

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100920\
 Data File : BG046833.D
 Acq On : 9 Oct 2020 14:23
 Operator : CG/JU
 Sample : L4331-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SHELL-L15-L14

Quant Time: Oct 09 15:44:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 11:38:17 2020
 Response via : Initial Calibration

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

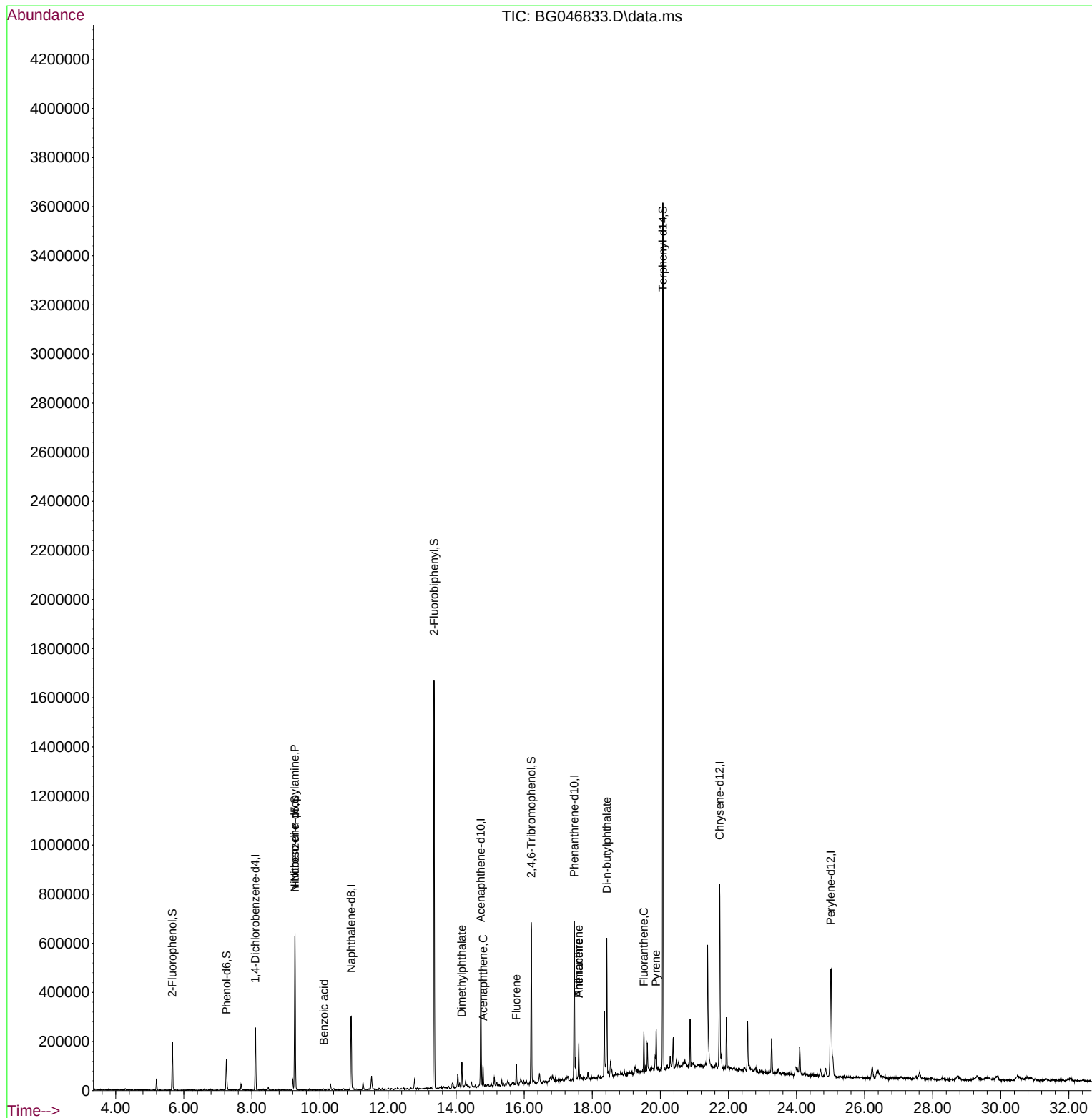
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	67296	20.00	ng	# 0.00
21) Naphthalene-d8	10.913	136	255129	20.00	ng	0.00
39) Acenaphthene-d10	14.726	164	169221	20.00	ng	0.00
64) Phenanthrene-d10	17.470	188	404780	20.00	ng	# 0.00
76) Chrysene-d12	21.742	240	465702	20.00	ng	#-0.01
86) Perylene-d12	25.009	264	482503	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.667	112	82728	19.69	ng	0.00
7) Phenol-d6	7.253	99	67127	11.33	ng	0.00
23) Nitrobenzene-d5	9.262	82	376831	78.58	ng	0.00
42) 2,4,6-Tribromophenol	16.207	330	135896	60.90	ng	0.00
45) 2-Fluorobiphenyl	13.352	172	826142	69.11	ng	0.00
79) Terphenyl-d14	20.073	244	1493572	64.28	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.253	77	367	Below Cal	#	27
19) n-Nitroso-di-n-propyla...	9.262	70	56164	13.82	ng	# 76
32) Benzoic acid	10.120	122	356	6.46	ng	# 25
50) Dimethylphthalate	14.168	163	65786	4.87	ng	96
52) Acenaphthene	14.791	154	31896	3.02	ng	93
58) Fluorene	15.772	166	33379	2.61	ng	92
71) Phenanthrene	17.605	178	101797	4.63	ng	96
72) Anthracene	17.605	178	101797	4.69	ng	97
74) Di-n-butylphthalate	18.428	149	379134	15.63	ng	# 97
75) Fluoranthene	19.515	202	98074	3.50	ng	97
78) Pyrene	19.873	202	103634	3.46	ng	97

