

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082620\
 Data File : BG046468.D
 Acq On : 27 Aug 2020 00:34
 Operator : CG/JU
 Sample : L3785-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-18

Quant Time: Aug 27 01:35:28 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

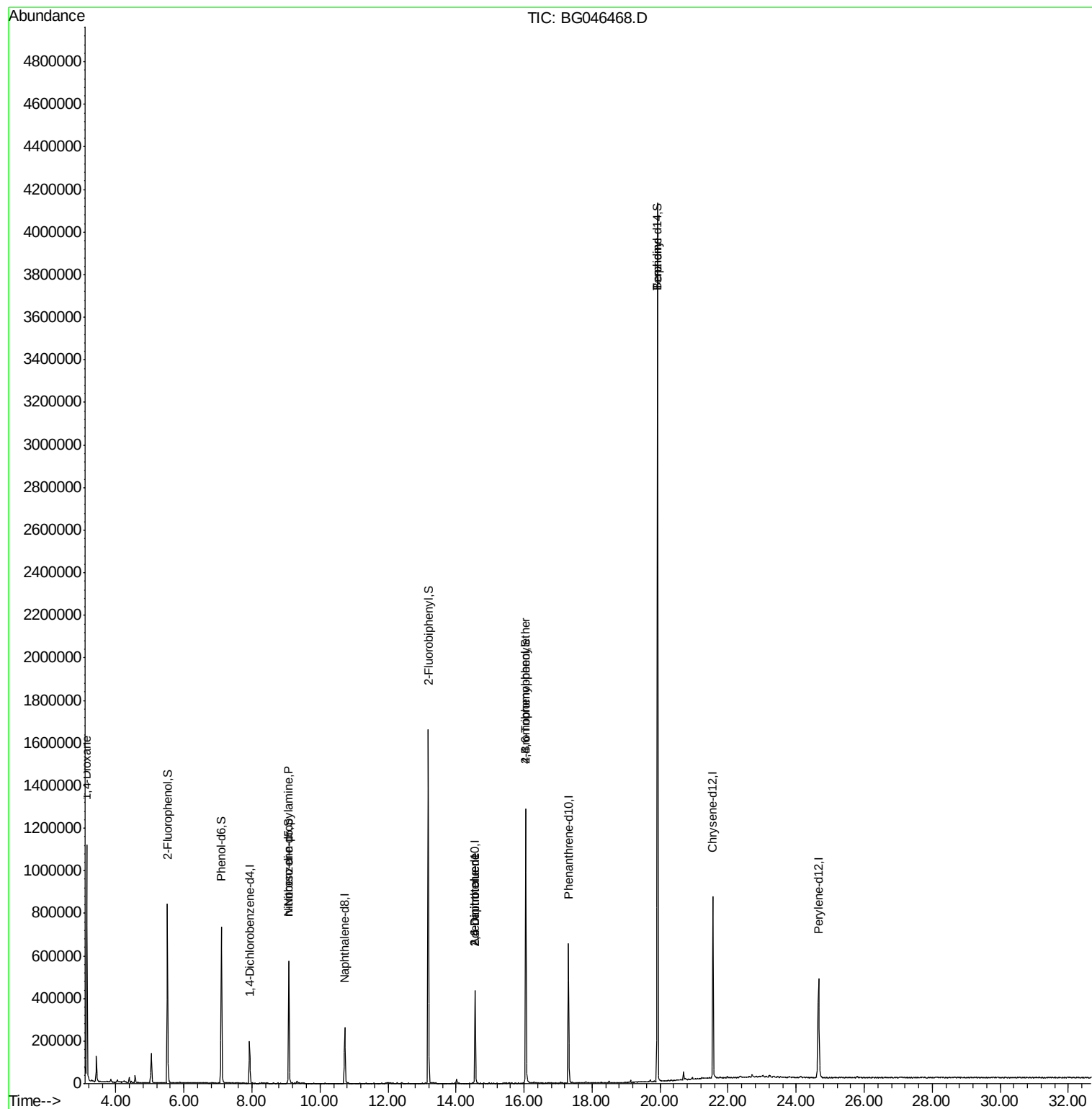
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	61165	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	244657	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	164651	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	436810	20.00	ng	0.00
76) Chrysene-d12	21.55	240	534702	20.00	ng	0.00
86) Perylene-d12	24.66	264	524070	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	395566	114.55	ng	0.00
7) Phenol-d6	7.10	99	463255	94.63	ng	0.00
23) Nitrobenzene-d5	9.08	82	370964	86.66	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	268706	120.45	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	914721	84.81	ng	0.00
79) Terphenyl-d14	19.92	244	1848529	73.57	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	9722	6.767	ng	# 1
19) n-Nitroso-di-n-propylamine	9.08	70	46975	16.042	ng	# 74
51) 2,6-Dinitrotoluene	14.56	165	21977	7.827	ng	# 33
57) 2,4-Dinitrotoluene	14.56	165	21977	5.489	ng	# 33
67) 4-Bromophenyl-phenylether	16.05	248	20490	4.021	ng	# 1
77) Benzidine	19.92	184	29152	2.346	ng	96

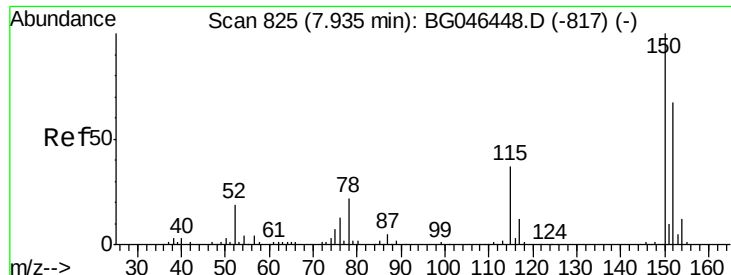
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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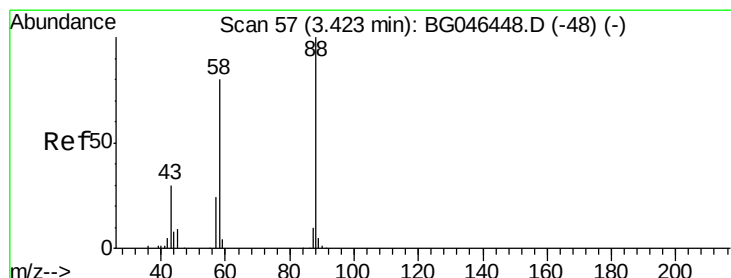
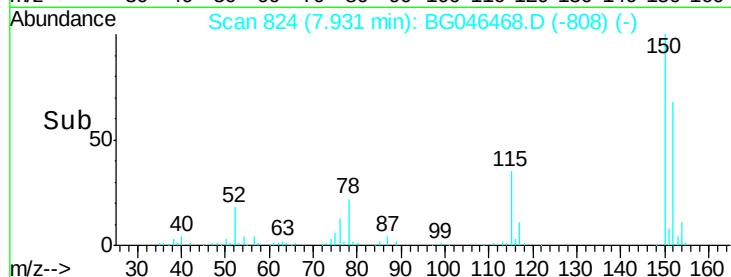
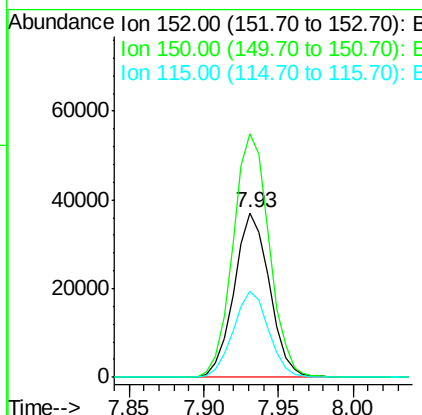
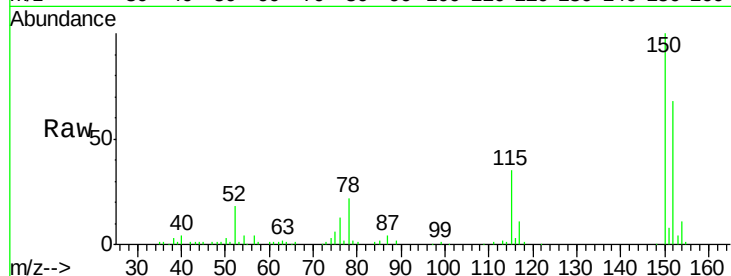


