

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082620\
 Data File : BG046466.D
 Acq On : 26 Aug 2020 23:13
 Operator : CG/JU
 Sample : L3784-17
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-04

Quant Time: Aug 27 01:34:45 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

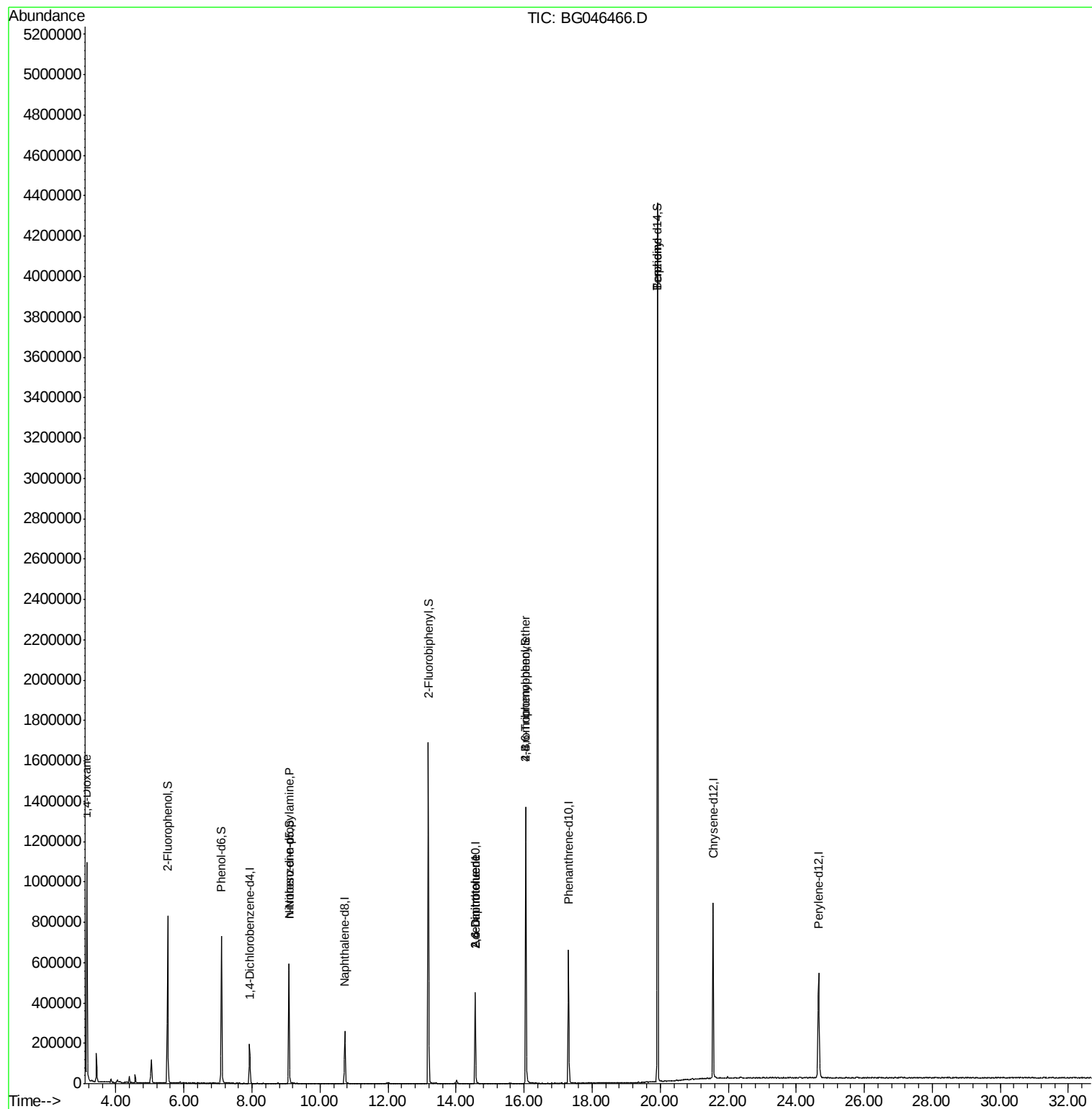
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	60644	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	247132	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	165598	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	444093	20.00	ng	0.00
76) Chrysene-d12	21.55	240	554153	20.00	ng	0.00
86) Perylene-d12	24.66	264	558549	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	403714	117.91	ng	0.00
7) Phenol-d6	7.10	99	472536	97.35	ng	0.00
23) Nitrobenzene-d5	9.09	82	377575	87.32	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	276767	123.35	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	942701	86.90	ng	0.00
79) Terphenyl-d14	19.92	244	1894796	72.77	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	9643	6.770	ng	# 1
19) n-Nitroso-di-n-propylamine	9.09	70	47552	16.378	ng	# 77
51) 2,6-Dinitrotoluene	14.56	165	21692	7.681	ng	# 34
57) 2,4-Dinitrotoluene	14.56	165	21692	5.387	ng	# 34
67) 4-Bromophenyl-phenylether	16.05	248	21526	4.155	ng	# 1
77) Benzidine	19.92	184	30648	2.380	ng	96

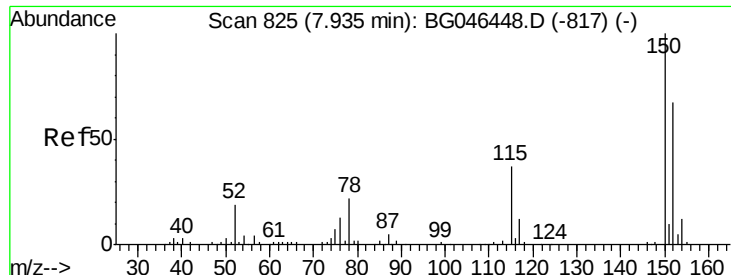
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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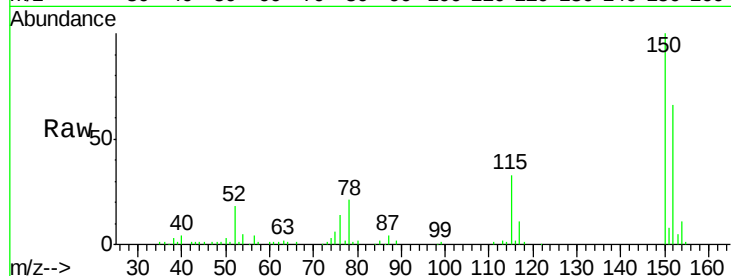


