

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082620\
 Data File : BG046464.D
 Acq On : 26 Aug 2020 21:52
 Operator : CG/JU
 Sample : L3784-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-24

Quant Time: Aug 27 01:34:03 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

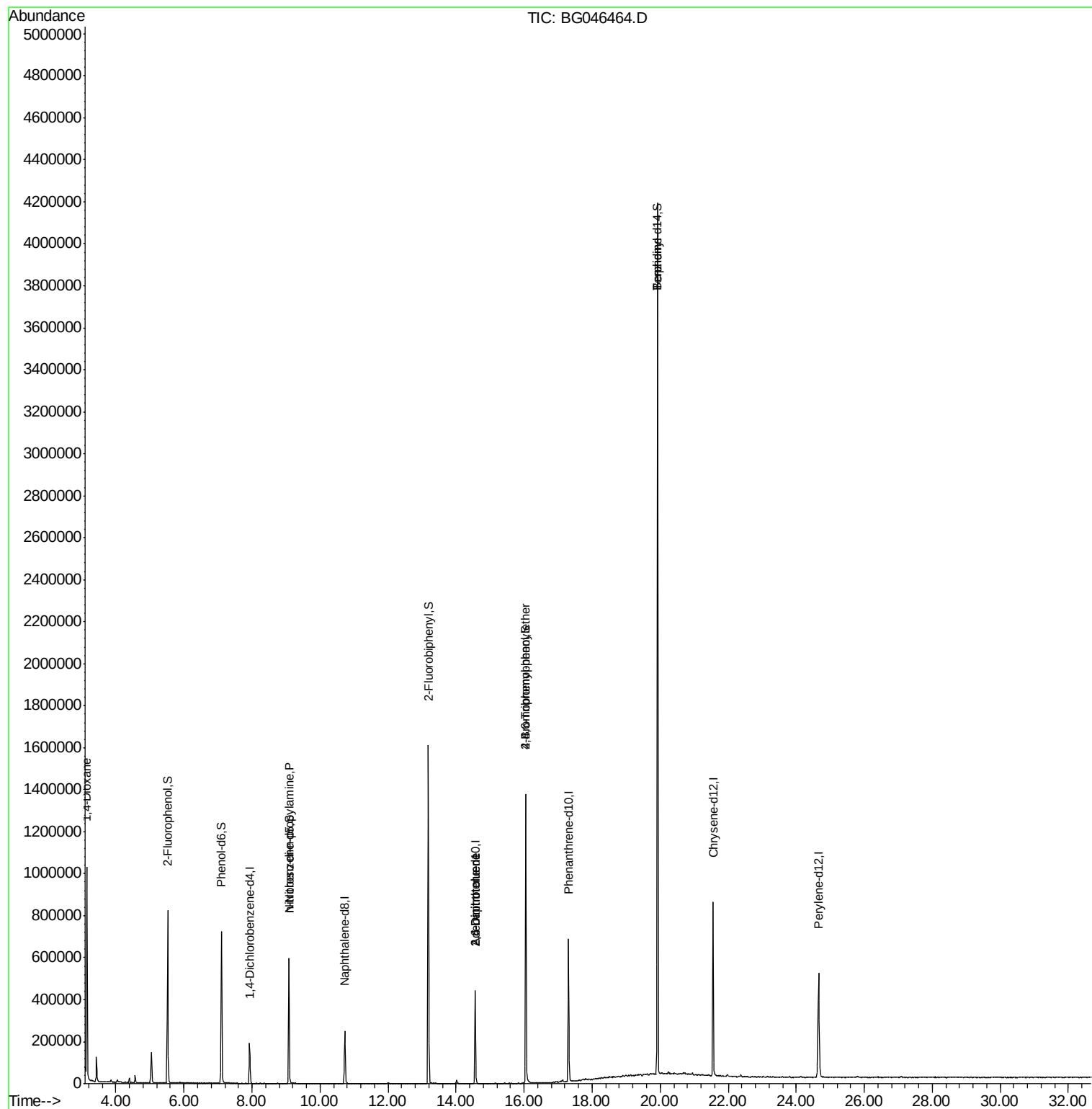
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	59567	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	237039	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	161351	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	432210	20.00	ng	0.00
76) Chrysene-d12	21.55	240	522502	20.00	ng	0.00
86) Perylene-d12	24.66	264	533273	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	397343	118.15	ng	0.00
7) Phenol-d6	7.10	99	470782	98.75	ng	0.00
23) Nitrobenzene-d5	9.09	82	371289	89.53	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	277030	126.72	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	928313	87.83	ng	0.00
79) Terphenyl-d14	19.92	244	1788871	72.86	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	9338	6.674	ng	# 1
19) n-Nitroso-di-n-propylamine	9.09	70	46080	16.158	ng	# 77
51) 2,6-Dinitrotoluene	14.56	165	20628	7.497	ng	# 32
57) 2,4-Dinitrotoluene	14.56	165	20628	5.257	ng	# 32
67) 4-Bromophenyl-phenylether	16.05	248	20580	4.081	ng	# 1
77) Benzidine	19.92	184	28815	2.373	ng	# 92

