

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082620\
 Data File : BG046467.D
 Acq On : 26 Aug 2020 23:53
 Operator : CG/JU
 Sample : L3785-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-09

Quant Time: Aug 27 01:35:06 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

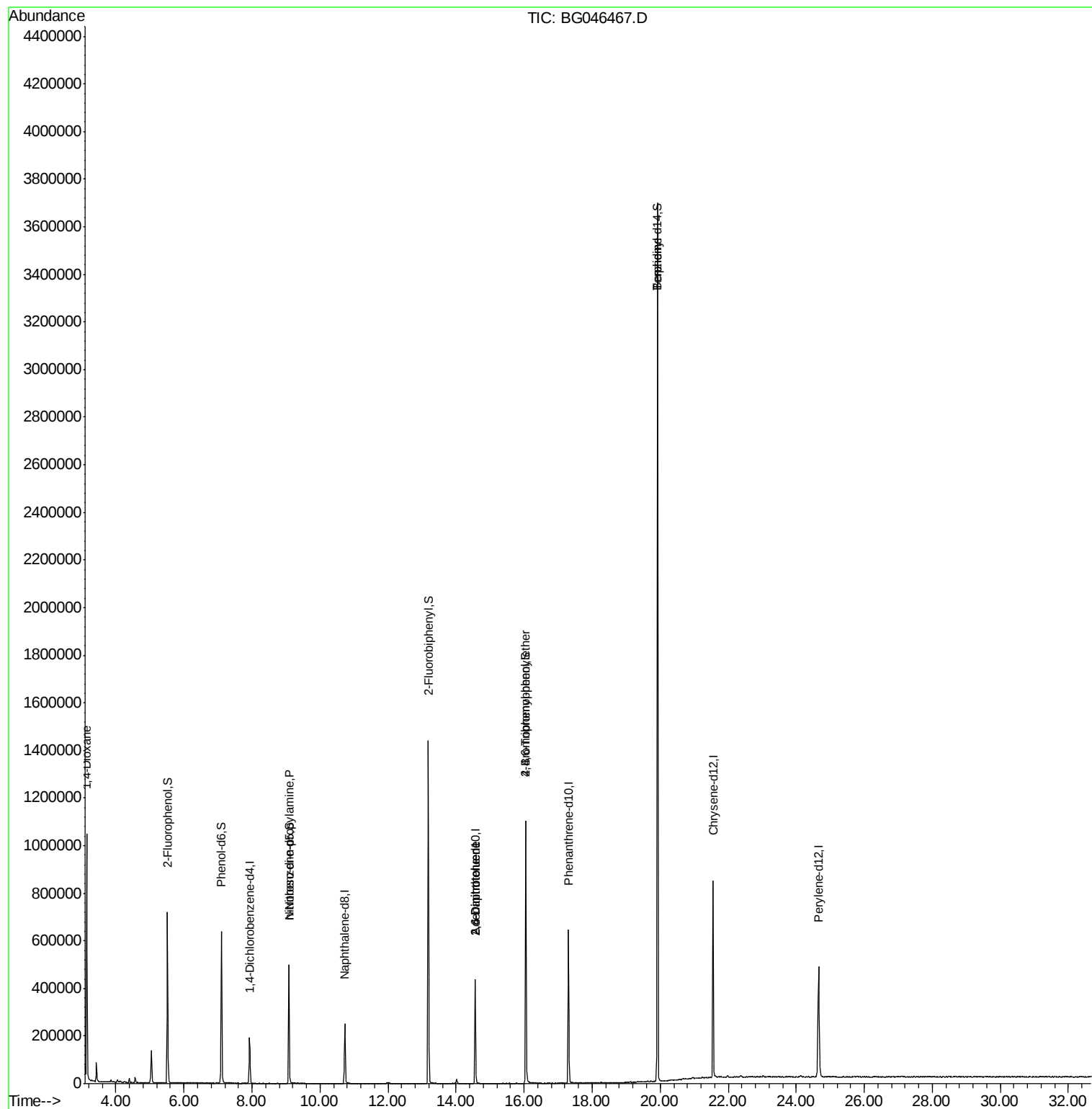
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	62009	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	239878	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	162047	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	434727	20.00	ng	0.00
76) Chrysene-d12	21.55	240	530941	20.00	ng	0.00
86) Perylene-d12	24.66	264	527288	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	348840	99.64	ng	0.00
7) Phenol-d6	7.10	99	412640	83.14	ng	0.00
23) Nitrobenzene-d5	9.09	82	322124	76.75	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	233038	106.14	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	811433	76.44	ng	0.00
79) Terphenyl-d14	19.92	244	1718207	68.87	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	8881	6.097	ng	# 1
19) n-Nitroso-di-n-propylamine	9.08	70	40564	13.664	ng	# 77
51) 2,6-Dinitrotoluene	14.56	165	21885	7.919	ng	# 34
57) 2,4-Dinitrotoluene	14.56	165	21885	5.554	ng	# 34
67) 4-Bromophenyl-phenylether	16.05	248	17521	3.455	ng	# 1
77) Benzidine	19.92	184	26409	2.141	ng	97

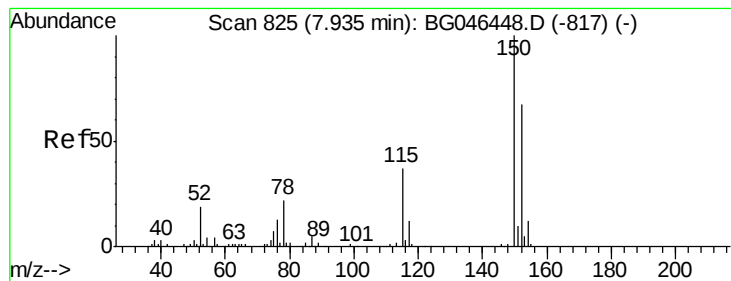
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.93 min Scan# 825

Delta R.T. 0.00 min

Lab File: BG046467.D

Acq: 26 Aug 2020 23:53

Instrument :

BNA_G

ClientSampleId :

