

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090220\
 Data File : BG046510.D
 Acq On : 2 Sep 2020 19:33
 Operator : CG/JU
 Sample : L3837-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 789UMR-DSP01-02

Quant Time: Sep 03 00:41:49 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

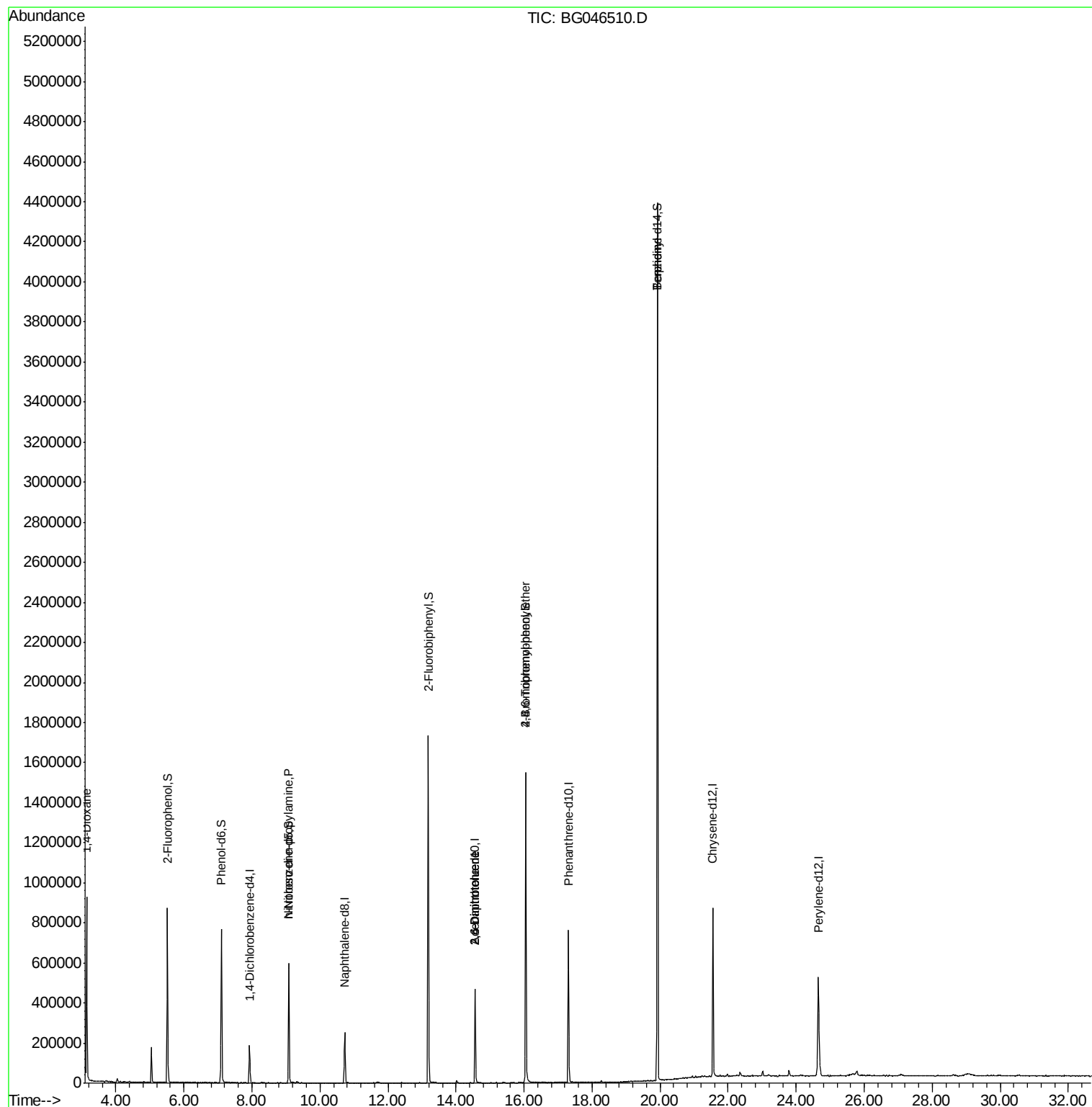
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	58072	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	241613	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	176259	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	510930	20.00	ng	0.00
76) Chrysene-d12	21.55	240	535453	20.00	ng	0.00
86) Perylene-d12	24.65	264	540119	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	400224	122.07	ng	0.00
7) Phenol-d6	7.10	99	482635	103.84	ng	0.00
23) Nitrobenzene-d5	9.08	82	383972	90.83	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	327670	137.20	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	983218	85.16	ng	0.00
79) Terphenyl-d14	19.92	244	1948520	77.44	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	7238	5.306	ng	# 1
19) n-Nitroso-di-n-propylamine	9.08	70	48952	17.607	ng	# 75
51) 2,6-Dinitrotoluene	14.56	165	23285	7.746	ng	# 34
57) 2,4-Dinitrotoluene	14.56	165	23285	5.433	ng	# 34
67) 4-Bromophenyl-phenylether	16.05	248	25250	4.236	ng	# 1
77) Benzidine	19.92	184	31217	2.509	ng	# 90

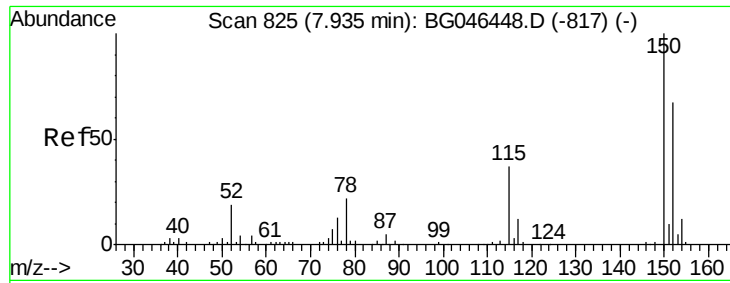
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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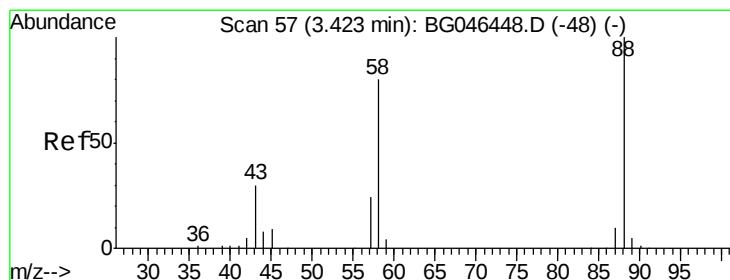
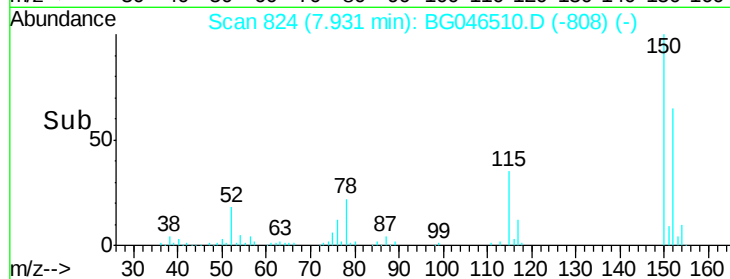
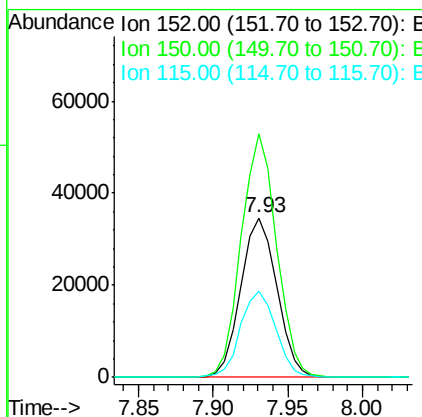
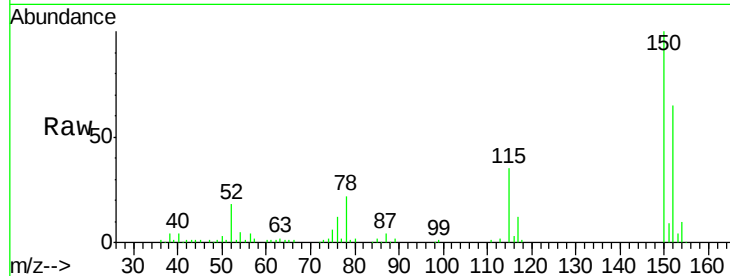


