

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
 Data File : BG045896.D
 Acq On : 30 Jun 2020 22:47
 Operator : CG/JU
 Sample : L2806-01RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-06-062620

Quant Time: Jul 01 00:32:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 16:34:40 2020
 Response via : Initial Calibration

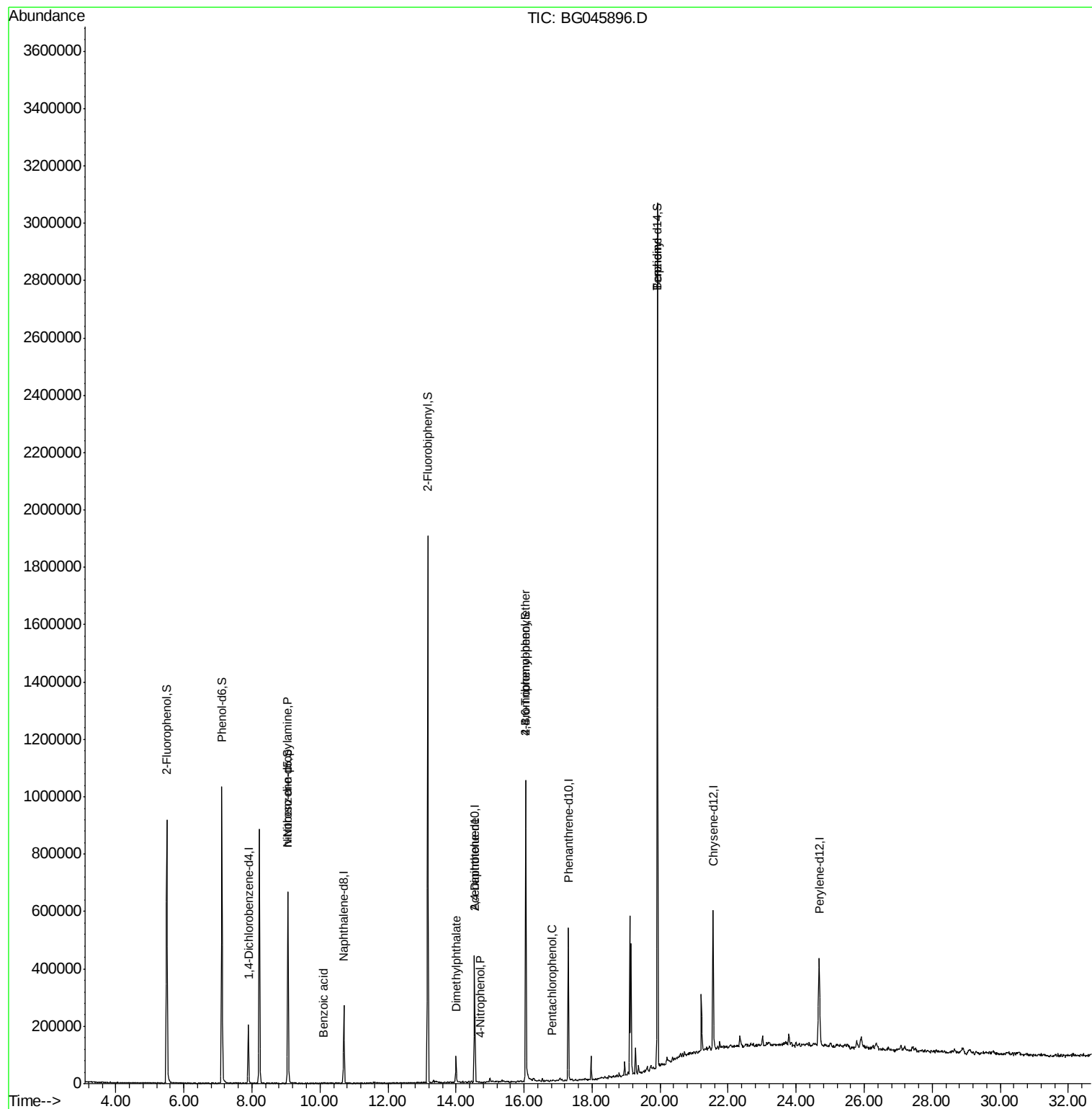
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	60223	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	235753	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	160640	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	343042	20.00	ng	0.00
76) Chrysene-d12	21.55	240	307753	20.00	ng	0.00
86) Perylene-d12	24.67	264	317516	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	466723	130.91	ng	0.00
7) Phenol-d6	7.12	99	682104	125.78	ng	0.00
23) Nitrobenzene-d5	9.06	82	455818	88.33	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	231819	95.59	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1002389	91.70	ng	0.00
79) Terphenyl-d14	19.92	244	1431903	94.29	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	62636	17.569	ng	Qvalue # 80
32) Benzoic acid	10.10	122	197	9.048	ng	# 68
50) Dimethylphthalate	14.00	163	59814	4.753	ng	96
56) 4-Nitrophenol	14.71	139	58	4.000	ng	# 1
57) 2,4-Dinitrotoluene	14.54	165	20816	5.140	ng	# 23
67) 4-Bromophenyl-phenylether	16.05	248	15033	3.373	ng	# 1
70) Pentachlorophenol	16.84	266	59	7.656	ng	# 19
77) Benzidine	19.92	184	27766	3.470	ng	# 87

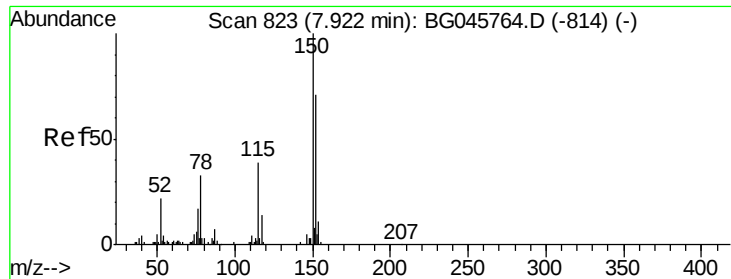
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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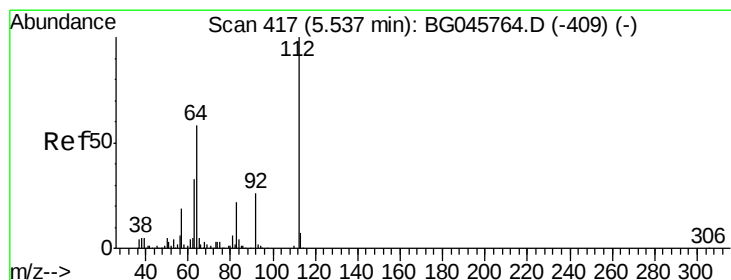
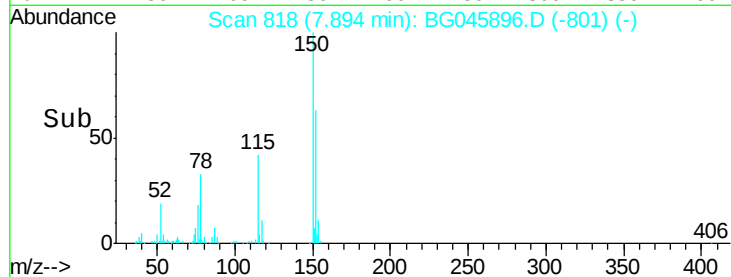
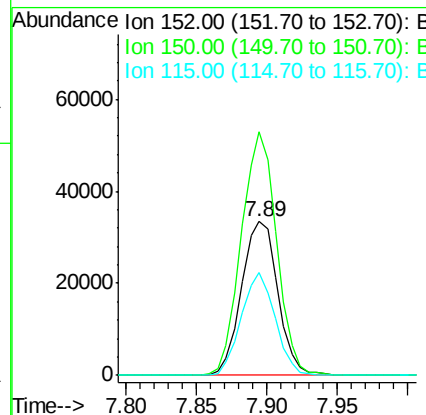
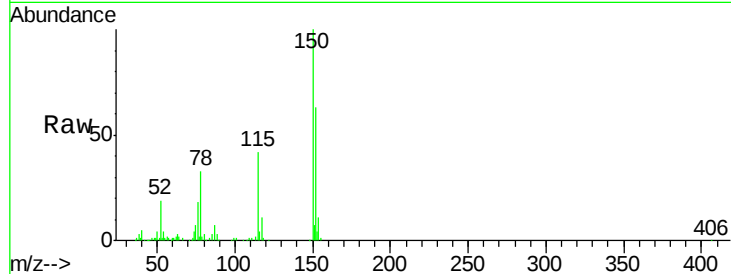


