

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
 Data File : BG046280.D
 Acq On : 14 Aug 2020 17:59
 Operator : CG/JU
 Sample : L3659-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP1-3

Quant Time: Aug 17 00:45:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 30 18:43:49 2020
 Response via : Initial Calibration

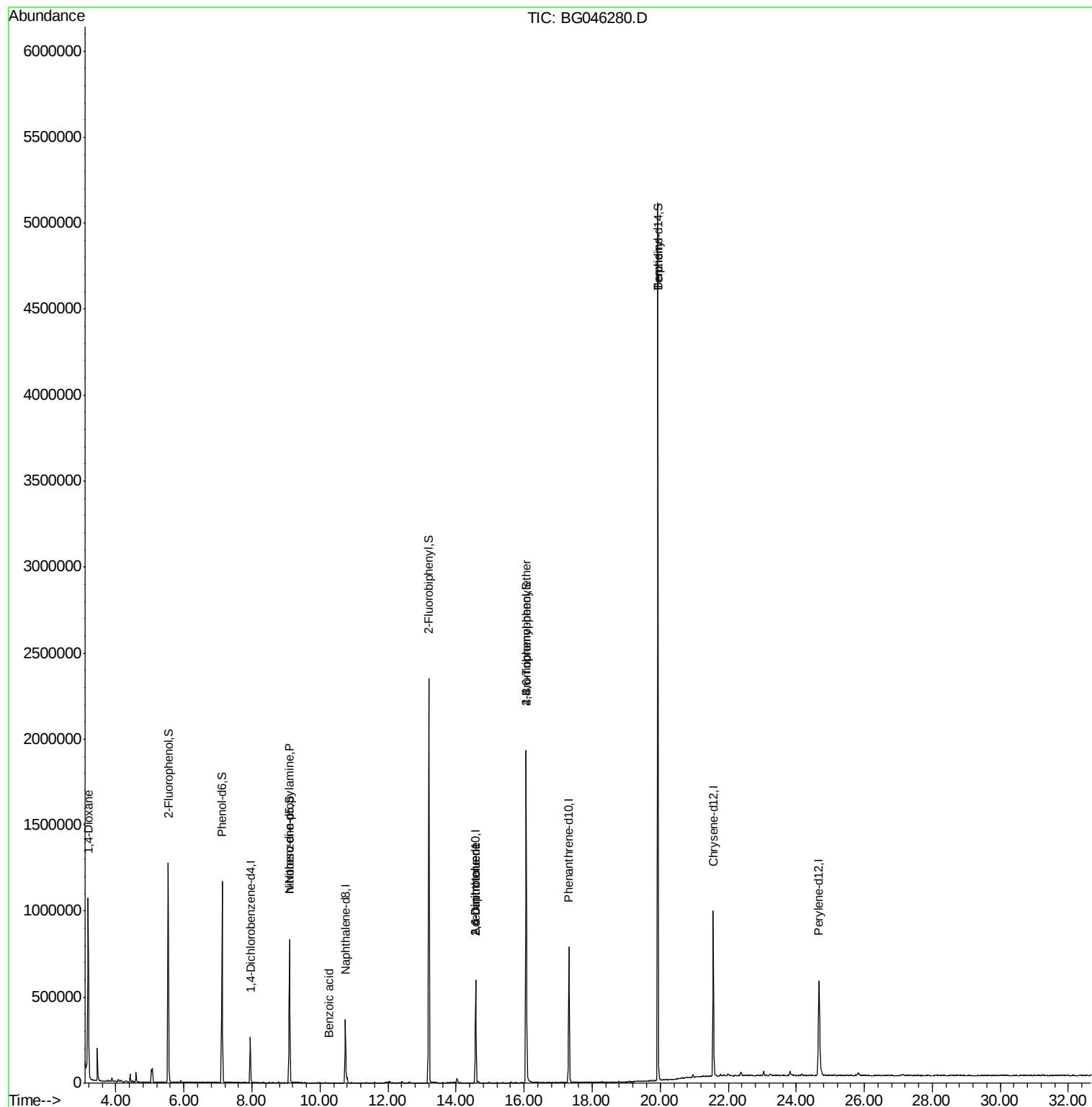
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	82798	20.00	ng	0.00
21) Naphthalene-d8	10.74	136	329345	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	214433	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	529037	20.00	ng	0.00
76) Chrysene-d12	21.56	240	611586	20.00	ng	-0.01
86) Perylene-d12	24.67	264	611974	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	583335	122.47	ng	0.00
7) Phenol-d6	7.12	99	702904	108.28	ng	0.00
23) Nitrobenzene-d5	9.10	82	537810	88.41	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	450022	136.63	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	1274786	86.36	ng	0.00
79) Terphenyl-d14	19.93	244	2225145	74.10	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.18	88	11140	5.139	ng	# 1
19) n-Nitroso-di-n-propylamine	9.10	70	69231	16.387	ng	# 80
32) Benzoic acid	10.26	122	61	9.424	ng	# 1
51) 2,6-Dinitrotoluene	14.57	165	28226	7.369	ng	# 29
57) 2,4-Dinitrotoluene	14.57	165	28226	5.360	ng	# 29
67) 4-Bromophenyl-phenylether	16.06	248	27829	4.258	ng	# 1
77) Benzidine	19.93	184	36322	2.097	ng	94

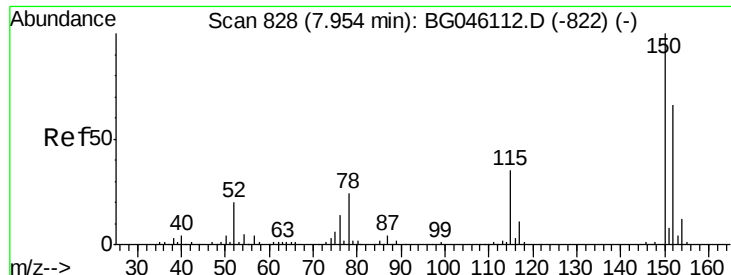
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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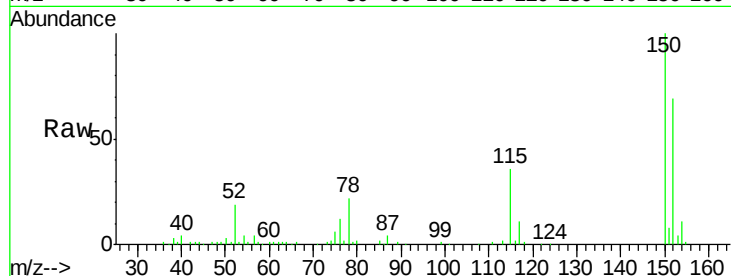


