

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091020\
 Data File : BG046586.D
 Acq On : 10 Sep 2020 17:50
 Operator : CG/JU
 Sample : L3931-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1-2

Quant Time: Sep 10 18:41:24 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

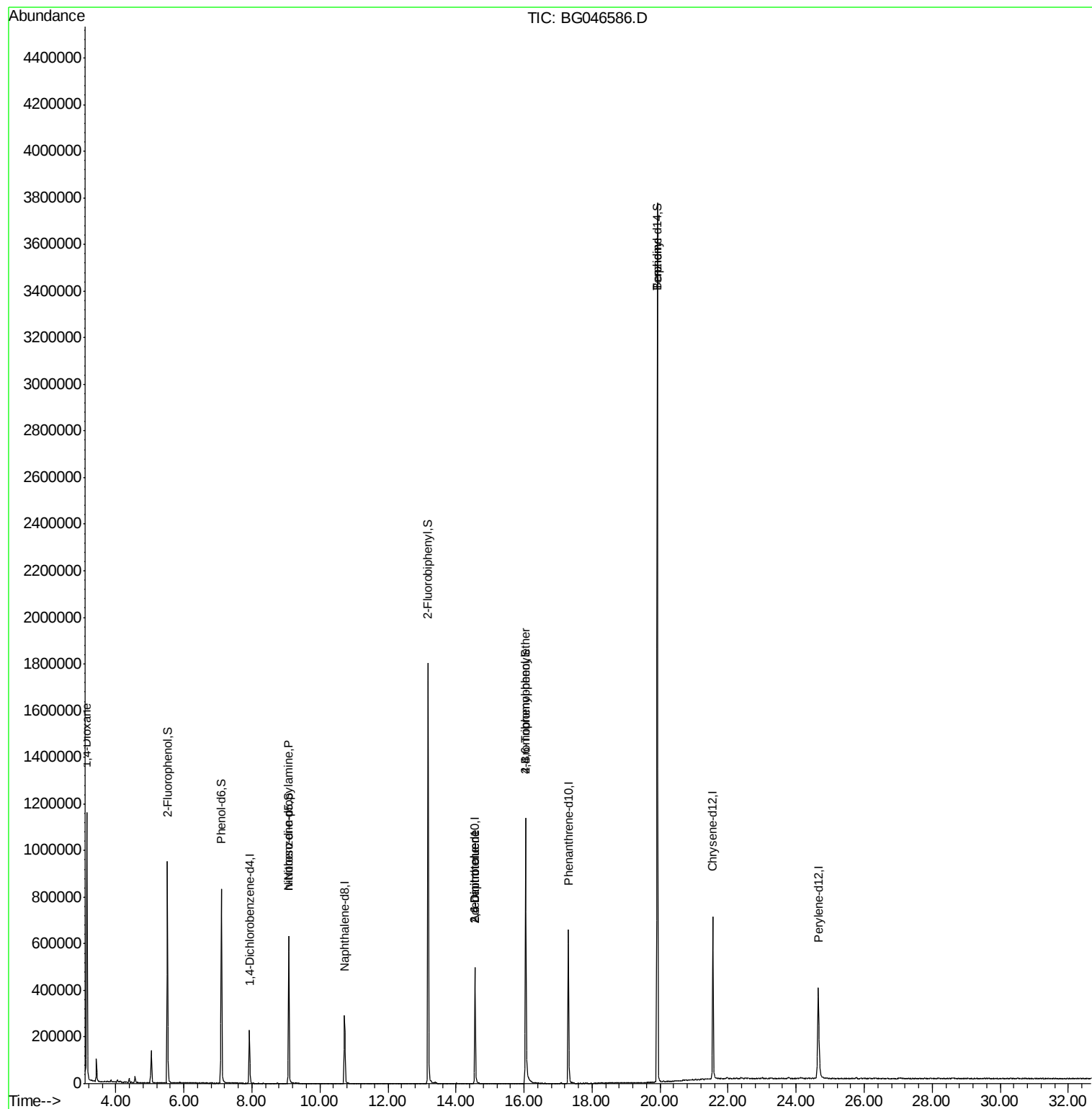
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	72719	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	285877	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	194042	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	468974	20.00	ng	0.00
76) Chrysene-d12	21.55	240	486841	20.00	ng	0.00
86) Perylene-d12	24.65	264	468717	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	439436	107.03	ng	0.00
7) Phenol-d6	7.10	99	530169	91.09	ng	0.00
23) Nitrobenzene-d5	9.08	82	412787	82.53	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	284250	108.12	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1065144	83.80	ng	0.00
79) Terphenyl-d14	19.92	244	1723212	75.33	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	11627	6.807	ng	# 1
19) n-Nitroso-di-n-propylamine	9.08	70	52681	15.132	ng	# 74
51) 2,6-Dinitrotoluene	14.56	165	26120	7.893	ng	# 33
57) 2,4-Dinitrotoluene	14.56	165	26267	5.567	ng	# 32
67) 4-Bromophenyl-phenylether	16.05	248	21347	3.902	ng	# 1
77) Benzidine	19.92	184	26190	2.315	ng	# 93

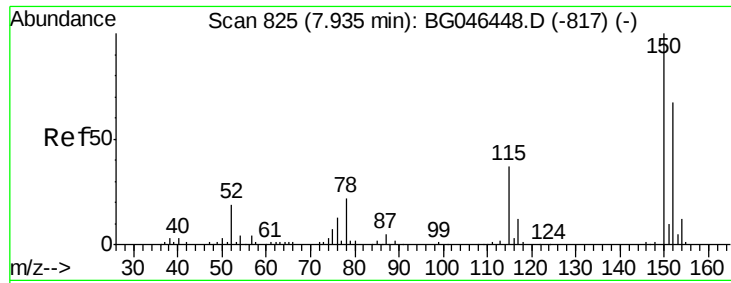
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091020\
Data File : BG046586.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 15:06:53 2020
Response via : Initial Calibration