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 818
Delta R.T. 0.00 min
Lab File: BG045896.D
Acq: 30 Jun 2020 22:47

Instrument :
BNA_G
ClientSampleId :
AU-06-062620

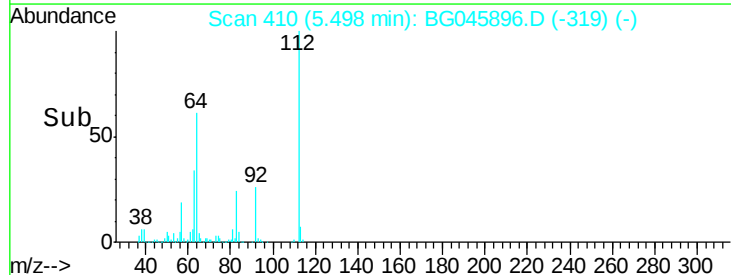
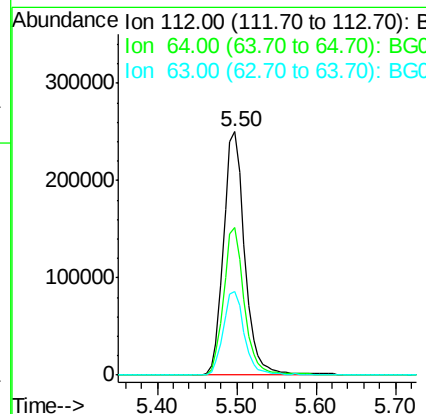
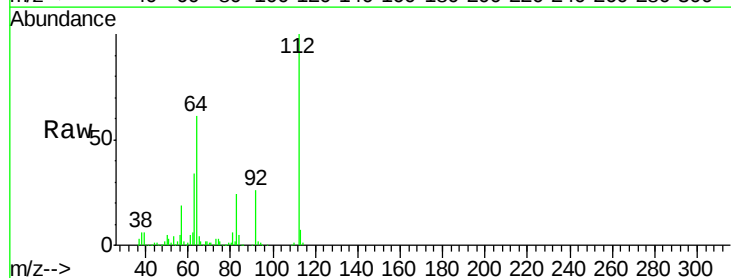
Tot Ion:152 Resp: 60223
Ion Ratio Lower Upper
152 100
150 158.4 121.2 181.8
115 66.6 47.5 71.3

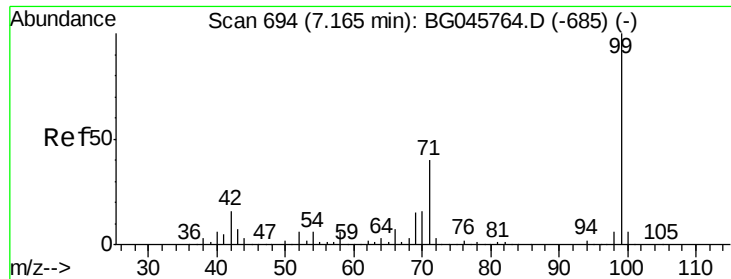


#5

2-Fluorophenol
Concen: 130.914 ng
RT: 5.50 min Scan# 410
Delta R.T. 0.01 min
Lab File: BG045896.D
Acq: 30 Jun 2020 22:47

Tgt Ion:112 Resp: 466723
Ion Ratio Lower Upper
112 100
64 60.7 48.5 72.7
63 34.5 26.5 39.7





#7

Phenol-d6

Concen: 125.784 ng

RT: 7.12 min Scan# 686

Delta R.T. 0.01 min

Lab File: BG045896.D

Acq: 30 Jun 2020 22:47

Instrument :

BNA_G

ClientSampleId :

AU-06-062620

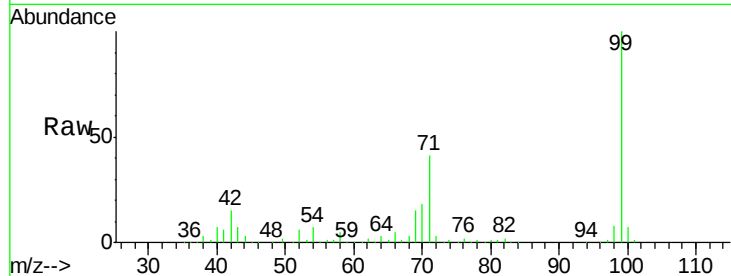
Tot Ion: 99 Resp: 682104

Ion Ratio Lower Upper

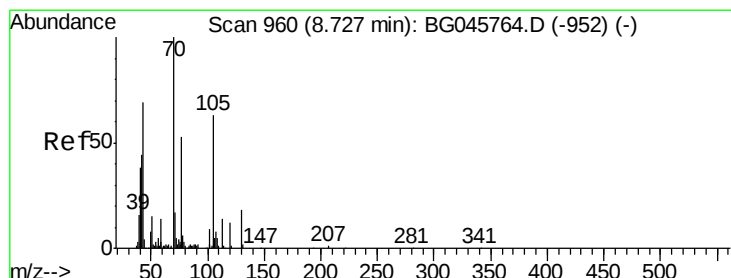
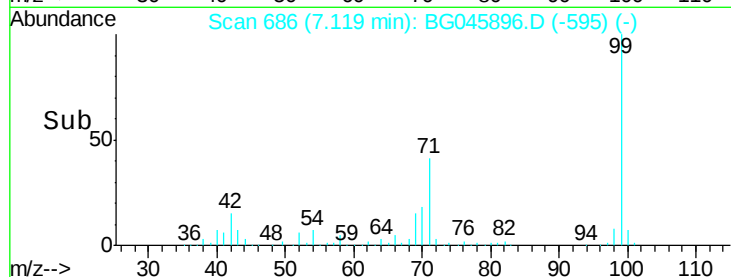
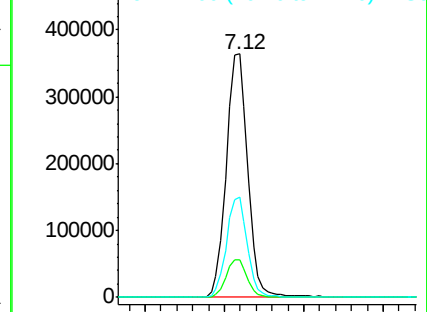
99 100

42 15.5 12.0 18.0

71 41.2 31.0 46.4



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: 17.569 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG045896.D

