

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091020\
 Data File : BG046589.D
 Acq On : 10 Sep 2020 19:52
 Operator : CG/JU
 Sample : L3870-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-090820

Quant Time: Sep 11 00:38:26 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

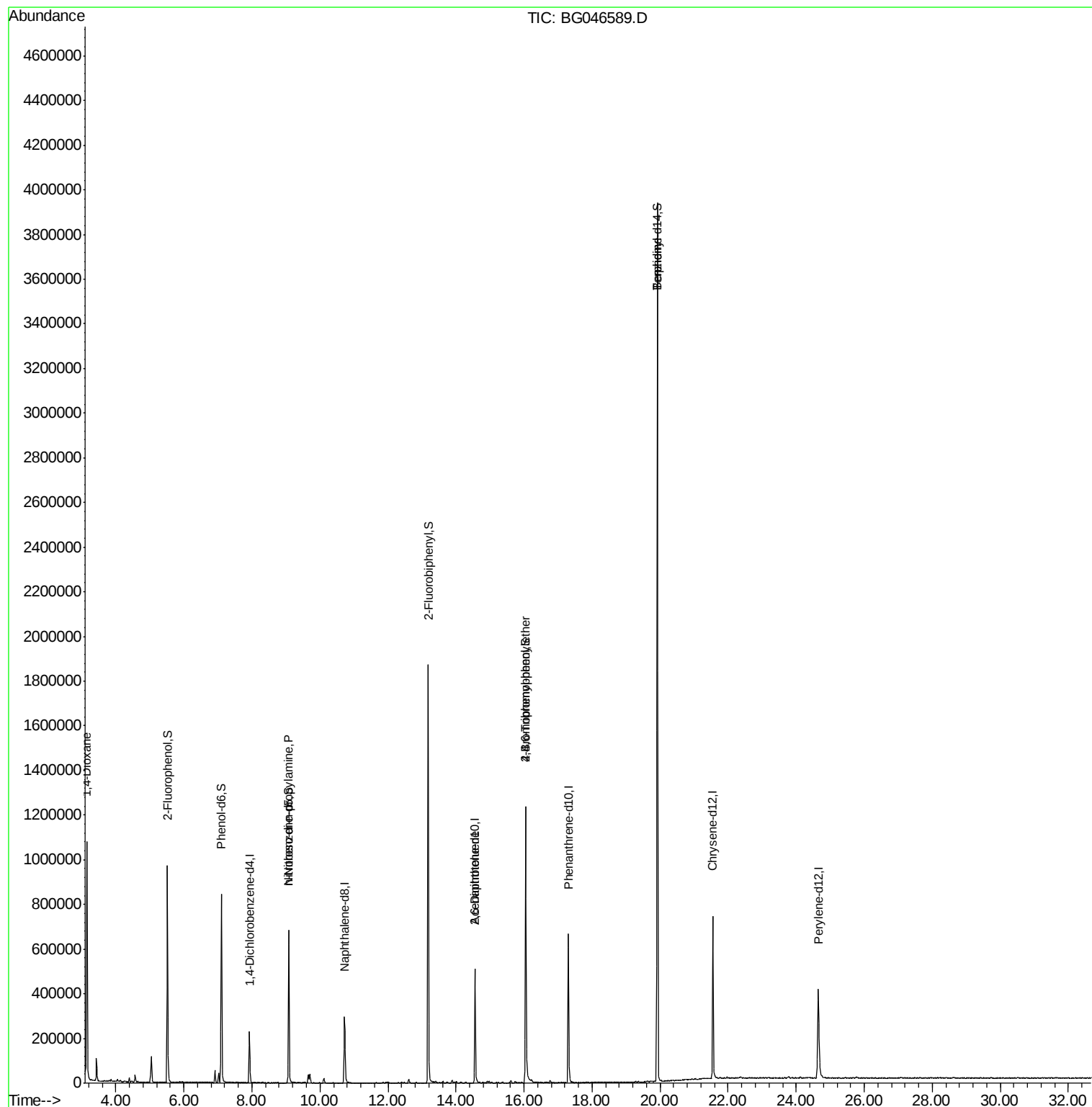
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	74038	20.00	ng	-0.01
21) Naphthalene-d8	10.73	136	294125	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	199666	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	476904	20.00	ng	0.00
76) Chrysene-d12	21.55	240	494286	20.00	ng	0.00
86) Perylene-d12	24.65	264	481994	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	459322	109.88	ng	0.00
7) Phenol-d6	7.10	99	550082	92.83	ng	0.00
23) Nitrobenzene-d5	9.08	82	428567	83.28	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	295050	109.06	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1094465	83.68	ng	0.00
79) Terphenyl-d14	19.92	244	1794474	77.26	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	11157	6.415	ng	# 1
19) n-Nitroso-di-n-propylamine	9.08	70	54453	15.362	ng	# 76
51) 2,6-Dinitrotoluene	14.56	165	26291	7.721	ng	# 33
67) 4-Bromophenyl-phenylether	16.05	248	23046	4.142	ng	# 1
77) Benzidine	19.92	184	27821	2.422	ng	# 93

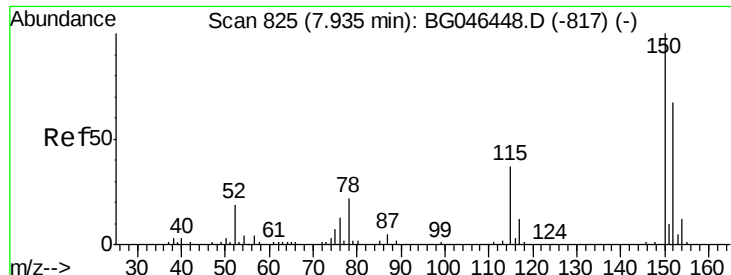
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 02 15:06:53 2020
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.92 min Scan# 823

Delta R.T. -0.01 min

Lab File: BG046589.D

Acq: 10 Sep 2020 19:52

Instrument :

BNA_G

ClientSampleId :