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046510.D
Acq: 2 Sep 2020 19:33

Instrument :
BNA_G
ClientSampleId :
789UMR-DSP01-02

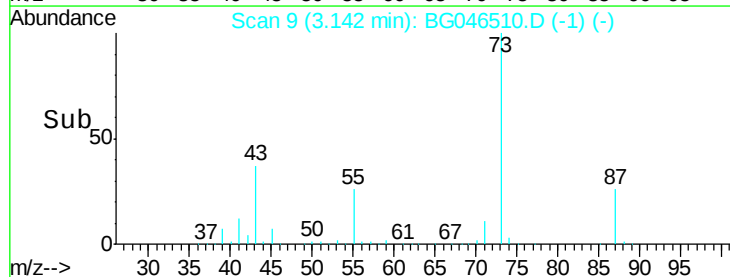
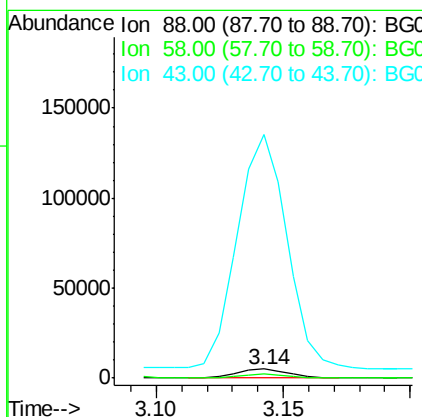
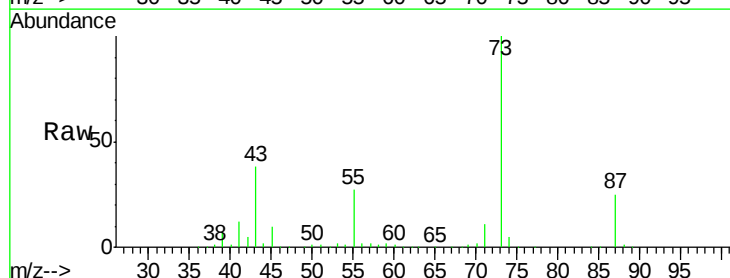
Tot Ion:152 Resp: 58072
Ion Ratio Lower Upper
152 100
150 152.8 119.5 179.3
115 53.8 44.3 66.5

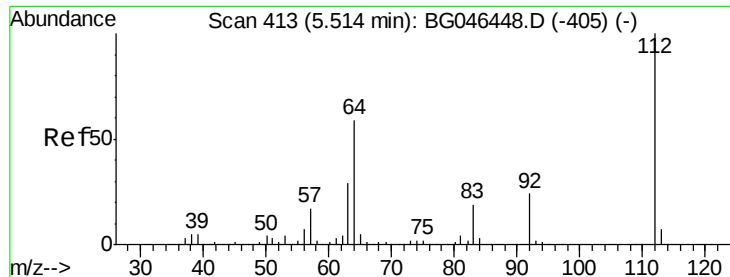


#2

1,4-Dioxane
Concen: 5.306 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.28 min
Lab File: BG046510.D
Acq: 2 Sep 2020 19:33

Tgt Ion: 88 Resp: 7238
Ion Ratio Lower Upper
88 100
58 34.9 61.4 92.2#
43 2654.1 21.6 32.4#





#5

2-Fluorophenol

Concen: 122.068 ng

RT: 5.52 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046510.D

Acq: 2 Sep 2020 19:33

Instrument :

BNA_G

ClientSampleId :

789UMR-DSP01-02

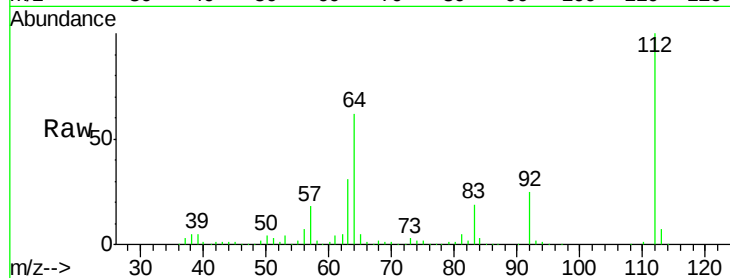
Tot Ion:112 Resp: 400224

Ion Ratio Lower Upper

112 100

64 61.7 47.0 70.6

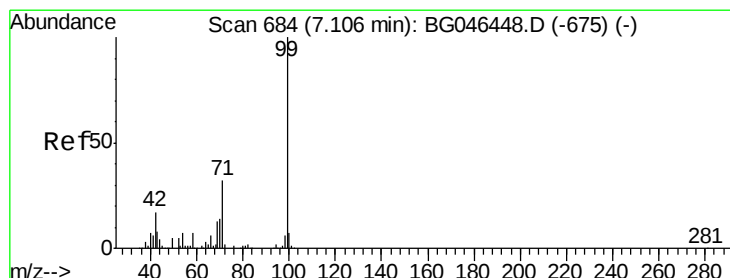
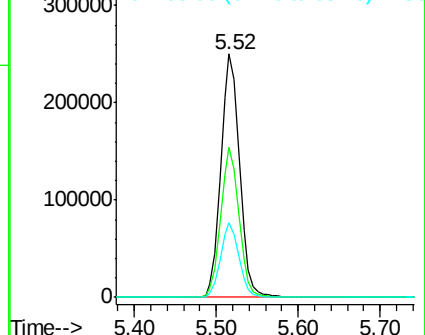
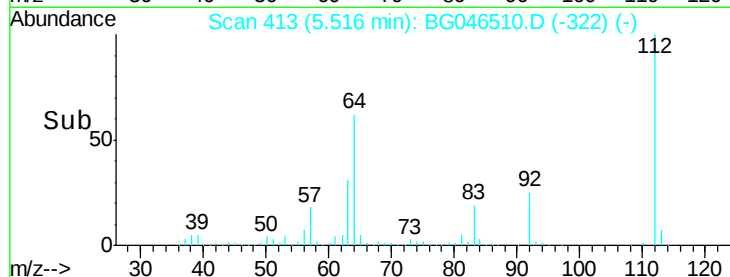
63 30.9 23.5 35.3



