

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG062220\
 Data File : BG045826.D
 Acq On : 22 Jun 2020 13:56
 Operator : CG/JU
 Sample : L3033-10DL2 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z1-DUP-0572-200616DL2

Quant Time: Jun 22 14:31:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	42568	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	169962	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	132155	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	320580	20.00	ng	0.00
76) Chrysene-d12	21.57	240	335967	20.00	ng	0.00
86) Perylene-d12	24.70	264	350073	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	2575	1.02	ng	0.00
7) Phenol-d6	7.15	99	2380	0.62	ng	-0.01
23) Nitrobenzene-d5	9.08	82	5388	1.45	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	4234	2.12	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	14762	1.64	ng	0.00
79) Terphenyl-d14	19.93	244	28652	1.73	ng	0.00

Target Compounds

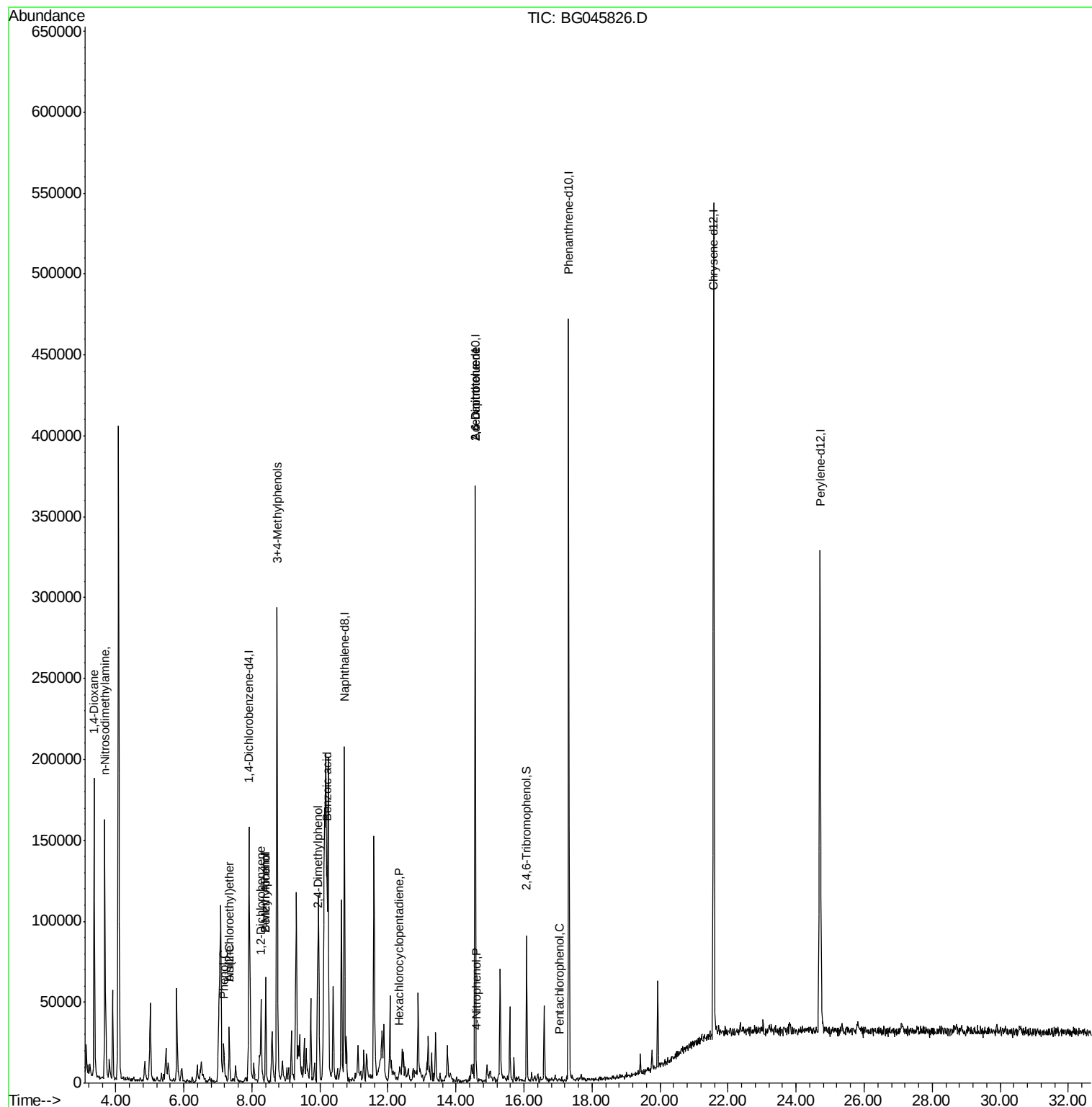
						Qvalue
2) 1,4-Dioxane	3.36	88	123846	107.304	ng	99
4) n-Nitrosodimethylamine	3.68	42	9006	7.845	ng	# 1
6) Aniline	7.34	93	21841	4.839	ng	# 55
10) Phenol	7.17	94	14308	3.852	ng	98
11) bis(2-Chloroethyl)ether	7.34	93	21841	7.742	ng	95
14) 1,2-Dichlorobenzene	8.27	146	21589	7.024	ng	89
15) Benzyl Alcohol	8.41	79	10801	3.641	ng	# 15
17) 2-Methylphenol	8.41	107	20977	7.589	ng	93
20) 3+4-Methylphenols	8.74	107	141331	38.880	ng	# 74
27) 2,4-Dimethylphenol	9.93	122	21949	8.699	ng	95
32) Benzoic acid	10.20	122	34051	25.894	ng	# 28
41) Hexachlorocyclopentadiene	12.33	237	55	8.439	ng	# 27
51) 2,6-Dinitrotoluene	14.56	165	16973	7.299	ng	# 26
56) 4-Nitrophenol	14.61	139	64	4.010	ng	# 45
57) 2,4-Dinitrotoluene	14.56	165	16973	5.094	ng	# 25
70) Pentachlorophenol	17.05	266	63	7.659	ng	# 17

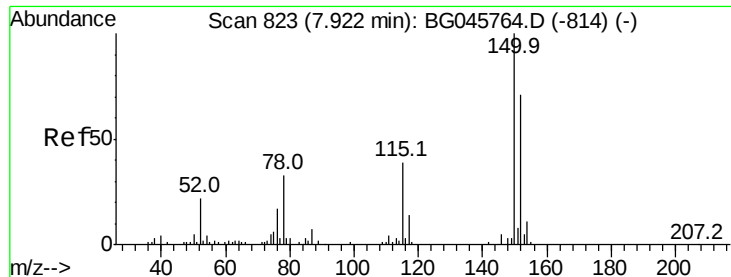
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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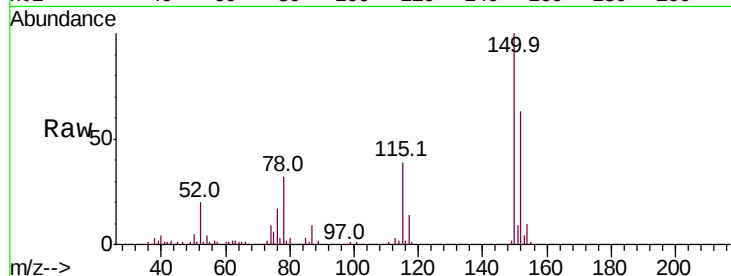


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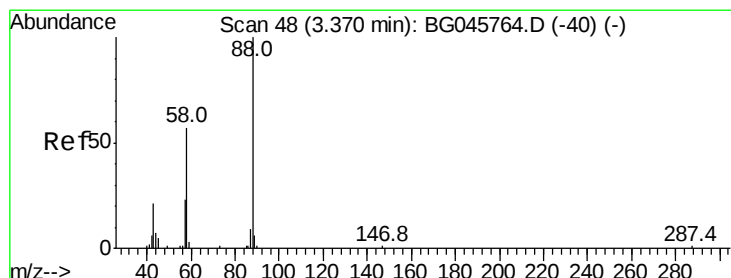
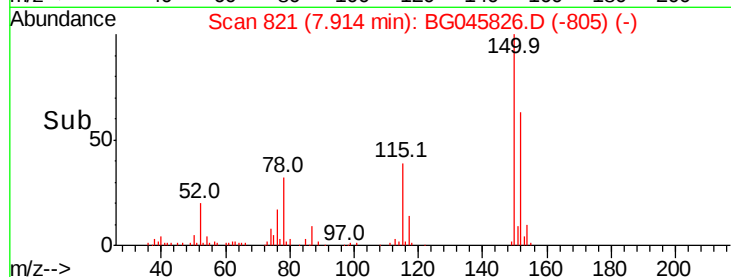
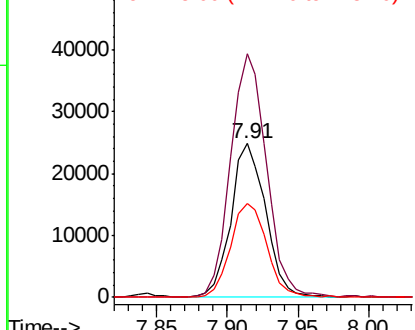
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG045826.D
Acq: 22 Jun 2020 13:56

Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616DL2

Tot Ion:152 Resp: 42568
Ion Ratio Lower Upper
152 100
150 158.2 113.1 169.7
115 61.1 43.8 65.6



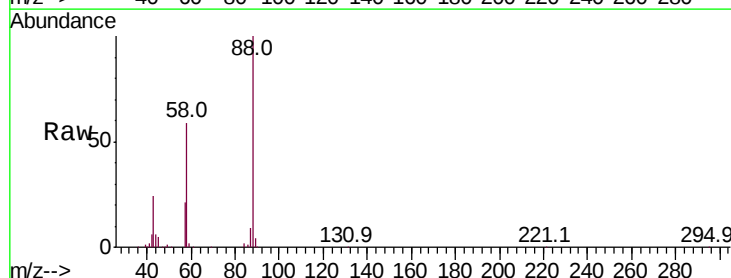
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