Acq: 30 Jun 2020 22:47

Tgt Ion: 70 Resp: 62636

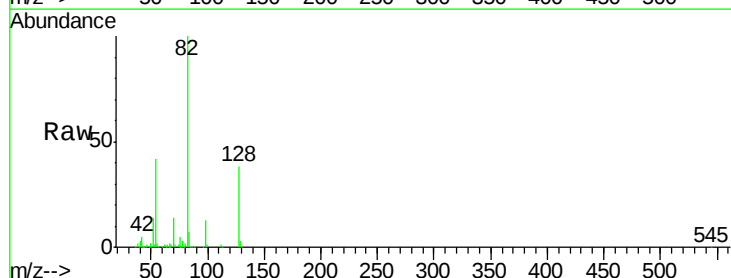
Ion Ratio Lower Upper

70 100

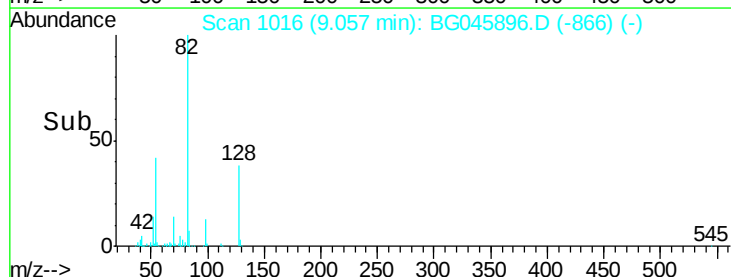
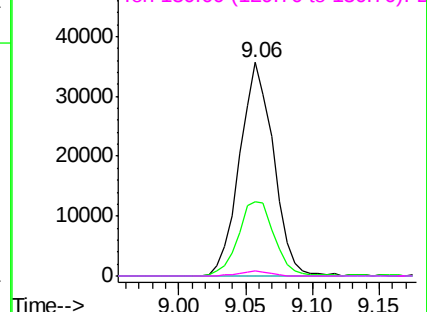
42 34.9 33.9 50.9

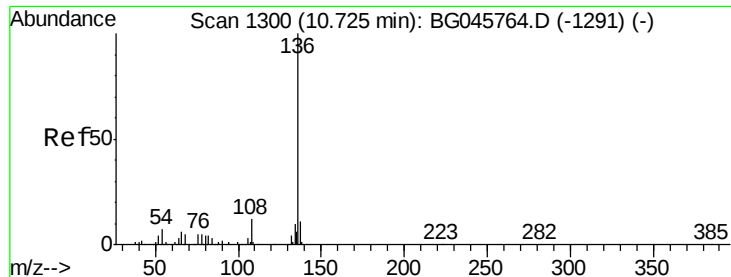
101 0.0 8.0 12.0#

130 2.3 14.9 22.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

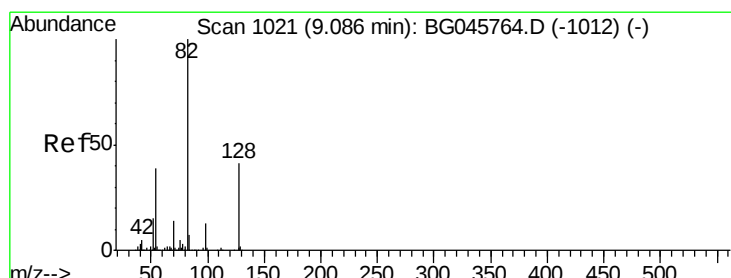
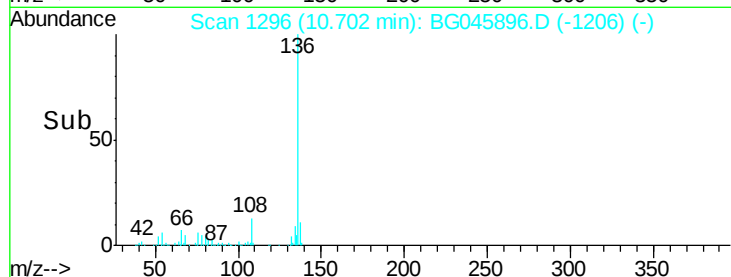
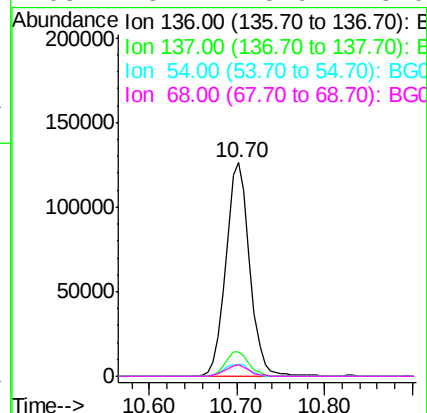
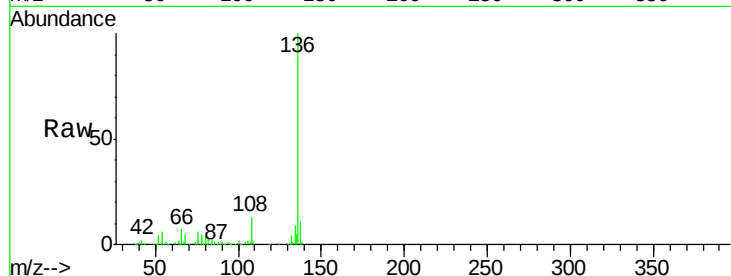




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG045896.D
Acq: 30 Jun 2020 22:47

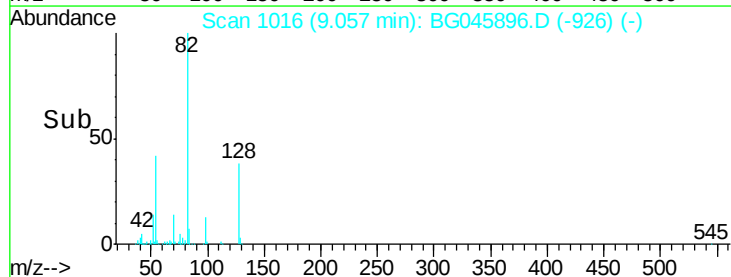
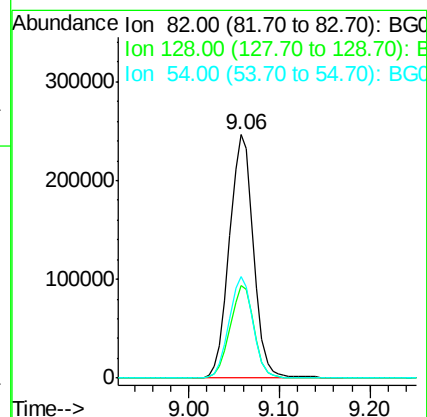
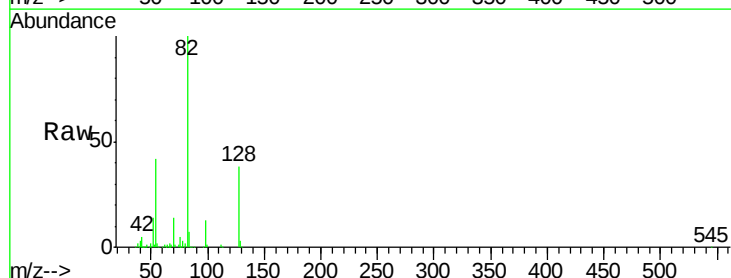
Instrument :
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AU-06-062620

