

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\
 Data File : BG046131.D
 Acq On : 31 Jul 2020 18:48
 Operator : CG/JU
 Sample : L3405-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0437-MODIFIED-ELUTRIATE

Quant Time: Jul 31 23:39:13 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

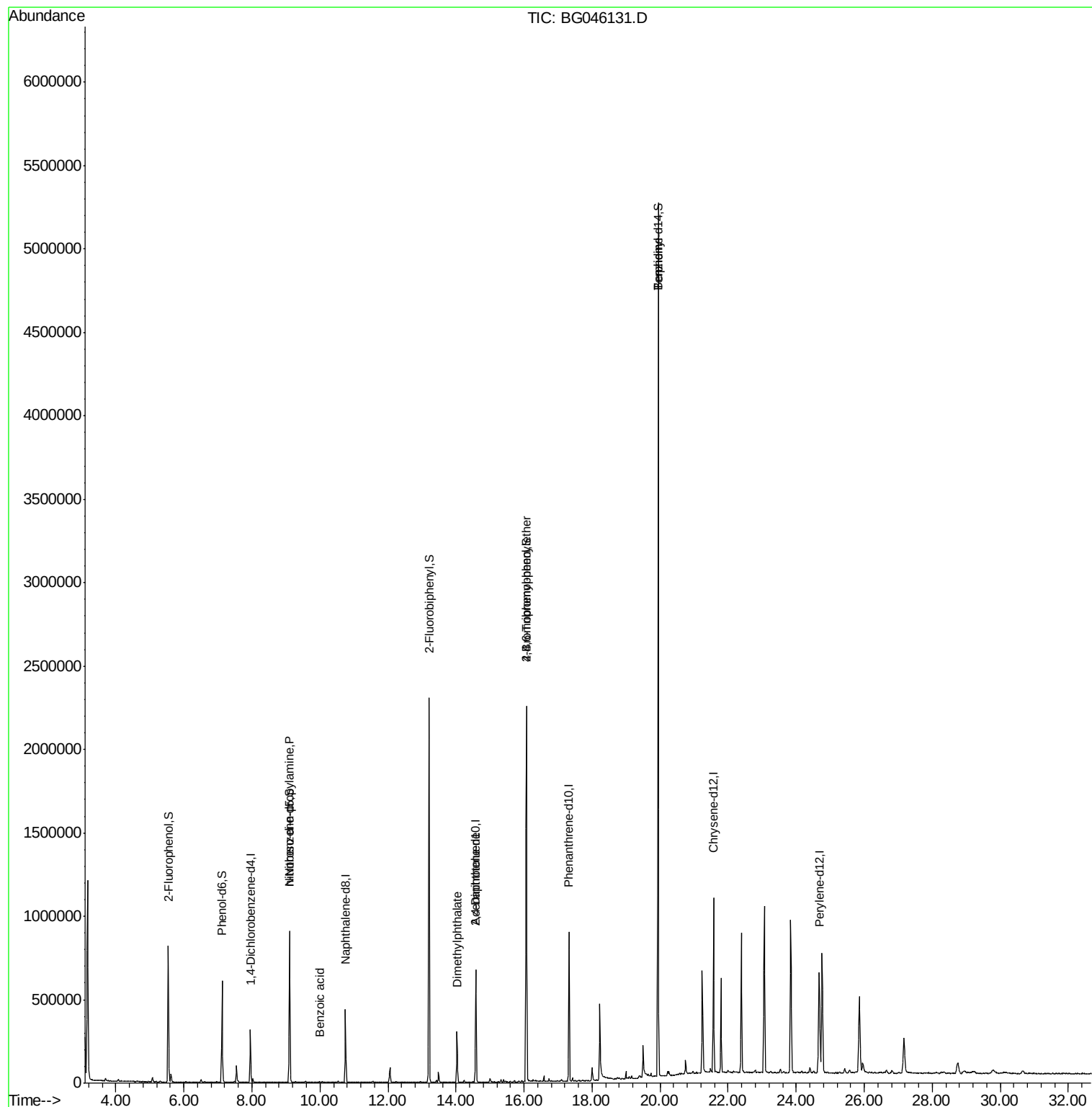
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	95748	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	375432	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	237764	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	546884	20.00	ng	0.00
76) Chrysene-d12	21.57	240	636245	20.00	ng	0.00
86) Perylene-d12	24.68	264	634961	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	368387	66.88	ng	0.00
7) Phenol-d6	7.12	99	364755	48.59	ng	0.00
23) Nitrobenzene-d5	9.11	82	567635	81.86	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	473947	129.78	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	1202708	73.48	ng	0.00
79) Terphenyl-d14	19.94	244	2139758	68.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	73595	15.064	ng	Qvalue # 80
32) Benzoic acid	9.99	122	721	9.555	ng	92
50) Dimethylphthalate	14.03	163	207988	11.397	ng	99
57) 2,4-Dinitrotoluene	14.58	165	30969	5.303	ng	# 29
67) 4-Bromophenyl-phenylether	16.07	248	30429	4.504	ng	# 1
77) Benzidine	19.94	184	37820	2.099	ng	94

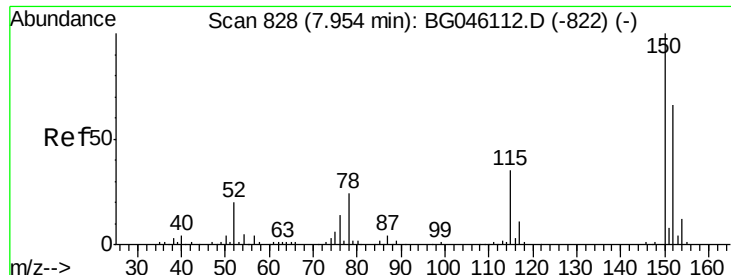
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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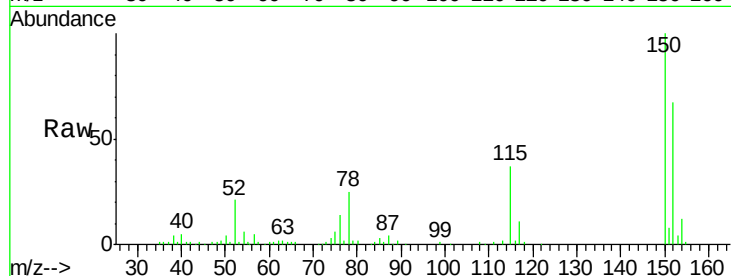