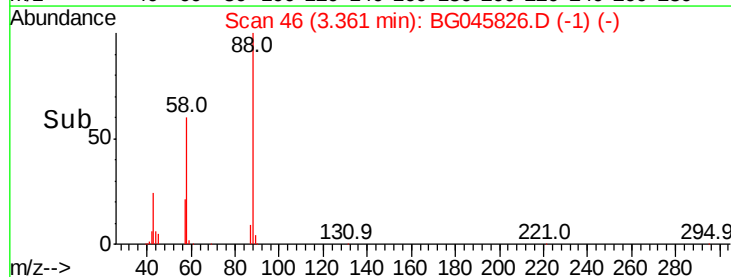
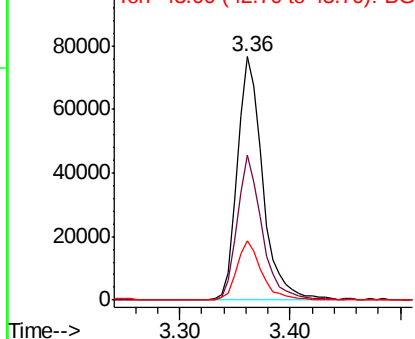
#2

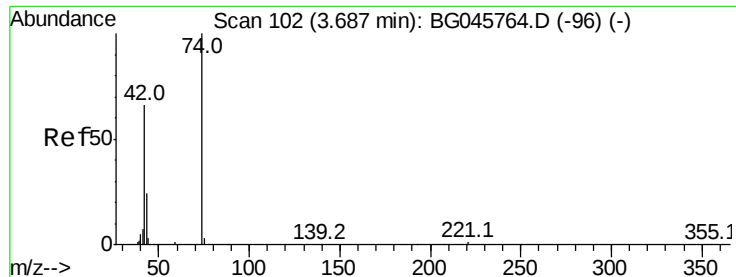
1,4-Dioxane
Concen: 107.304 ng
RT: 3.36 min Scan# 46
Delta R.T. -0.01 min
Lab File: BG045826.D
Acq: 22 Jun 2020 13:56

Tgt Ion: 88 Resp: 123846
Ion Ratio Lower Upper
88 100
58 58.4 46.1 69.1
43 23.9 19.2 28.8



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC



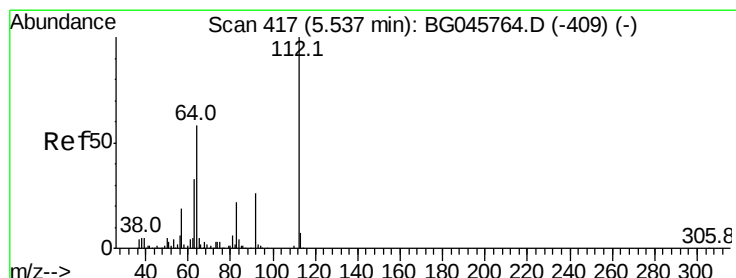
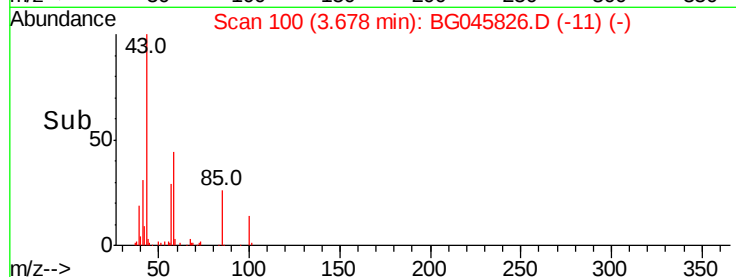
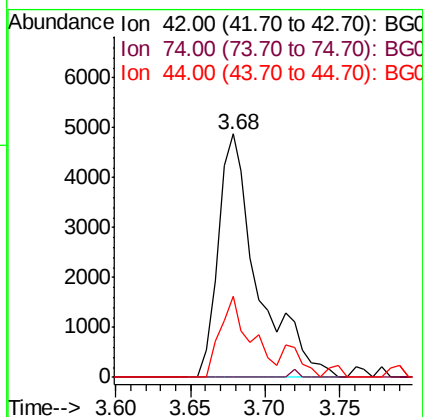
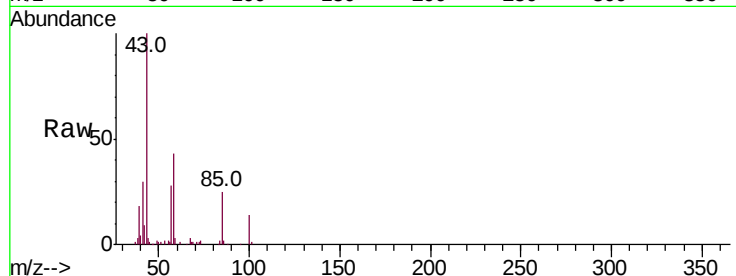


#4

n-Nitrosodimethylamine
 Concen: 7.845 ng
 RT: 3.68 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: BG045826.D
 Acq: 22 Jun 2020 13:56

Instrument :
 BNA_G
 ClientSampleId :
 Z1-DUP-0572-200616DL2

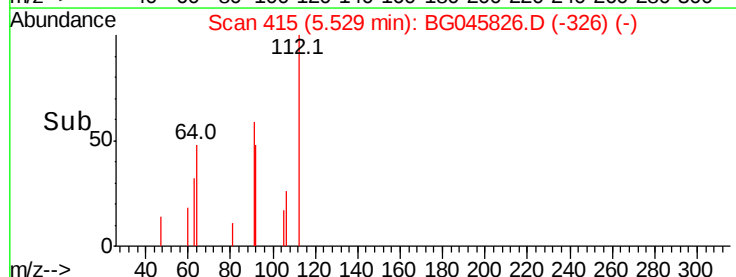
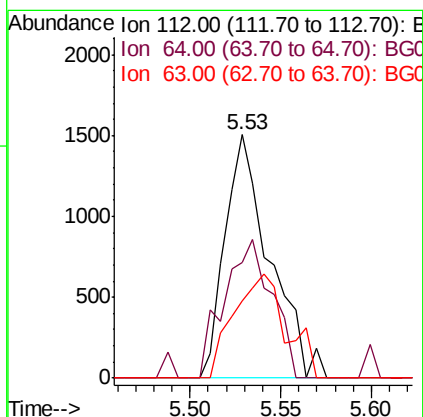
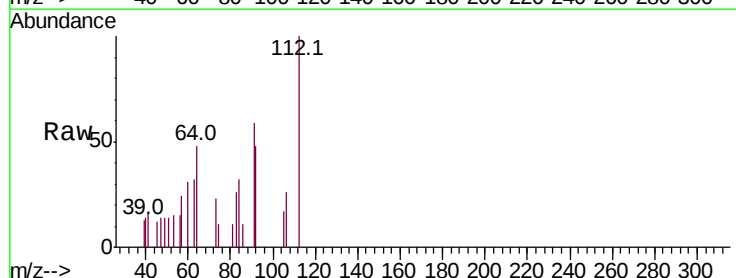
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	121.0	181.4#
44	33.5	3.5	5.3#

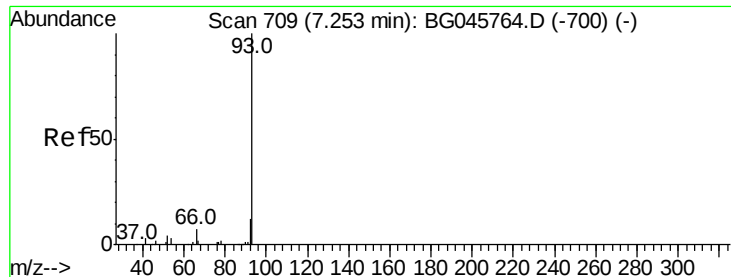


#5

2-Fluorophenol
 Concen: 1.022 ng
 RT: 5.53 min Scan# 415
 Delta R.T. -0.01 min
 Lab File: BG045826.D
 Acq: 22 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.7	46.6	69.8
63	31.6	26.3	39.5





#6

Aniline

Concen: 4.839 ng

RT: 7.34 min Scan# 723

Delta R.T. 0.09 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0572-200616DL2

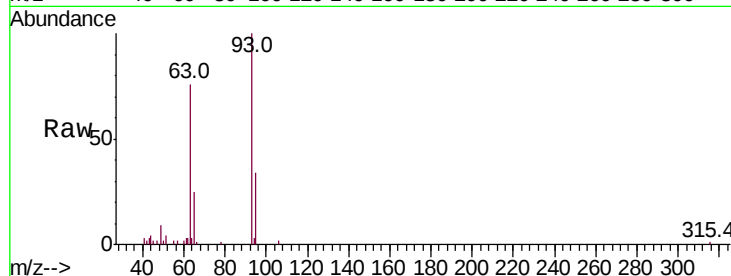
Tot Ion: 93 Resp: 21841

Ion Ratio Lower Upper

93 100

66 1.3 30.0 45.0#

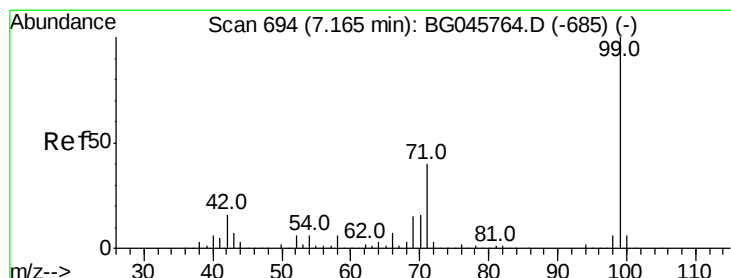
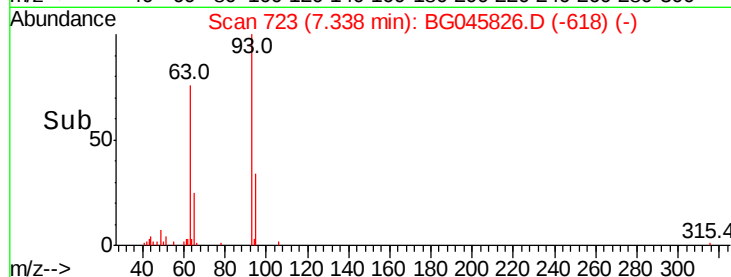
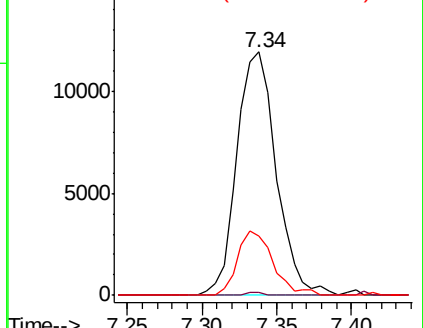
65 24.5 14.7 22.1#



