

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082620\
 Data File : BG046462.D
 Acq On : 26 Aug 2020 20:32
 Operator : CG/JU
 Sample : L3784-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-11

Quant Time: Aug 27 01:33:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 25 18:00:34 2020
 Response via : Initial Calibration

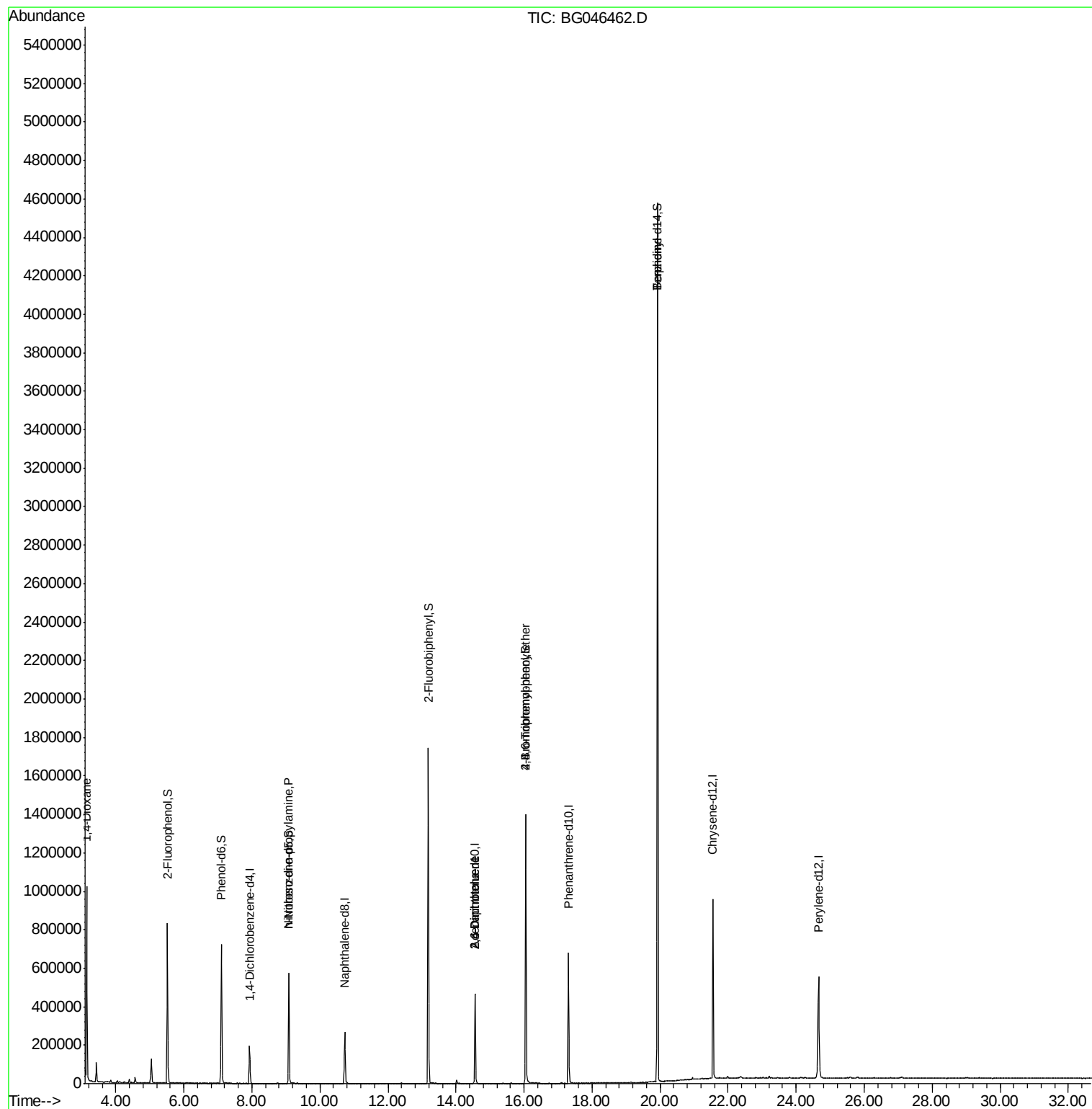
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	62360	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	251334	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	174674	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	469991	20.00	ng	0.00
76) Chrysene-d12	21.55	240	575728	20.00	ng	0.00
86) Perylene-d12	24.65	264	573127	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	388652	110.39	ng	0.00
7) Phenol-d6	7.10	99	453496	90.86	ng	0.00
23) Nitrobenzene-d5	9.08	82	371201	84.41	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	295260	124.76	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	953056	83.29	ng	0.00
79) Terphenyl-d14	19.92	244	1970622	72.84	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	8907	6.081	ng	# 1
19) n-Nitroso-di-n-propylamine	9.08	70	48546	16.261	ng	# 75
51) 2,6-Dinitrotoluene	14.56	165	22666	7.609	ng	# 33
57) 2,4-Dinitrotoluene	14.56	165	22666	5.336	ng	# 33
67) 4-Bromophenyl-phenylether	16.05	248	21931	4.000	ng	# 1
77) Benzidine	19.92	184	31945	2.388	ng	96

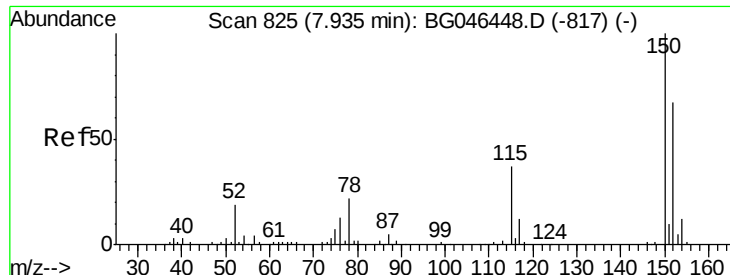
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 9 Sample Multiplier: 1

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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: BG046462.D

Acq: 26 Aug 2020 20:32

Instrument :

BNA_G

ClientSampleId :