CHRT-09

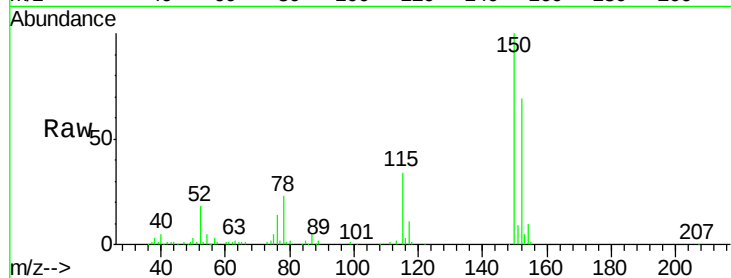
Tot Ion:152 Resp: 62009

Ion Ratio Lower Upper

152 100

150 144.5 119.5 179.3

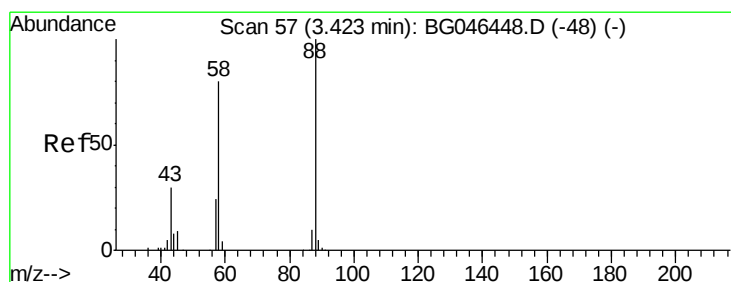
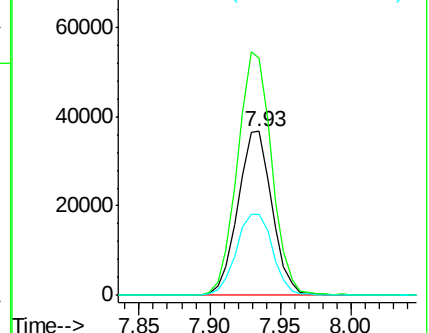
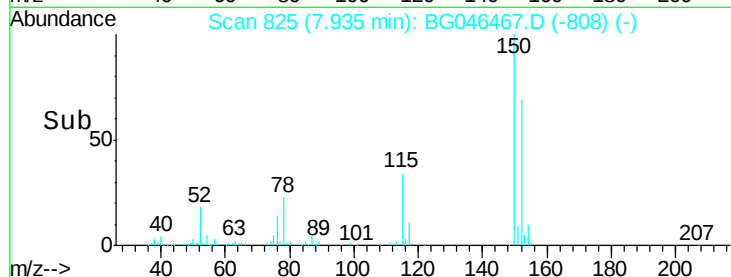
115 49.7 44.3 66.5



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: 6.097 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.28 min

Lab File: BG046467.D

Acq: 26 Aug 2020 23:53

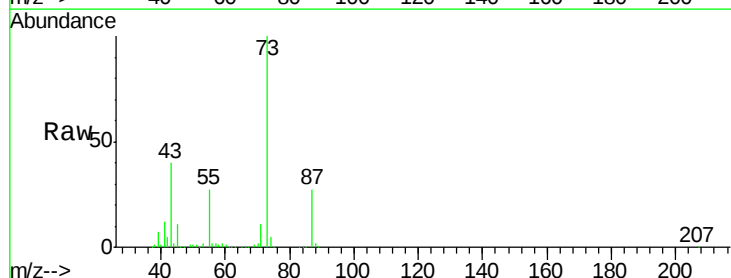
Tgt Ion: 88 Resp: 8881

Ion Ratio Lower Upper

88 100

58 25.5 61.4 92.2#

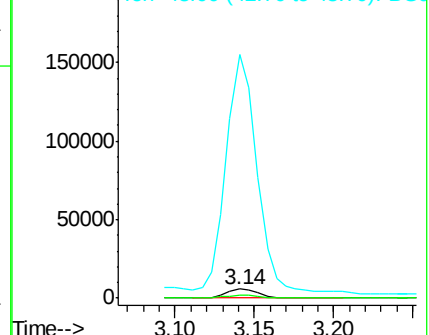
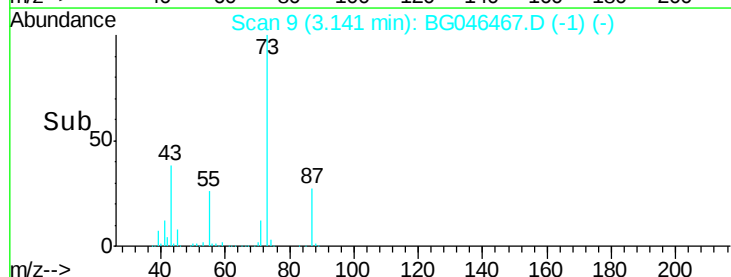
43 2400.9 21.6 32.4#

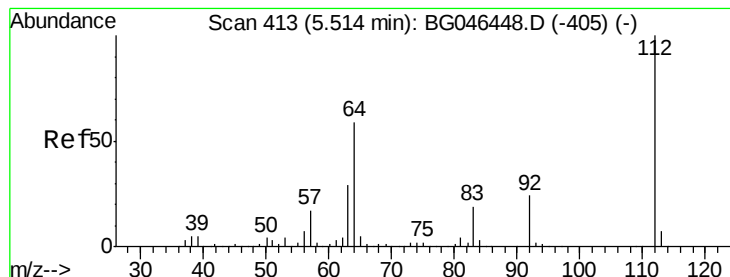


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 99.640 ng

RT: 5.51 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046467.D

Acq: 26 Aug 2020 23:53

Instrument :

BNA_G

ClientSampleId :

CHRT-09

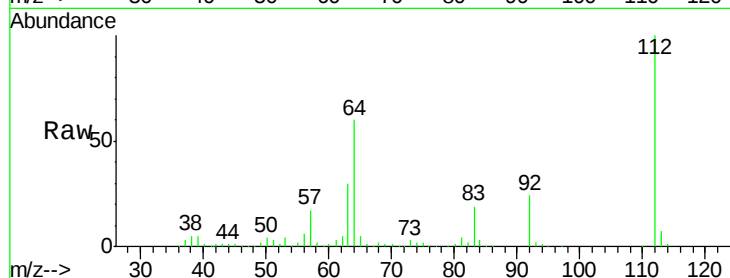
Tot Ion: 112 Resp: 348840

Ion Ratio Lower Upper

112 100

64 60.1 47.0 70.6

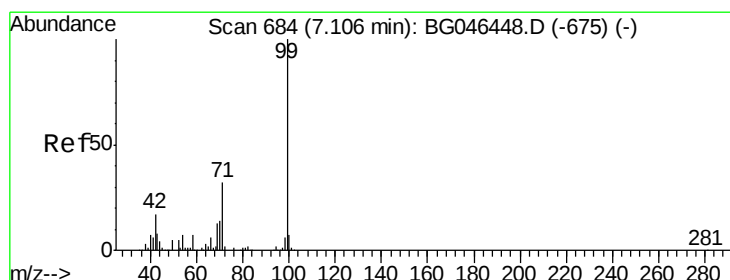
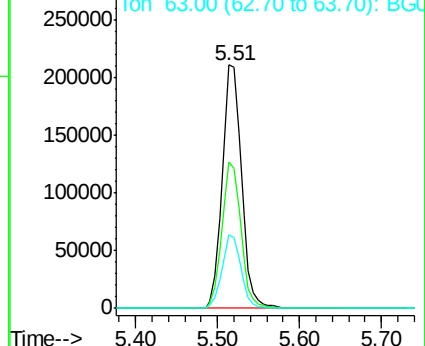
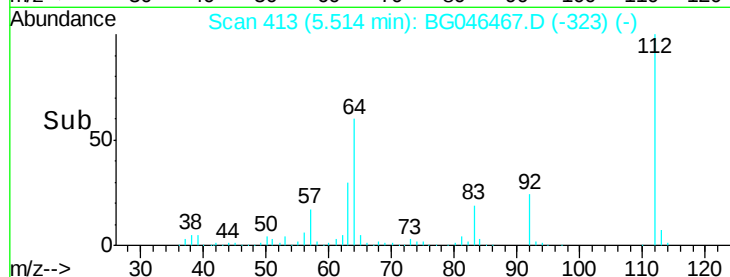
63 30.2 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 83.143 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG046467.D

