

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100721\
 Data File : BG050482.D
 Acq On : 7 Oct 2021 14:02
 Operator : CG/JU
 Sample : M4077-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CC-37

Quant Time: Oct 07 17:30:47 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 15:51:01 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

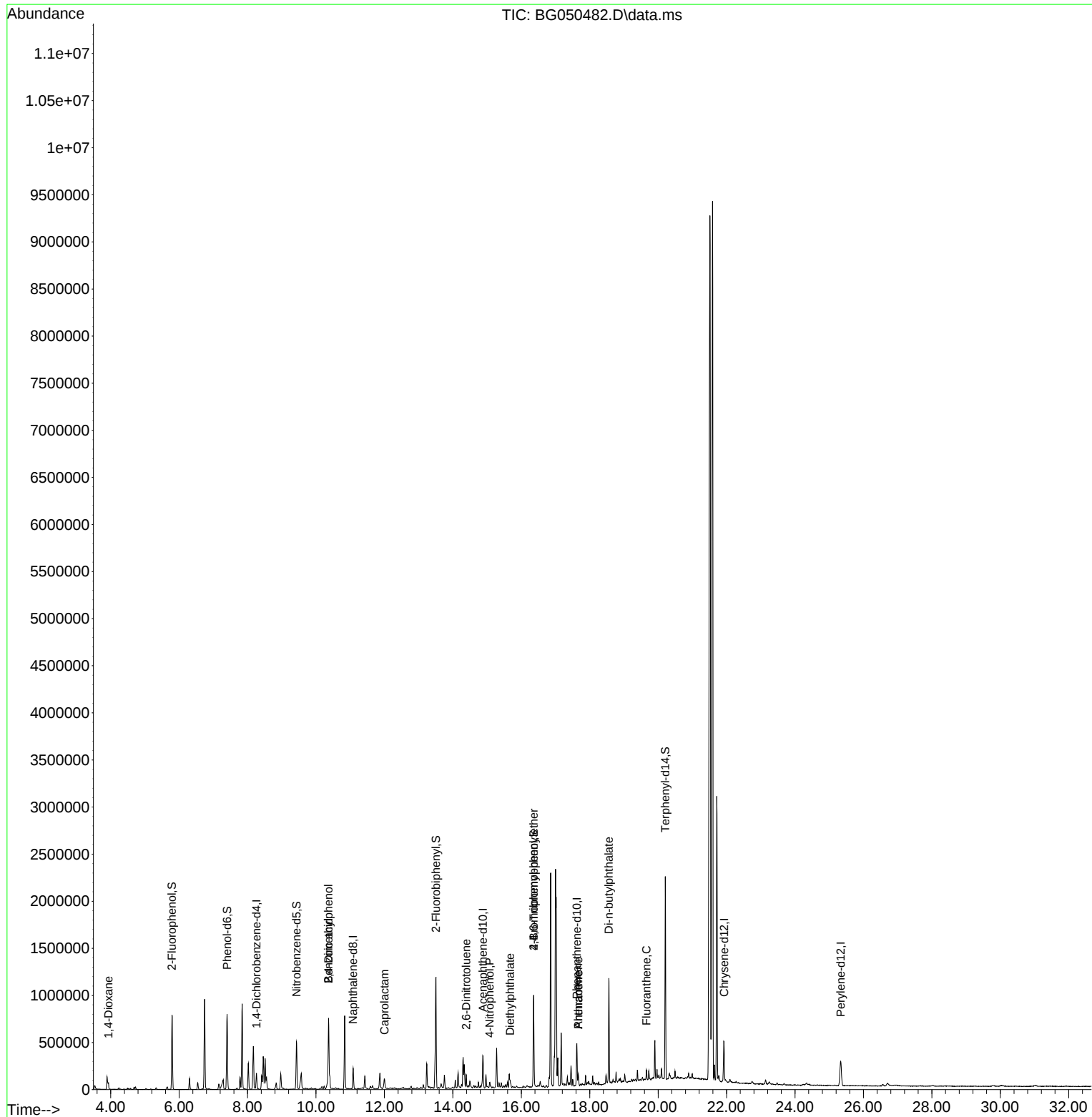
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.259	152	42665	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	179869	20.000	ng	# 0.00
39) Acenaphthene-d10	14.881	164	123668	20.000	ng	0.00
64) Phenanthrene-d10	17.624	188	273511	20.000	ng	# 0.00
76) Chrysene-d12	21.925	240	268549	20.000	ng	# 0.00
86) Perylene-d12	25.333	264	277922	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	340906	119.498	ng	0.00
7) Phenol-d6	7.401	99	468124	113.337	ng	0.00
23) Nitrobenzene-d5	9.428	82	325564	74.927	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	136953	116.104	ng	0.00
45) 2-Fluorobiphenyl	13.506	172	578475	70.400	ng	0.00
79) Terphenyl-d14	20.210	244	955740	69.357	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.935	88	3648	2.469	ng	# 28
9) Benzaldehyde	7.389	77	709	Below Cal		# 10
27) 2,4-Dimethylphenol	10.362	122	63048	23.003	ng	# 1
32) Benzoic acid	10.362	122	63048	30.995	ng	# 69
35) Caprolactam	12.002	113	19159	17.920	ng	# 52
51) 2,6-Dinitrotoluene	14.387	165	18446	9.852	ng	# 16
56) 4-Nitrophenol	15.074	139	12984	7.288	ng	# 77
60) Diethylphthalate	15.674	149	39480	4.020	ng	# 92
67) 4-Bromophenyl-phenylether	16.361	248	11538	4.186	ng	# 1
71) Phenanthrene	17.666	178	75408	5.232	ng	98
72) Anthracene	17.666	178	75408	5.265	ng	98
74) Di-n-butylphthalate	18.559	149	788927	47.095	ng	97
75) Fluoranthene	19.657	202	68072	3.842	ng	95

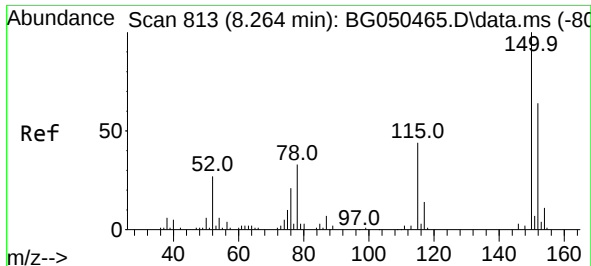
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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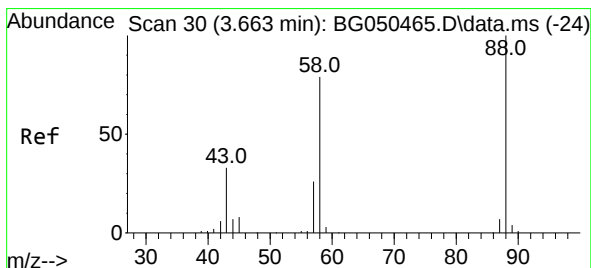
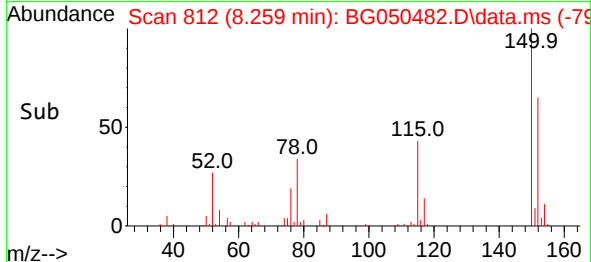
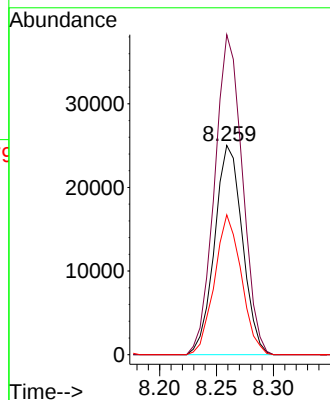
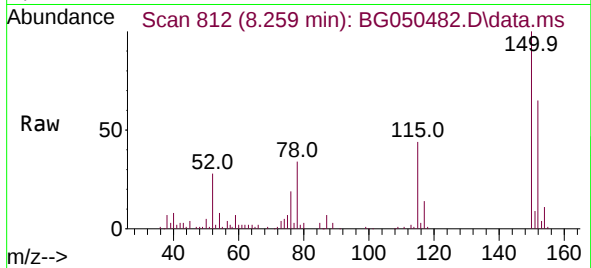