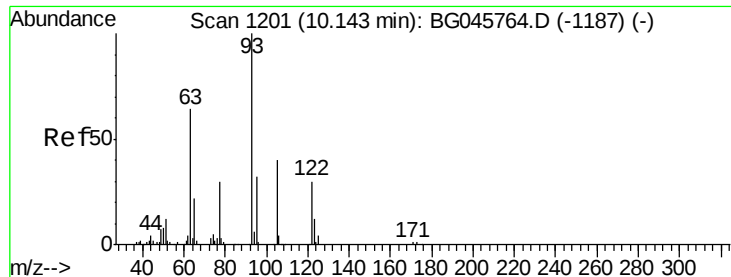
Tot Ion:136	Resp:	235753
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.4	14.0
54 5.6	4.9	7.3
68 5.4	3.9	5.9



#23
Nitrobenzene-d5
Concen: 88.327 ng
RT: 9.06 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BG045896.D
Acq: 30 Jun 2020 22:47

Tgt Ion: 82	Resp: 455818
Ion Ratio	Lower Upper
82 100	
128 38.3	31.3 46.9
54 41.6	32.6 49.0





#32

Benzoic acid

Concen: 9.048 ng

RT: 10.10 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BG045896.D

Acq: 30 Jun 2020 22:47

Instrument :

BNA_G

ClientSampleId :

AU-06-062620

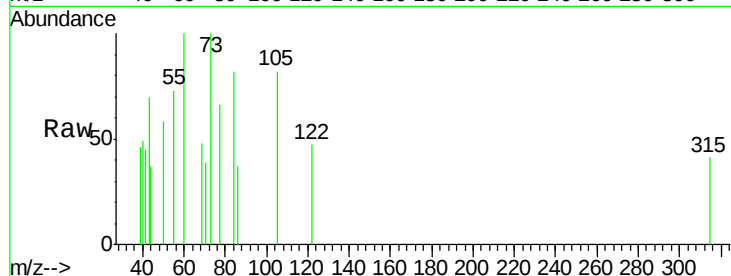
Tot Ion:122 Resp: 197

Ion Ratio Lower Upper

122 100

105 175.4 110.1 150.1#

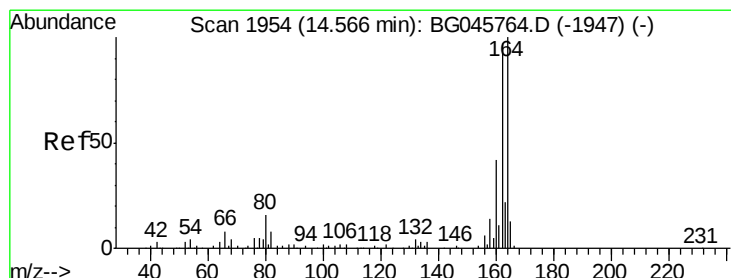
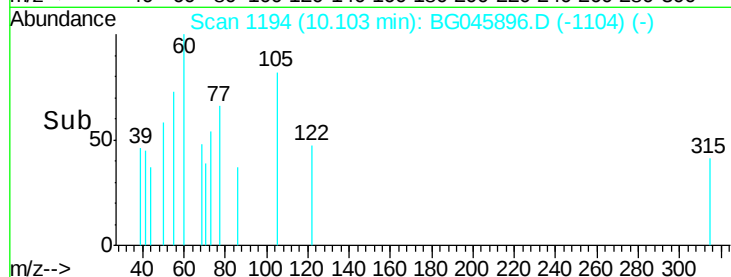
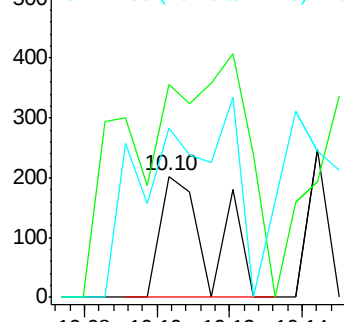
77 139.9 94.1 134.1#



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: 14.54 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG045896.D

Acq: 30 Jun 2020 22:47

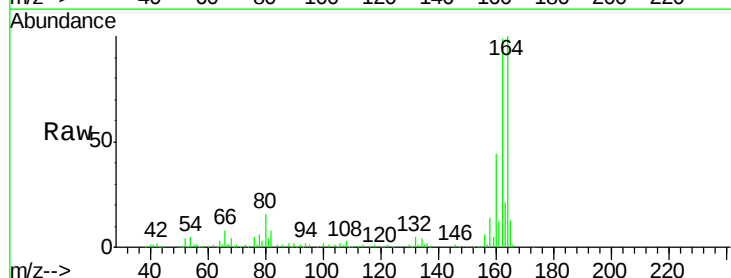
Tgt Ion:164 Resp: 160640

Ion Ratio Lower Upper

164 100

162 99.4 80.6 120.8

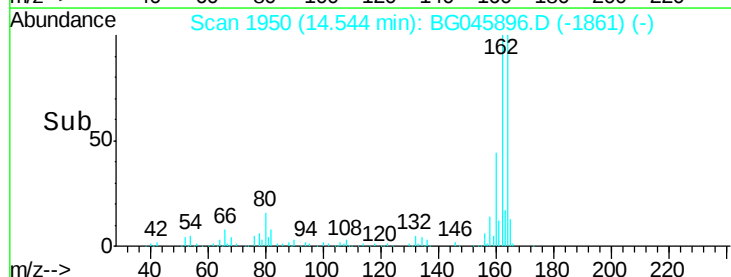
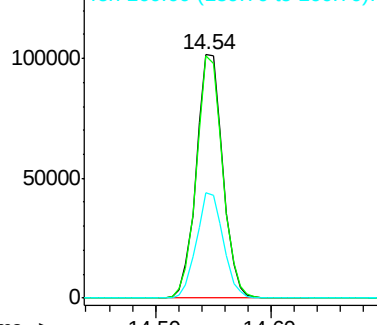
160 43.5 35.0 52.4