#1

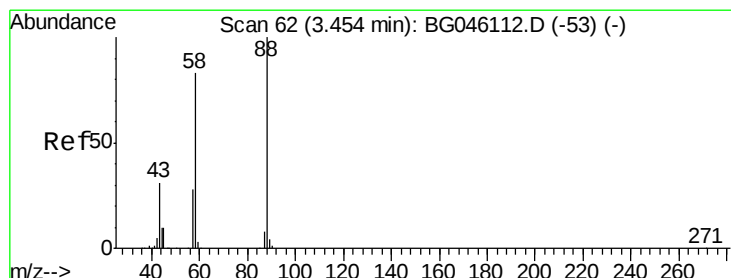
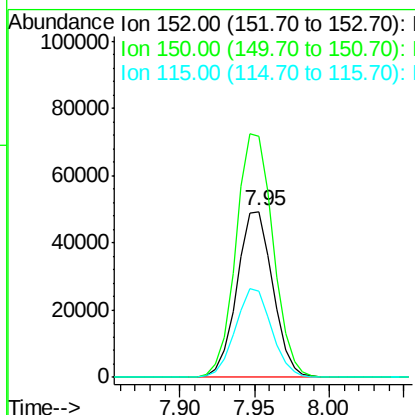
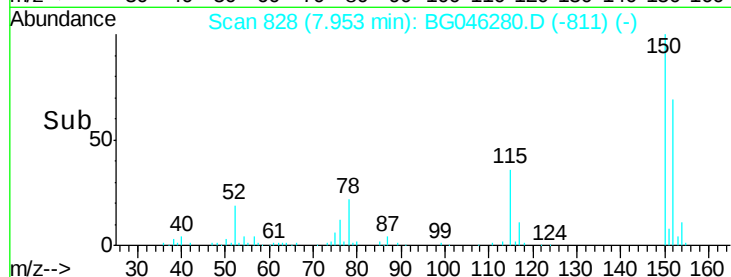
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG046280.D
Acq: 14 Aug 2020 17:59

Instrument :
BNA_G
ClientSampleId :
SP1-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.0	122.1	183.1
115	51.8	43.2	64.8



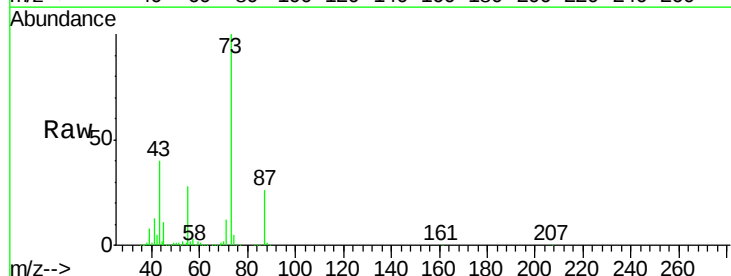
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



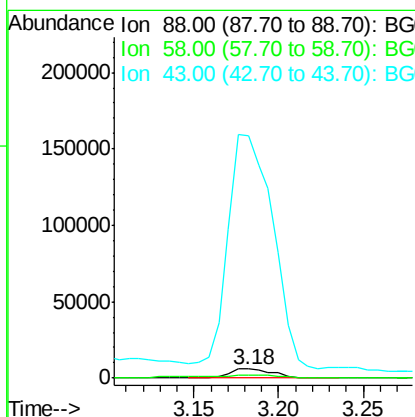
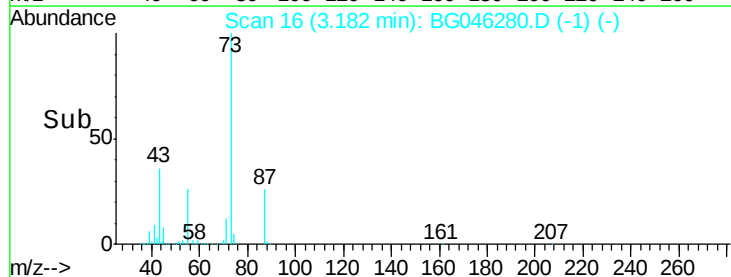
#2

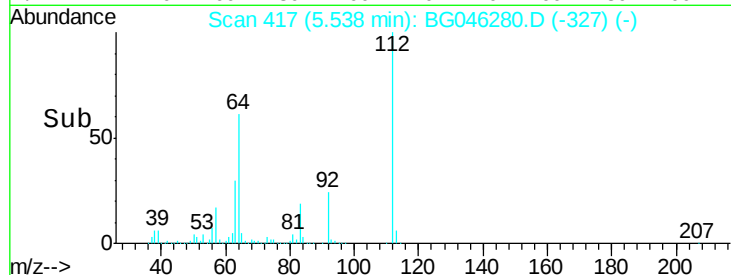
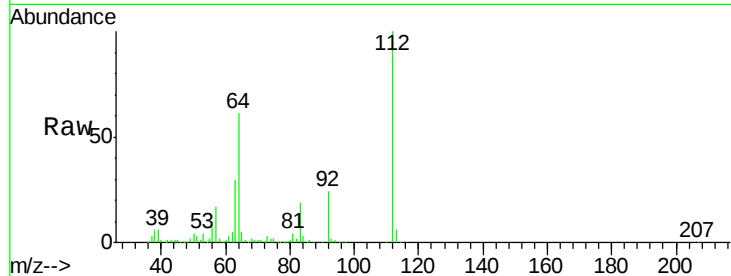
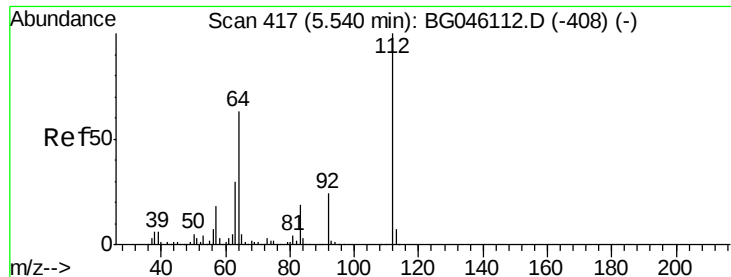
1,4-Dioxane
Concen: 5.139 ng
RT: 3.18 min Scan# 16
Delta R.T. -0.27 min
Lab File: BG046280.D
Acq: 14 Aug 2020 17:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	36.9	66.5	99.7#
43	2546.1	23.8	35.8#



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: 122.473 ng

RT: 5.54 min Scan# 417

Delta R.T. -0.00 min

Lab File: BG046280.D

Acq: 14 Aug 2020 17:59

Instrument :

BNA_G

ClientSampleId :

SP1-3

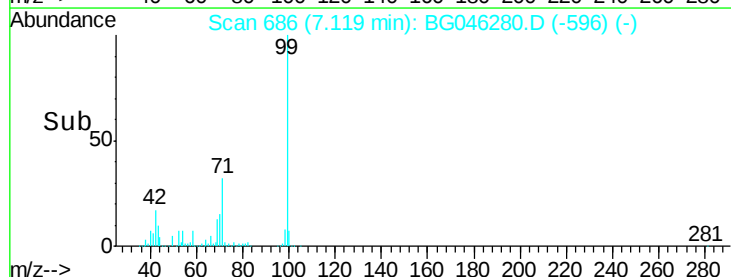
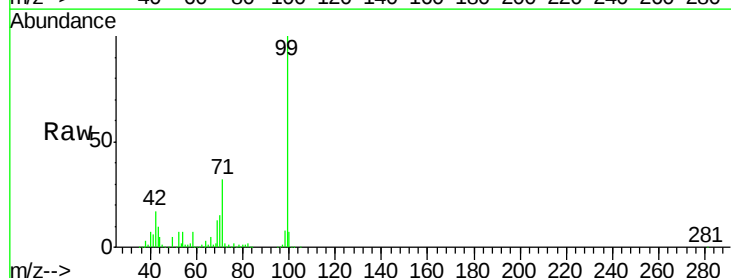
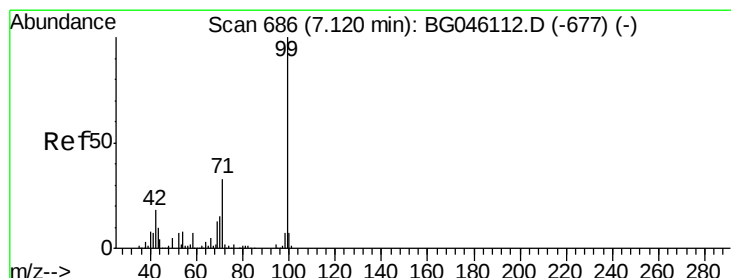
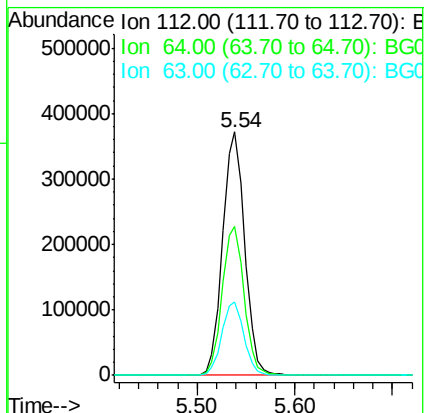
Tot Ion:112 Resp: 583335