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 812
Delta R.T. -0.005 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

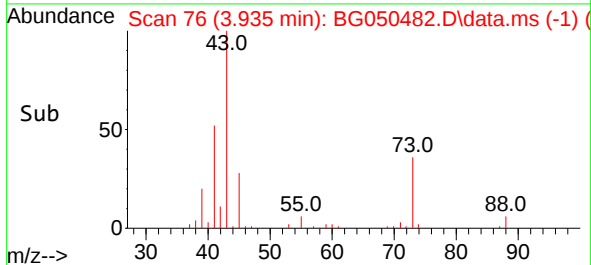
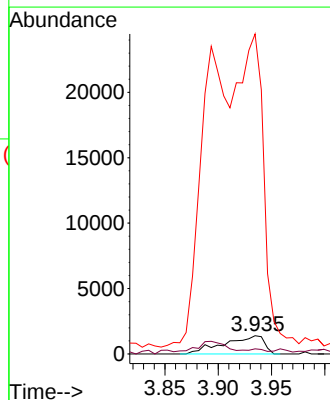
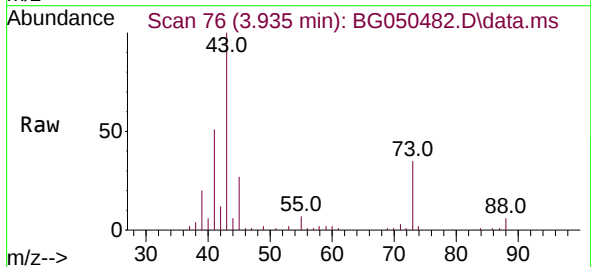
Instrument :
BNA_G
ClientSampled :
CC-37

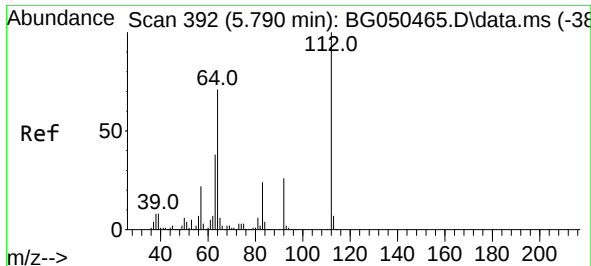
Tgt Ion:152 Resp: 42665
Ion Ratio Lower Upper
152 100
150 152.9 119.4 179.0
115 66.8 60.2 90.4



#2
1,4-Dioxane
Concen: 2.469 ng
RT: 3.935 min Scan# 76
Delta R.T. 0.271 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion: 88 Resp: 3648
Ion Ratio Lower Upper
88 100
58 6.5 55.7 83.5#
43 0.0 29.3 43.9#

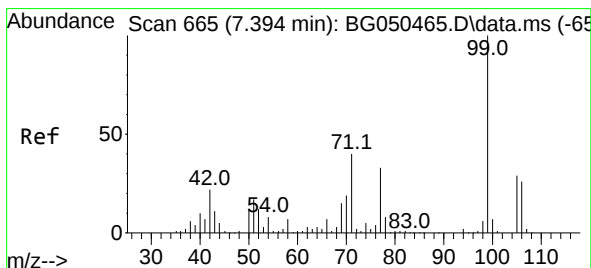
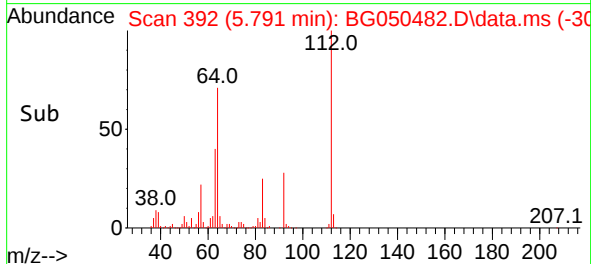
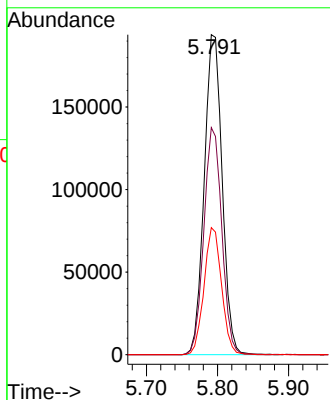
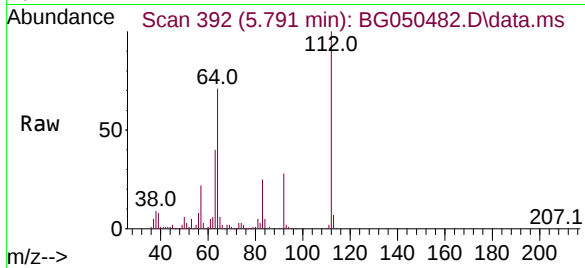




#5
2-Fluorophenol
Concen: 119.498 ng
RT: 5.791 min Scan# 392
Delta R.T. 0.001 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

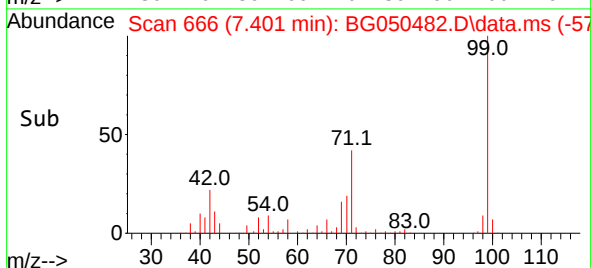
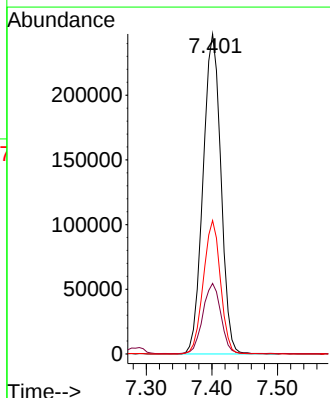
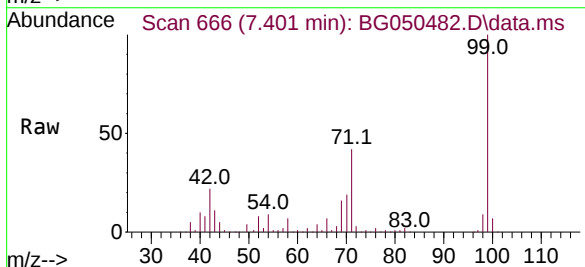
Instrument :
BNA_G
ClientSampleId :
CC-37

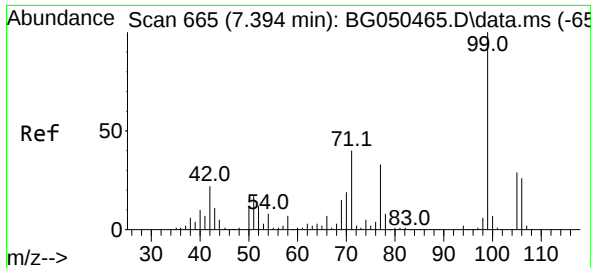
Tgt Ion:112 Resp: 340906
Ion Ratio Lower Upper
112 100
64 70.9 46.7 70.1#
63 39.7 35.3 52.9



#7
Phenol-d6
Concen: 113.337 ng
RT: 7.401 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion: 99 Resp: 468124
Ion Ratio Lower Upper
99 100
42 22.0 20.5 30.7
71 41.7 41.5 62.3