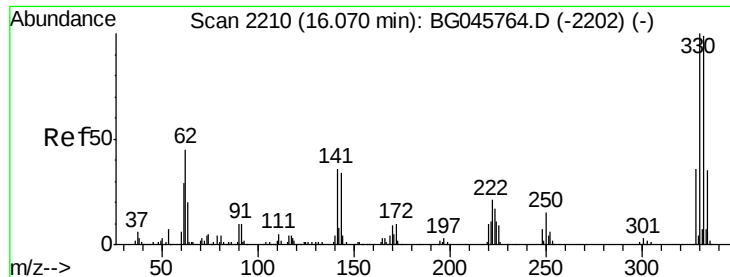


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

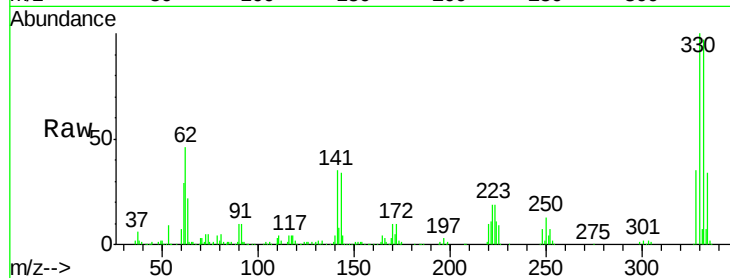




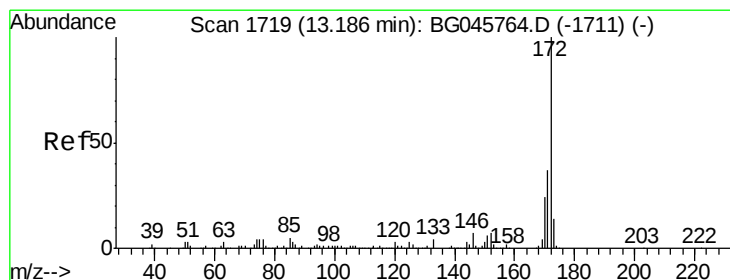
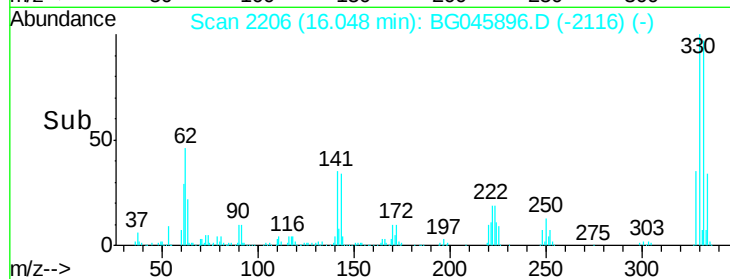
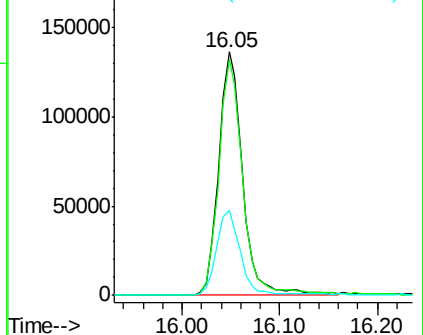
#42
 2,4,6-Tribromophenol
 Concen: 95.586 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG045896.D
 Acq: 30 Jun 2020 22:47

Instrument :
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Tot Ion:330 Resp: 231819
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 36.0 27.7 41.5

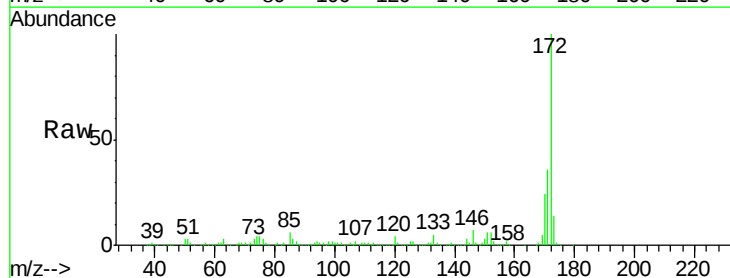


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

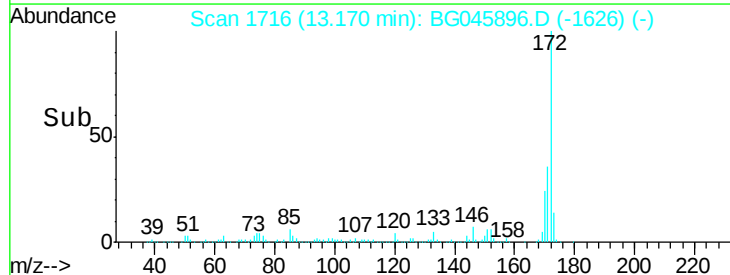
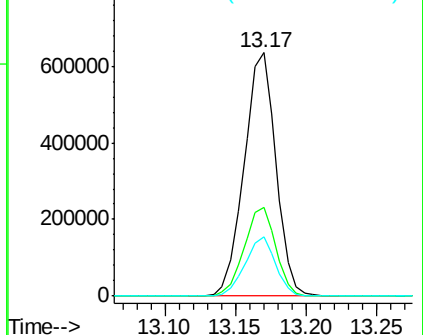


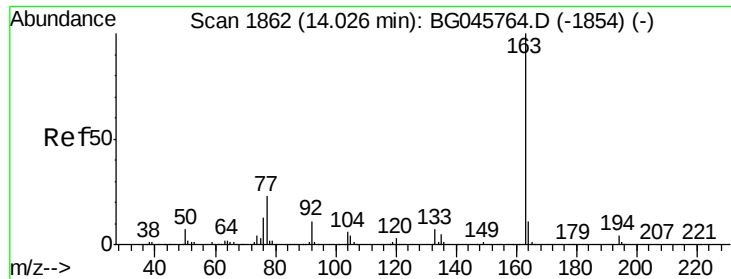
#45
 2-Fluorobiphenyl
 Concen: 91.700 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. 0.00 min
 Lab File: BG045896.D
 Acq: 30 Jun 2020 22:47

Tgt Ion:172 Resp: 1002389
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 24.1 19.1 28.7



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: 4.753 ng

RT: 14.00 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BG045896.D

Acq: 30 Jun 2020 22:47

Instrument :

BNA_G

ClientSampleId :

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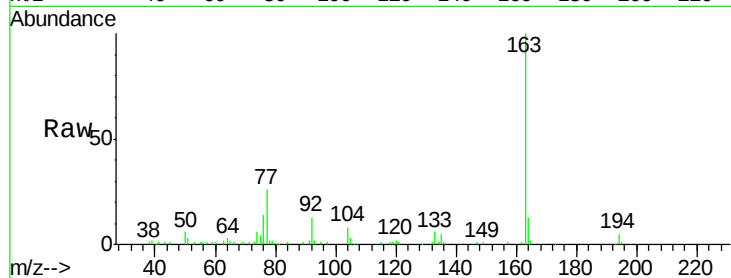
Tot Ion:163 Resp: 59814

Ion Ratio Lower Upper

163 100

194 4.6 3.3 4.9

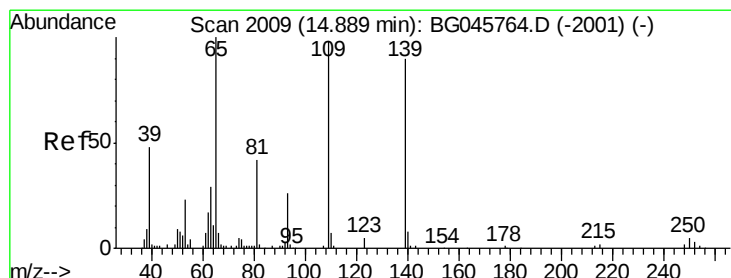
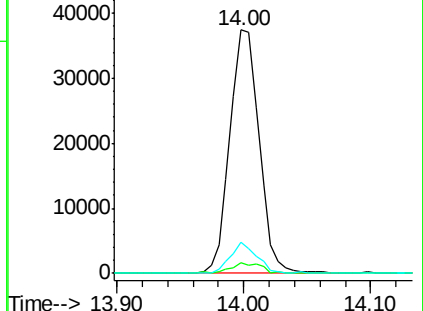
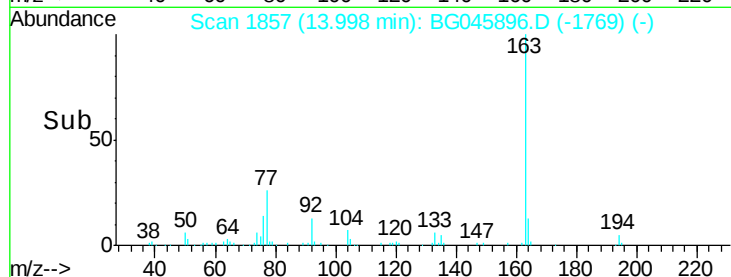
164 12.7 8.8 13.2