Ion Ratio Lower Upper

112 100

64 61.4 50.2 75.2

63 29.9 24.2 36.4



#7

Phenol-d6

Concen: 108.284 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046280.D

Acq: 14 Aug 2020 17:59

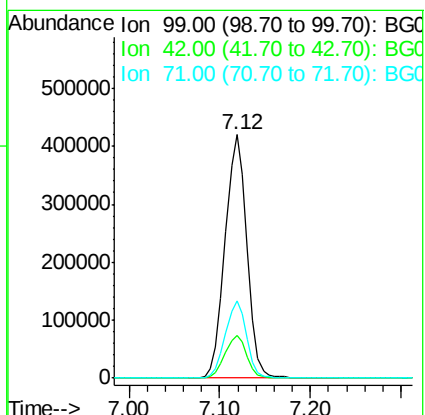
Tgt Ion: 99 Resp: 702904

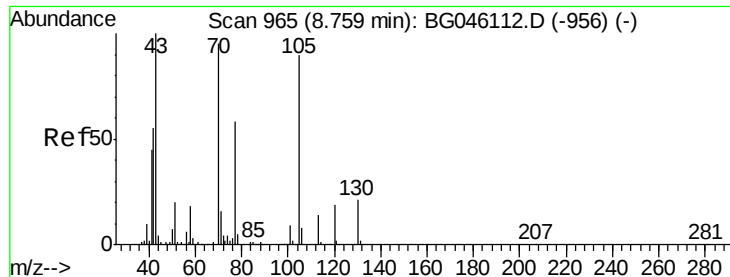
Ion Ratio Lower Upper

99 100

42 17.5 14.7 22.1

71 31.7 26.5 39.7

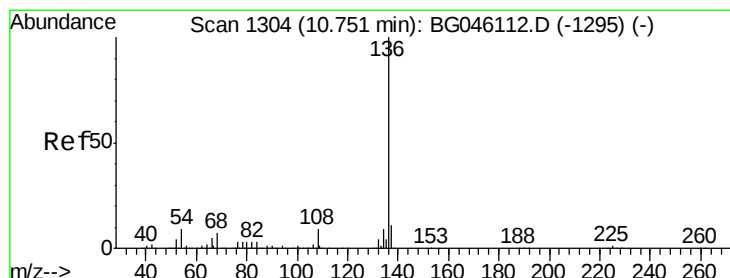
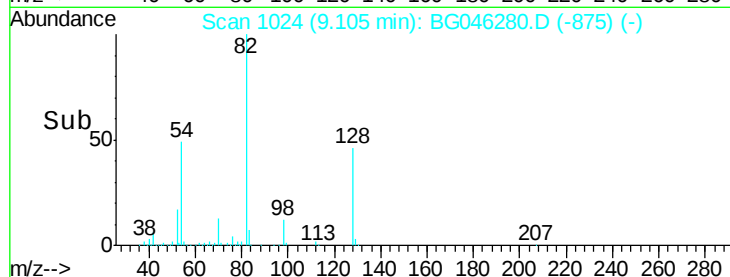
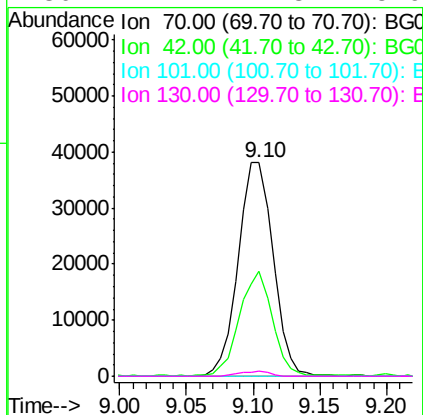
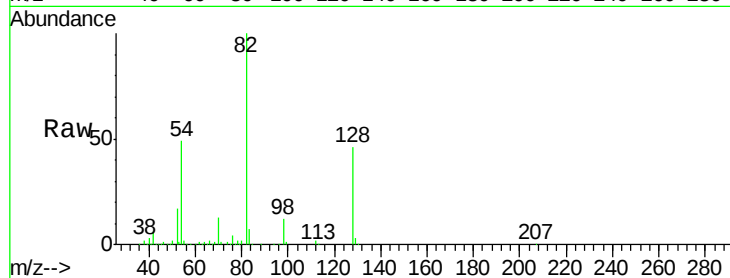




#19
n-Nitroso-di-n-propylamine
Concen: 16.387 ng
RT: 9.10 min Scan# 1024
Delta R.T. 0.35 min
Lab File: BG046280.D
Acq: 14 Aug 2020 17:59

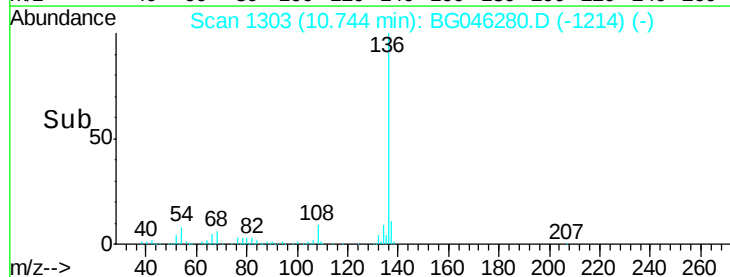
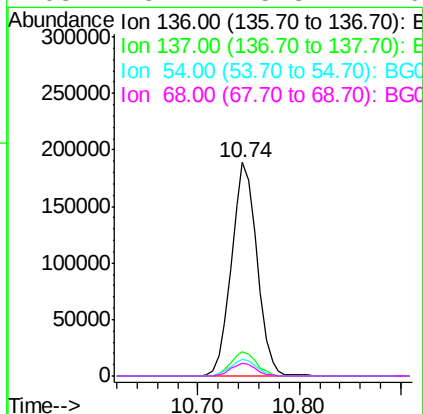
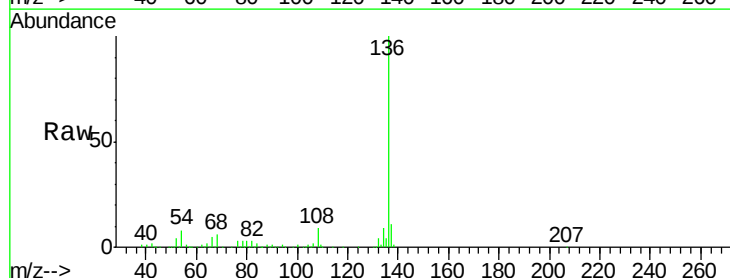
Instrument :
BNA_G
ClientSampleId :
SP1-3

