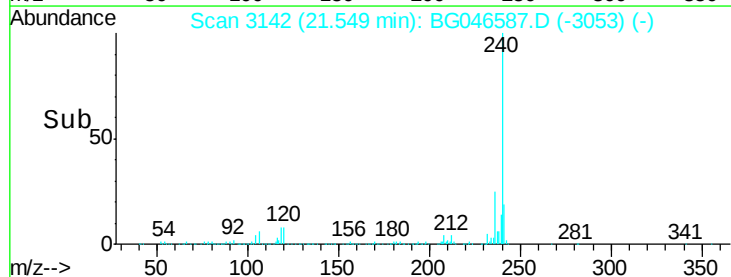
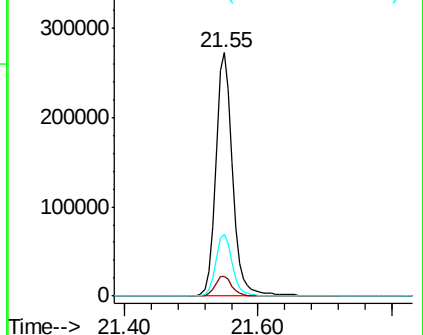
236 25.2 21.4 32.2



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: 2.386 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.38 min

Lab File: BG046587.D

Acq: 10 Sep 2020 18:31

Instrument :

BNA_G

ClientSampled :

SP-1-1

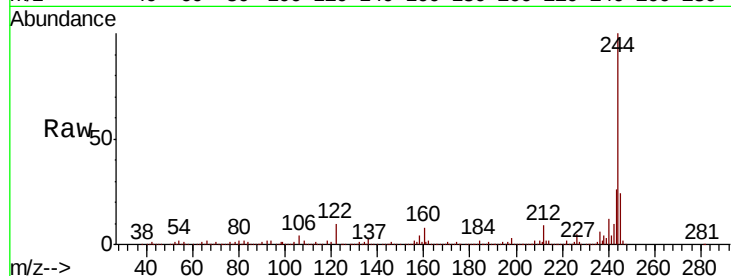
Tot Ion:184 Resp: 26905

Ion Ratio Lower Upper

184 100

185 17.8 11.8 17.8#

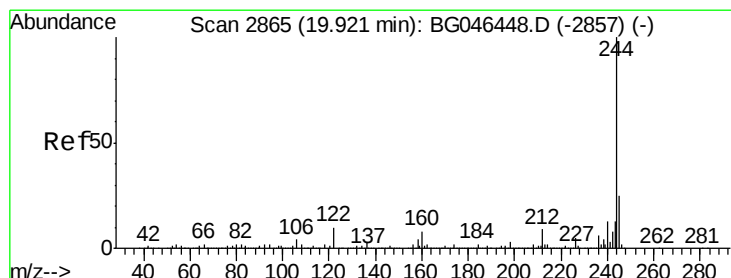
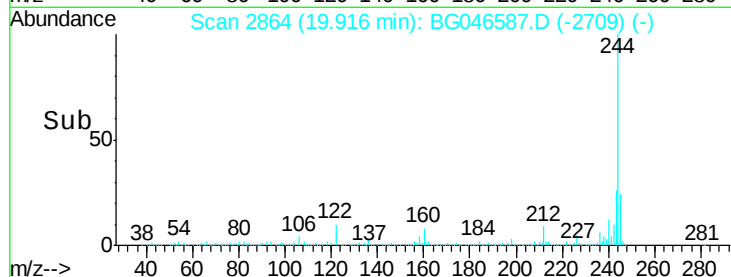
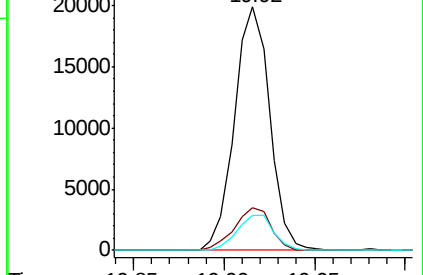
183 14.4 10.7 16.1



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: 77.493 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046587.D

Acq: 10 Sep 2020 18:31

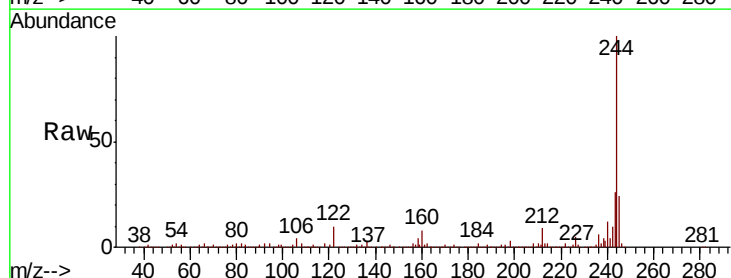
Tgt Ion:244 Resp: 1767281

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

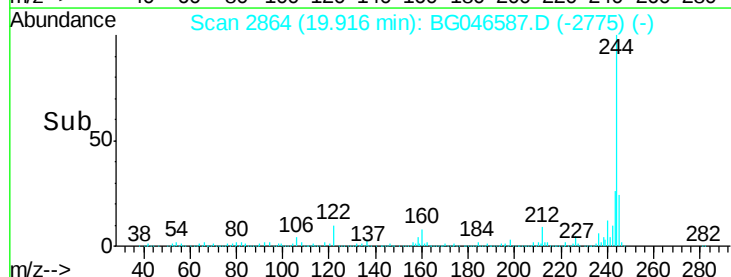
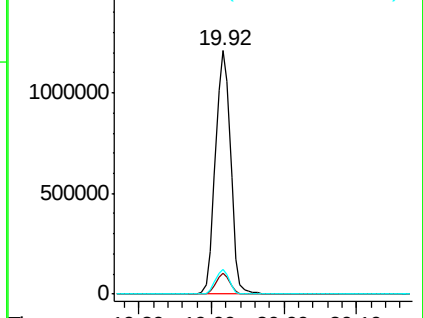
122 10.1 8.2 12.4

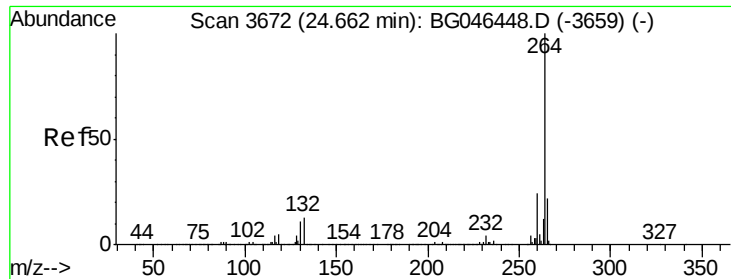


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.65 min Scan# 3670
Delta R.T. -0.00 min
Lab File: BG046587.D
Acq: 10 Sep 2020 18:31

Instrument :
BNA_G
ClientSampleId :
SP-1-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	20.8	17.9	26.9