Acq: 26 Aug 2020 23:53

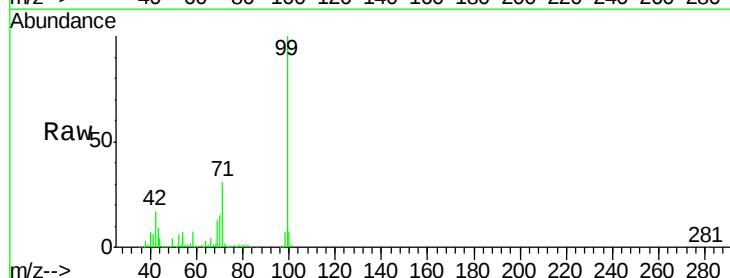
Tgt Ion: 99 Resp: 412640

Ion Ratio Lower Upper

99 100

42 16.6 13.3 19.9

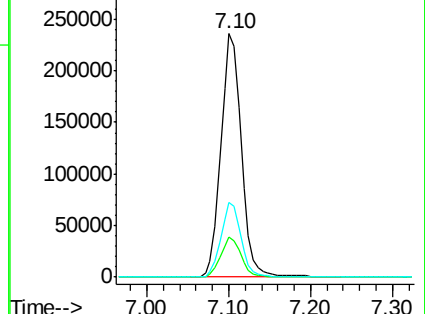
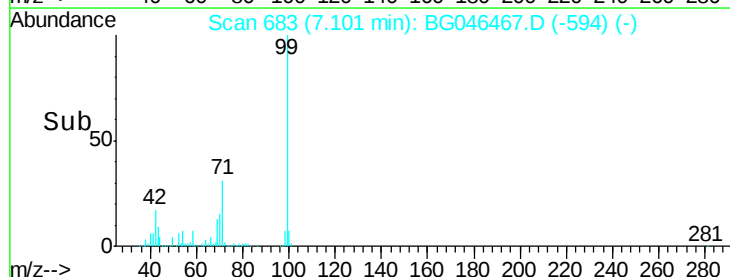
71 30.7 25.3 37.9

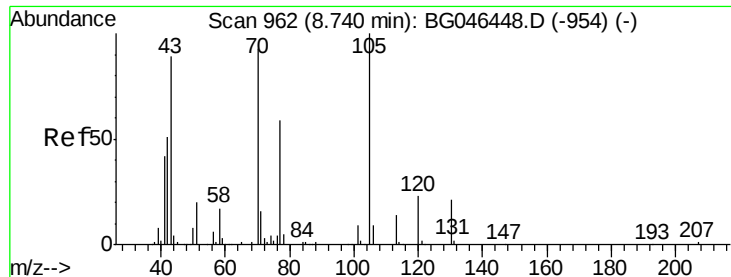


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B

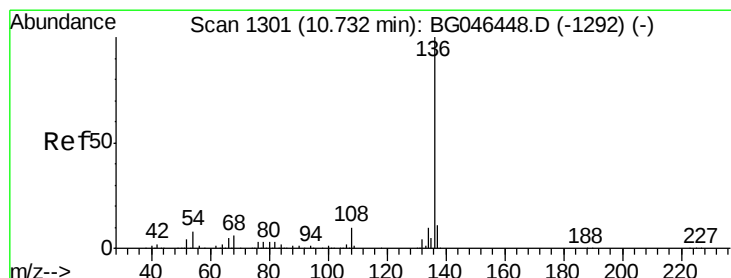
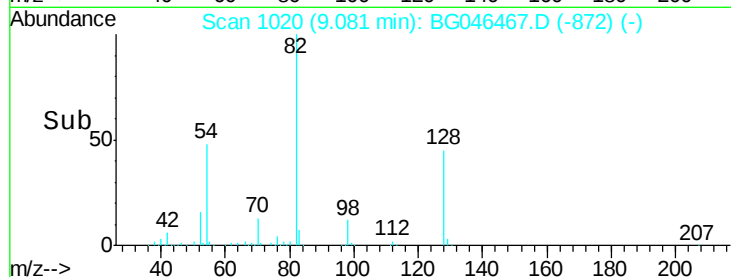
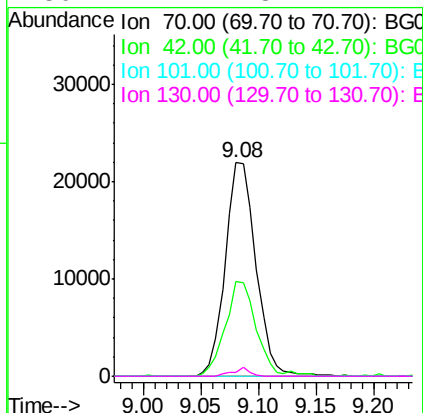
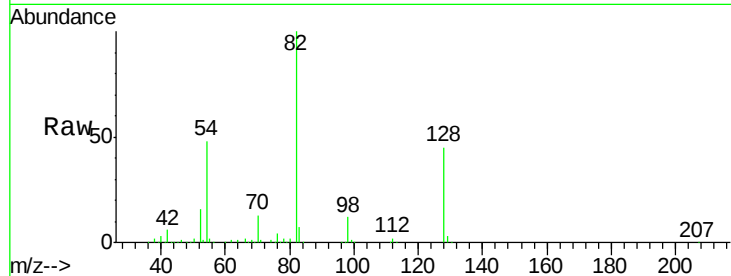




#19
n-Nitroso-di-n-propylamine
Concen: 13.664 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.34 min
Lab File: BG046467.D
Acq: 26 Aug 2020 23:53