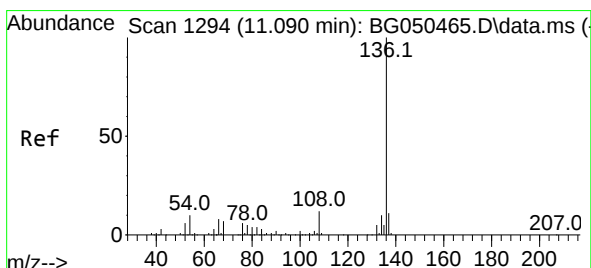
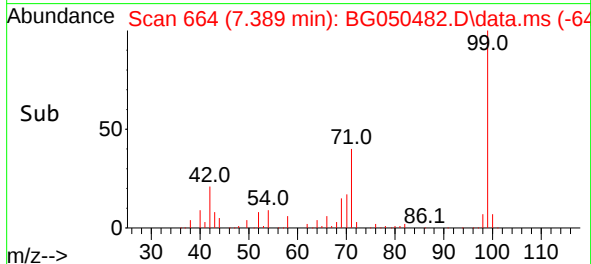
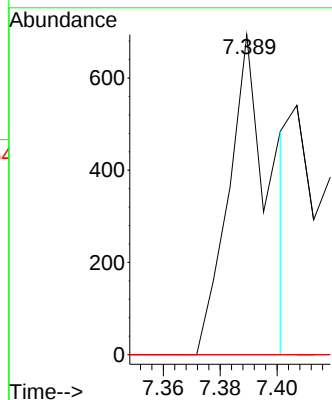
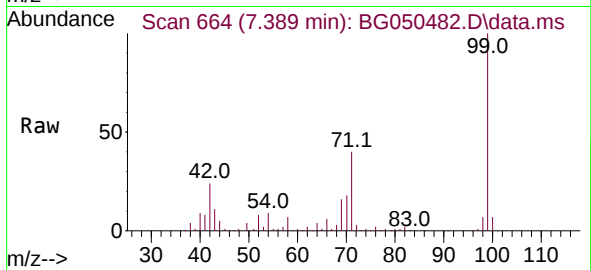




#9
Benzaldehyde
Concen: Below Cal
RT: 7.389 min Scan# 664
Delta R.T. -0.005 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

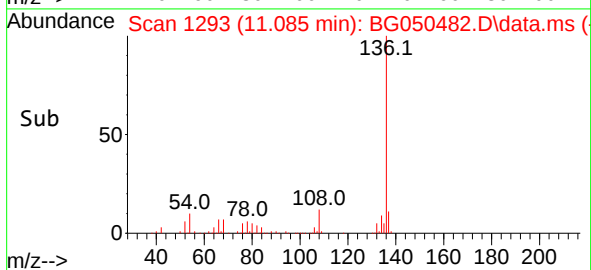
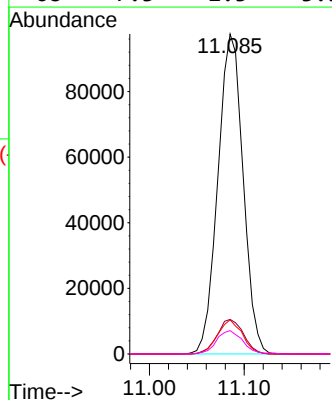
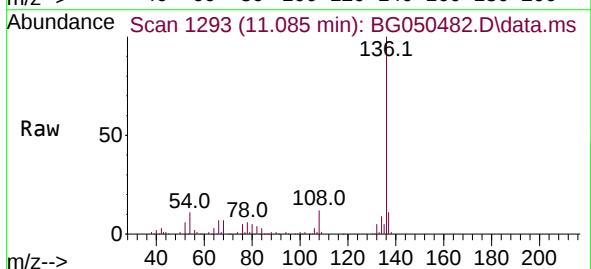
Instrument :
BNA_G
ClientSampled :
CC-37

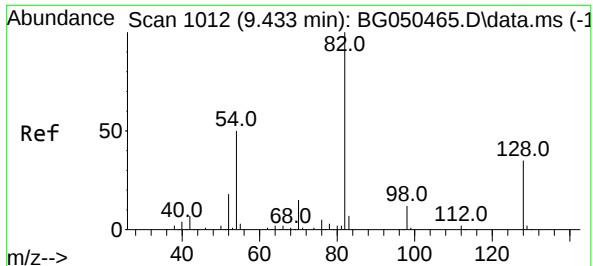
Tgt Ion: 77 Resp: 709
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 1293
Delta R.T. -0.005 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion:136 Resp: 179869
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.2
54 10.7 5.5 8.3#
68 7.3 2.3 3.5#

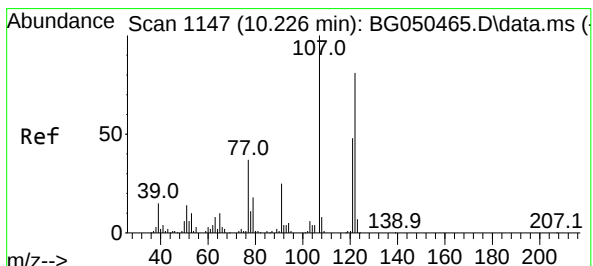
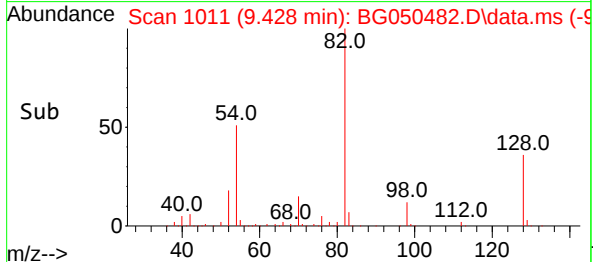
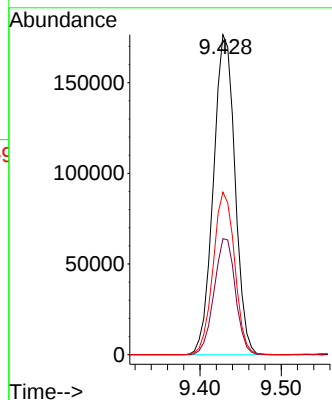
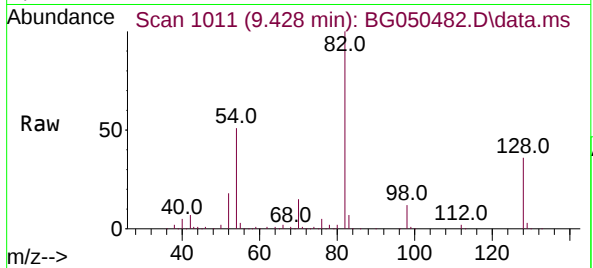




#23
Nitrobenzene-d5
Concen: 74.927 ng
RT: 9.428 min Scan# 1011
Delta R.T. -0.005 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

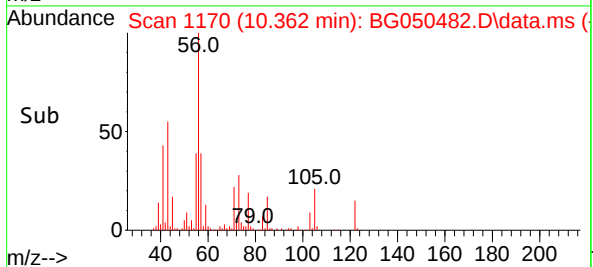
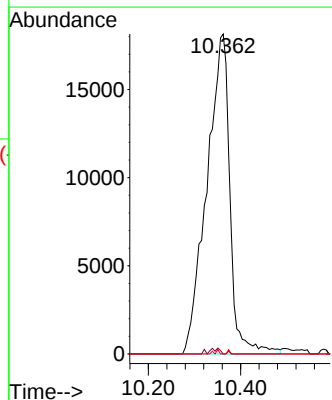
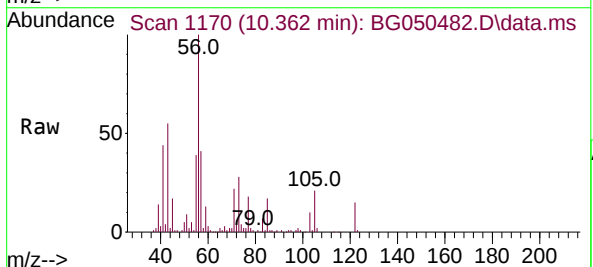
Instrument :
BNA_G
ClientSampleId :
CC-37

