

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\
 Data File : BG046132.D
 Acq On : 31 Jul 2020 19:29
 Operator : CG/JU
 Sample : L3405-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0437-MODIFIED-ELUTRIATE

Quant Time: Jul 31 23:40:25 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

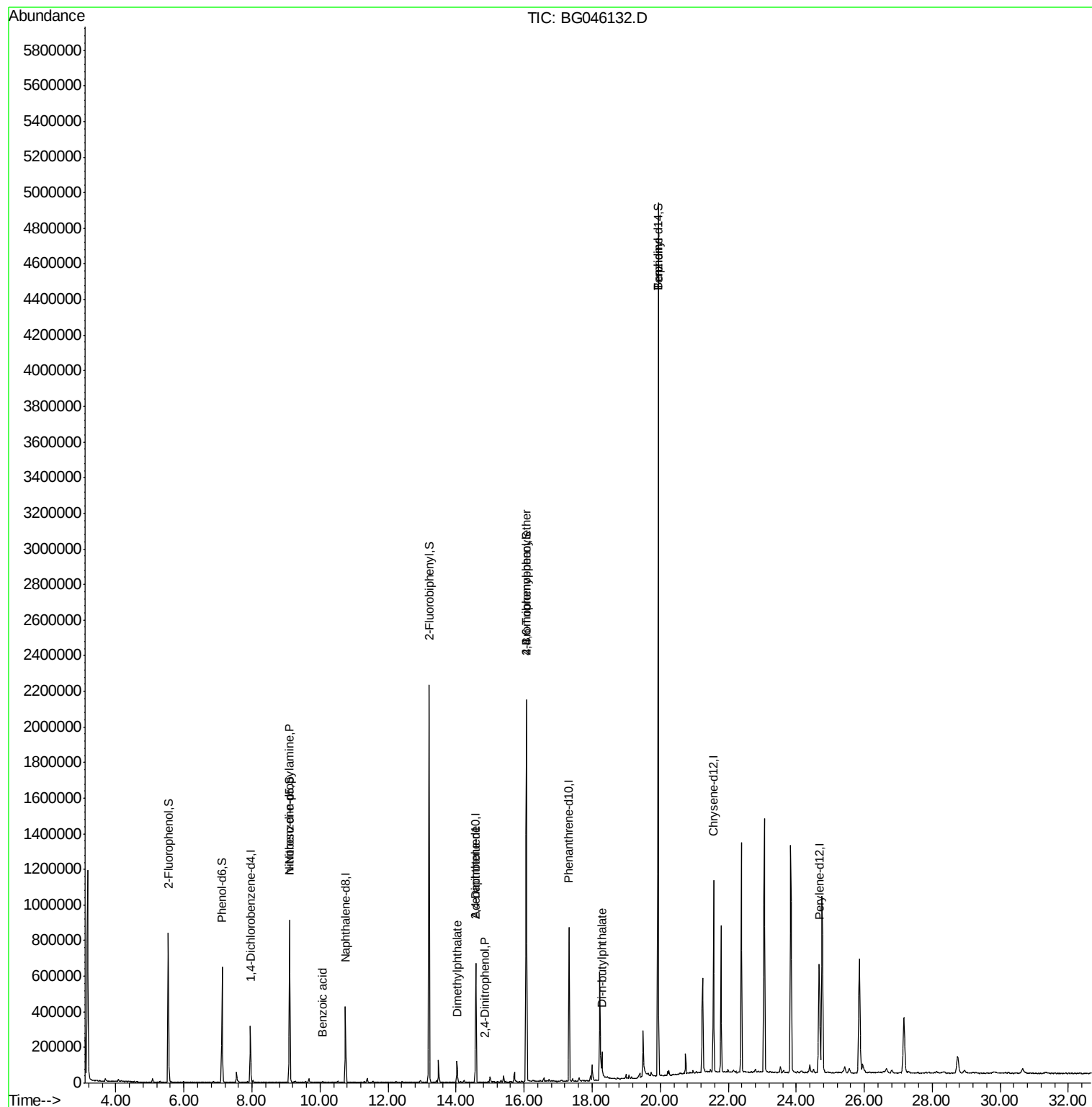
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	95967	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	366345	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	229526	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	536959	20.00	ng	0.00
76) Chrysene-d12	21.57	240	626256	20.00	ng	0.00
86) Perylene-d12	24.67	264	643906	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	377201	68.33	ng	0.00
7) Phenol-d6	7.12	99	374849	49.82	ng	0.00
23) Nitrobenzene-d5	9.10	82	555820	82.15	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	448966	127.35	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	1167696	73.90	ng	0.00
79) Terphenyl-d14	19.94	244	2096128	68.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	73450	15.000	ng	# 82
32) Benzoic acid	10.07	122	325	9.477	ng	# 77
50) Dimethylphthalate	14.03	163	83270	4.727	ng	# 99
54) 2,4-Dinitrophenol	14.86	184	65	7.089	ng	# 28
57) 2,4-Dinitrotoluene	14.58	165	30335	5.381	ng	# 29
67) 4-Bromophenyl-phenylether	16.07	248	28663	4.321	ng	# 1
74) Di-n-butylphthalate	18.29	149	88936	3.016	ng	# 96
77) Benzidine	19.94	184	36729	2.071	ng	# 94

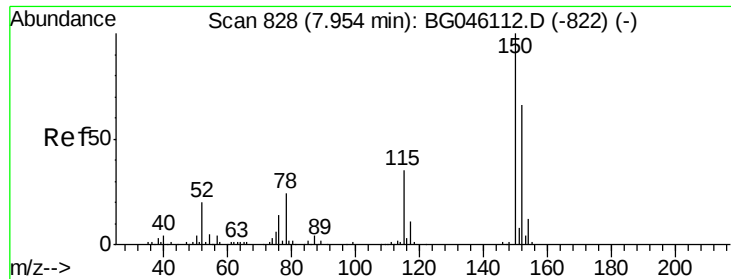
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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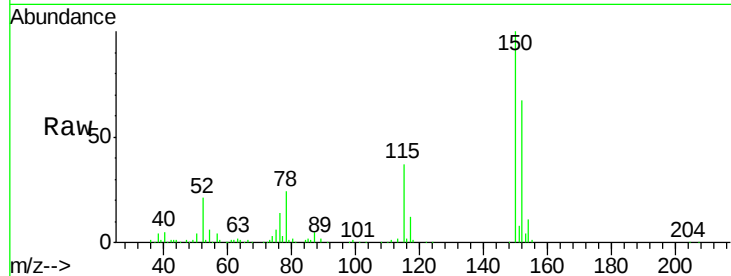