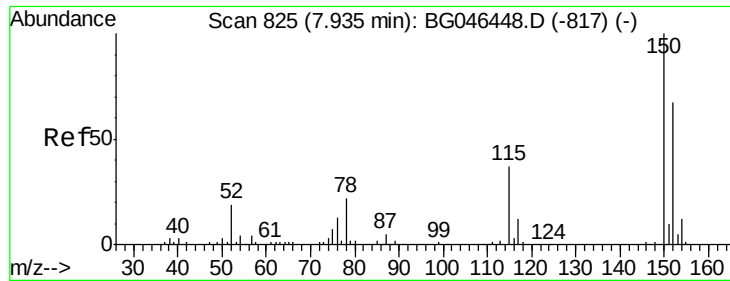
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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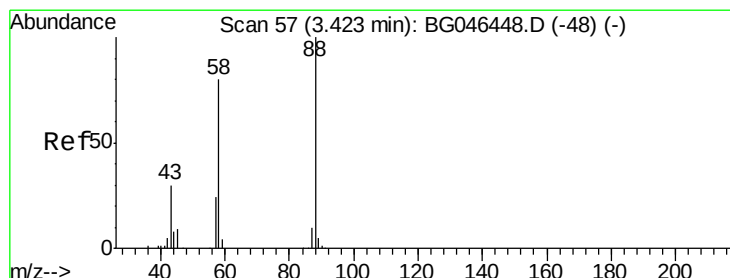
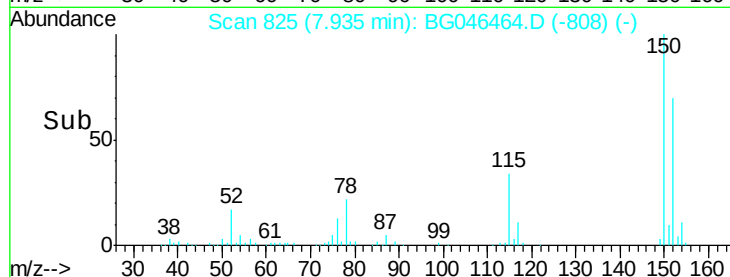
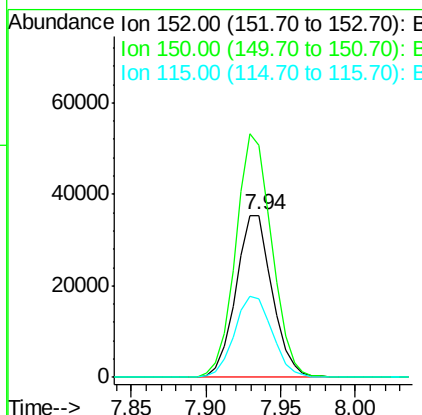
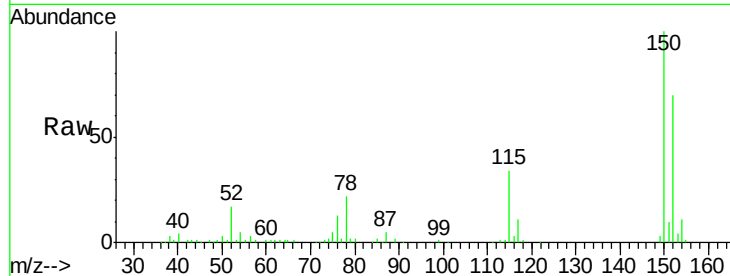


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 825
Delta R.T. 0.00 min
Lab File: BG046464.D
Acq: 26 Aug 2020 21:52

Instrument :
BNA_G
ClientSampleId :
RO-24

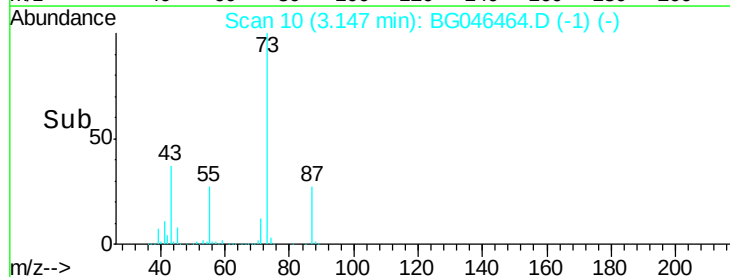
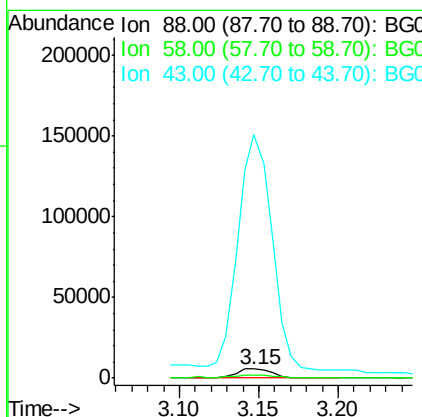
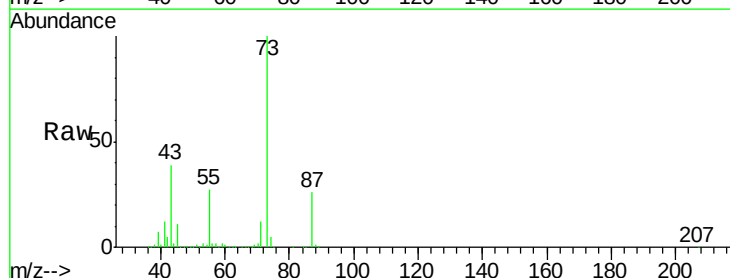
Tot Ion:152 Resp: 59567
Ion Ratio Lower Upper
152 100
150 143.5 119.5 179.3
115 48.2 44.3 66.5

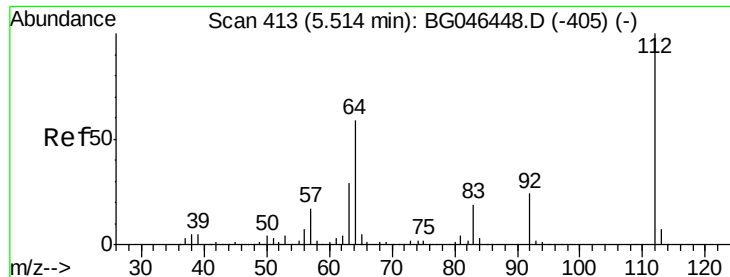


#2

1,4-Dioxane
Concen: 6.674 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.28 min
Lab File: BG046464.D
Acq: 26 Aug 2020 21:52

Tgt Ion: 88 Resp: 9338
Ion Ratio Lower Upper
88 100
58 29.4 61.4 92.2#
43 2451.6 21.6 32.4#





#5

2-Fluorophenol

Concen: 118.147 ng

RT: 5.52 min Scan# 414

Delta R.T. 0.01 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

Instrument :

BNA_G

ClientSampleId :

RO-24

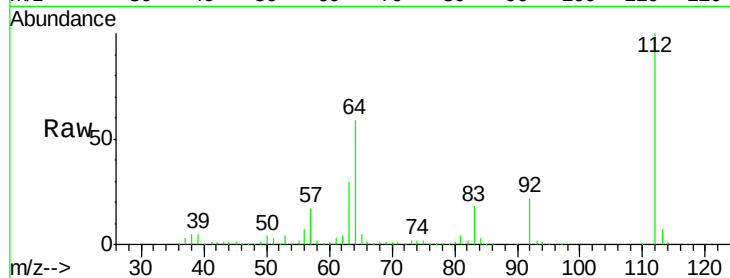
Tot Ion: 112 Resp: 397343

Ion Ratio Lower Upper

112 100

64 59.0 47.0 70.6

63 29.6 23.5 35.3

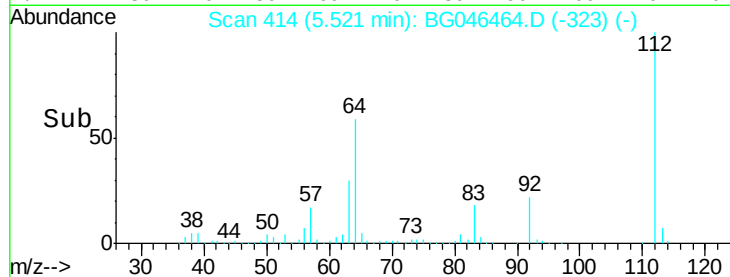


Abundance Ion 112.00 (111.70 to 112.70): B

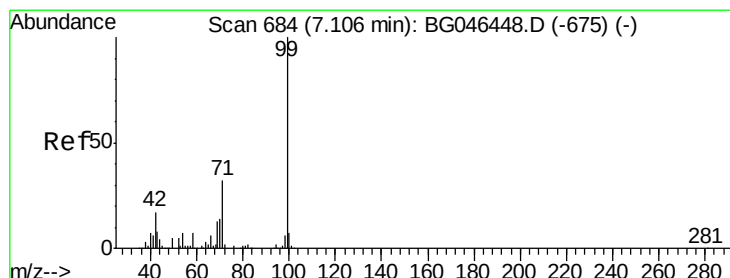
Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Time-->