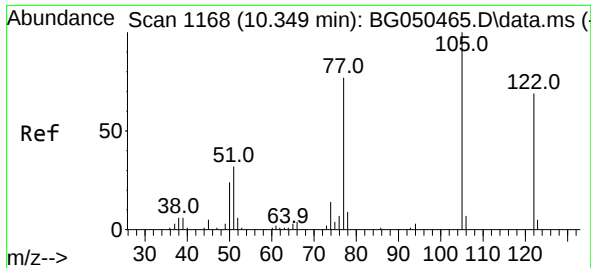
Tgt Ion: 82 Resp: 325564
Ion Ratio Lower Upper
82 100
128 36.3 29.8 44.6
54 50.8 45.8 68.8



#27
2,4-Dimethylphenol
Concen: 23.003 ng
RT: 10.362 min Scan# 1170
Delta R.T. 0.136 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion:122 Resp: 63048
Ion Ratio Lower Upper
122 100
107 0.0 110.1 165.1#
121 0.0 49.0 73.6#

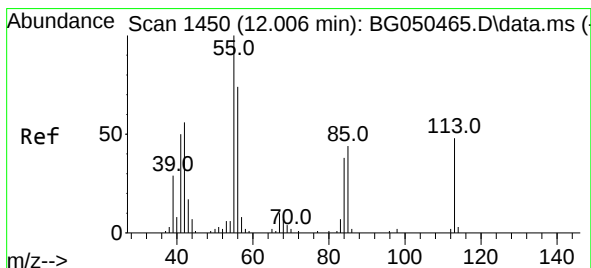
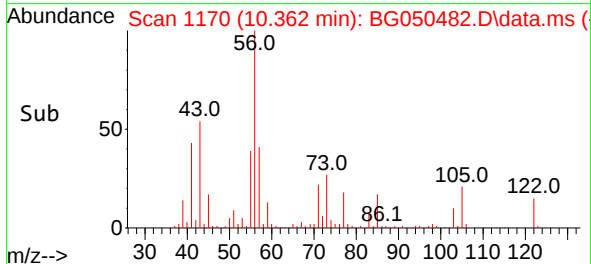
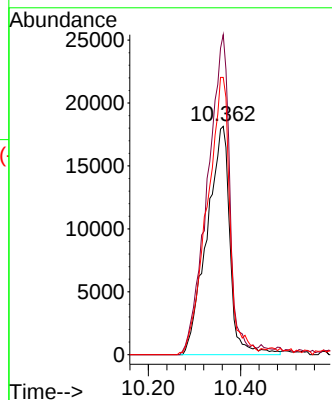
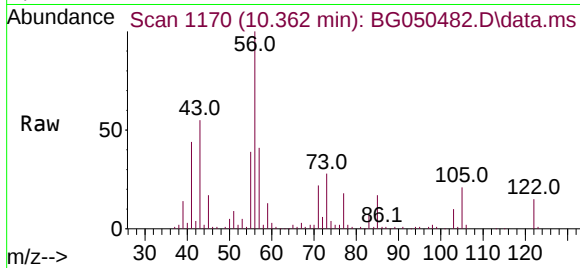




#32
Benzoic acid
Concen: 30.995 ng
RT: 10.362 min Scan# 1170
Delta R.T. 0.013 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

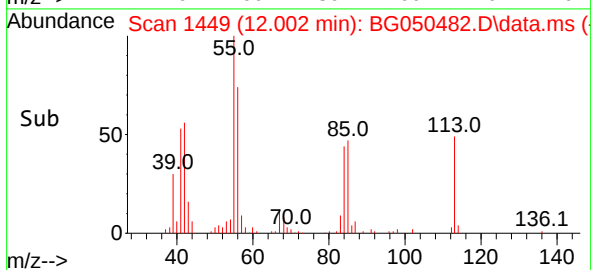
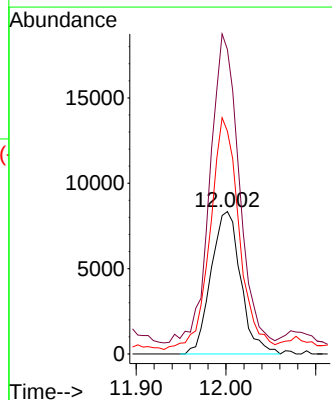
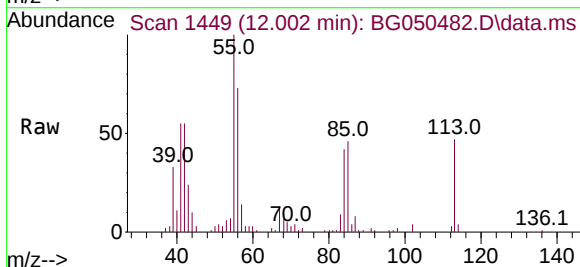
Instrument :
BNA_G
ClientSampleId :
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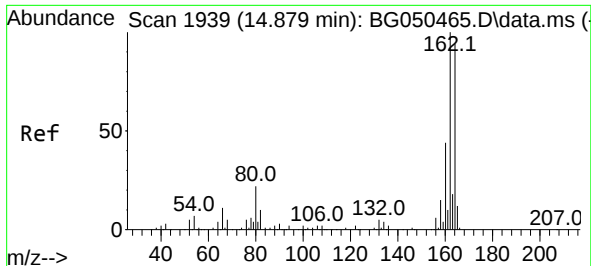
Tgt Ion:122 Resp: 63048
Ion Ratio Lower Upper
122 100
105 140.1 92.3 132.3#
77 121.4 66.5 106.5#



#35
Caprolactam
Concen: 17.920 ng
RT: 12.002 min Scan# 1449
Delta R.T. -0.005 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion:113 Resp: 19159
Ion Ratio Lower Upper
113 100
55 213.7 113.8 153.8#
56 156.4 105.6 145.6#

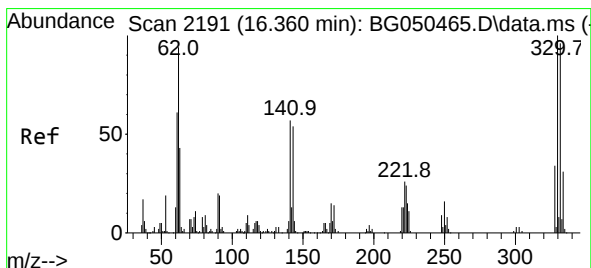
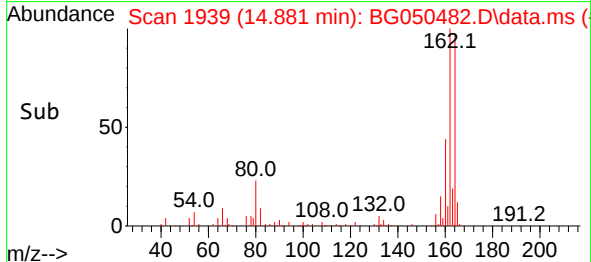
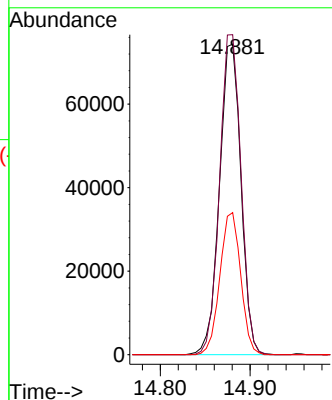
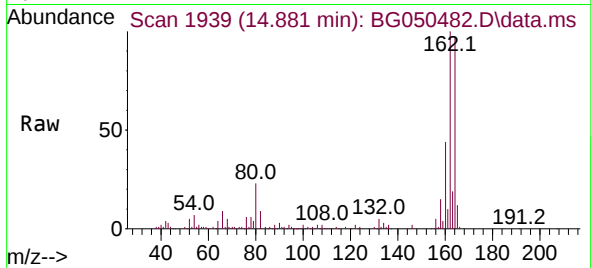