RO-11

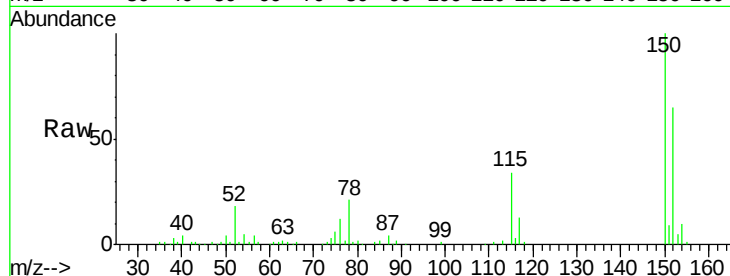
Tot Ion:152 Resp: 62360

Ion Ratio Lower Upper

152 100

150 153.0 119.5 179.3

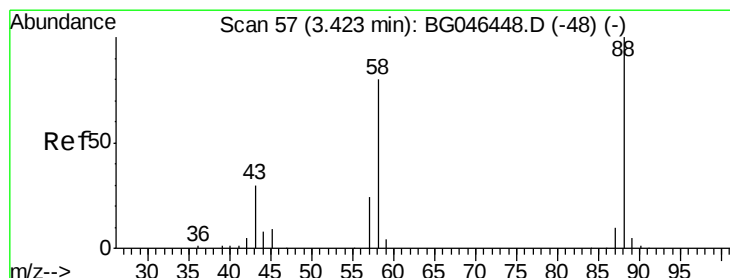
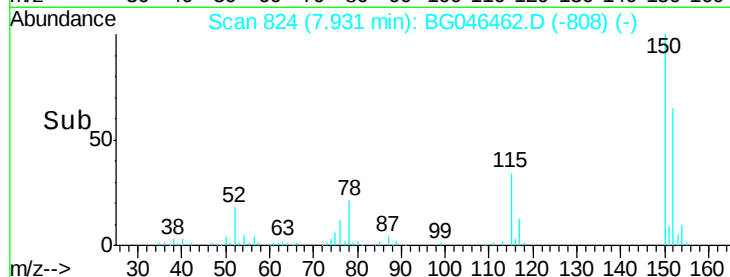
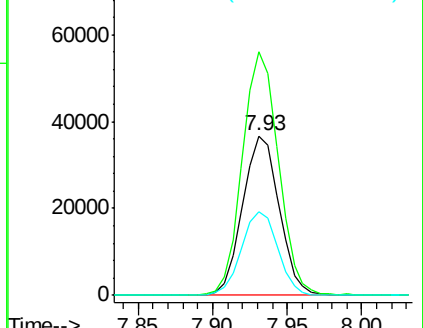
115 52.7 44.3 66.5



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: 6.081 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.28 min

Lab File: BG046462.D

Acq: 26 Aug 2020 20:32

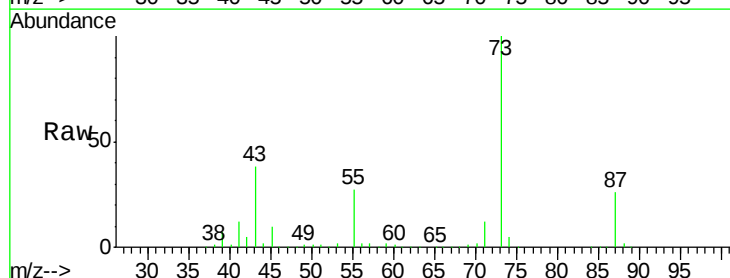
Tgt Ion: 88 Resp: 8907

Ion Ratio Lower Upper

88 100

58 22.4 61.4 92.2#

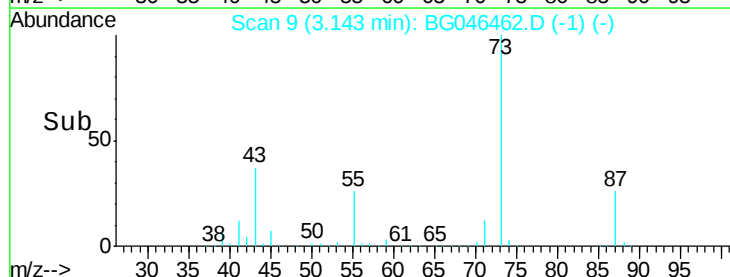
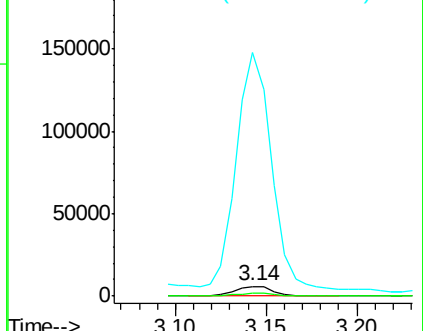
43 2294.9 21.6 32.4#

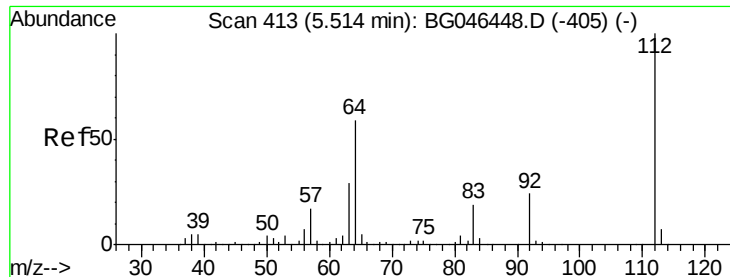


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 110.387 ng

RT: 5.52 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046462.D

Acq: 26 Aug 2020 20:32

Instrument :

BNA_G

ClientSampleId :

RO-11

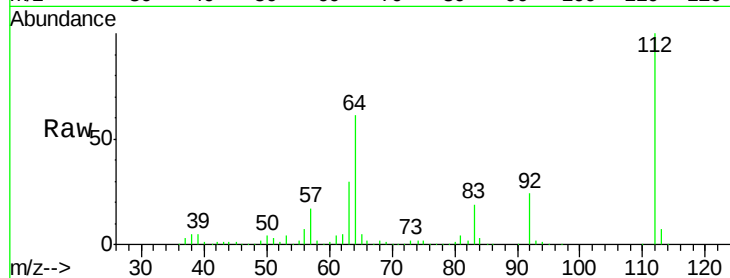
Tot Ion:112 Resp: 388652

Ion Ratio Lower Upper

112 100

64 60.5 47.0 70.6

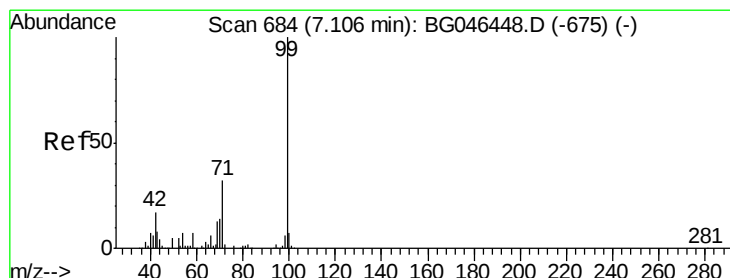
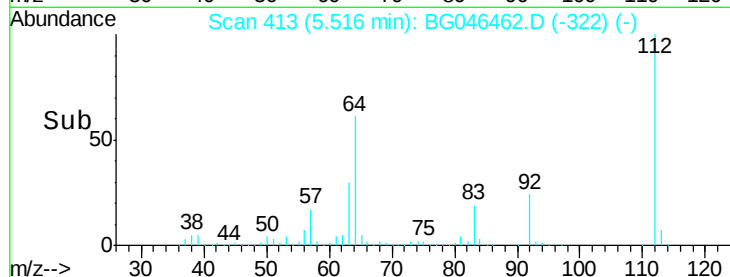
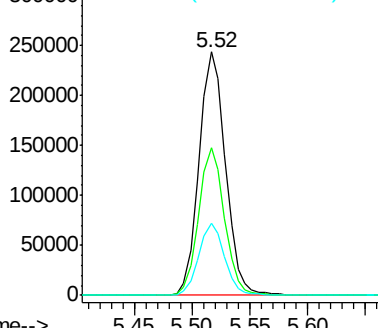
63 29.6 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 90.861 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046462.D