Time-->



#7

Phenol-d6

Concen: 98.747 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

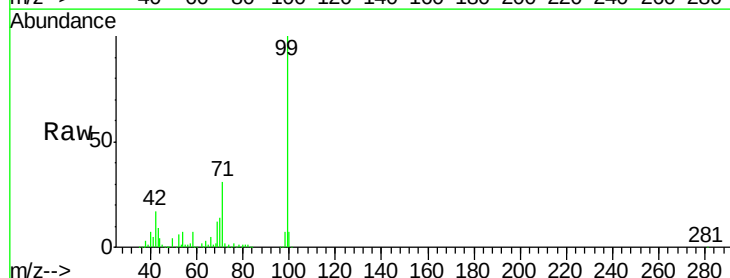
Tgt Ion: 99 Resp: 470782

Ion Ratio Lower Upper

99 100

42 16.7 13.3 19.9

71 30.7 25.3 37.9

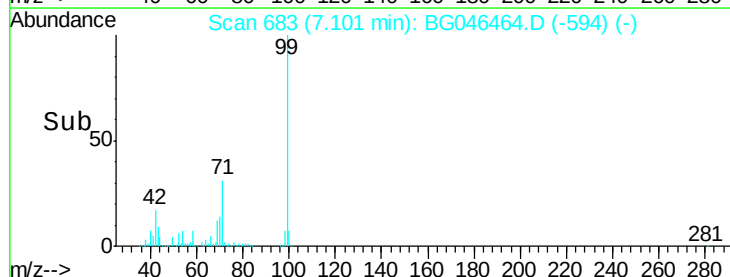


Abundance Ion 99.00 (98.70 to 99.70): BGC

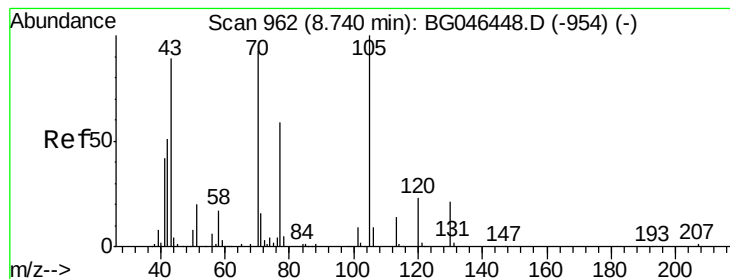
Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

Time-->



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 16.158 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.35 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

Instrument :

BNA_G

ClientSampleId :

RO-24

Tot Ion: 70 Resp: 46080

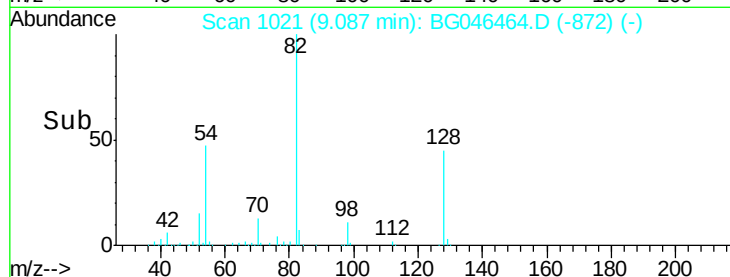
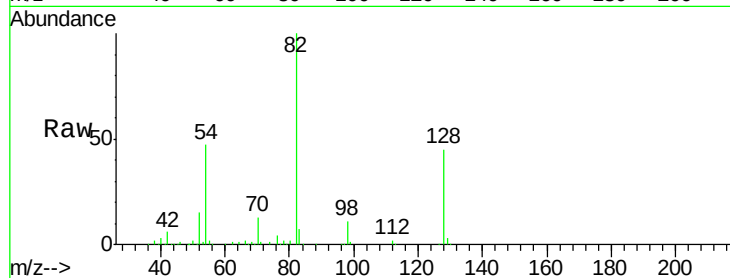
Ion Ratio Lower Upper

70 100

42 45.5 44.2 66.2

101 0.0 7.8 11.8#

130 2.0 18.2 27.4#



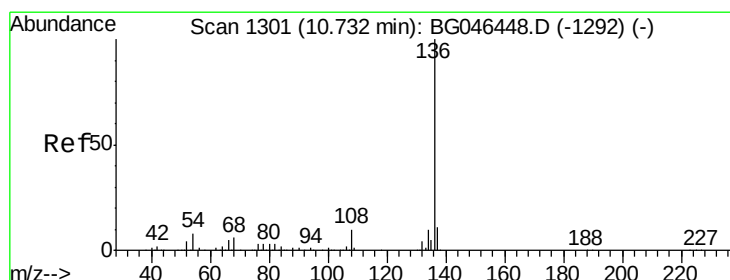
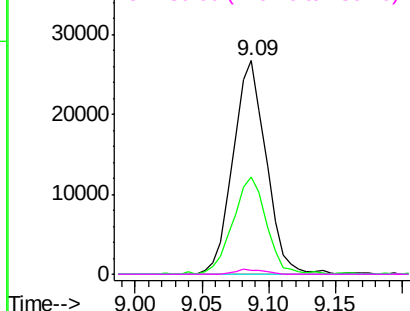
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