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046468.D
Acq: 27 Aug 2020 00:34

Instrument :
BNA_G
ClientSampleId :
CHRT-18

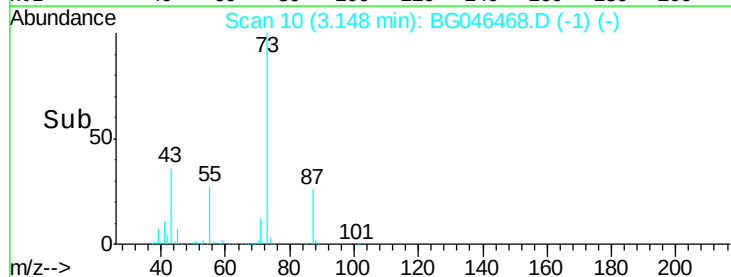
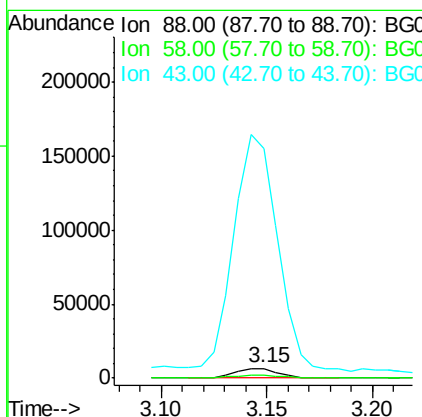
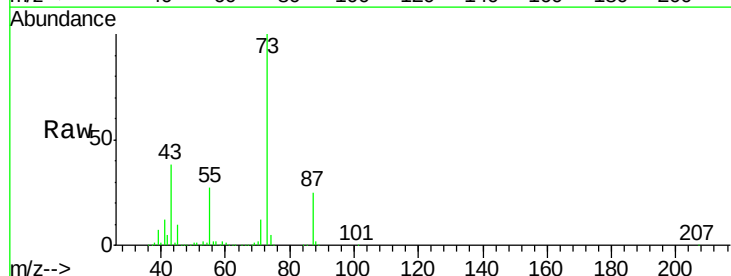
Tot Ion:152 Resp: 61165
Ion Ratio Lower Upper
152 100
150 147.7 119.5 179.3
115 52.2 44.3 66.5

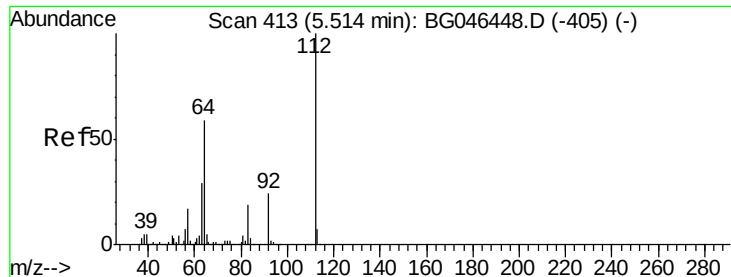


#2

1,4-Dioxane
Concen: 6.767 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.27 min
Lab File: BG046468.D
Acq: 27 Aug 2020 00:34

Tgt Ion: 88 Resp: 9722
Ion Ratio Lower Upper
88 100
58 23.9 61.4 92.2#
43 2364.3 21.6 32.4#





#5

2-Fluorophenol

Concen: 114.546 ng

RT: 5.52 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046468.D

Acq: 27 Aug 2020 00:34

Instrument :

BNA_G

ClientSampleId :

CHRT-18

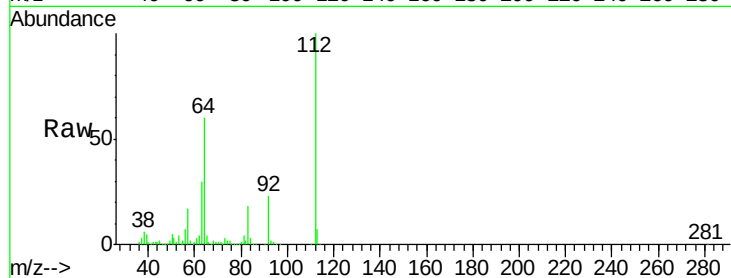
Tot Ion:112 Resp: 395566

Ion Ratio Lower Upper

112 100

64 60.3 47.0 70.6

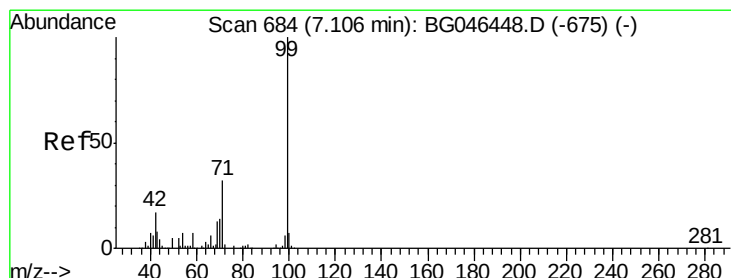
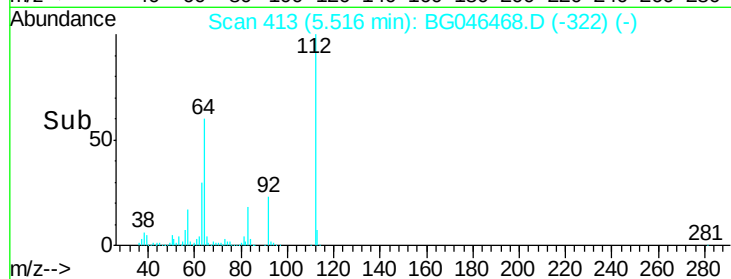
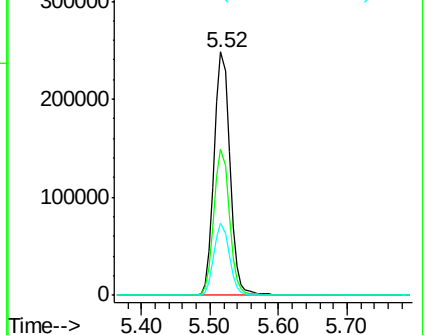
63 29.7 23.5 35.3



