

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG090920\
 Data File : BG046580.D
 Acq On : 9 Sep 2020 19:58
 Operator : CG/JU
 Sample : L3808-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Quant Time: Sep 09 20:34:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

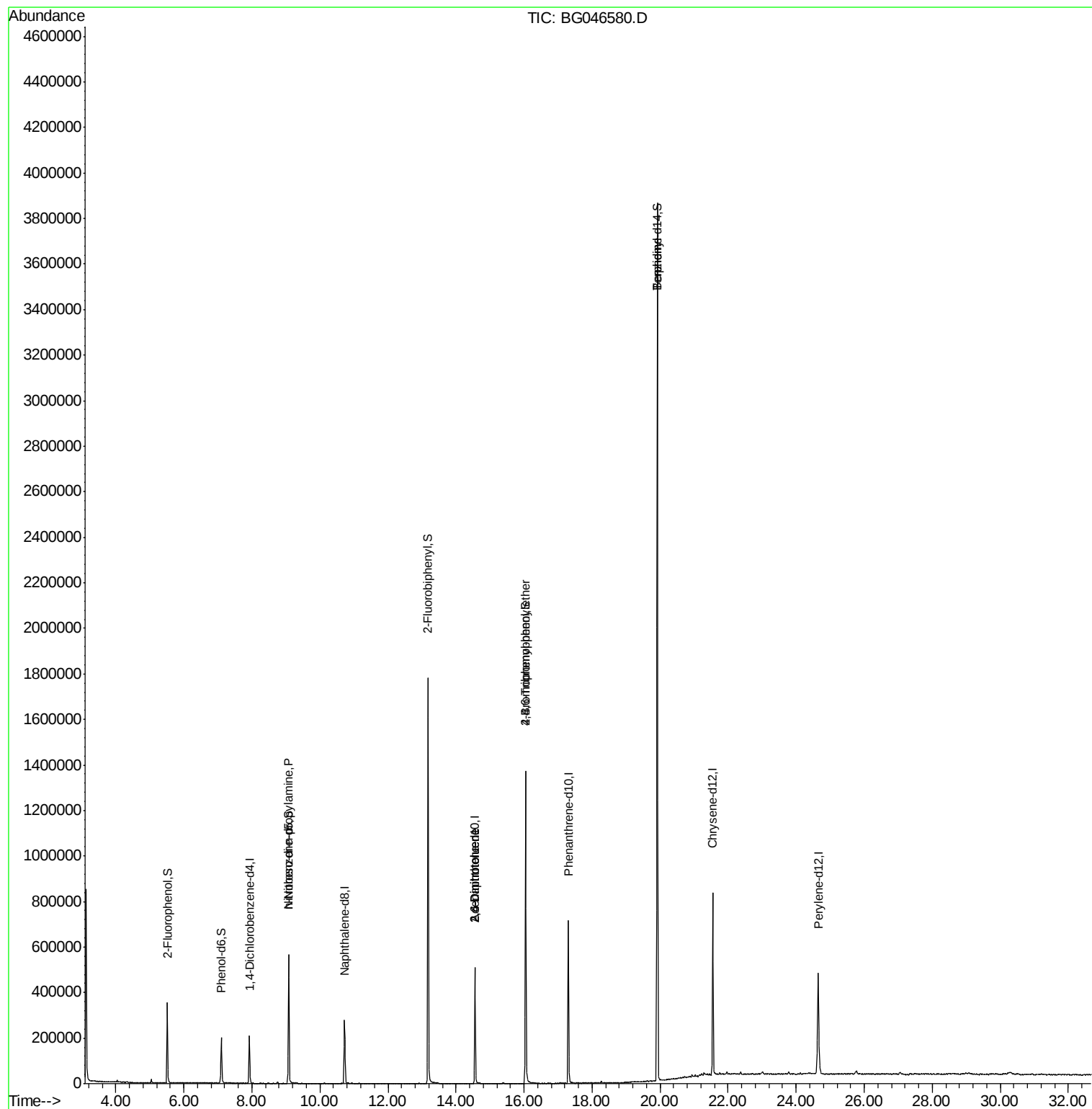
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	65556	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	270848	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	196815	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	496992	20.00	ng	0.00
76) Chrysene-d12	21.54	240	496284	20.00	ng	0.00
86) Perylene-d12	24.65	264	489469	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	172839	46.70	ng	0.00
7) Phenol-d6	7.10	99	135613	25.85	ng	0.00
23) Nitrobenzene-d5	9.08	82	375906	79.32	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	302938	113.60	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1019007	79.04	ng	0.00
79) Terphenyl-d14	19.92	244	1736174	74.45	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	48050	15.310	ng	# 73
51) 2,6-Dinitrotoluene	14.55	165	25706	7.659	ng	# 34
57) 2,4-Dinitrotoluene	14.55	165	25704	5.371	ng	# 34
67) 4-Bromophenyl-phenylether	16.05	248	22846	3.940	ng	# 1
77) Benzidine	19.92	184	26899	2.333	ng	# 92

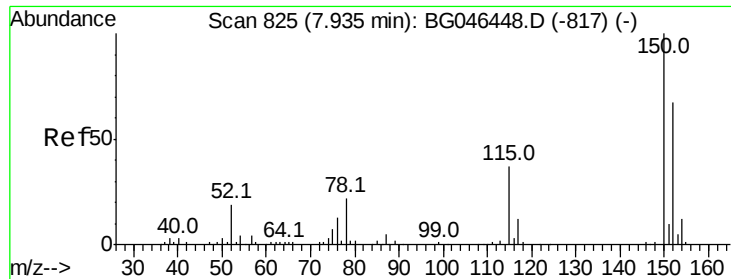
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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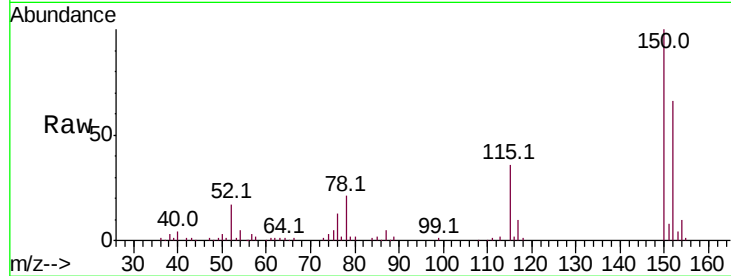