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 0.621 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

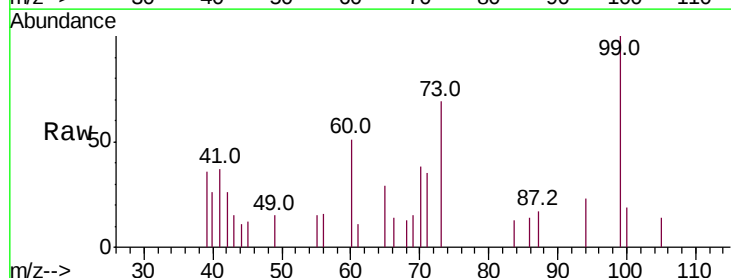
Tgt Ion: 99 Resp: 2380

Ion Ratio Lower Upper

99 100

42 25.9 12.4 18.6#

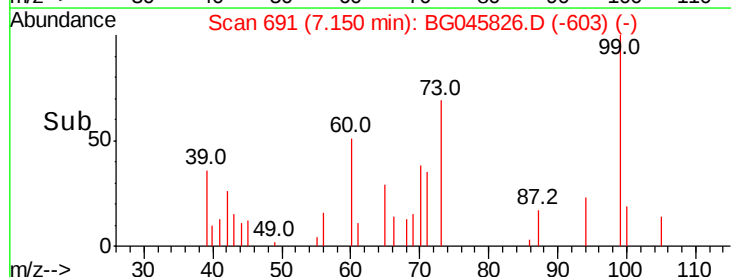
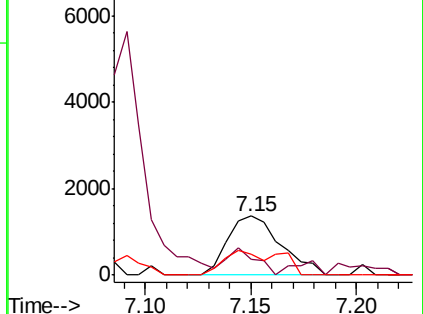
71 35.1 32.1 48.1

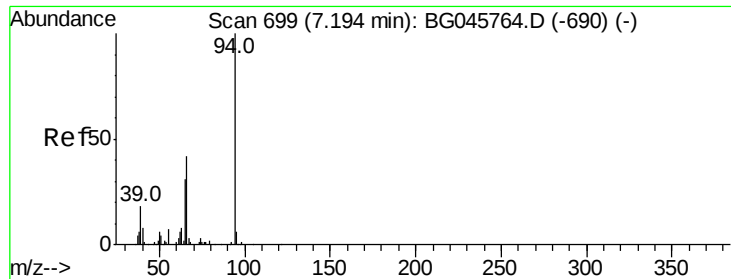


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

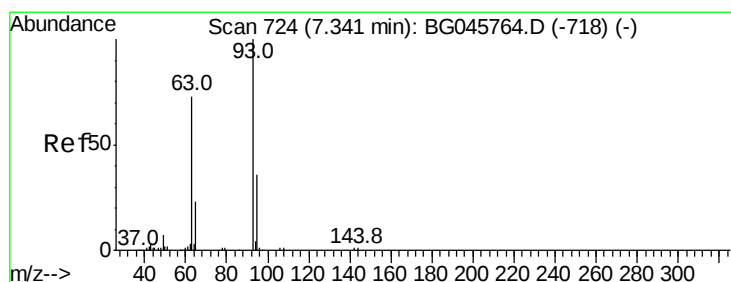
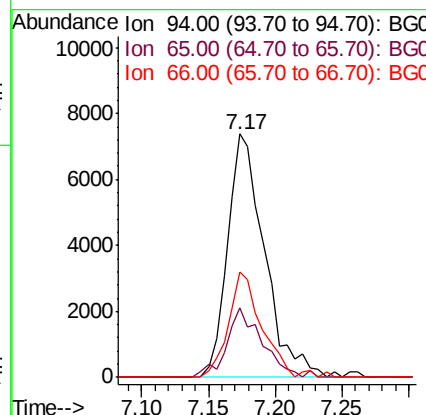
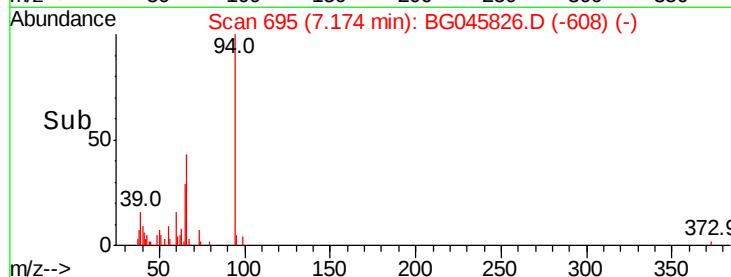
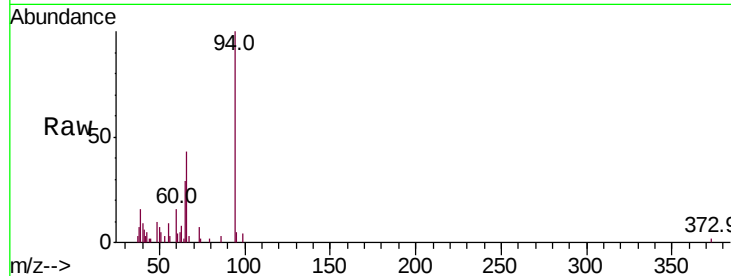




#10
Phenol
Concen: 3.852 ng
RT: 7.17 min Scan# 695
Delta R.T. -0.02 min
Lab File: BG045826.D
Acq: 22 Jun 2020 13:56

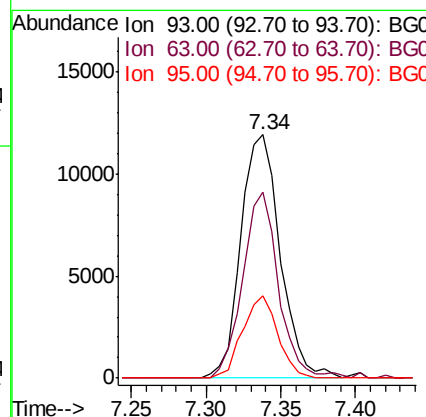
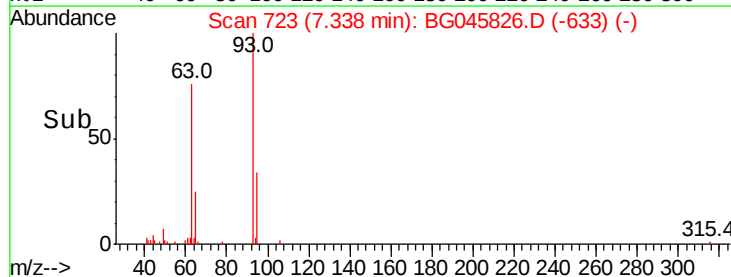
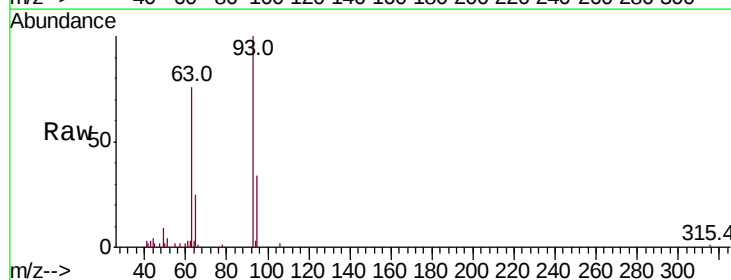
Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616DL2

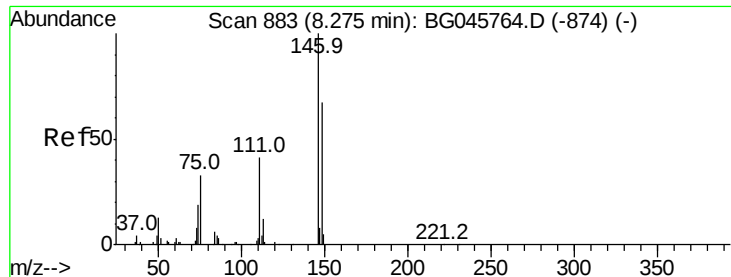
Tot Ion: 94 Resp: 14308
Ion Ratio Lower Upper
94 100
65 28.7 10.7 50.7
66 43.5 22.5 62.5



#11
bis(2-Chloroethyl)ether
Concen: 7.742 ng
RT: 7.34 min Scan# 723
Delta R.T. -0.00 min
Lab File: BG045826.D
Acq: 22 Jun 2020 13:56

Tgt Ion: 93 Resp: 21841
Ion Ratio Lower Upper
93 100
63 76.4 52.0 92.0
95 34.0 15.6 55.6





#14

1,2-Dichlorobenzene

Concen: 7.024 ng

RT: 8.27 min Scan# 882

Delta R.T. -0.00 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0572-200616DL2

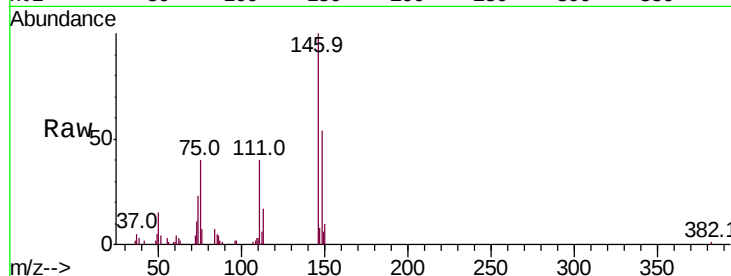
Tot Ion:146 Resp: 21589

Ion Ratio Lower Upper

146 100

148 54.3 54.1 81.1

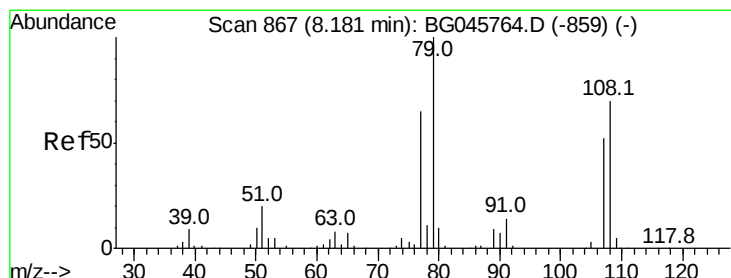
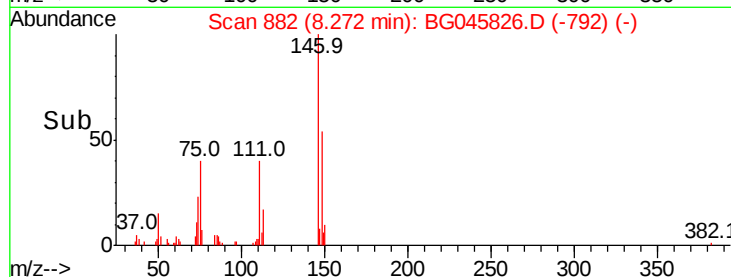
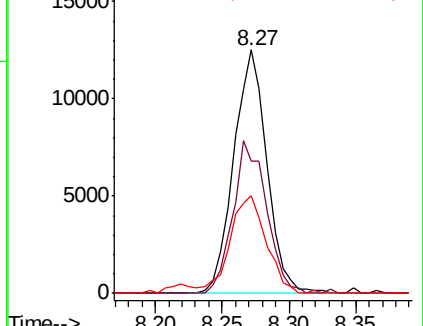
111 40.4 32.9 49.3