SU-04-090820

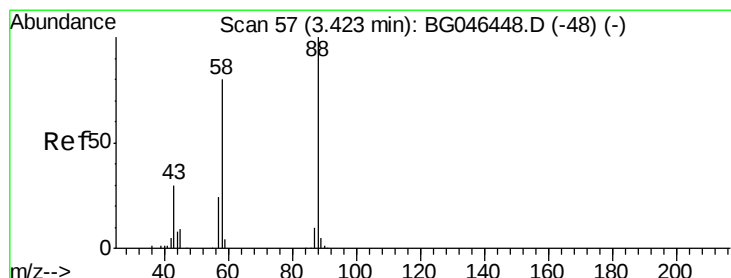
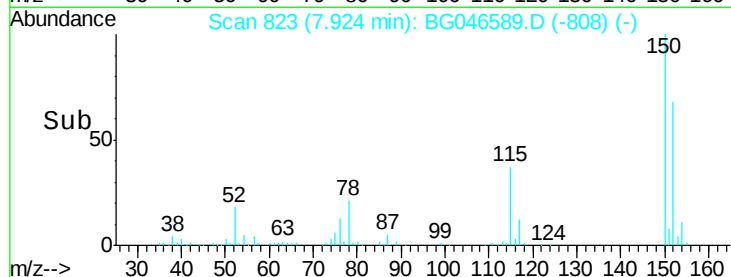
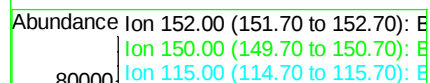
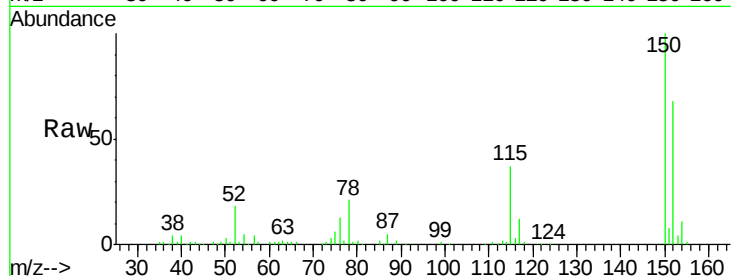
Tot Ion:152 Resp: 74038

Ion Ratio Lower Upper

152 100

150 148.0 119.5 179.3

115 54.2 44.3 66.5



#2

1,4-Dioxane

Concen: 6.415 ng

RT: 3.15 min Scan# 11

Delta R.T. -0.27 min

Lab File: BG046589.D

Acq: 10 Sep 2020 19:52

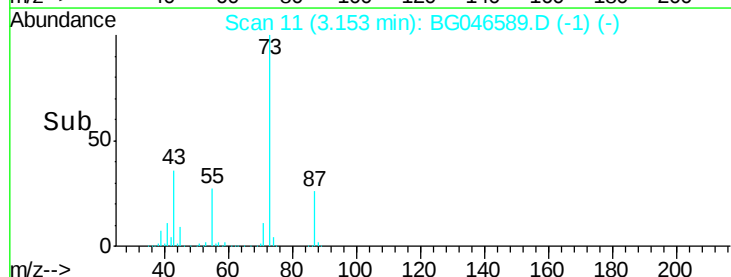
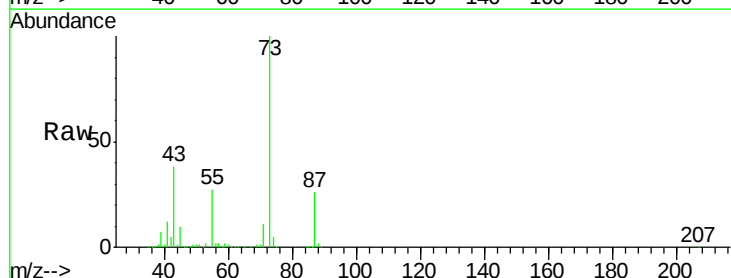
Tgt Ion: 88 Resp: 11157

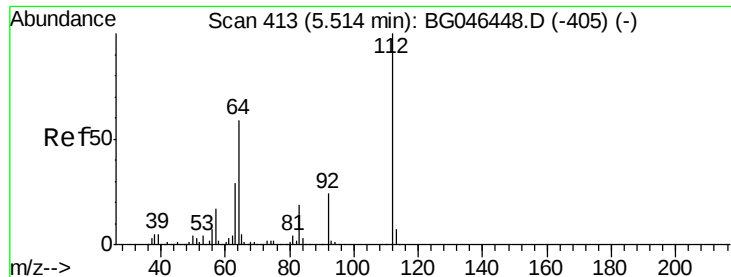
Ion Ratio Lower Upper

88 100

58 29.5 61.4 92.2#

43 2467.2 21.6 32.4#





#5

2-Fluorophenol

Concen: 109.882 ng

RT: 5.52 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046589.D

Acq: 10 Sep 2020 19:52

Instrument :

BNA_G

ClientSampleId :