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.881 min Scan# 1939
Delta R.T. 0.001 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

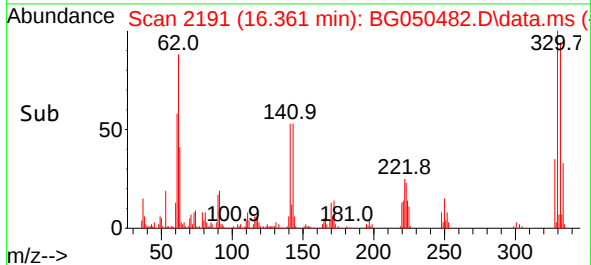
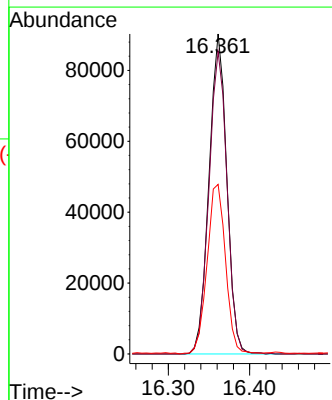
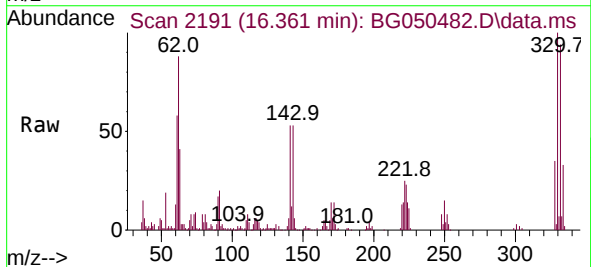
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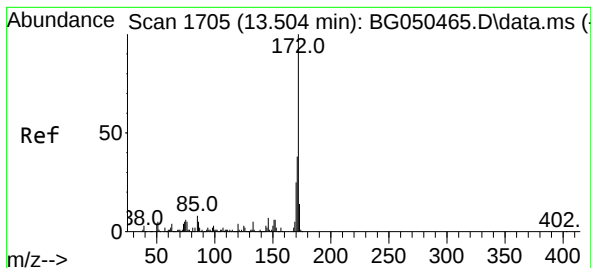
Tgt Ion:164 Resp: 123668
Ion Ratio Lower Upper
164 100
162 103.0 81.4 122.0
160 45.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 116.104 ng
RT: 16.361 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion:330 Resp: 136953
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 55.2 35.6 53.4#

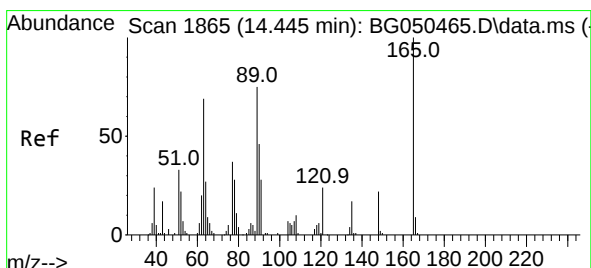
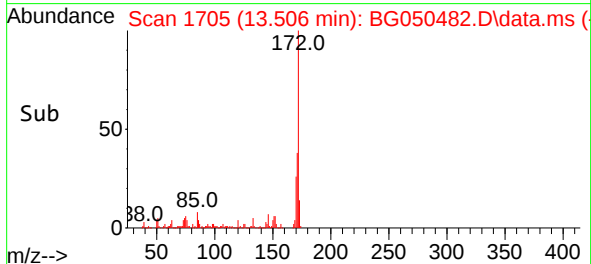
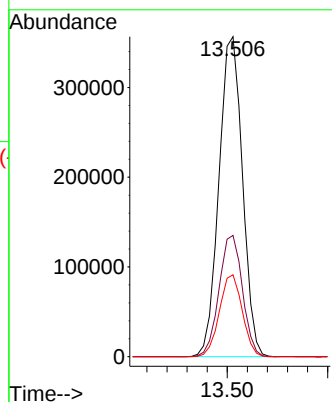
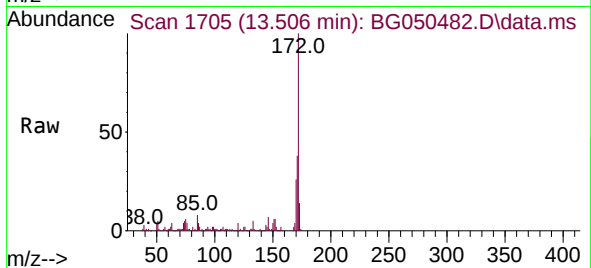




#45
2-Fluorobiphenyl
Concen: 70.400 ng
RT: 13.506 min Scan# 1705
Delta R.T. 0.001 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

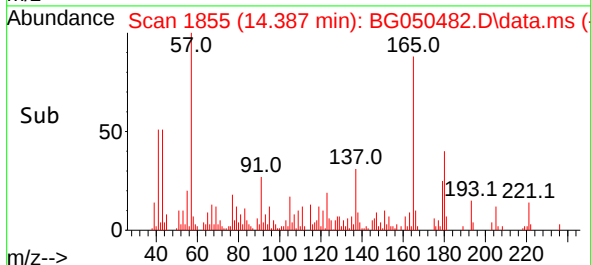
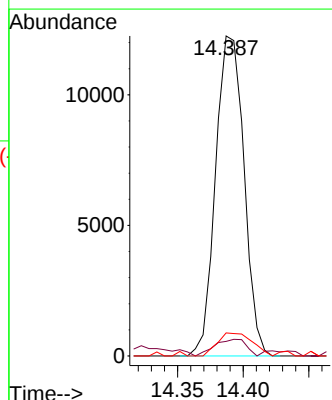
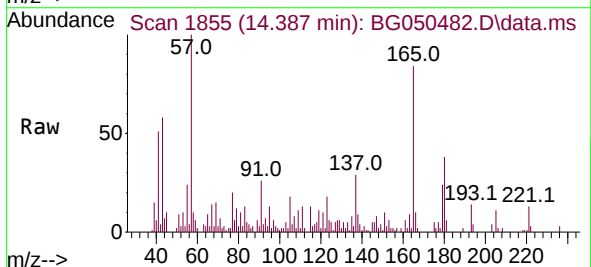
Instrument :
BNA_G
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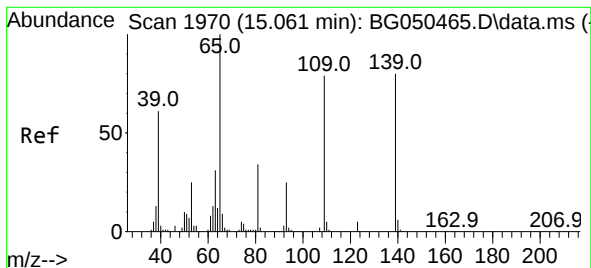
Tgt Ion:172 Resp: 578475
Ion Ratio Lower Upper
172 100
171 37.9 28.6 43.0
170 25.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.852 ng
RT: 14.387 min Scan# 1855
Delta R.T. -0.058 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion:165 Resp: 18446
Ion Ratio Lower Upper
165 100
63 4.5 63.3 94.9#
89 7.2 63.4 95.0#