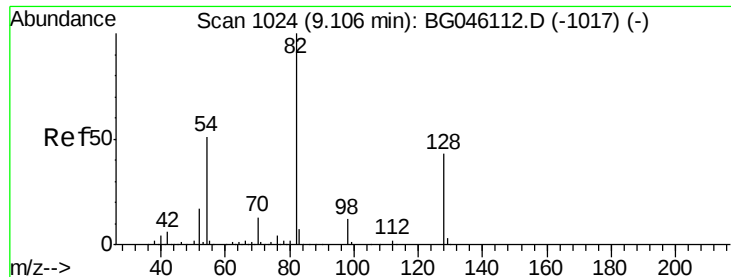
Tot Ion: 70 Resp: 69231
Ion Ratio Lower Upper
70 100
42 49.3 46.5 69.7
101 0.0 7.6 11.4#
130 2.2 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BG046280.D
Acq: 14 Aug 2020 17:59

Tgt Ion:136 Resp: 329345
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.9 7.0 10.4
68 5.7 5.3 7.9

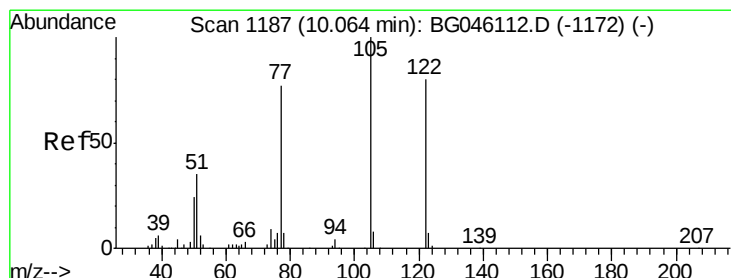
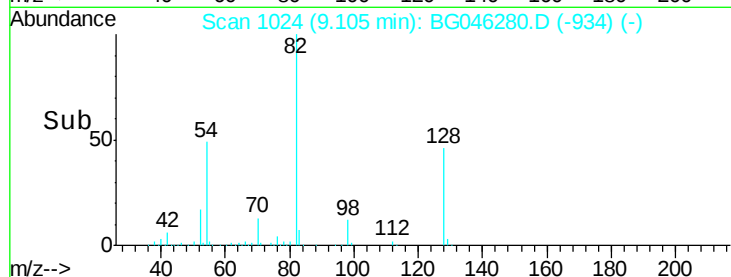
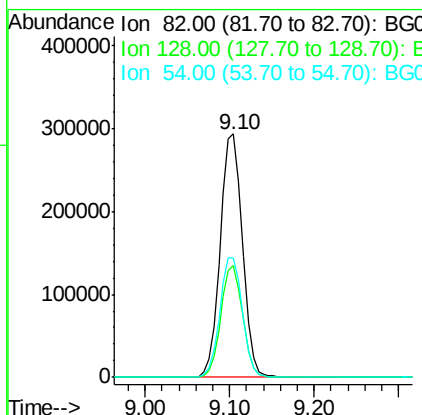
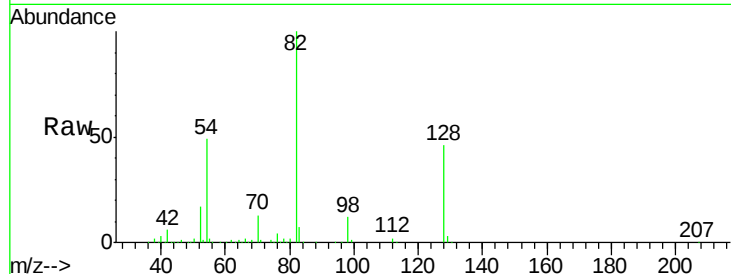




#23
 Nitrobenzene-d5
 Concen: 88.413 ng
 RT: 9.10 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BG046280.D
 Acq: 14 Aug 2020 17:59

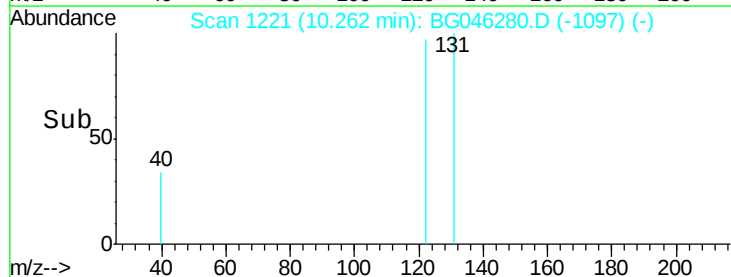
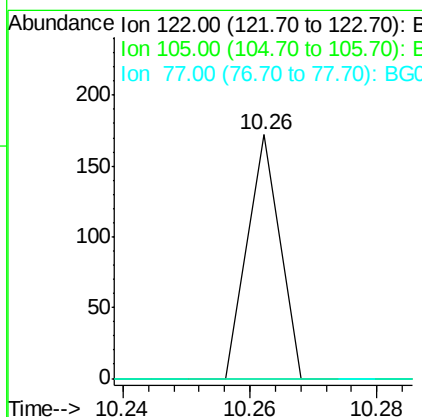
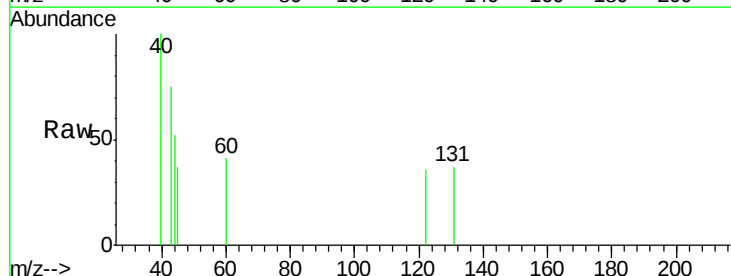
Instrument :
 BNA_G
 ClientSampleId :
 SP1-3

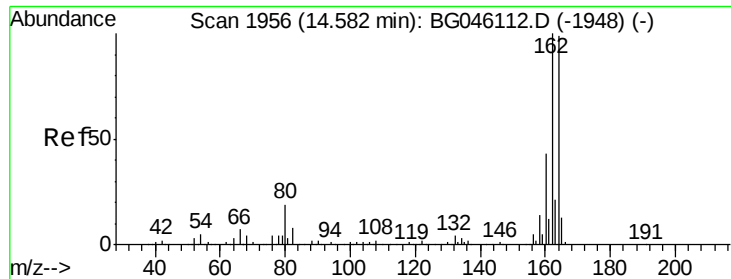
Tot Ion	82	Resp	537810
Ion Ratio	100	Lower	Upper
128	45.8	34.4	51.6
54	48.8	40.8	61.2



#32
 Benzoic acid
 Concen: 9.424 ng
 RT: 10.26 min Scan# 1221
 Delta R.T. 0.20 min
 Lab File: BG046280.D
 Acq: 14 Aug 2020 17:59

Tgt Ion	122	Resp	61
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	103.0	143.0#
77	0.0	75.2	115.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG046280.D

Acq: 14 Aug 2020 17:59

Instrument :

BNA_G

ClientSampleId :