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: 94.629 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046468.D

Acq: 27 Aug 2020 00:34

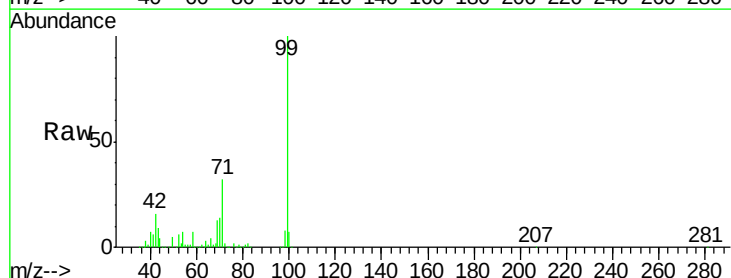
Tgt Ion: 99 Resp: 463255

Ion Ratio Lower Upper

99 100

42 16.4 13.3 19.9

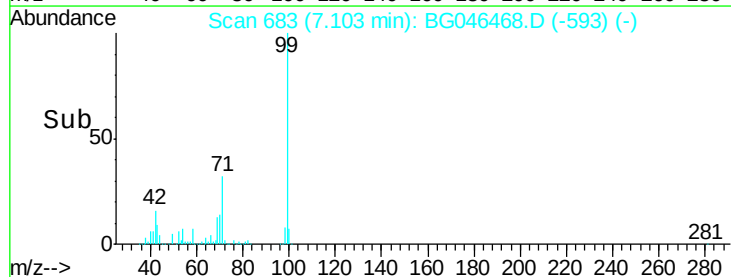
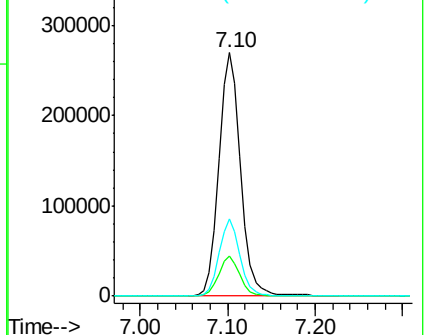
71 31.8 25.3 37.9

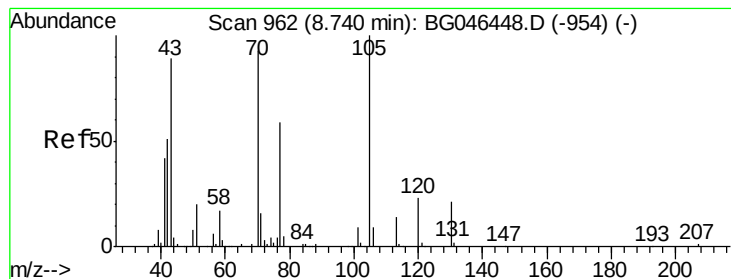


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 16.042 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.34 min

Lab File: BG046468.D

Acq: 27 Aug 2020 00:34

Instrument :

BNA_G

ClientSampleId :

CHRT-18

Tot Ion: 70 Resp: 46975

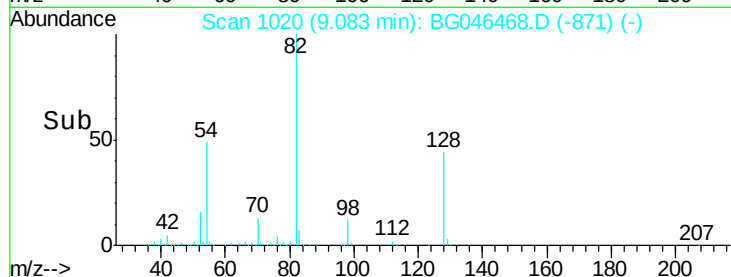
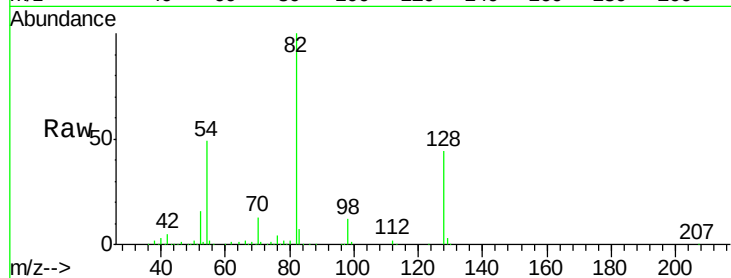
Ion Ratio Lower Upper

70 100

42 41.7 44.2 66.2#

101 0.0 7.8 11.8#

130 2.3 18.2 27.4#

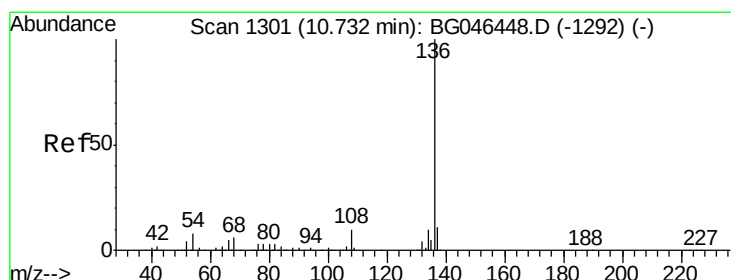
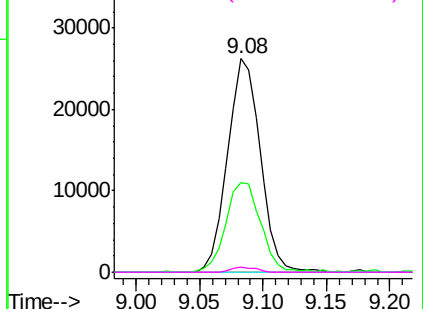