Acq: 26 Aug 2020 20:32

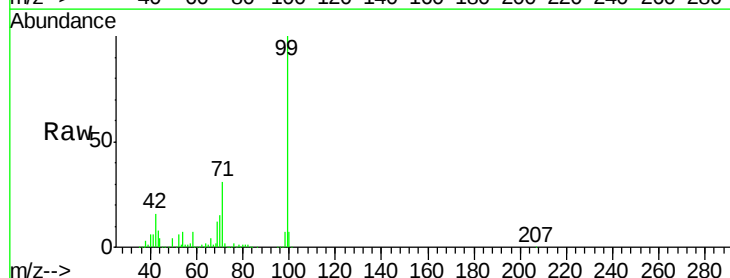
Tgt Ion: 99 Resp: 453496

Ion Ratio Lower Upper

99 100

42 16.3 13.3 19.9

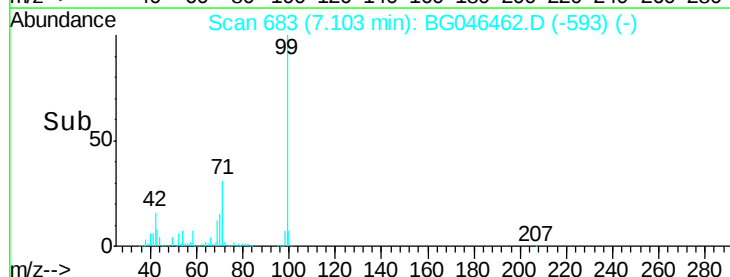
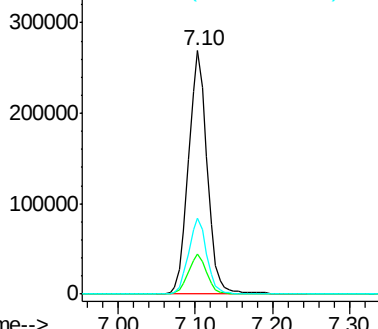
71 31.0 25.3 37.9

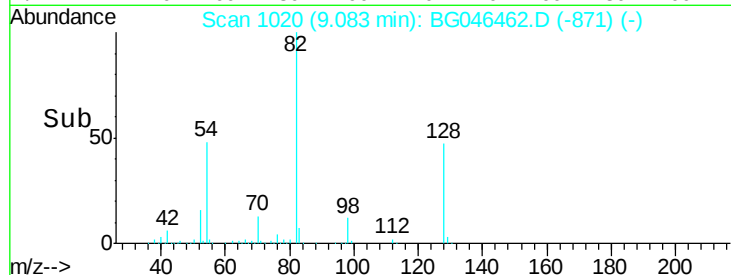
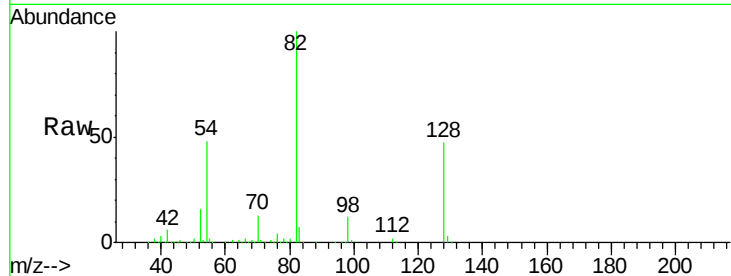
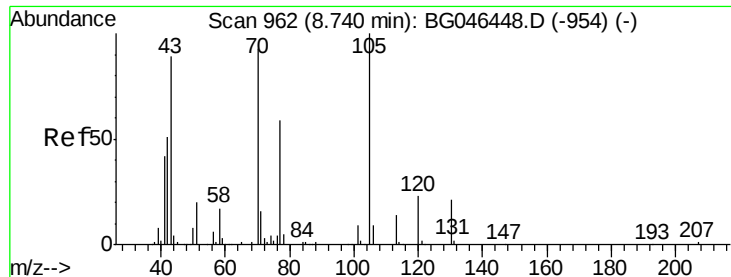


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

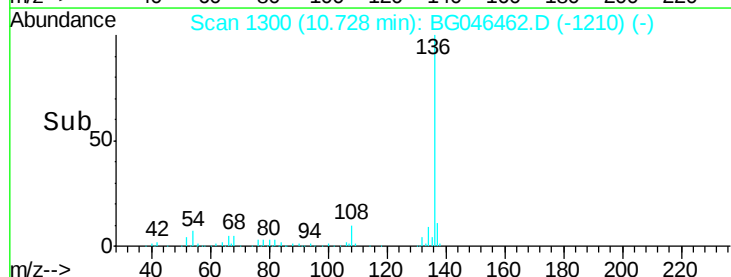
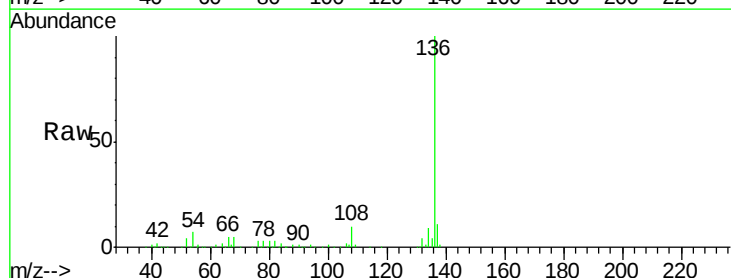
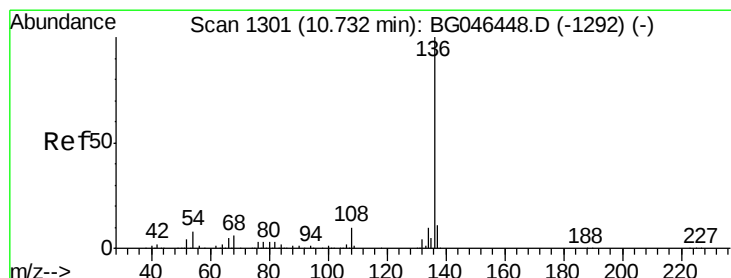
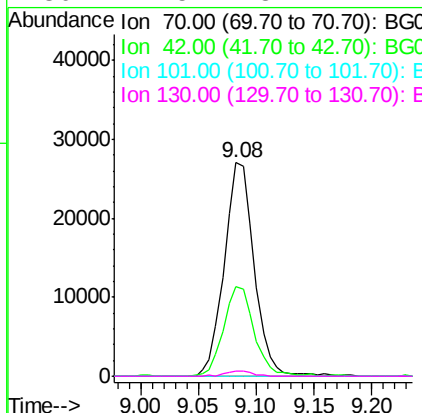