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 3.641 ng

RT: 8.41 min Scan# 905

Delta R.T. 0.23 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

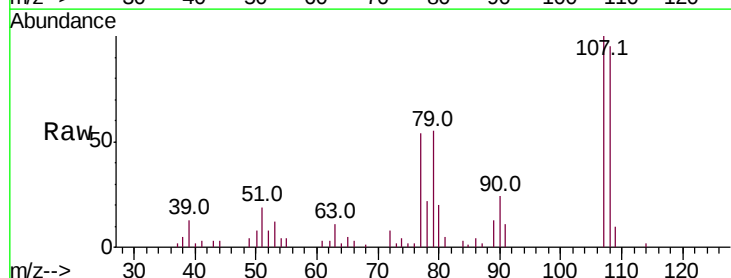
Tgt Ion: 79 Resp: 10801

Ion Ratio Lower Upper

79 100

108 173.2 56.2 84.4#

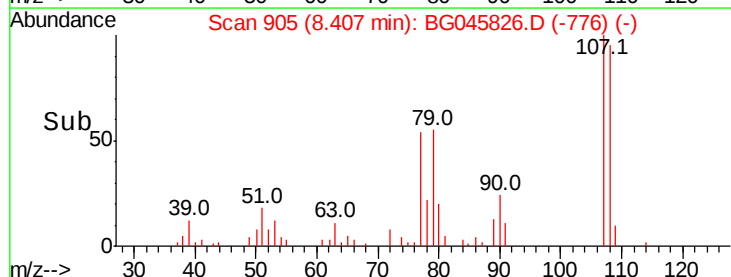
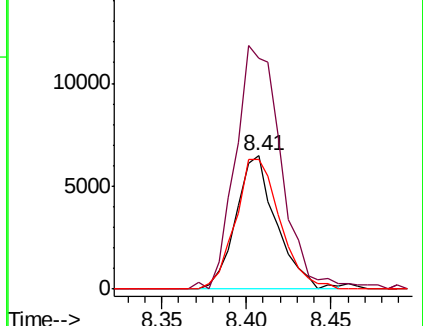
77 97.7 52.2 78.2#

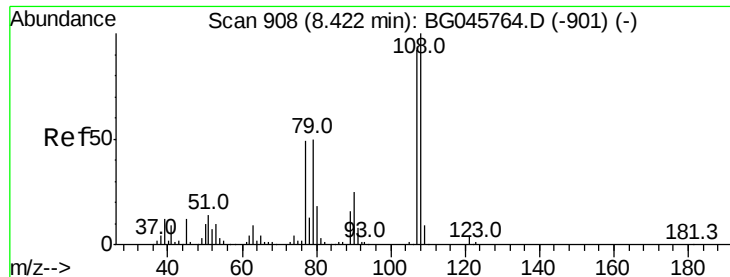


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

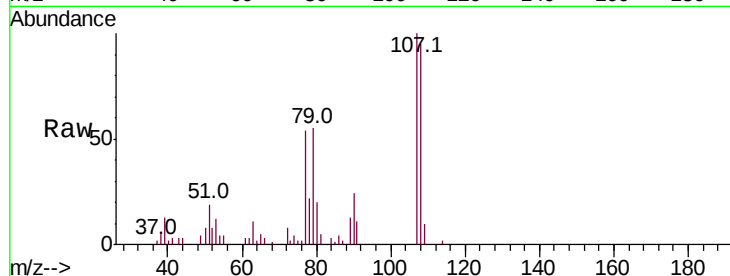




#17
2-Methylphenol
Concen: 7.589 ng
RT: 8.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BG045826.D
Acq: 22 Jun 2020 13:56

Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616DL2

Tot Ion:	107	Resp:	20977
Ion	Ratio	Lower	Upper
107	100		
108	95.2	87.4	131.0
77	53.7	42.5	63.7
79	55.0	44.0	66.0



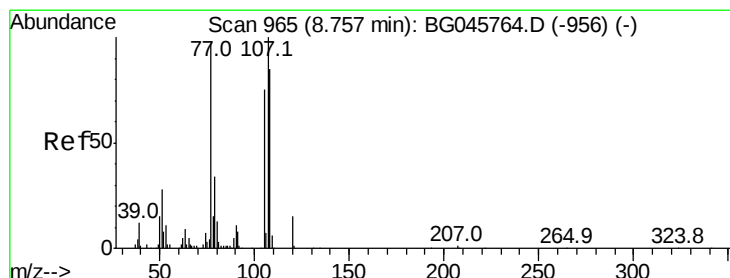
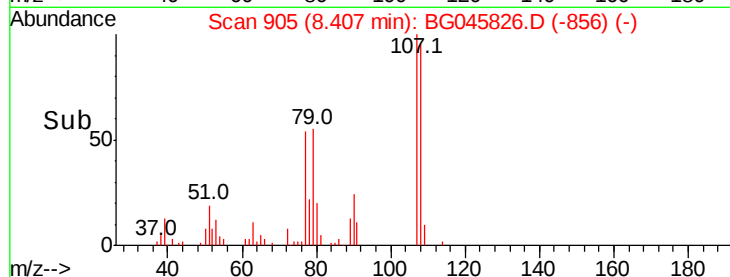
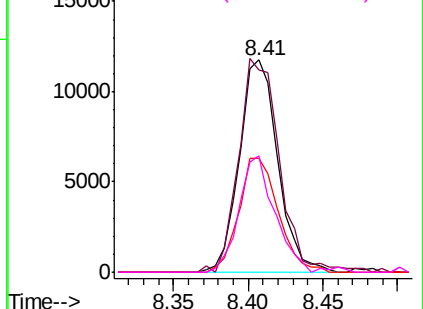
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#20
3+4-Methylphenols
Concen: 38.880 ng
RT: 8.74 min Scan# 961
Delta R.T. -0.02 min
Lab File: BG045826.D
Acq: 22 Jun 2020 13:56

Tgt Ion:	107	Resp:	141331
Ion	Ratio	Lower	Upper
107	100		
108	85.0	65.4	105.4
77	40.3	77.2	117.2#
79	33.2	14.2	54.2

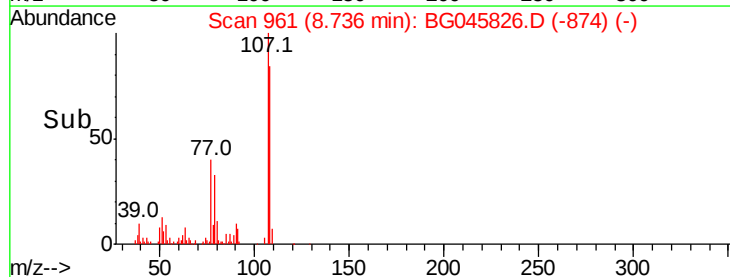
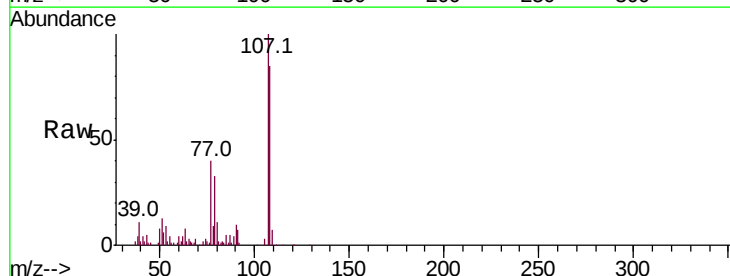
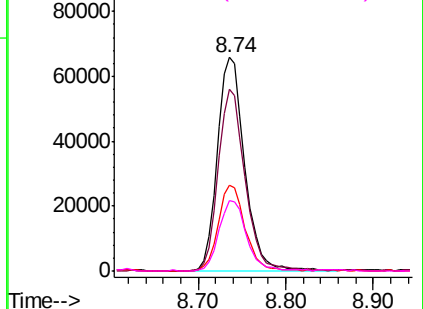
Abundance

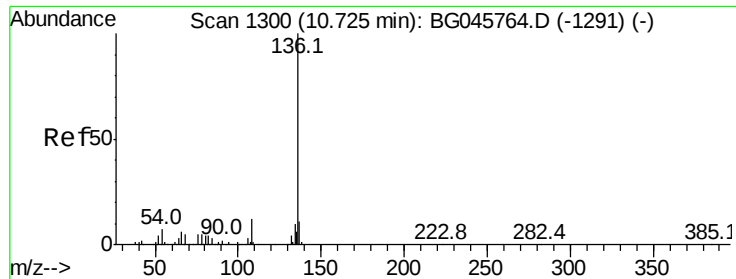
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.72 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0572-200616DL2

Tot Ion:136 Resp: 169962

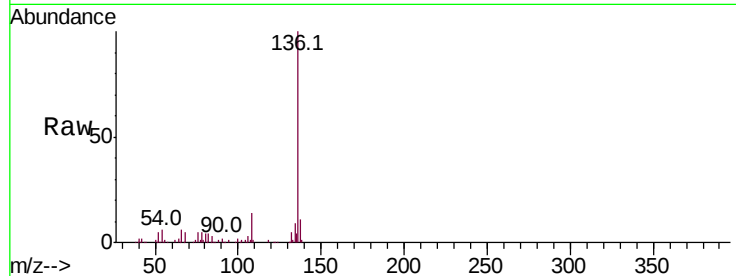
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 6.4 5.8 8.6