#1

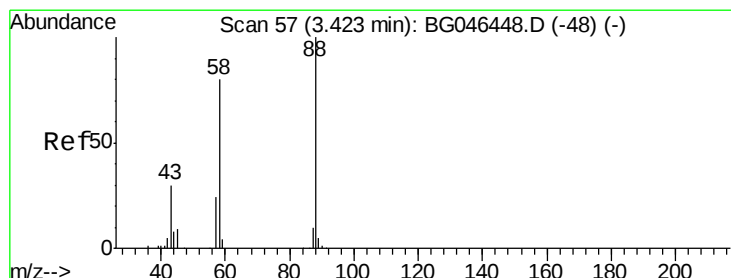
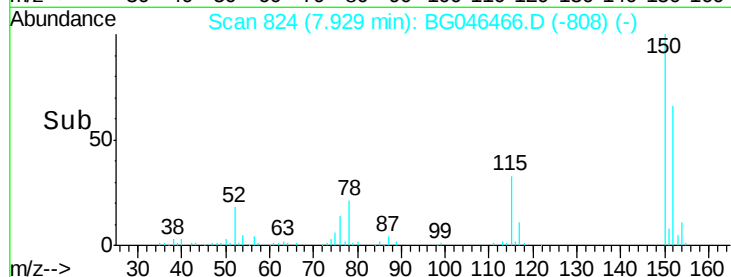
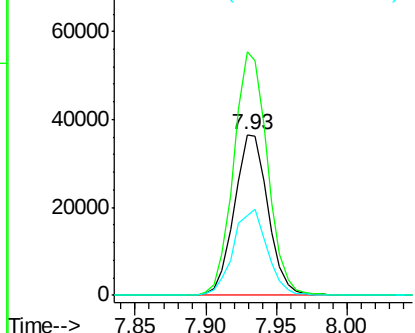
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.93 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BG046466.D
 Acq: 26 Aug 2020 23:13

Instrument :
 BNA_G
 ClientSampleId :
 RO-04

Tot Ion:152 Resp: 60644
 Ion Ratio Lower Upper
 152 100
 150 151.2 119.5 179.3
 115 49.9 44.3 66.5



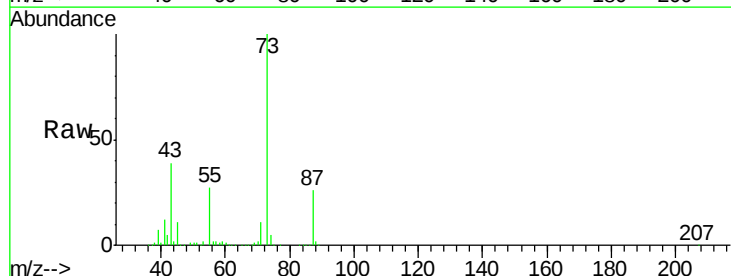
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



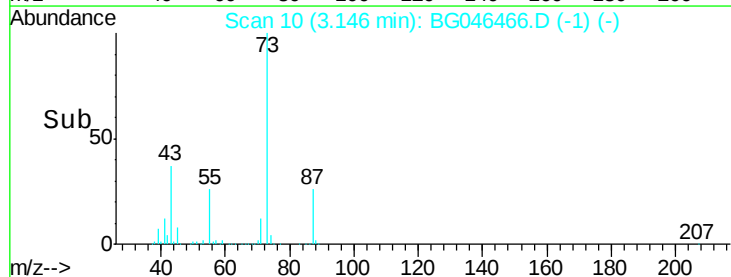
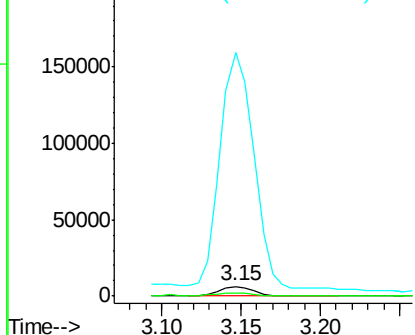
#2

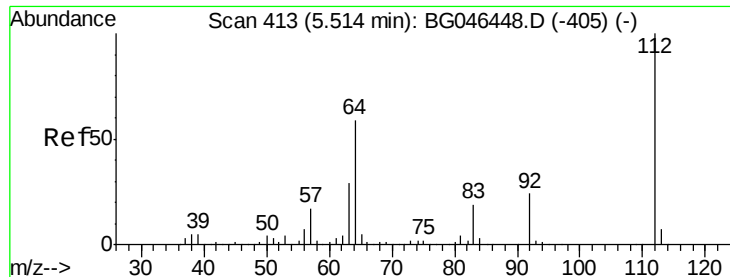
1,4-Dioxane
 Concen: 6.770 ng
 RT: 3.15 min Scan# 10
 Delta R.T. -0.28 min
 Lab File: BG046466.D
 Acq: 26 Aug 2020 23:13

Tgt Ion: 88 Resp: 9643
 Ion Ratio Lower Upper
 88 100
 58 29.7 61.4 92.2#
 43 2366.0 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: 117.910 ng

RT: 5.52 min Scan# 414

Delta R.T. 0.01 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

Instrument :

BNA_G

ClientSampleId :

RO-04

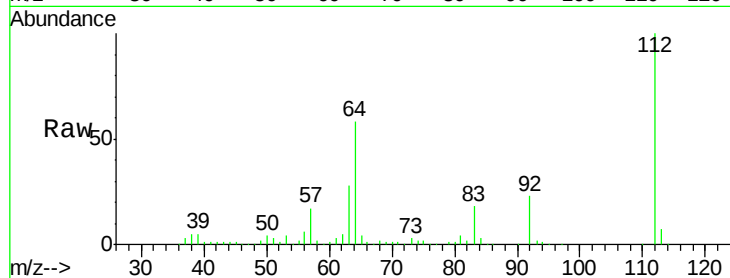
Tot Ion:112 Resp: 403714

Ion Ratio Lower Upper

112 100

64 57.9 47.0 70.6

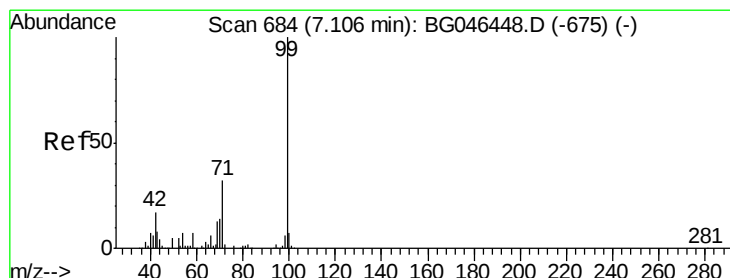
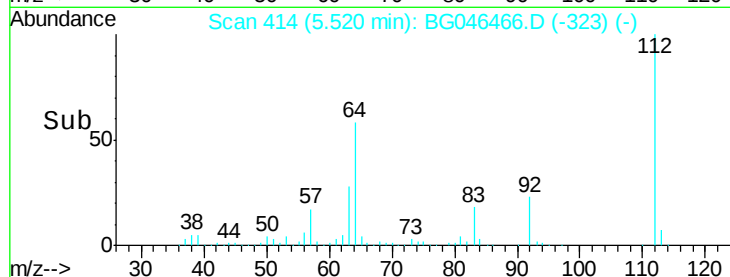
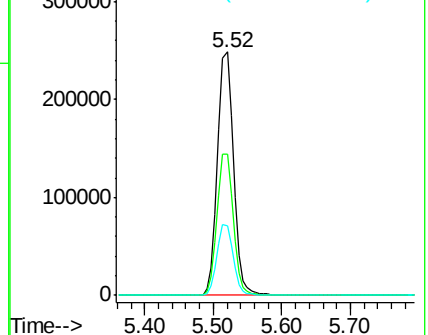
63 28.4 23.5 35.3