#1

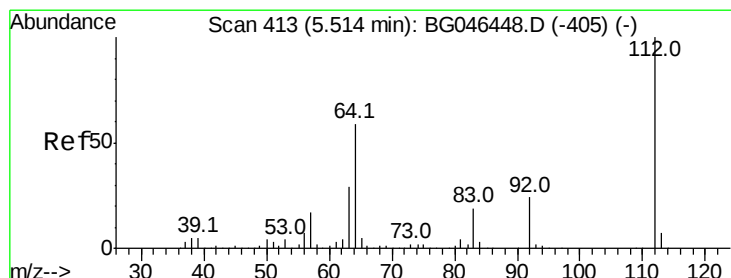
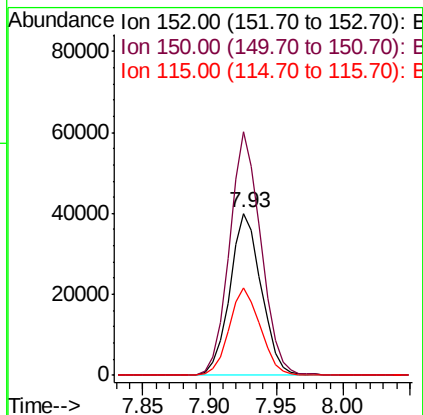
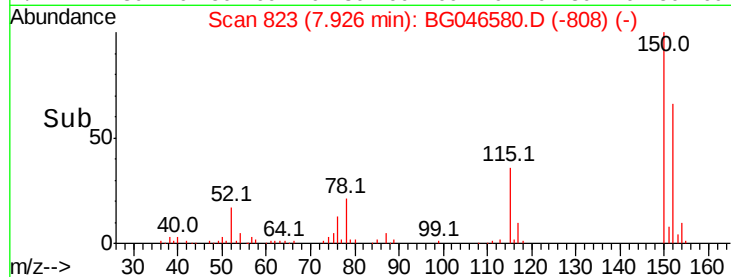
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BG046580.D
Acq: 9 Sep 2020 19:58

Instrument :
BNA_G
ClientSampleId :
FIELD-BLANK

Tot Ion:152 Resp: 65556
Ion Ratio Lower Upper
152 100
150 150.6 119.5 179.3
115 53.9 44.3 66.5



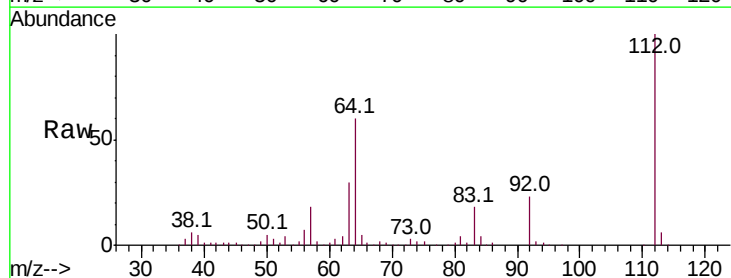
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



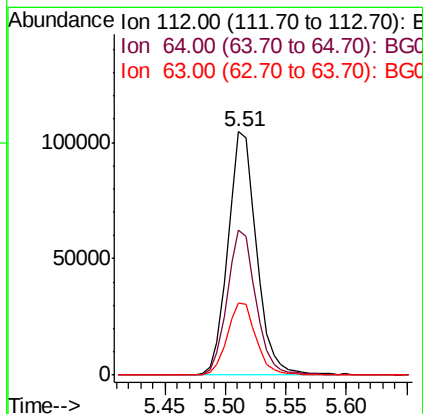
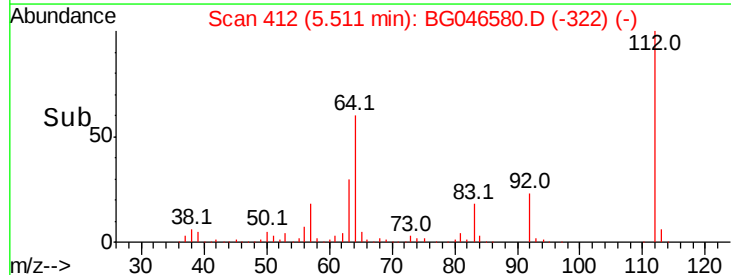
#5

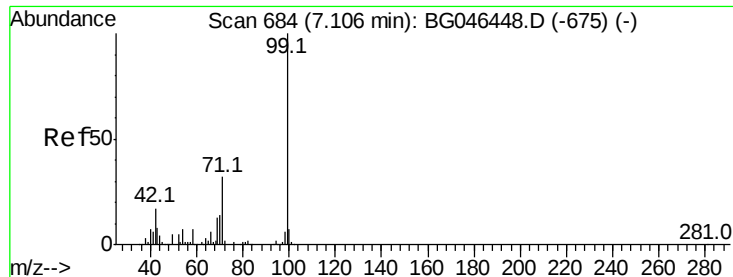
2-Fluorophenol
Concen: 46.697 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.00 min
Lab File: BG046580.D
Acq: 9 Sep 2020 19:58

Tgt Ion:112 Resp: 172839
Ion Ratio Lower Upper
112 100
64 59.6 47.0 70.6
63 29.9 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 25.846 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046580.D