SU-04-090820

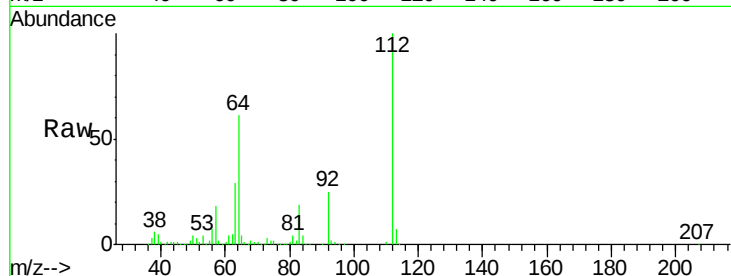
Tot Ion:112 Resp: 459322

Ion Ratio Lower Upper

112 100

64 60.8 47.0 70.6

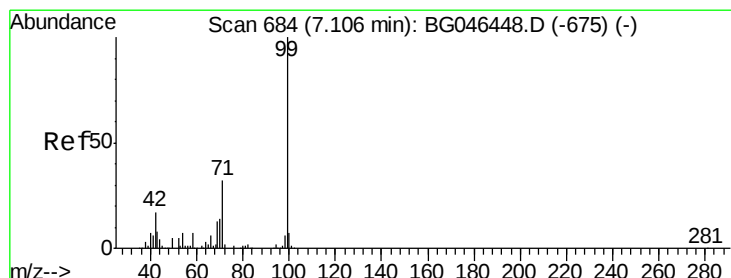
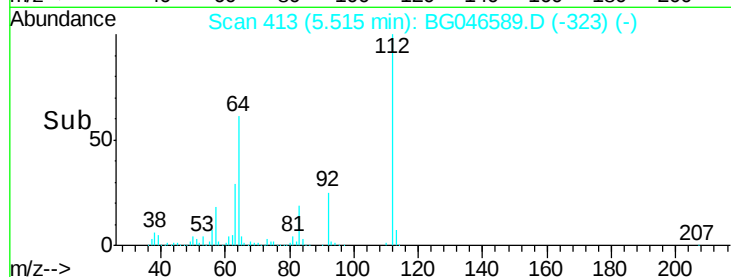
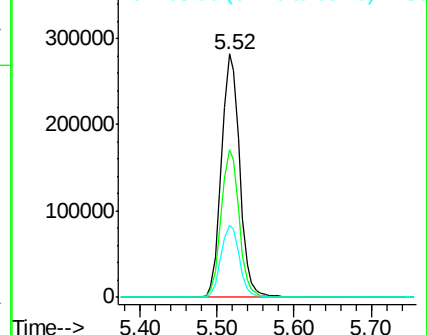
63 29.4 23.5 35.3



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: 92.829 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046589.D

Acq: 10 Sep 2020 19:52

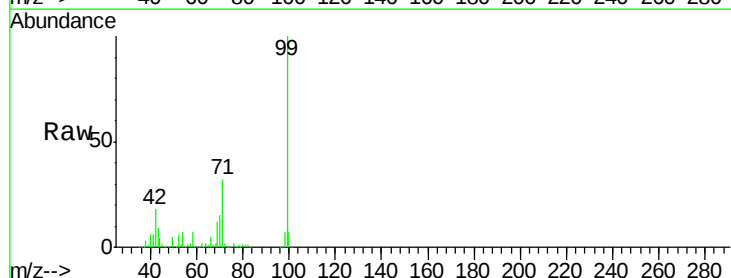
Tgt Ion: 99 Resp: 550082

Ion Ratio Lower Upper

99 100

42 17.8 13.3 19.9

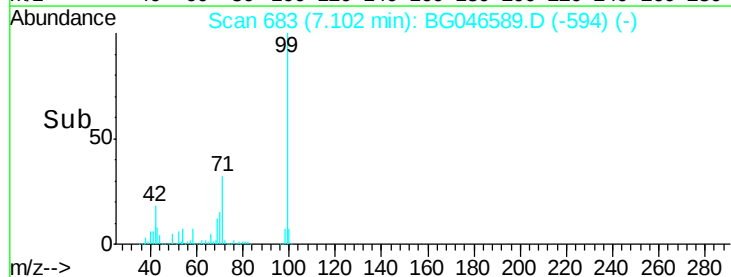
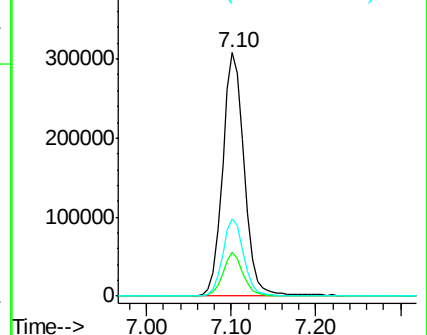
71 31.9 25.3 37.9

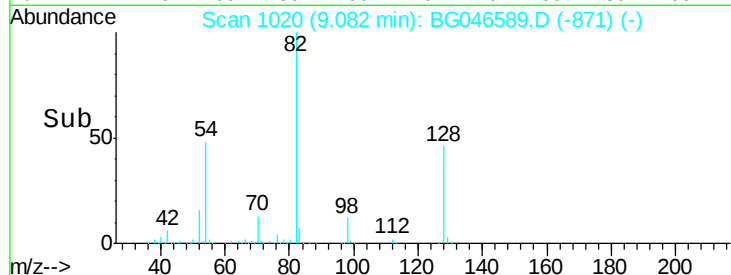
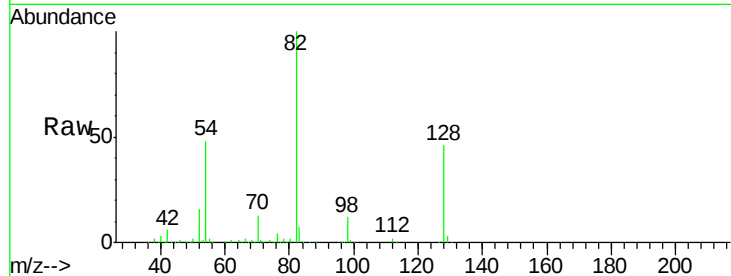
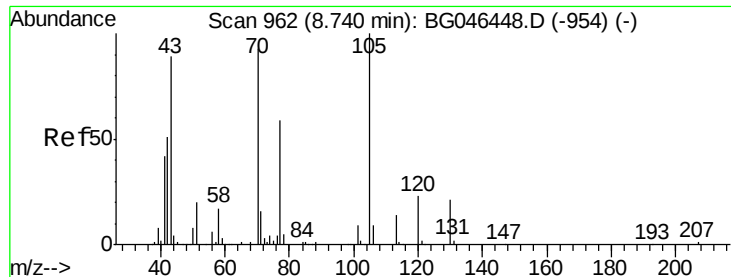