Tgt Ion: 136 Resp: 237039

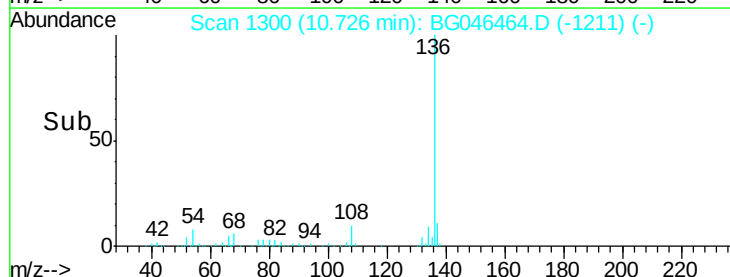
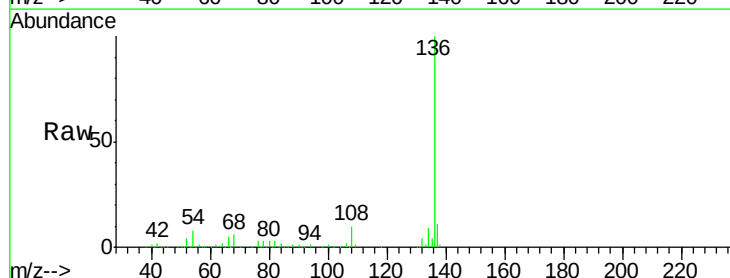
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 8.2 6.1 9.1

68 5.8 4.8 7.2



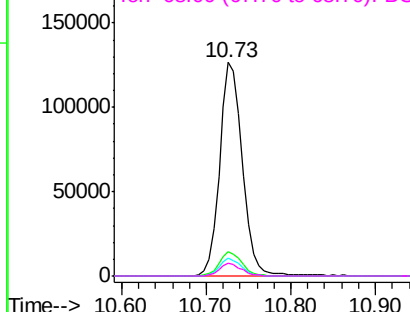
Abundance

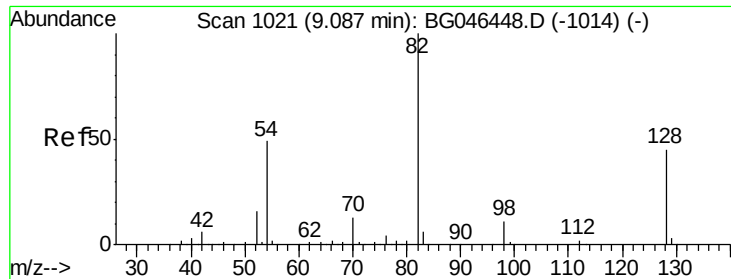
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

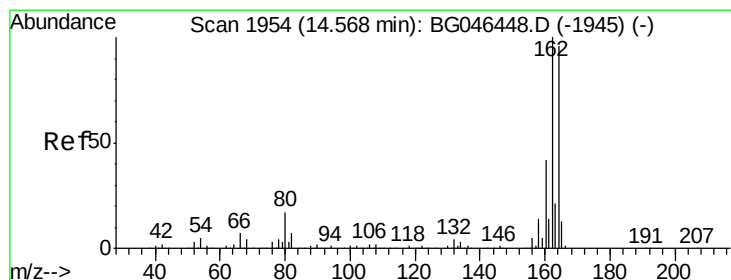
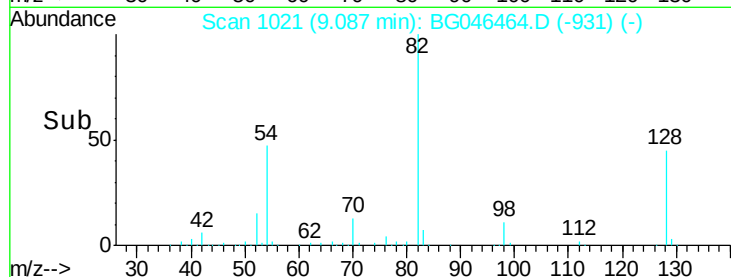
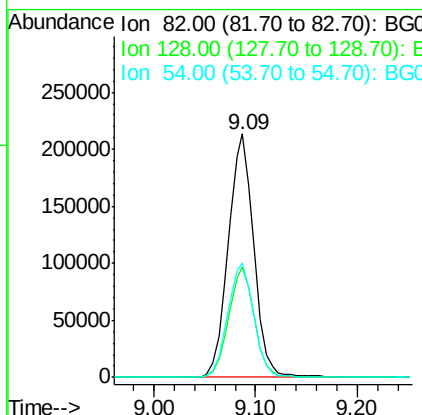
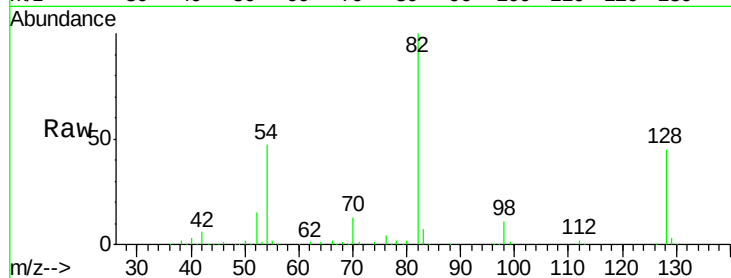




#23
 Nitrobenzene-d5
 Concen: 89.526 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG046464.D
 Acq: 26 Aug 2020 21:52

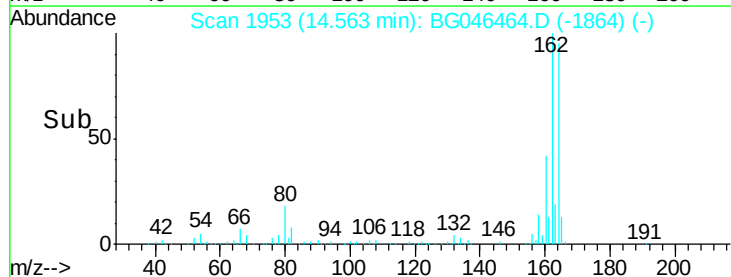
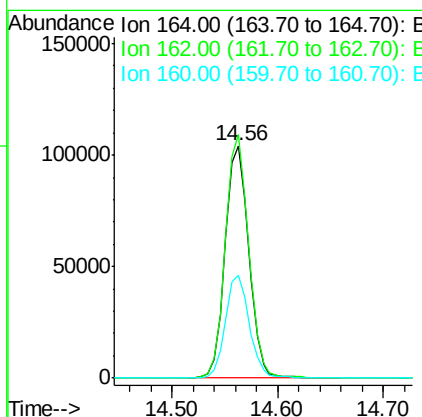
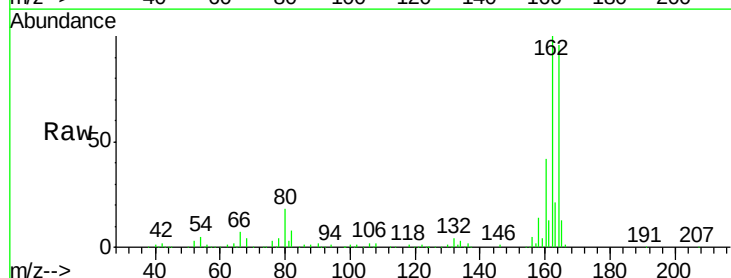
Instrument :
 BNA_G
 ClientSampled :
 RO-24