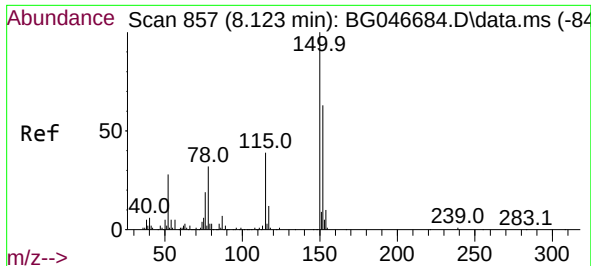
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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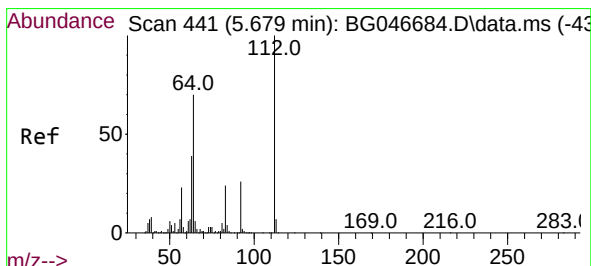
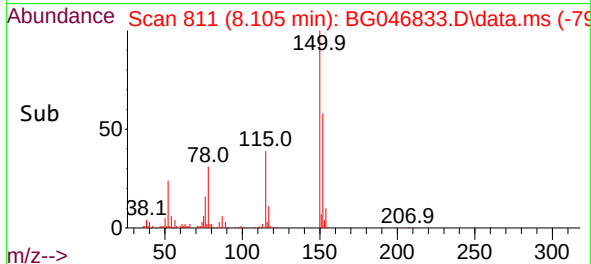
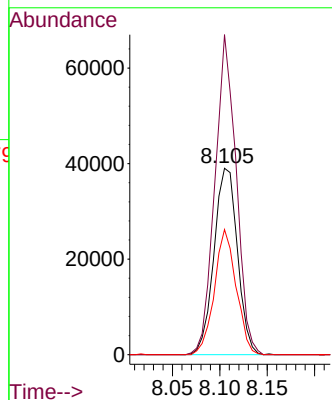
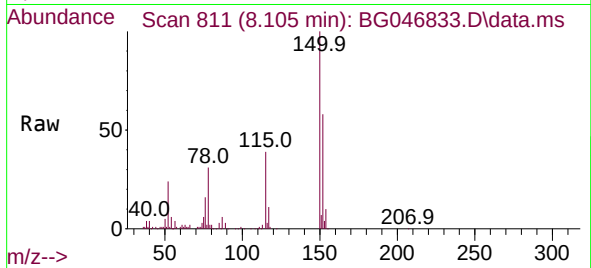




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.105 min Scan# 811
Delta R.T. -0.003 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

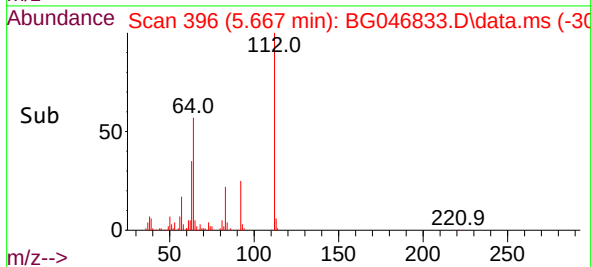
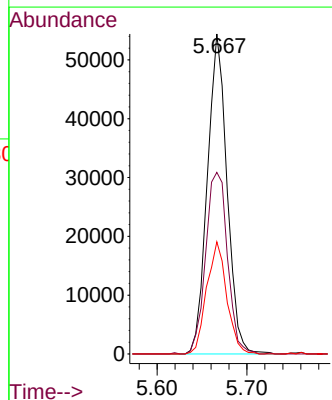
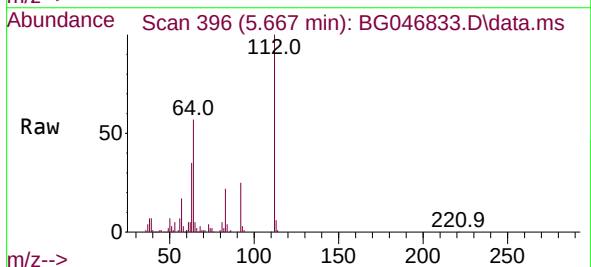
Instrument :
BNA_G
ClientSampleId :
SHELL-L15-L14