68 5.2 4.0 6.0

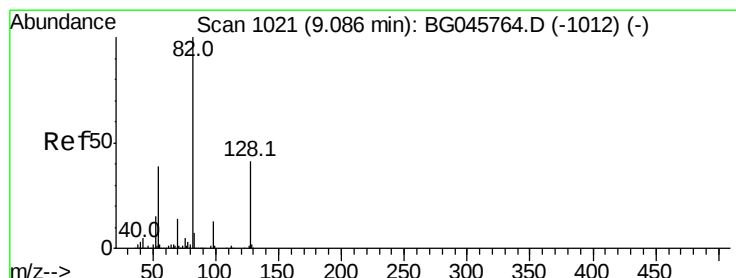
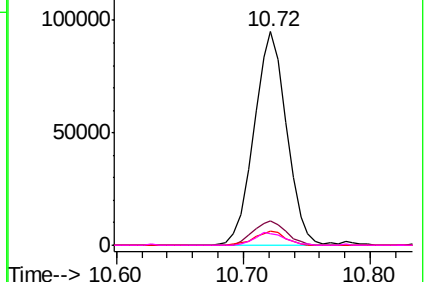
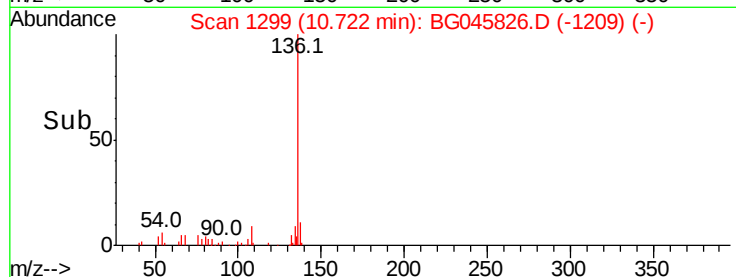


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 1.448 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

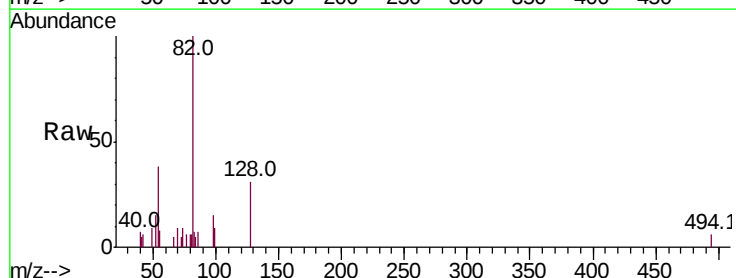
Tgt Ion: 82 Resp: 5388

Ion Ratio Lower Upper

82 100

128 30.7 32.5 48.7#

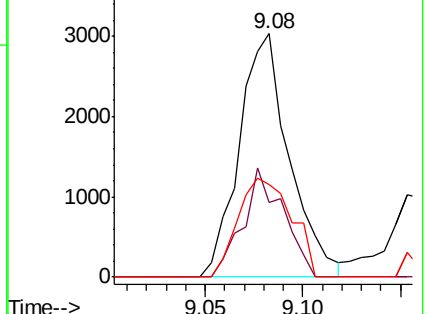
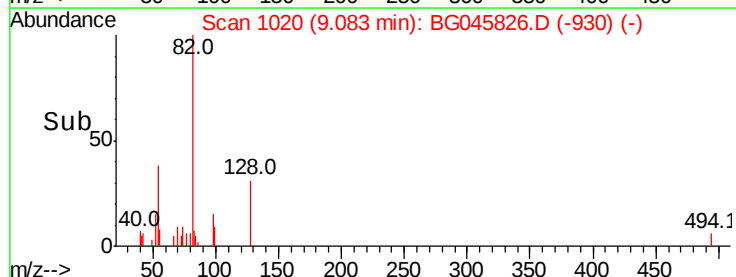
54 37.9 31.2 46.8

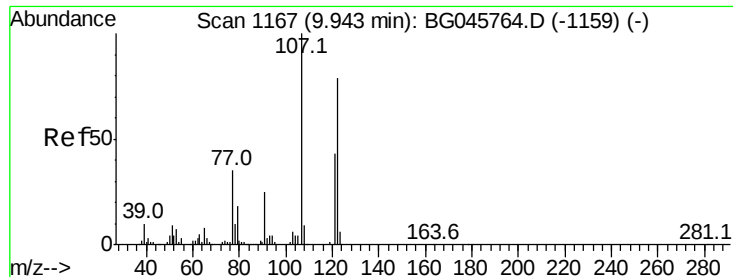


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG

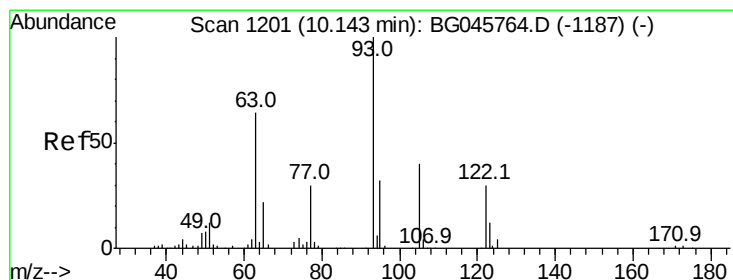
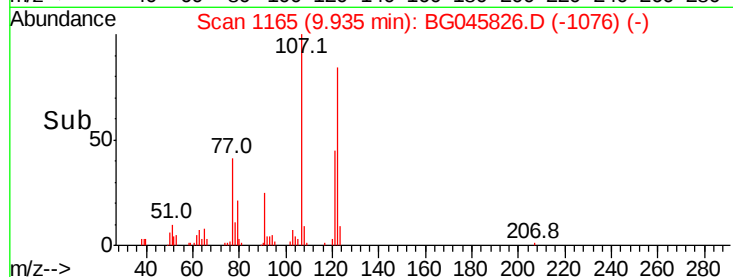
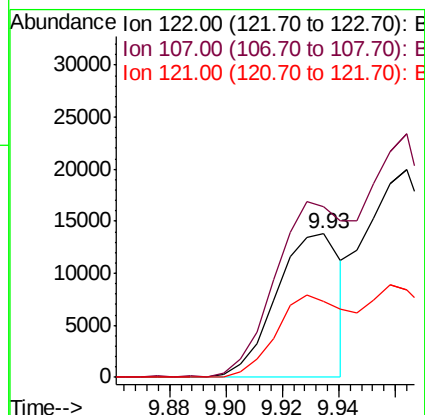
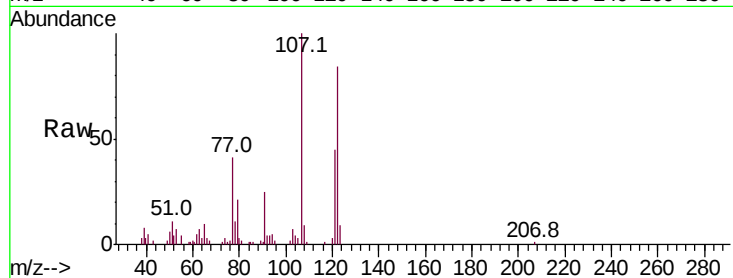




#27
2,4-Dimethylphenol
Concen: 8.699 ng
RT: 9.93 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BG045826.D
Acq: 22 Jun 2020 13:56

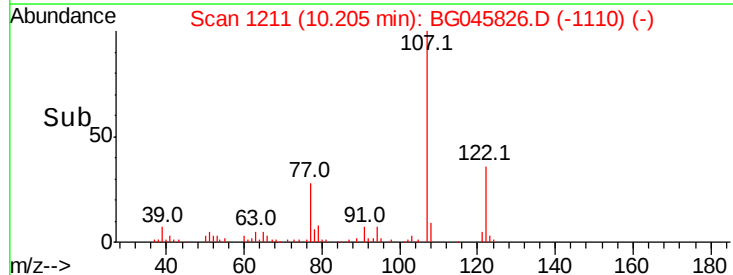
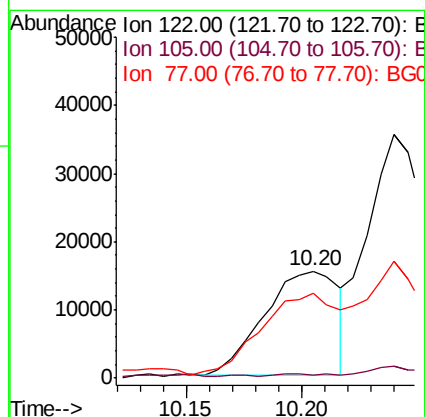
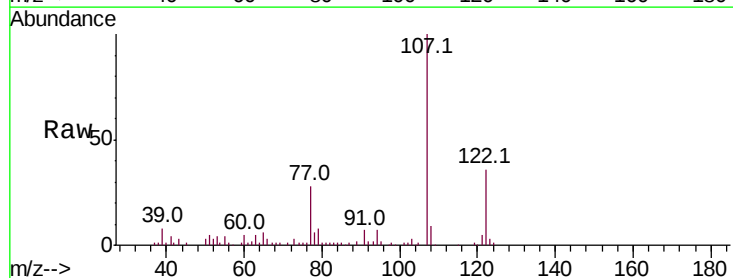
Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616DL2

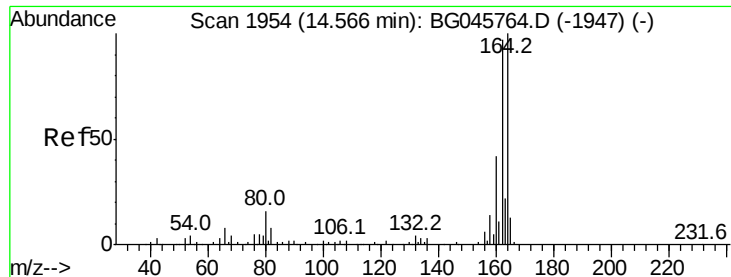
Tot Ion:122 Resp: 21949
Ion Ratio Lower Upper
122 100
107 119.1 101.3 151.9
121 53.1 43.9 65.9