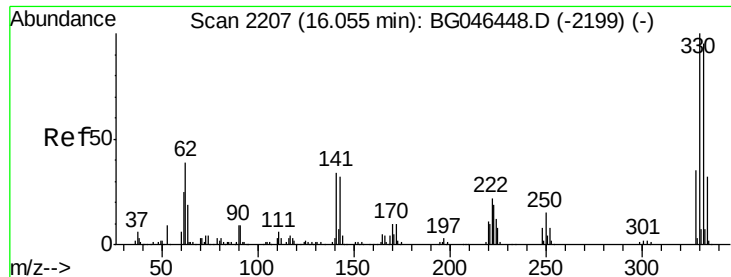
Tot Ion	82	Resp	371289
Ion Ratio	100	Lower	Upper
128	45.5	35.7	53.5
54	47.1	39.4	59.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BG046464.D
 Acq: 26 Aug 2020 21:52

Tgt Ion	164	Resp	161351
Ion Ratio	100	Lower	Upper
162	104.6	83.3	124.9
160	44.2	35.0	52.6





#42

2,4,6-Tribromophenol

Concen: 126.718 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

Instrument :

BNA_G

ClientSampleId :

RO-24

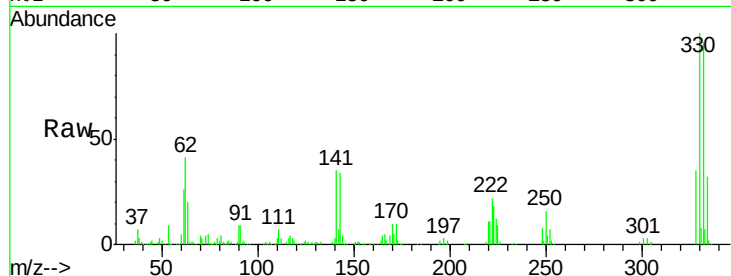
Tot Ion:330 Resp: 277030

Ion Ratio Lower Upper

330 100

332 96.2 76.1 114.1

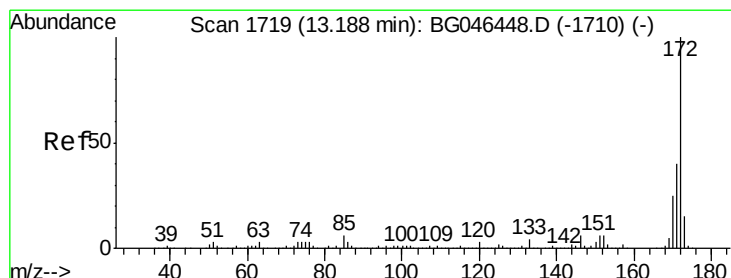
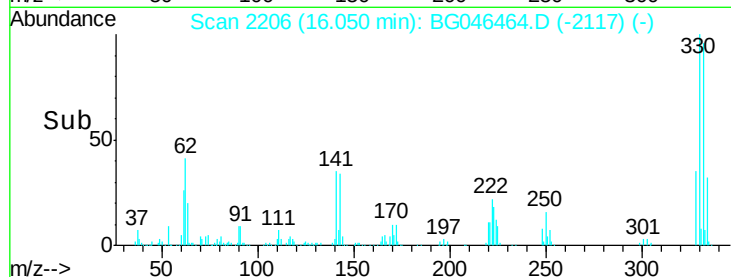
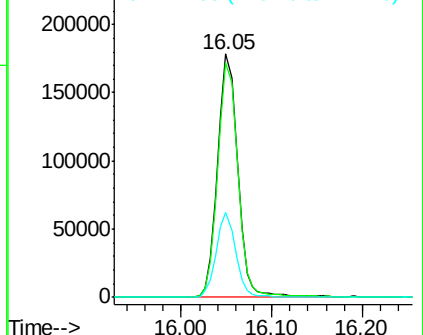
141 33.7 26.1 39.1



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: 87.829 ng

RT: 13.18 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

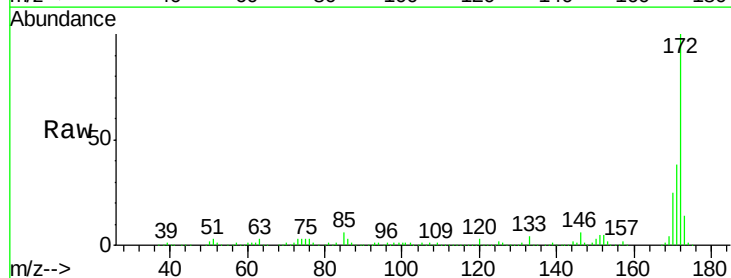
Tgt Ion:172 Resp: 928313

Ion Ratio Lower Upper

172 100

171 38.0 31.8 47.6

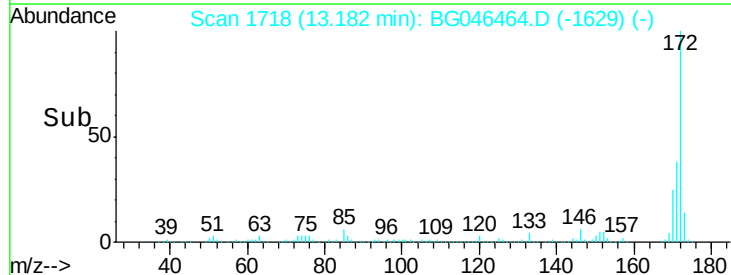
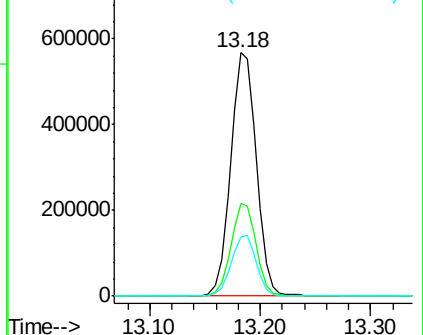
170 24.6 20.3 30.5

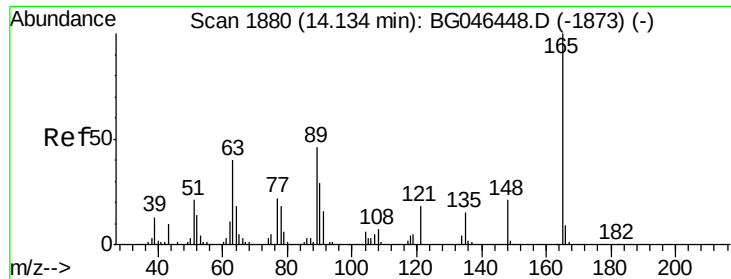


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.497 ng

RT: 14.56 min Scan# 1953

Delta R.T. 0.43 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

Instrument :