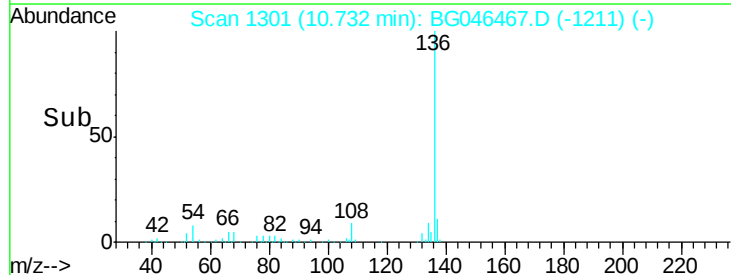
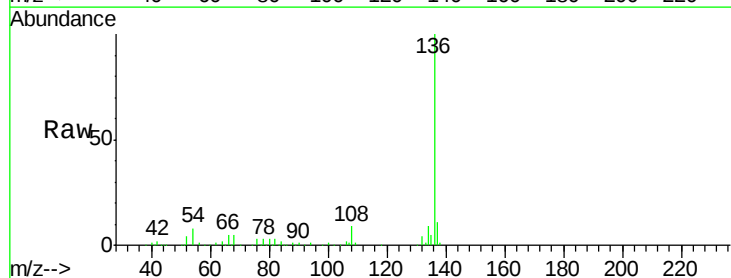
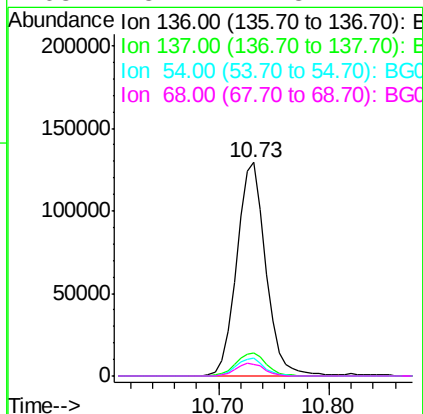
Instrument :
BNA_G
ClientSampleId :
CHRT-09

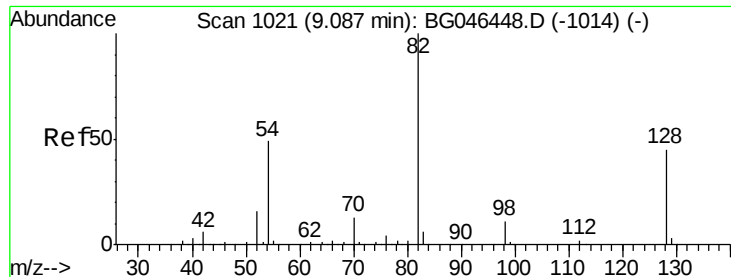
Tot Ion: 70 Resp: 40564
Ion Ratio Lower Upper
70 100
42 44.6 44.2 66.2
101 0.0 7.8 11.8#
130 2.1 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG046467.D
Acq: 26 Aug 2020 23:53

Tgt Ion: 136 Resp: 239878
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.2 6.1 9.1
68 5.4 4.8 7.2

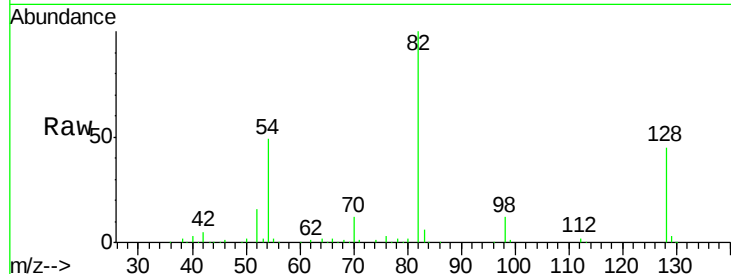




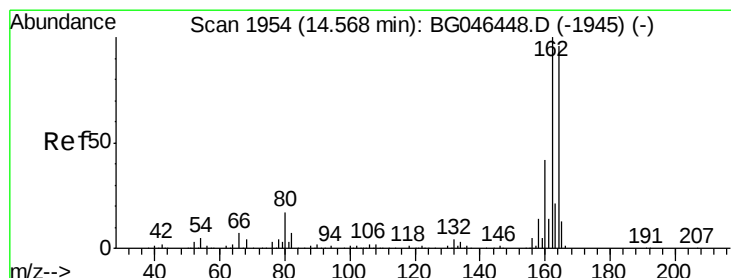
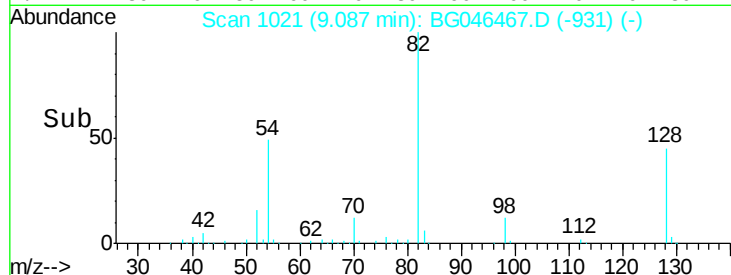
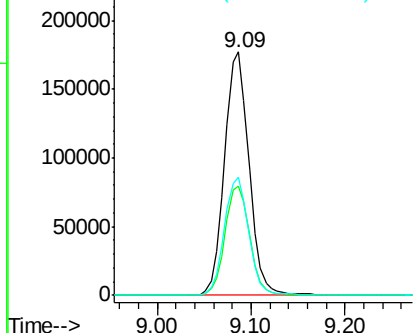
#23
Nitrobenzene-d5
Concen: 76.752 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG046467.D
Acq: 26 Aug 2020 23:53

Instrument :
BNA_G
ClientSampled :
CHRT-09

Tot Ion: 82 Resp: 322124
Ion Ratio Lower Upper
82 100
128 44.9 35.7 53.5
54 48.6 39.4 59.0

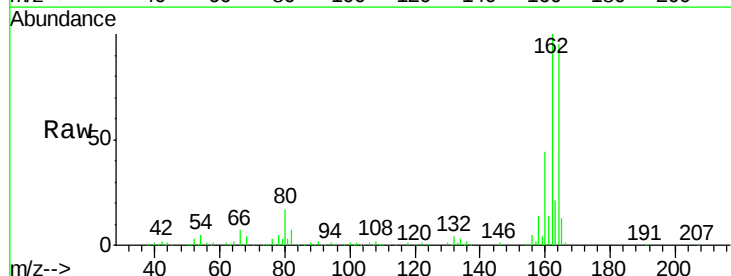


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

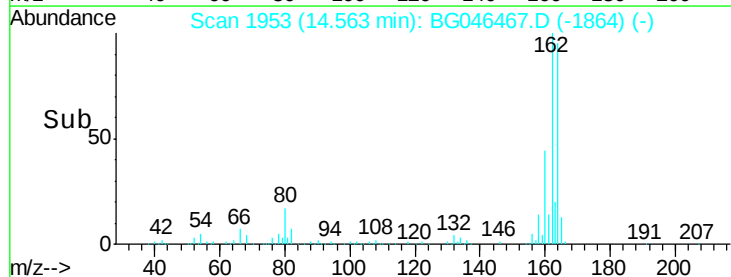
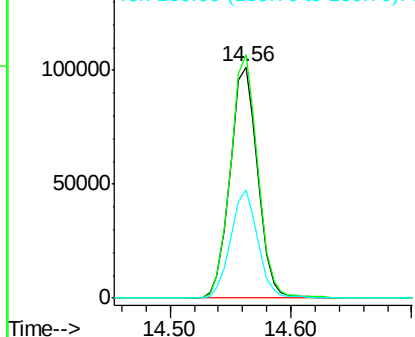