#1

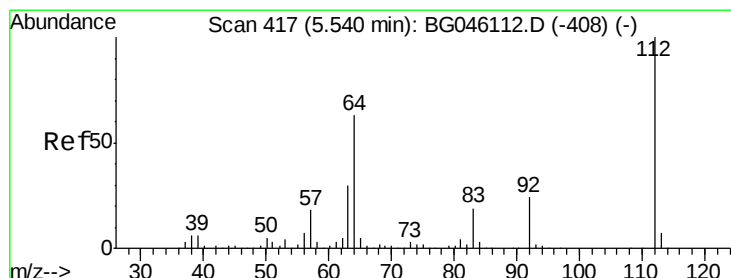
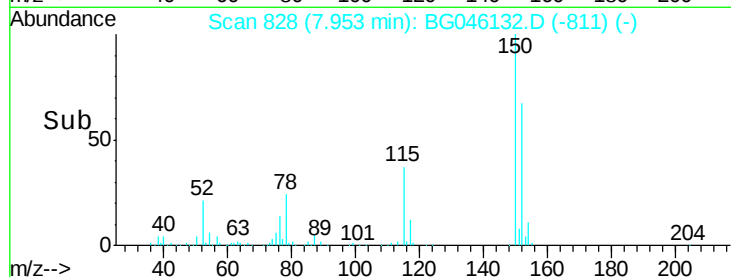
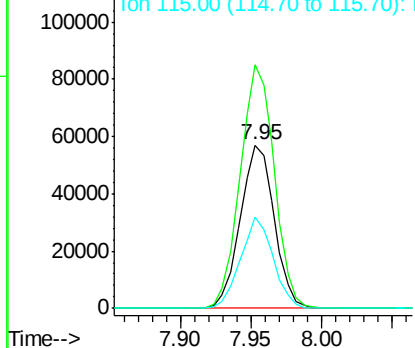
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.95 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BG046132.D
 Acq: 31 Jul 2020 19:29

Instrument :
 BNA_G
 ClientSampleId :
 0437-MODIFIED-ELUTRIATE

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.8	122.1	183.1
115	55.8	43.2	64.8



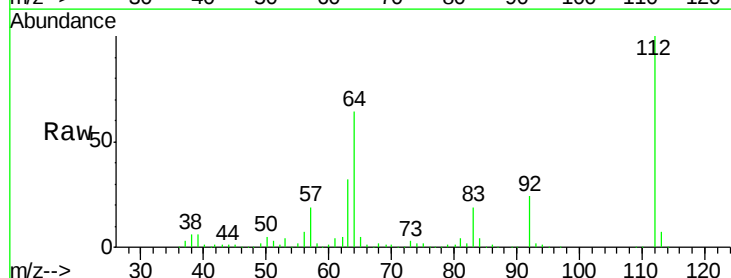
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



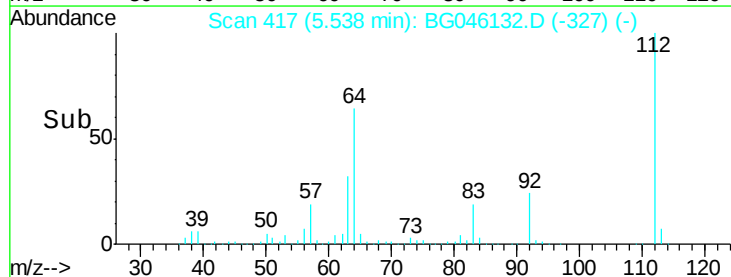
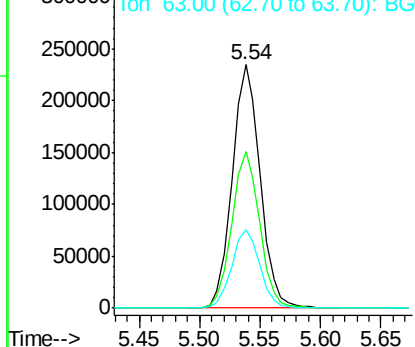
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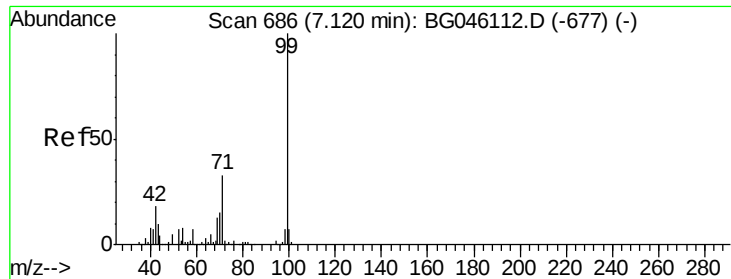
2-Fluorophenol
 Concen: 68.327 ng
 RT: 5.54 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: BG046132.D
 Acq: 31 Jul 2020 19:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	50.2	75.2
63	32.1	24.2	36.4



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





#7

Phenol-d6

Concen: 49.822 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046132.D

Acq: 31 Jul 2020 19:29

Instrument :

BNA_G

ClientSampleId :

0437-MODIFIED-ELUTRIATE

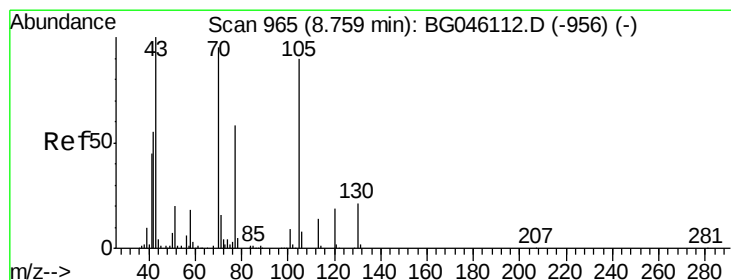
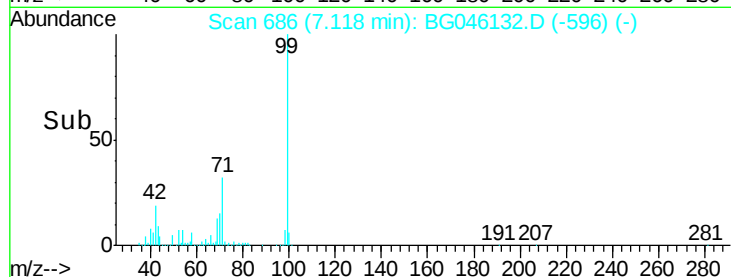
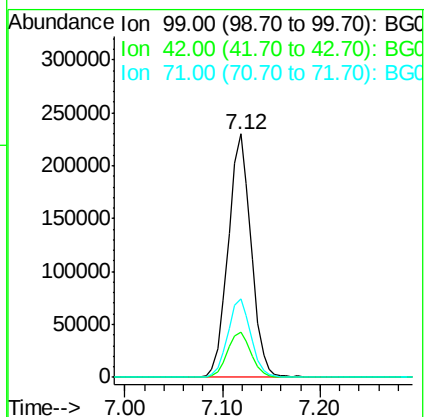
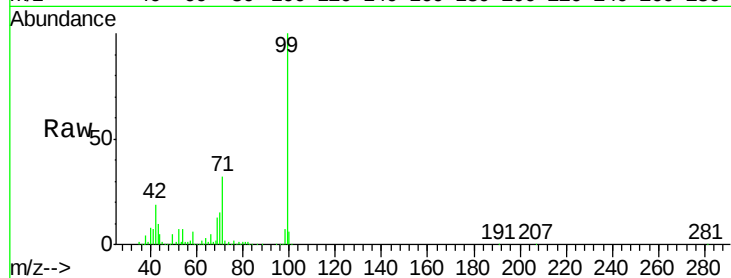
Tot Ion: 99 Resp: 374849

Ion Ratio Lower Upper

99 100

42 18.6 14.7 22.1

71 32.1 26.5 39.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.000 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG046132.D