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: 97.354 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

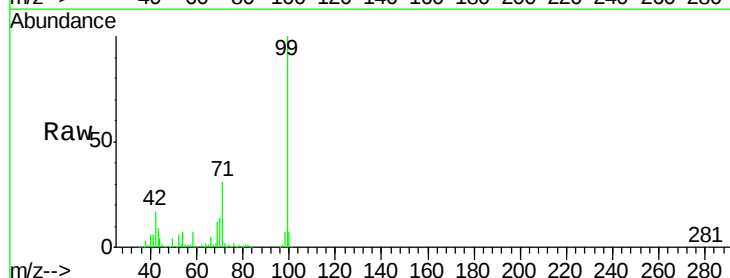
Tgt Ion: 99 Resp: 472536

Ion Ratio Lower Upper

99 100

42 16.6 13.3 19.9

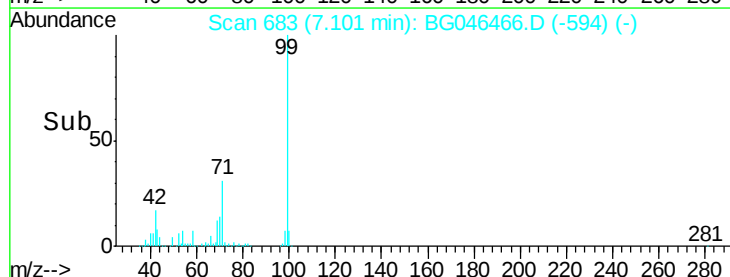
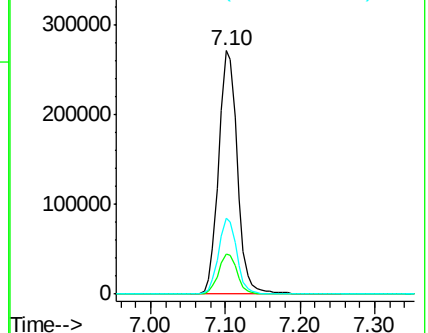
71 31.1 25.3 37.9

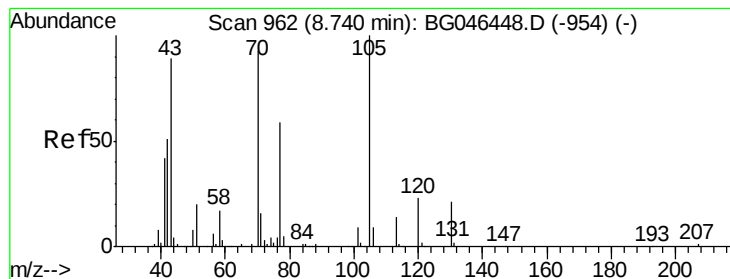


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 16.378 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.35 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

Instrument :

BNA_G

ClientSampleId :

RO-04

Tot Ion: 70 Resp: 47552

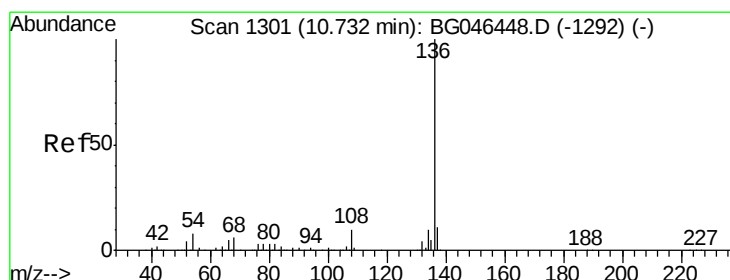
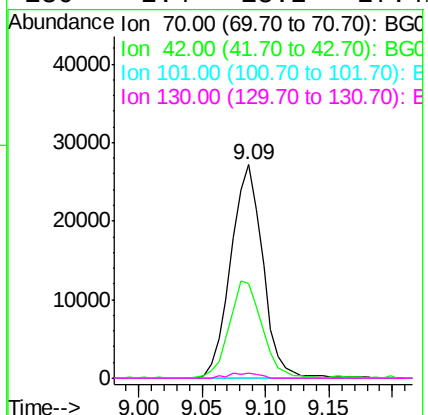
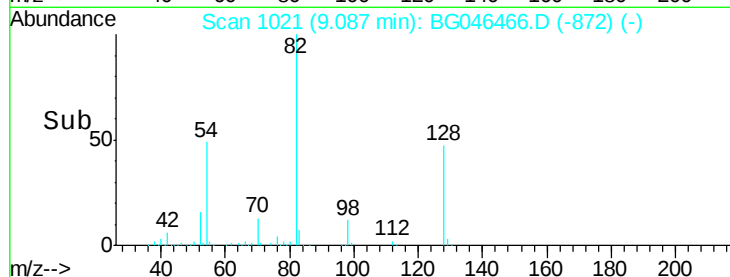
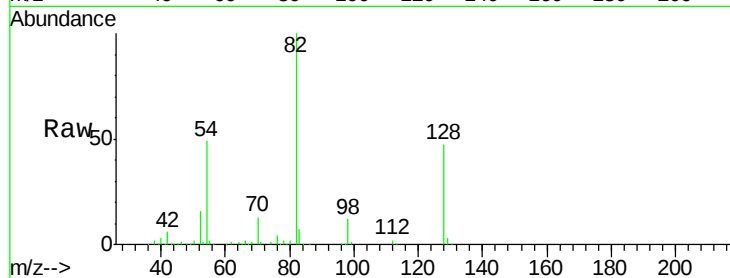
Ion Ratio Lower Upper