BNA_G

ClientSampleId :

RO-24

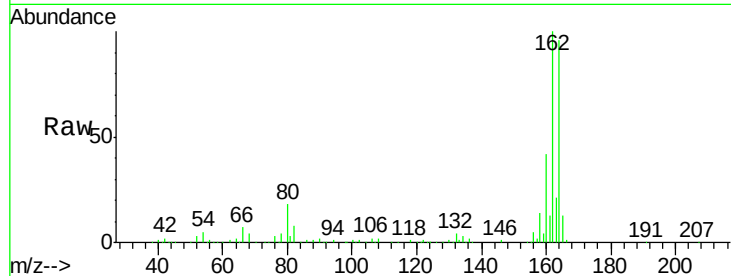
Tot Ion:165 Resp: 20628

Ion Ratio Lower Upper

165 100

63 0.0 34.2 51.4#

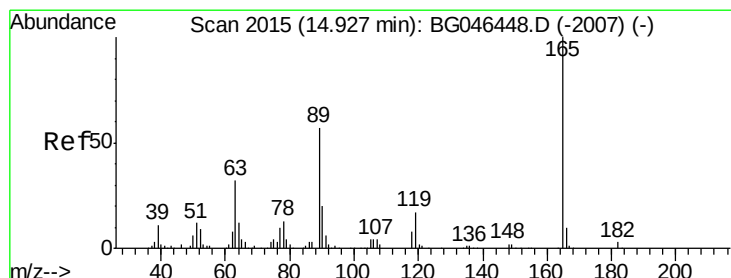
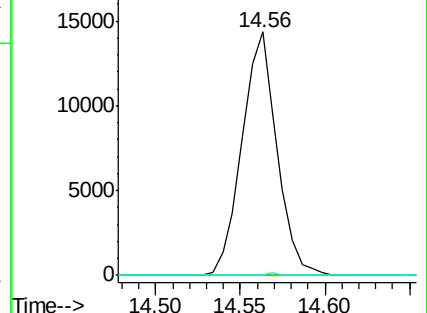
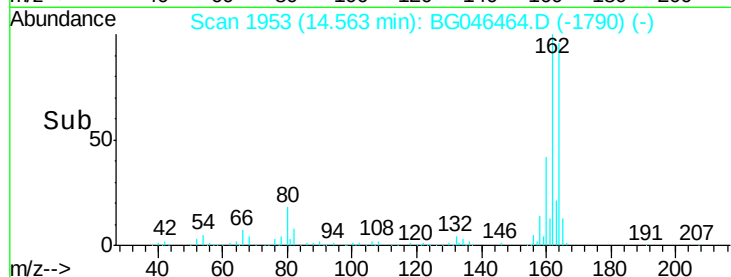
89 0.0 37.0 55.4#



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: 5.257 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.36 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

Tgt Ion:165 Resp: 20628

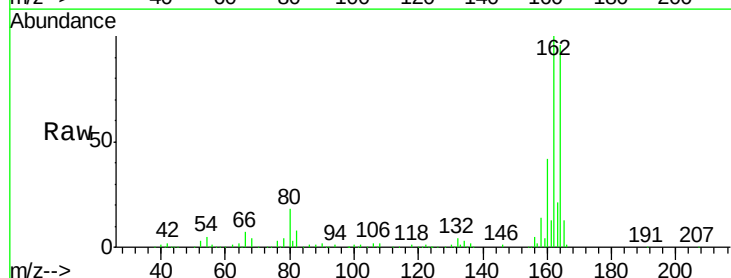
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 0.0 45.9 68.9#

182 0.0 2.3 3.5#

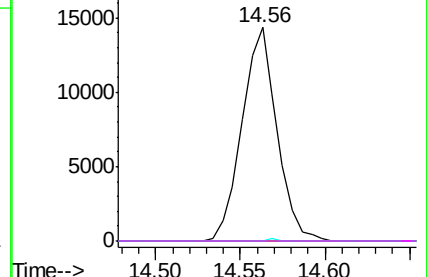
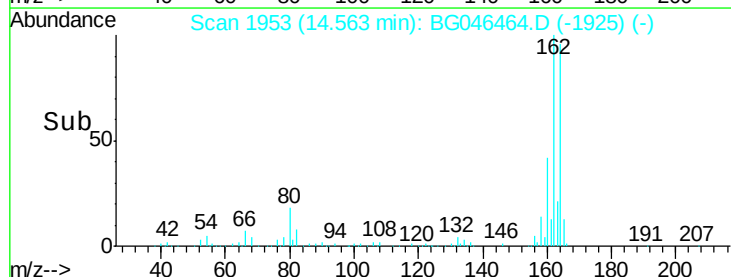


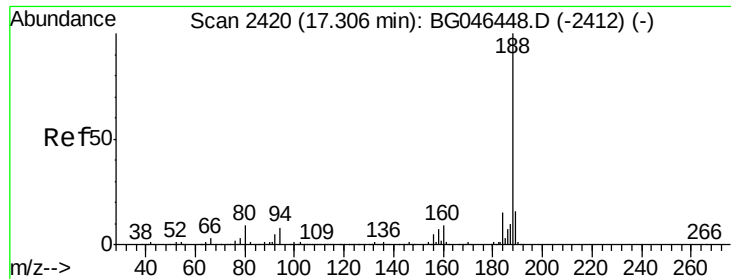
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.31 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

Instrument :

BNA_G

ClientSampleId :