Acq: 31 Jul 2020 19:29

Tgt Ion: 70 Resp: 73450

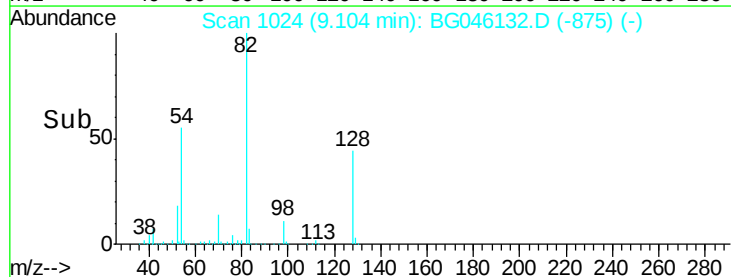
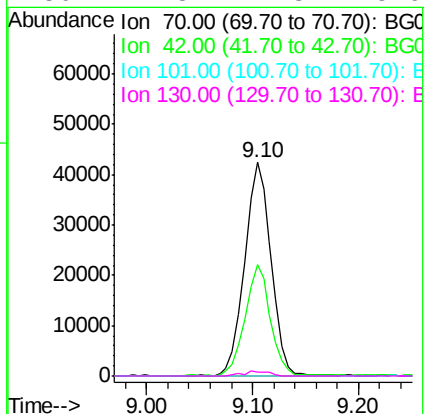
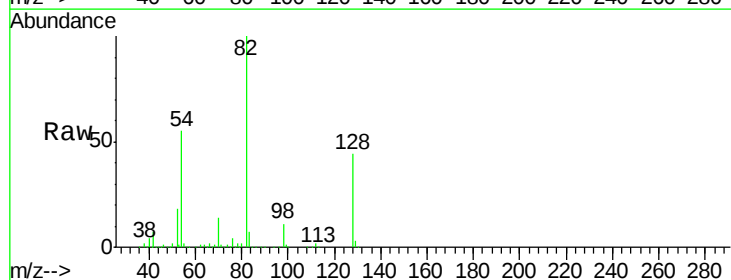
Ion Ratio Lower Upper

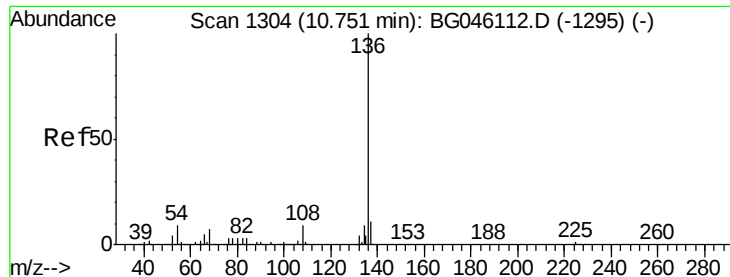
70 100

42 51.9 46.5 69.7

101 0.0 7.6 11.4#

130 1.8 17.3 25.9#

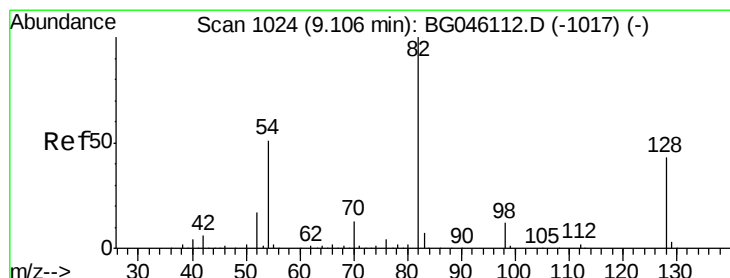
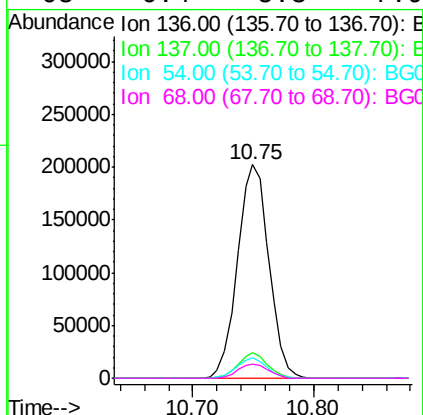
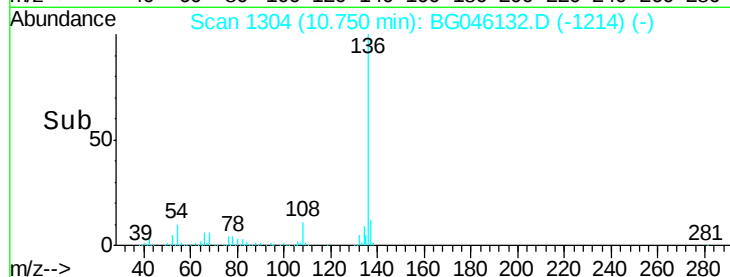
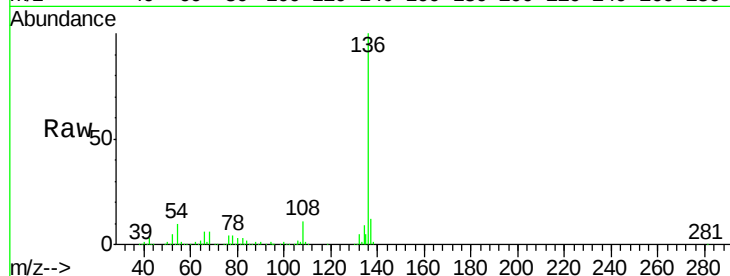




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BG046132.D
Acq: 31 Jul 2020 19:29

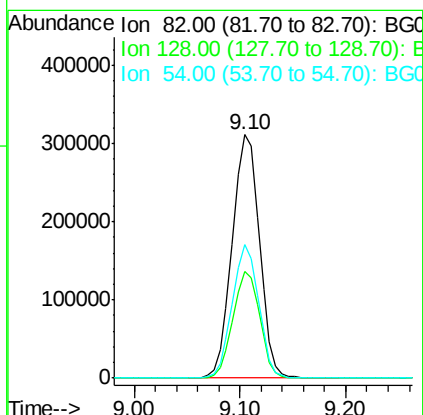
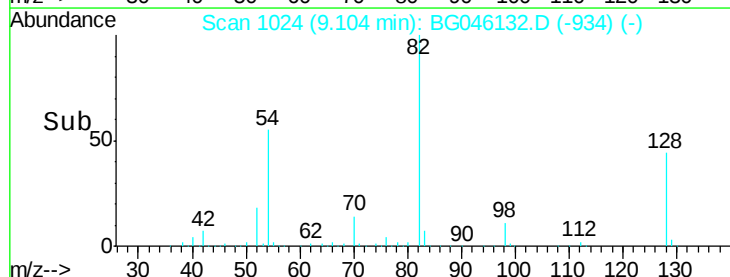
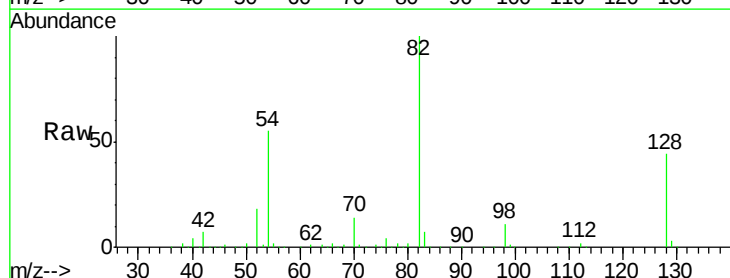
Instrument :
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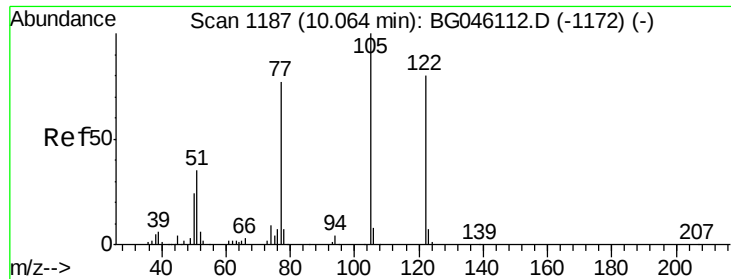
Tot Ion:136	Resp:	366345
Ion	Ratio	Lower Upper
136	100	
137	11.8	8.8 13.2
54	9.5	7.0 10.4
68	6.4	5.3 7.9