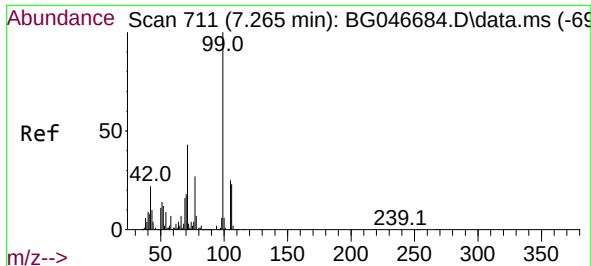
Tgt Ion:152 Resp: 67296
Ion Ratio Lower Upper
152 100
150 171.7 125.0 187.6
115 67.1 41.8 62.6#



#5
2-Fluorophenol
Concen: 19.69 ng
RT: 5.667 min Scan# 396
Delta R.T. -0.003 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

Tgt Ion:112 Resp: 82728
Ion Ratio Lower Upper
112 100
64 56.7 46.7 70.1
63 35.1 22.8 34.2#

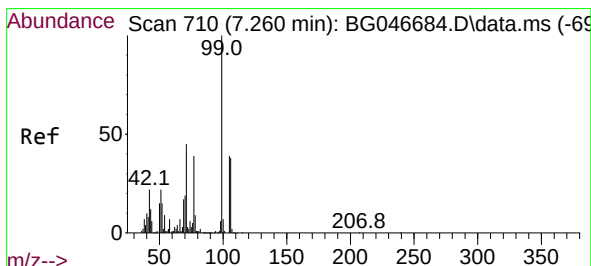
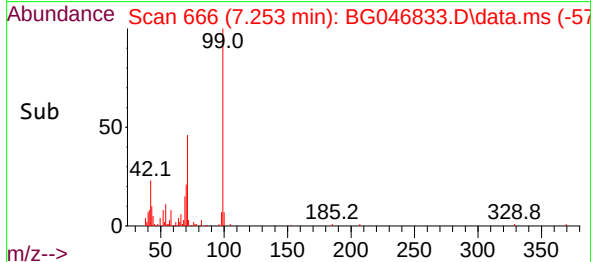
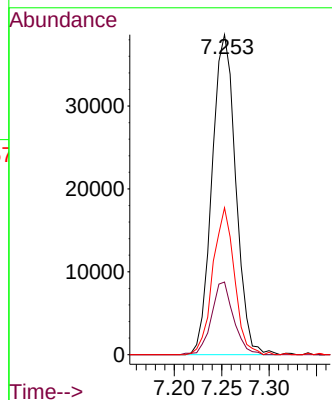
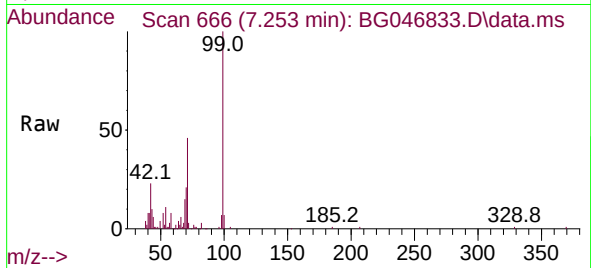




#7
Phenol-d6
Concen: 11.33 ng
RT: 7.253 min Scan# 666
Delta R.T. -0.003 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