#1

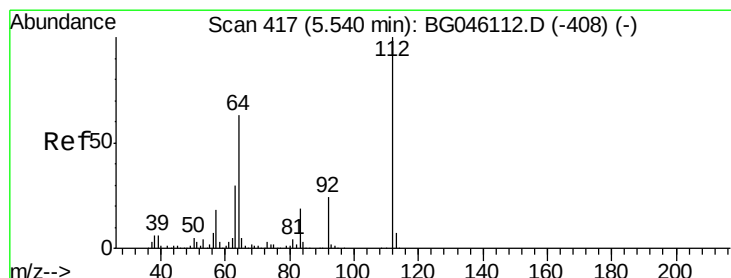
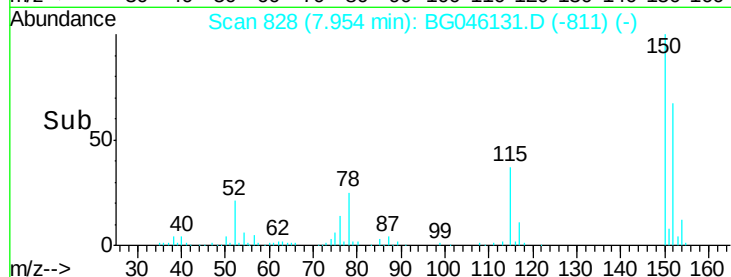
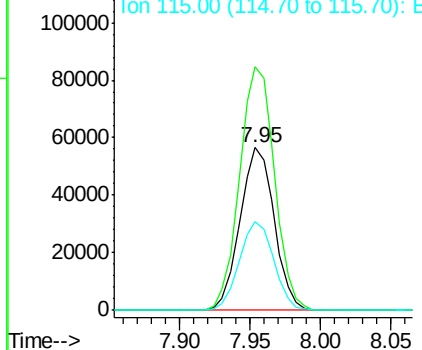
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG046131.D
Acq: 31 Jul 2020 18:48

Instrument :
BNA_G
ClientSampleId :
0437-MODIFIED-ELUTRIATE

Tot Ion:152 Resp: 95748
Ion Ratio Lower Upper
152 100
150 149.9 122.1 183.1
115 54.9 43.2 64.8



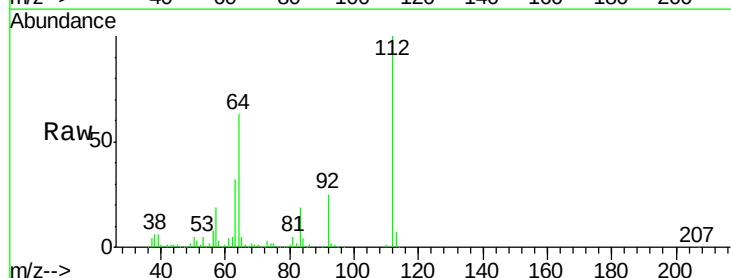
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



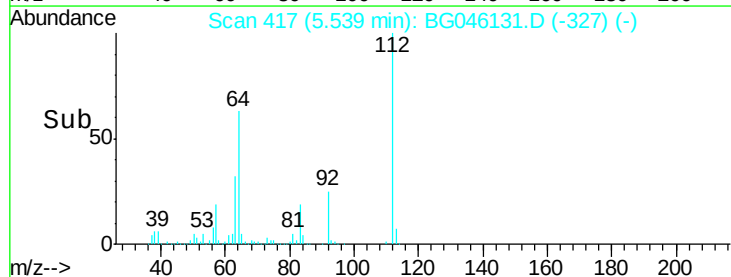
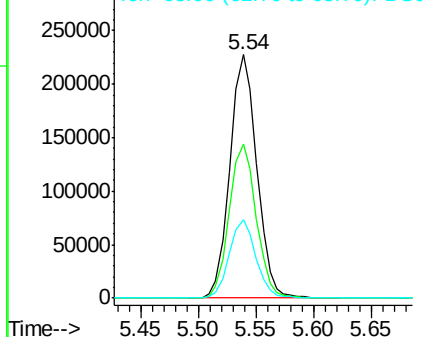
#5

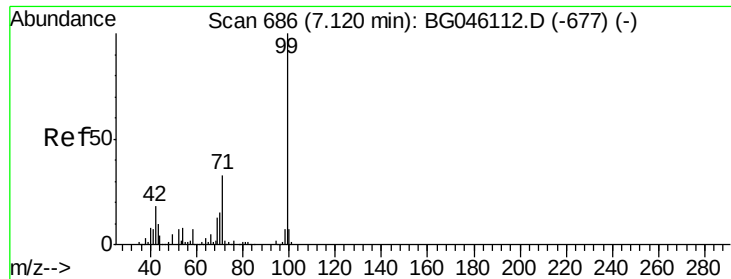
2-Fluorophenol
Concen: 66.883 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG046131.D
Acq: 31 Jul 2020 18:48

Tgt Ion:112 Resp: 368387
Ion Ratio Lower Upper
112 100
64 63.0 50.2 75.2
63 32.4 24.2 36.4



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: 48.592 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046131.D

Acq: 31 Jul 2020 18:48

Instrument :

BNA_G

ClientSampleId :

0437-MODIFIED-ELUTRIATE

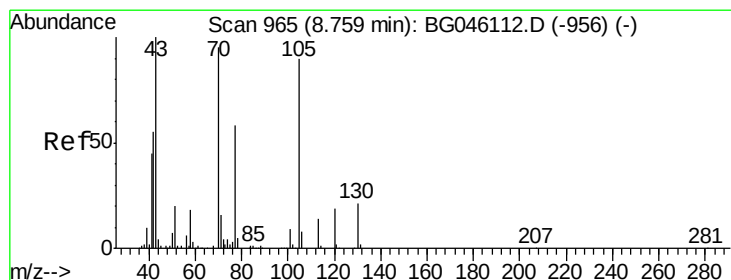
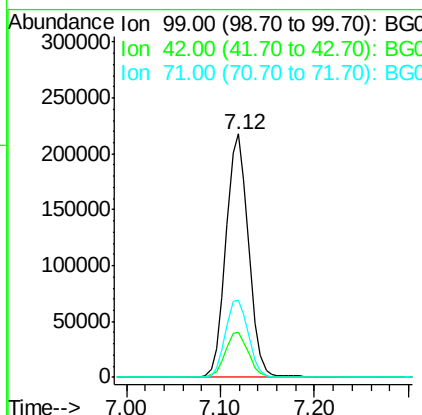
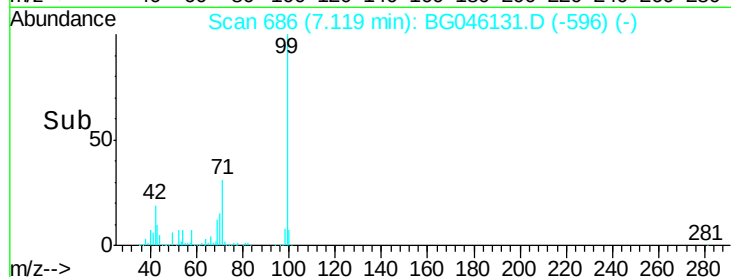
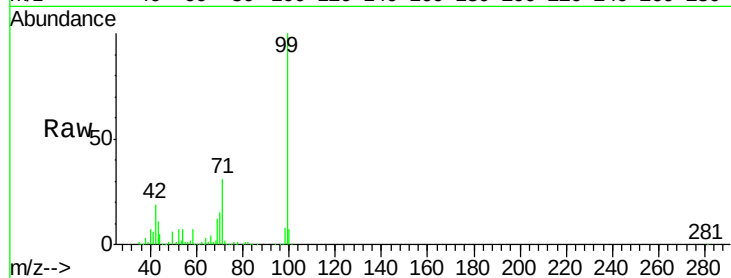
Tot Ion: 99 Resp: 364755