#23
Nitrobenzene-d5
Concen: 82.146 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG046132.D
Acq: 31 Jul 2020 19:29

Tgt Ion: 82	Resp:	555820
Ion	Ratio	Lower Upper
82	100	
128	43.7	34.4 51.6
54	54.8	40.8 61.2





#32

Benzoic acid

Concen: 9.477 ng

RT: 10.07 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BG046132.D

Acq: 31 Jul 2020 19:29

Instrument :

BNA_G

ClientSampleId :

0437-MODIFIED-ELUTRIATE

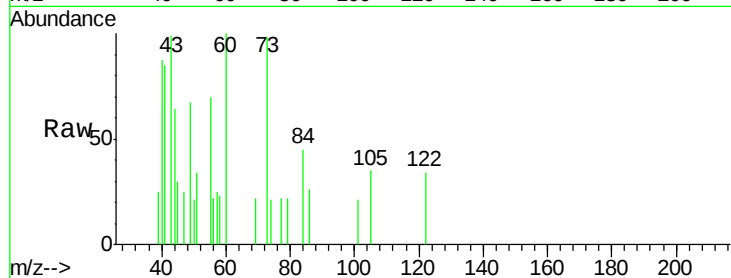
Tot Ion:122 Resp: 325

Ion Ratio Lower Upper

122 100

105 103.8 103.0 143.0

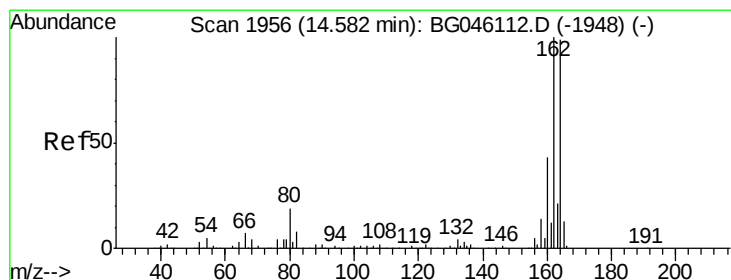
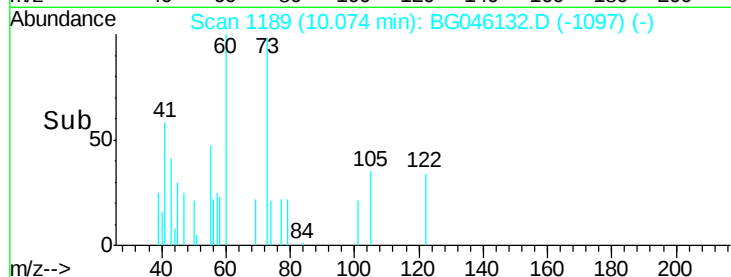
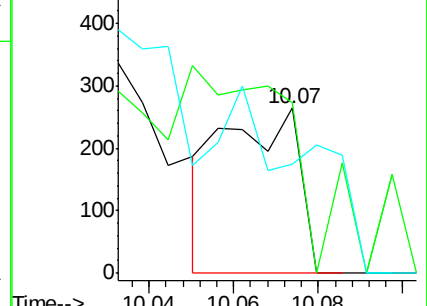
77 65.9 75.2 115.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.00 min

Lab File: BG046132.D

Acq: 31 Jul 2020 19:29

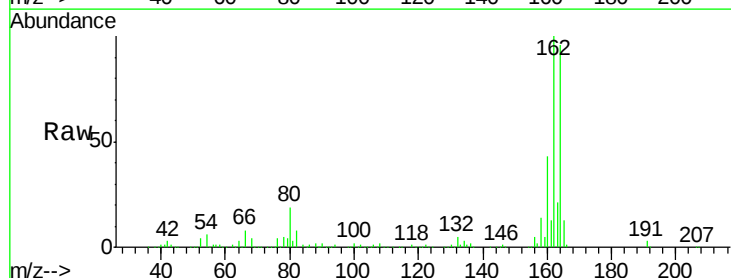
Tgt Ion:164 Resp: 229526

Ion Ratio Lower Upper

164 100

162 104.3 80.6 121.0

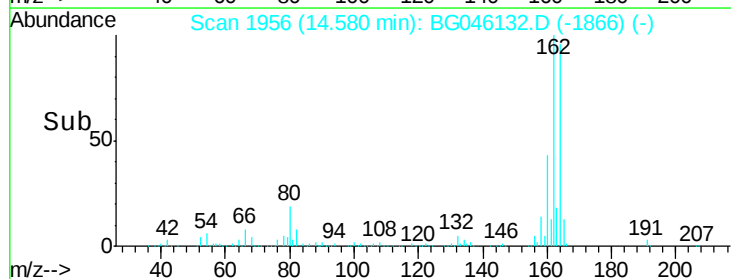
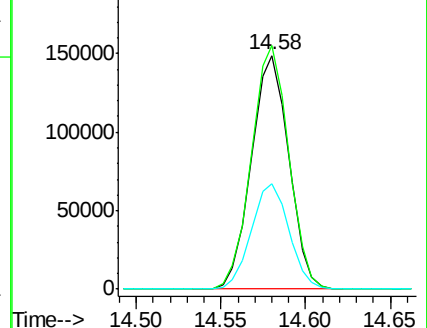
160 45.1 34.9 52.3

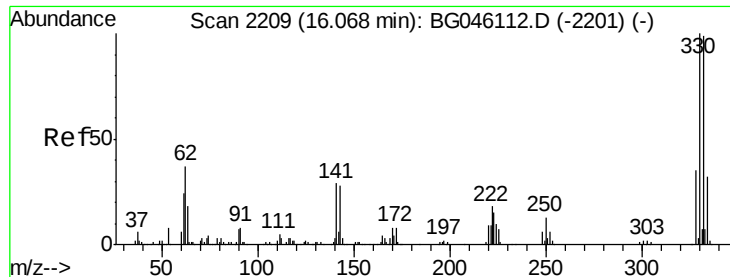


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 127.349 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BG046132.D

Acq: 31 Jul 2020 19:29

Instrument :

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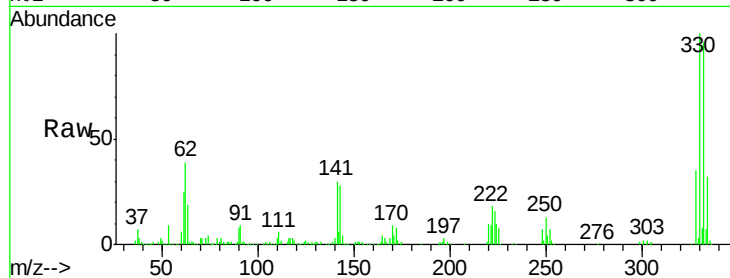
Tot Ion:330 Resp: 448966