#19
n-Nitroso-di-n-propylamine
Concen: 16.261 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.34 min
Lab File: BG046462.D
Acq: 26 Aug 2020 20:32

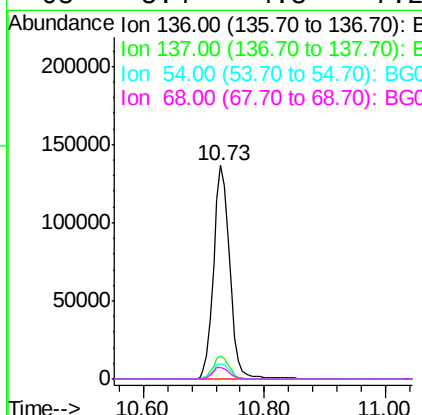
Instrument :
BNA_G
ClientSampleId :
RO-11

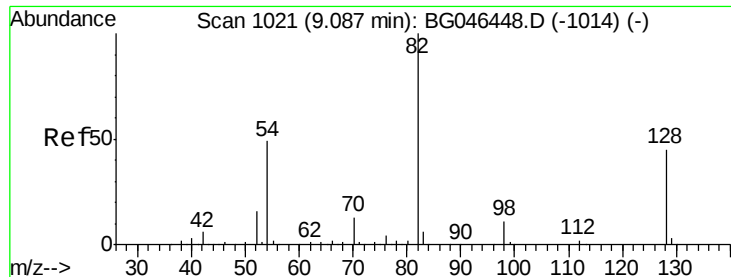
Tot Ion: 70 Resp: 48546
Ion Ratio Lower Upper
70 100
42 42.2 44.2 66.2#
101 0.0 7.8 11.8#
130 2.5 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG046462.D
Acq: 26 Aug 2020 20:32

Tgt Ion:136 Resp: 251334
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.3 6.1 9.1
68 5.4 4.8 7.2

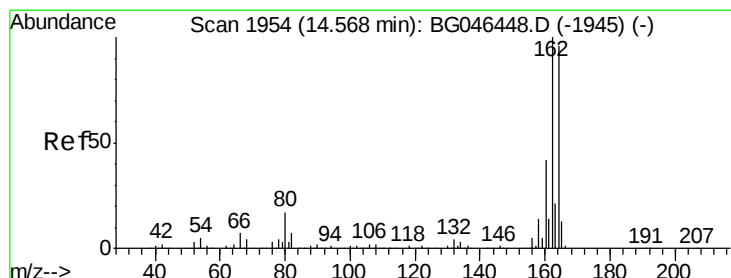
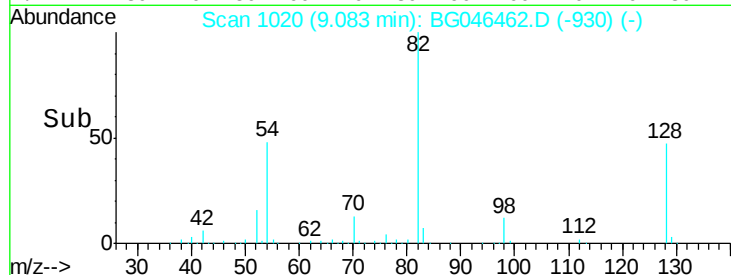
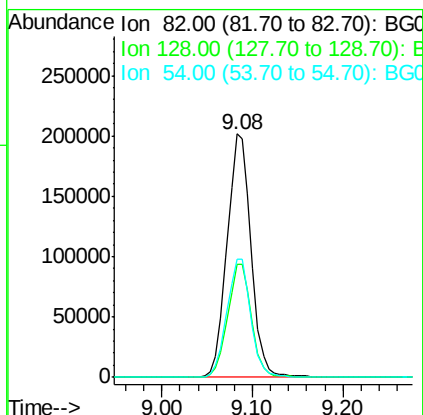
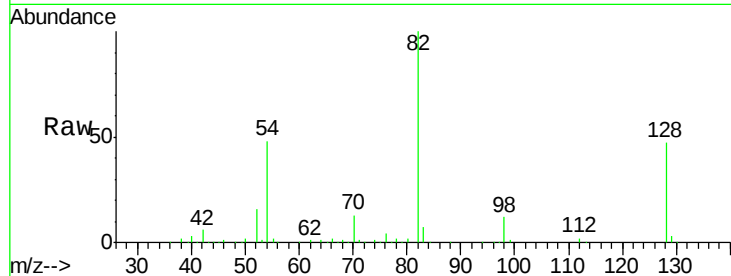




#23
 Nitrobenzene-d5
 Concen: 84.414 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG046462.D
 Acq: 26 Aug 2020 20:32

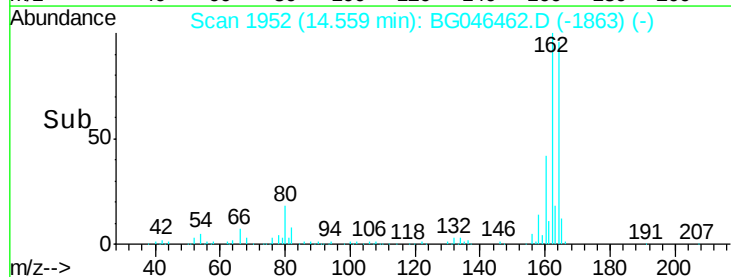
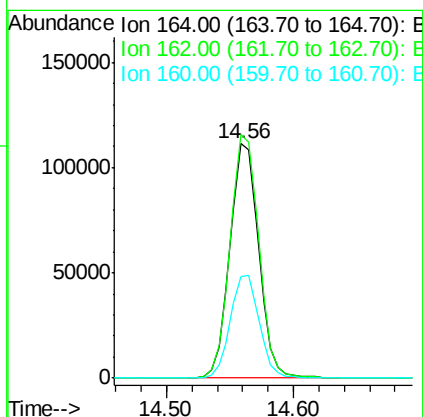
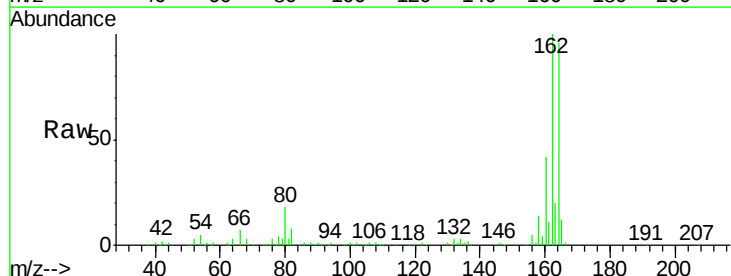
Instrument :
 BNA_G
 ClientSampleId :
 RO-11