Acq: 9 Sep 2020 19:58

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

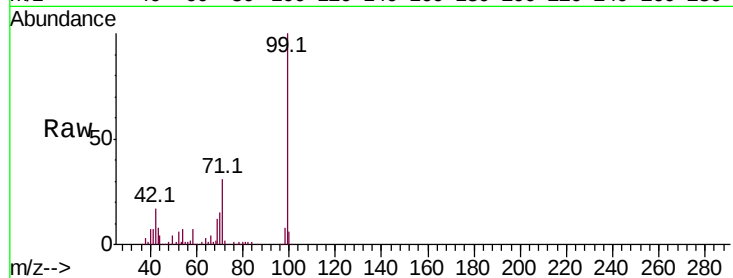
Tot Ion: 99 Resp: 135613

Ion Ratio Lower Upper

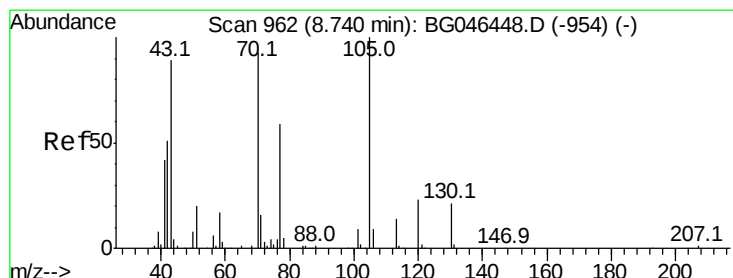
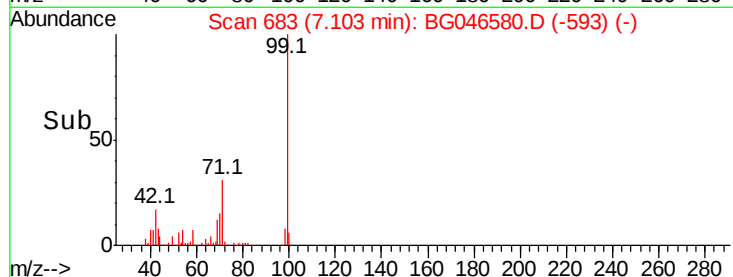
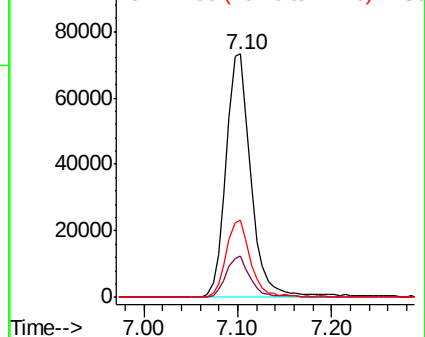
99 100

42 17.1 13.3 19.9

71 31.5 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: 15.310 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046580.D

Acq: 9 Sep 2020 19:58

Tgt Ion: 70 Resp: 48050

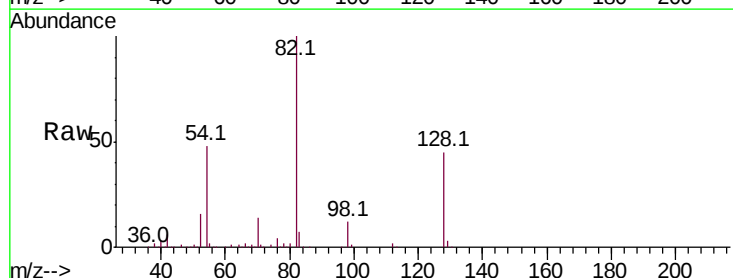
Ion Ratio Lower Upper

70 100

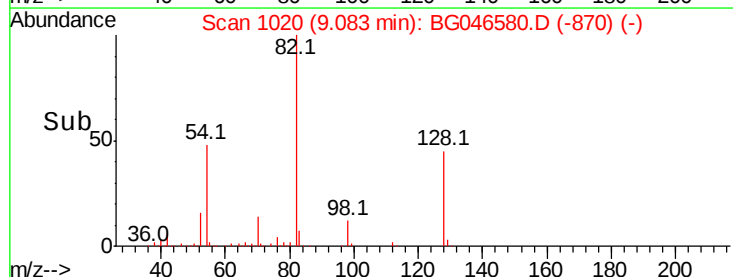
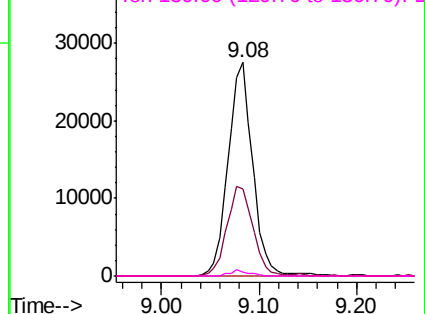
42 40.8 44.2 66.2#

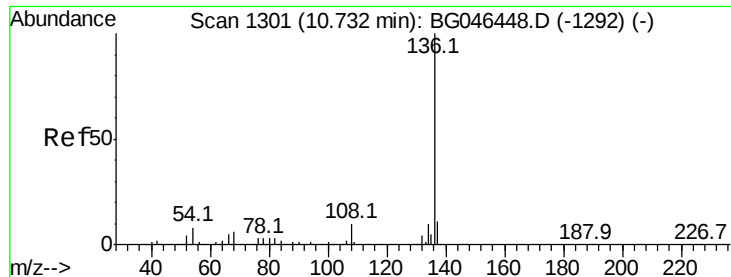
101 0.0 7.8 11.8#

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

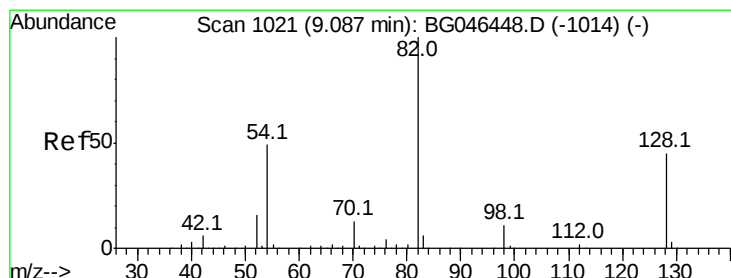
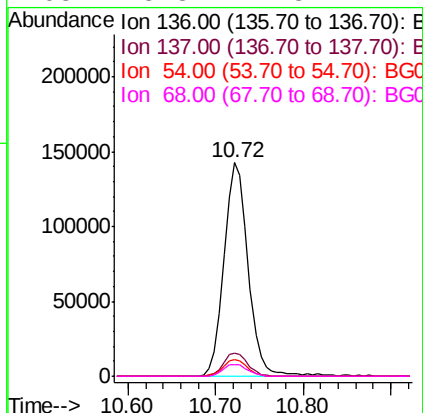
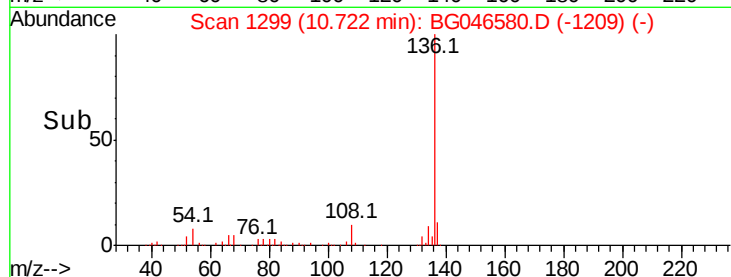
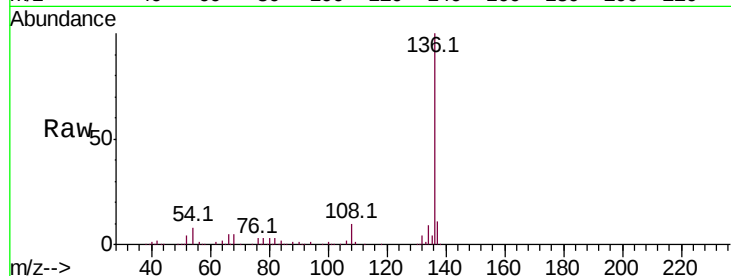