Ion Ratio Lower Upper

99 100

42 18.7 14.7 22.1

71 31.5 26.5 39.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.064 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG046131.D

Acq: 31 Jul 2020 18:48

Tgt Ion: 70 Resp: 73595

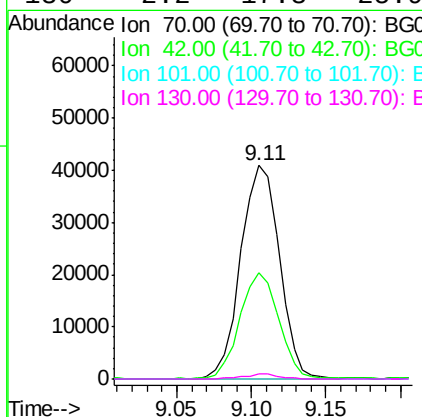
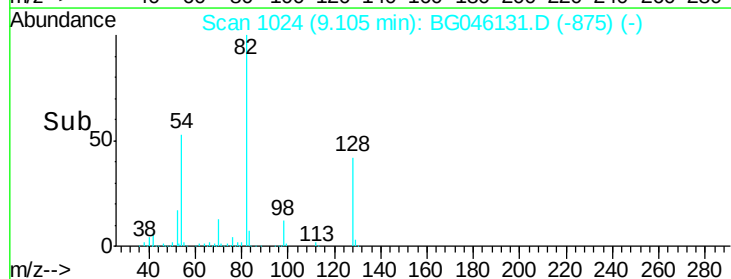
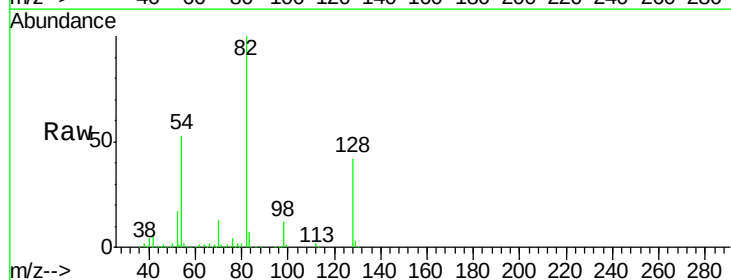
Ion Ratio Lower Upper

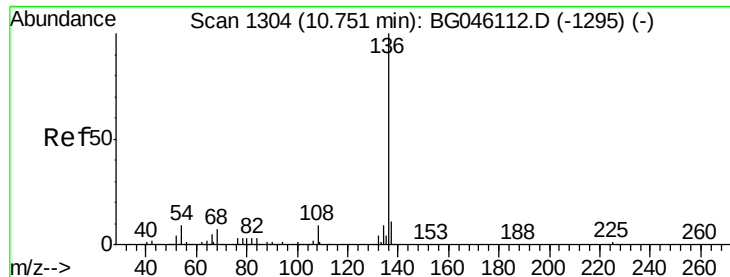
70 100

42 49.5 46.5 69.7

101 0.0 7.6 11.4#

130 2.2 17.3 25.9#

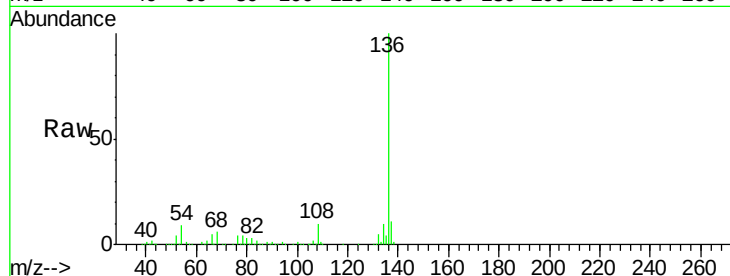




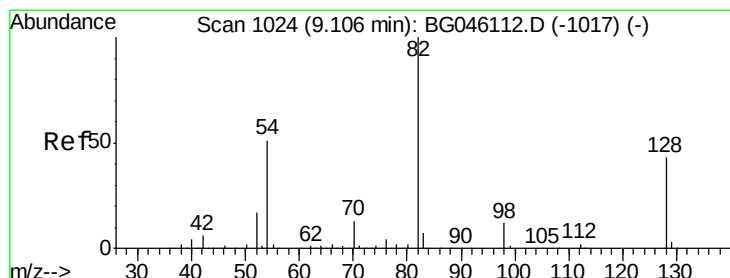
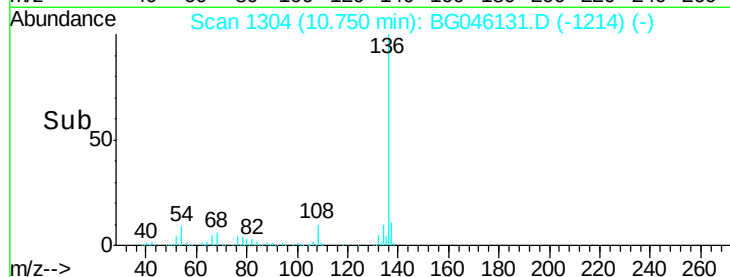
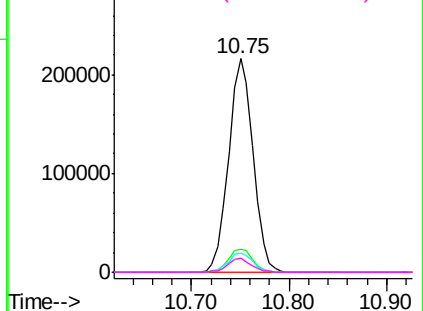
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BG046131.D
Acq: 31 Jul 2020 18:48

Instrument :
BNA_G
ClientSampleId :
0437-MODIFIED-ELUTRIATE

Tot Ion:136	Resp:	375432
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.8 13.2
54	9.0	7.0 10.4
68	6.4	5.3 7.9