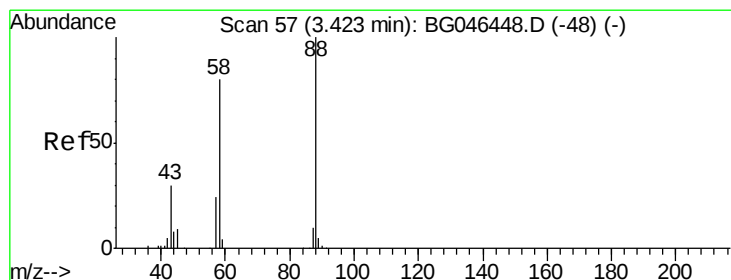
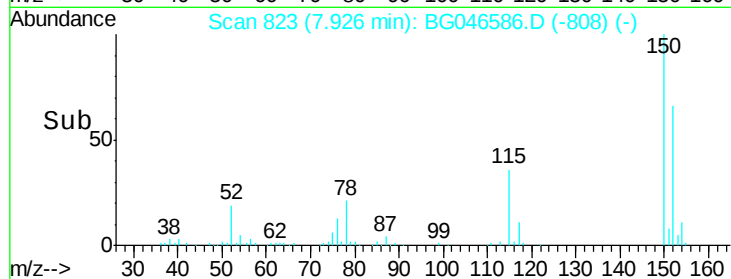
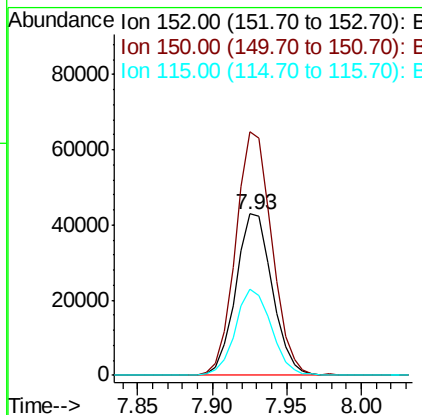
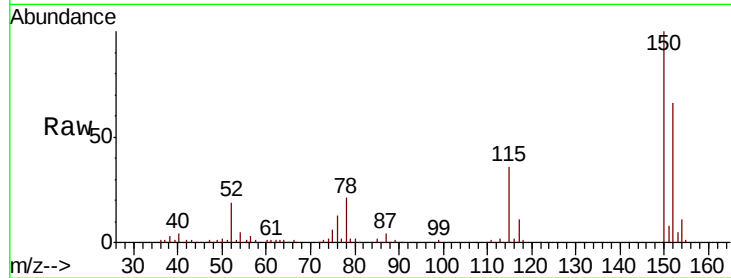


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BG046586.D
Acq: 10 Sep 2020 17:50

Instrument :
BNA_G
ClientSampleId :
SP-1-2

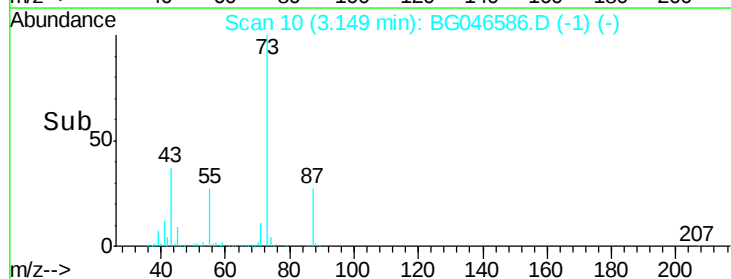
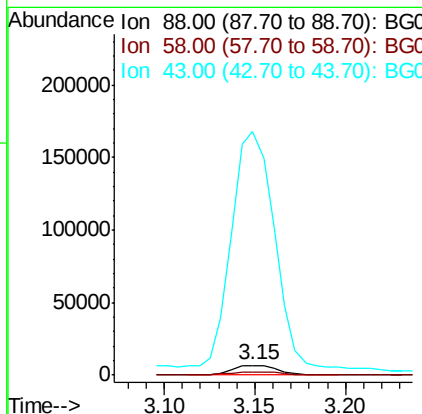
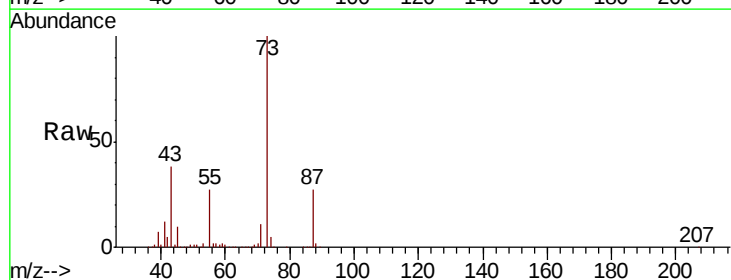
Tot Ion:152 Resp: 72719
Ion Ratio Lower Upper
152 100
150 150.7 119.5 179.3
115 53.6 44.3 66.5

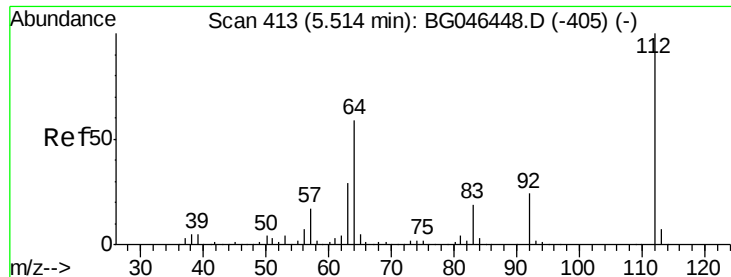


#2

1,4-Dioxane
Concen: 6.807 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.27 min
Lab File: BG046586.D
Acq: 10 Sep 2020 17:50

Tgt Ion: 88 Resp: 11627
Ion Ratio Lower Upper
88 100
58 31.2 61.4 92.2#
43 2422.0 21.6 32.4#





#5

2-Fluorophenol

Concen: 107.032 ng

RT: 5.52 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046586.D

Acq: 10 Sep 2020 17:50

Instrument :

BNA_G

ClientSampleId :

SP-1-2

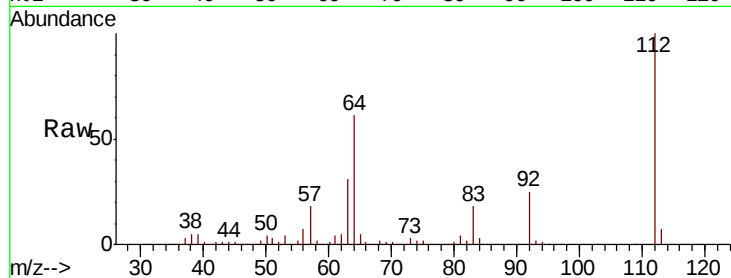
Tot Ion:112 Resp: 439436

Ion Ratio Lower Upper

112 100

64 61.4 47.0 70.6

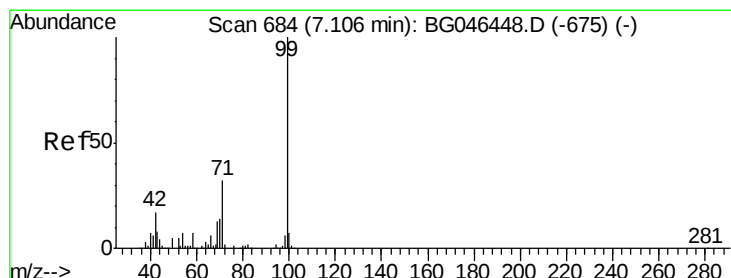
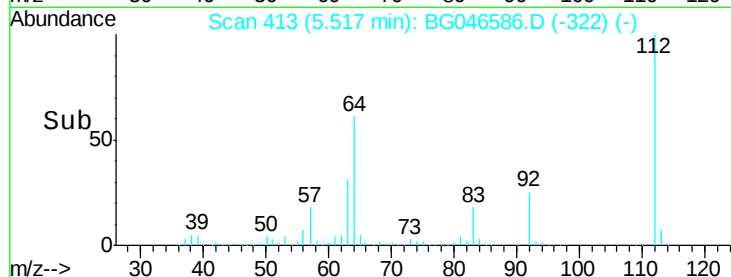
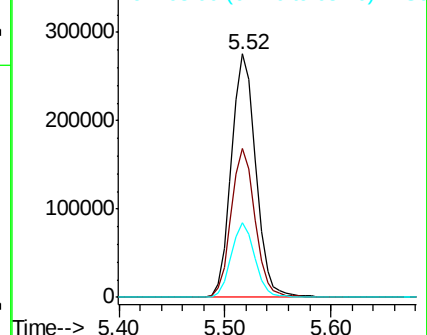
63 30.6 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 91.091 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046586.D