Abundance Ion 70.00 (69.70 to 70.70): BGC

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. -0.00 min

Lab File: BG046468.D

Acq: 27 Aug 2020 00:34

Tgt Ion: 136 Resp: 244657

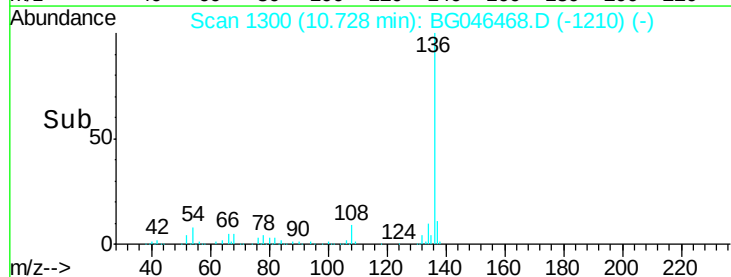
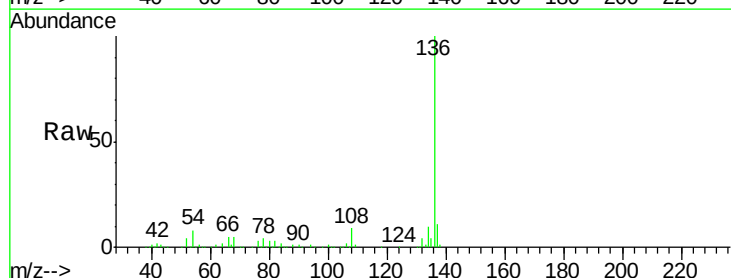
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.0 6.1 9.1

68 5.3 4.8 7.2

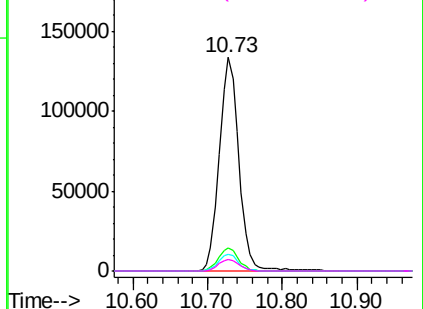


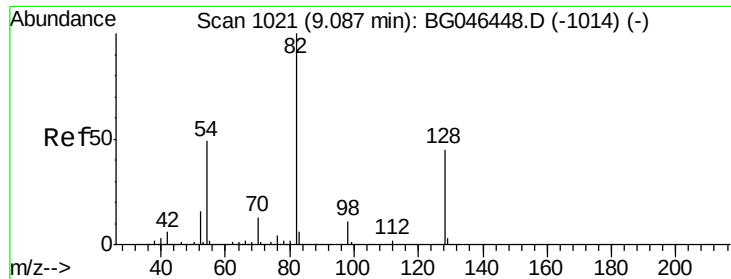
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

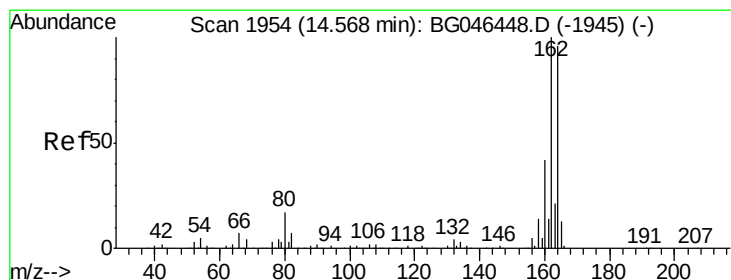
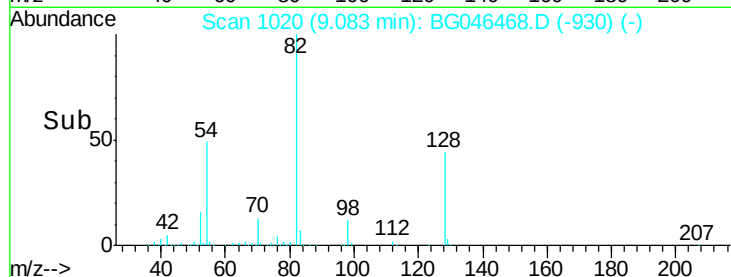
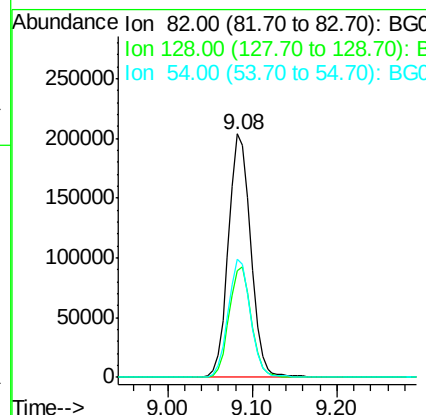
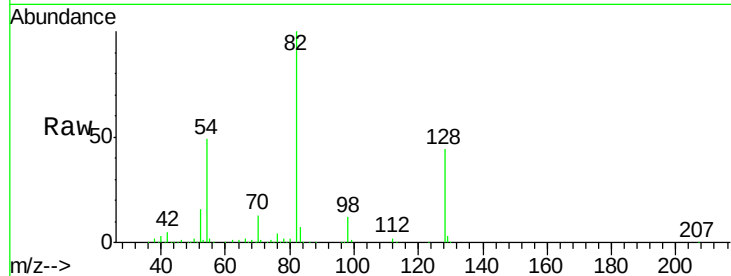




#23
 Nitrobenzene-d5
 Concen: 86.662 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG046468.D
 Acq: 27 Aug 2020 00:34

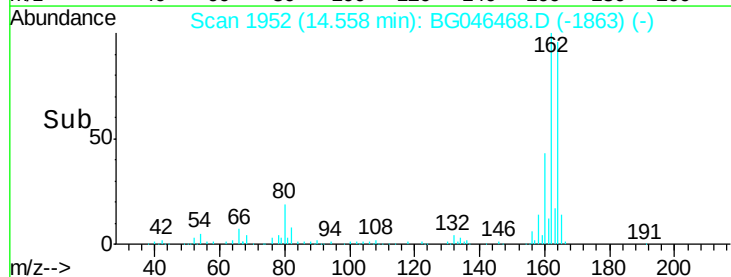
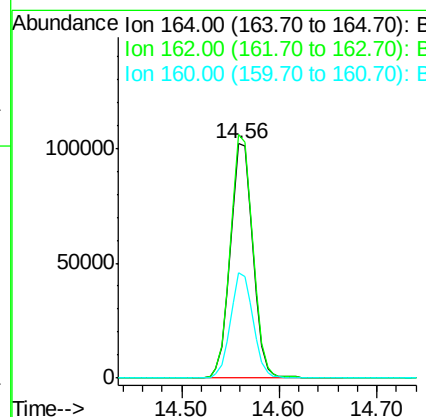
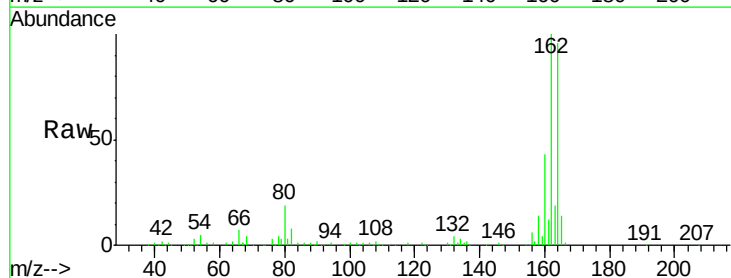
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-18