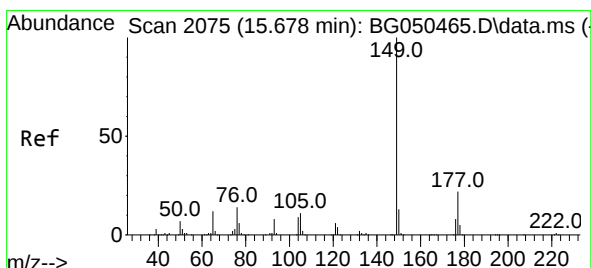
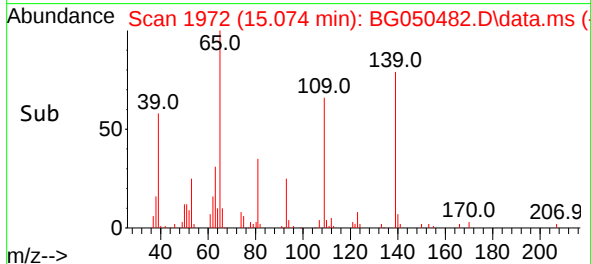
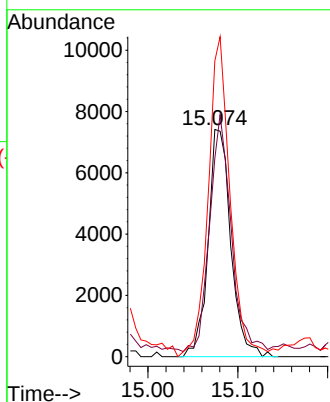
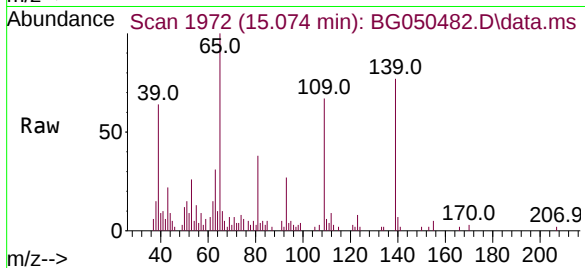




#56
4-Nitrophenol
Concen: 7.288 ng
RT: 15.074 min Scan# 1972
Delta R.T. 0.013 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

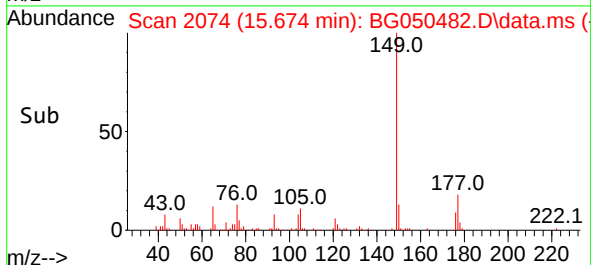
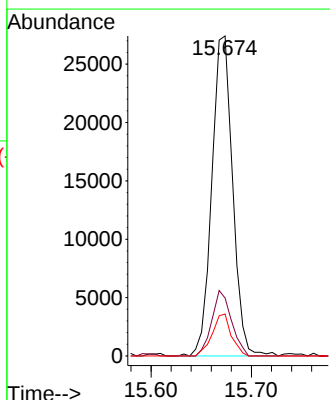
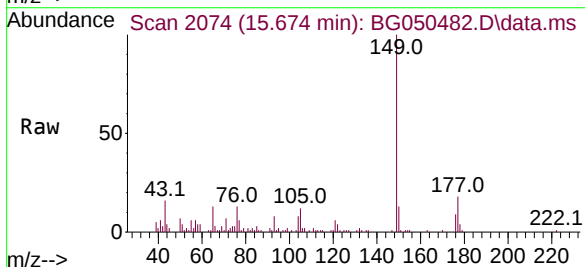
Instrument :
BNA_G
ClientSampled :
CC-37

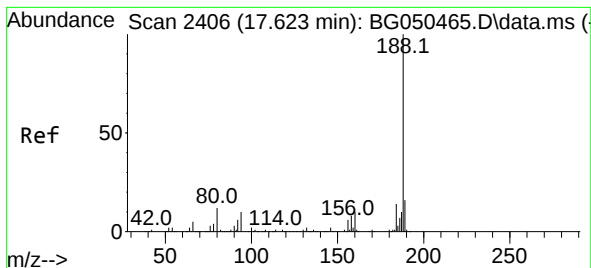
Tgt Ion:139 Resp: 12984
Ion Ratio Lower Upper
139 100
109 87.4 116.3 156.3#
65 130.2 105.0 145.0



#60
Diethylphthalate
Concen: 4.020 ng
RT: 15.674 min Scan# 2074
Delta R.T. -0.005 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion:149 Resp: 39480
Ion Ratio Lower Upper
149 100
177 18.1 19.0 28.6#
150 13.1 10.2 15.4

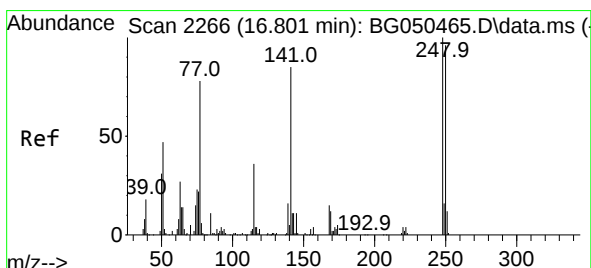
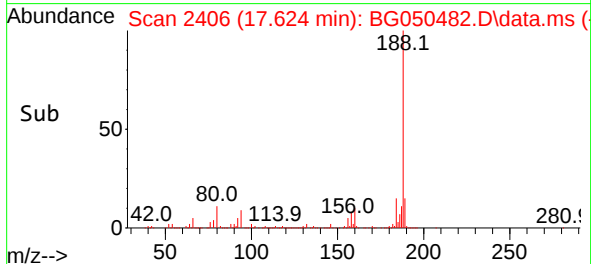
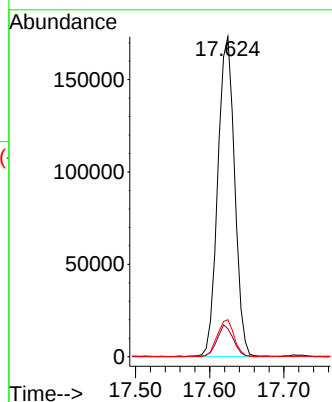
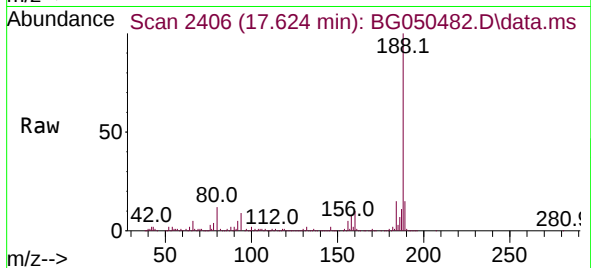




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.624 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

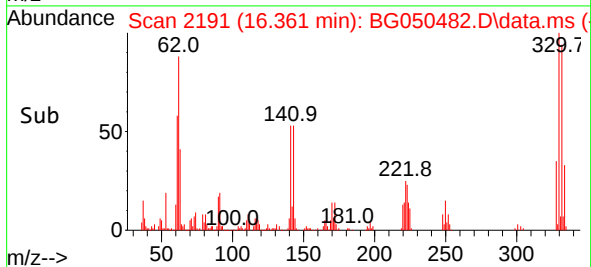
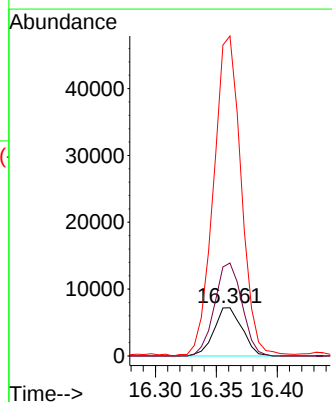
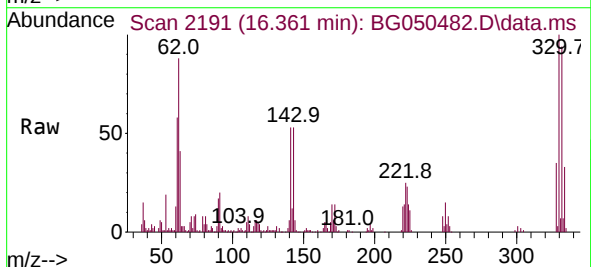
Instrument :
BNA_G
ClientSampleId :
CC-37