Acq: 10 Sep 2020 17:50

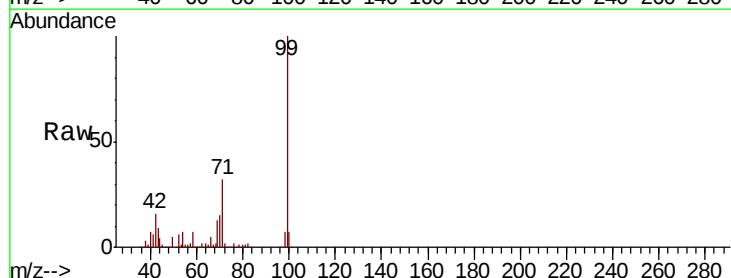
Tgt Ion: 99 Resp: 530169

Ion Ratio Lower Upper

99 100

42 16.0 13.3 19.9

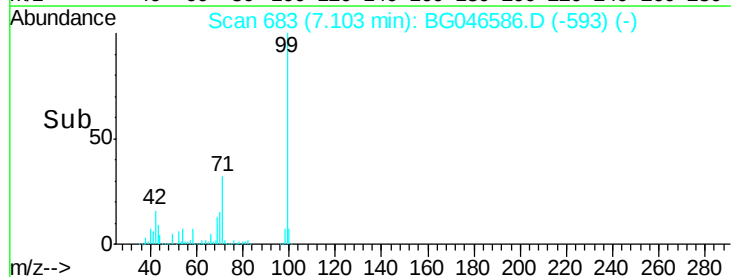
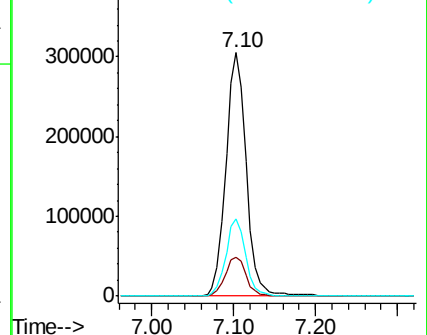
71 31.5 25.3 37.9

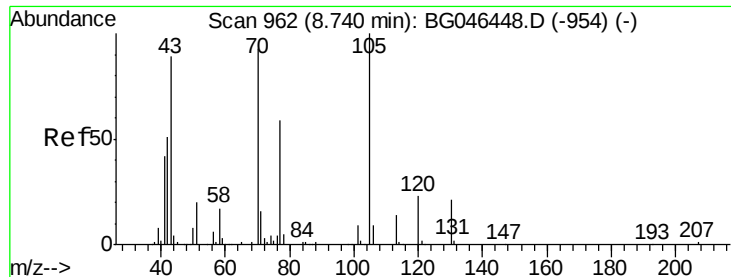


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

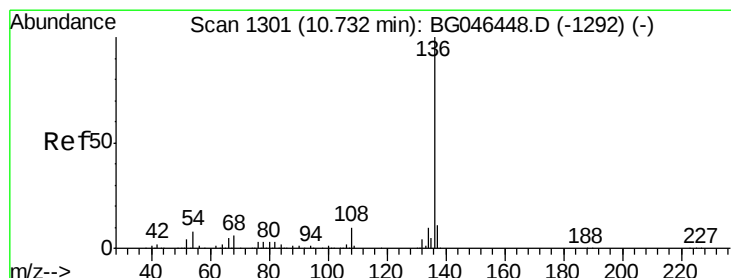
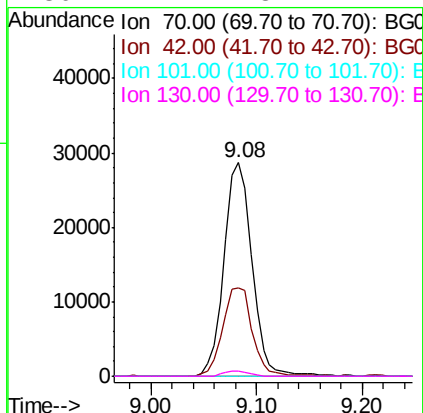
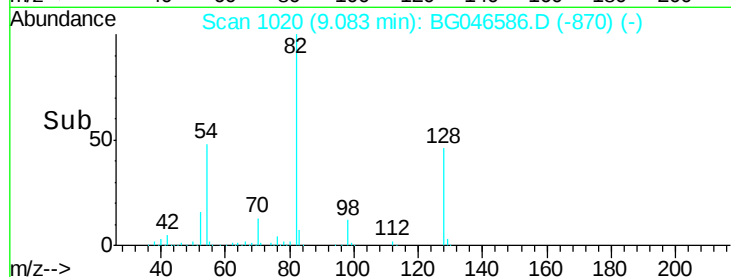
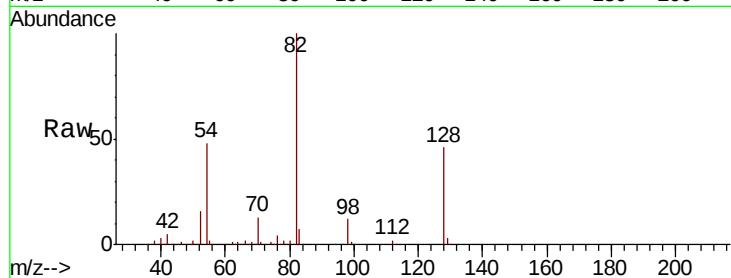




#19
n-Nitroso-di-n-propylamine
Concen: 15.132 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.35 min
Lab File: BG046586.D
Acq: 10 Sep 2020 17:50