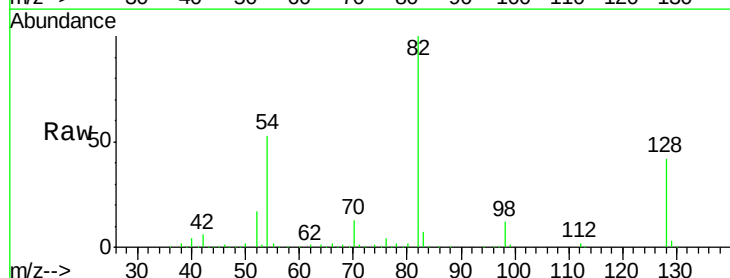


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

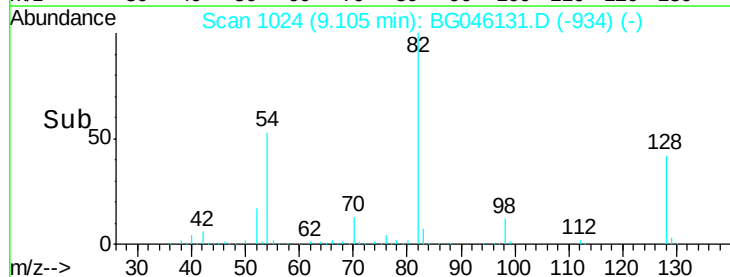
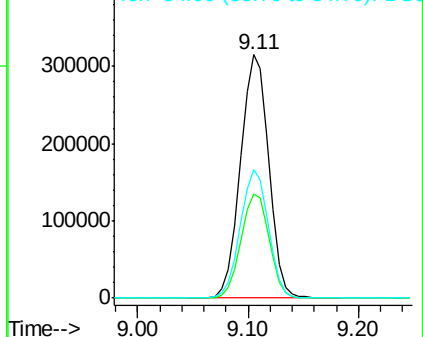


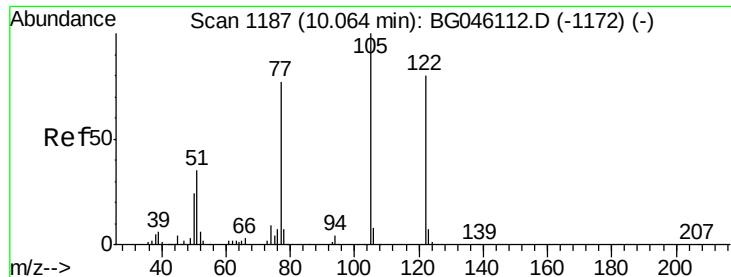
#23
Nitrobenzene-d5
Concen: 81.861 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG046131.D
Acq: 31 Jul 2020 18:48

Tgt Ion: 82	Resp:	567635
Ion	Ratio	Lower Upper
82	100	
128	42.5	34.4 51.6
54	52.5	40.8 61.2



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

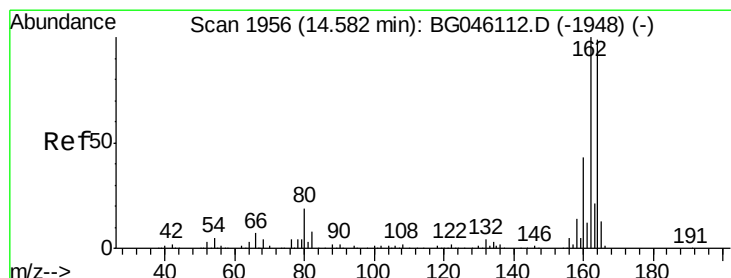
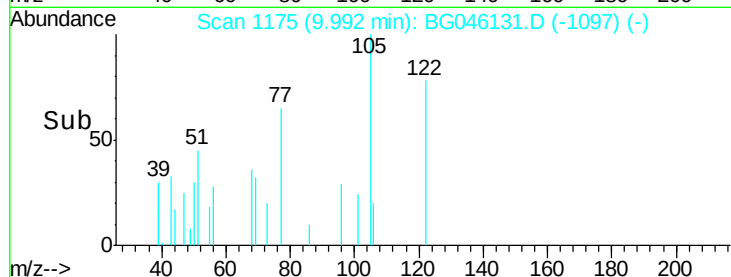
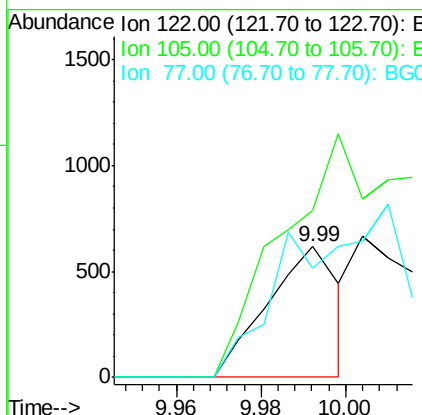
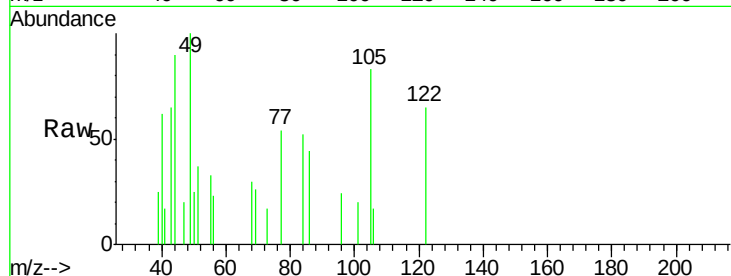




#32
Benzoic acid
Concen: 9.555 ng
RT: 9.99 min Scan# 1175
Delta R.T. -0.07 min
Lab File: BG046131.D
Acq: 31 Jul 2020 18:48

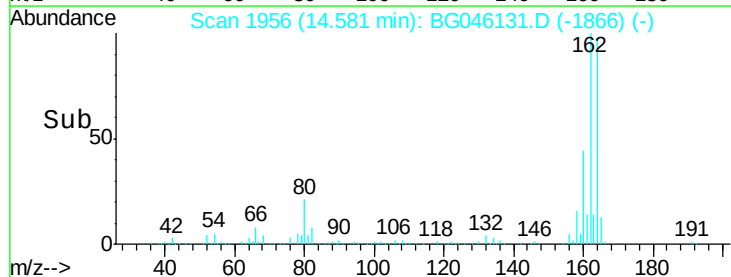
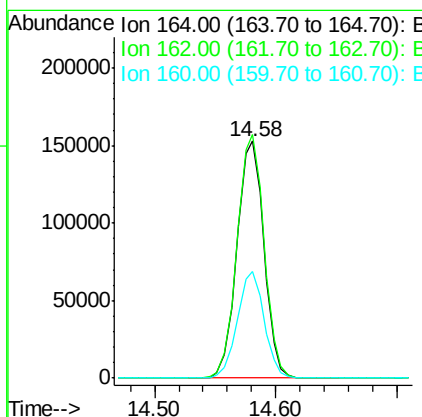
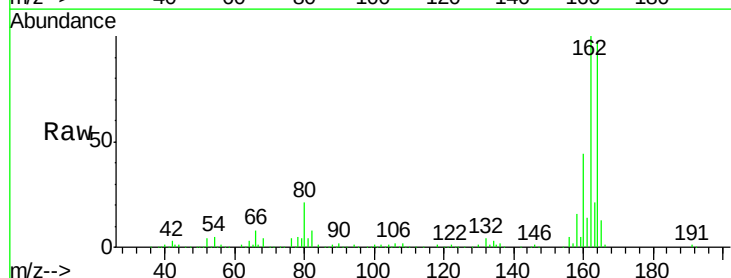
Instrument :
BNA_G
ClientSampleId :
0437-MODIFIED-ELUTRIATE