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

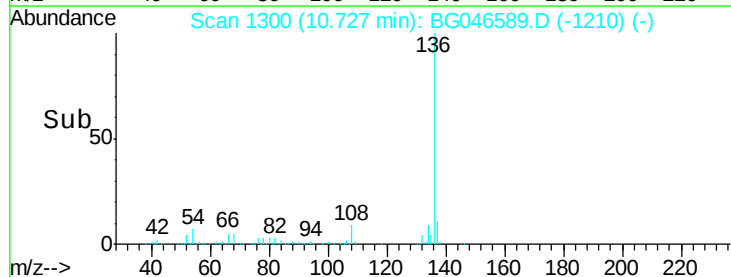
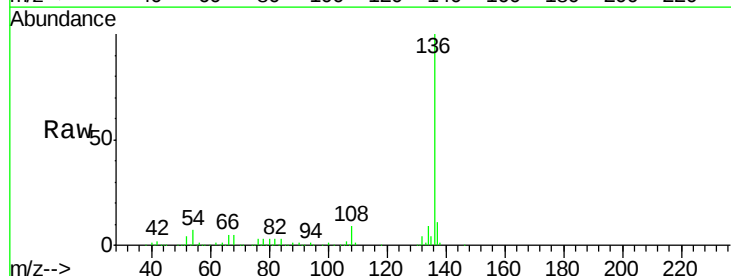
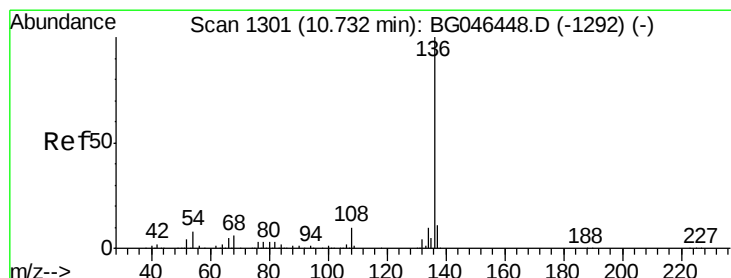
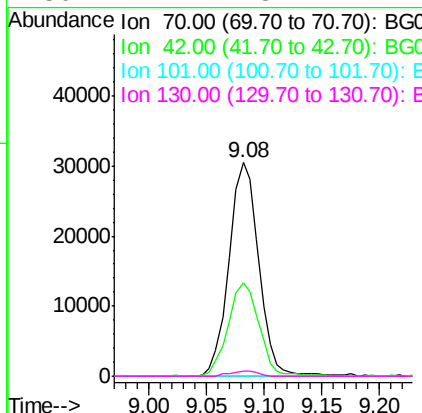




#19
n-Nitroso-di-n-propylamine
Concen: 15.362 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.35 min
Lab File: BG046589.D
Acq: 10 Sep 2020 19:52

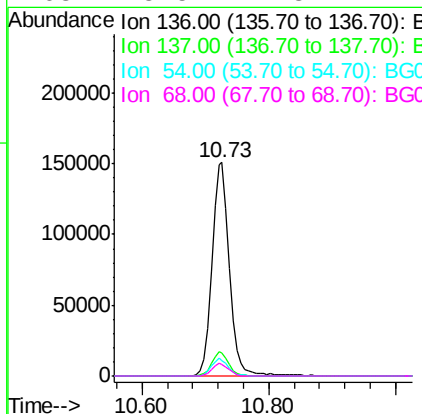
Instrument :
BNA_G
ClientSampleId :
SU-04-090820

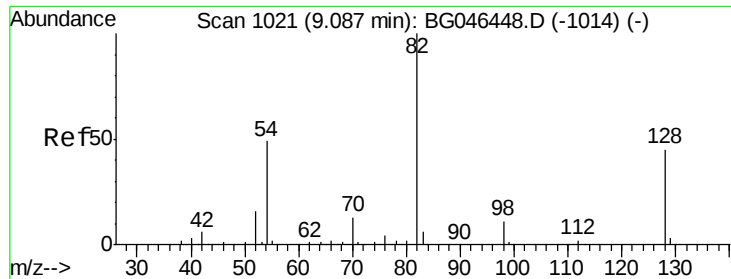
Tot Ion: 70 Resp: 54453
Ion Ratio Lower Upper
70 100
42 44.0 44.2 66.2#
101 0.0 7.8 11.8#
130 2.1 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG046589.D
Acq: 10 Sep 2020 19:52

Tgt Ion: 136 Resp: 294125
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.5 6.1 9.1
68 5.5 4.8 7.2

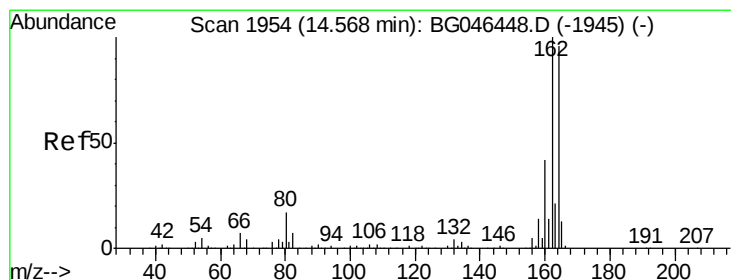
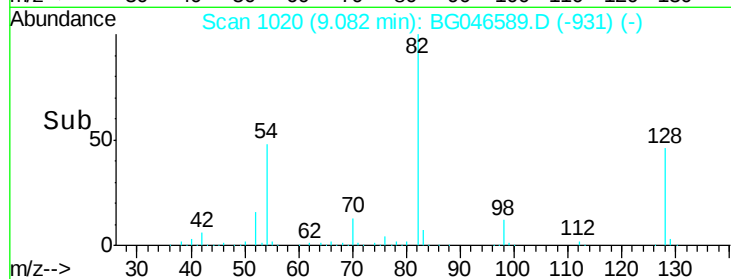
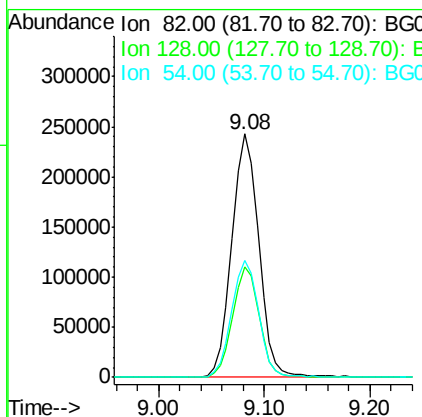
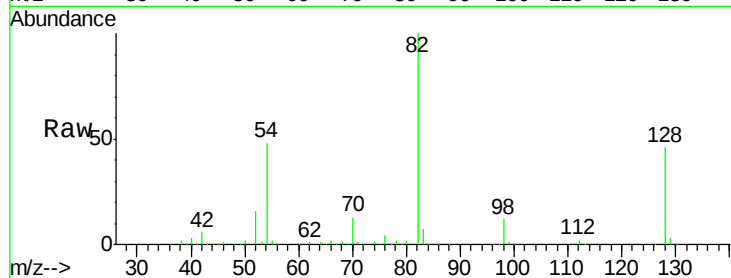




#23
Nitrobenzene-d5
Concen: 83.280 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG046589.D
Acq: 10 Sep 2020 19:52