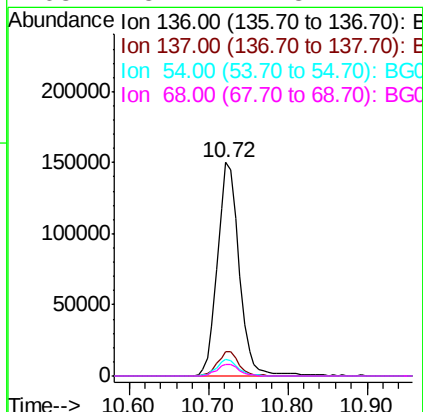
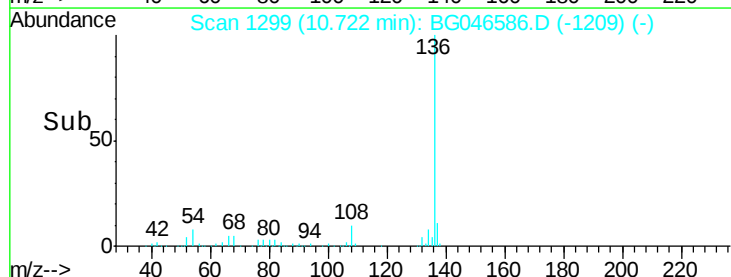
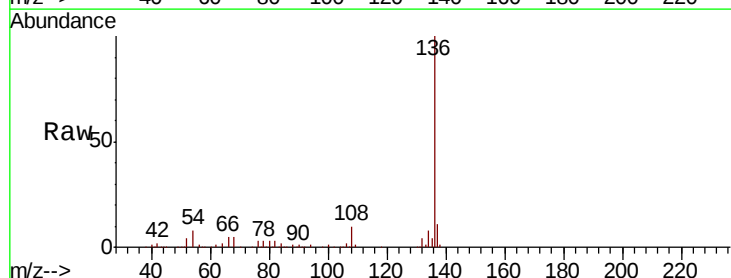
Instrument :
BNA_G
ClientSampleId :
SP-1-2

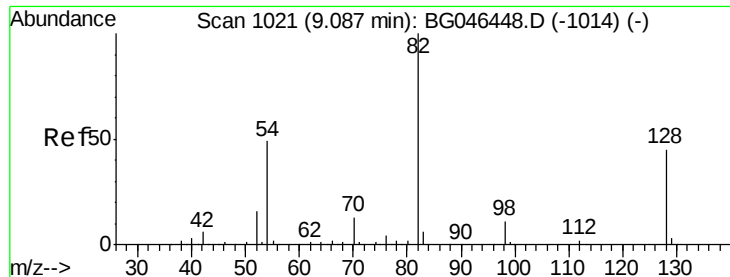
Tot Ion: 70 Resp: 52681
Ion Ratio Lower Upper
70 100
42 41.6 44.2 66.2#
101 0.0 7.8 11.8#
130 2.2 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BG046586.D
Acq: 10 Sep 2020 17:50

Tgt Ion: 136 Resp: 285877
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.9 6.1 9.1
68 5.1 4.8 7.2

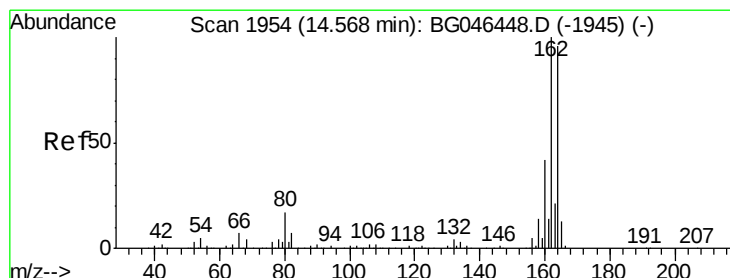
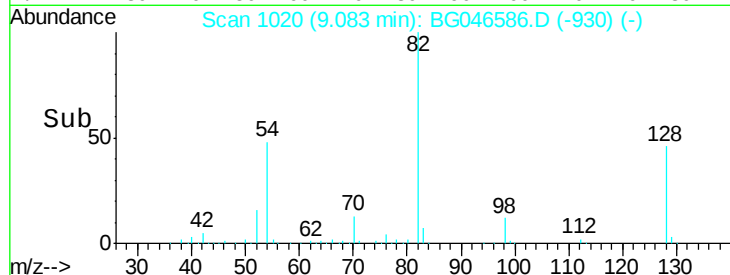
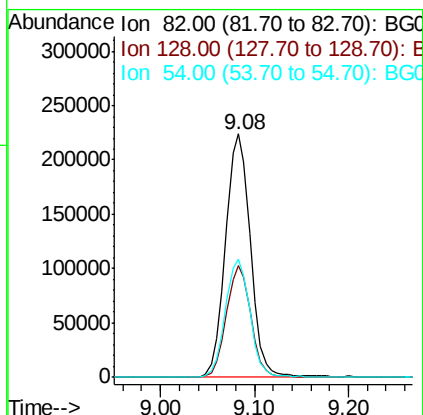
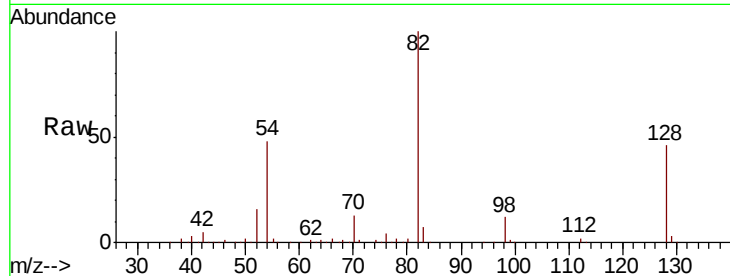




#23
Nitrobenzene-d5
Concen: 82.528 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG046586.D
Acq: 10 Sep 2020 17:50

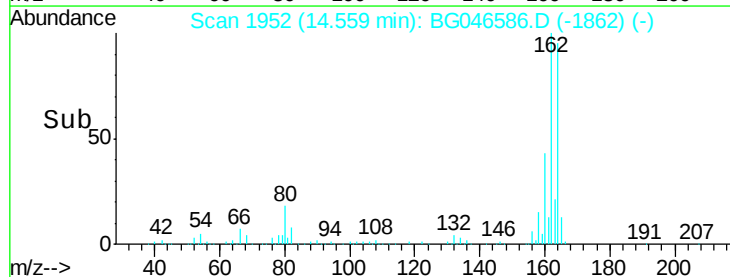
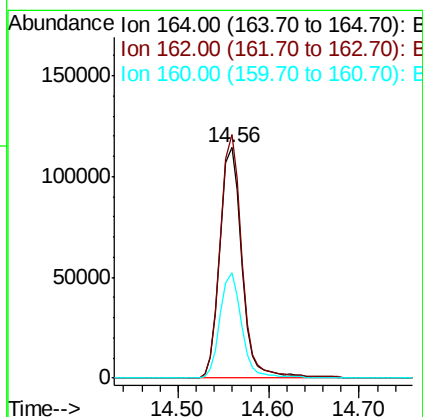
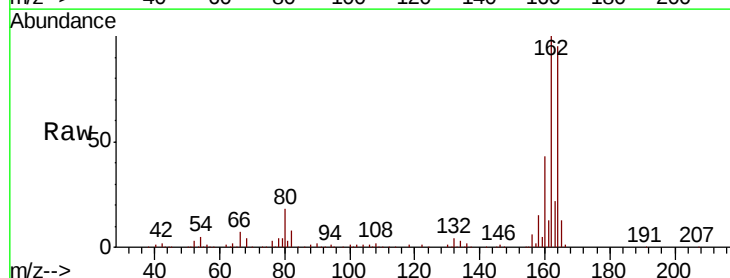
Instrument :
BNA_G
ClientSampled :
SP-1-2