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



#56

4-Nitrophenol

Concen: 4.000 ng

RT: 14.71 min Scan# 1978

Delta R.T. -0.13 min

Lab File: BG045896.D

Acq: 30 Jun 2020 22:47

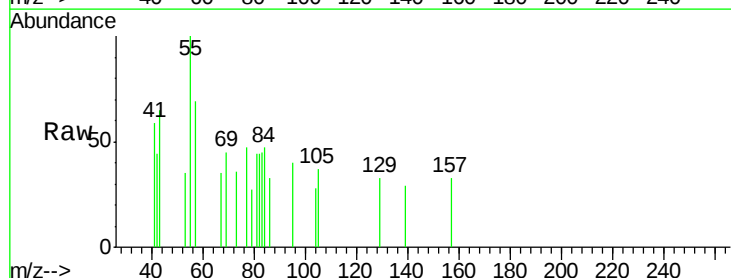
Tgt Ion:139 Resp: 58

Ion Ratio Lower Upper

139 100

109 0.0 83.9 123.9#

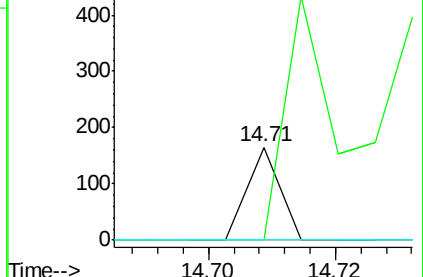
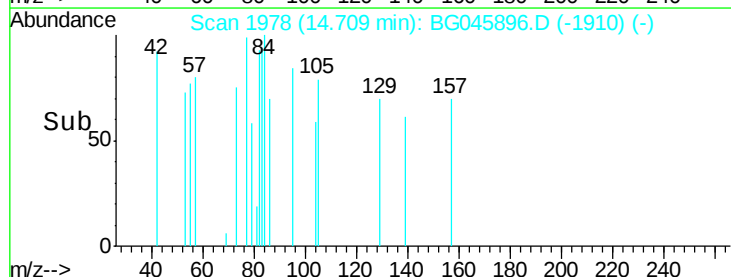
65 0.0 87.8 127.8#

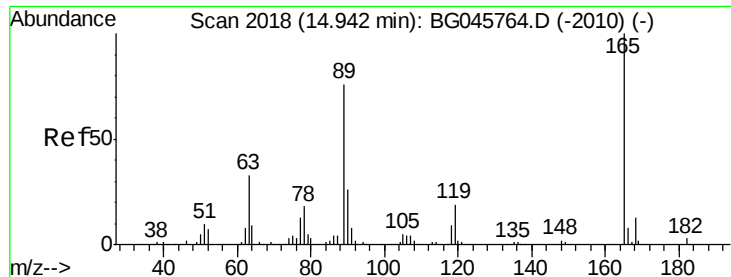


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

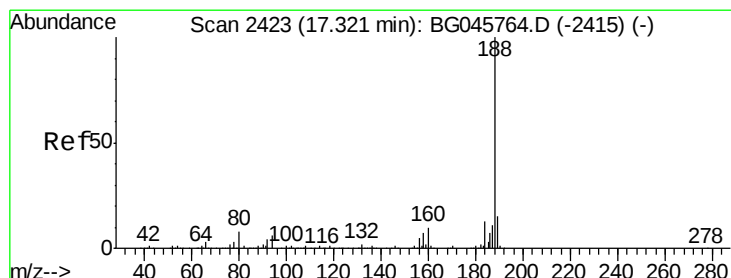
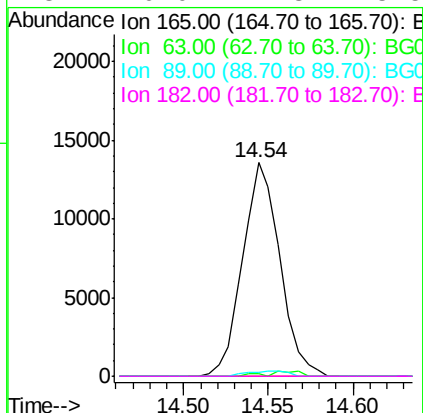
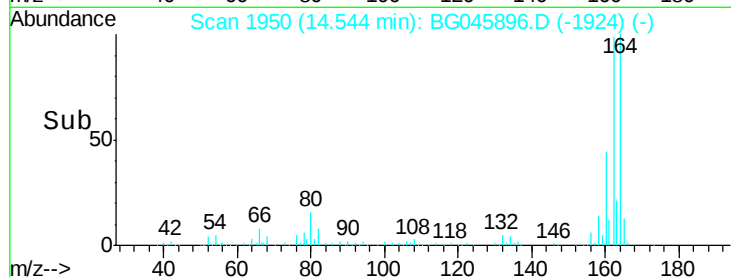
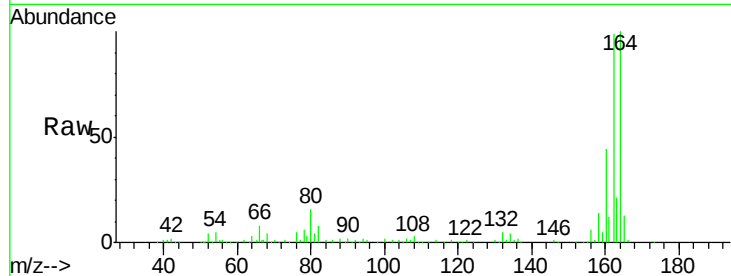




#57
 2,4-Dinitrotoluene
 Concen: 5.140 ng
 RT: 14.54 min Scan# 1950
 Delta R.T. -0.38 min
 Lab File: BG045896.D
 Acq: 30 Jun 2020 22:47

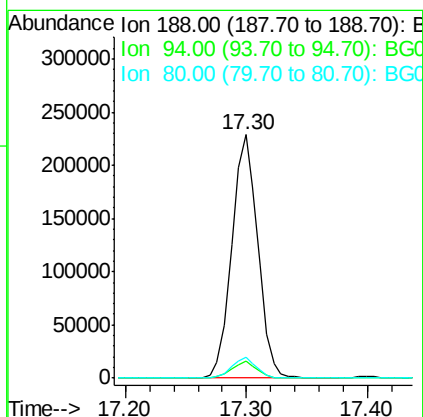
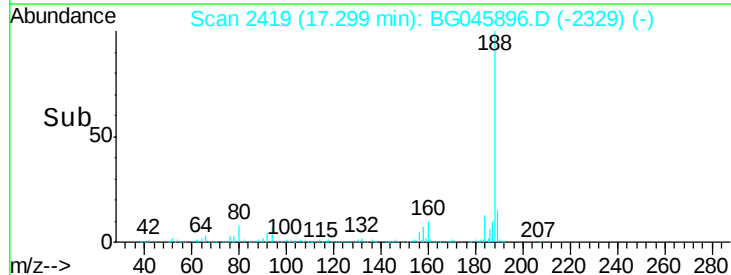
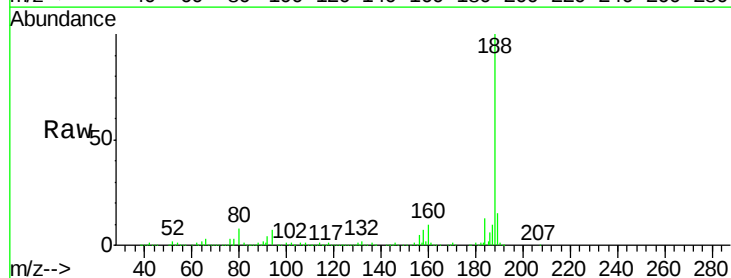
Instrument :
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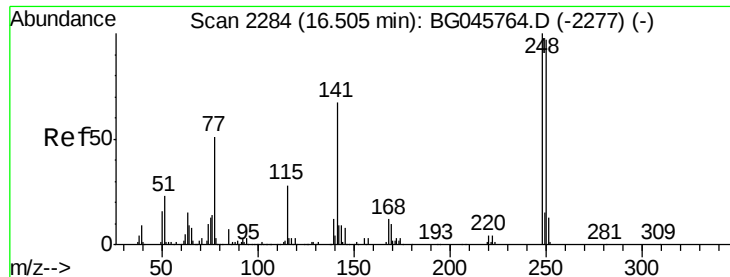
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.2	52.8#
89	2.0	61.4	92.2#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BG045896.D
 Acq: 30 Jun 2020 22:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.7	8.5
80	8.5	6.6	10.0