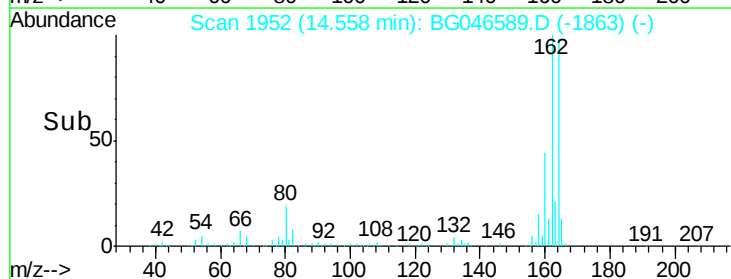
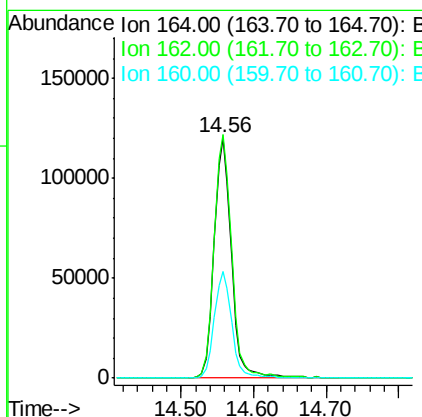
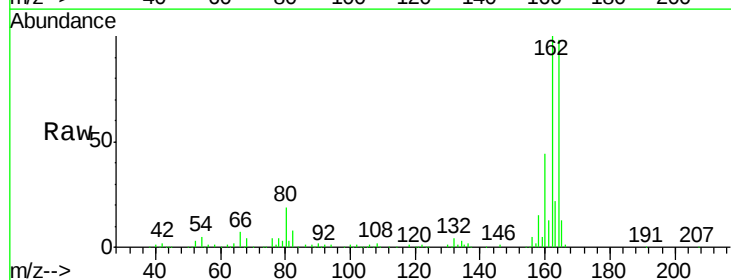
Instrument :
BNA_G
ClientSampleId :
SU-04-090820

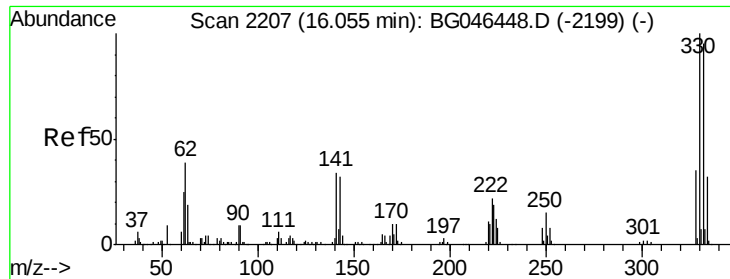
Tot Ion	82	Resp	428567
Ion Ratio	100		
Lower	35.7		
Upper	53.5		
128	45.6		
54	47.8		
	39.4		
	59.0		



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BG046589.D
Acq: 10 Sep 2020 19:52

Tgt Ion	164	Resp	199666
Ion Ratio	100		
Lower	83.3		
Upper	124.9		
162	101.5		
160	44.5		
	35.0		
	52.6		

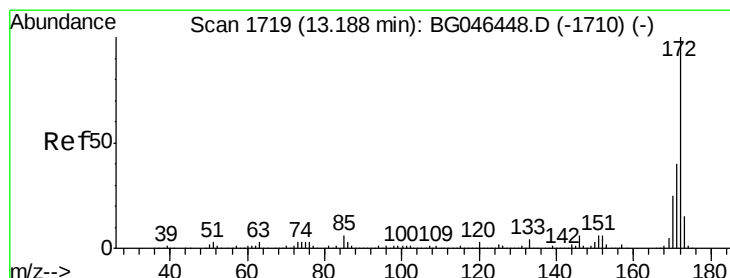
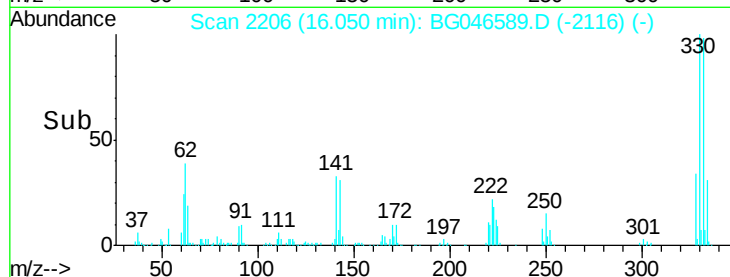
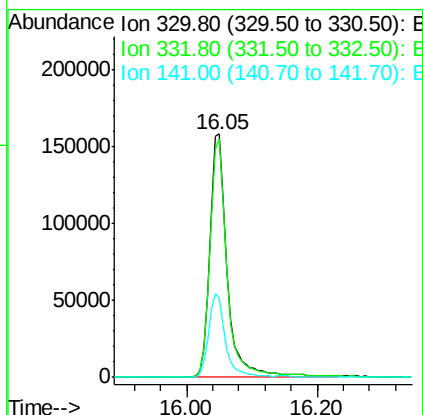
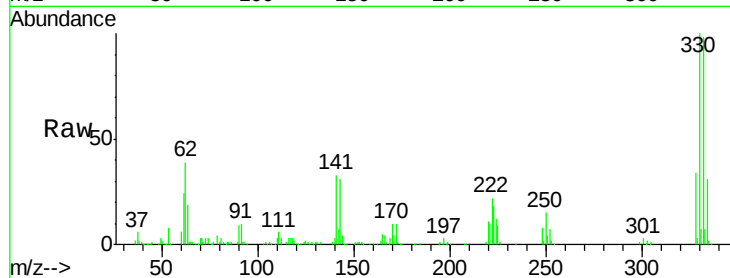




#42
 2,4,6-Tribromophenol
 Concen: 109.062 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG046589.D
 Acq: 10 Sep 2020 19:52