70 100

42 44.3 44.2 66.2

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

Tgt Ion: 136 Resp: 247132

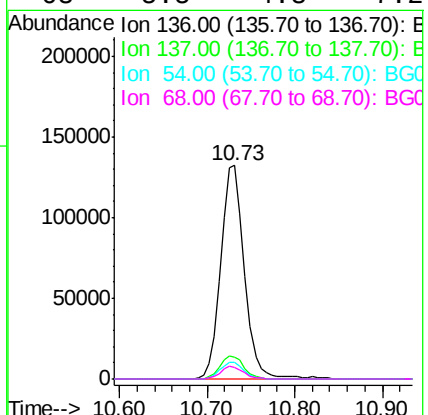
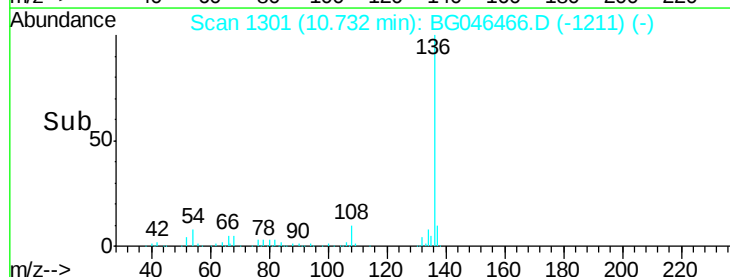
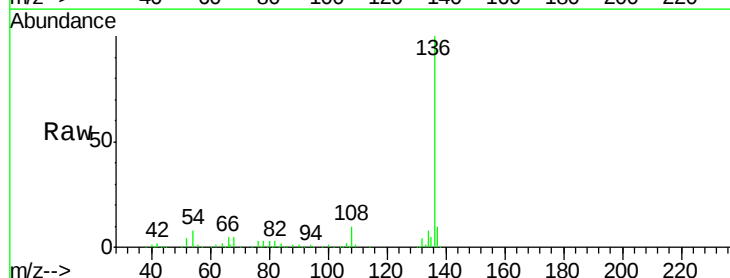
Ion Ratio Lower Upper

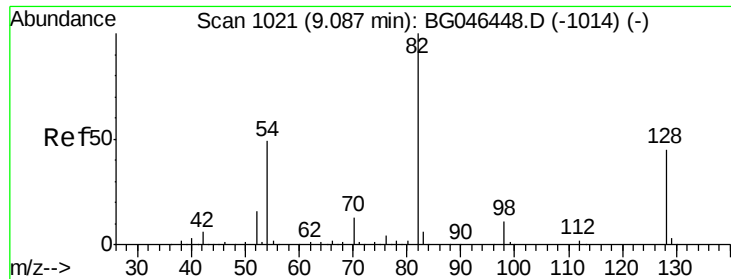
136 100

137 10.3 8.8 13.2

54 7.6 6.1 9.1

68 5.5 4.8 7.2

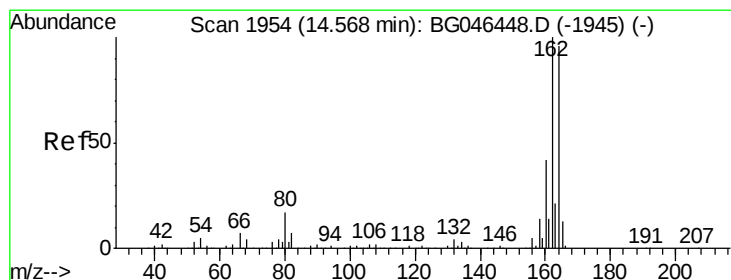
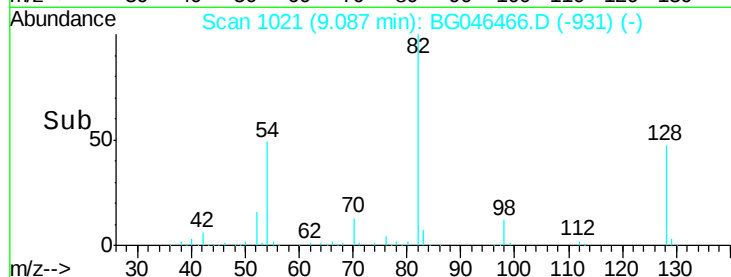
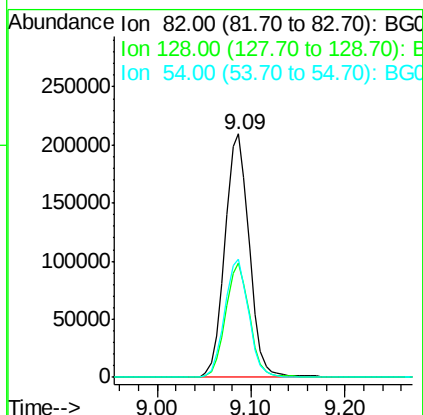
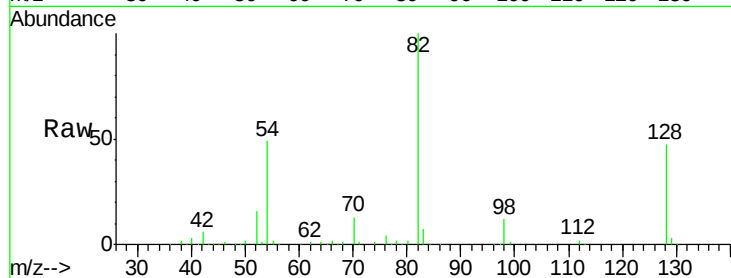




#23
 Nitrobenzene-d5
 Concen: 87.323 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG046466.D
 Acq: 26 Aug 2020 23:13

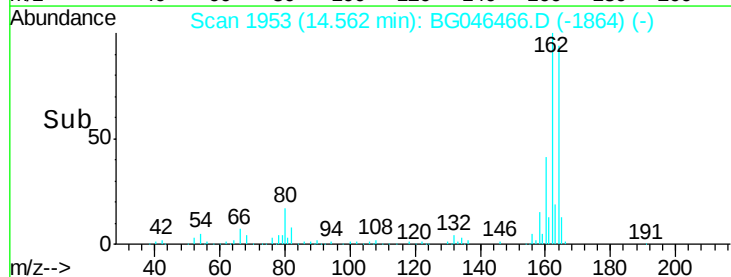
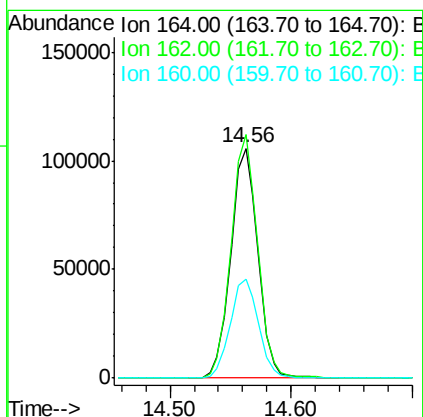
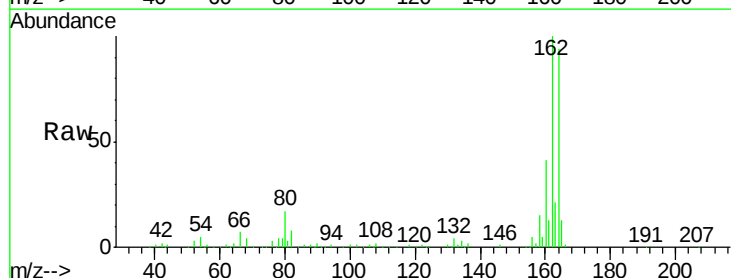
Instrument :
 BNA_G
 ClientSampled :
 RO-04