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BG046580.D
Acq: 9 Sep 2020 19:58

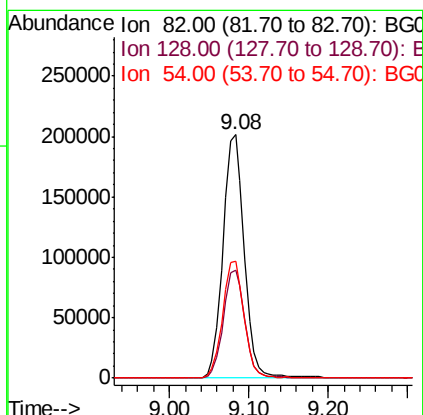
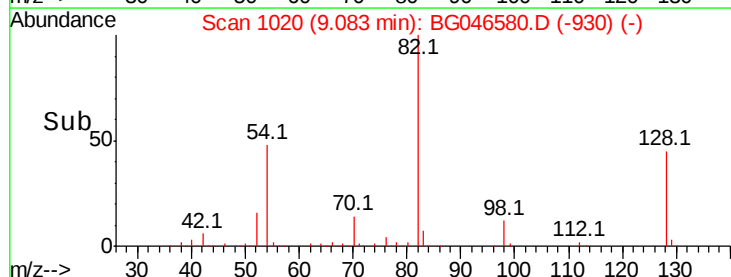
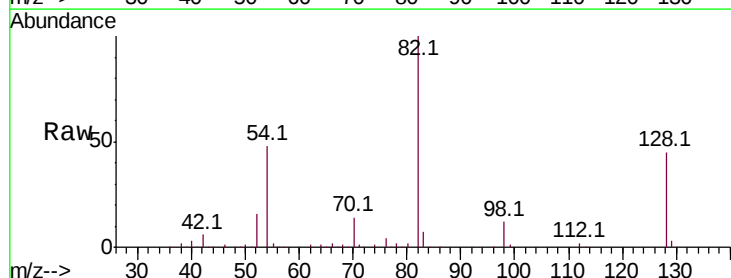
Instrument :
BNA_G
ClientSampleId :
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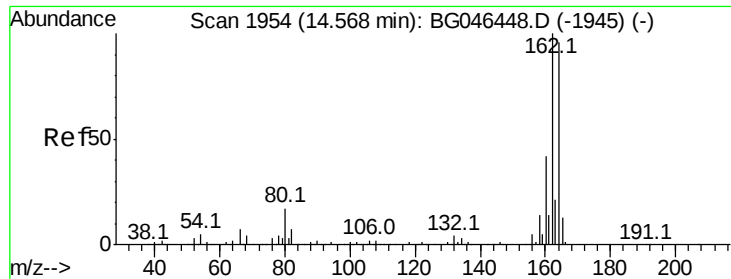
Tot Ion:136 Resp: 270848
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 6.1 9.1
68 5.3 4.8 7.2



#23
Nitrobenzene-d5
Concen: 79.325 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG046580.D
Acq: 9 Sep 2020 19:58

Tgt Ion: 82 Resp: 375906
Ion Ratio Lower Upper
82 100
128 44.5 35.7 53.5
54 48.2 39.4 59.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BG046580.D

Acq: 9 Sep 2020 19:58

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

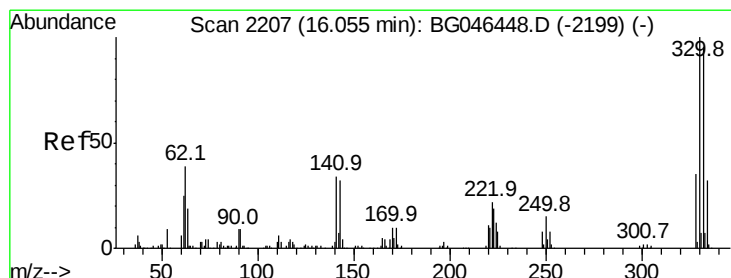
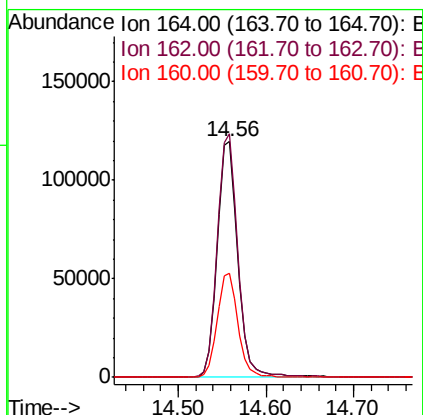
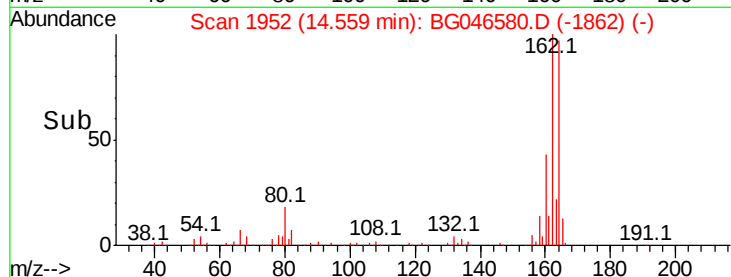
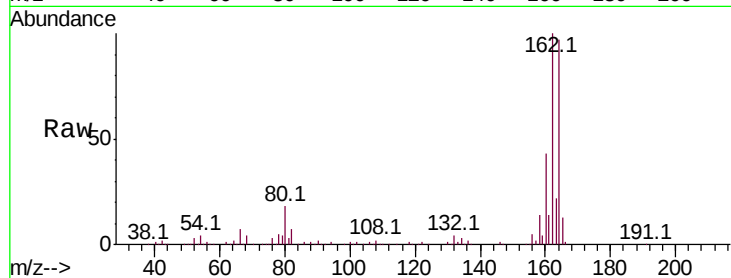
Tot Ion:164 Resp: 196815