SP1-3

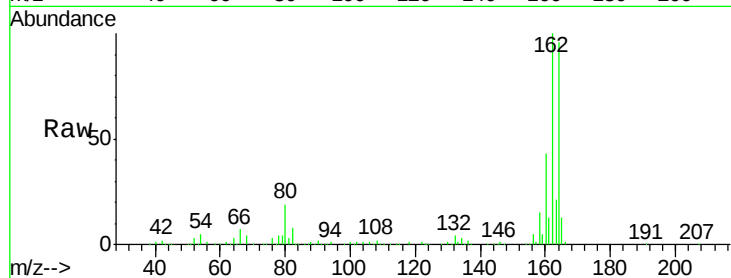
Tot Ion:164 Resp: 214433

Ion Ratio Lower Upper

164 100

162 104.1 80.6 121.0

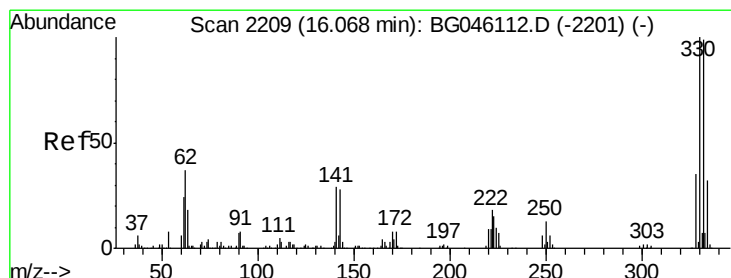
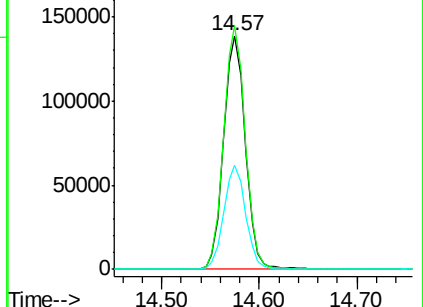
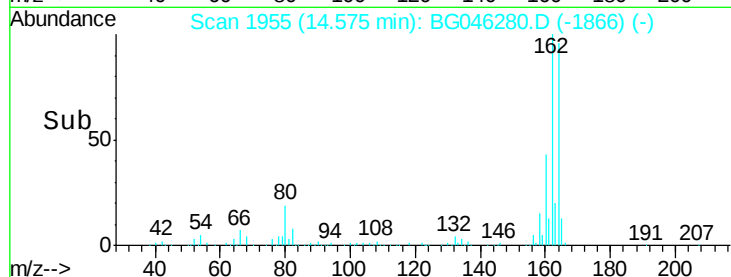
160 44.4 34.9 52.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 136.633 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG046280.D

Acq: 14 Aug 2020 17:59

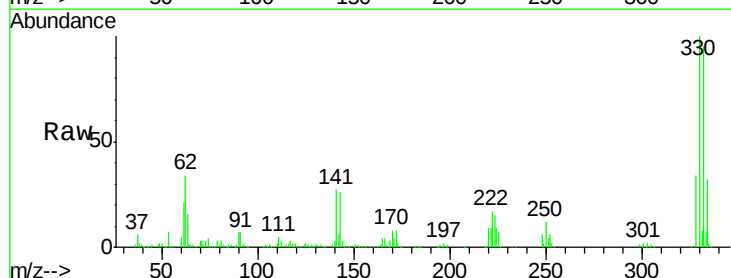
Tgt Ion:330 Resp: 450022

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

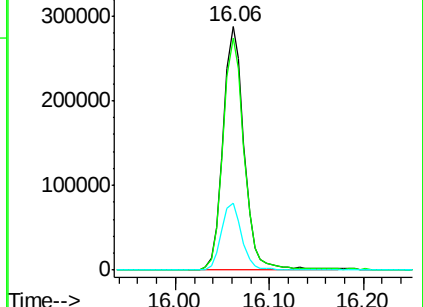
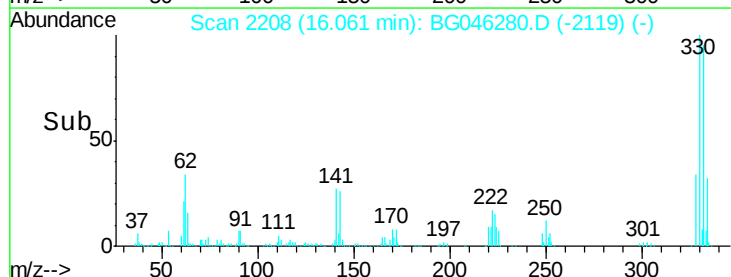
141 27.2 23.4 35.0

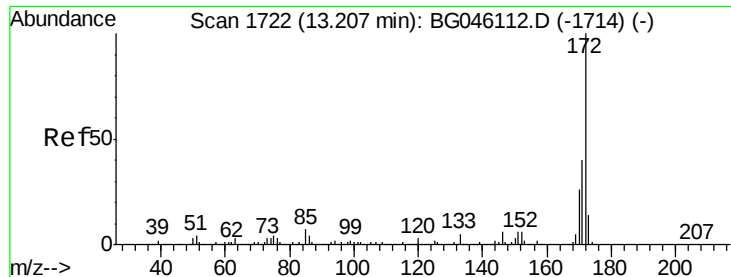


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

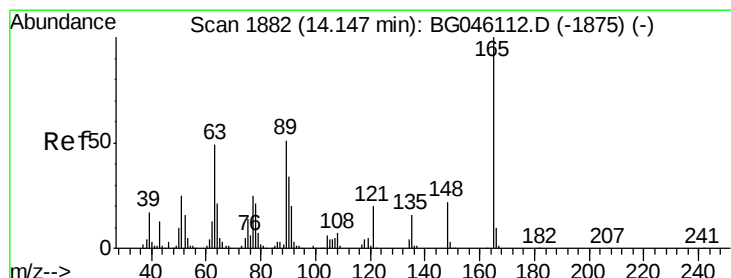
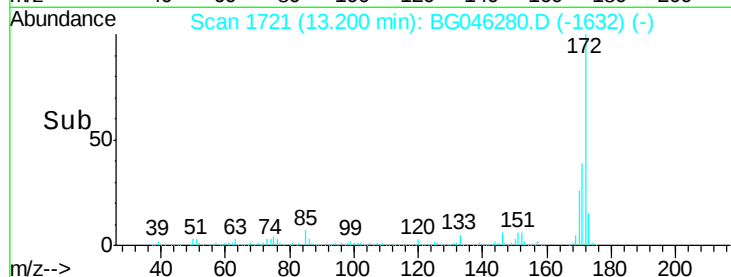
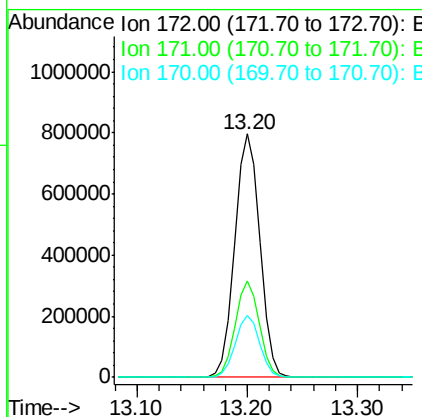
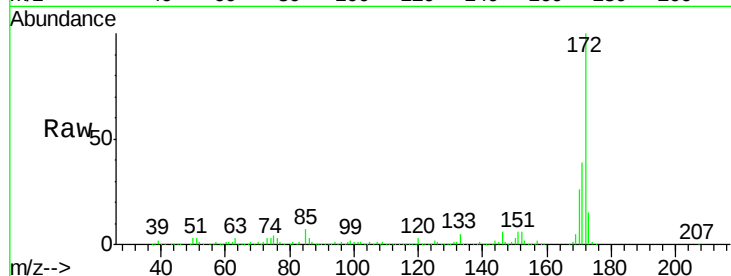