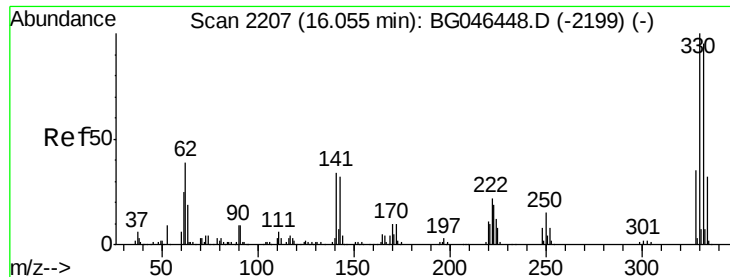
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BG046467.D
Acq: 26 Aug 2020 23:53

Tgt Ion:164 Resp: 162047
Ion Ratio Lower Upper
164 100
162 105.4 83.3 124.9
160 46.9 35.0 52.6



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 106.137 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BG046467.D

Acq: 26 Aug 2020 23:53

Instrument :

BNA_G

ClientSampleId :

CHRT-09

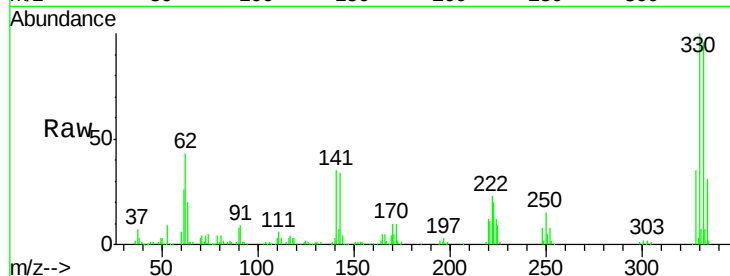
Tot Ion:330 Resp: 233038

Ion Ratio Lower Upper

330 100

332 94.6 76.1 114.1

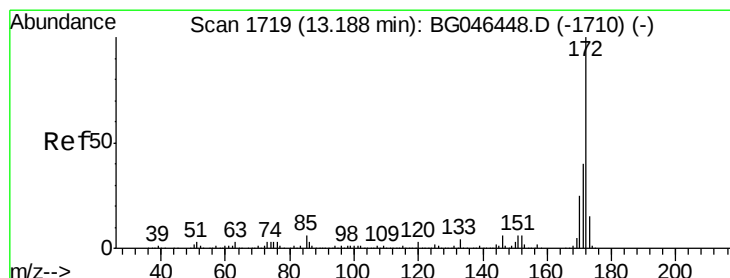
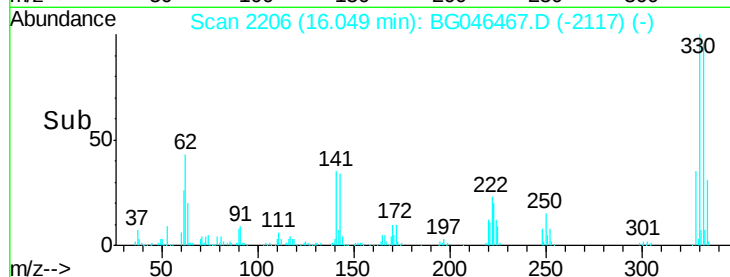
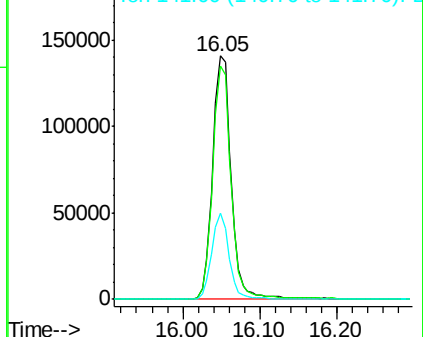
141 33.2 26.1 39.1



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: 76.441 ng

RT: 13.18 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BG046467.D

Acq: 26 Aug 2020 23:53

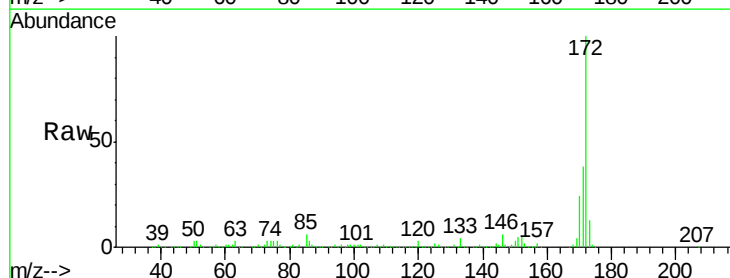
Tgt Ion:172 Resp: 811433

Ion Ratio Lower Upper

172 100

171 37.7 31.8 47.6

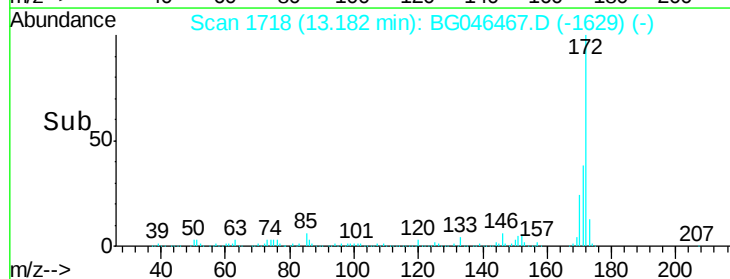
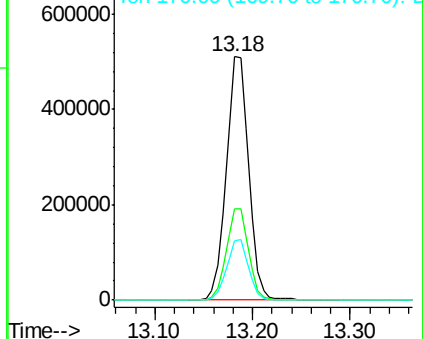
170 24.1 20.3 30.5