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: 103.839 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046510.D

Acq: 2 Sep 2020 19:33

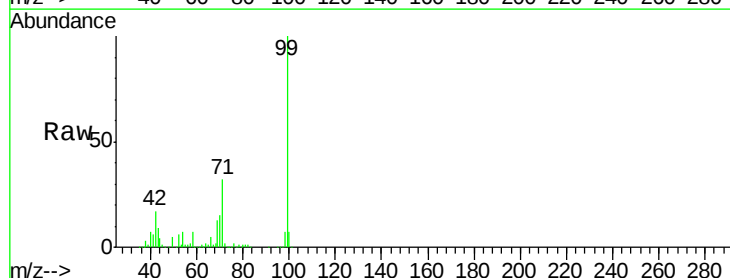
Tgt Ion: 99 Resp: 482635

Ion Ratio Lower Upper

99 100

42 17.0 13.3 19.9

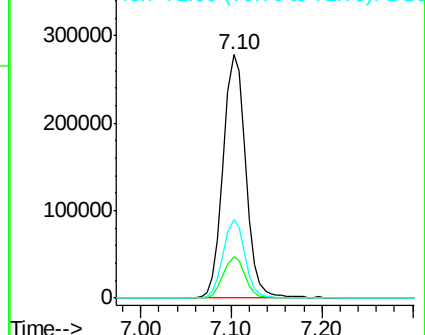
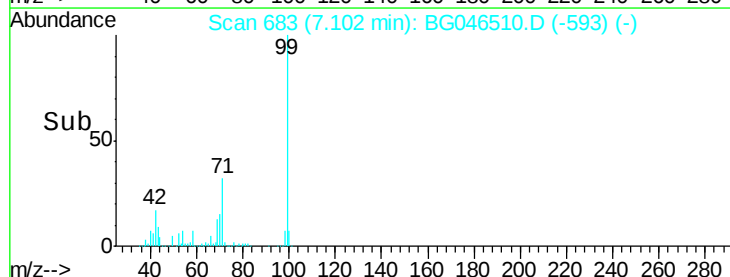
71 32.2 25.3 37.9

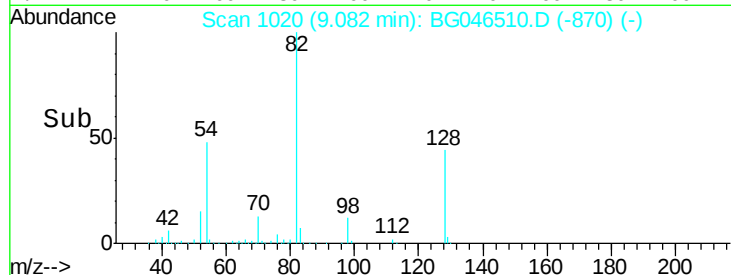
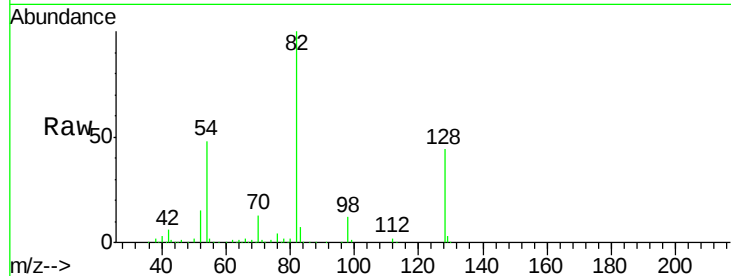
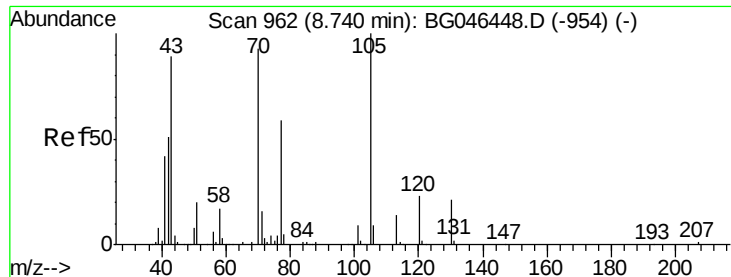


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

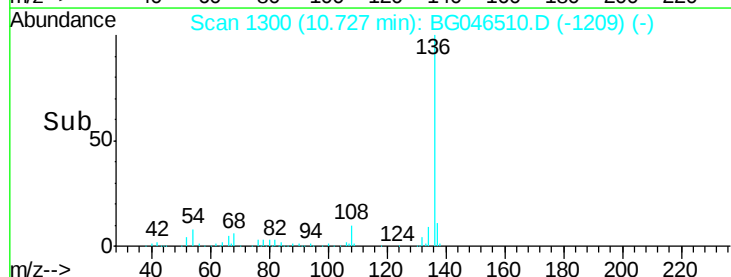
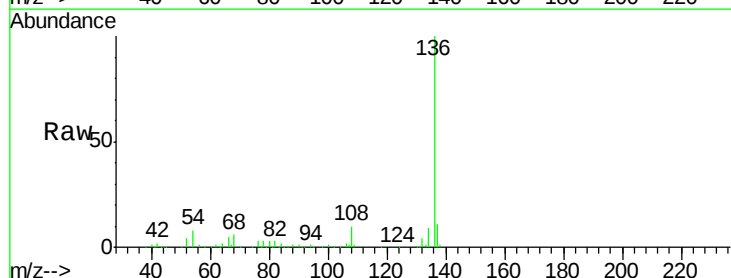
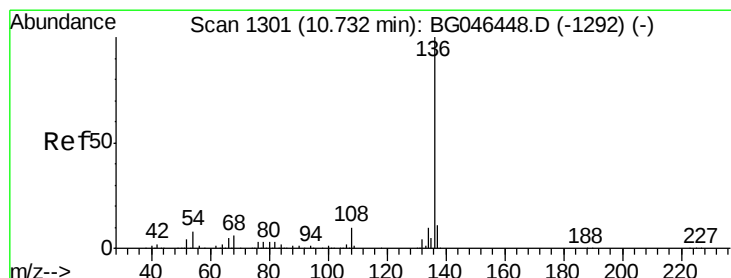
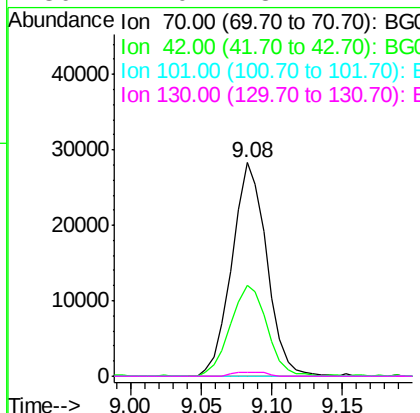