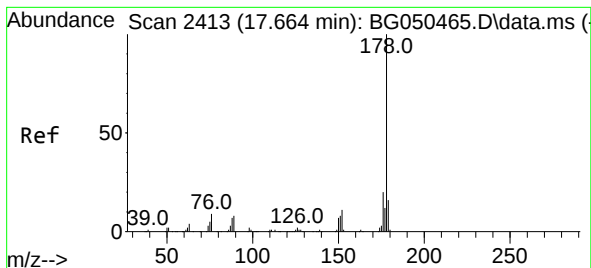
Tgt Ion:188 Resp: 273511
Ion Ratio Lower Upper
188 100
94 8.8 5.4 8.0#
80 11.6 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.186 ng
RT: 16.361 min Scan# 2191
Delta R.T. -0.439 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion:248 Resp: 11538
Ion Ratio Lower Upper
248 100
250 193.0 76.1 114.1#
141 664.1 65.4 98.2#

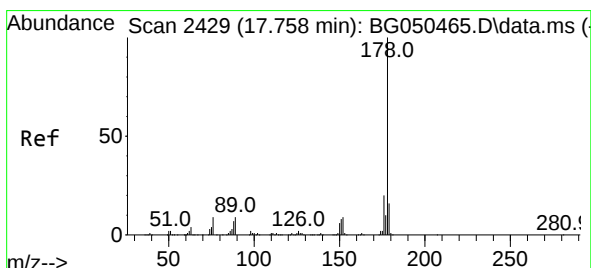
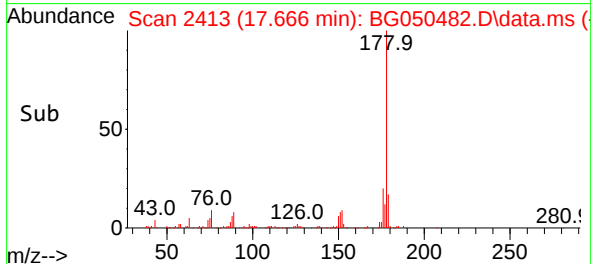
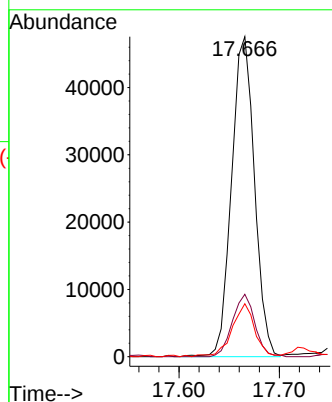
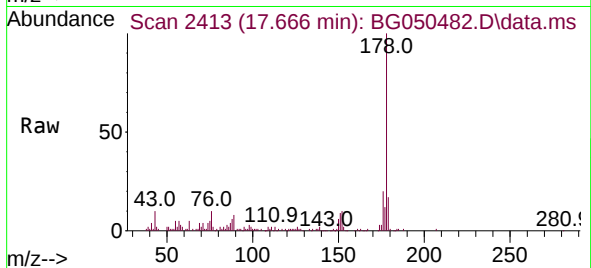




#71
Phenanthrene
Concen: 5.232 ng
RT: 17.666 min Scan# 2413
Delta R.T. 0.001 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

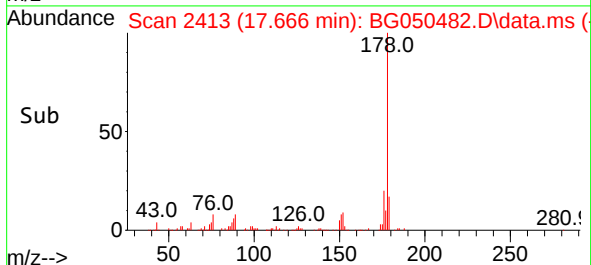
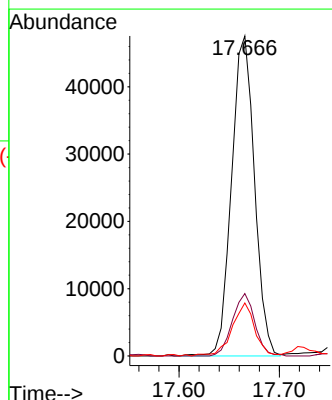
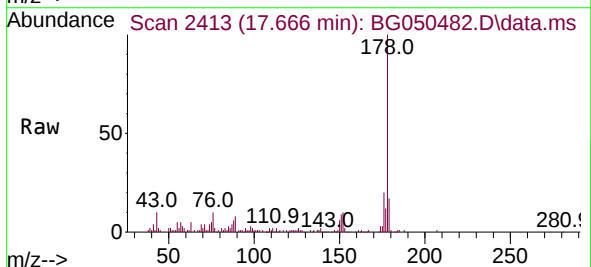
Instrument :
BNA_G
ClientSampled :
CC-37

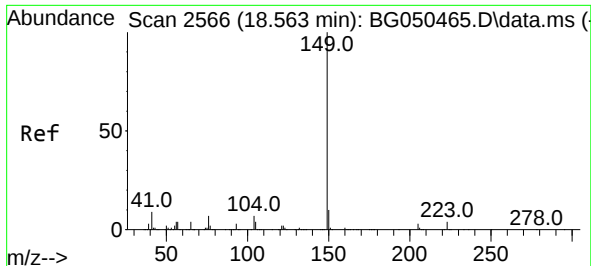
Tgt Ion:178 Resp: 75408
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 16.6 14.2 21.4



#72
Anthracene
Concen: 5.265 ng
RT: 17.666 min Scan# 2413
Delta R.T. -0.093 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion:178 Resp: 75408
Ion Ratio Lower Upper
178 100
176 19.5 14.6 21.8
179 16.6 13.4 20.0

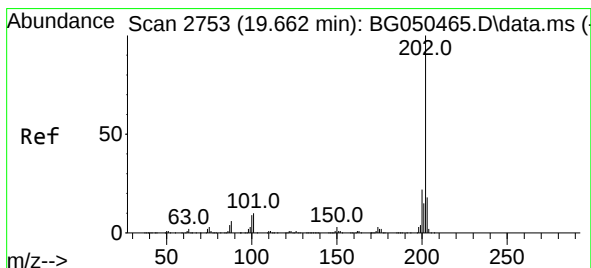
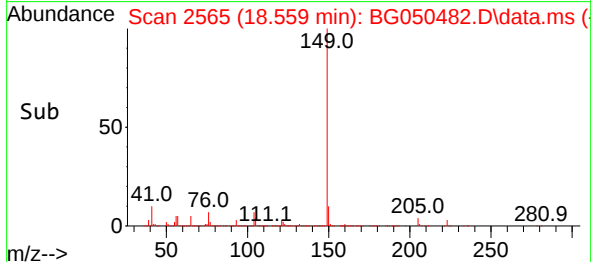
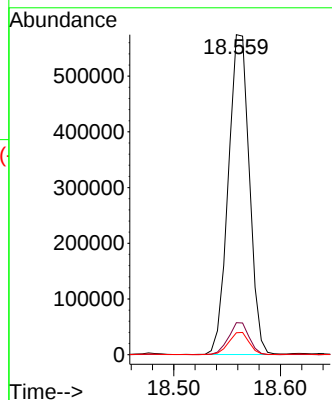
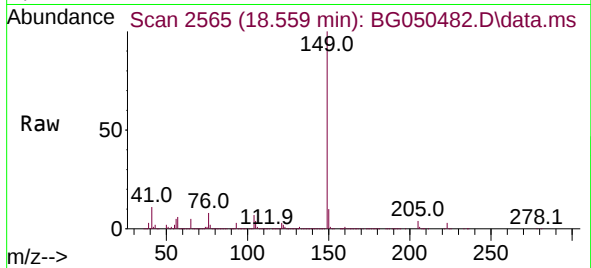