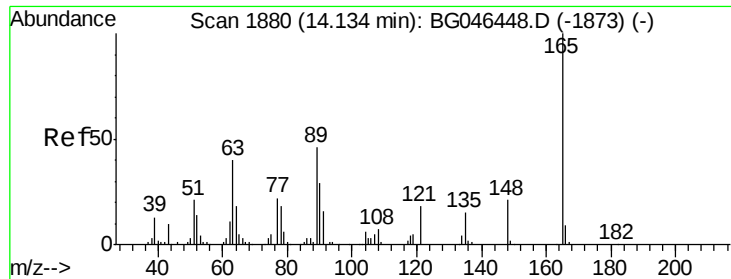


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

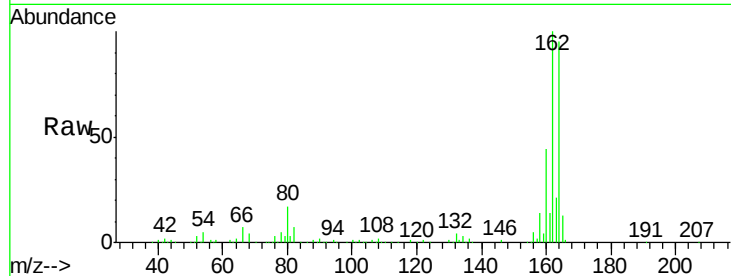




#51
 2,6-Dinitrotoluene
 Concen: 7.919 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.43 min
 Lab File: BG046467.D
 Acq: 26 Aug 2020 23:53

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-09

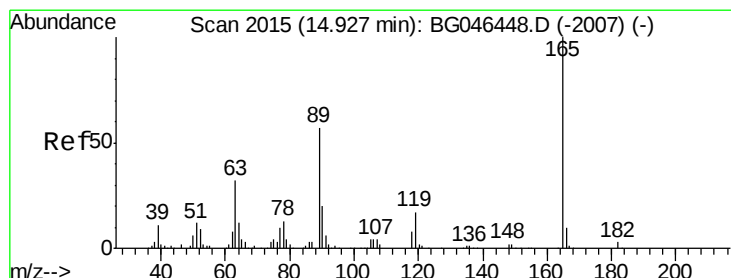
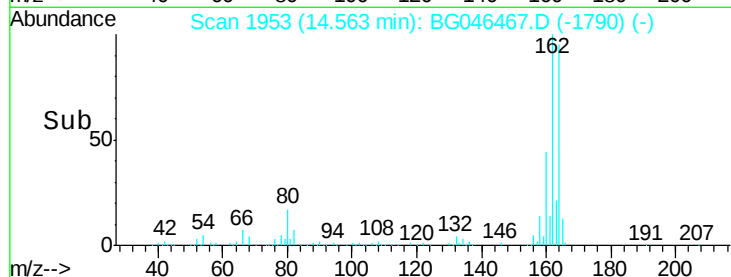
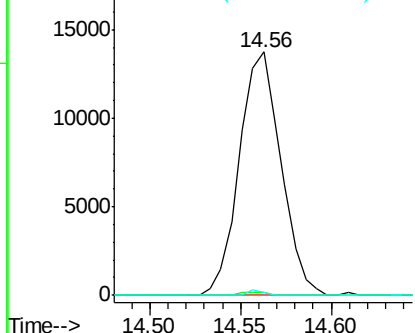
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.2	51.4#
89	1.5	37.0	55.4#



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: 5.554 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.36 min
 Lab File: BG046467.D
 Acq: 26 Aug 2020 23:53

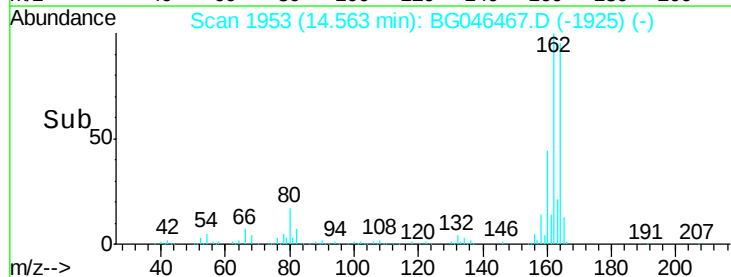
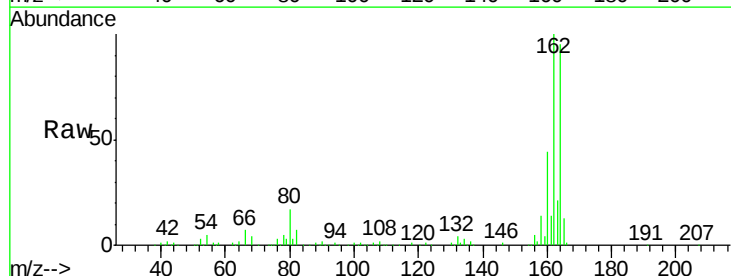
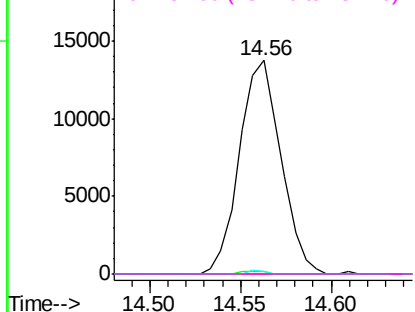
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.5	45.9	68.9#
182	0.0	2.3	3.5#

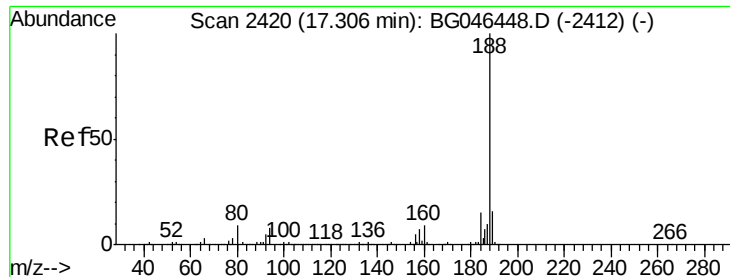
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG046467.D

Acq: 26 Aug 2020 23:53

Instrument :

BNA_G

ClientSampleId :