RO-24

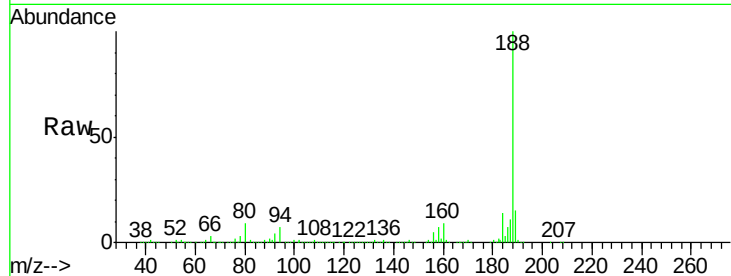
Tot Ion:188 Resp: 432210

Ion Ratio Lower Upper

188 100

94 7.2 6.3 9.5

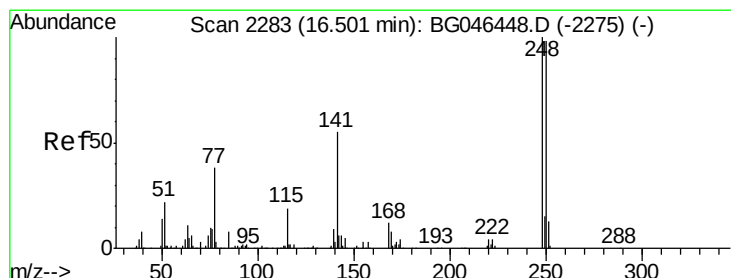
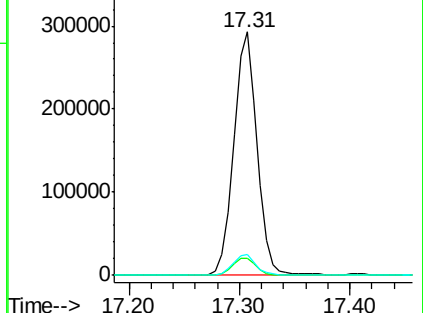
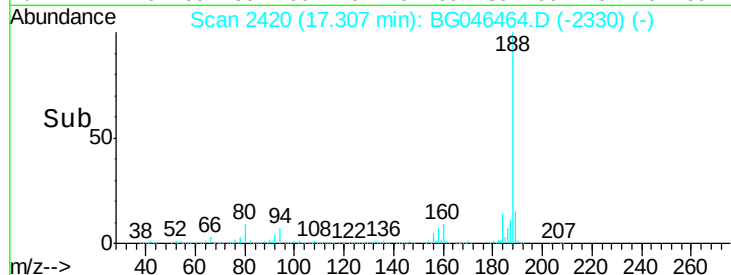
80 8.7 6.9 10.3



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: 4.081 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.45 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

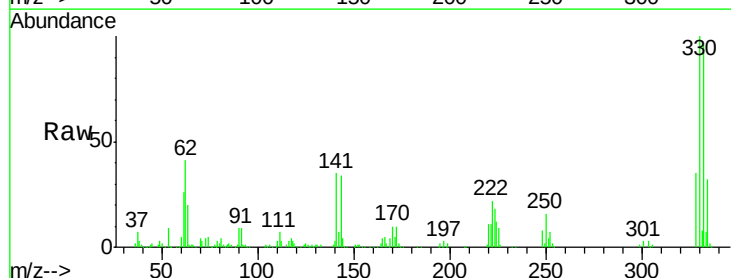
Tgt Ion:248 Resp: 20580

Ion Ratio Lower Upper

248 100

250 199.1 78.6 118.0#

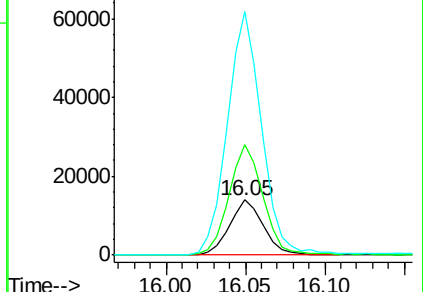
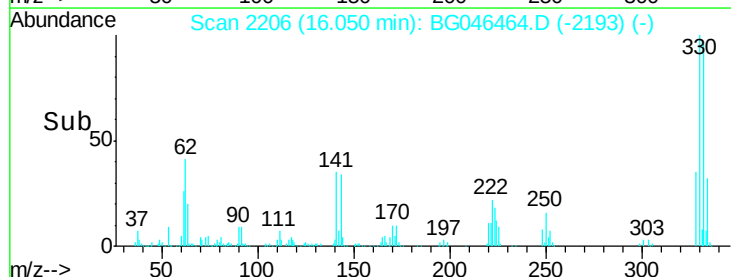
141 439.6 43.9 65.9#

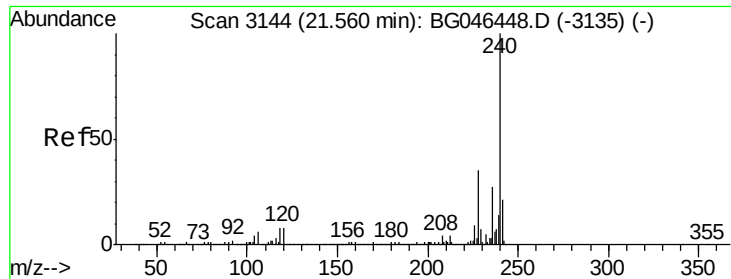


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG046464.D

Acq: 26 Aug 2020 21:52

Instrument :

BNA_G

ClientSampleId :

RO-24

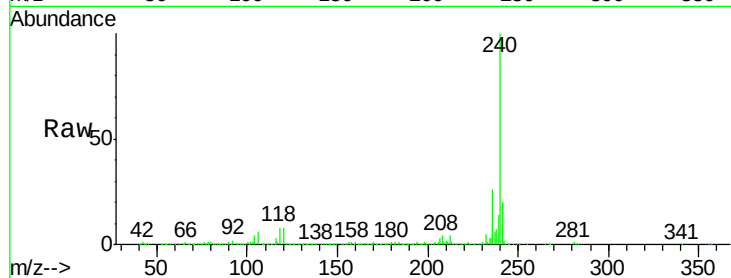
Tot Ion:240 Resp: 522502

Ion Ratio Lower Upper

240 100

120 8.2 6.6 10.0

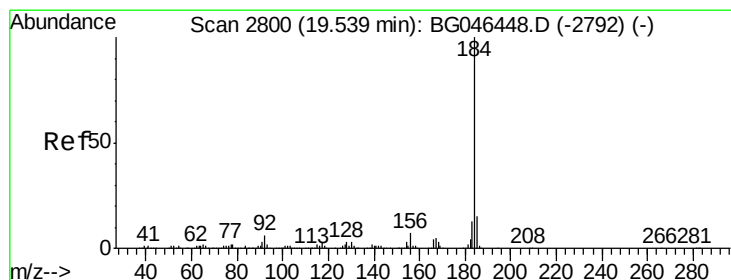
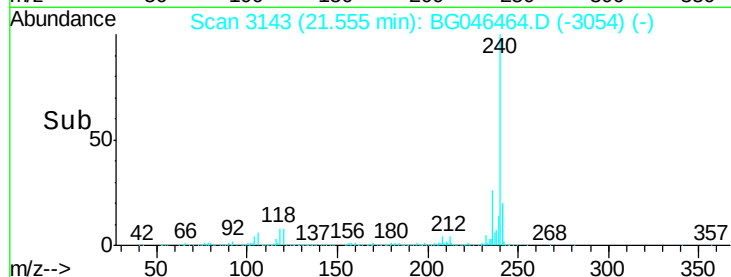
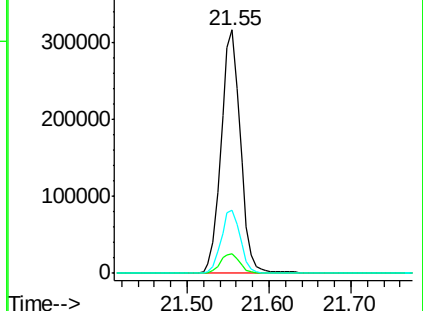
236 26.1 21.4 32.2