#74
Di-n-butylphthalate
Concen: 47.095 ng
RT: 18.559 min Scan# 2565
Delta R.T. -0.005 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

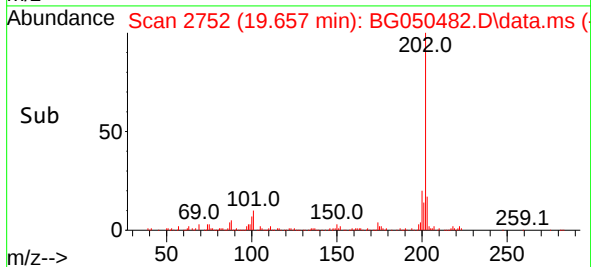
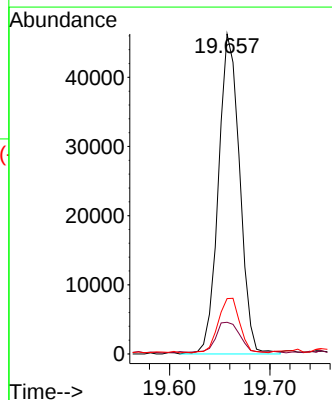
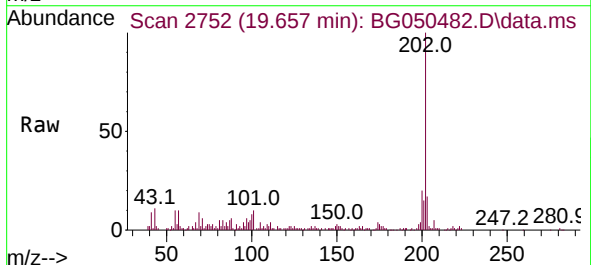
Instrument :
BNA_G
ClientSampled :
CC-37

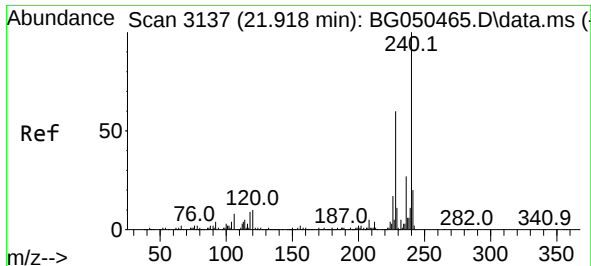
Tgt Ion:149 Resp: 788927
Ion Ratio Lower Upper
149 100
150 10.0 7.5 11.3
104 6.9 6.6 10.0



#75
Fluoranthene
Concen: 3.842 ng
RT: 19.657 min Scan# 2752
Delta R.T. -0.005 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion:202 Resp: 68072
Ion Ratio Lower Upper
202 100
101 9.9 0.0 24.7
203 17.3 0.0 38.5

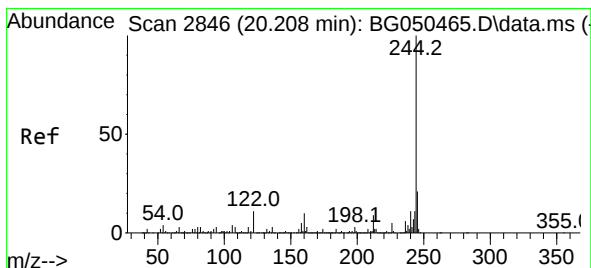
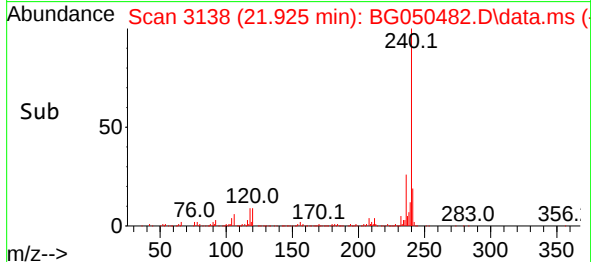
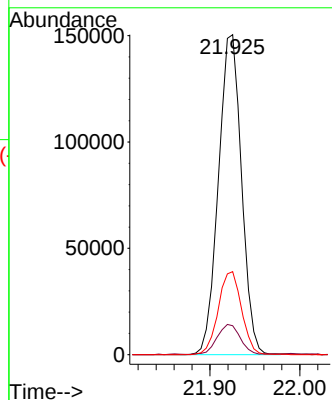
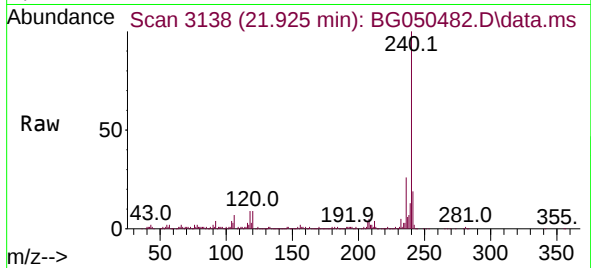




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3138
Delta R.T. 0.007 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

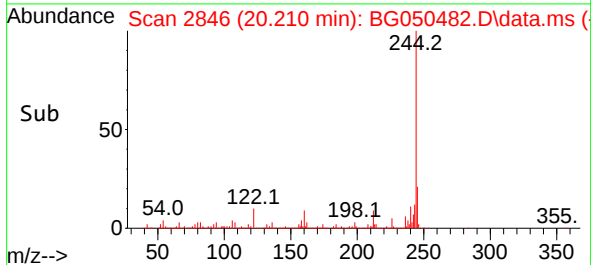
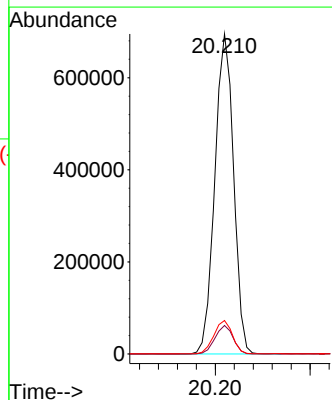
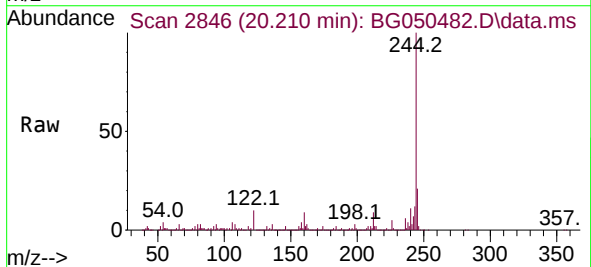
Instrument :
BNA_G
ClientSampled :
CC-37

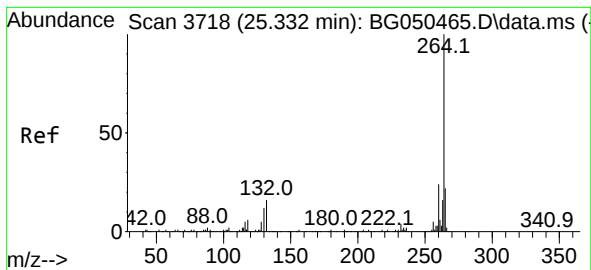
Tgt Ion:240 Resp: 268549
Ion Ratio Lower Upper
240 100
120 9.0 4.2 6.2#
236 25.9 21.8 32.6



#79
Terphenyl-d14
Concen: 69.357 ng
RT: 20.210 min Scan# 2846
Delta R.T. 0.001 min
Lab File: BG050482.D
Acq: 7 Oct 2021 14:02

Tgt Ion:244 Resp: 955740
Ion Ratio Lower Upper
244 100
212 8.9 6.9 10.3
122 10.4 5.0 7.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.333 min Scan# 3718
 Delta R.T. 0.001 min
 Lab File: BG050482.D
 Acq: 7 Oct 2021 14:02

Instrument :
 BNA_G
 ClientSampleId :
 CC-37

Tgt Ion:264 Resp: 277922
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 20.2 16.9 25.3