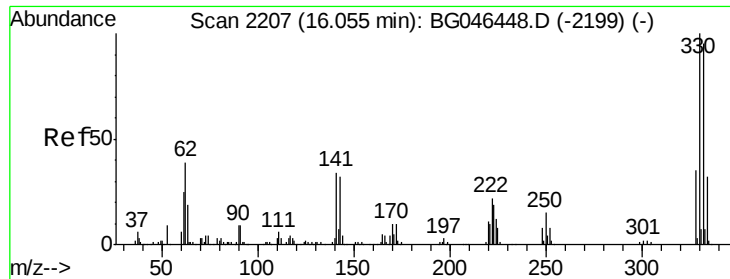
Tot Ion: 82 Resp: 371201
 Ion Ratio Lower Upper
 82 100
 128 46.6 35.7 53.5
 54 48.3 39.4 59.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: BG046462.D
 Acq: 26 Aug 2020 20:32

Tgt Ion: 164 Resp: 174674
 Ion Ratio Lower Upper
 164 100
 162 103.9 83.3 124.9
 160 43.5 35.0 52.6

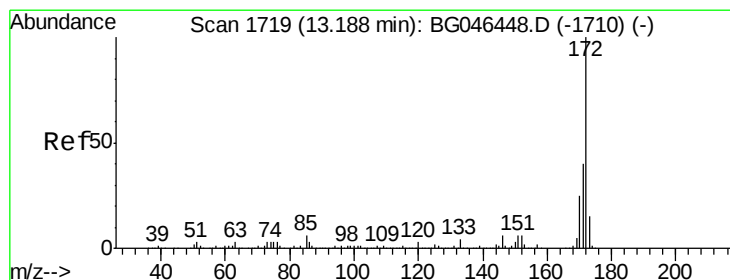
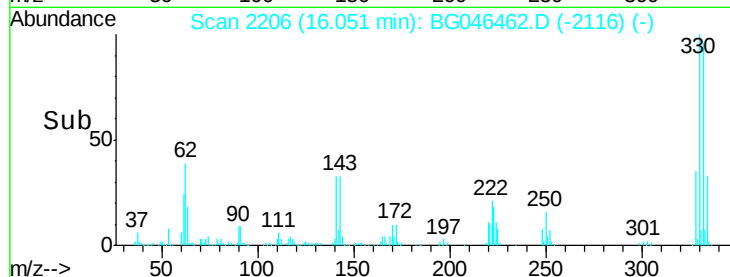
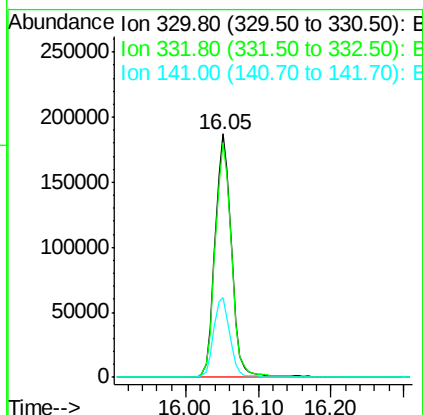
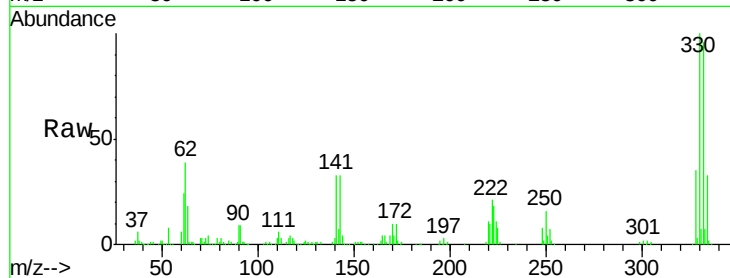




#42
 2,4,6-Tribromophenol
 Concen: 124.755 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BG046462.D
 Acq: 26 Aug 2020 20:32

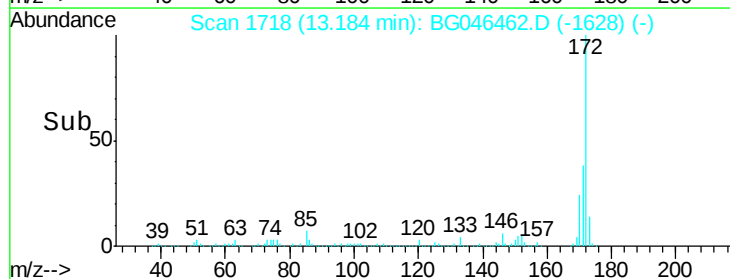
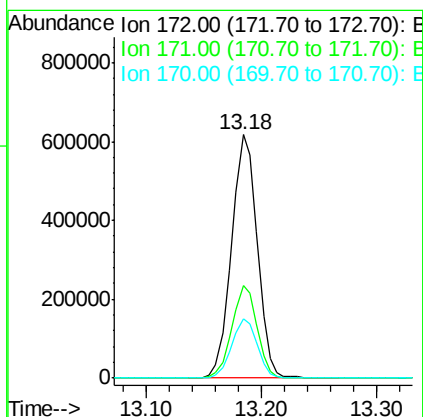
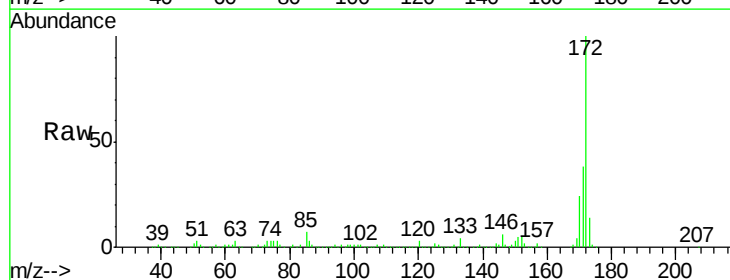
Instrument :
 BNA_G
 ClientSampled :
 RO-11

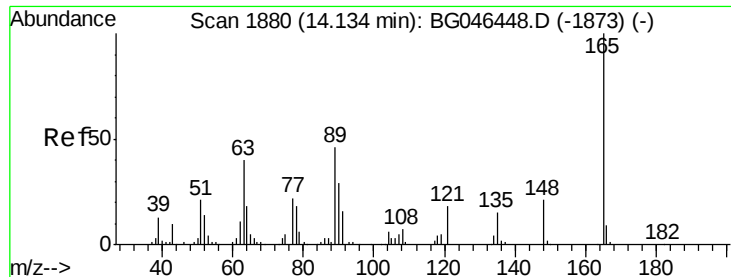
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.1	114.1
141	32.6	26.1	39.1



#45
 2-Fluorobiphenyl
 Concen: 83.292 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046462.D
 Acq: 26 Aug 2020 20:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.8	47.6
170	24.3	20.3	30.5