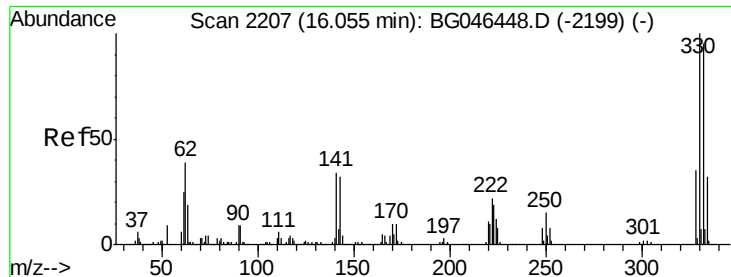
Tot Ion	82	Resp	377575
Ion Ratio	Lower	Upper	
82	100		
128	47.2	35.7	53.5
54	48.8	39.4	59.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BG046466.D
 Acq: 26 Aug 2020 23:13

Tgt Ion	164	Resp	165598
Ion Ratio	Lower	Upper	
164	100		
162	106.0	83.3	124.9
160	43.0	35.0	52.6





#42

2,4,6-Tribromophenol

Concen: 123.351 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

Instrument :

BNA_G

ClientSampleId :

RO-04

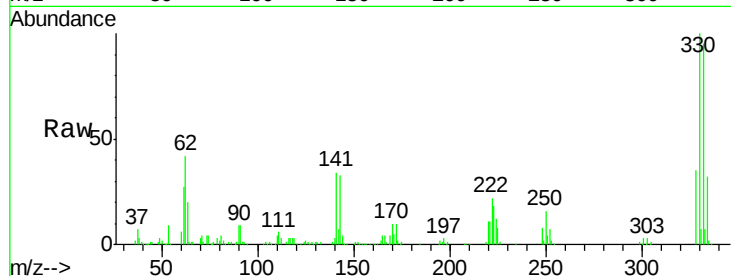
Tot Ion:330 Resp: 276767

Ion Ratio Lower Upper

330 100

332 97.3 76.1 114.1

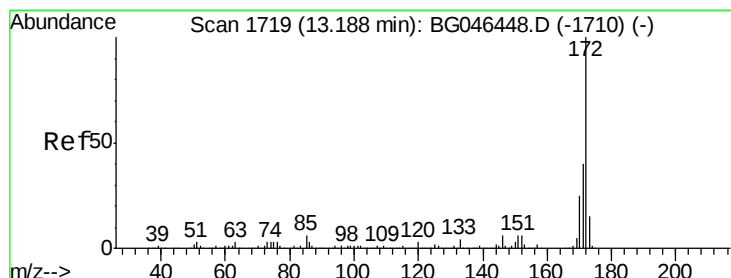
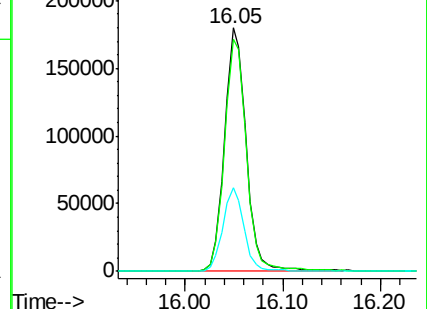
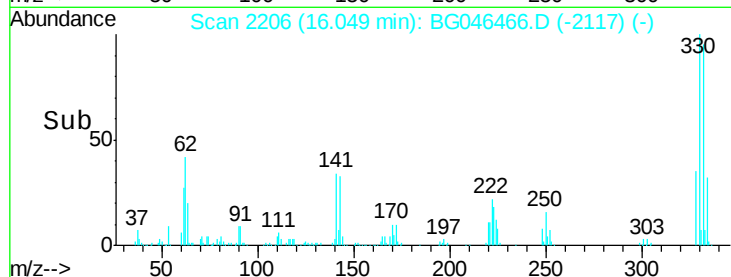
141 33.8 26.1 39.1



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: 86.903 ng

RT: 13.18 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

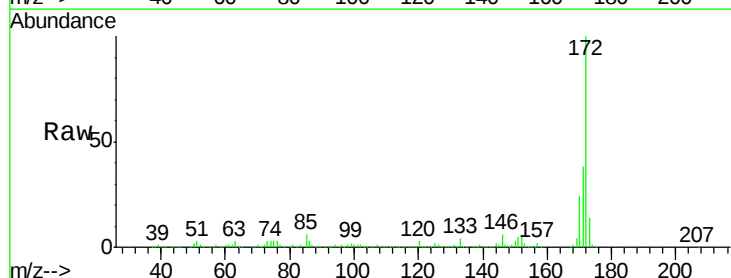
Tgt Ion:172 Resp: 942701

Ion Ratio Lower Upper

172 100

171 37.7 31.8 47.6

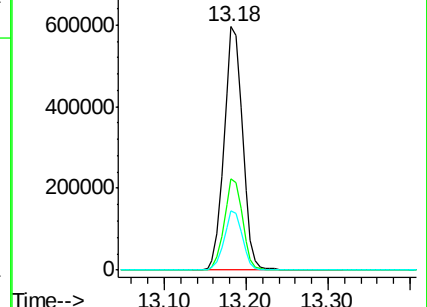
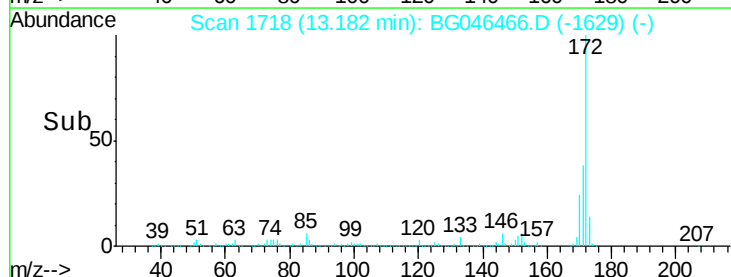
170 24.3 20.3 30.5