Ion Ratio Lower Upper

164 100

162 103.2 83.3 124.9

160 44.4 35.0 52.6



#42

2,4,6-Tribromophenol

Concen: 113.600 ng

RT: 16.05 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG046580.D

Acq: 9 Sep 2020 19:58

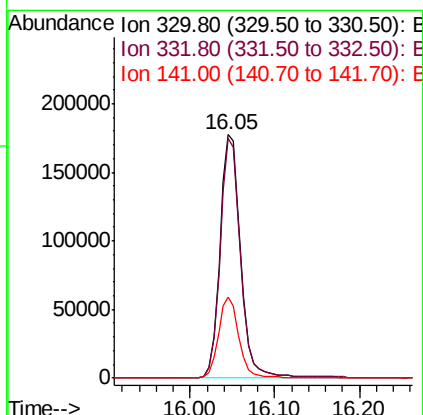
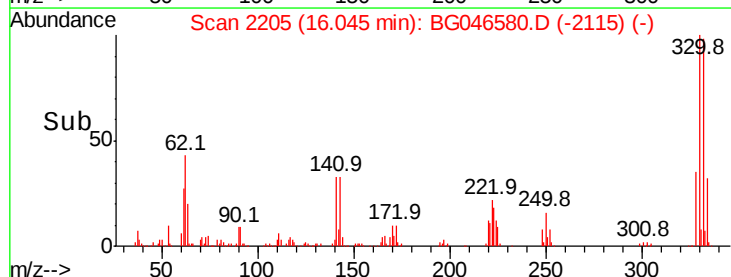
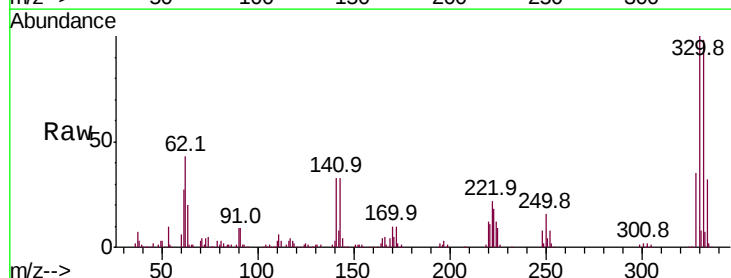
Tgt Ion:330 Resp: 302938

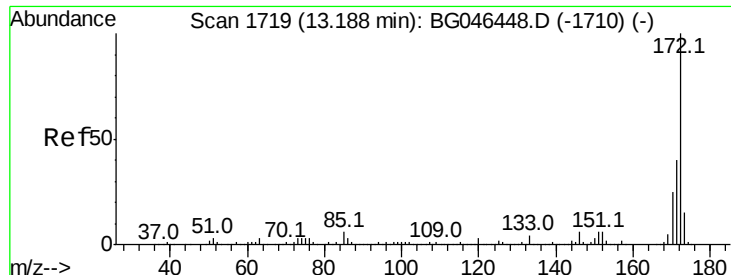
Ion Ratio Lower Upper

330 100

332 97.2 76.1 114.1

141 33.0 26.1 39.1



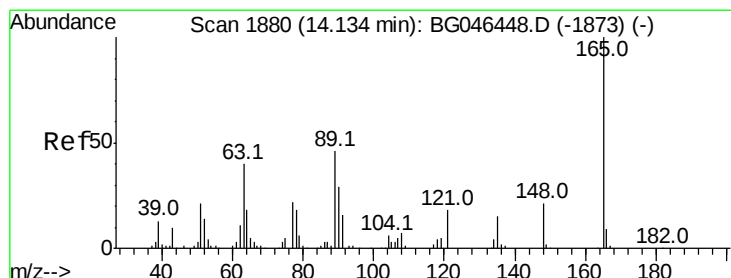
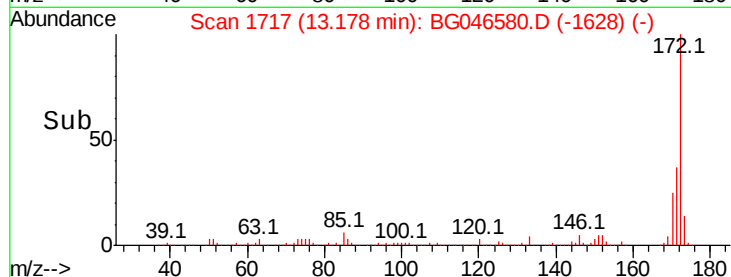
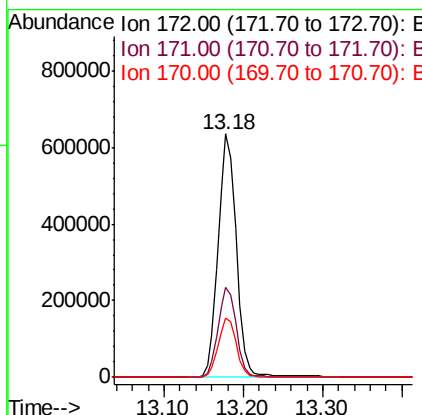
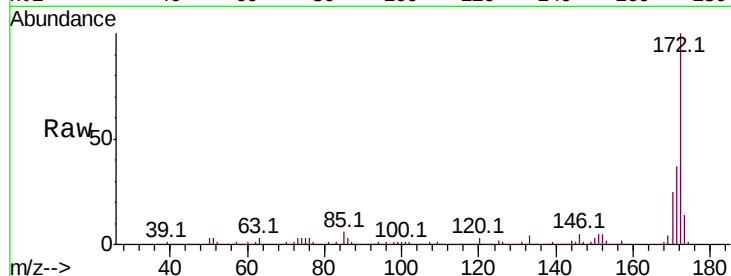


#45
 2-Fluorobiphenyl
 Concen: 79.038 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.01 min
 Lab File: BG046580.D
 Acq: 9 Sep 2020 19:58

Instrument :
 BNA_G
 ClientSampleId :
 FIELD-BLANK

Tot Ion:172 Resp: 1019007

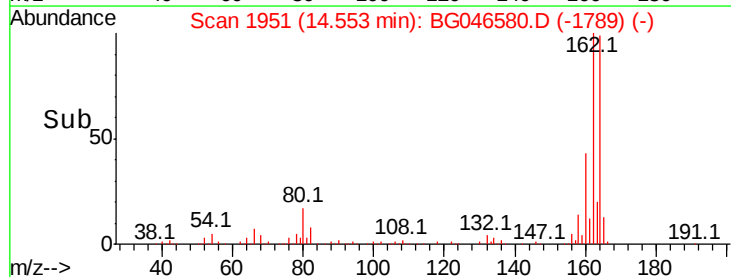
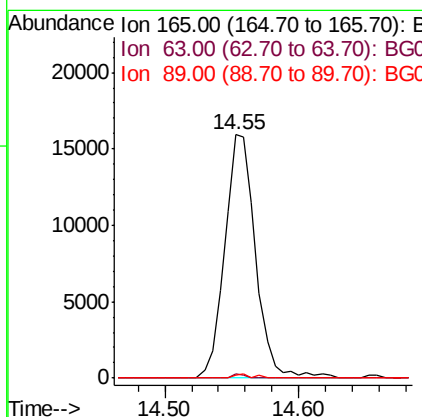
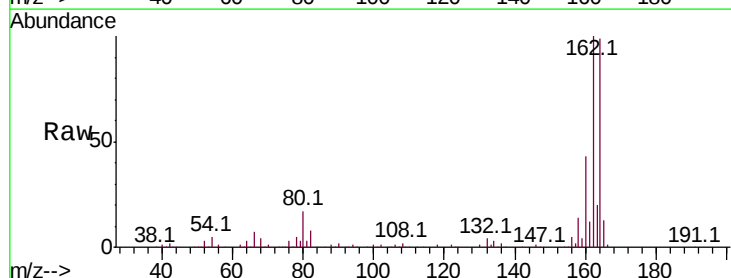
Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.8	47.6
170	24.5	20.3	30.5