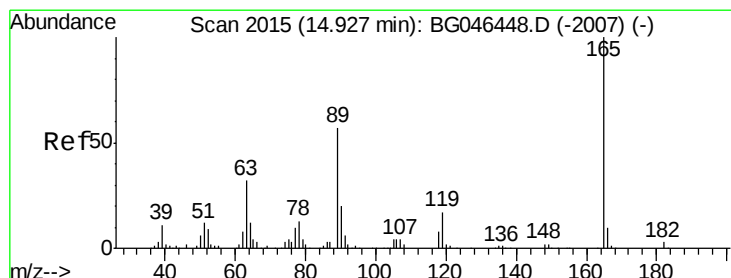
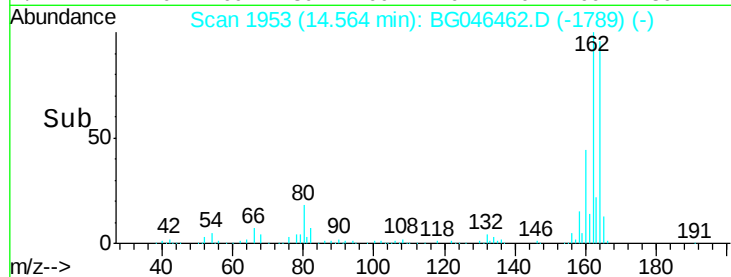
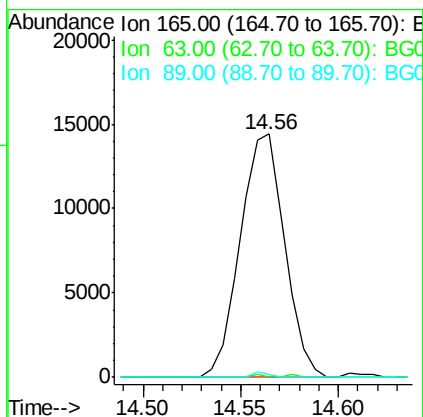
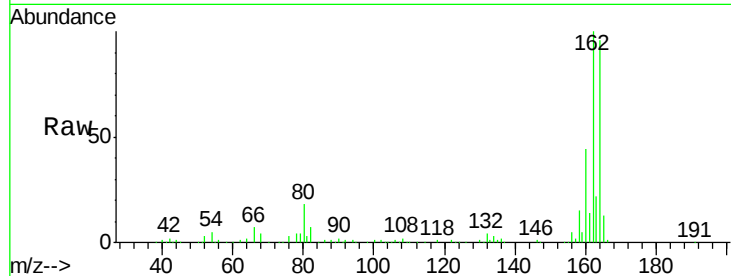




#51
 2,6-Dinitrotoluene
 Concen: 7.609 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.43 min
 Lab File: BG046462.D
 Acq: 26 Aug 2020 20:32

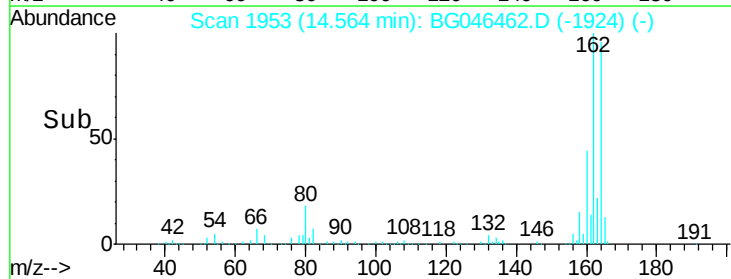
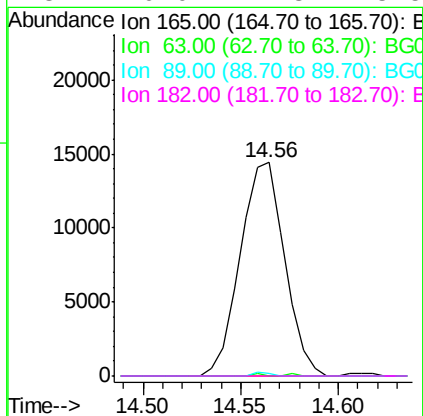
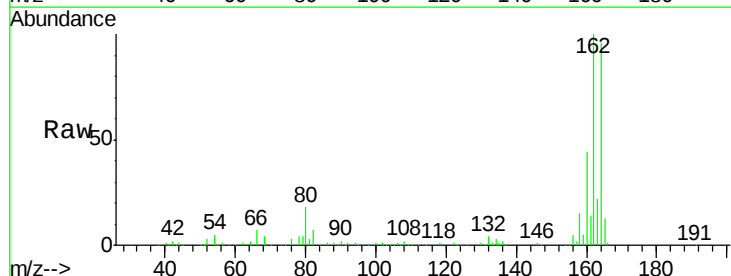
Instrument :
 BNA_G
 ClientSampleId :
 RO-11

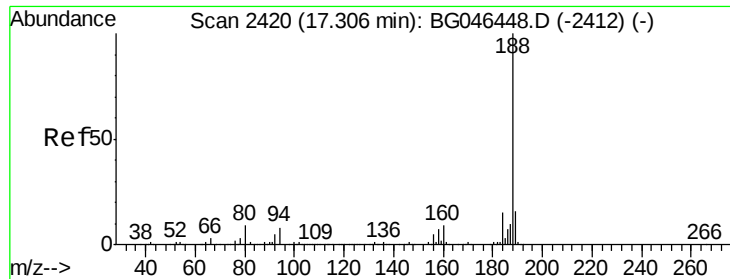
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.2	51.4#
89	1.4	37.0	55.4#



#57
 2,4-Dinitrotoluene
 Concen: 5.336 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.36 min
 Lab File: BG046462.D
 Acq: 26 Aug 2020 20:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.4	45.9	68.9#
182	0.0	2.3	3.5#

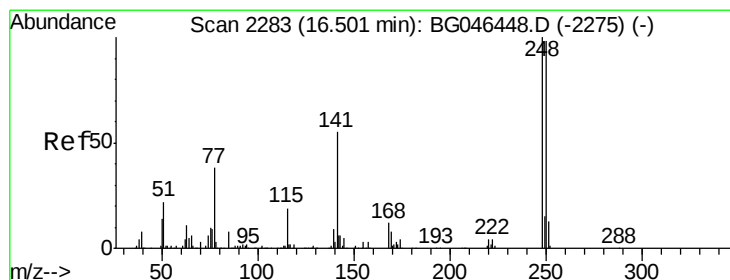
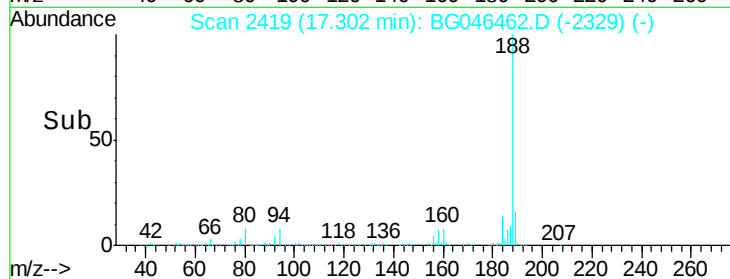
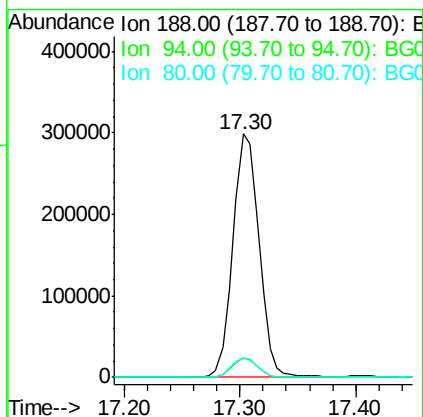
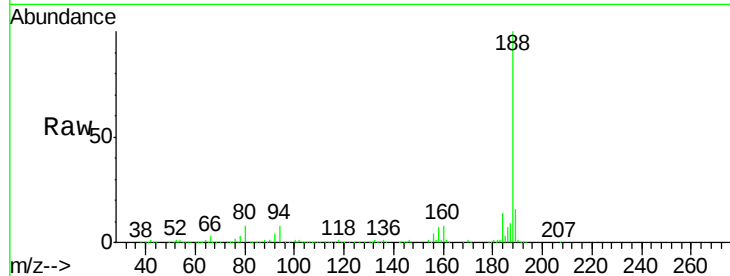