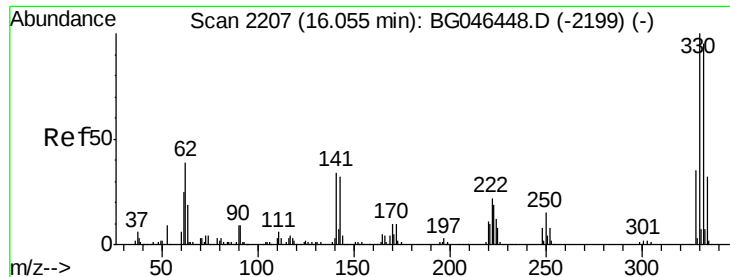
Tot Ion	82	Resp	412787
Ion Ratio	100	Lower	Upper
128	46.1	35.7	53.5
54	48.4	39.4	59.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BG046586.D
Acq: 10 Sep 2020 17:50

Tgt Ion	164	Resp	194042
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	105.8	83.3	124.9
160	45.7	35.0	52.6





#42

2,4,6-Tribromophenol

Concen: 108.115 ng

RT: 16.05 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG046586.D

Acq: 10 Sep 2020 17:50

Instrument :

BNA_G

ClientSampleId :

SP-1-2

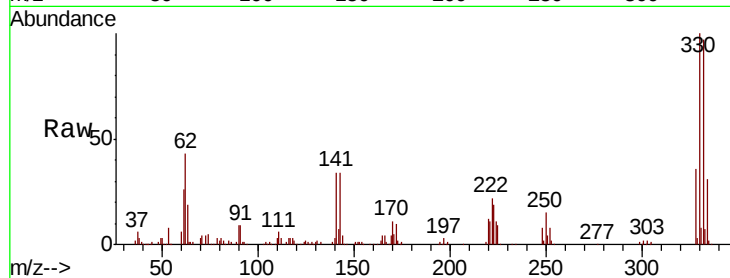
Tot Ion:330 Resp: 284250

Ion Ratio Lower Upper

330 100

332 96.4 76.1 114.1

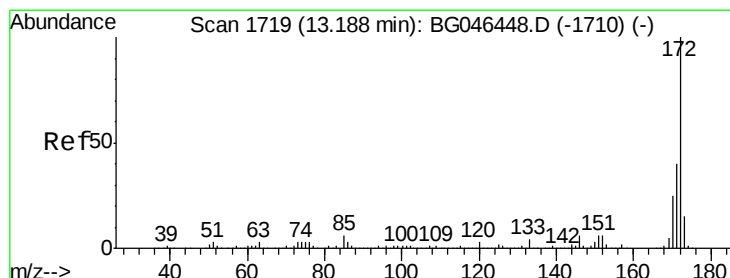
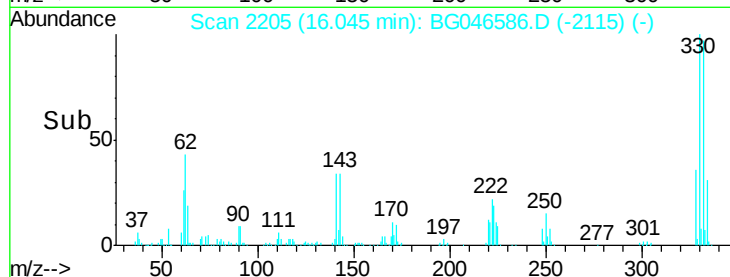
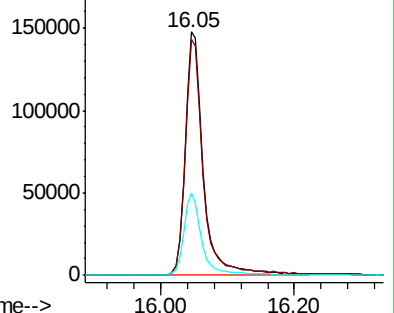
141 32.4 26.1 39.1



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: 83.797 ng

RT: 13.18 min Scan# 1717

Delta R.T. -0.01 min

Lab File: BG046586.D

Acq: 10 Sep 2020 17:50

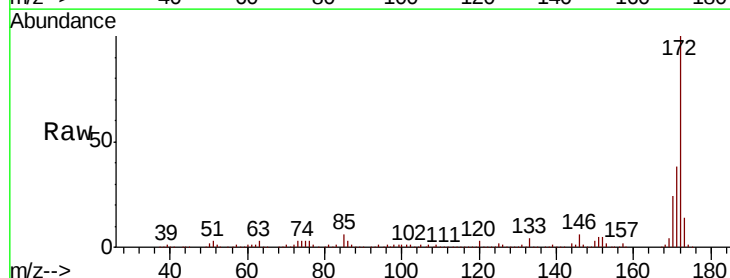
Tgt Ion:172 Resp: 1065144

Ion Ratio Lower Upper

172 100

171 37.5 31.8 47.6

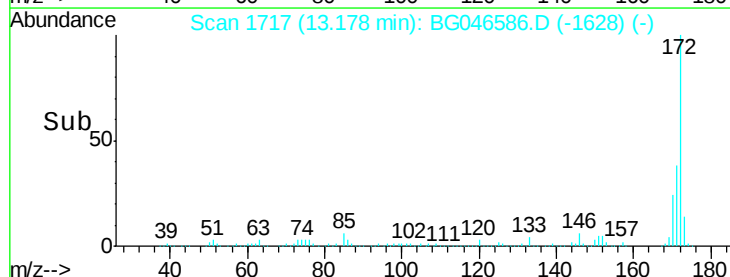
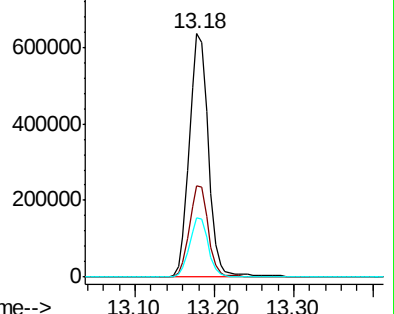
170 24.2 20.3 30.5