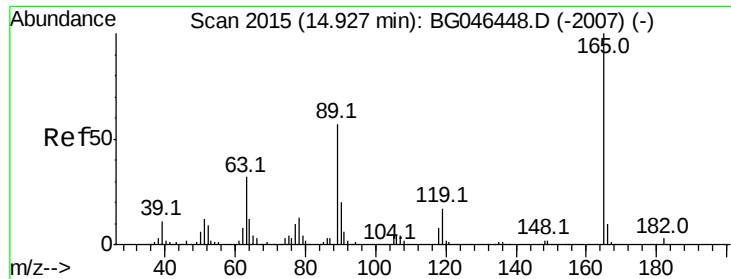


#51
 2,6-Dinitrotoluene
 Concen: 7.659 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.42 min
 Lab File: BG046580.D
 Acq: 9 Sep 2020 19:58

Tgt Ion:165 Resp: 25706

Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.2	51.4#
89	1.4	37.0	55.4#

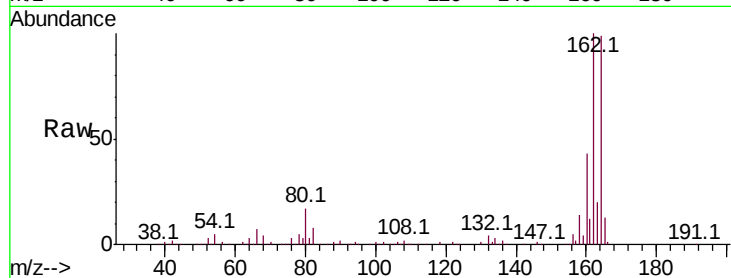




#57
 2,4-Dinitrotoluene
 Concen: 5.371 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.37 min
 Lab File: BG046580.D
 Acq: 9 Sep 2020 19:58

Instrument :
 BNA_G
 ClientSampleId :
 FIELD-BLANK

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	1.4	45.9	68.9#
182	0.0	2.3	3.5#

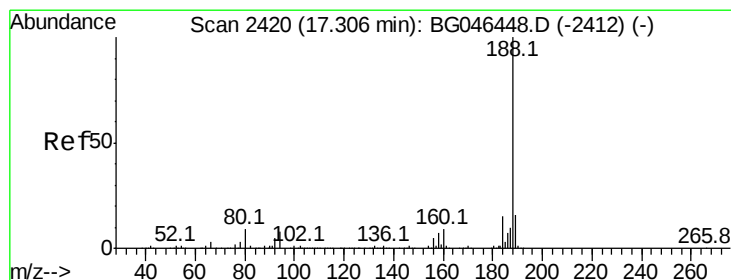
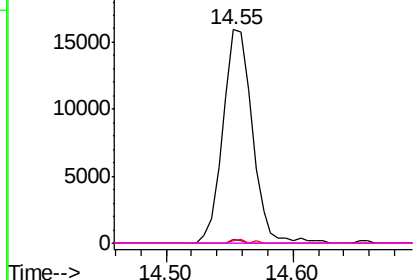
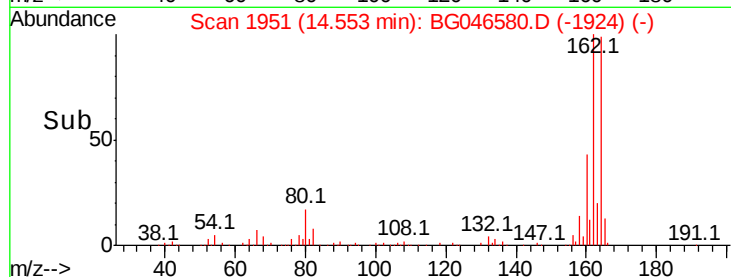


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

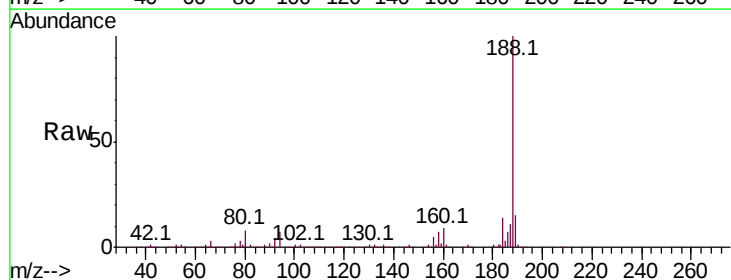
Ion 89.00 (88.70 to 89.70): BGC

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: BG046580.D
 Acq: 9 Sep 2020 19:58

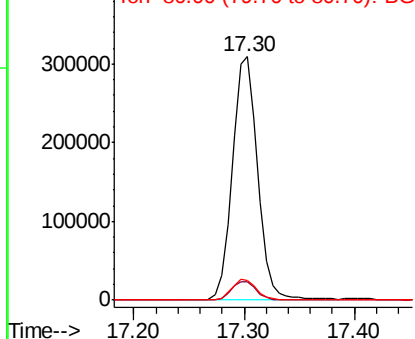
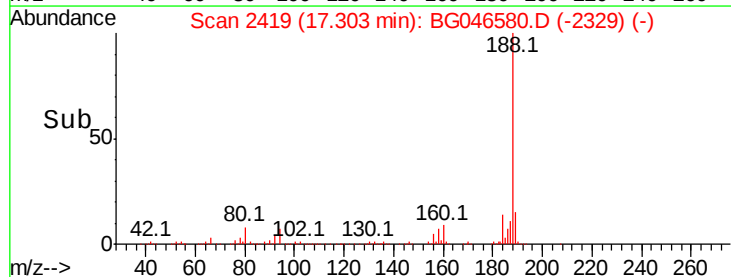
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.3	9.5
80	7.9	6.9	10.3