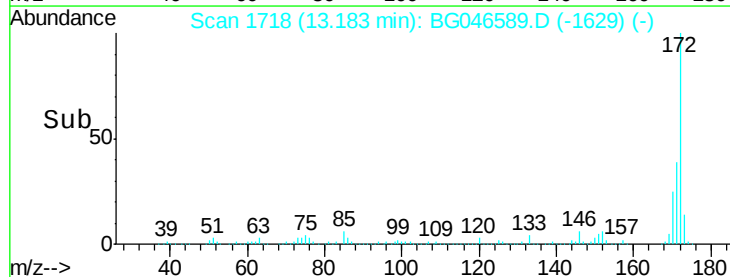
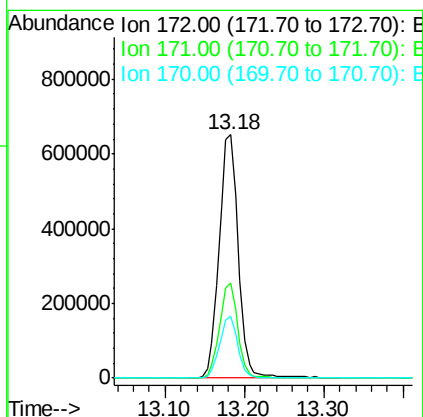
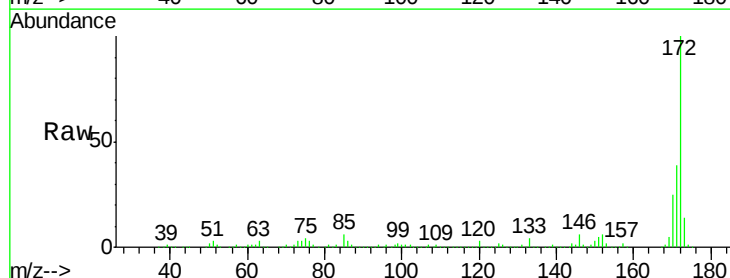
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-090820

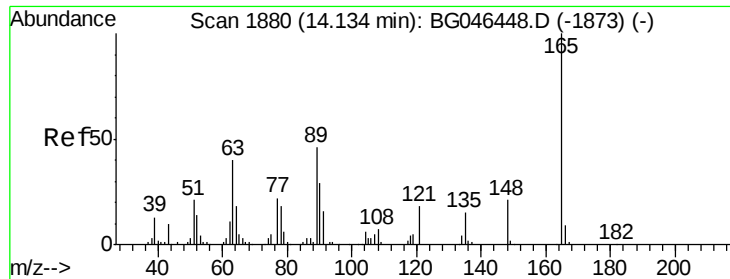
Tot Ion:330 Resp: 295050
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.1 114.1
 141 32.8 26.1 39.1



#45
 2-Fluorobiphenyl
 Concen: 83.678 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046589.D
 Acq: 10 Sep 2020 19:52

Tgt Ion:172 Resp: 1094465
 Ion Ratio Lower Upper
 172 100
 171 39.0 31.8 47.6
 170 25.2 20.3 30.5

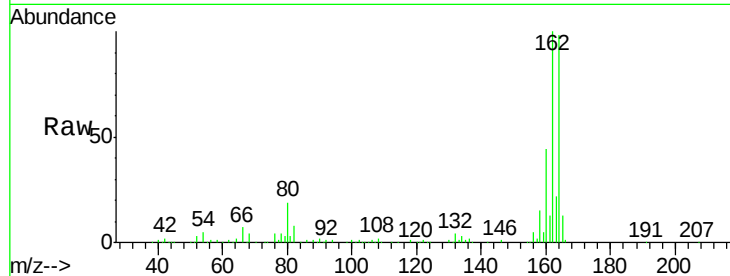




#51
 2,6-Dinitrotoluene
 Concen: 7.721 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.42 min
 Lab File: BG046589.D
 Acq: 10 Sep 2020 19:52

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-090820

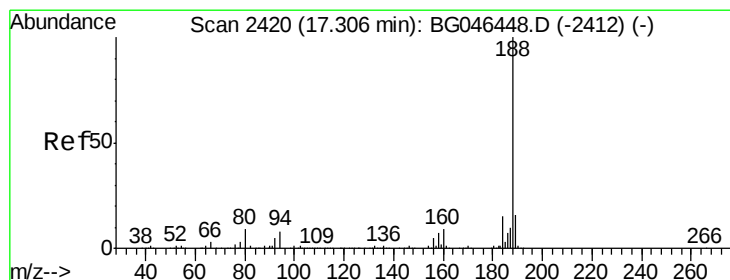
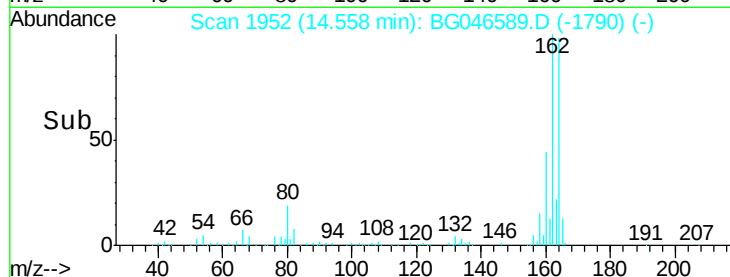
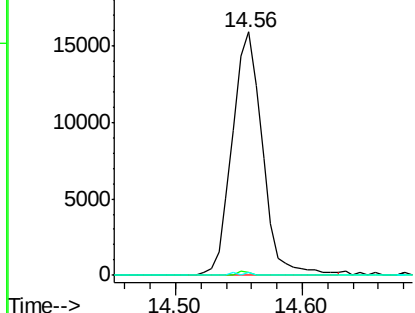
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.2	51.4#
89	1.2	37.0	55.4#



Abundance Ion 165.00 (164.70 to 165.70): E

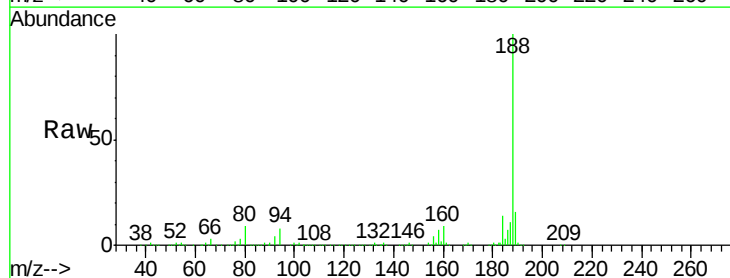
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG046589.D
 Acq: 10 Sep 2020 19:52