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

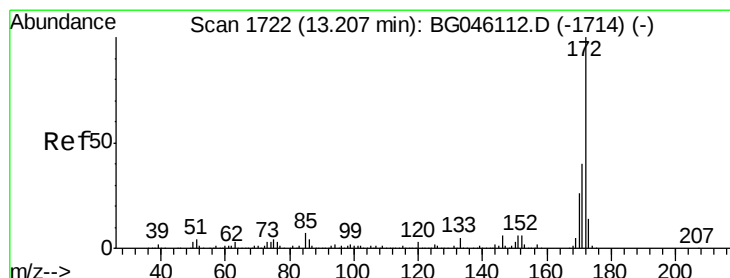
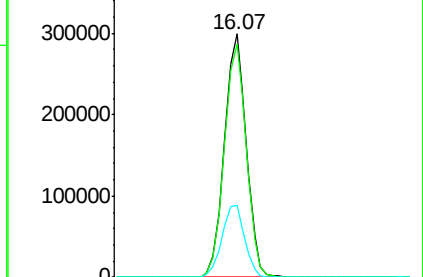
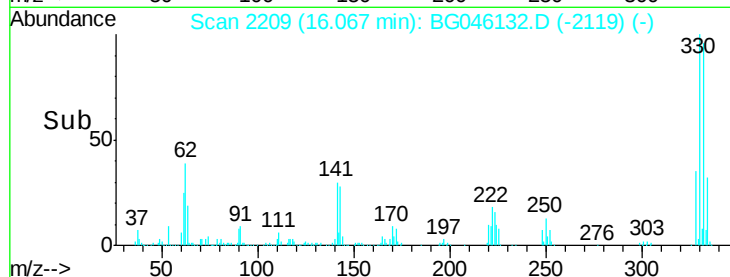
141 30.7 23.4 35.0



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: 73.901 ng

RT: 13.21 min Scan# 1722

Delta R.T. -0.00 min

Lab File: BG046132.D

Acq: 31 Jul 2020 19:29

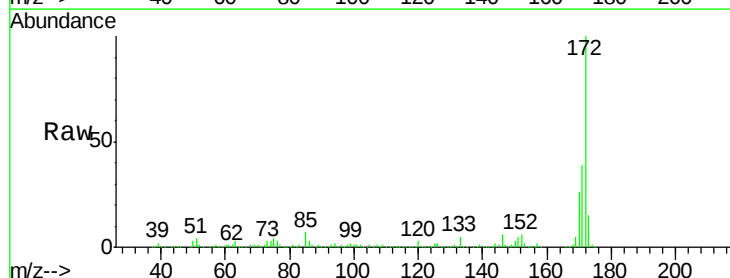
Tgt Ion:172 Resp: 1167696

Ion Ratio Lower Upper

172 100

171 39.5 31.7 47.5

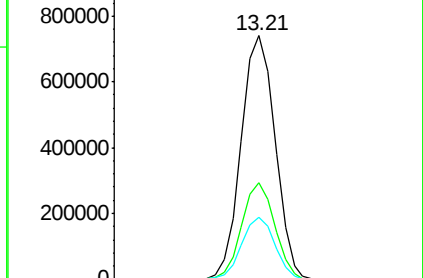
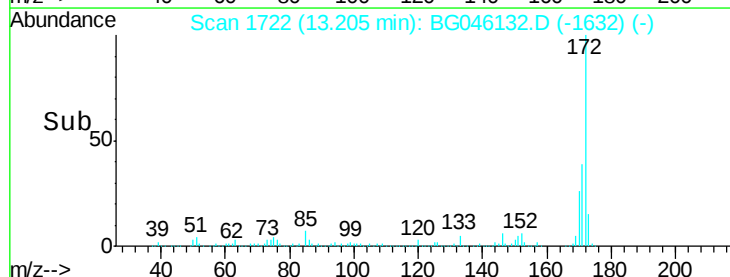
170 25.6 20.9 31.3

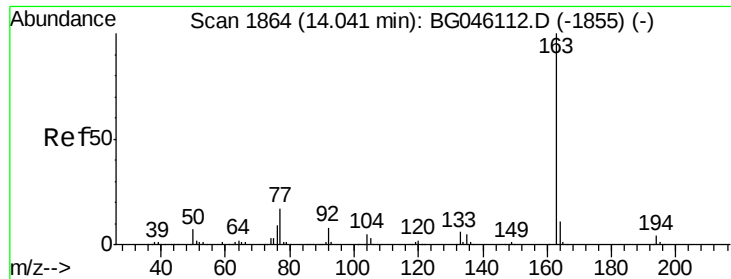


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

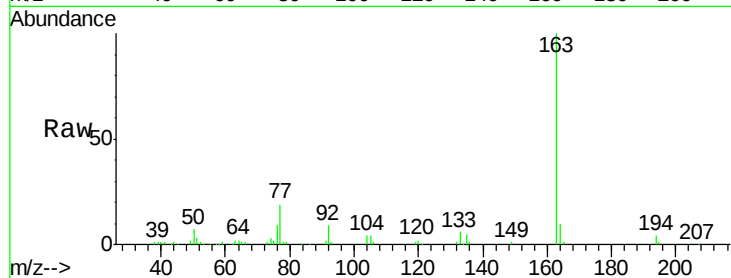




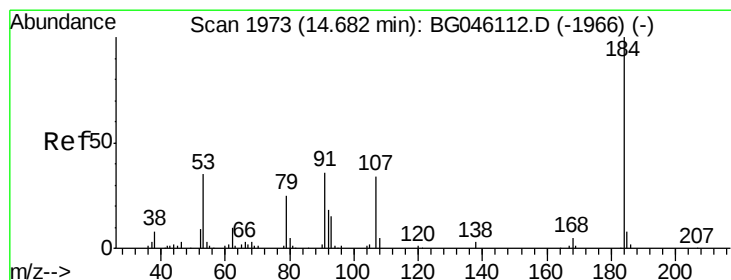
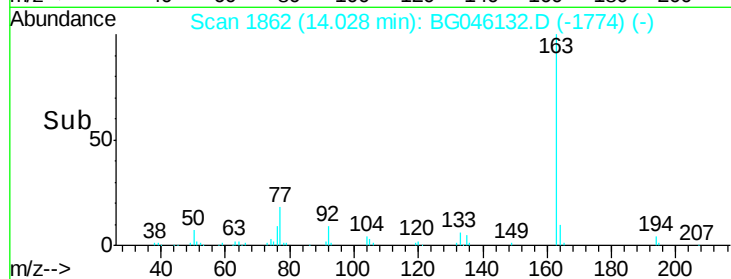
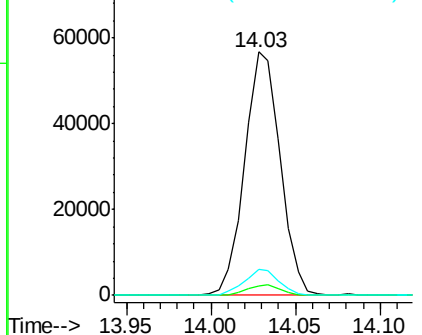
#50
Dimethylphthalate
Concen: 4.727 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BG046132.D
Acq: 31 Jul 2020 19:29

Instrument :
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0437-MODIFIED-ELUTRIATE

Tot Ion:163 Resp: 83270
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 10.5 8.8 13.2