#19
n-Nitroso-di-n-propylamine
Concen: 17.607 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.35 min
Lab File: BG046510.D
Acq: 2 Sep 2020 19:33

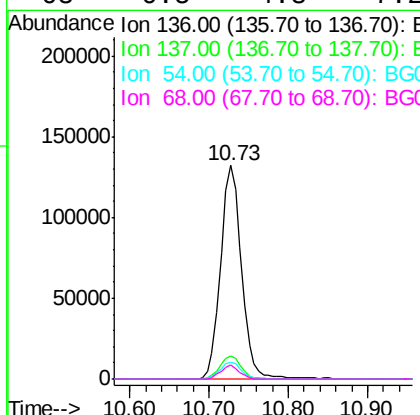
Instrument :
BNA_G
ClientSampleId :
789UMR-DSP01-02

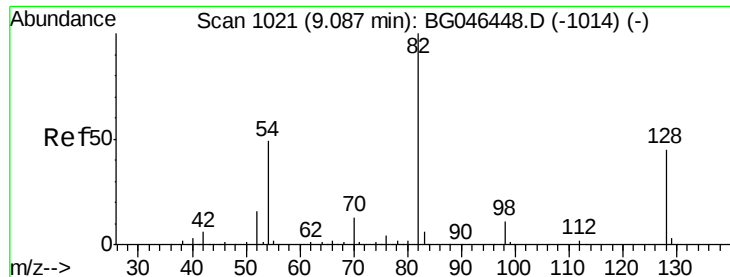
Tot Ion: 70 Resp: 48952
Ion Ratio Lower Upper
70 100
42 42.7 44.2 66.2#
101 0.0 7.8 11.8#
130 2.0 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG046510.D
Acq: 2 Sep 2020 19:33

Tgt Ion: 136 Resp: 241613
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.1 6.1 9.1
68 6.5 4.8 7.2

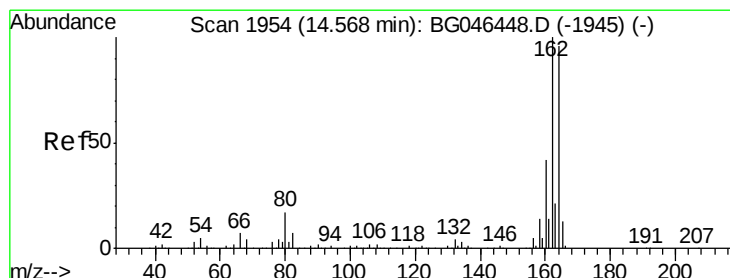
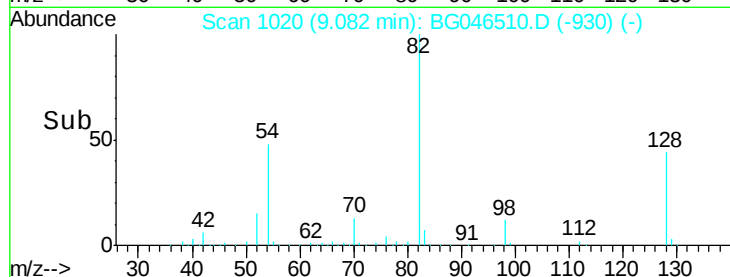
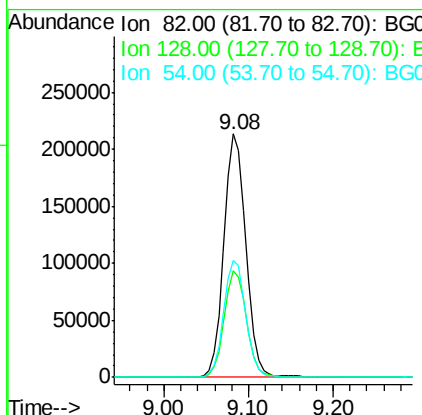
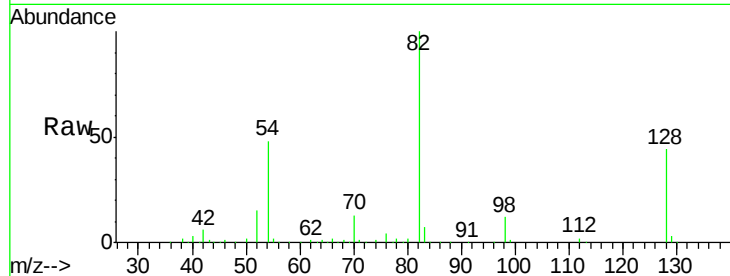




#23
 Nitrobenzene-d5
 Concen: 90.831 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG046510.D
 Acq: 2 Sep 2020 19:33

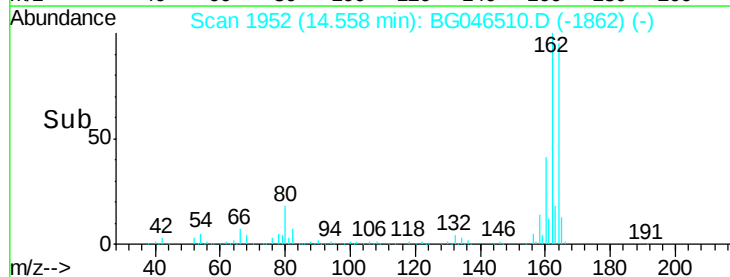
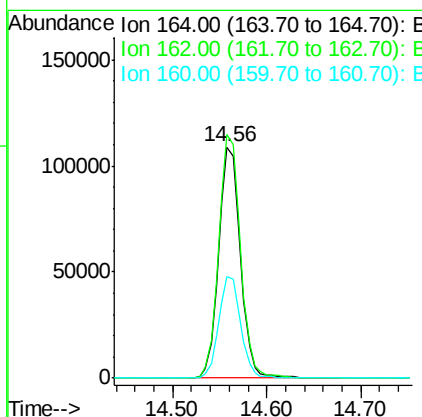
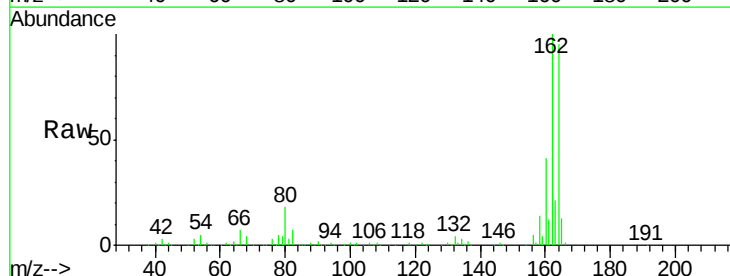
Instrument :
 BNA_G
 ClientSampleId :
 789UMR-DSP01-02