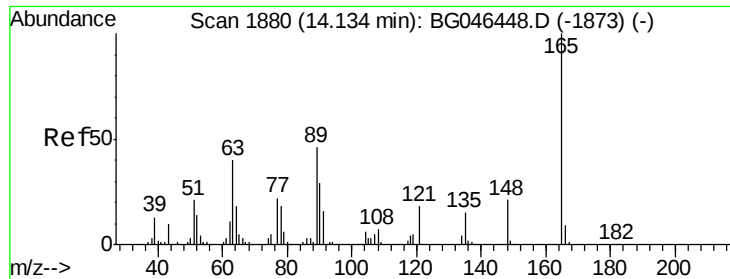


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

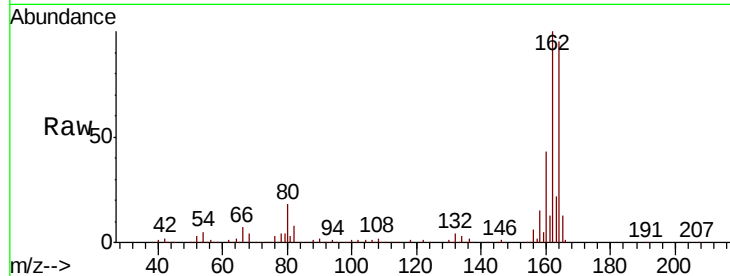




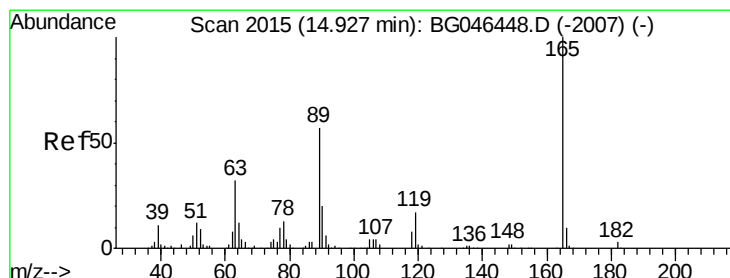
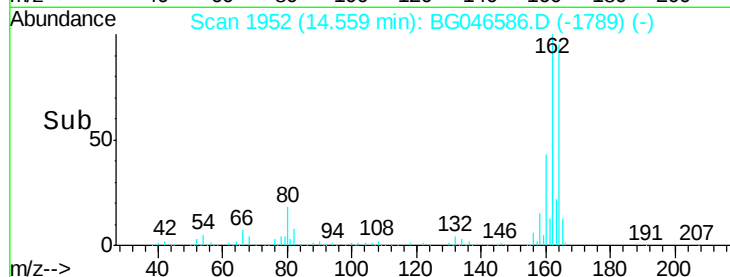
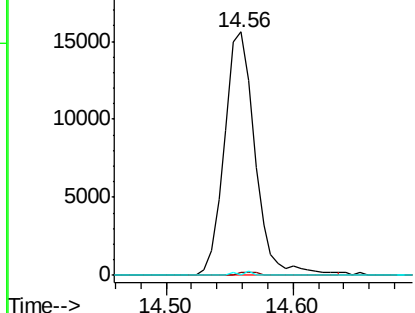
#51
 2,6-Dinitrotoluene
 Concen: 7.893 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.43 min
 Lab File: BG046586.D
 Acq: 10 Sep 2020 17:50

Instrument :
 BNA_G
 ClientSampleId :
 SP-1-2

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.2	51.4#
89	0.0	37.0	55.4#



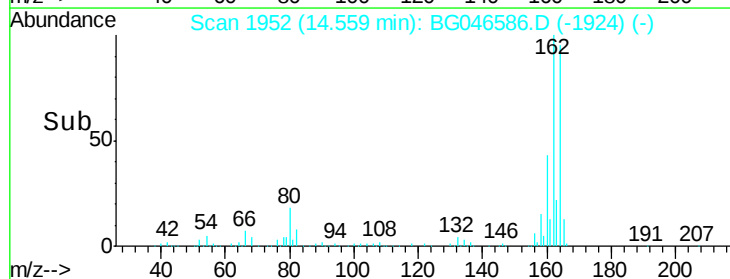
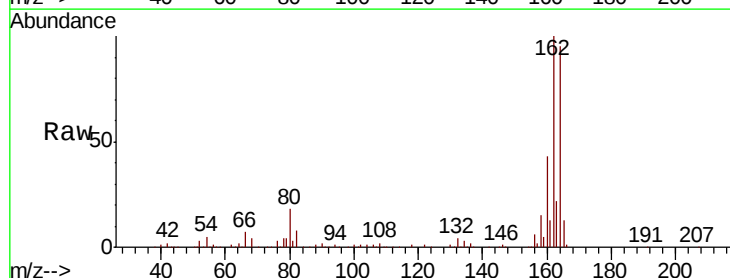
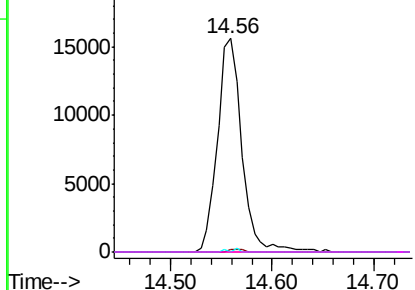
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

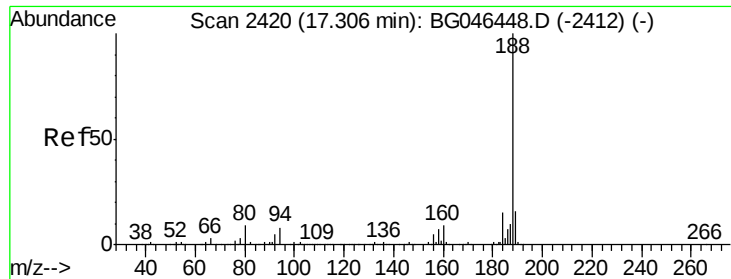


#57
 2,4-Dinitrotoluene
 Concen: 5.567 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046586.D
 Acq: 10 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	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

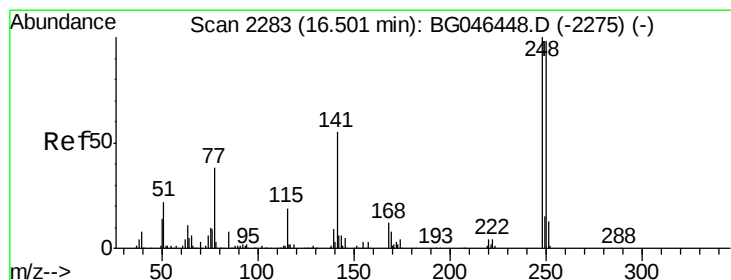
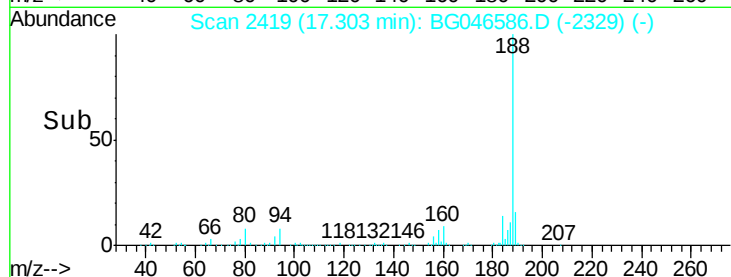
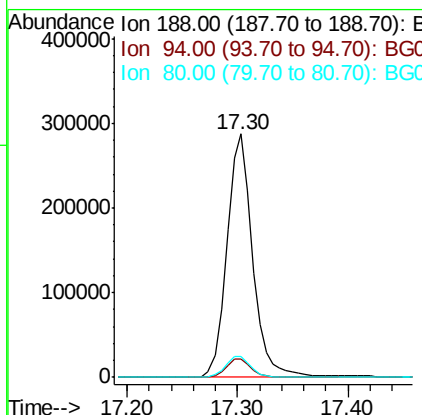
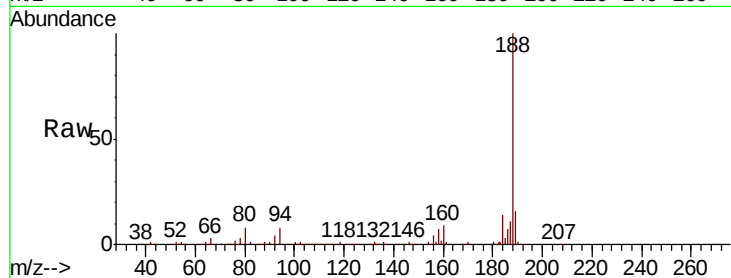