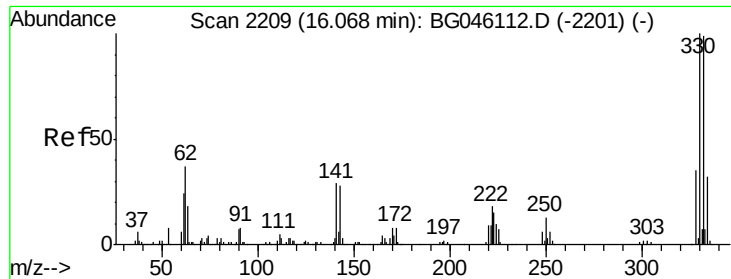
Tot Ion:122 Resp: 721
Ion Ratio Lower Upper
122 100
105 127.8 103.0 143.0
77 83.6 75.2 115.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.00 min
Lab File: BG046131.D
Acq: 31 Jul 2020 18:48

Tgt Ion:164 Resp: 237764
Ion Ratio Lower Upper
164 100
162 102.8 80.6 121.0
160 44.9 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 129.777 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BG046131.D

Acq: 31 Jul 2020 18:48

Instrument :

BNA_G

ClientSampleId :

0437-MODIFIED-ELUTRIATE

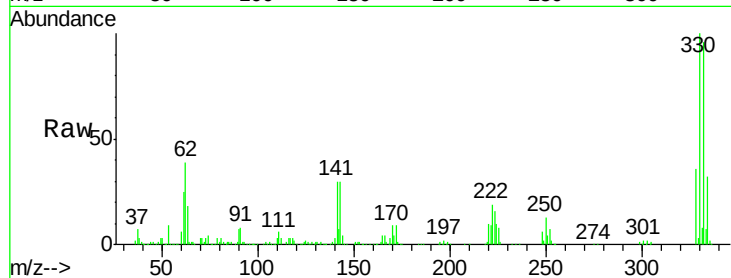
Tot Ion:330 Resp: 473947

Ion Ratio Lower Upper

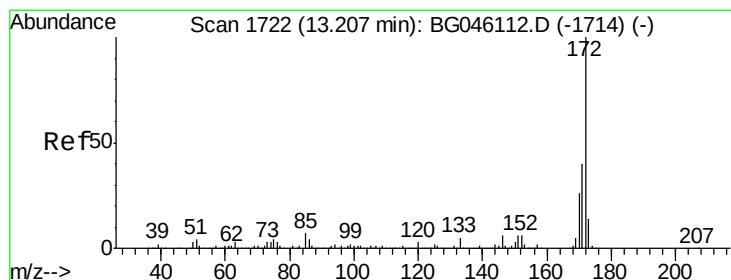
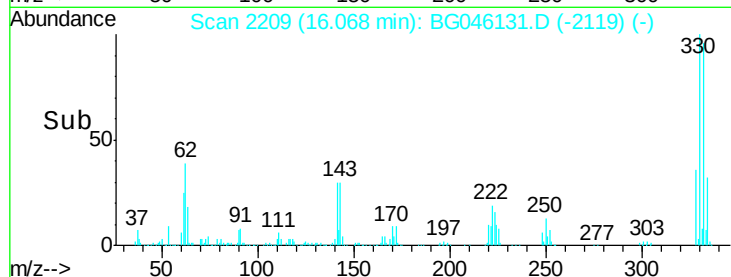
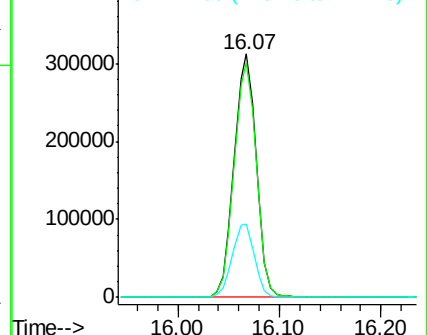
330 100

332 96.8 77.4 116.2

141 30.4 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: 73.480 ng

RT: 13.21 min Scan# 1722

Delta R.T. -0.00 min

Lab File: BG046131.D

Acq: 31 Jul 2020 18:48

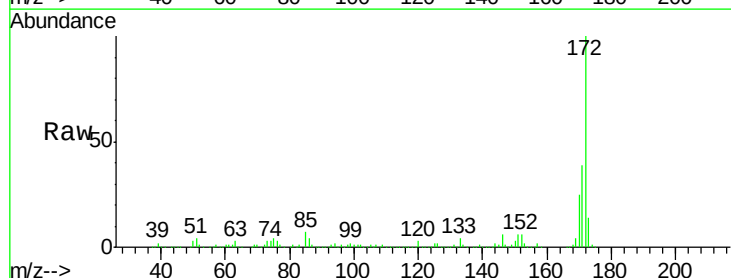
Tgt Ion:172 Resp: 1202708

Ion Ratio Lower Upper

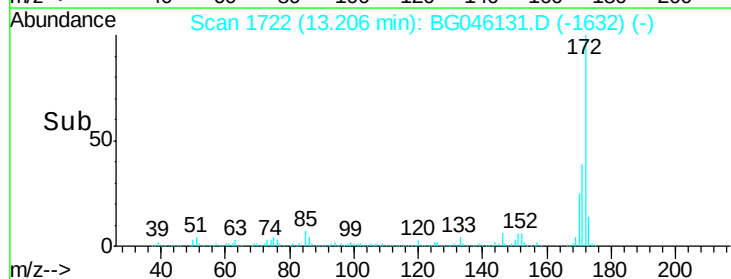
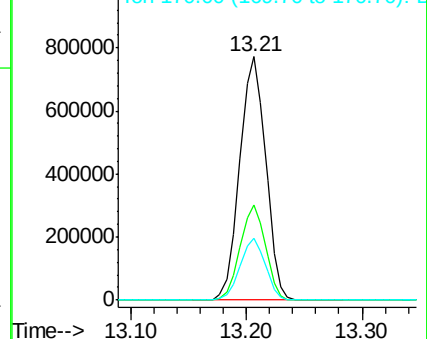
172 100