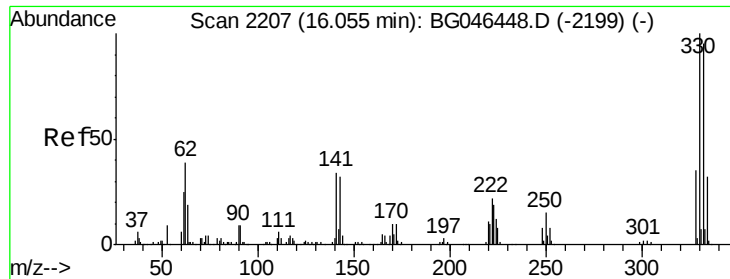
Tot Ion	82	Resp	383972
Ion Ratio	Lower	Upper	
82	100		
128	43.6	35.7	53.5
54	48.1	39.4	59.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: BG046510.D
 Acq: 2 Sep 2020 19:33

Tgt Ion	164	Resp	176259
Ion Ratio	Lower	Upper	
164	100		
162	105.3	83.3	124.9
160	43.7	35.0	52.6

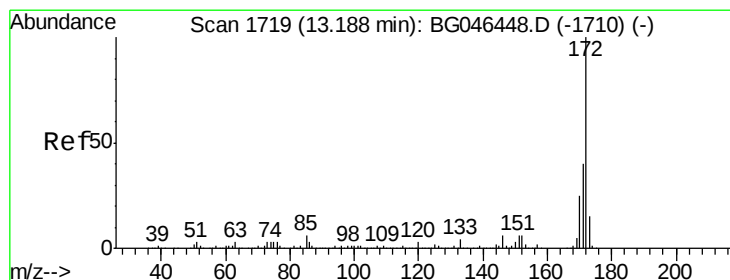
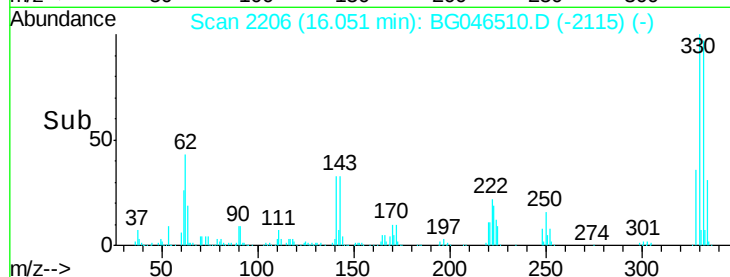
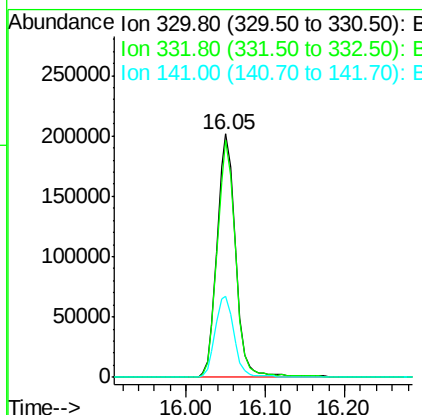
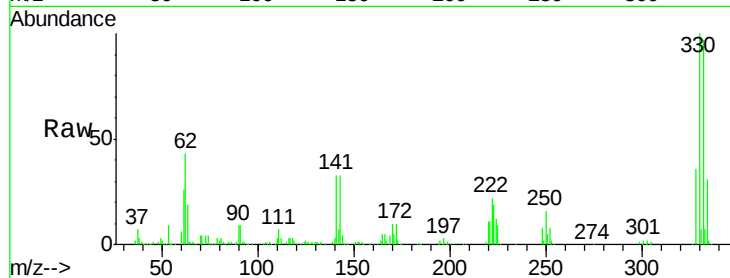




#42
 2,4,6-Tribromophenol
 Concen: 137.205 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG046510.D
 Acq: 2 Sep 2020 19:33

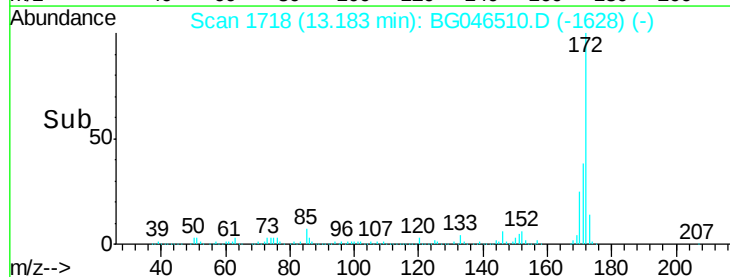
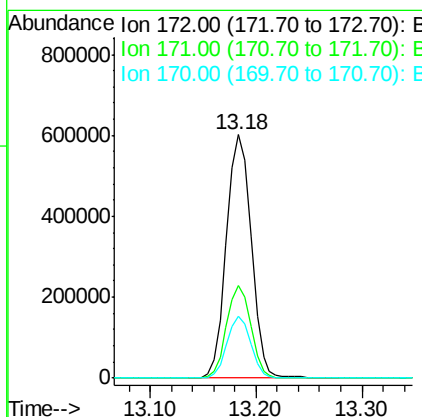
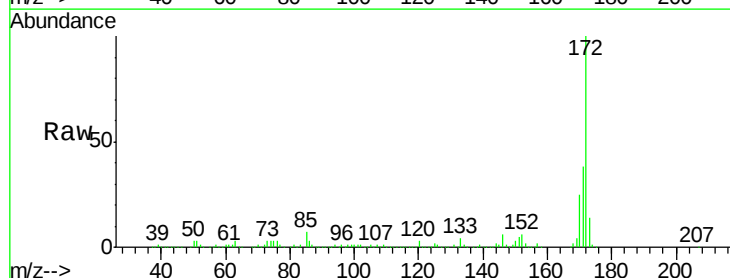
Instrument :
 BNA_G
 ClientSampleId :
 789UMR-DSP01-02

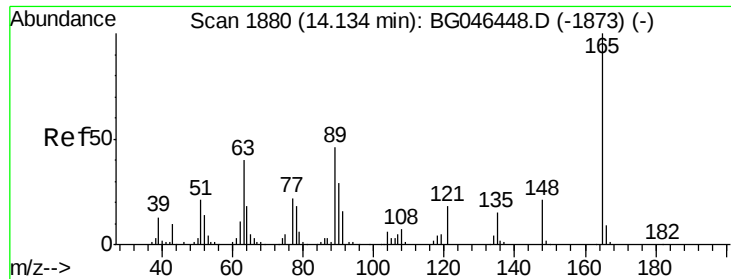
Tot Ion:330 Resp: 327670
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.1 114.1
 141 34.2 26.1 39.1