#45
 2-Fluorobiphenyl
 Concen: 86.358 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.01 min
 Lab File: BG046280.D
 Acq: 14 Aug 2020 17:59

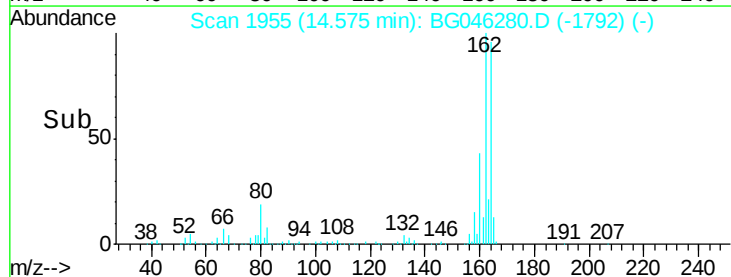
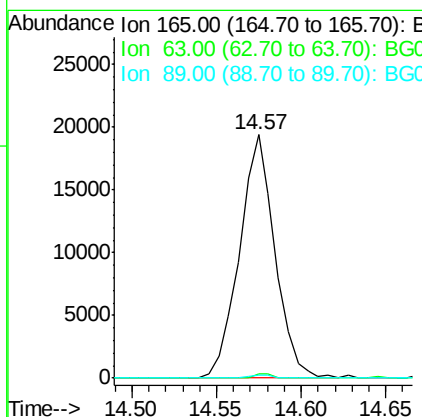
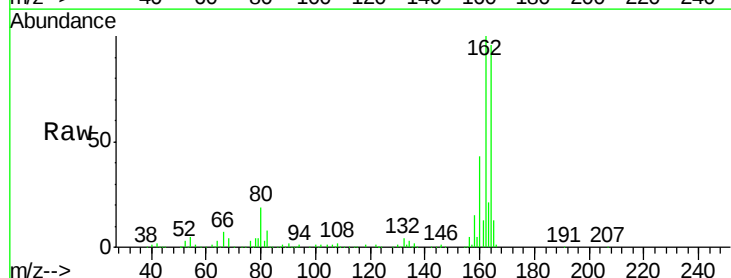
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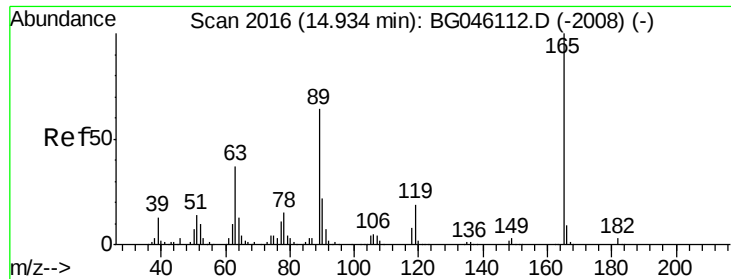
Tot Ion:172 Resp: 1274786
 Ion Ratio Lower Upper
 172 100
 171 39.4 31.7 47.5
 170 25.6 20.9 31.3



#51
 2,6-Dinitrotoluene
 Concen: 7.369 ng
 RT: 14.57 min Scan# 1955
 Delta R.T. 0.43 min
 Lab File: BG046280.D
 Acq: 14 Aug 2020 17:59

Tgt Ion:165 Resp: 28226
 Ion Ratio Lower Upper
 165 100
 63 1.6 39.7 59.5#
 89 1.4 41.0 61.6#

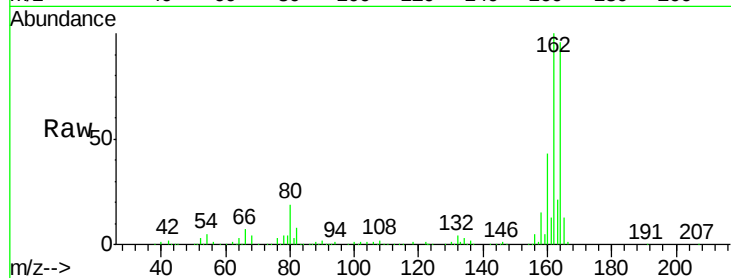




#57
 2,4-Dinitrotoluene
 Concen: 5.360 ng
 RT: 14.57 min Scan# 1955
 Delta R.T. -0.36 min
 Lab File: BG046280.D
 Acq: 14 Aug 2020 17:59

Instrument :
 BNA_G
 ClientSampleId :
 SP1-3

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	30.1	45.1#
89	1.4	51.4	77.2#
182	0.0	2.3	3.5#

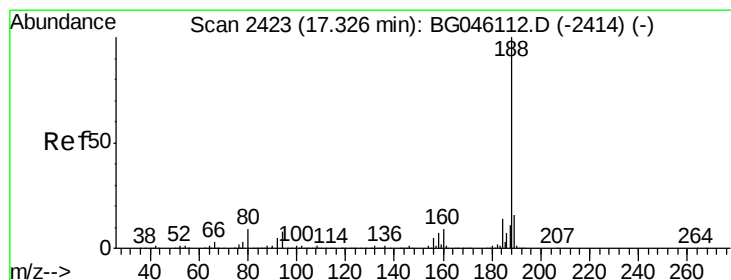
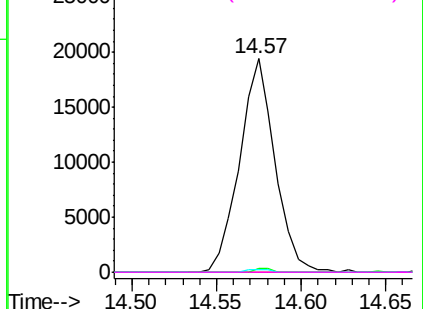
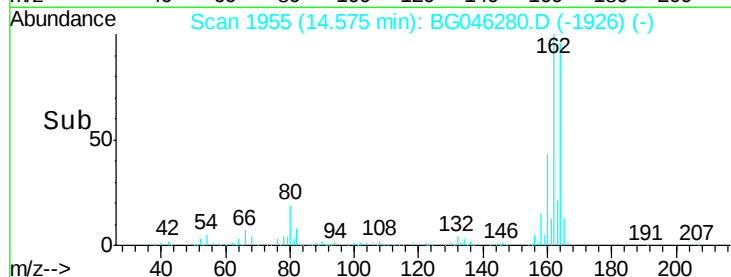


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

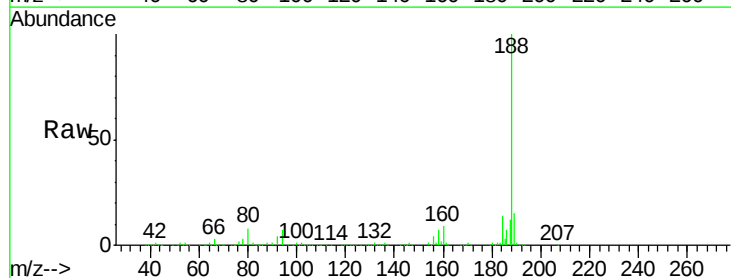
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG046280.D
 Acq: 14 Aug 2020 17:59