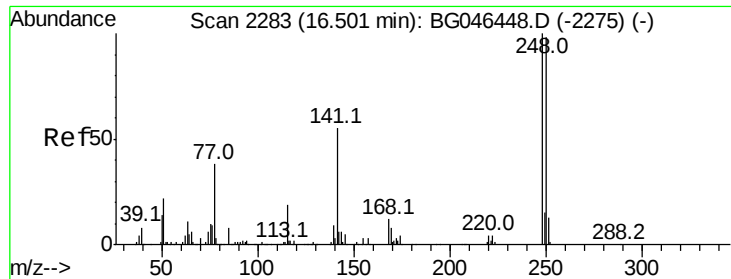


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

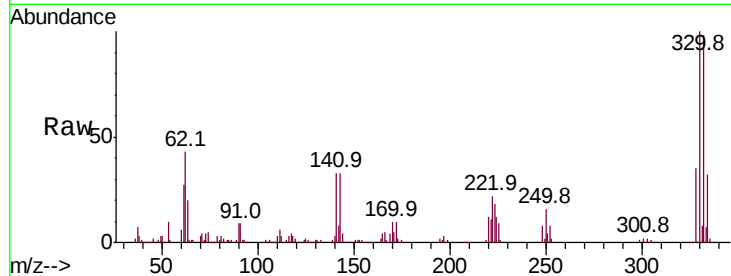




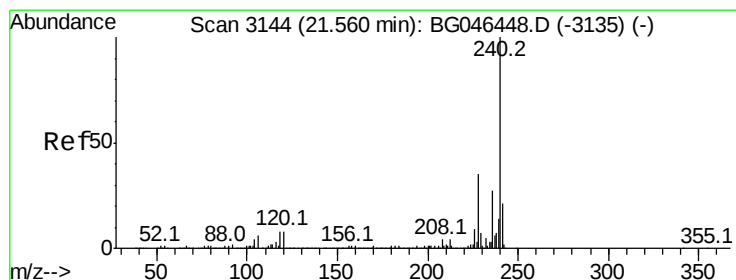
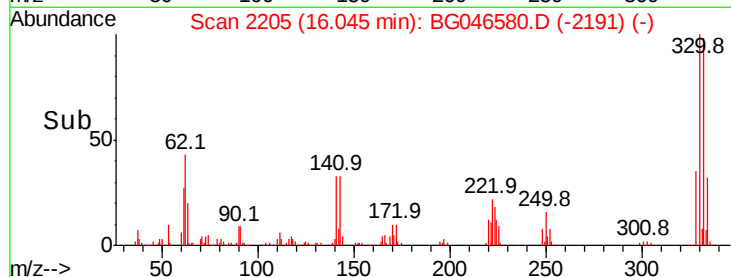
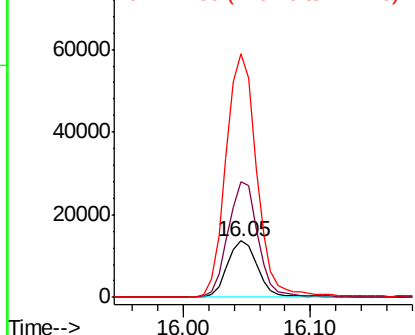
#67
4-Bromophenyl-phenylether
Concen: 3.940 ng
RT: 16.05 min Scan# 2205
Delta R.T. -0.45 min
Lab File: BG046580.D
Acq: 9 Sep 2020 19:58

Instrument :
BNA_G
ClientSampleId :
FIELD-BLANK

Tot Ion:248 Resp: 22846
Ion Ratio Lower Upper
248 100
250 204.7 78.6 118.0#
141 431.8 43.9 65.9#

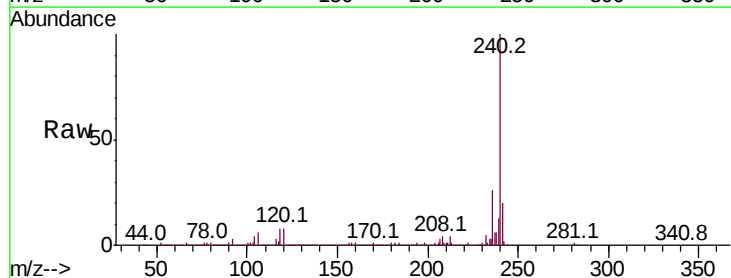


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

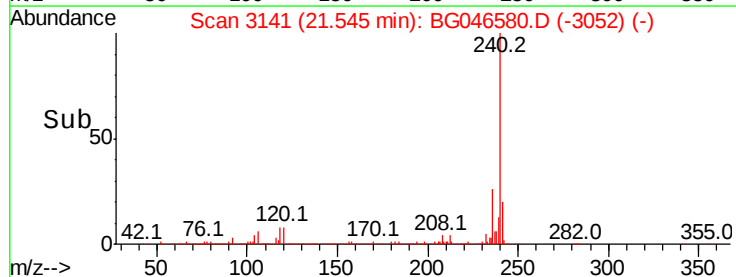
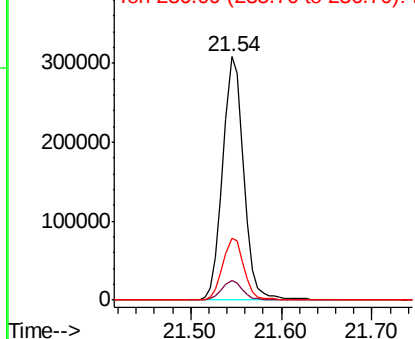


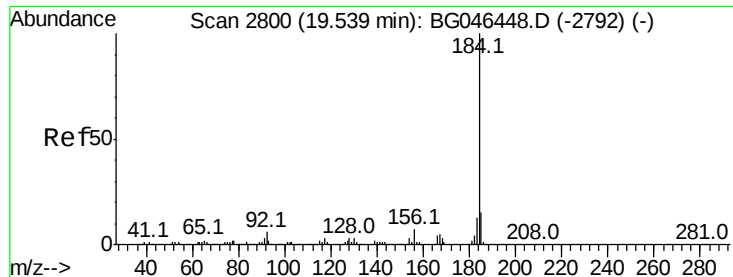
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG046580.D
Acq: 9 Sep 2020 19:58

Tgt Ion:240 Resp: 496284
Ion Ratio Lower Upper
240 100
120 8.3 6.6 10.0
236 25.5 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: 2.333 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.38 min

Lab File: BG046580.D

Acq: 9 Sep 2020 19:58

Instrument :

BNA_G

ClientSampled :