#45
 2-Fluorobiphenyl
 Concen: 85.156 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046510.D
 Acq: 2 Sep 2020 19:33

Tgt Ion:172 Resp: 983218
 Ion Ratio Lower Upper
 172 100
 171 38.1 31.8 47.6
 170 25.2 20.3 30.5

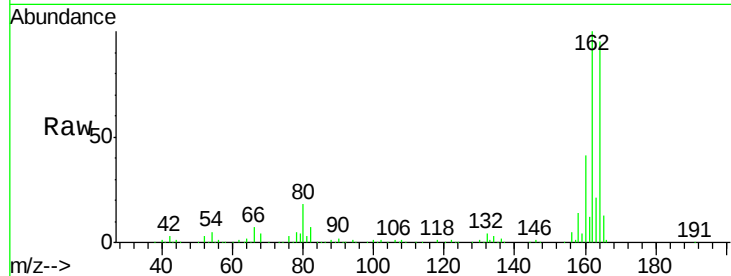




#51
 2,6-Dinitrotoluene
 Concen: 7.746 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.42 min
 Lab File: BG046510.D
 Acq: 2 Sep 2020 19:33

Instrument :
 BNA_G
 ClientSampleId :
 789UMR-DSP01-02

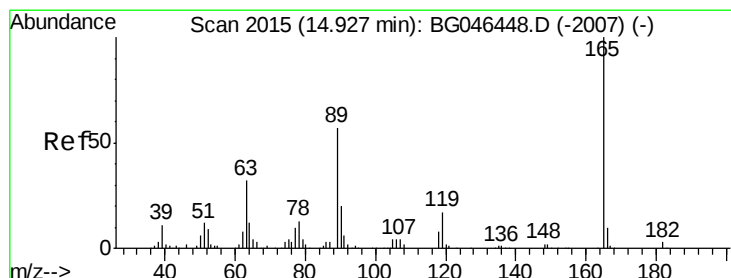
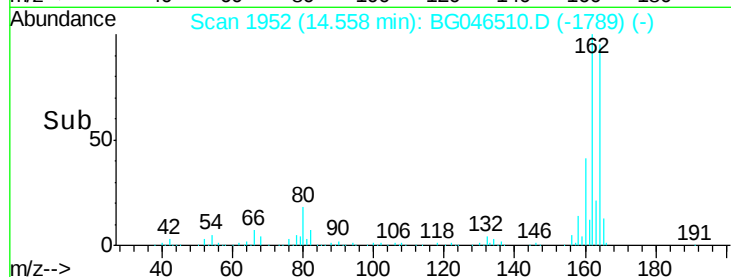
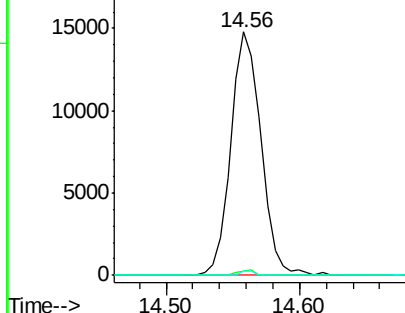
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.2	51.4#
89	1.7	37.0	55.4#



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: 5.433 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046510.D
 Acq: 2 Sep 2020 19:33

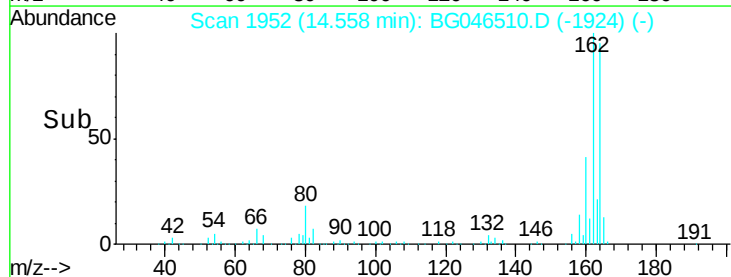
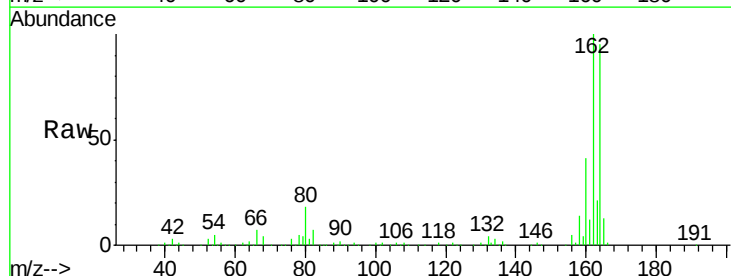
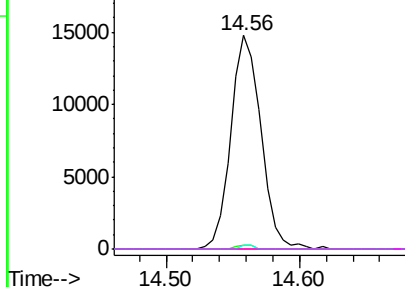
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	1.7	45.9	68.9#
182	0.0	2.3	3.5#

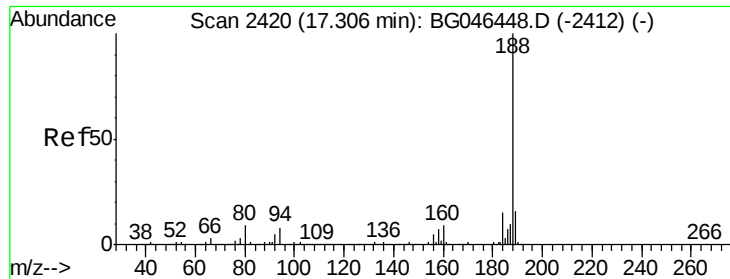
Abundance Ion 165.00 (164.70 to 165.70): E