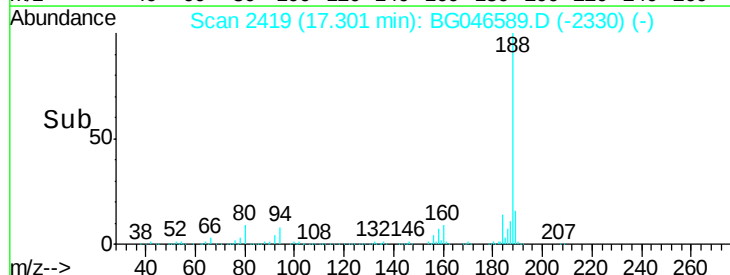
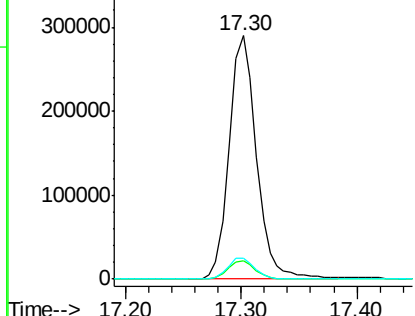
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.3	9.5
80	8.8	6.9	10.3

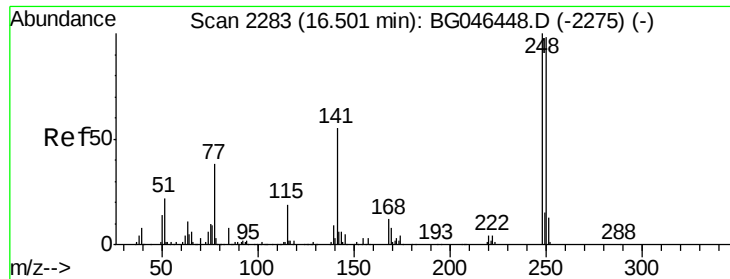


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

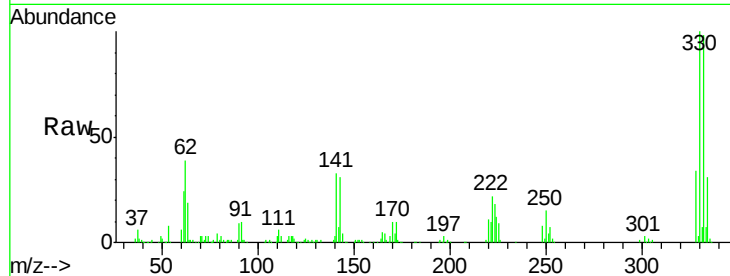




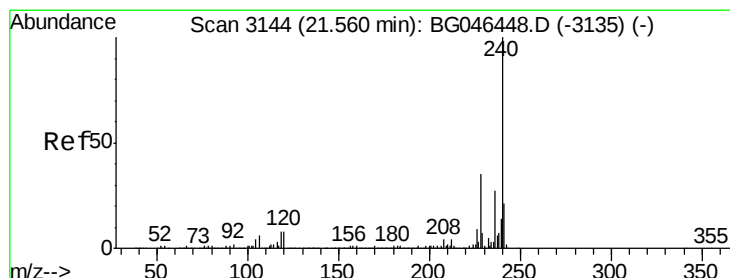
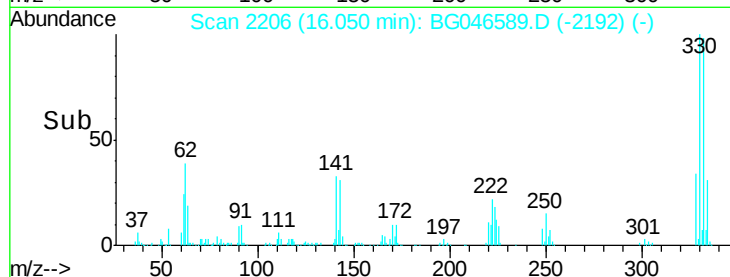
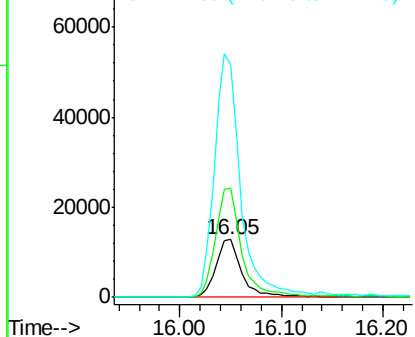
#67
4-Bromophenyl-phenylether
Concen: 4.142 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.45 min
Lab File: BG046589.D
Acq: 10 Sep 2020 19:52

Instrument :
BNA_G
ClientSampleId :
SU-04-090820

Tot Ion:248 Resp: 23046
Ion Ratio Lower Upper
248 100
250 188.3 78.6 118.0#
141 402.1 43.9 65.9#

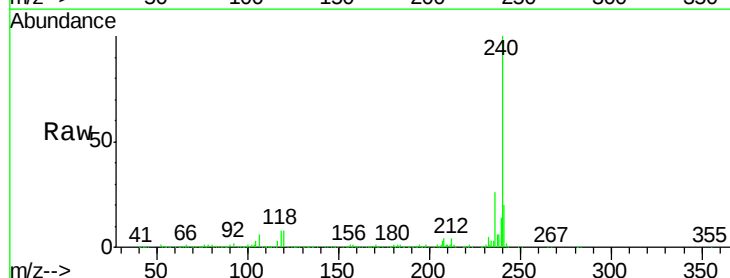


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

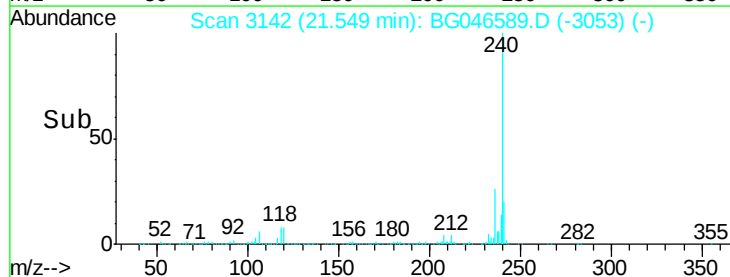
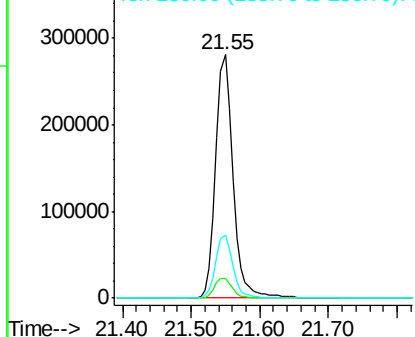