#32
Benzoic acid
Concen: 25.894 ng
RT: 10.20 min Scan# 1211
Delta R.T. 0.06 min
Lab File: BG045826.D
Acq: 22 Jun 2020 13:56

Tgt Ion:122 Resp: 34051
Ion Ratio Lower Upper
122 100
105 2.9 112.9 152.9#
77 79.1 79.2 119.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0572-200616DL2

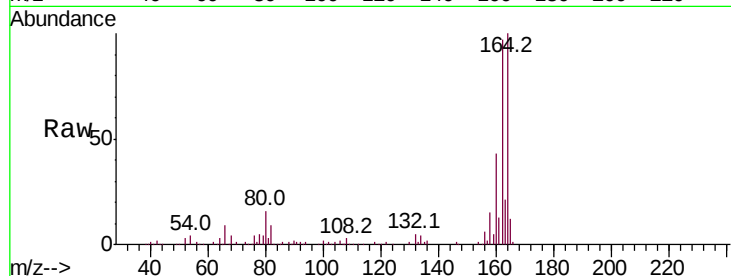
Tot Ion:164 Resp: 132155

Ion Ratio Lower Upper

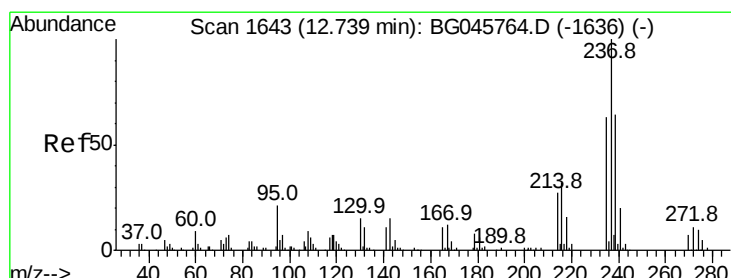
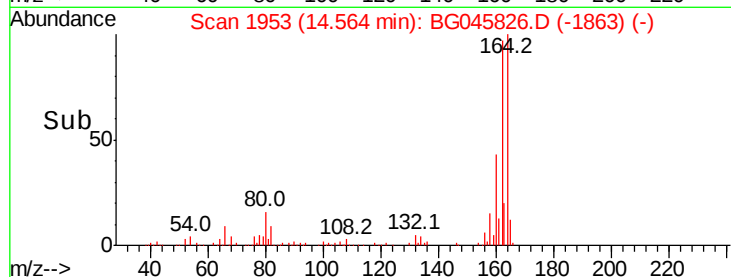
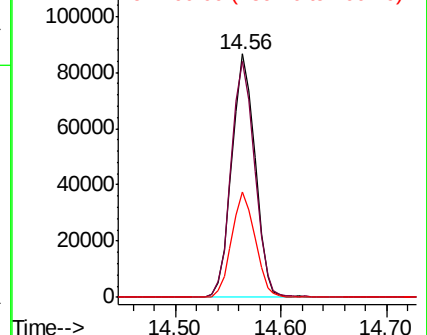
164 100

162 96.7 77.4 116.0

160 43.3 33.3 49.9



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



#41

Hexachlorocyclopentadiene

Concen: 8.439 ng

RT: 12.33 min Scan# 1572

Delta R.T. -0.41 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

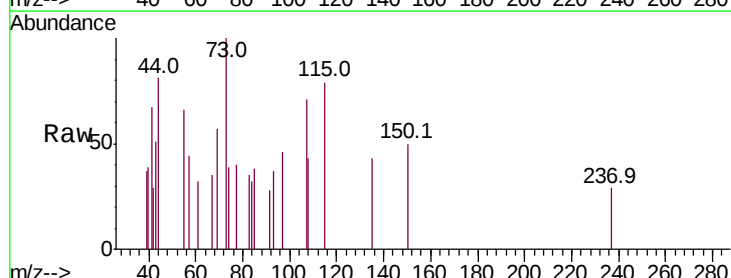
Tgt Ion:237 Resp: 55

Ion Ratio Lower Upper

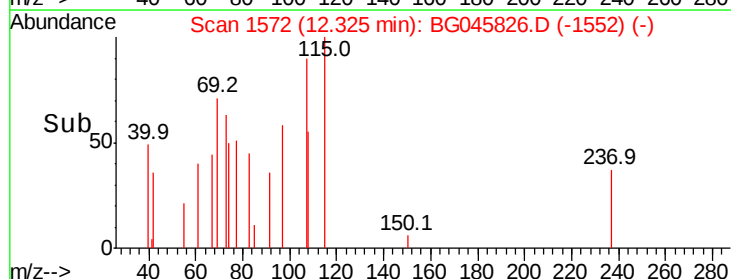
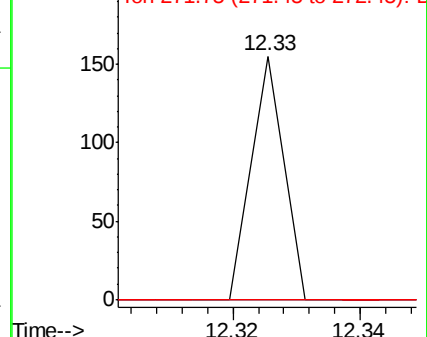
237 100

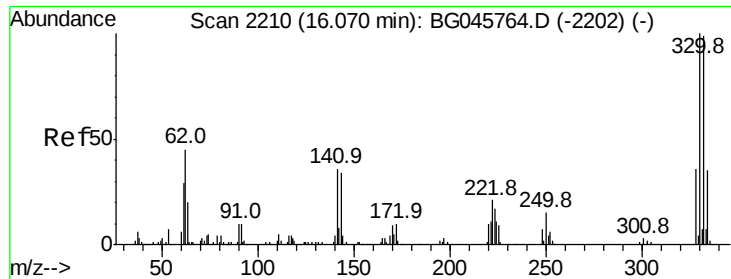
235 0.0 42.9 82.9#

272 0.0 0.0 30.9



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





#42

2,4,6-Tribromophenol

Concen: 2.122 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0572-200616DL2

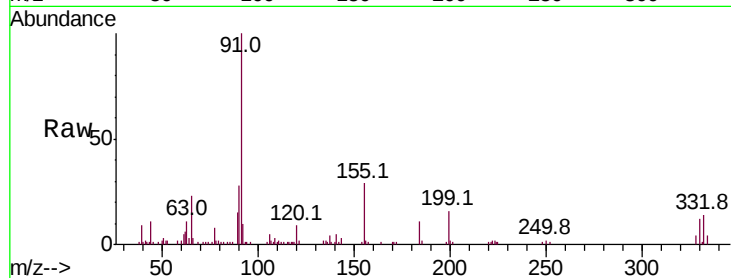
Tot Ion:330 Resp: 4234

Ion Ratio Lower Upper

330 100

332 108.1 78.6 117.8

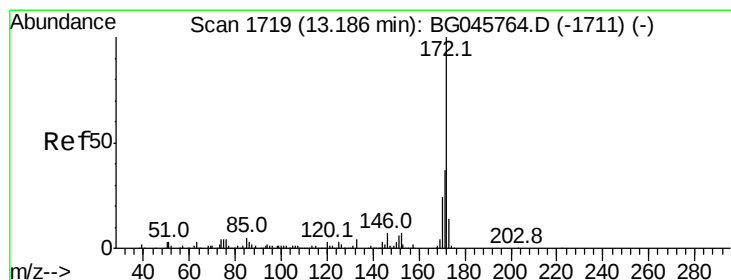
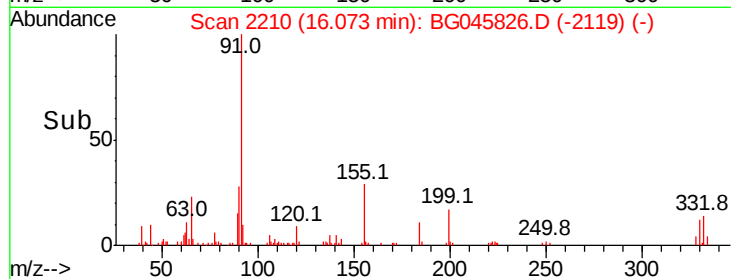
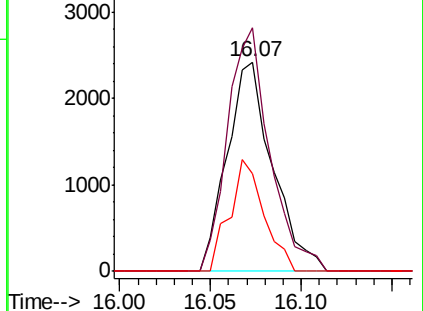
141 40.2 28.2 42.4



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: 1.642 ng

RT: 13.18 min Scan# 1718

Delta R.T. -0.00 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

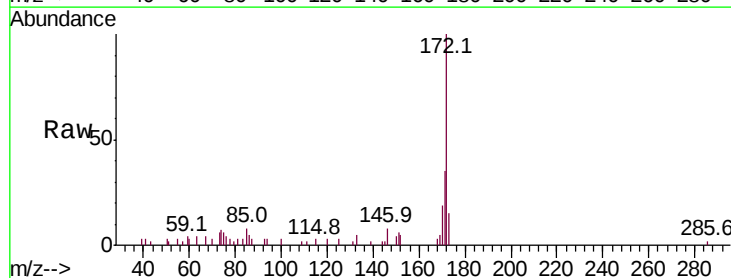
Tgt Ion:172 Resp: 14762

Ion Ratio Lower Upper

172 100

171 35.1 29.9 44.9

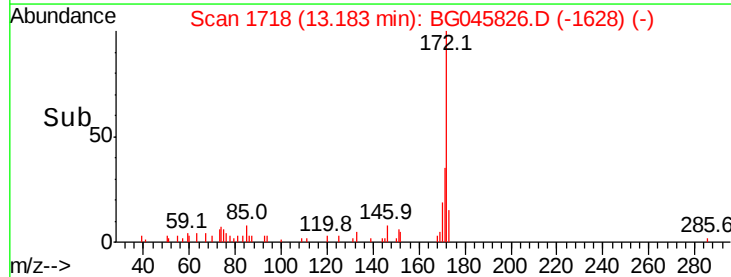
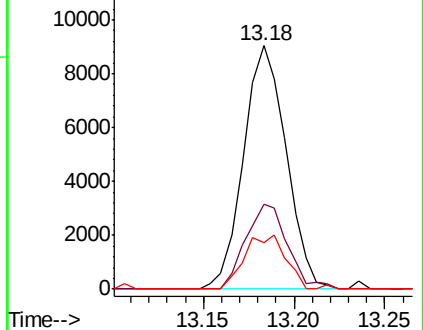
170 19.0 19.3 28.9#