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

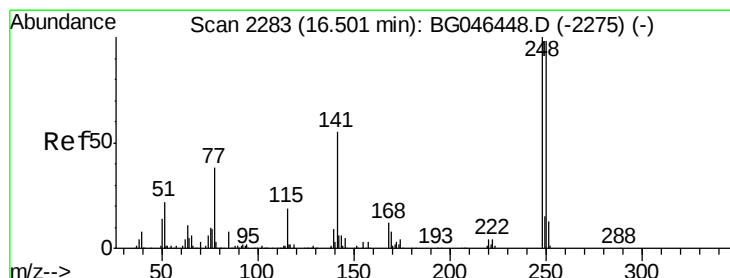
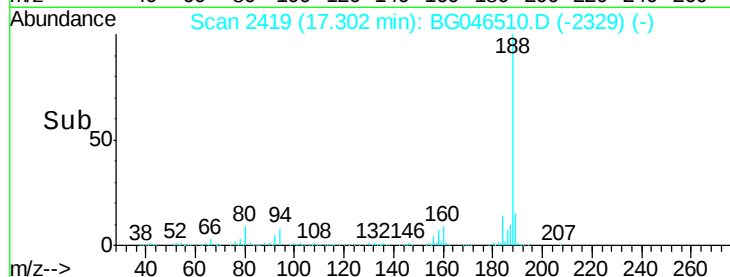
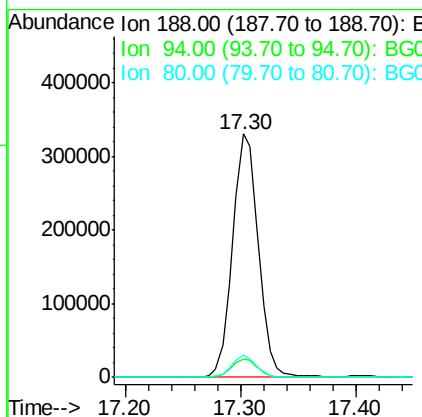
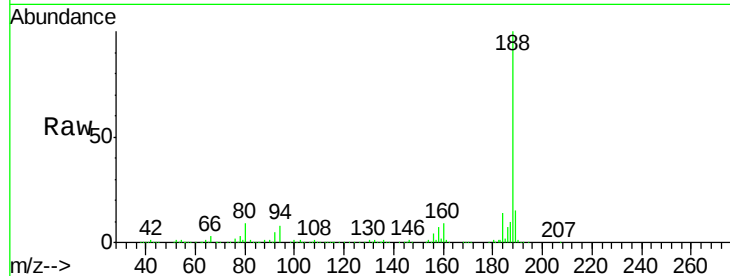




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.30 min Scan# 2419
Delta R.T. -0.00 min
Lab File: BG046510.D
Acq: 2 Sep 2020 19:33

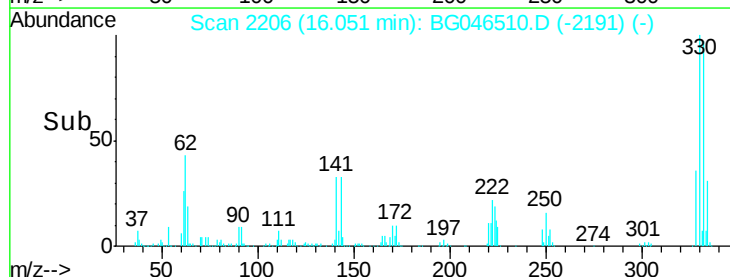
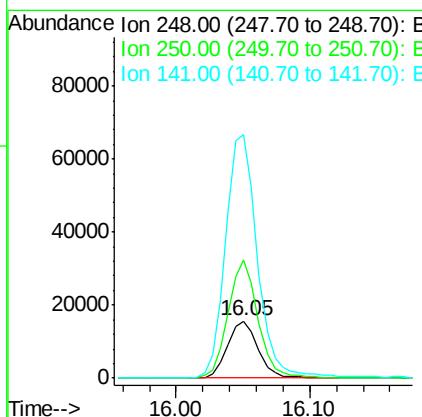
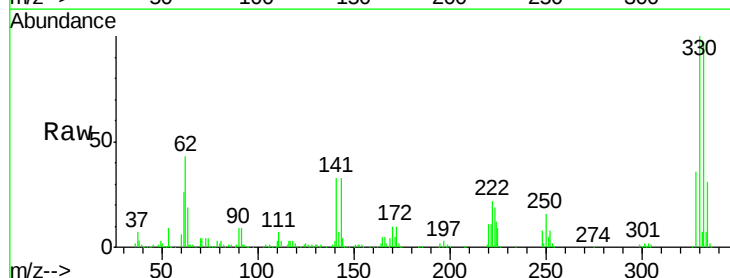
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789UMR-DSP01-02

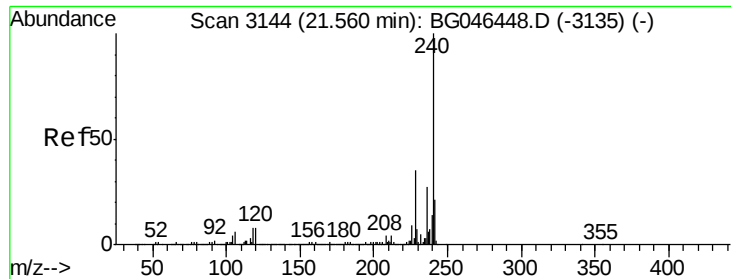
Tot Ion:188 Resp: 510930
Ion Ratio Lower Upper
188 100
94 7.7 6.3 9.5
80 9.1 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.236 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.44 min
Lab File: BG046510.D
Acq: 2 Sep 2020 19:33

Tgt Ion:248 Resp: 25250
Ion Ratio Lower Upper
248 100
250 206.6 78.6 118.0#
141 427.2 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: BG046510.D

Acq: 2 Sep 2020 19:33

Instrument :

BNA_G

ClientSampleId :

789UMR-DSP01-02

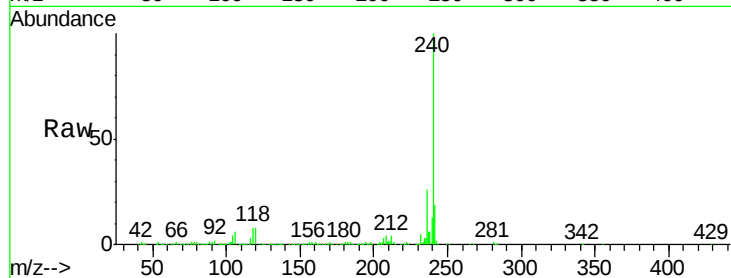
Tot Ion:240 Resp: 535453

Ion Ratio Lower Upper

240 100

120 7.9 6.6 10.0

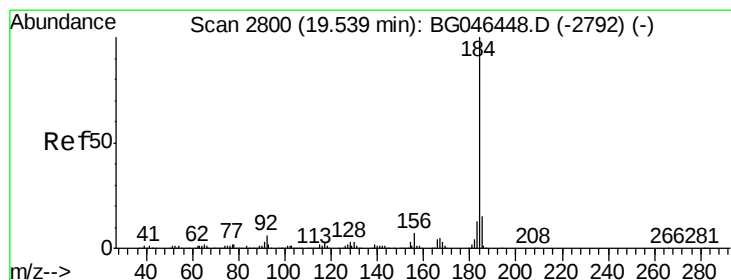
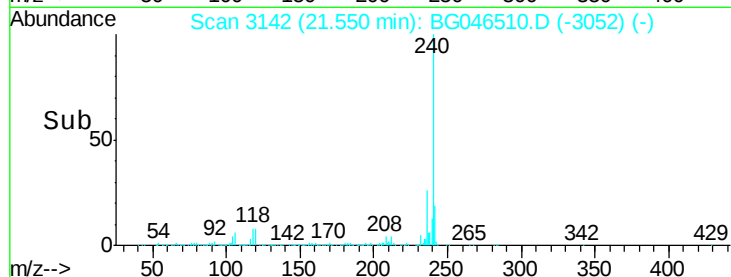
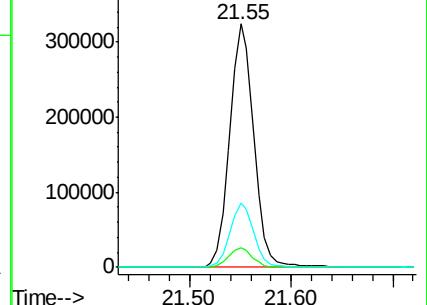
236 26.2 21.4 32.2