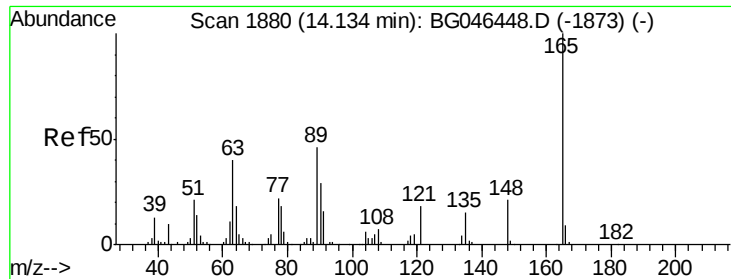


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.681 ng

RT: 14.56 min Scan# 1953

Delta R.T. 0.43 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

Instrument :

BNA_G

ClientSampleId :

RO-04

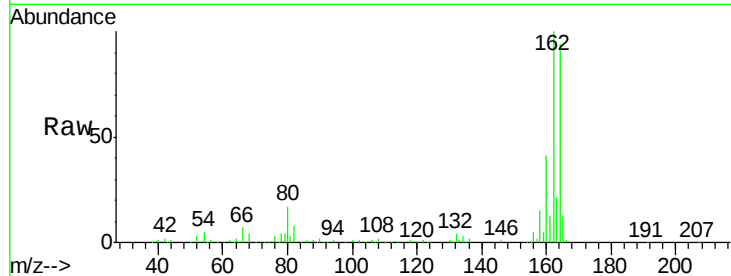
Tot Ion:165 Resp: 21692

Ion Ratio Lower Upper

165 100

63 1.2 34.2 51.4#

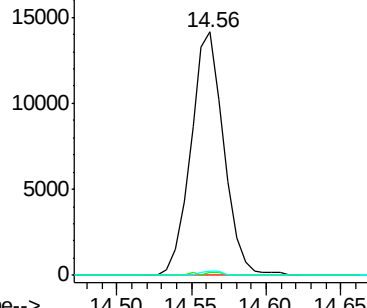
89 1.7 37.0 55.4#



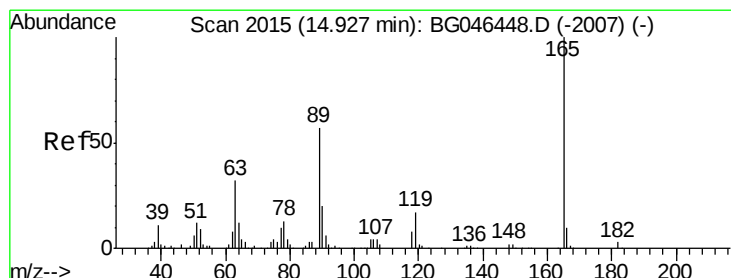
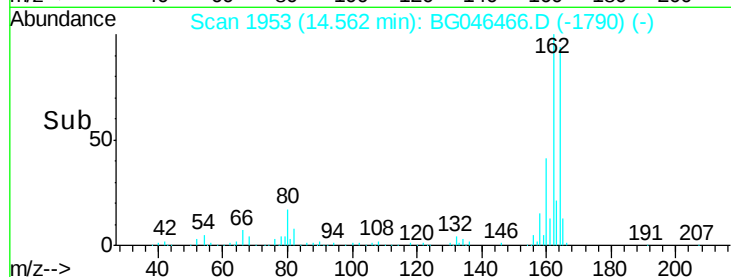
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time-->



#57

2,4-Dinitrotoluene

Concen: 5.387 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.36 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

Tgt Ion:165 Resp: 21692

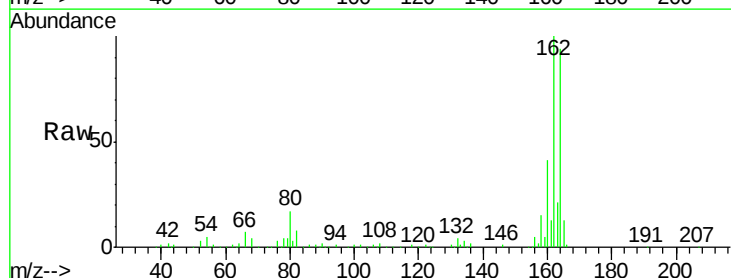
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 1.7 45.9 68.9#

182 0.0 2.3 3.5#

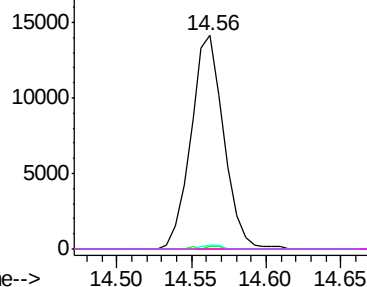


Abundance Ion 165.00 (164.70 to 165.70): E

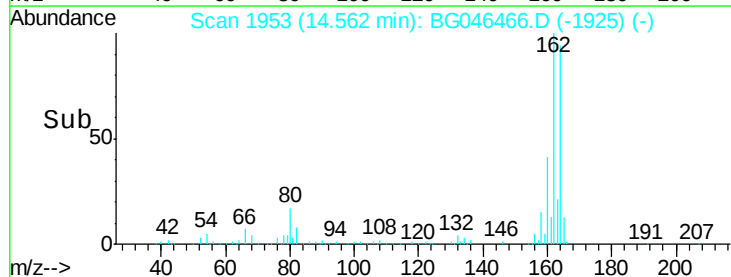
Ion 63.00 (62.70 to 63.70): BGC

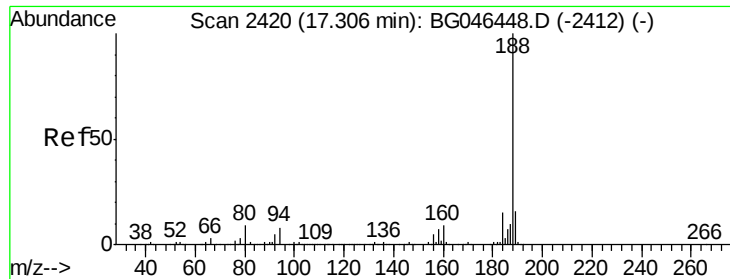
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

Instrument :

BNA_G

ClientSampleId :