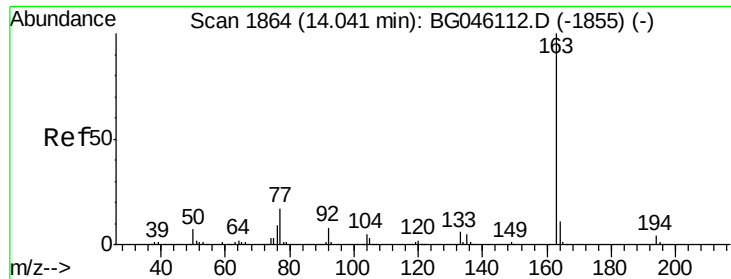
171 39.1 31.7 47.5

170 25.5 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

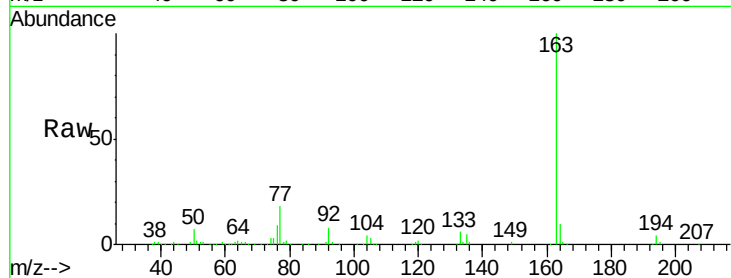




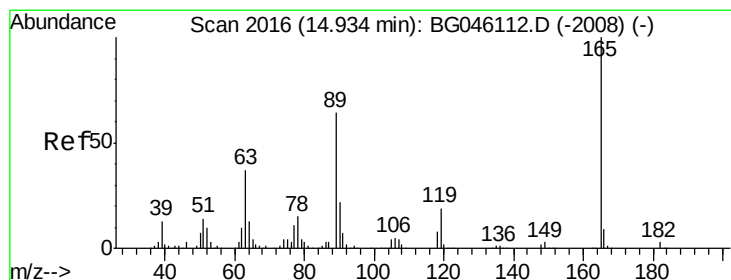
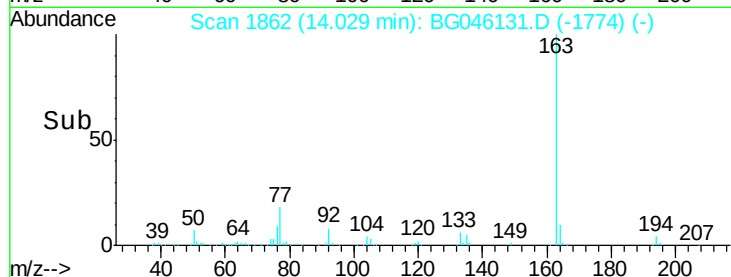
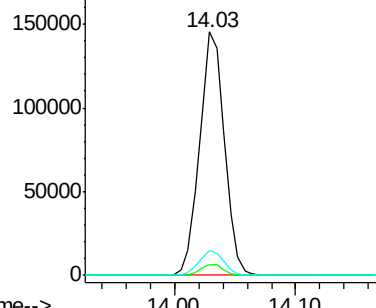
#50
Dimethylphthalate
Concen: 11.397 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BG046131.D
Acq: 31 Jul 2020 18:48

Instrument :
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ClientSampleId :
0437-MODIFIED-ELUTRIATE

Tot Ion:163 Resp: 207988
Ion Ratio Lower Upper
163 100
194 4.3 3.5 5.3
164 10.3 8.8 13.2

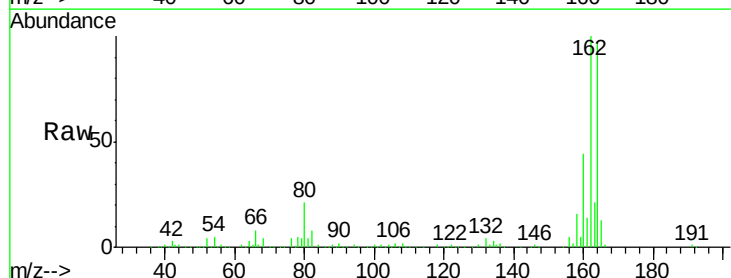


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

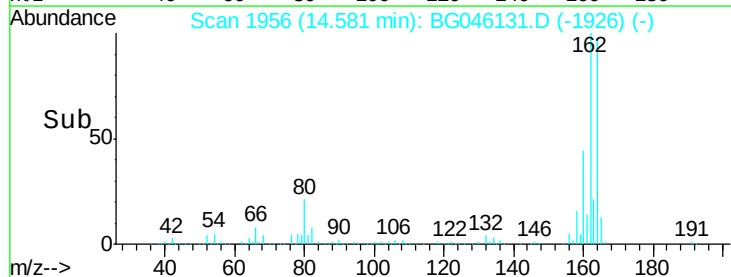
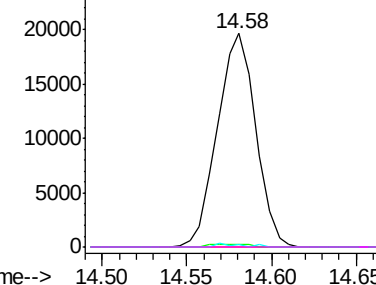


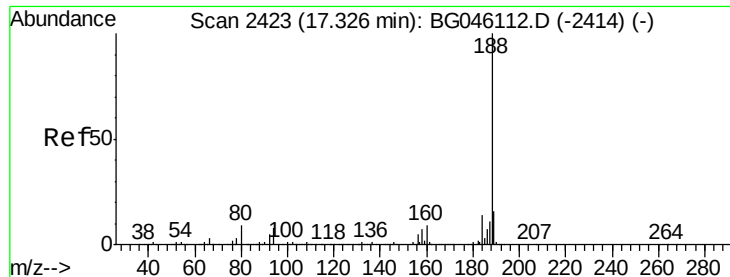
#57
2,4-Dinitrotoluene
Concen: 5.303 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.35 min
Lab File: BG046131.D
Acq: 31 Jul 2020 18:48

Tgt Ion:165 Resp: 30969
Ion Ratio Lower Upper
165 100
63 1.4 30.1 45.1#
89 1.0 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: BG046131.D

Acq: 31 Jul 2020 18:48

Instrument :

BNA_G

ClientSampleId :