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG046586.D
 Acq: 10 Sep 2020 17:50

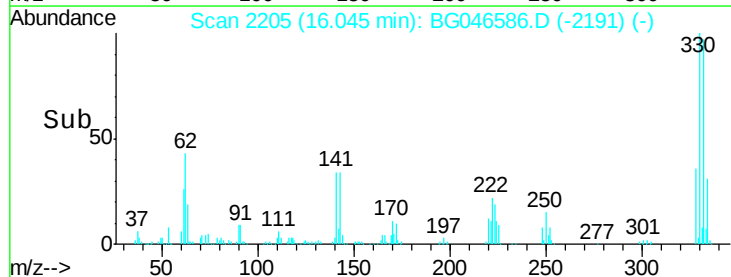
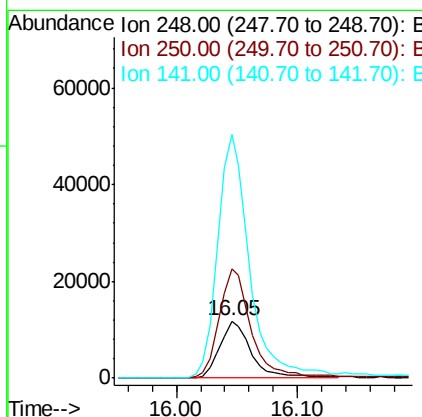
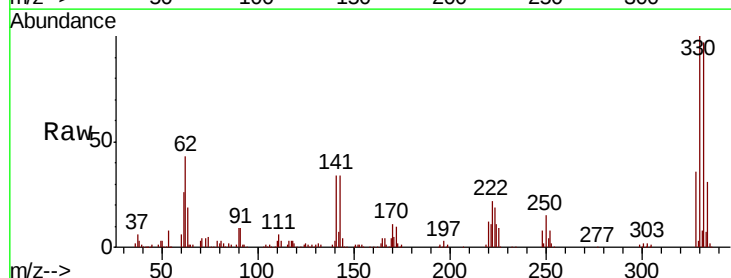
Instrument :
 BNA_G
 ClientSampleId :
 SP-1-2

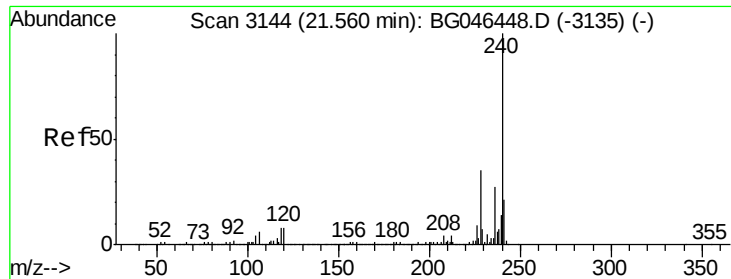
Tot Ion:188 Resp: 468974
 Ion Ratio Lower Upper
 188 100
 94 7.5 6.3 9.5
 80 8.4 6.9 10.3



#67
 4-Bromophenyl-phenylether
 Concen: 3.902 ng
 RT: 16.05 min Scan# 2205
 Delta R.T. -0.45 min
 Lab File: BG046586.D
 Acq: 10 Sep 2020 17:50

Tgt Ion:248 Resp: 21347
 Ion Ratio Lower Upper
 248 100
 250 190.2 78.6 118.0#
 141 425.7 43.9 65.9#

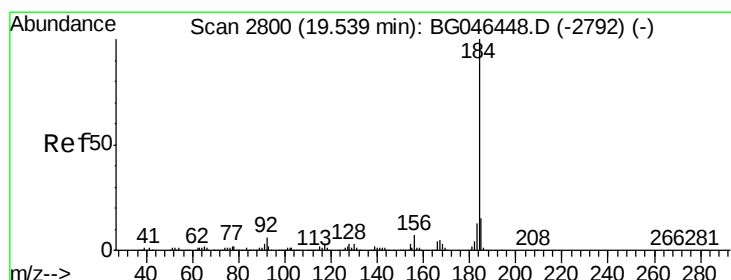
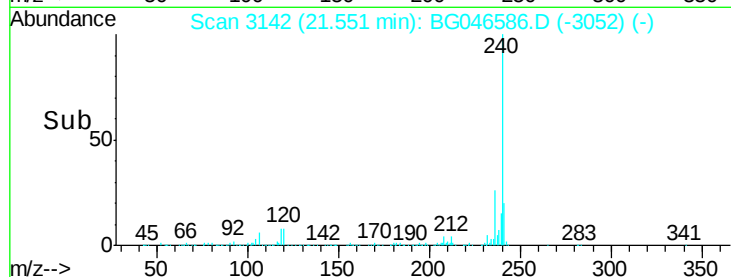
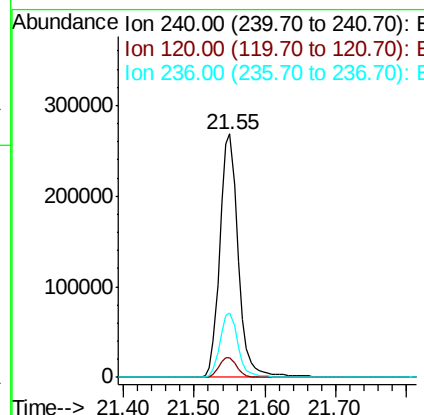
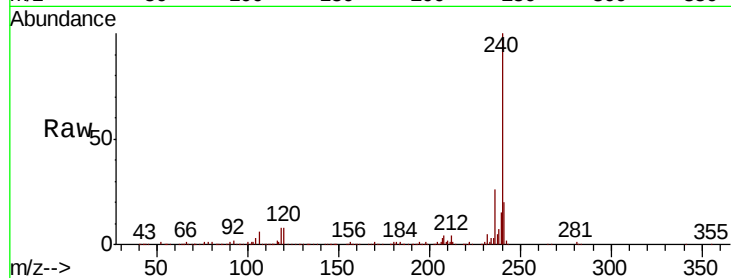