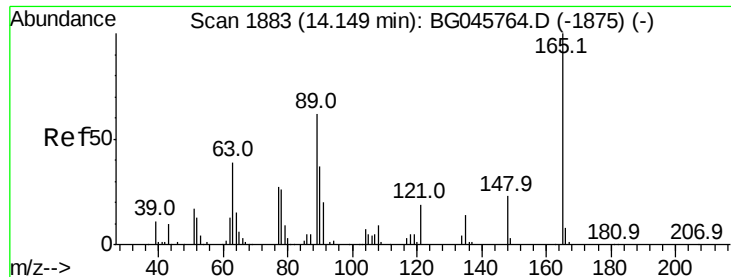


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

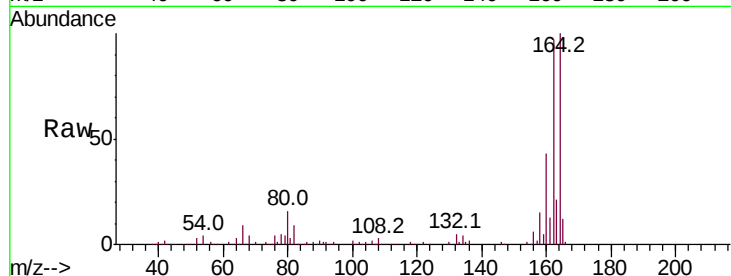




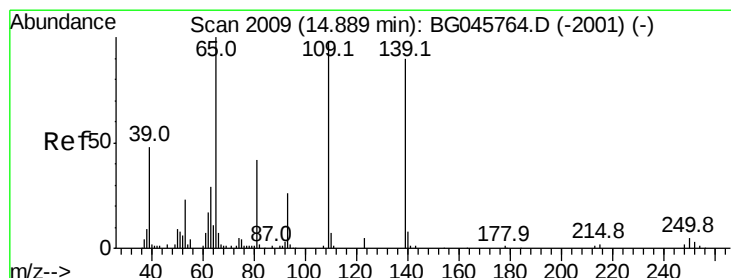
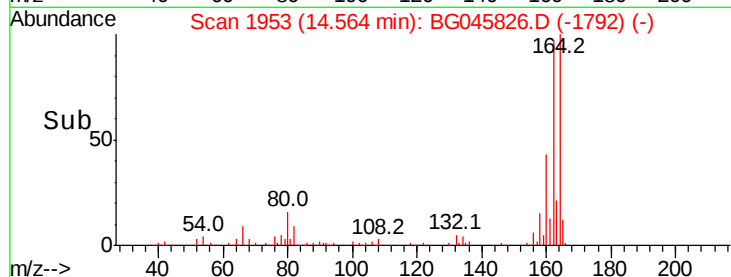
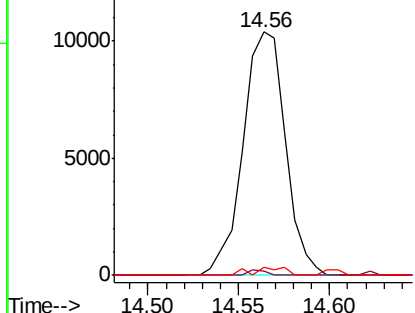
#51
 2,6-Dinitrotoluene
 Concen: 7.299 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.41 min
 Lab File: BG045826.D
 Acq: 22 Jun 2020 13:56

Instrument :
 BNA_G
 ClientSampleId :
 Z1-DUP-0572-200616DL2

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.2	61.8#
89	3.5	49.7	74.5#

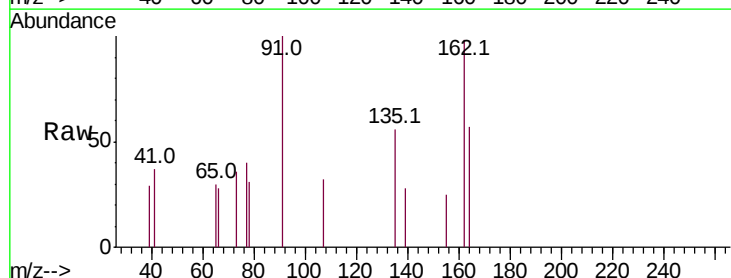


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

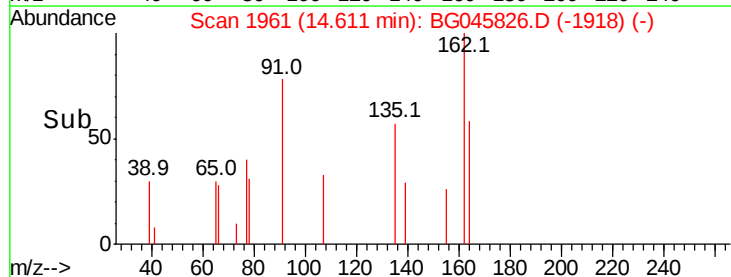
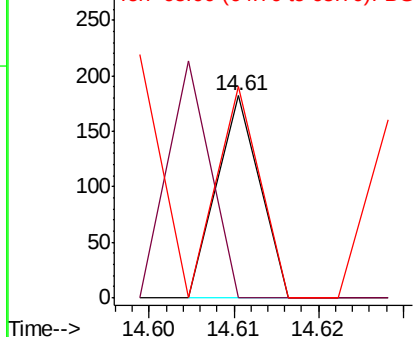


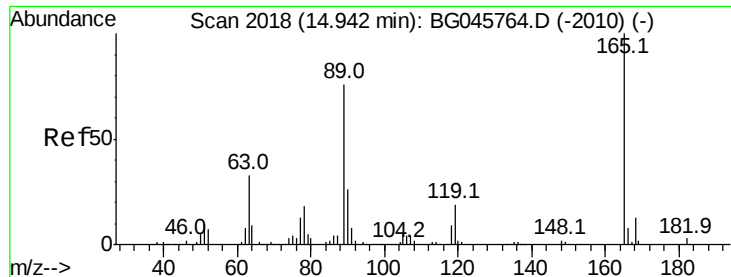
#56
 4-Nitrophenol
 Concen: 4.010 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. -0.28 min
 Lab File: BG045826.D
 Acq: 22 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	88.9	128.9#
65	104.4	92.3	132.3



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): BGC

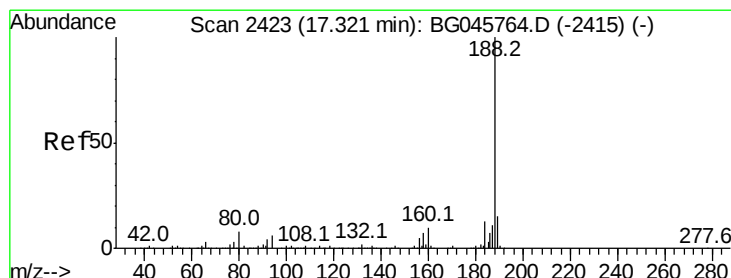
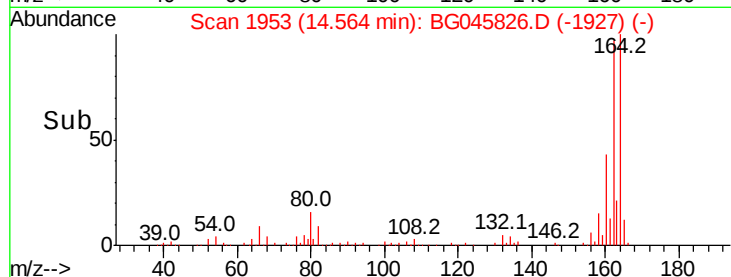
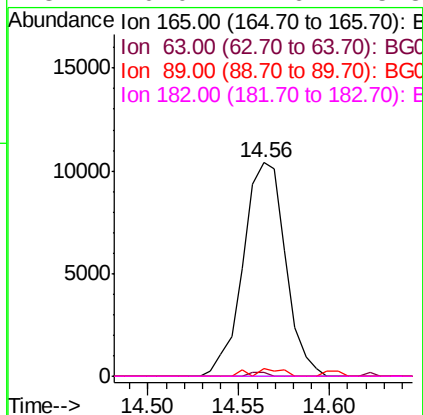
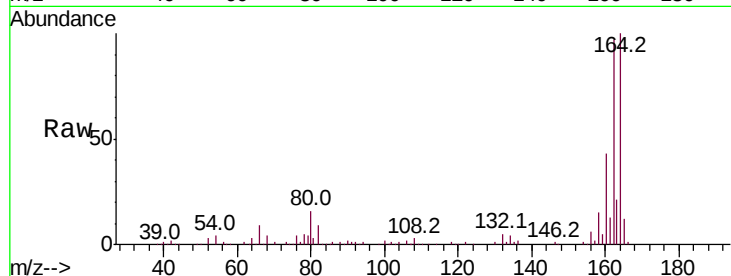




#57
 2,4-Dinitrotoluene
 Concen: 5.094 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.38 min
 Lab File: BG045826.D
 Acq: 22 Jun 2020 13:56

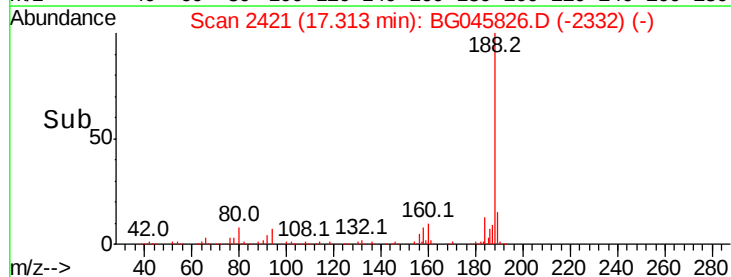
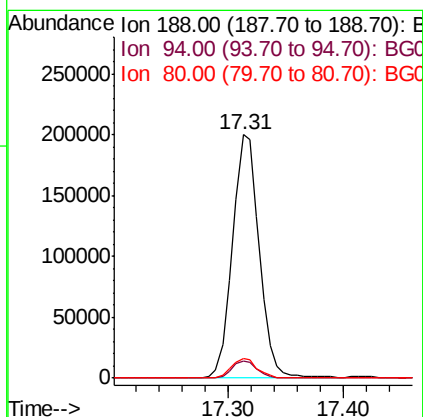
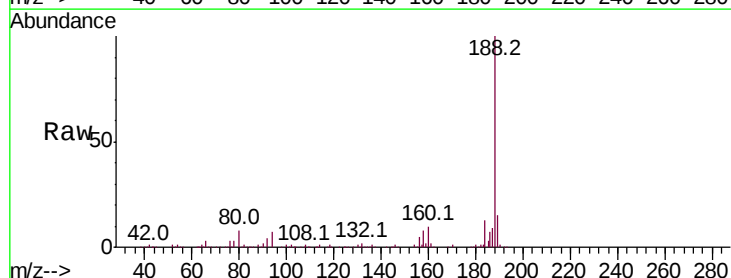
Instrument :
 BNA_G
 ClientSampleId :
 Z1-DUP-0572-200616DL2