0437-MODIFIED-ELUTRIATE

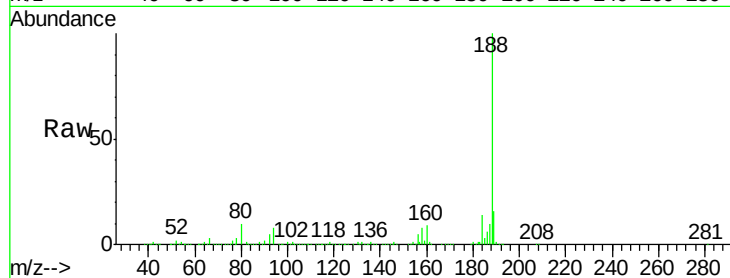
Tot Ion:188 Resp: 546884

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 9.6 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

500000

400000

300000

200000

100000

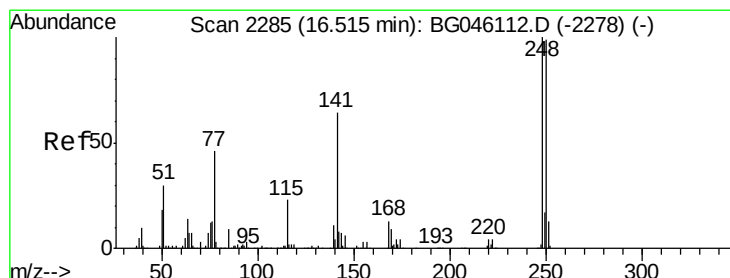
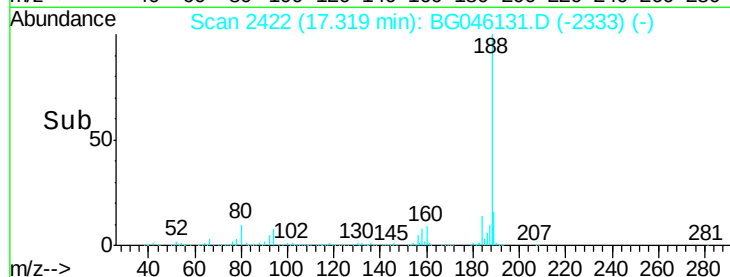
0

17.32

17.30

17.40

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.504 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.45 min

Lab File: BG046131.D

Acq: 31 Jul 2020 18:48

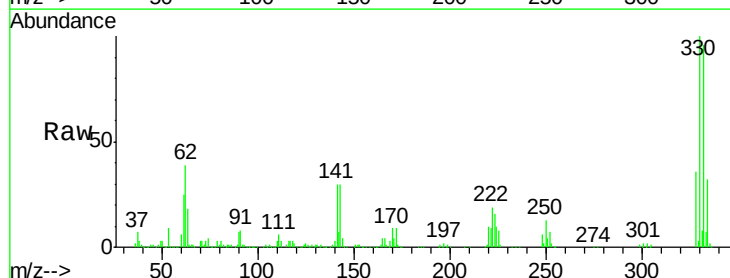
Tgt Ion:248 Resp: 30429

Ion Ratio Lower Upper

248 100

250 211.4 79.4 119.0#

141 482.0 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

120000

100000

80000

60000

40000

20000

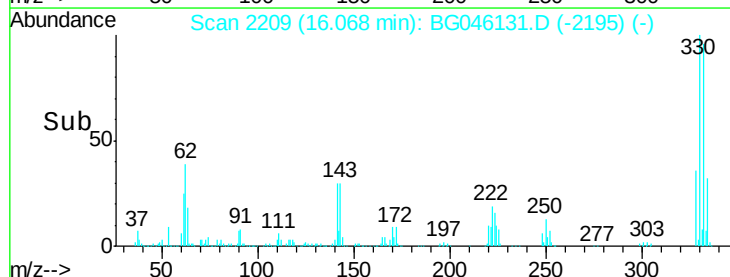
0

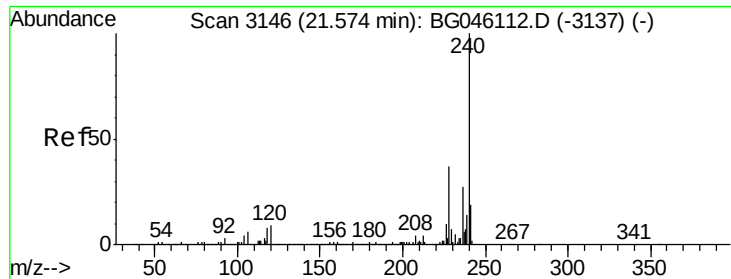
16.07

16.00

16.10

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG046131.D

Acq: 31 Jul 2020 18:48

Instrument :

BNA_G

ClientSampleId :

0437-MODIFIED-ELUTRIATE

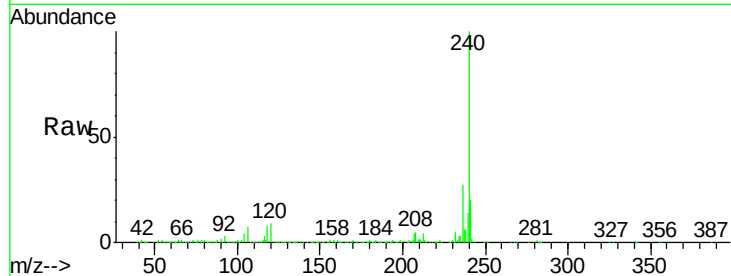
Tot Ion:240 Resp: 636245

Ion Ratio Lower Upper

240 100

120 8.9 7.1 10.7

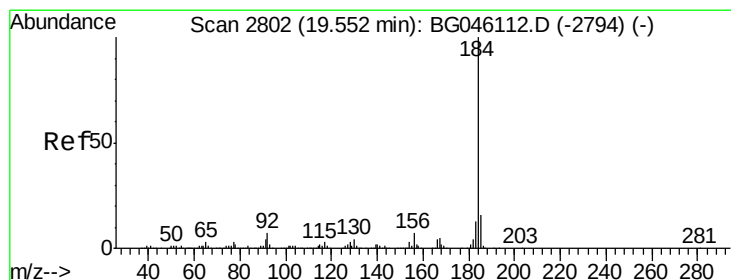
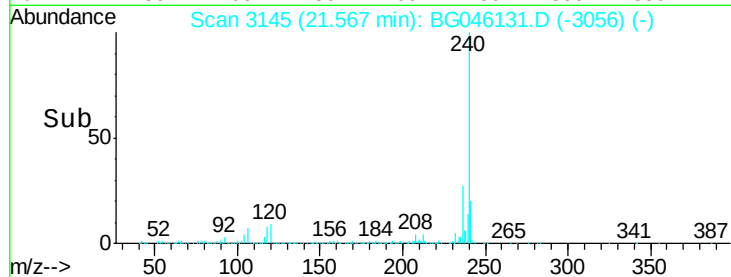
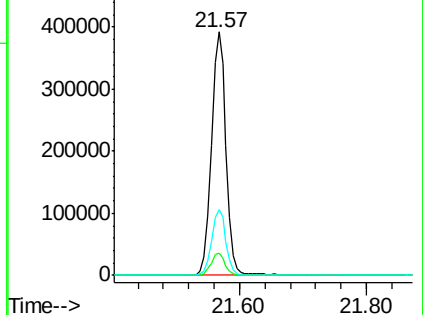
236 26.8 21.7 32.5