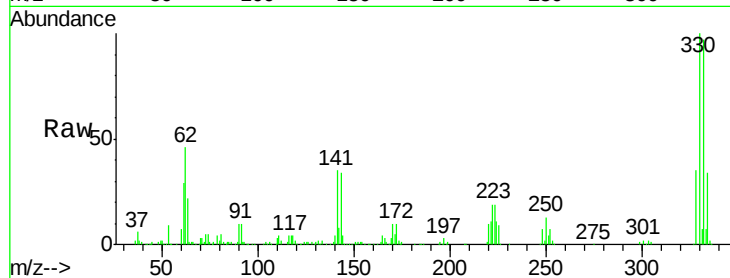




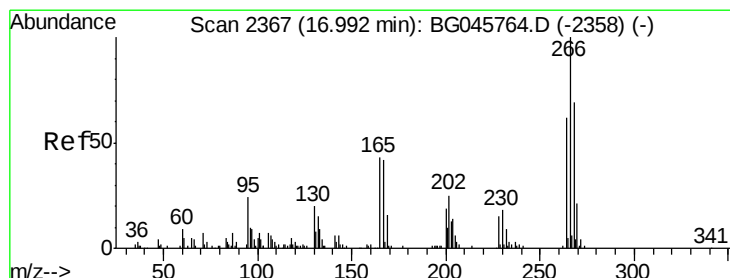
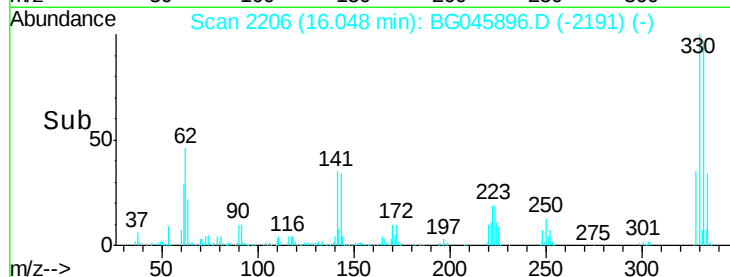
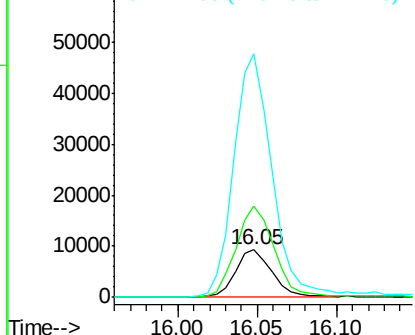
#67
 4-Bromophenyl-phenylether
 Concen: 3.373 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.44 min
 Lab File: BG045896.D
 Acq: 30 Jun 2020 22:47

Instrument :
 BNA_G
 ClientSampleId :
 AU-06-062620

Tot Ion:248 Resp: 15033
 Ion Ratio Lower Upper
 248 100
 250 193.5 76.8 115.2#
 141 514.2 52.6 79.0#

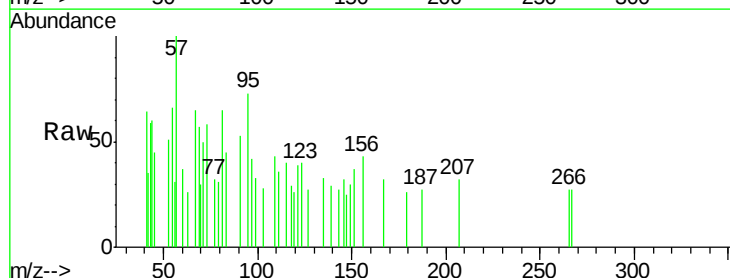


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

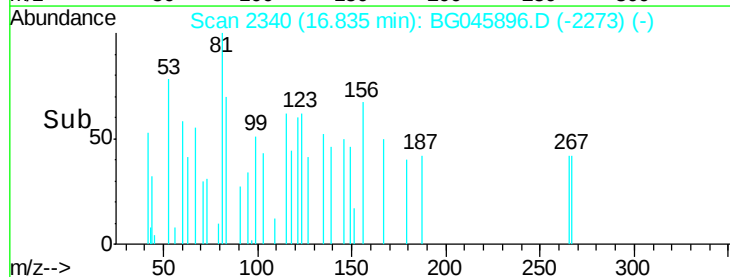
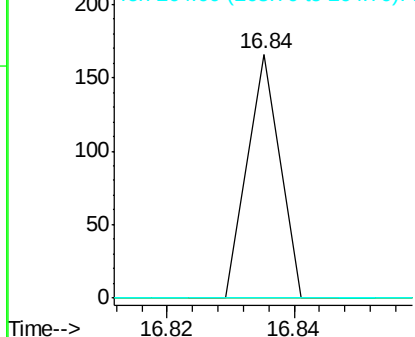


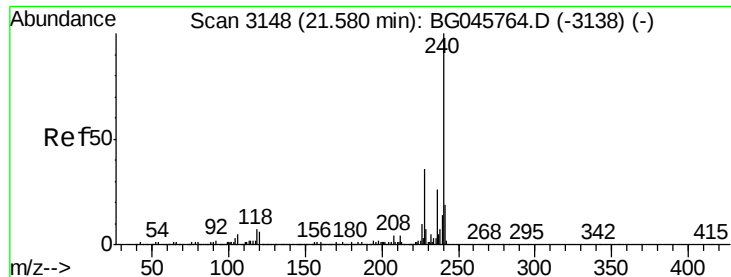
#70
 Pentachlorophenol
 Concen: 7.656 ng
 RT: 16.84 min Scan# 2340
 Delta R.T. -0.13 min
 Lab File: BG045896.D
 Acq: 30 Jun 2020 22:47

Tgt Ion:266 Resp: 59
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.9 76.3#
 264 0.0 49.8 74.8#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.55 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG045896.D

Acq: 30 Jun 2020 22:47

Instrument :

BNA_G

ClientSampleId :