CHRT-09

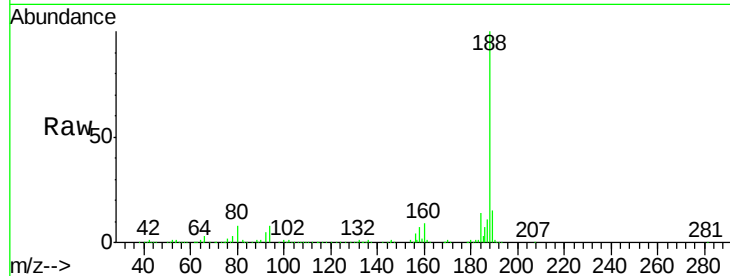
Tot Ion:188 Resp: 434727

Ion Ratio Lower Upper

188 100

94 8.0 6.3 9.5

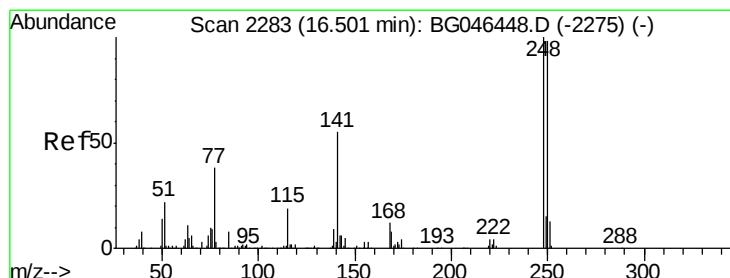
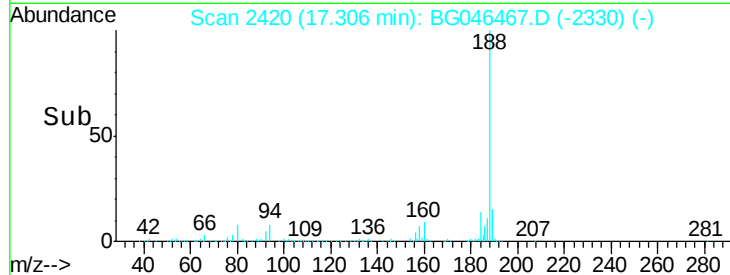
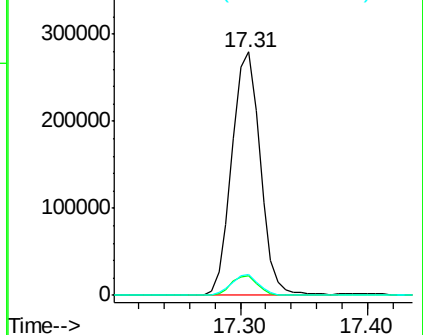
80 8.4 6.9 10.3



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: 3.455 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.45 min

Lab File: BG046467.D

Acq: 26 Aug 2020 23:53

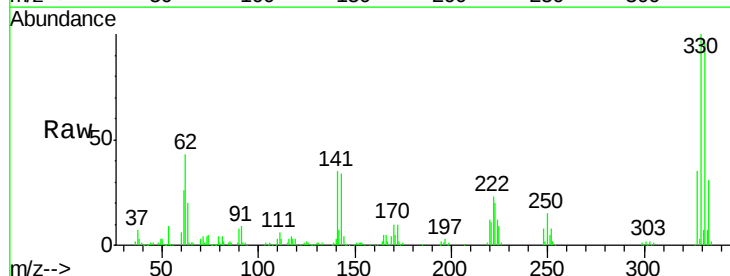
Tgt Ion:248 Resp: 17521

Ion Ratio Lower Upper

248 100

250 200.9 78.6 118.0#

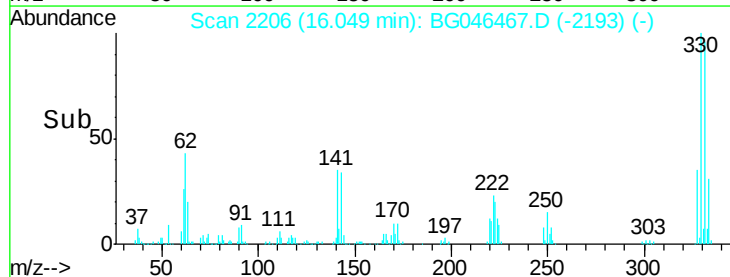
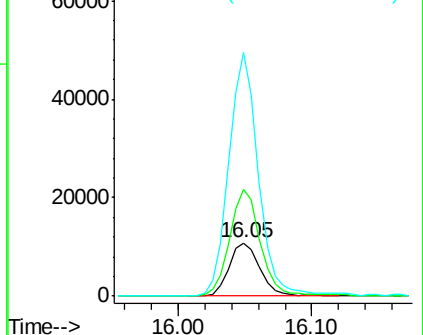
141 457.4 43.9 65.9#

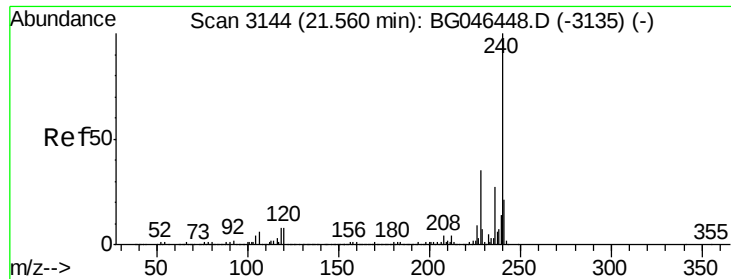


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

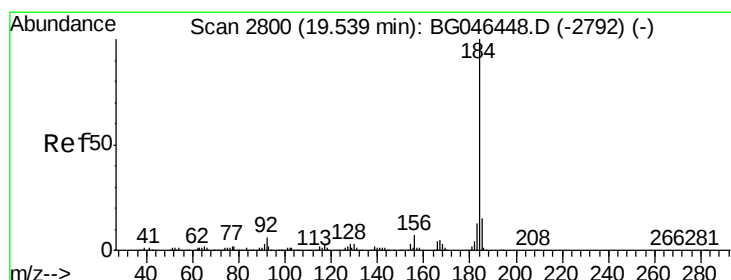
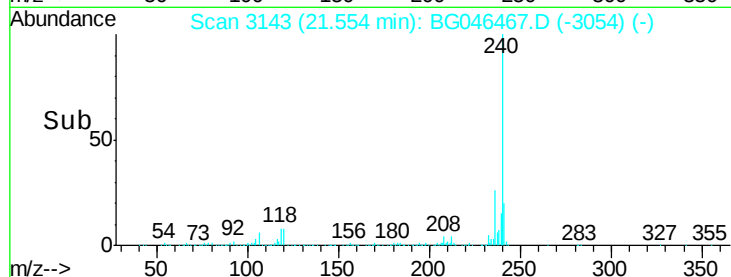
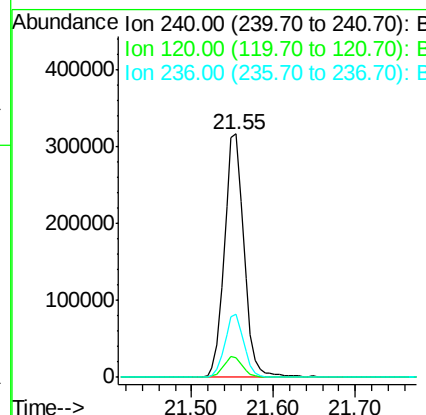
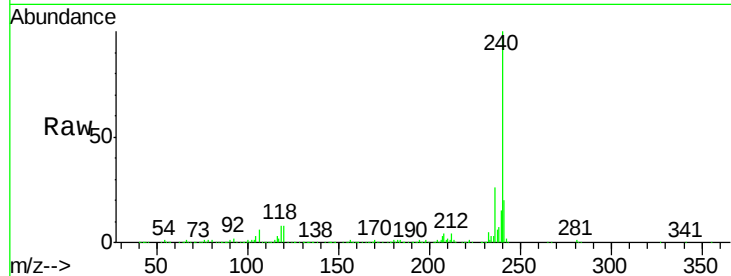