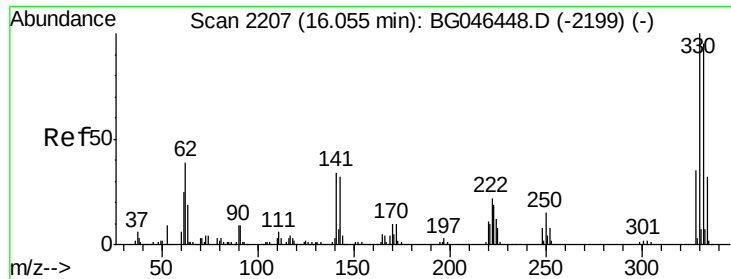
Tot Ion	82	Resp	370964
Ion Ratio	100	Lower	Upper
128	43.9	35.7	53.5
54	48.6	39.4	59.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: BG046468.D
 Acq: 27 Aug 2020 00:34

Tgt Ion	164	Resp	164651
Ion Ratio	100	Lower	Upper
162	103.9	83.3	124.9
160	44.8	35.0	52.6

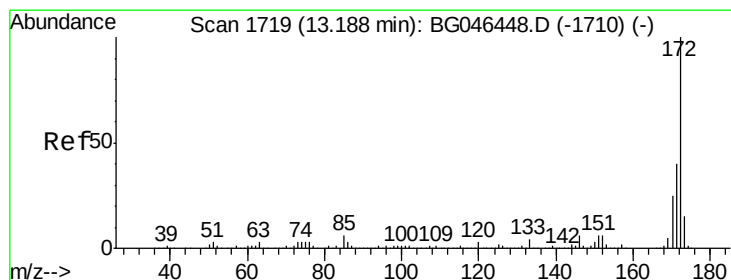
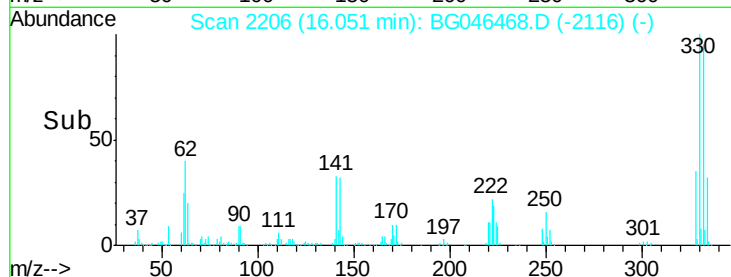
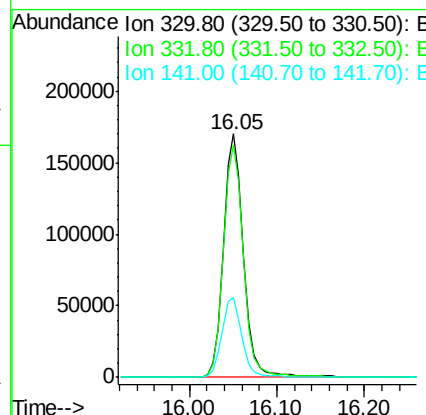
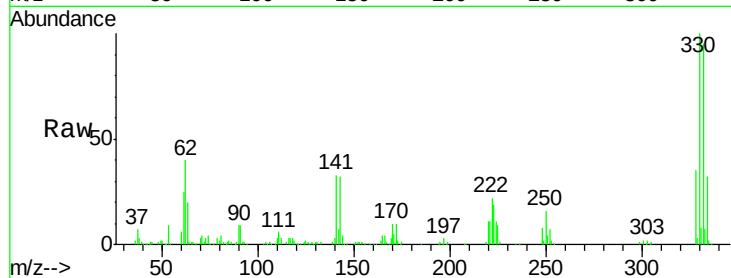




#42
 2,4,6-Tribromophenol
 Concen: 120.447 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BG046468.D
 Acq: 27 Aug 2020 00:34

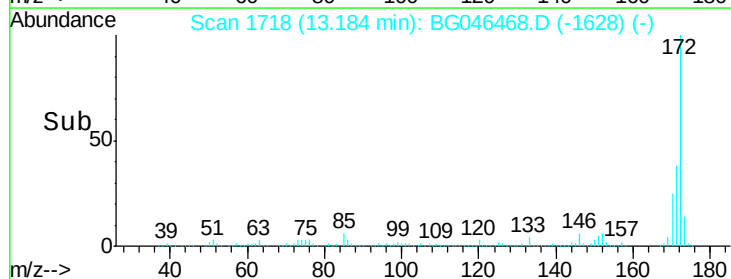
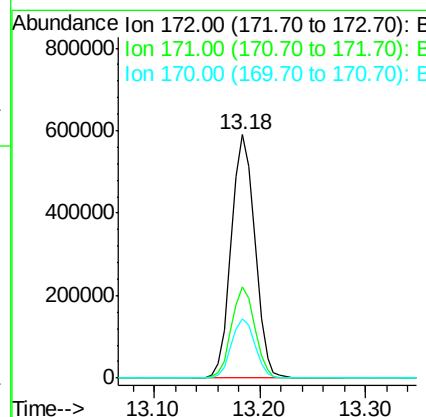
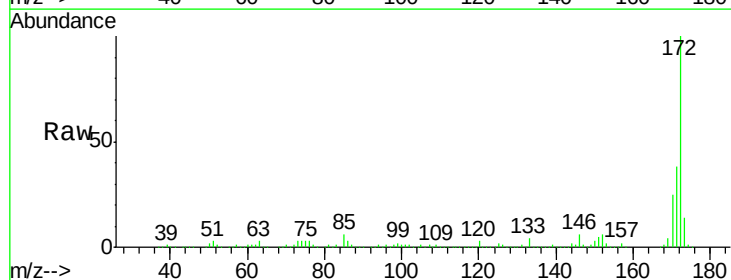
Instrument :
 BNA_G
 ClientSampled :
 CHRT-18

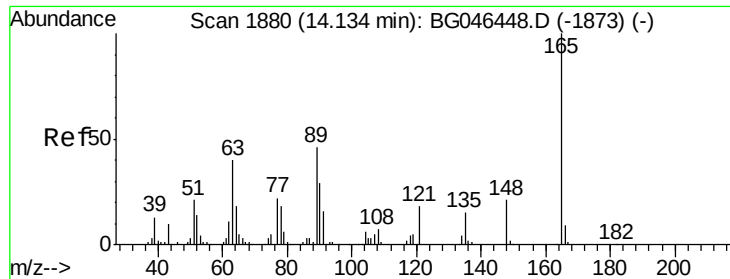
Tot Ion:330 Resp: 268706
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.1 114.1
 141 33.2 26.1 39.1