RO-04

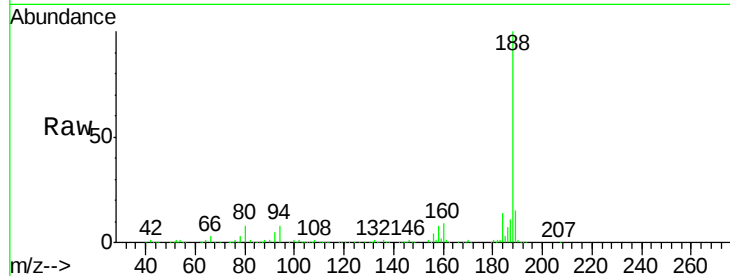
Tot Ion:188 Resp: 444093

Ion Ratio Lower Upper

188 100

94 7.8 6.3 9.5

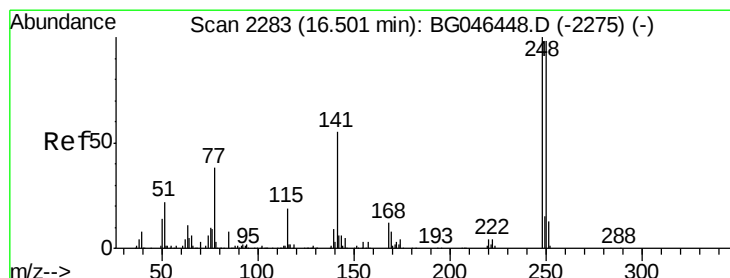
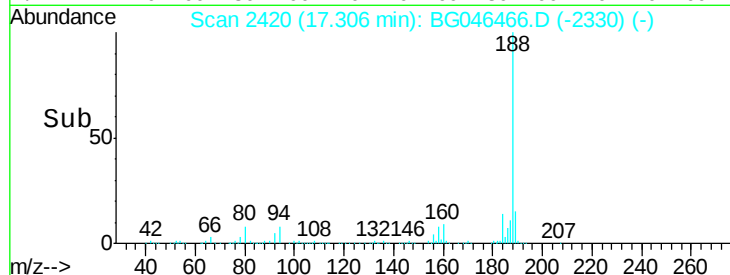
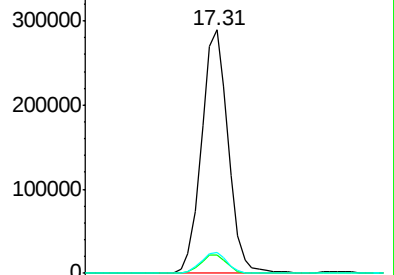
80 8.4 6.9 10.3



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: 4.155 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.45 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

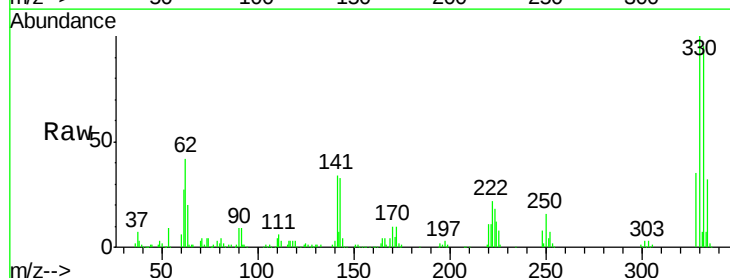
Tgt Ion:248 Resp: 21526

Ion Ratio Lower Upper

248 100

250 201.6 78.6 118.0#

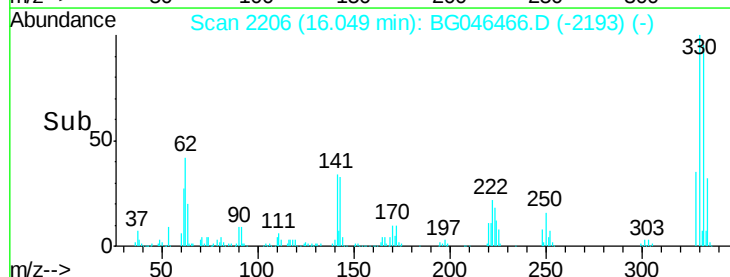
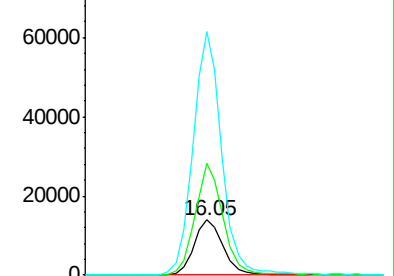
141 441.6 43.9 65.9#

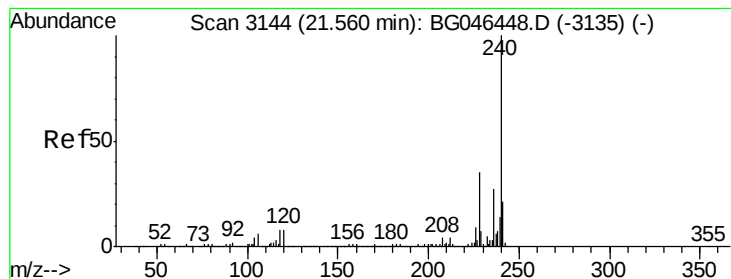


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3143

Delta R.T. -0.01 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

Instrument :

BNA_G

ClientSampleId :

RO-04

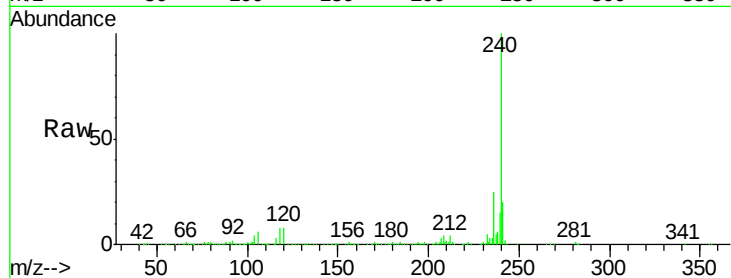
Tot Ion:240 Resp: 554153

Ion Ratio Lower Upper

240 100

120 7.8 6.6 10.0

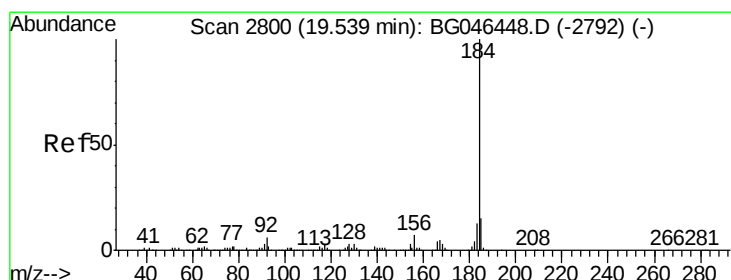
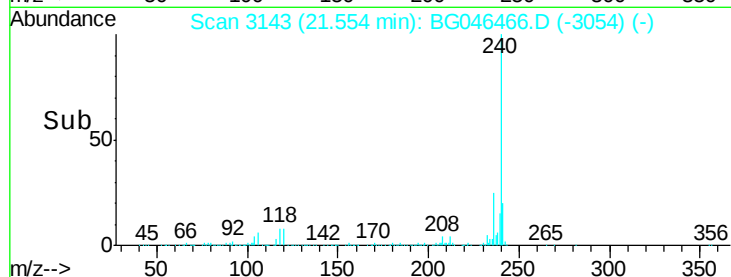
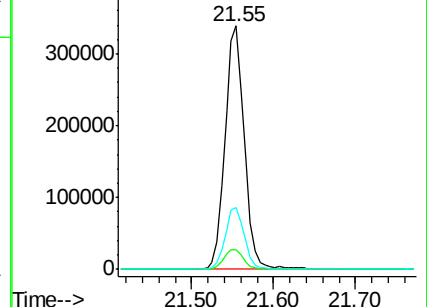
236 25.3 21.4 32.2