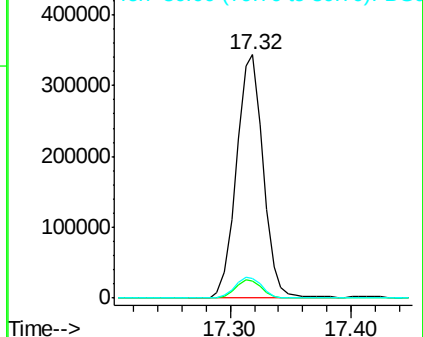
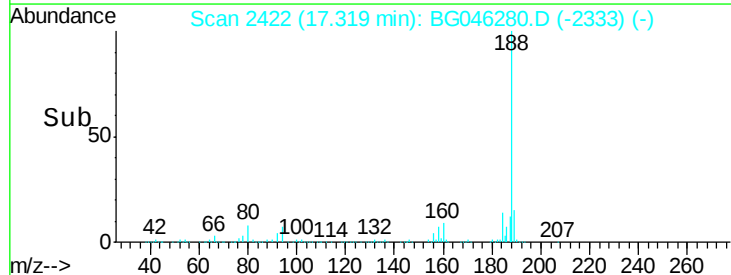
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.4	9.6
80	8.2	7.4	11.0

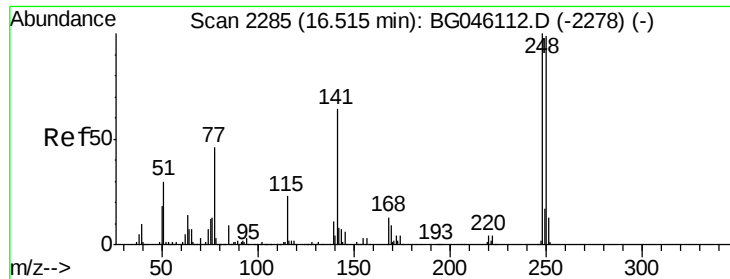


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

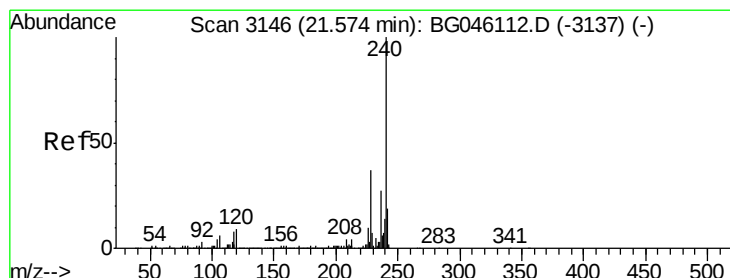
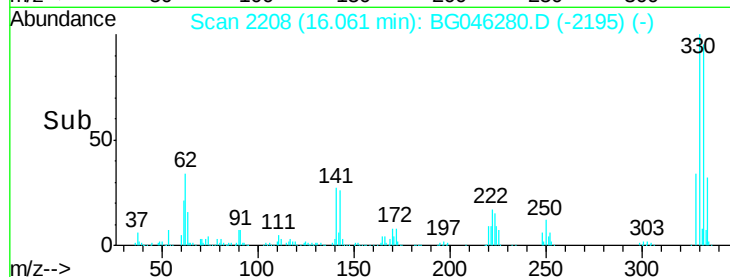
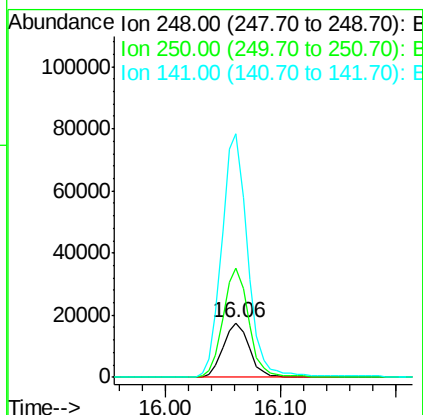
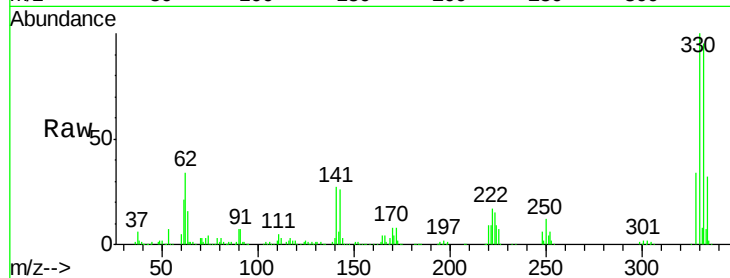




#67
4-Bromophenyl-phenylether
Concen: 4.258 ng
RT: 16.06 min Scan# 2208
Delta R.T. -0.45 min
Lab File: BG046280.D
Acq: 14 Aug 2020 17:59

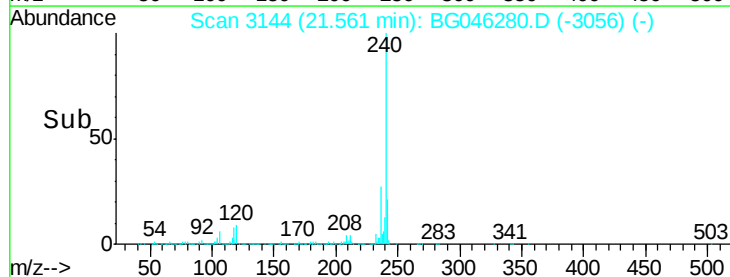
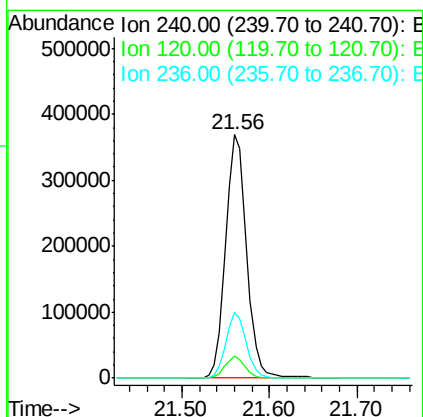
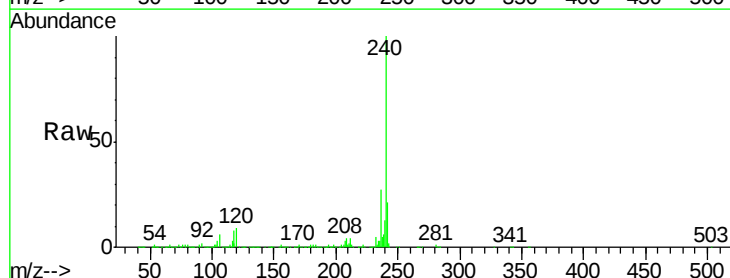
Instrument :
BNA_G
ClientSampled :
SP1-3

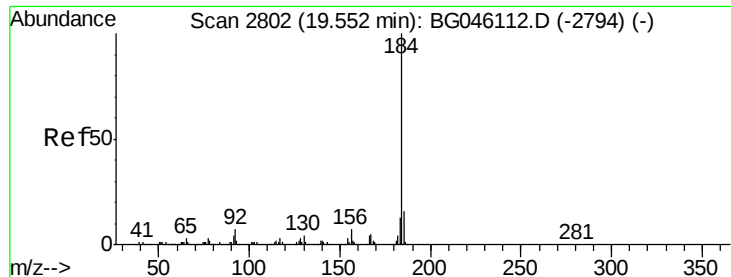
Tot Ion:248 Resp: 27829
Ion Ratio Lower Upper
248 100
250 199.5 79.4 119.0#
141 445.8 50.9 76.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG046280.D
Acq: 14 Aug 2020 17:59