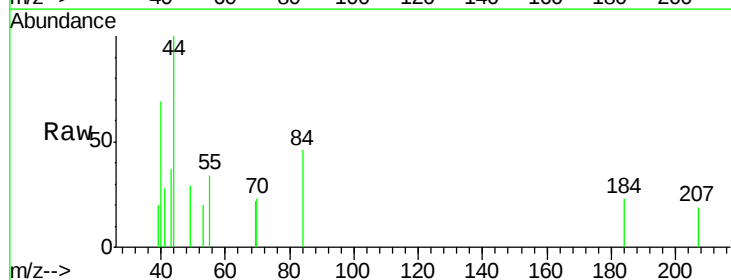


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

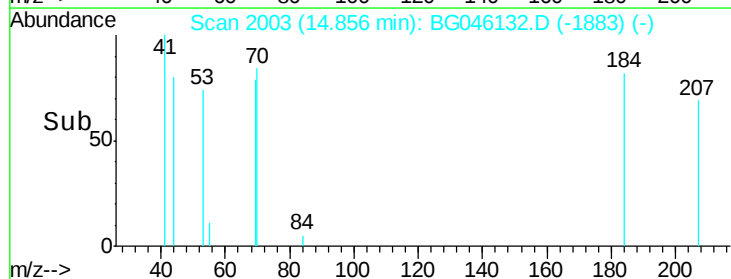
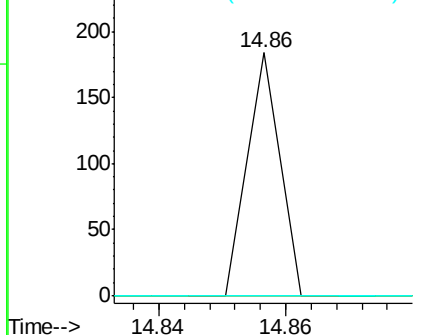


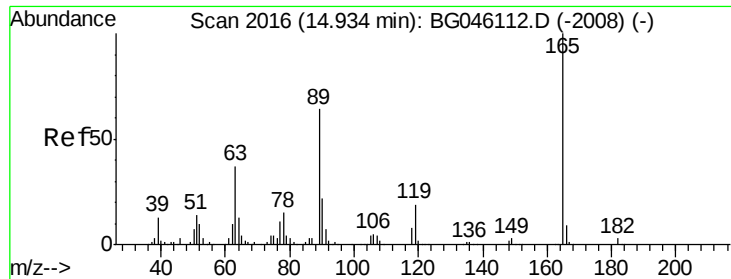
#54
2,4-Dinitrophenol
Concen: 7.089 ng
RT: 14.86 min Scan# 2003
Delta R.T. 0.18 min
Lab File: BG046132.D
Acq: 31 Jul 2020 19:29

Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 36.7 55.1#
154 0.0 41.3 61.9#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

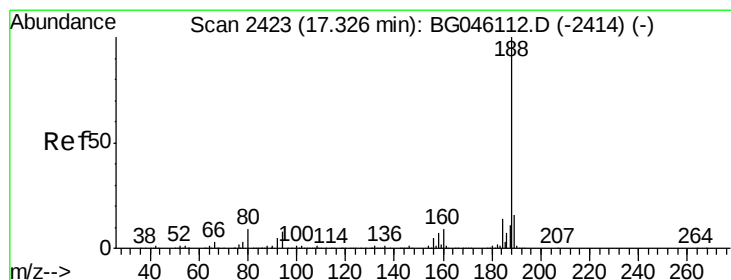
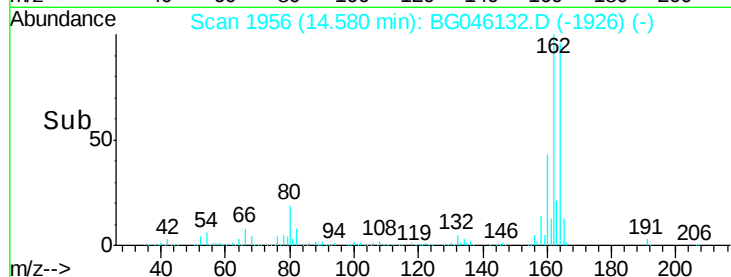
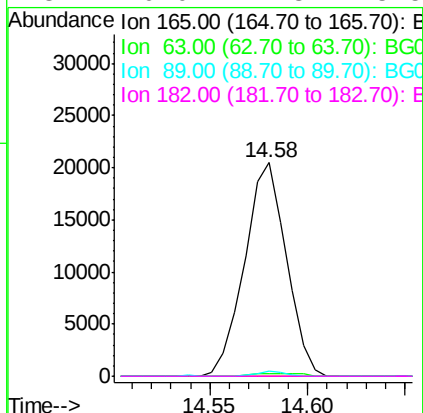
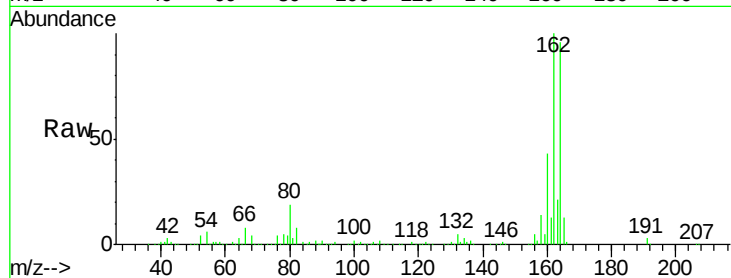




#57
 2,4-Dinitrotoluene
 Concen: 5.381 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.35 min
 Lab File: BG046132.D
 Acq: 31 Jul 2020 19:29

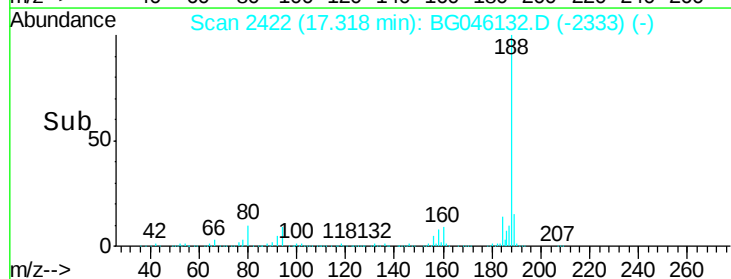
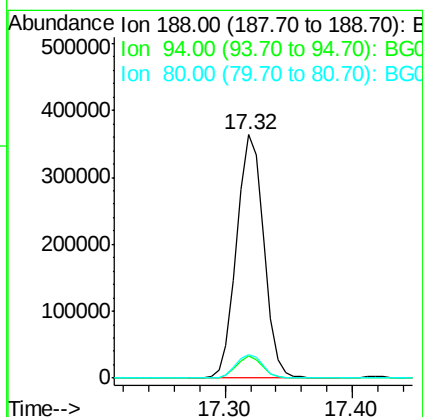
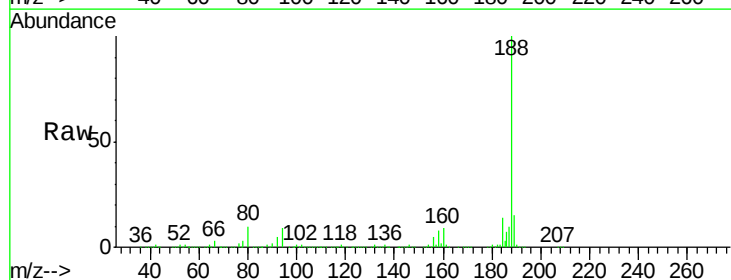
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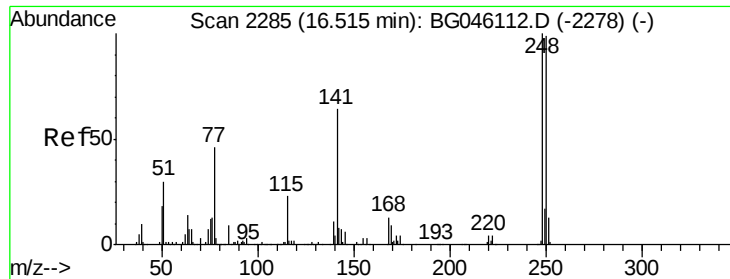
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	30.1	45.1#
89	2.3	51.4	77.2#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG046132.D
 Acq: 31 Jul 2020 19:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.4	9.6
80	9.9	7.4	11.0