#45
 2-Fluorobiphenyl
 Concen: 84.808 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046468.D
 Acq: 27 Aug 2020 00:34

Tgt Ion:172 Resp: 914721
 Ion Ratio Lower Upper
 172 100
 171 37.7 31.8 47.6
 170 24.6 20.3 30.5

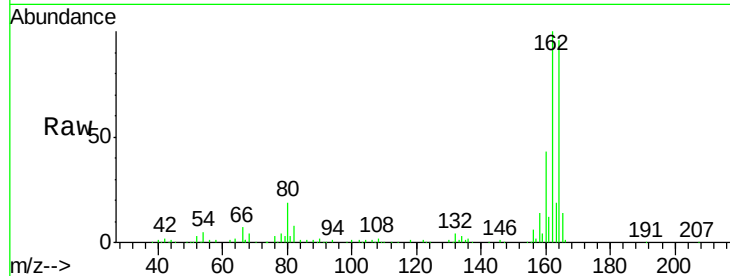




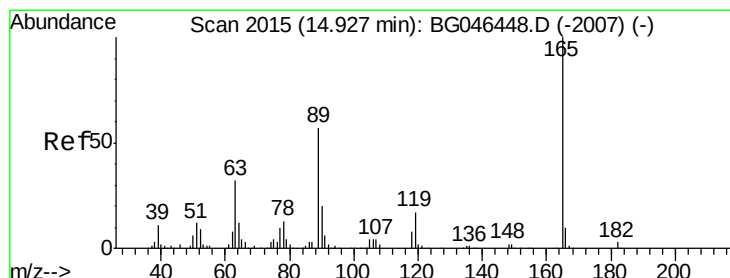
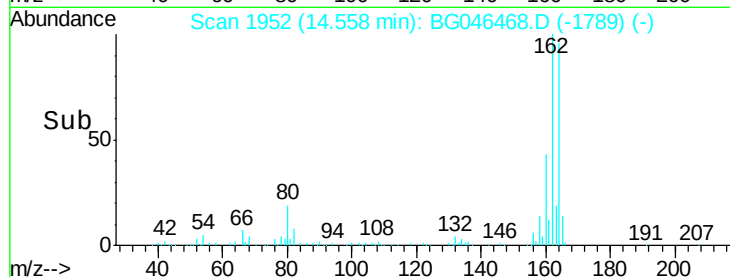
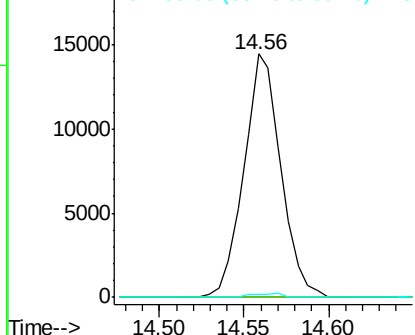
#51
 2,6-Dinitrotoluene
 Concen: 7.827 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.42 min
 Lab File: BG046468.D
 Acq: 27 Aug 2020 00:34

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-18

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.2	51.4#
89	1.3	37.0	55.4#

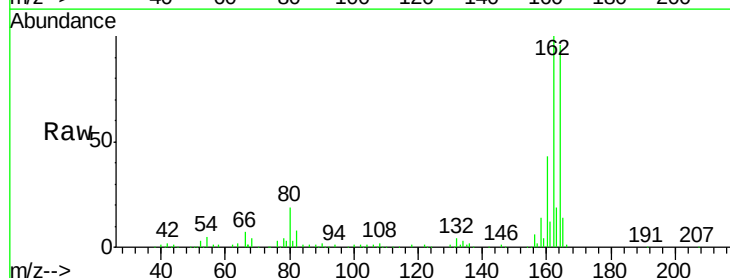


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

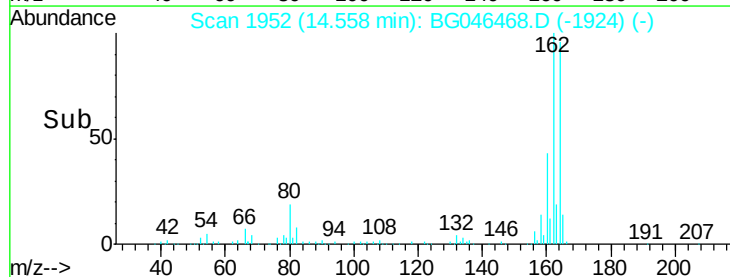
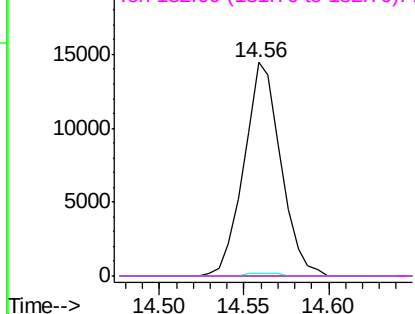


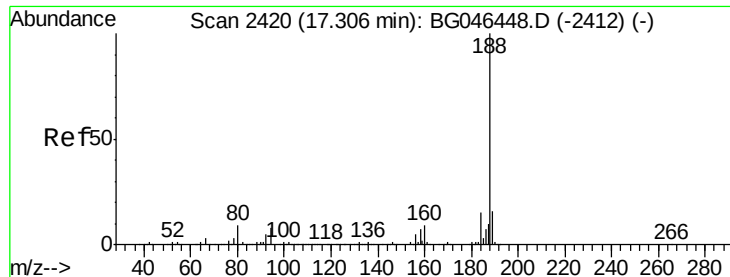
#57
 2,4-Dinitrotoluene
 Concen: 5.489 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046468.D
 Acq: 27 Aug 2020 00:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.3	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: 17.30 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BG046468.D

Acq: 27 Aug 2020 00:34

Instrument :

BNA_G

ClientSampleId :