AU-06-062620

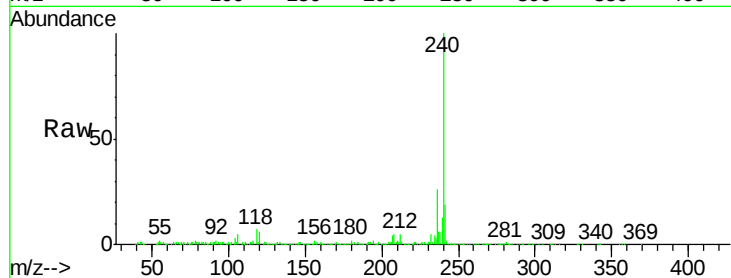
Tot Ion:240 Resp: 307753

Ion Ratio Lower Upper

240 100

120 6.0 5.6 8.4

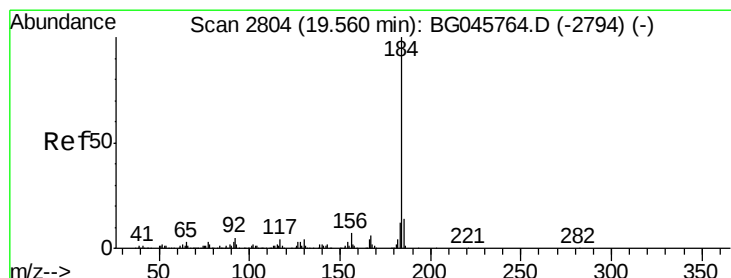
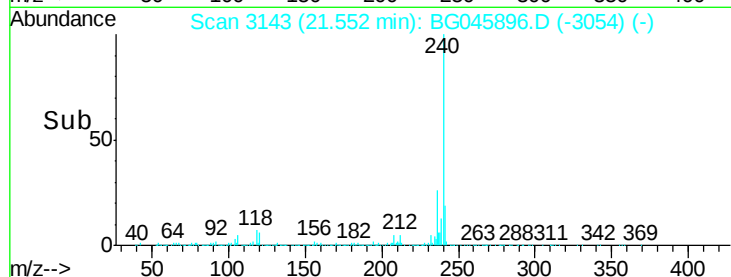
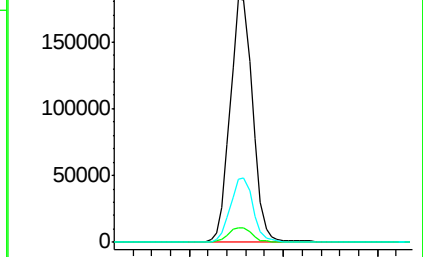
236 25.9 21.3 31.9



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: 3.470 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.38 min

Lab File: BG045896.D

Acq: 30 Jun 2020 22:47

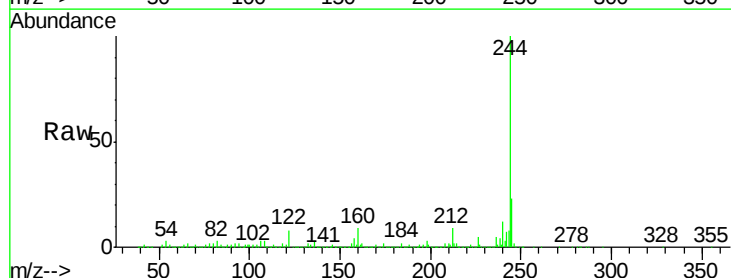
Tgt Ion:184 Resp: 27766

Ion Ratio Lower Upper

184 100

185 18.2 10.6 15.8#

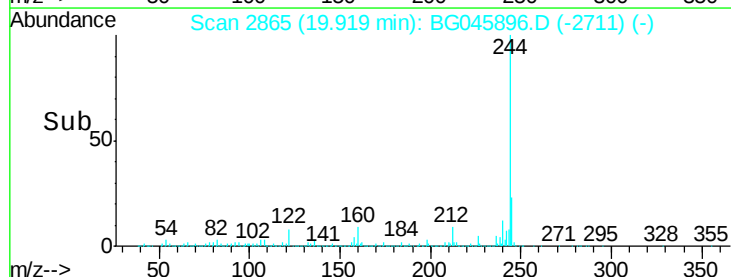
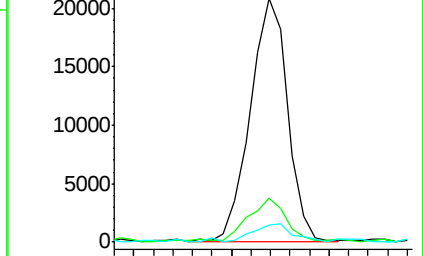
183 7.2 10.1 15.1#

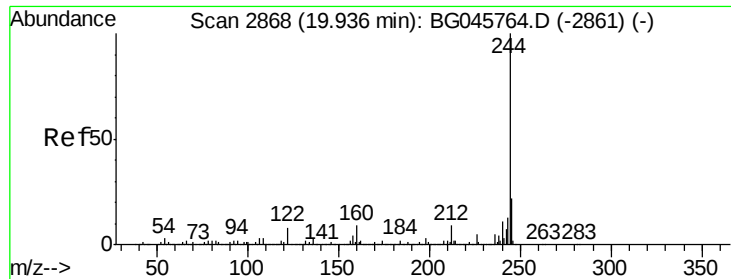


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 94.293 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG045896.D

Acq: 30 Jun 2020 22:47

Instrument :

BNA_G

ClientSampleId :

AU-06-062620

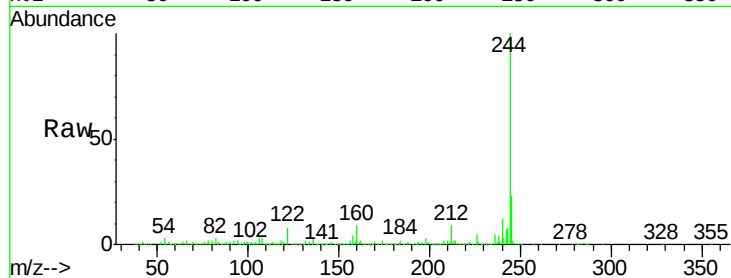
Tot Ion:244 Resp: 1431903

Ion Ratio Lower Upper

244 100

212 9.1 7.2 10.8

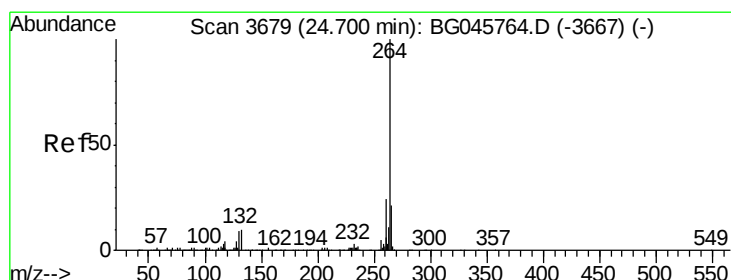
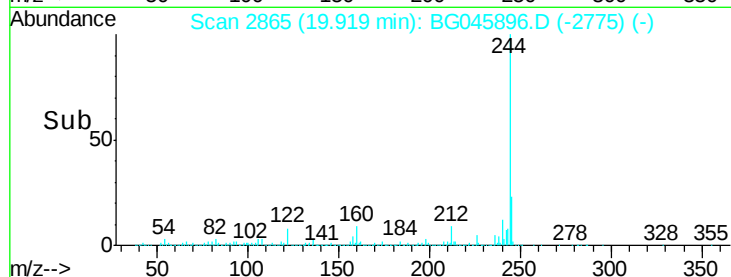
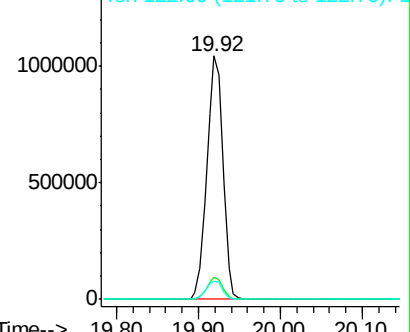
122 7.8 6.9 10.3



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: BG045896.D

Acq: 30 Jun 2020 22:47

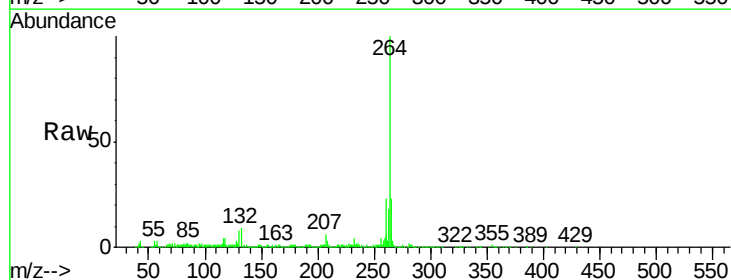
Tgt Ion:264 Resp: 317516

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 22.6 17.4 26.0



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