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG046462.D
 Acq: 26 Aug 2020 20:32

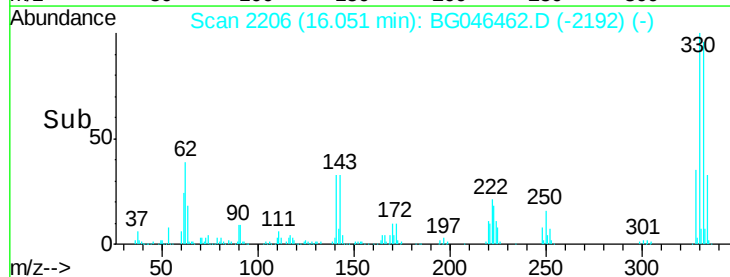
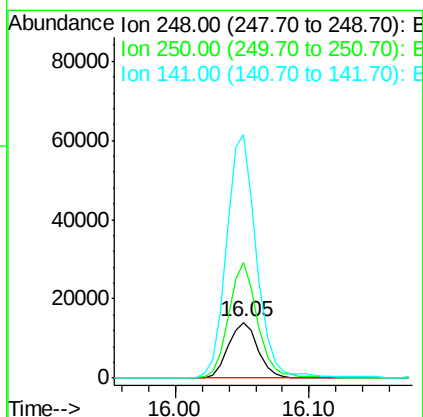
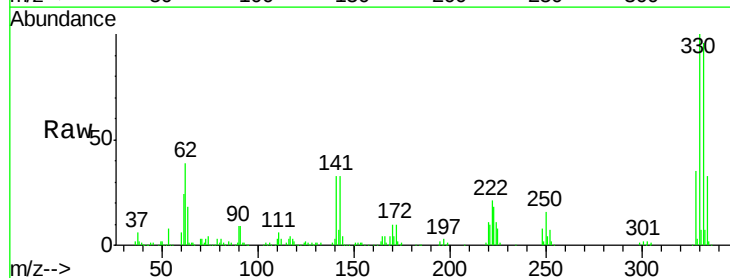
Instrument :
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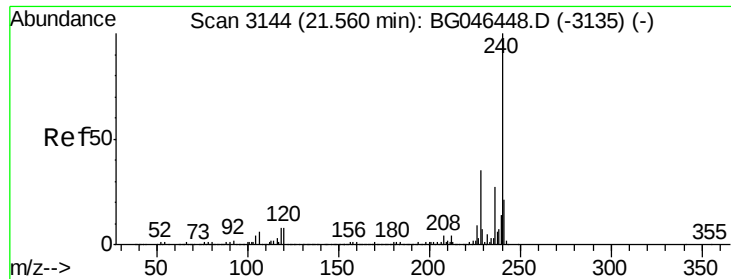
Tot Ion:188 Resp: 469991
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.3 9.5
 80 8.2 6.9 10.3



#67
 4-Bromophenyl-phenylether
 Concen: 4.000 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.45 min
 Lab File: BG046462.D
 Acq: 26 Aug 2020 20:32

Tgt Ion:248 Resp: 21931
 Ion Ratio Lower Upper
 248 100
 250 206.4 78.6 118.0#
 141 436.4 43.9 65.9#

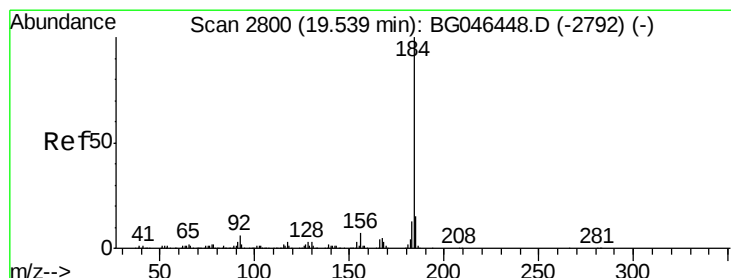
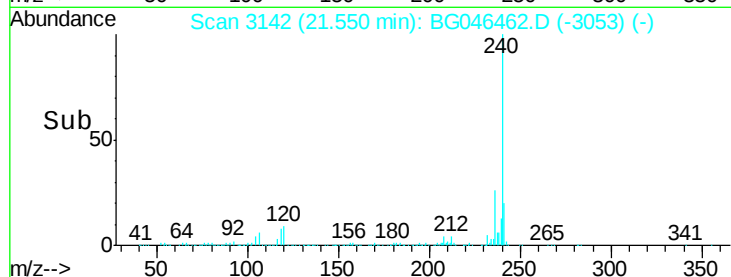
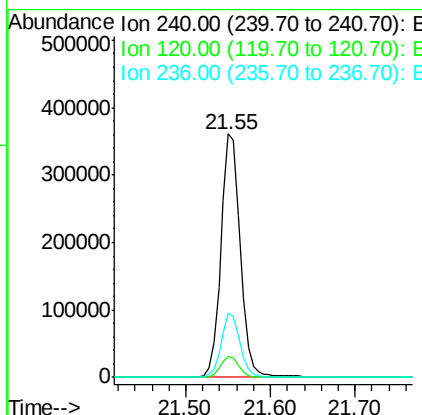
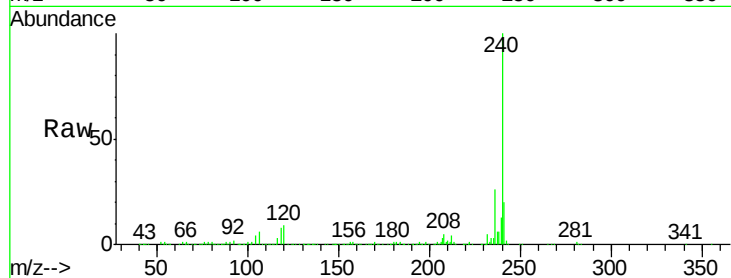




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG046462.D
Acq: 26 Aug 2020 20:32