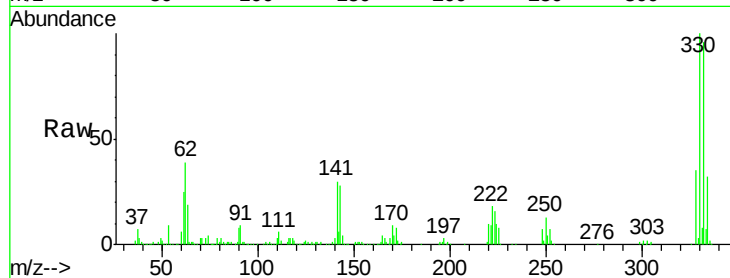




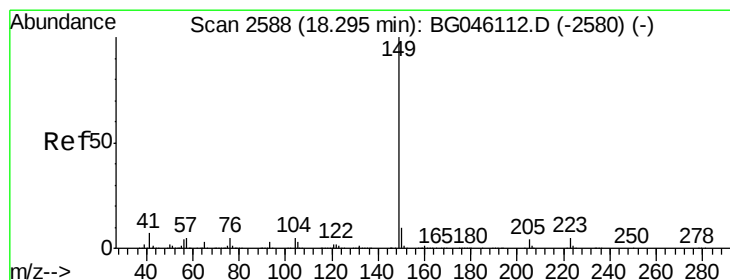
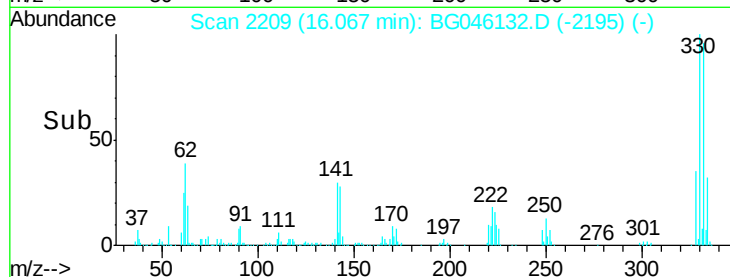
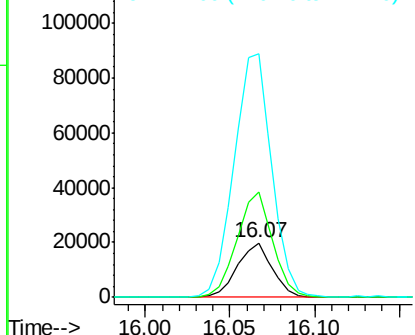
#67
 4-Bromophenyl-phenylether
 Concen: 4.321 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.45 min
 Lab File: BG046132.D
 Acq: 31 Jul 2020 19:29

Instrument :
 BNA_G
 ClientSampleId :
 0437-MODIFIED-ELUTRIATE

Tot Ion:248 Resp: 28663
 Ion Ratio Lower Upper
 248 100
 250 194.6 79.4 119.0#
 141 448.6 50.9 76.3#

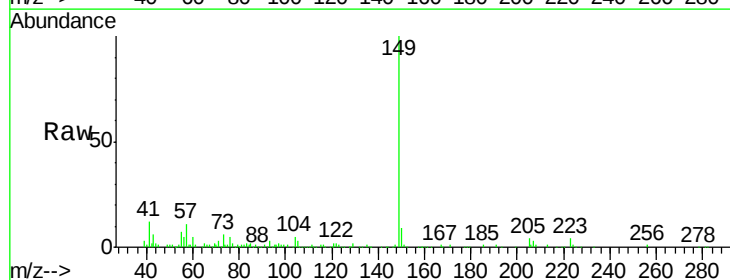


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

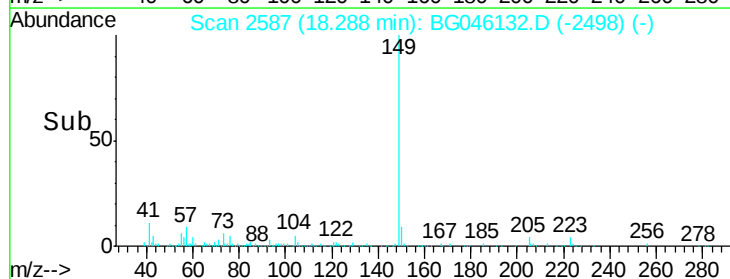
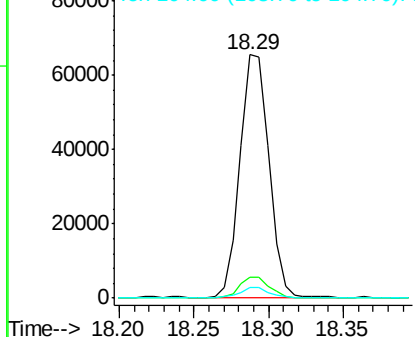


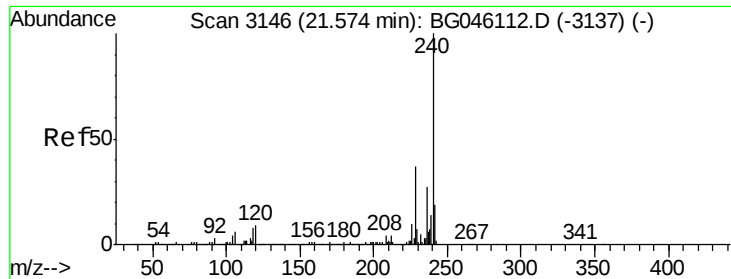
#74
 Di-n-butylphthalate
 Concen: 3.016 ng
 RT: 18.29 min Scan# 2587
 Delta R.T. -0.01 min
 Lab File: BG046132.D
 Acq: 31 Jul 2020 19:29

Tgt Ion:149 Resp: 88936
 Ion Ratio Lower Upper
 149 100
 150 8.7 8.4 12.6
 104 4.5 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG046132.D

Acq: 31 Jul 2020 19:29

Instrument :

BNA_G

ClientSampleId :

0437-MODIFIED-ELUTRIATE

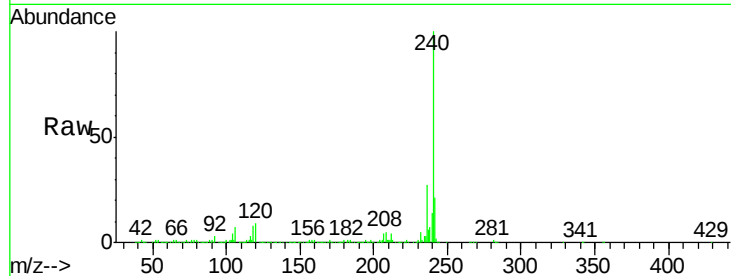
Tot Ion:240 Resp: 626256

Ion Ratio Lower Upper

240 100

120 9.0 7.1 10.7

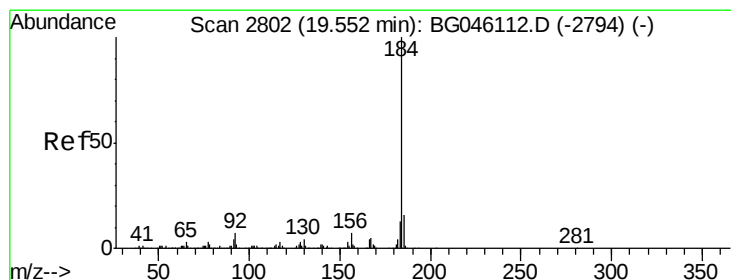
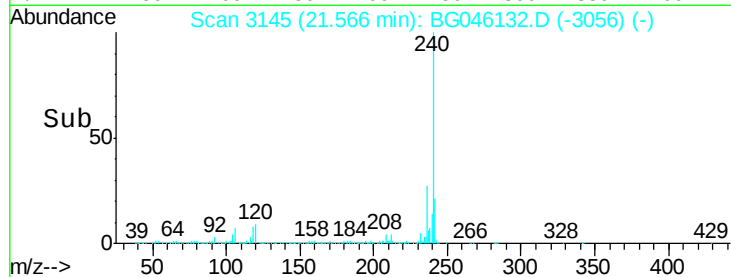
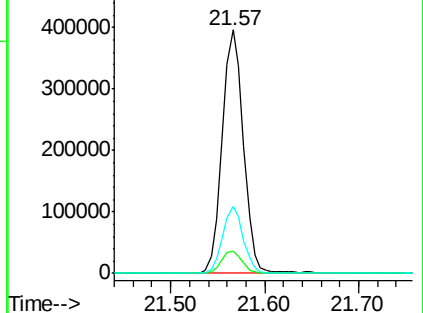
236 27.5 21.7 32.5