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: 2.509 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.39 min

Lab File: BG046510.D

Acq: 2 Sep 2020 19:33

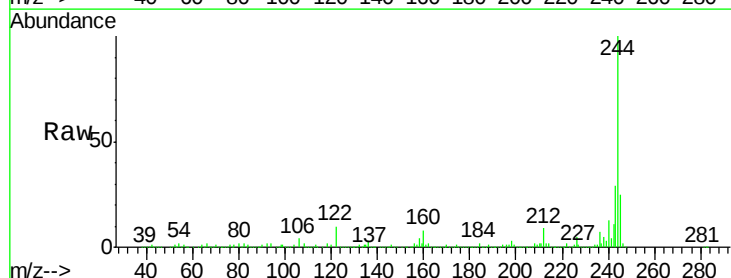
Tgt Ion:184 Resp: 31217

Ion Ratio Lower Upper

184 100

185 19.9 11.8 17.8#

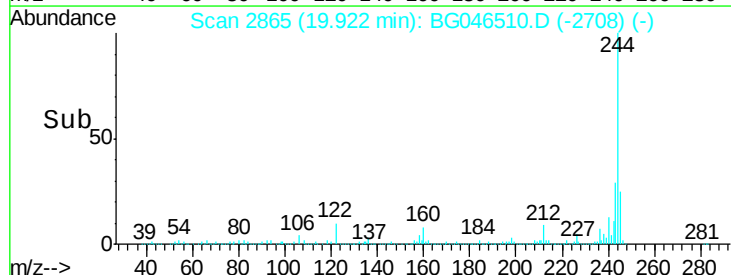
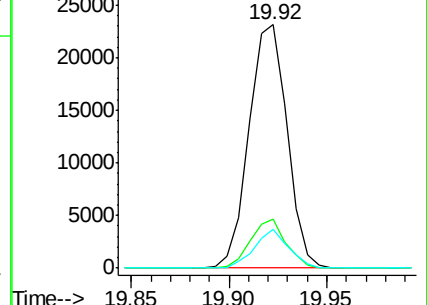
183 16.0 10.7 16.1

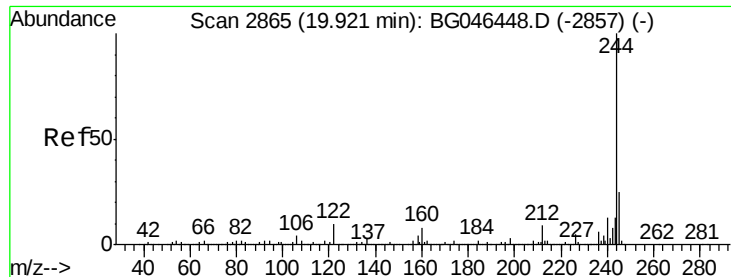


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 77.445 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046510.D

Acq: 2 Sep 2020 19:33

Instrument :

BNA_G

ClientSampleId :

789UMR-DSP01-02

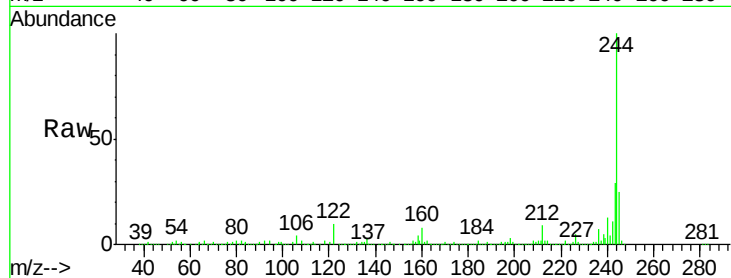
Tot Ion:244 Resp: 1948520

Ion Ratio Lower Upper

244 100

212 9.2 6.9 10.3

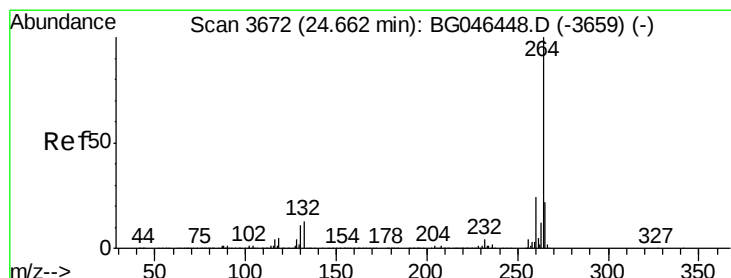
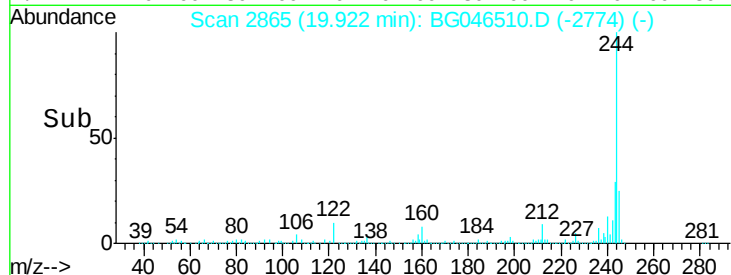
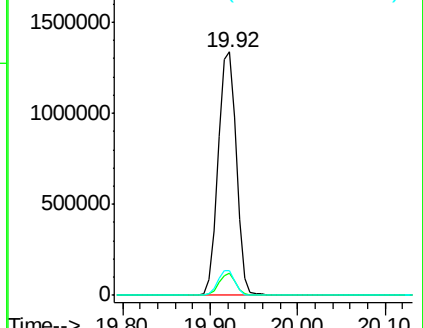
122 10.0 8.2 12.4



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: 24.65 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BG046510.D

Acq: 2 Sep 2020 19:33

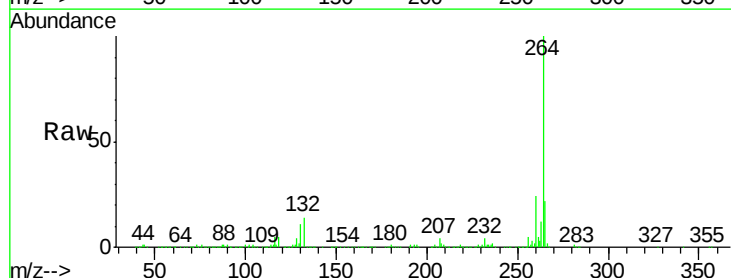
Tgt Ion:264 Resp: 540119

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.1 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