FIELD-BLANK

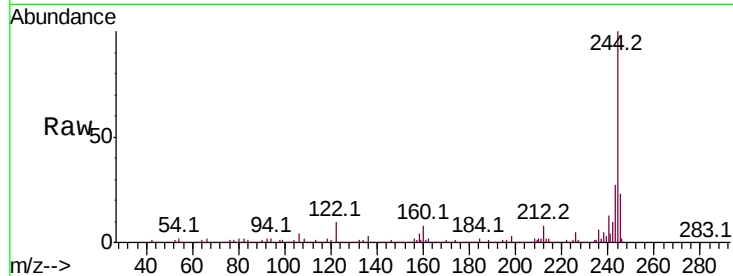
Tot Ion:184 Resp: 26899

Ion Ratio Lower Upper

184 100

185 18.4 11.8 17.8#

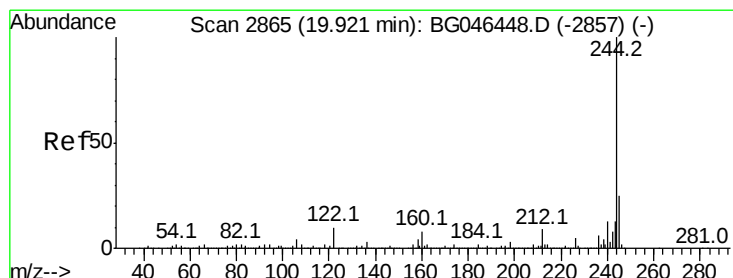
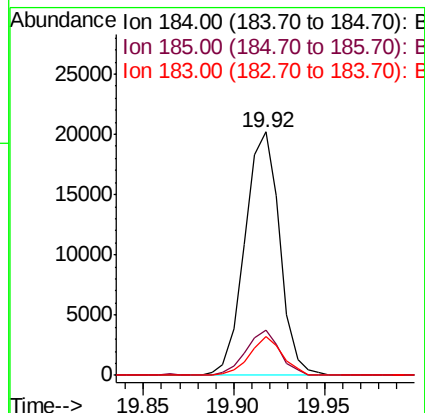
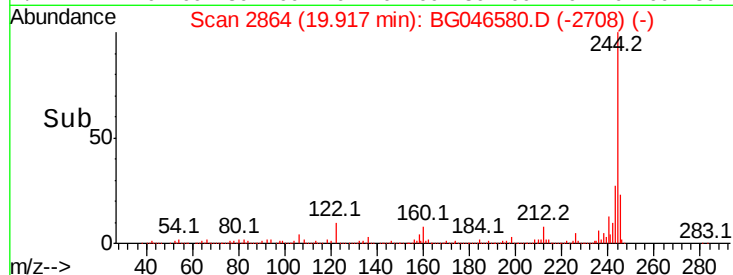
183 16.0 10.7 16.1



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: 74.451 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046580.D

Acq: 9 Sep 2020 19:58

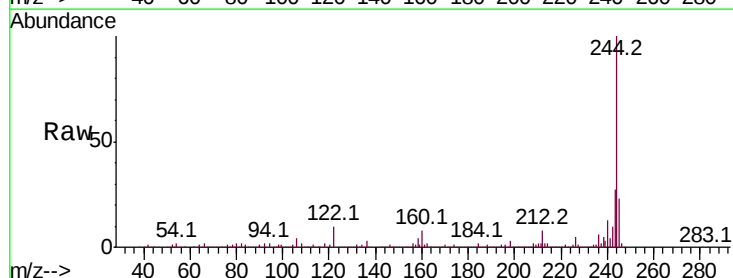
Tgt Ion:244 Resp: 1736174

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

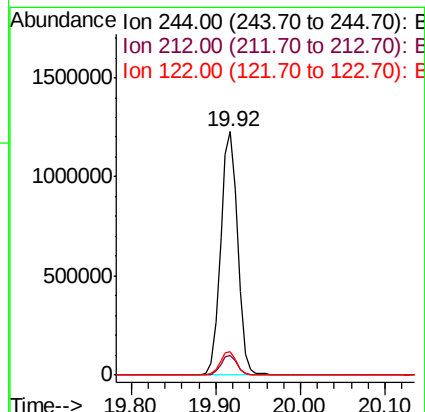
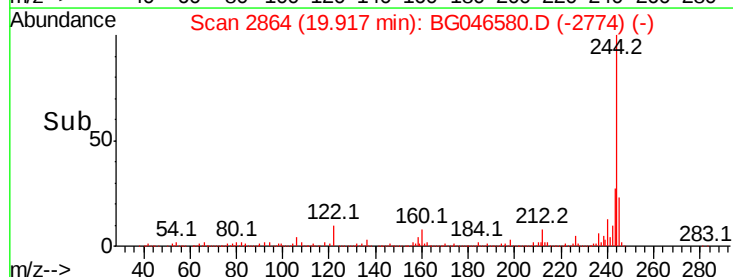
122 9.6 8.2 12.4

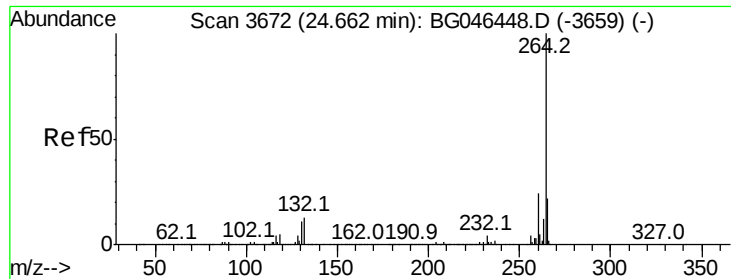


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

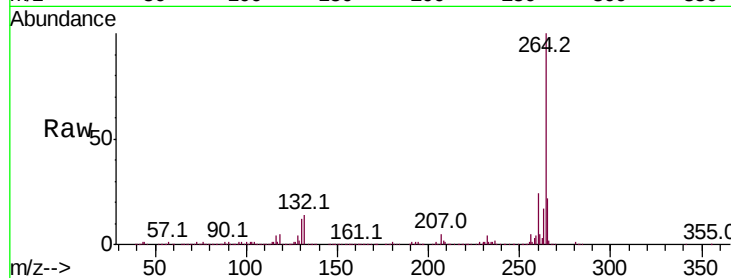




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.65 min Scan# 3669
Delta R.T. -0.01 min
Lab File: BG046580.D
Acq: 9 Sep 2020 19:58

Instrument :
BNA_G
ClientSampleId :
FIELD-BLANK

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	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