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: 2.071 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.39 min

Lab File: BG046132.D

Acq: 31 Jul 2020 19:29

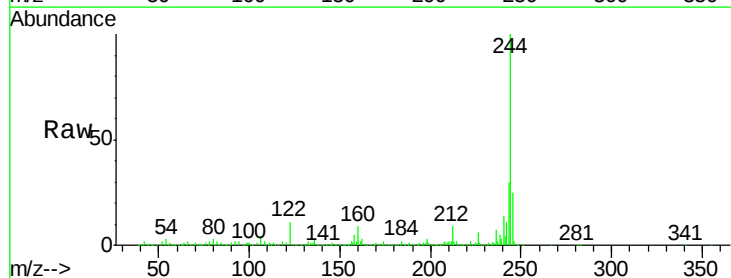
Tgt Ion:184 Resp: 36729

Ion Ratio Lower Upper

184 100

185 17.1 13.0 19.4

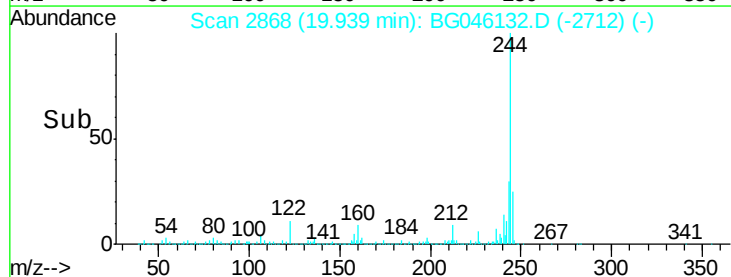
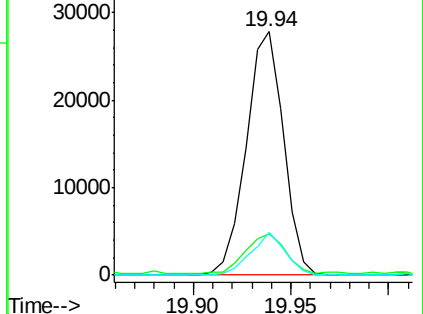
183 17.5 10.5 15.7#

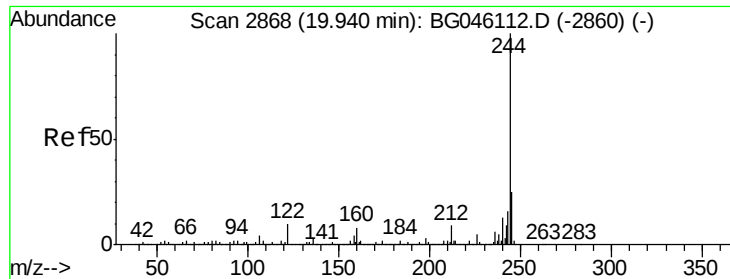


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 68.168 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BG046132.D

Acq: 31 Jul 2020 19:29

Instrument :

BNA_G

ClientSampleId :

0437-MODIFIED-ELUTRIATE

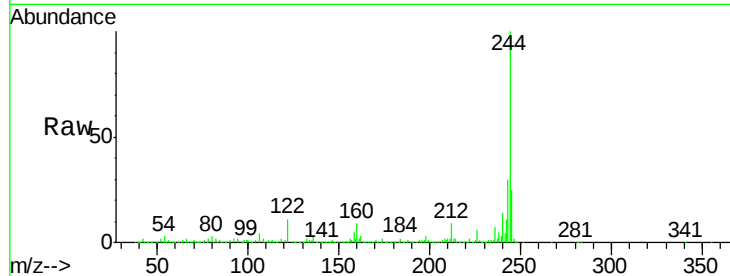
Tot Ion:244 Resp: 2096128

Ion Ratio Lower Upper

244 100

212 9.3 7.2 10.8

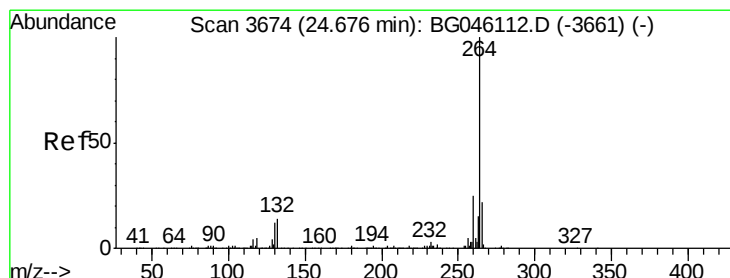
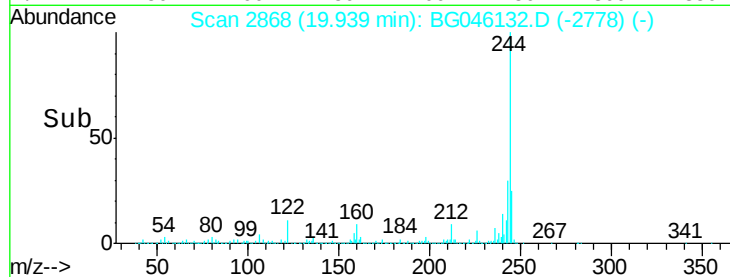
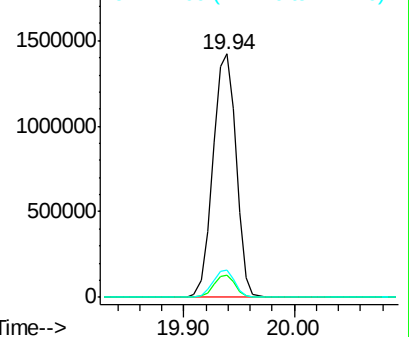
122 11.2 8.3 12.5



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

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG046132.D

Acq: 31 Jul 2020 19:29

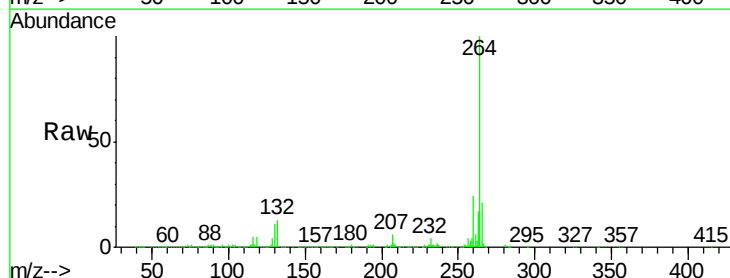
Tgt Ion:264 Resp: 643906

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

265 20.8 17.6 26.4



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