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: 2.099 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.39 min

Lab File: BG046131.D

Acq: 31 Jul 2020 18:48

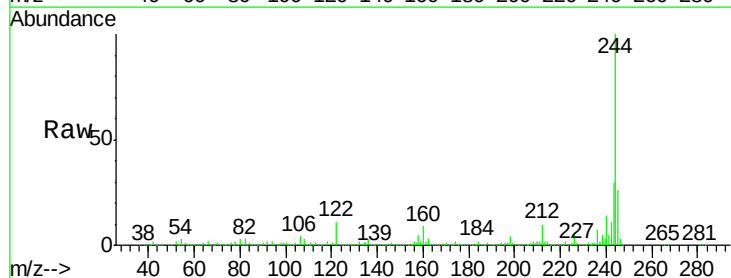
Tgt Ion:184 Resp: 37820

Ion Ratio Lower Upper

184 100

185 18.6 13.0 19.4

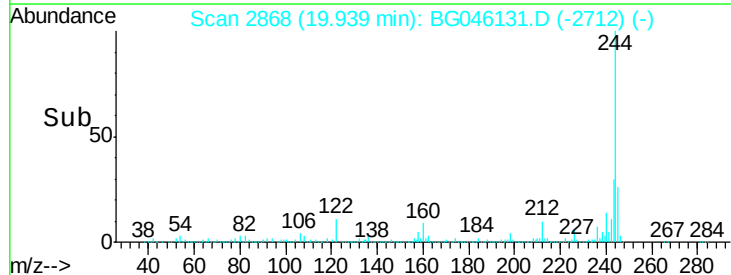
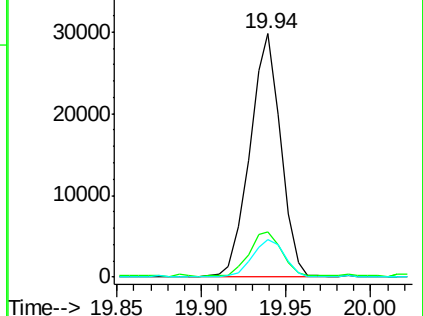
183 15.7 10.5 15.7

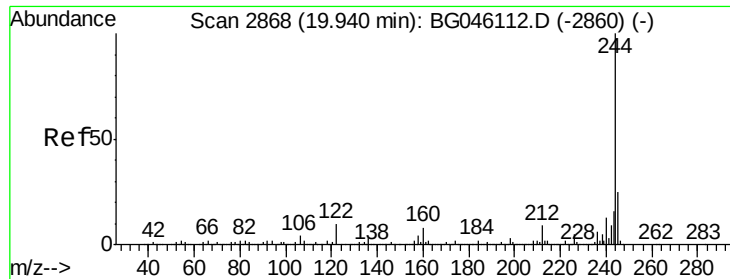


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 68.494 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BG046131.D

Acq: 31 Jul 2020 18:48

Instrument :

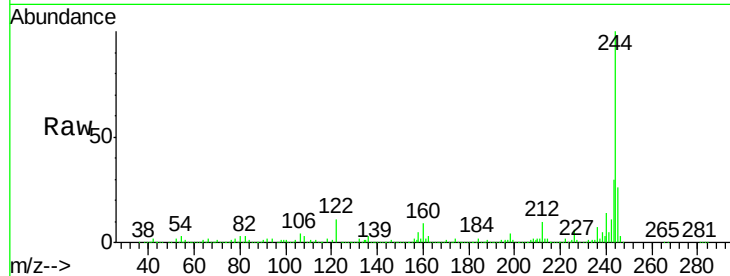
BNA_G

ClientSampleId :

0437-MODIFIED-ELUTRIATE

Tot Ion:244 Resp: 2139758

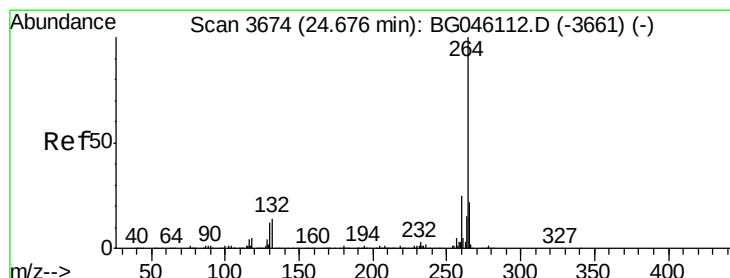
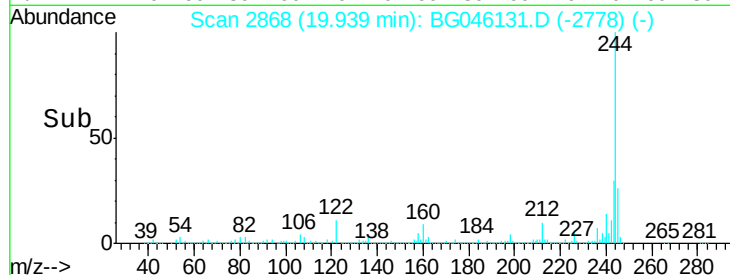
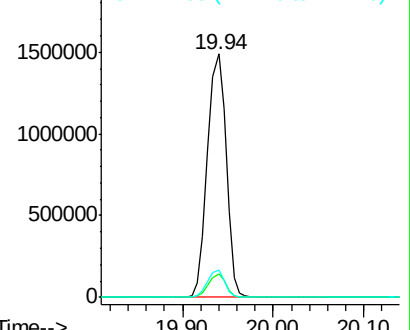
Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.2	10.8
122	11.5	8.3	12.5



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: 24.68 min Scan# 3674

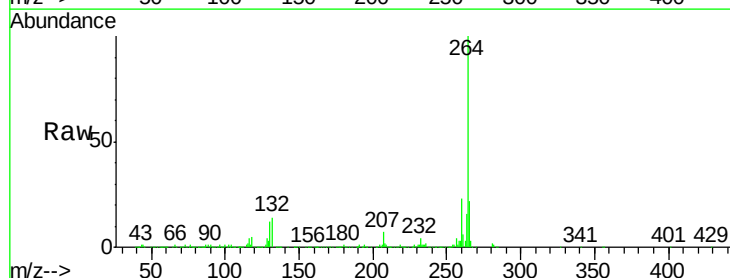
Delta R.T. -0.00 min

Lab File: BG046131.D

Acq: 31 Jul 2020 18:48

Tgt Ion:264 Resp: 634961

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.7	29.5
265	21.6	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