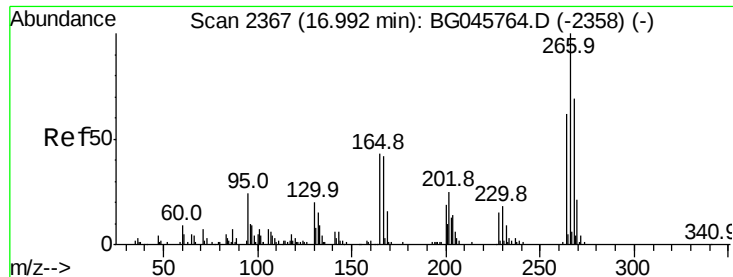
Tot Ion:165	Resp:	16973
Ion Ratio	Lower	Upper
165	100	
63	1.7	33.8 50.8#
89	3.5	60.4 90.6#
182	0.0	2.6 3.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2421
 Delta R.T. -0.01 min
 Lab File: BG045826.D
 Acq: 22 Jun 2020 13:56

Tgt Ion:188	Resp:	320580
Ion Ratio	Lower	Upper
188	100	
94	6.9	5.1 7.7
80	8.3	6.2 9.4





#70

Pentachlorophenol

Concen: 7.659 ng

RT: 17.05 min Scan# 2377

Delta R.T. 0.06 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0572-200616DL2

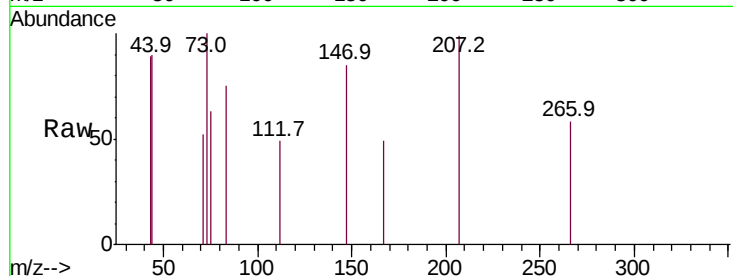
Tot Ion:266 Resp: 63

Ion Ratio Lower Upper

266 100

268 0.0 55.4 83.0#

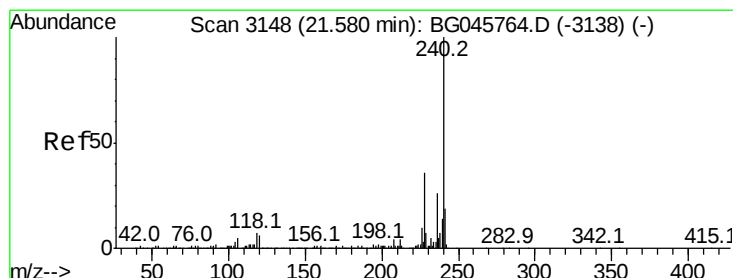
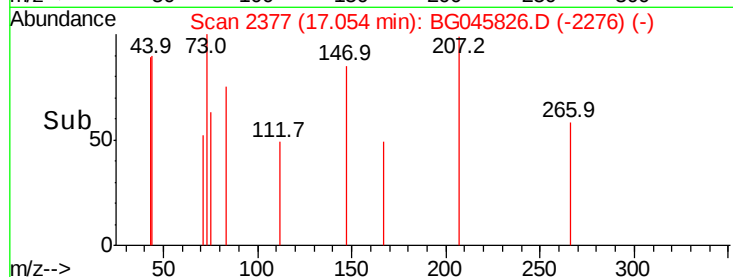
264 0.0 49.8 74.6#



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

17.05

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

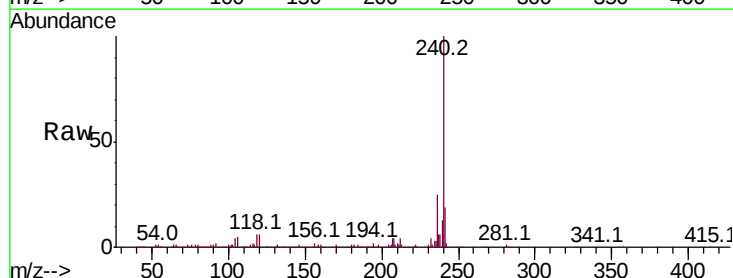
Tgt Ion:240 Resp: 335967

Ion Ratio Lower Upper

240 100

120 6.2 5.0 7.4

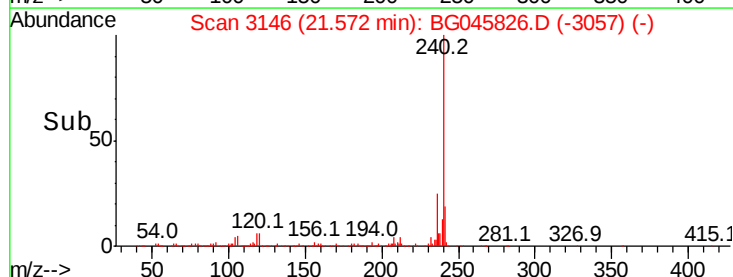
236 25.0 20.6 30.8

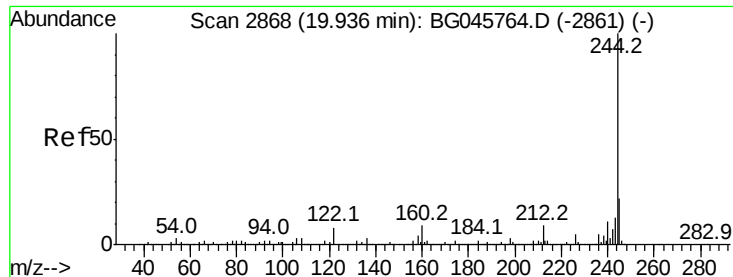


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

21.57

Time-->





#79

Terphenyl-d14

Concen: 1.728 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0572-200616DL2

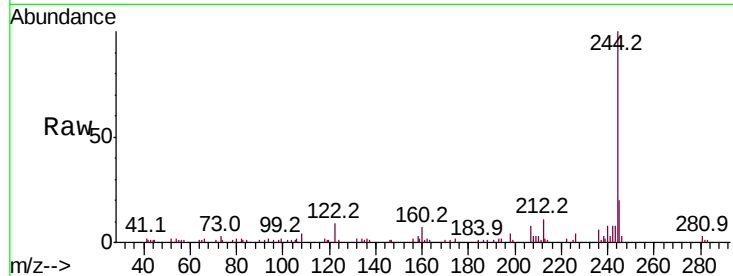
Tot Ion:244 Resp: 28652

Ion Ratio Lower Upper

244 100

212 10.5 7.2 10.8

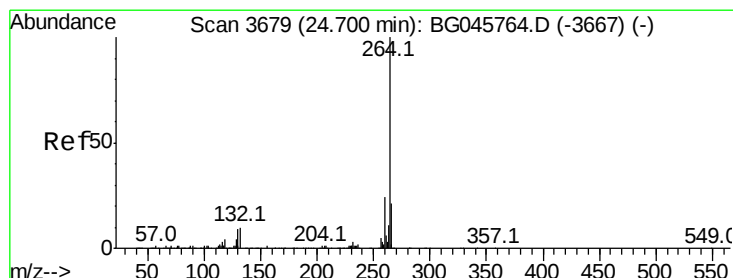
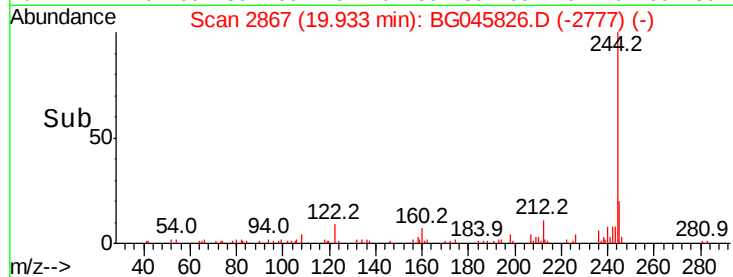
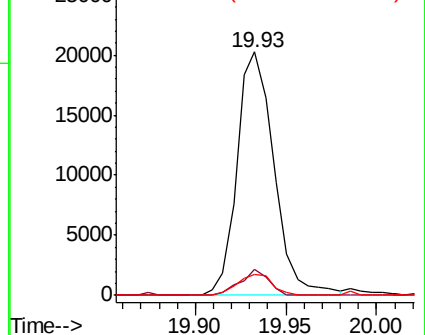
122 8.8 6.4 9.6



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: 24.70 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BG045826.D

Acq: 22 Jun 2020 13:56

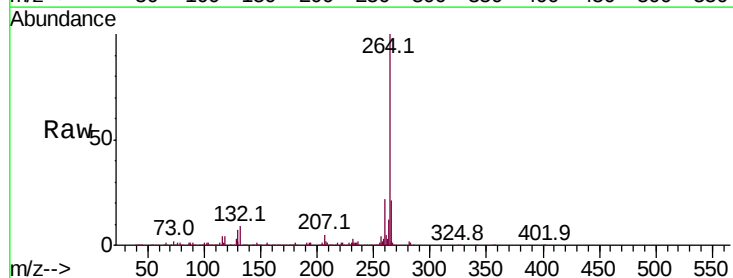
Tgt Ion:264 Resp: 350073

Ion Ratio Lower Upper

264 100

260 22.0 19.0 28.4

265 20.7 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