CHRT-18

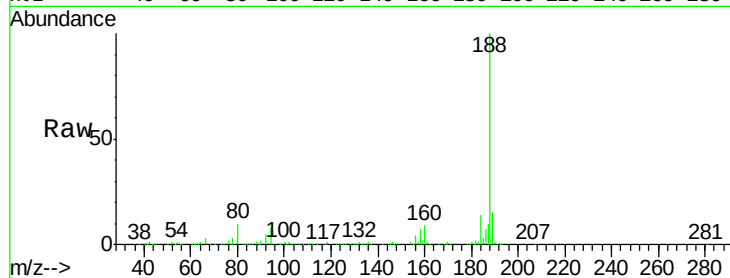
Tot Ion:188 Resp: 436810

Ion Ratio Lower Upper

188 100

94 7.9 6.3 9.5

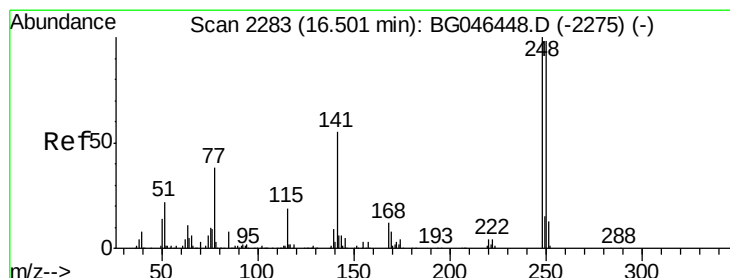
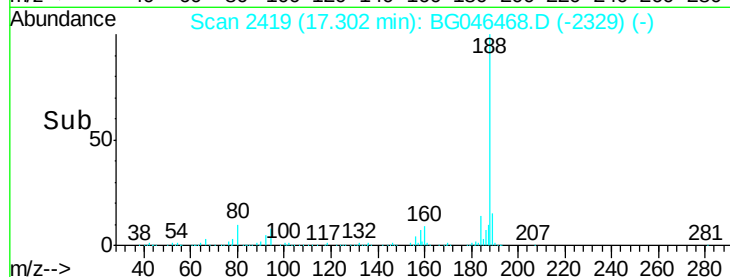
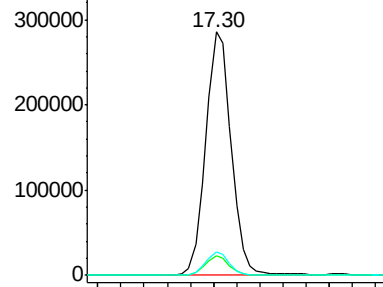
80 9.7 6.9 10.3



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: 4.021 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.45 min

Lab File: BG046468.D

Acq: 27 Aug 2020 00:34

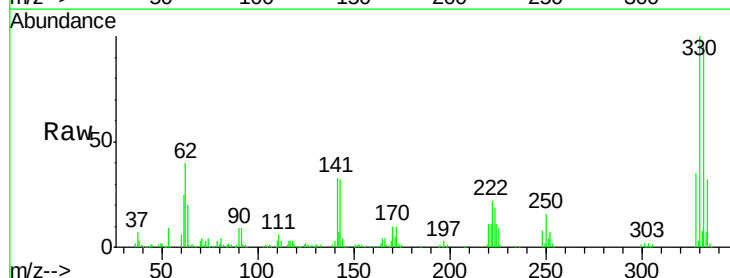
Tgt Ion:248 Resp: 20490

Ion Ratio Lower Upper

248 100

250 190.4 78.6 118.0#

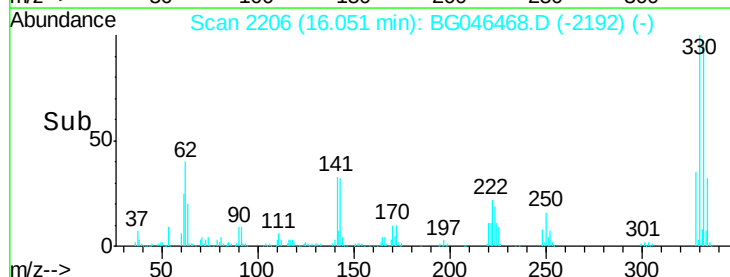
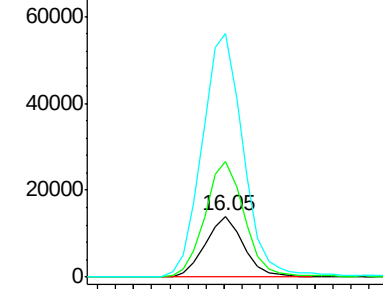
141 400.4 43.9 65.9#

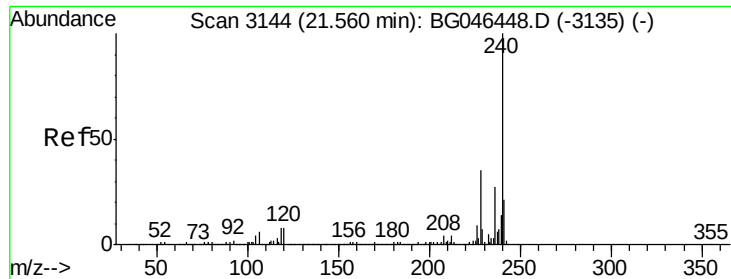


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

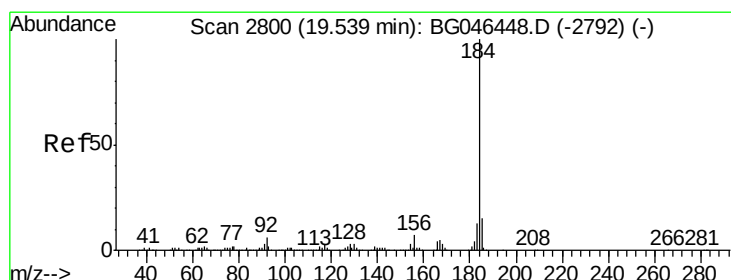
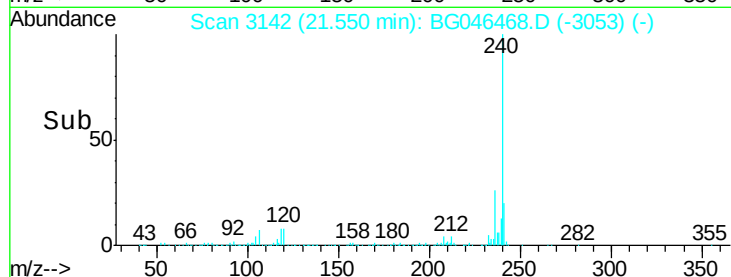
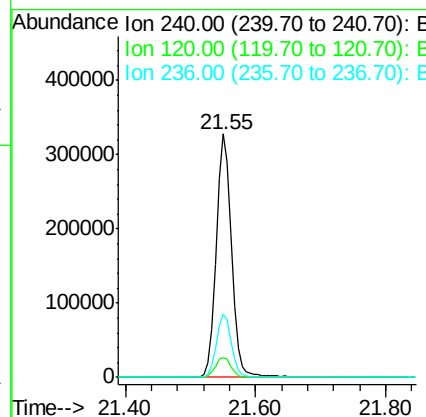
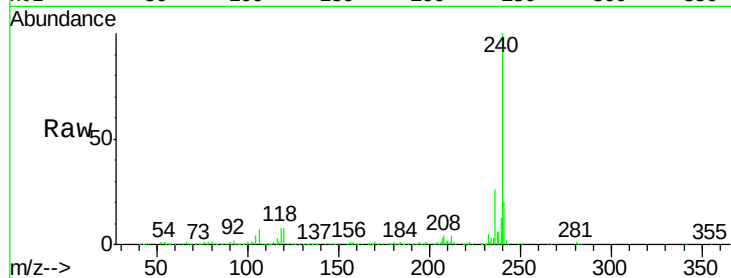




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG046468.D
Acq: 27 Aug 2020 00:34