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG046467.D
Acq: 26 Aug 2020 23:53

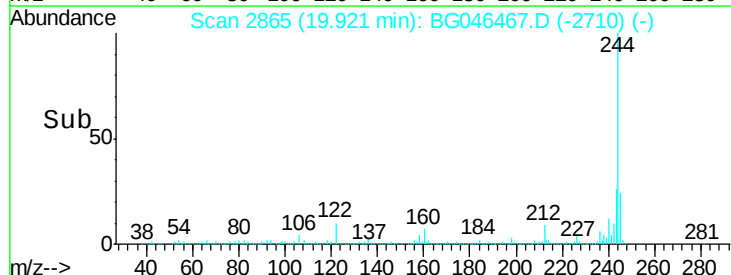
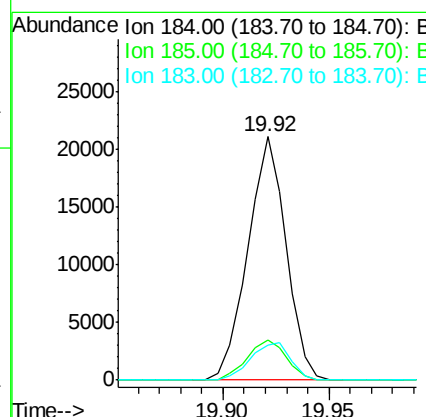
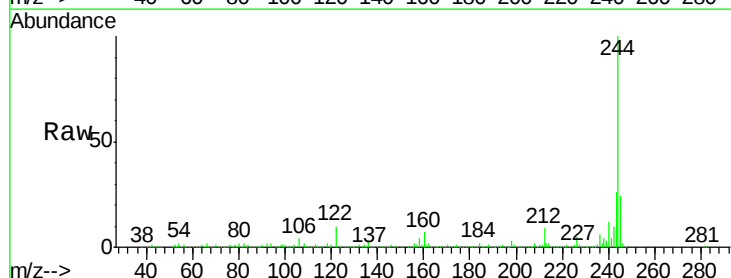
Instrument :
BNA_G
ClientSampleId :
CHRT-09

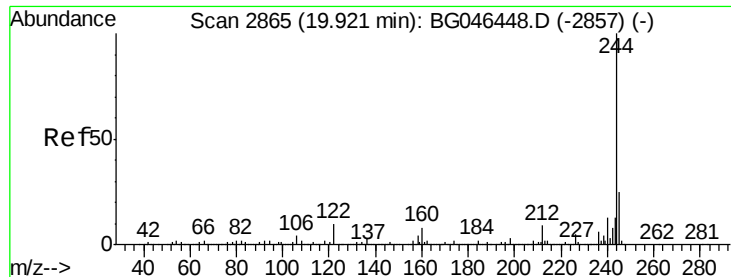
Tot Ion:240 Resp: 530941
Ion Ratio Lower Upper
240 100
120 8.2 6.6 10.0
236 26.2 21.4 32.2



#77
Benzidine
Concen: 2.141 ng
RT: 19.92 min Scan# 2865
Delta R.T. 0.38 min
Lab File: BG046467.D
Acq: 26 Aug 2020 23:53

Tgt Ion:184 Resp: 26409
Ion Ratio Lower Upper
184 100
185 16.7 11.8 17.8
183 14.2 10.7 16.1





#79

Terphenyl-d14

Concen: 68.871 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046467.D

Acq: 26 Aug 2020 23:53

Instrument :

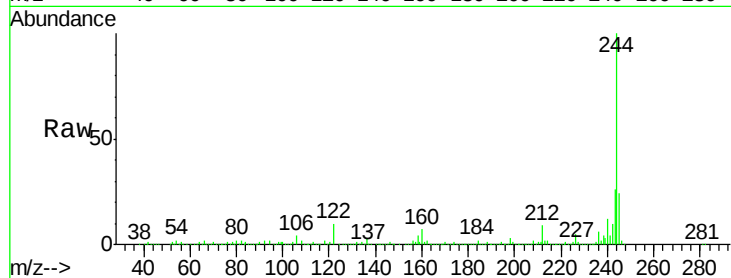
BNA_G

ClientSampleId :

CHRT-09

Tot Ion:244 Resp: 1718207

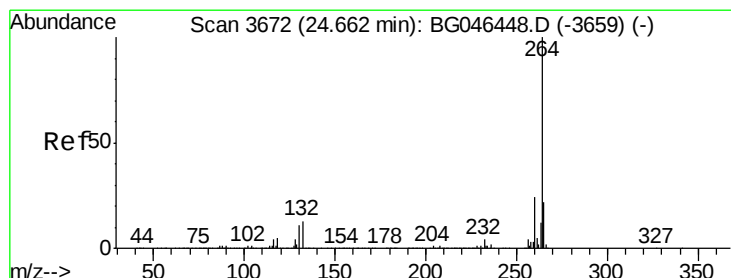
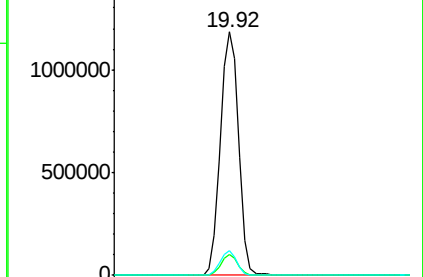
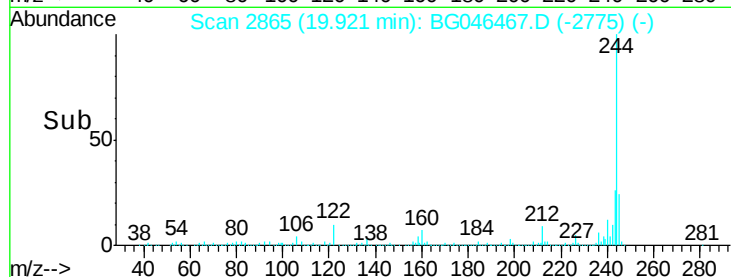
Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.9	10.3
122	9.9	8.2	12.4



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

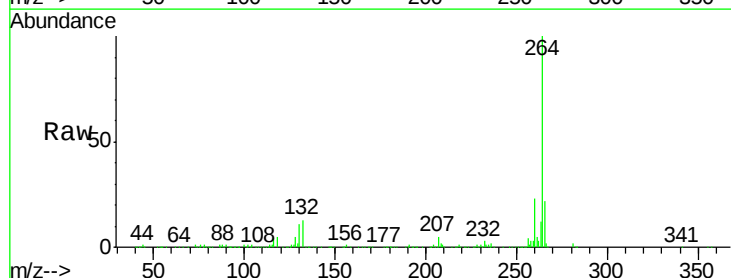
Delta R.T. -0.01 min

Lab File: BG046467.D

Acq: 26 Aug 2020 23:53

Tgt Ion:264 Resp: 527288

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	22.5	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