Tgt Ion:240 Resp: 611586
Ion Ratio Lower Upper
240 100
120 9.0 7.1 10.7
236 27.0 21.7 32.5





#77

Benzidine

Concen: 2.097 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.38 min

Lab File: BG046280.D

Acq: 14 Aug 2020 17:59

Instrument :

BNA_G

ClientSampleId :

SP1-3

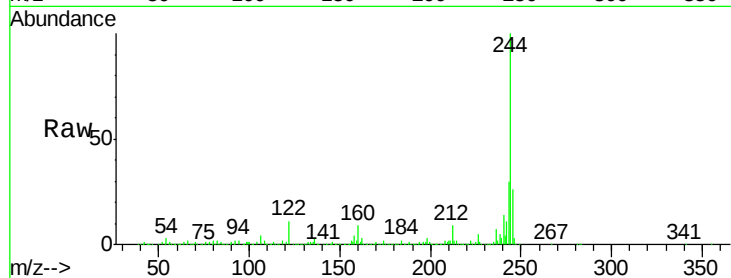
Tot Ion:184 Resp: 36322

Ion Ratio Lower Upper

184 100

185 19.2 13.0 19.4

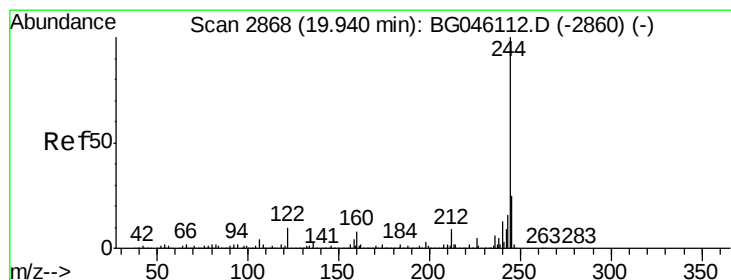
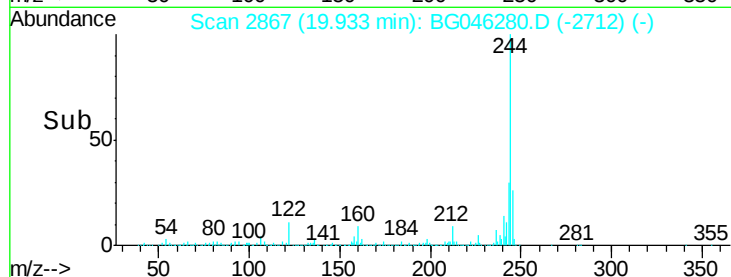
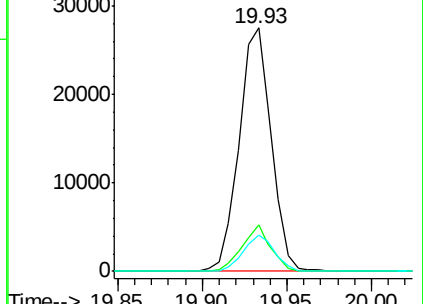
183 15.0 10.5 15.7



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: 74.099 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BG046280.D

Acq: 14 Aug 2020 17:59

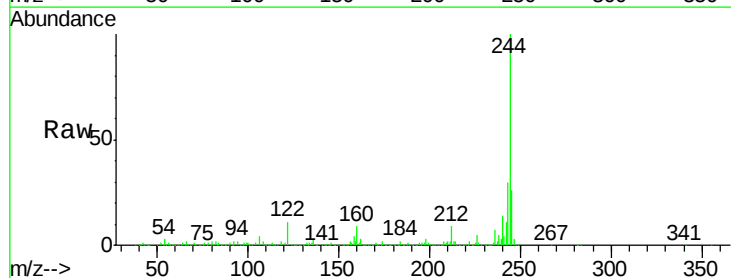
Tgt Ion:244 Resp: 2225145

Ion Ratio Lower Upper

244 100

212 9.2 7.2 10.8

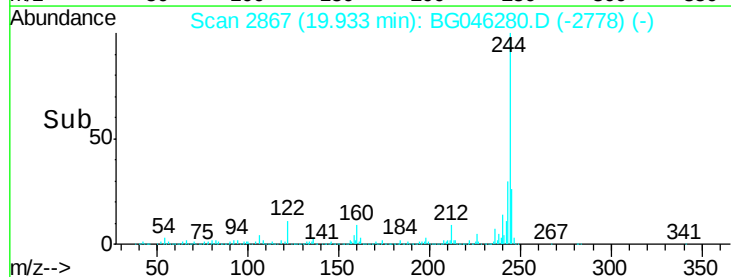
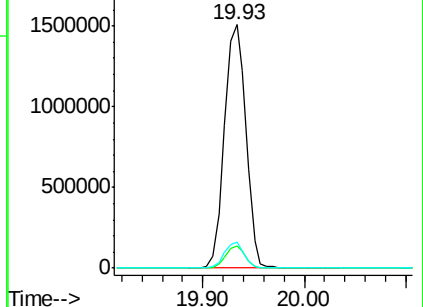
122 10.6 8.3 12.5

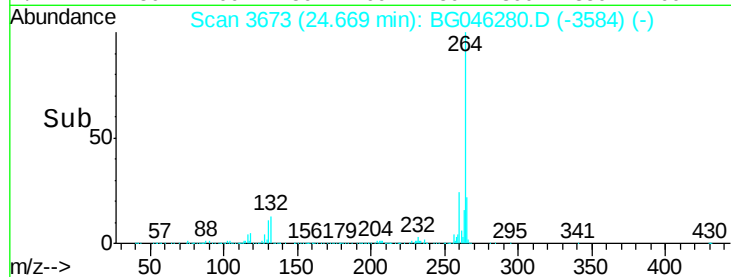
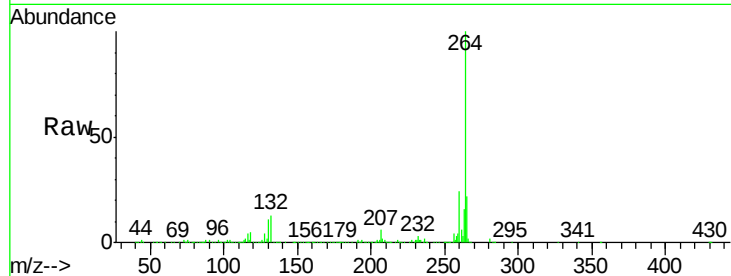
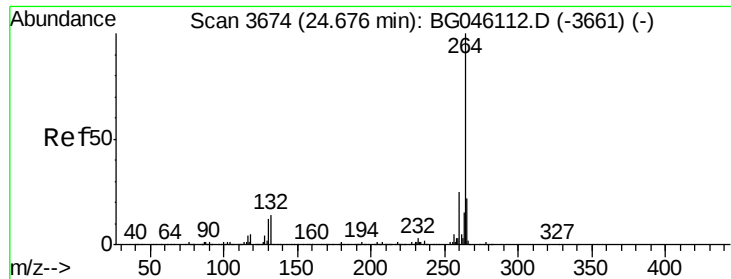


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.67 min Scan# 3673
Delta R.T. -0.01 min
Lab File: BG046280.D
Acq: 14 Aug 2020 17:59

Instrument :
BNA_G
ClientSampleId :
SP1-3

Tot Ion:264 Resp: 611974
Ion Ratio Lower Upper
264 100
260 24.2 19.7 29.5
265 21.8 17.6 26.4