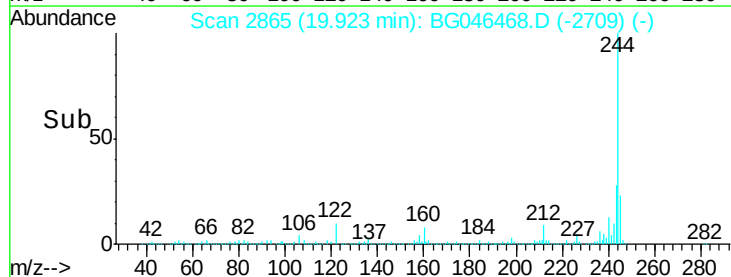
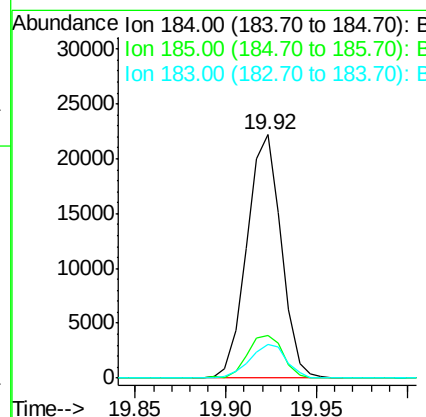
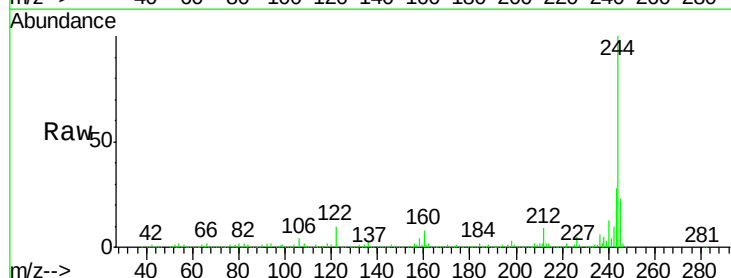
Instrument :
BNA_G
ClientSampleId :
CHRT-18

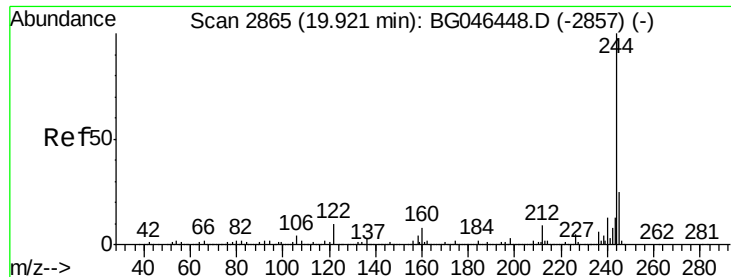
Tot Ion:240 Resp: 534702
Ion Ratio Lower Upper
240 100
120 8.2 6.6 10.0
236 26.1 21.4 32.2



#77
Benzidine
Concen: 2.346 ng
RT: 19.92 min Scan# 2865
Delta R.T. 0.38 min
Lab File: BG046468.D
Acq: 27 Aug 2020 00:34

Tgt Ion:184 Resp: 29152
Ion Ratio Lower Upper
184 100
185 17.3 11.8 17.8
183 13.9 10.7 16.1





#79

Terphenyl-d14

Concen: 73.574 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046468.D

Acq: 27 Aug 2020 00:34

Instrument :

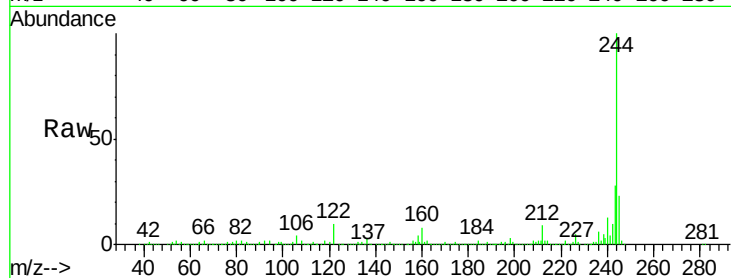
BNA_G

ClientSampleId :

CHRT-18

Tot Ion:244 Resp: 1848529

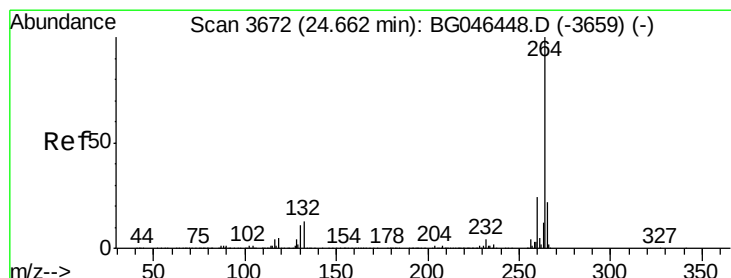
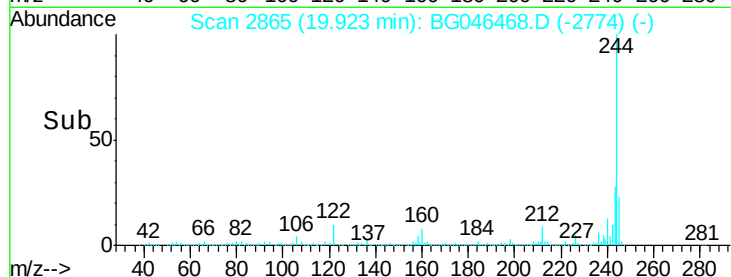
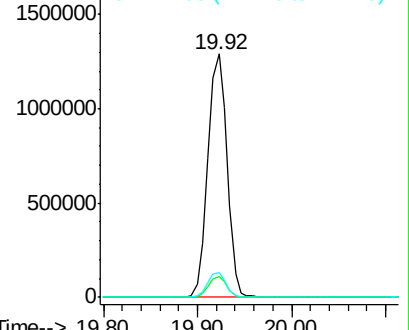
Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.9	10.3
122	10.0	8.2	12.4



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

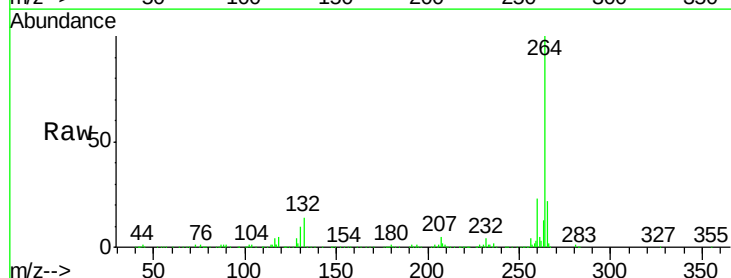
Delta R.T. -0.00 min

Lab File: BG046468.D

Acq: 27 Aug 2020 00:34

Tgt Ion:264 Resp: 524070

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.6	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