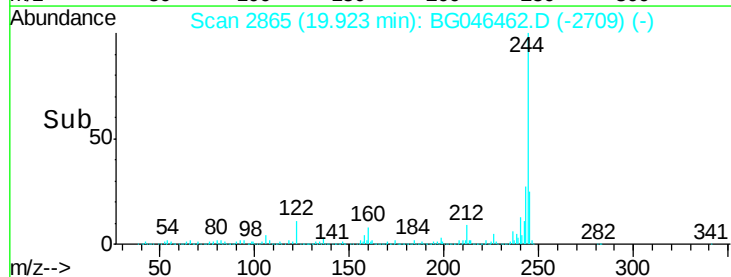
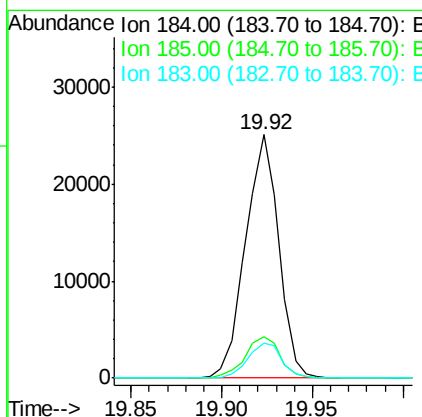
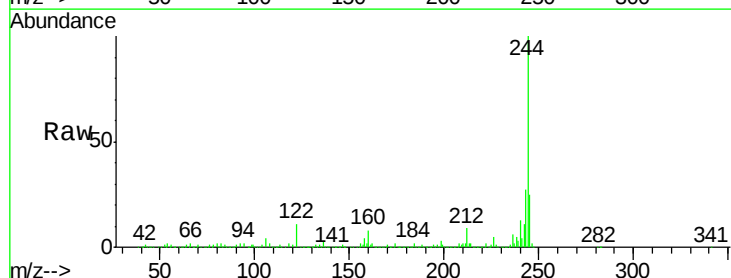
Instrument :
BNA_G
ClientSampleId :
RO-11

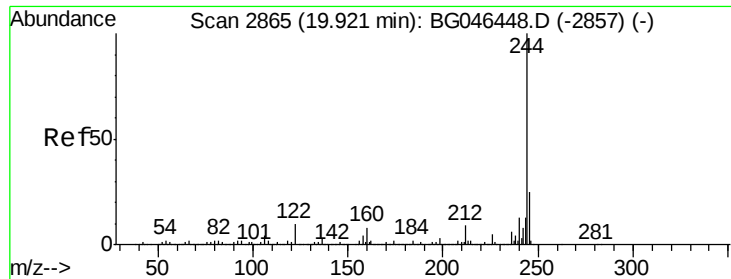
Tot Ion:240 Resp: 575728
Ion Ratio Lower Upper
240 100
120 8.6 6.6 10.0
236 26.2 21.4 32.2



#77
Benzidine
Concen: 2.388 ng
RT: 19.92 min Scan# 2865
Delta R.T. 0.38 min
Lab File: BG046462.D
Acq: 26 Aug 2020 20:32

Tgt Ion:184 Resp: 31945
Ion Ratio Lower Upper
184 100
185 17.0 11.8 17.8
183 14.2 10.7 16.1





#79

Terphenyl-d14

Concen: 72.844 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046462.D

Acq: 26 Aug 2020 20:32

Instrument :

BNA_G

ClientSampleId :

RO-11

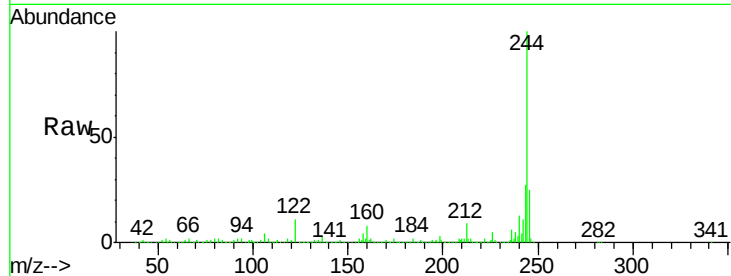
Tot Ion:244 Resp: 1970622

Ion Ratio Lower Upper

244 100

212 9.0 6.9 10.3

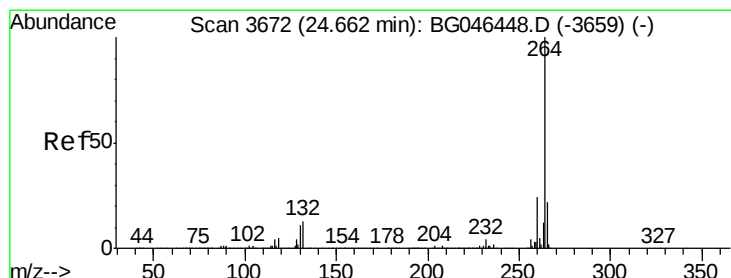
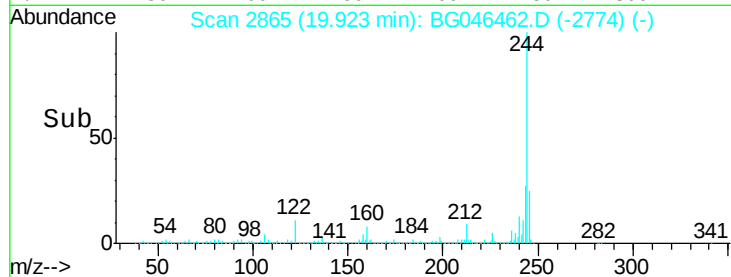
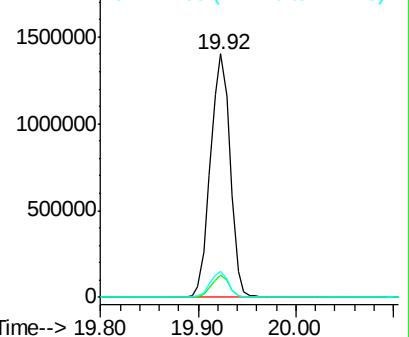
122 10.5 8.2 12.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.65 min Scan# 3670

Delta R.T. -0.01 min

Lab File: BG046462.D

Acq: 26 Aug 2020 20:32

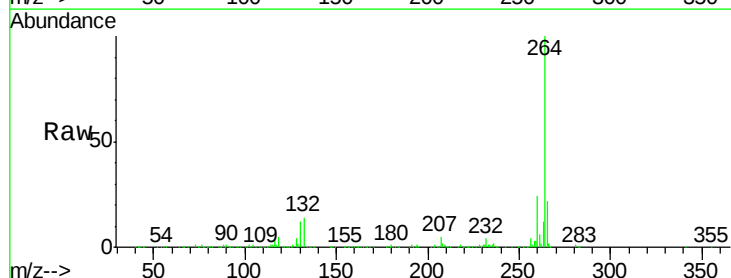
Tgt Ion:264 Resp: 573127

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.0 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