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: 2.373 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.38 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

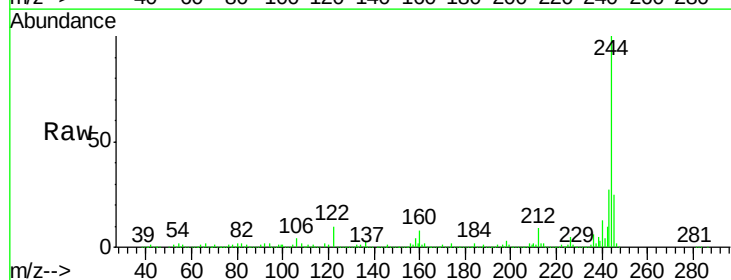
Tgt Ion:184 Resp: 28815

Ion Ratio Lower Upper

184 100

185 18.8 11.8 17.8#

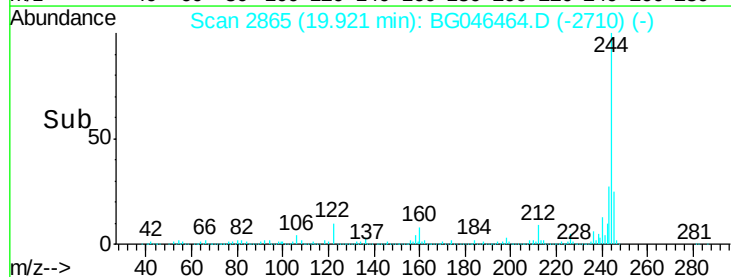
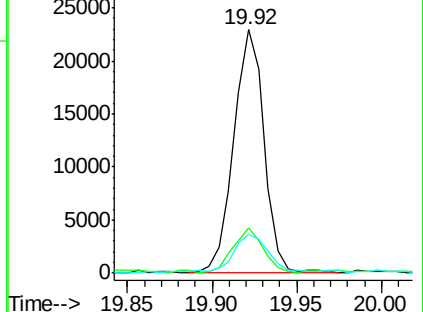
183 15.8 10.7 16.1

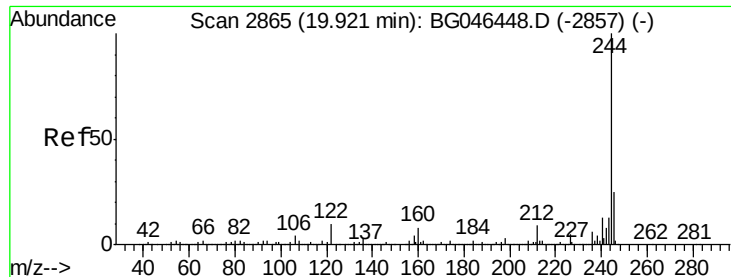


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 72.862 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

Instrument :

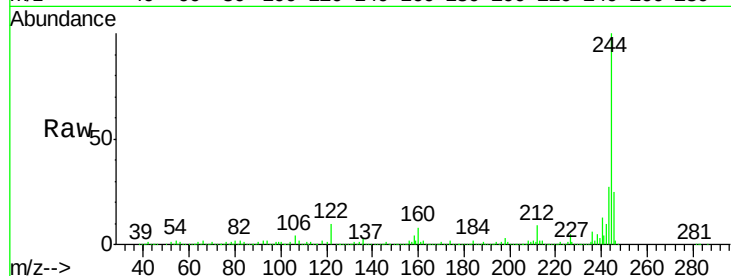
BNA_G

ClientSampleId :

RO-24

Tot Ion:244 Resp: 1788871

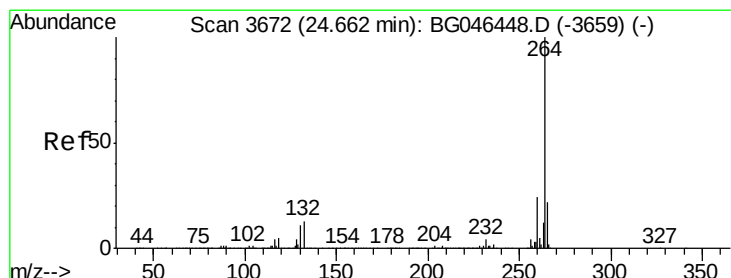
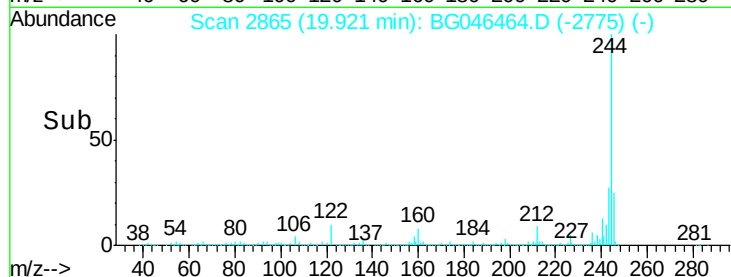
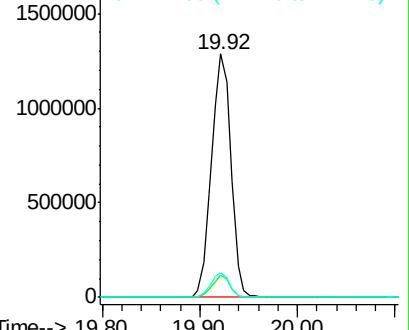
Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.9	10.3
122	10.2	8.2	12.4



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

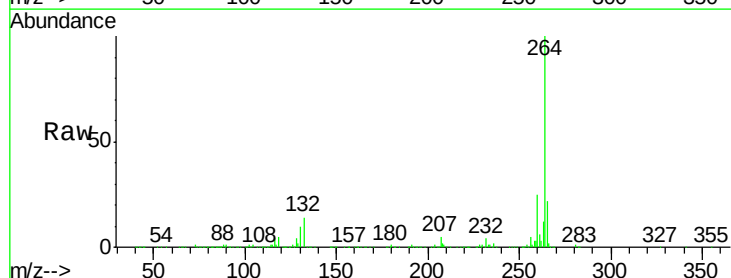
Delta R.T. -0.01 min

Lab File: BG046464.D

Acq: 26 Aug 2020 21:52

Tgt Ion:264 Resp: 533273

Ion	Ratio	Lower	Upper
264	100		
260	24.6	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