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG046586.D
Acq: 10 Sep 2020 17:50

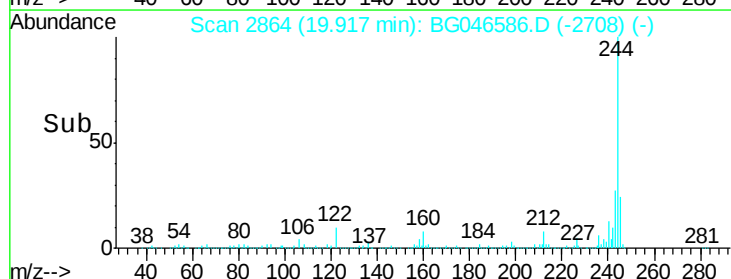
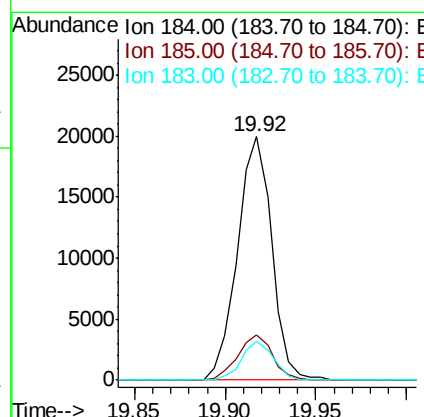
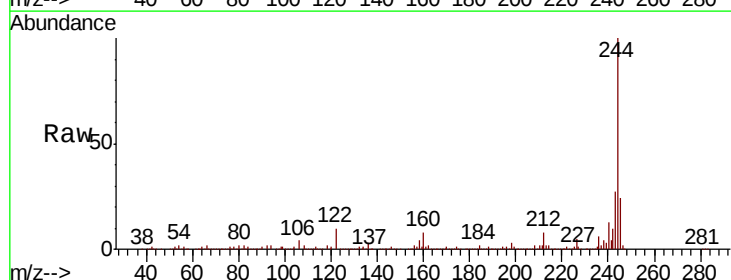
Instrument :
BNA_G
ClientSampleId :
SP-1-2

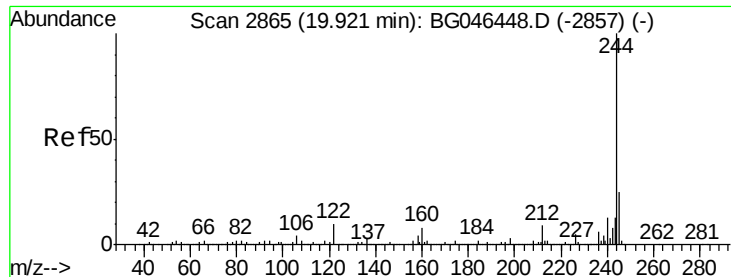
Tot Ion:240 Resp: 486841
Ion Ratio Lower Upper
240 100
120 8.3 6.6 10.0
236 26.5 21.4 32.2



#77
Benzidine
Concen: 2.315 ng
RT: 19.92 min Scan# 2864
Delta R.T. 0.38 min
Lab File: BG046586.D
Acq: 10 Sep 2020 17:50

Tgt Ion:184 Resp: 26190
Ion Ratio Lower Upper
184 100
185 18.4 11.8 17.8#
183 15.9 10.7 16.1





#79

Terphenyl-d14

Concen: 75.329 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046586.D

Acq: 10 Sep 2020 17:50

Instrument :

BNA_G

ClientSampleId :

SP-1-2

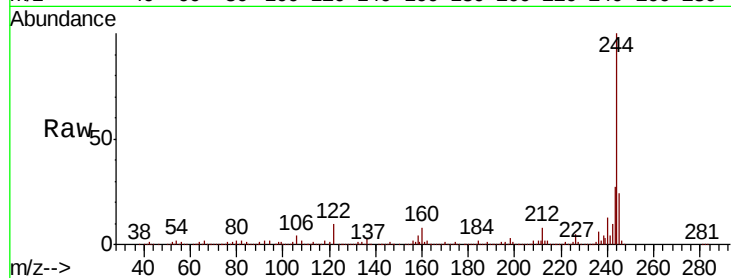
Tot Ion:244 Resp: 1723212

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

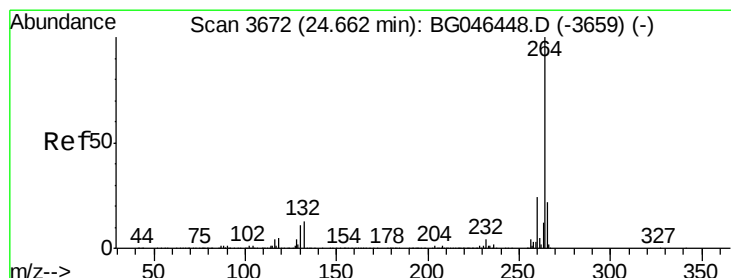
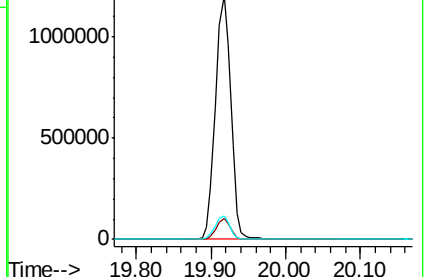
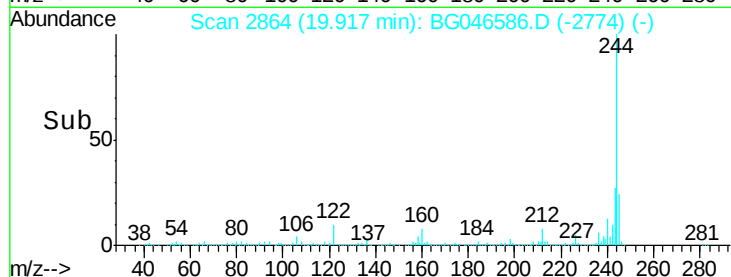
122 9.7 8.2 12.4



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: 24.65 min Scan# 3669

Delta R.T. -0.01 min

Lab File: BG046586.D

Acq: 10 Sep 2020 17:50

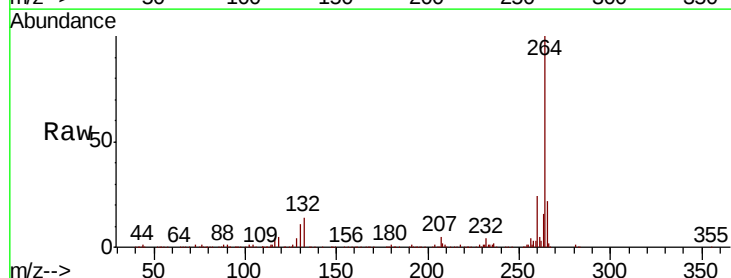
Tgt Ion:264 Resp: 468717

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.2 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