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: 2.380 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.38 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

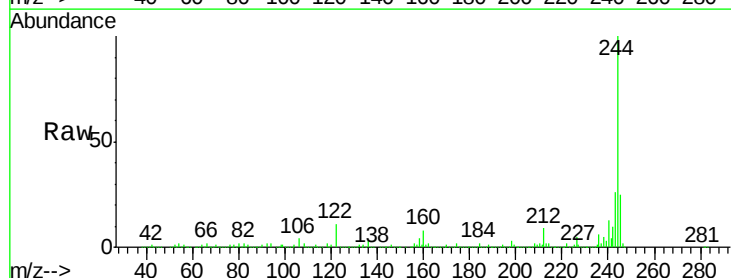
Tgt Ion:184 Resp: 30648

Ion Ratio Lower Upper

184 100

185 15.9 11.8 17.8

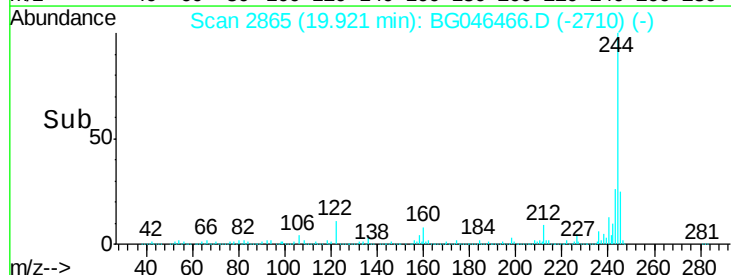
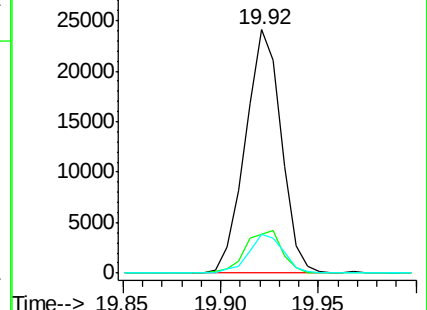
183 15.7 10.7 16.1

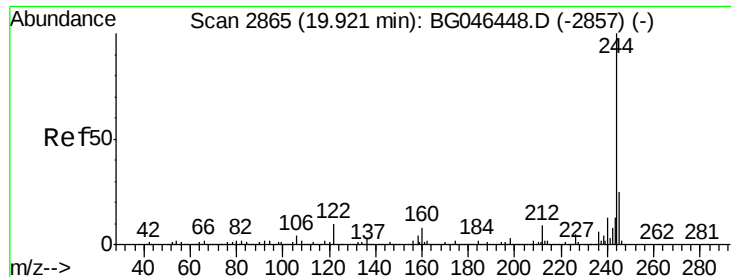


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 72.768 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

Instrument :

BNA_G

ClientSampleId :

RO-04

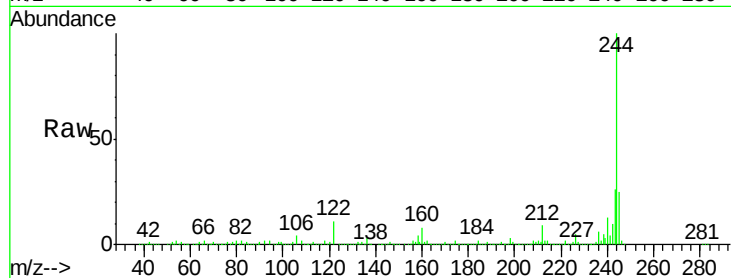
Tot Ion:244 Resp: 1894796

Ion Ratio Lower Upper

244 100

212 9.0 6.9 10.3

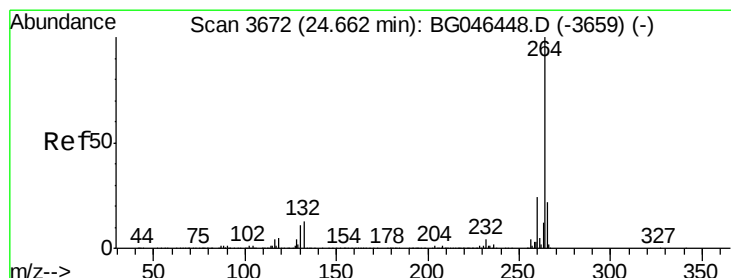
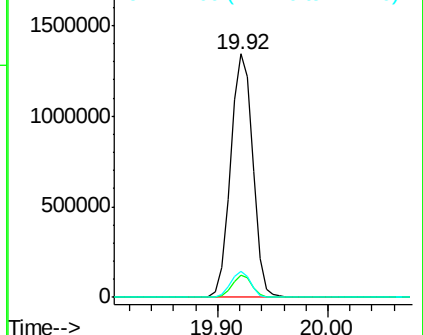
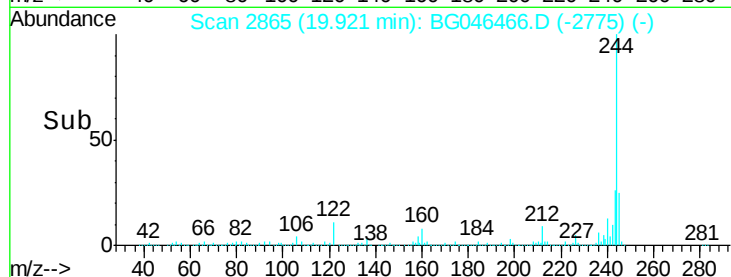
122 10.7 8.2 12.4



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: 24.66 min Scan# 3671

Delta R.T. -0.01 min

Lab File: BG046466.D

Acq: 26 Aug 2020 23:13

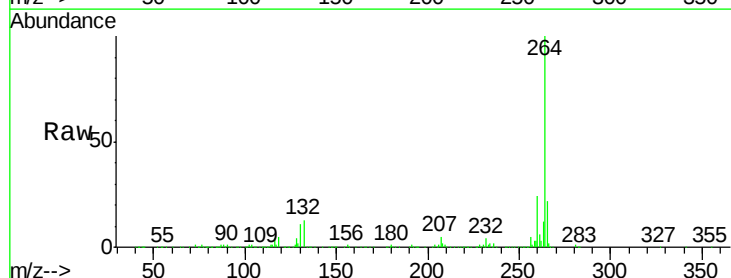
Tgt Ion:264 Resp: 558549

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