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG046589.D
Acq: 10 Sep 2020 19:52

Tgt Ion:240 Resp: 494286
Ion Ratio Lower Upper
240 100
120 8.2 6.6 10.0
236 26.2 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: 2.422 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.38 min

Lab File: BG046589.D

Acq: 10 Sep 2020 19:52

Instrument :

BNA_G

ClientSampleId :

SU-04-090820

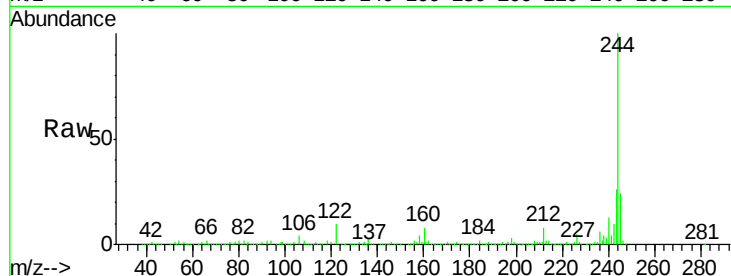
Tot Ion:184 Resp: 27821

Ion Ratio Lower Upper

184 100

185 19.0 11.8 17.8#

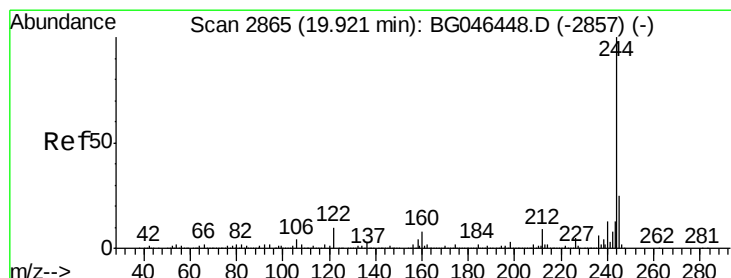
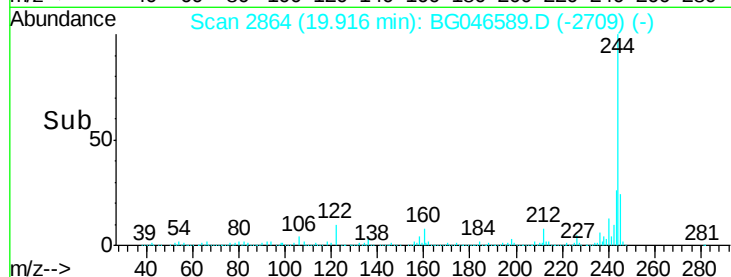
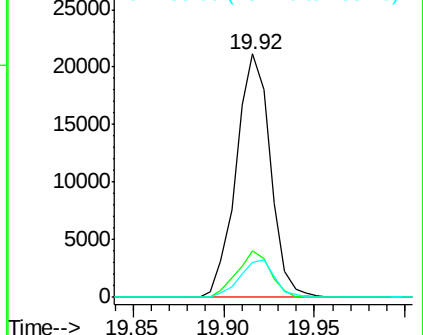
183 14.4 10.7 16.1



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: 77.262 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046589.D

Acq: 10 Sep 2020 19:52

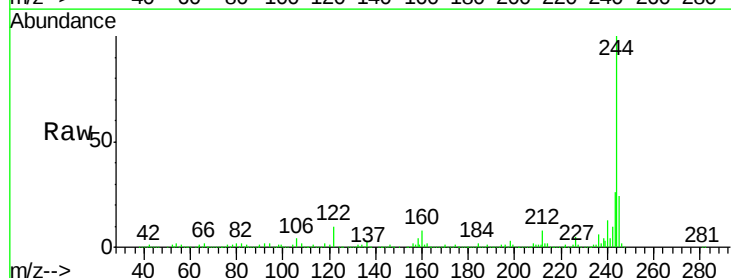
Tgt Ion:244 Resp: 1794474

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

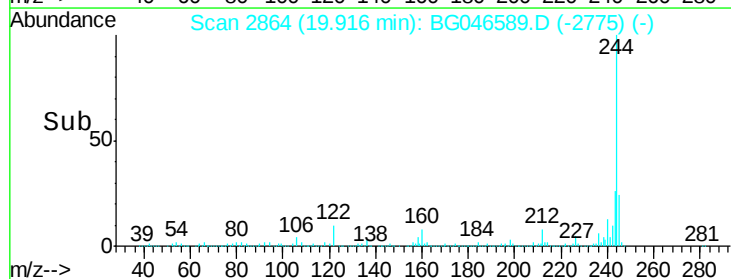
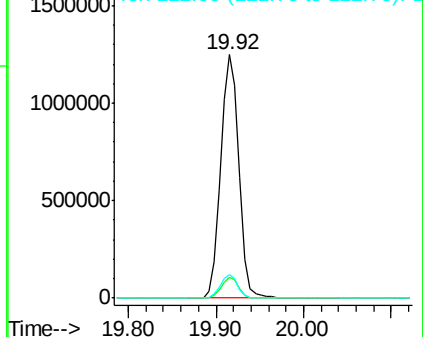
122 9.8 8.2 12.4

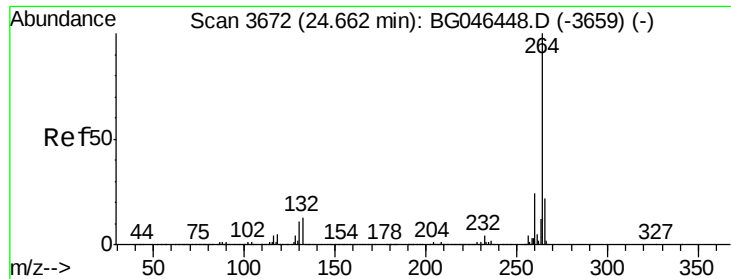


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3669
Delta R.T. -0.01 min
Lab File: BG046589.D
Acq: 10 Sep 2020 19:52

Instrument :
BNA_G
ClientSampleId :
SU-04-090820

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.3	17.9	26.9