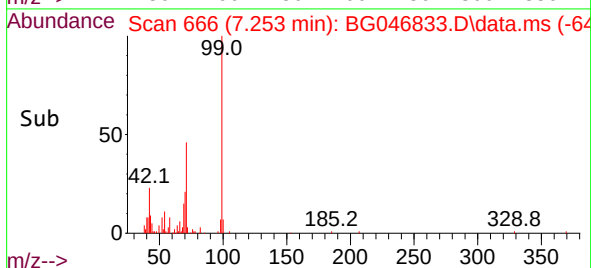
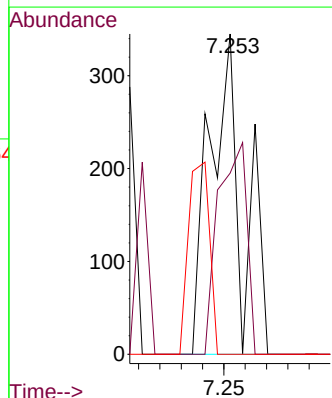
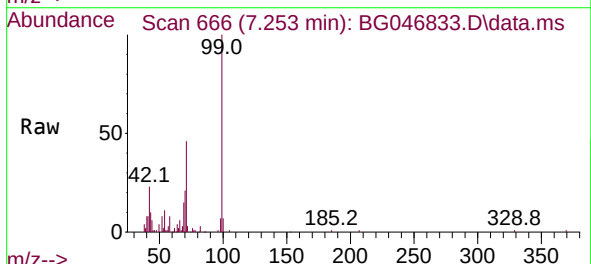
Instrument :
BNA_G
ClientSampleId :
SHELL-L15-L14

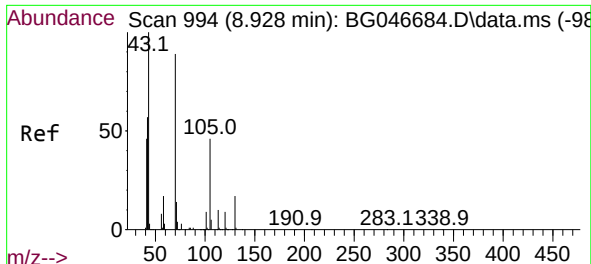
Tgt Ion: 99 Resp: 67127
Ion Ratio Lower Upper
99 100
42 22.7 12.8 19.2#
71 45.9 24.6 36.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.253 min Scan# 666
Delta R.T. 0.009 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

Tgt Ion: 77 Resp: 367
Ion Ratio Lower Upper
77 100
105 56.5 85.9 125.9#
106 0.0 80.9 120.9#

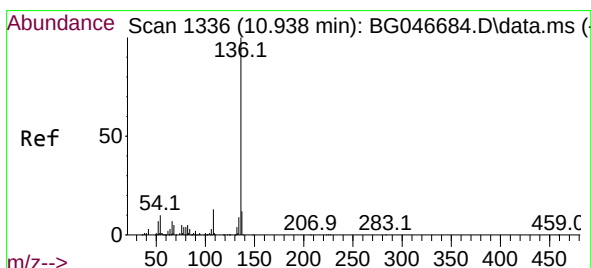
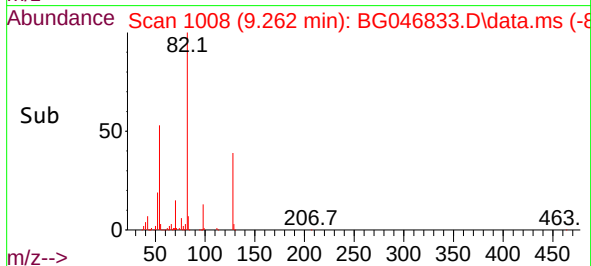
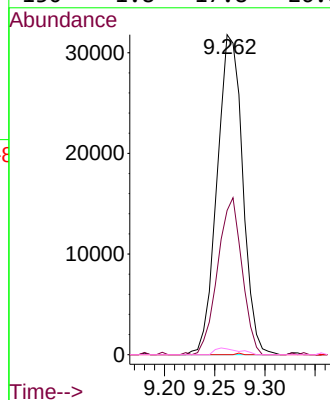
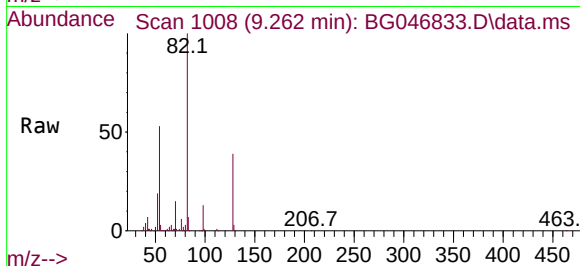




#19
n-Nitroso-di-n-propylamine
Concen: 13.82 ng
RT: 9.262 min Scan# 1008
Delta R.T. 0.350 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

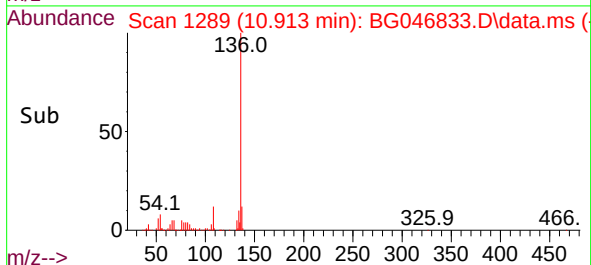
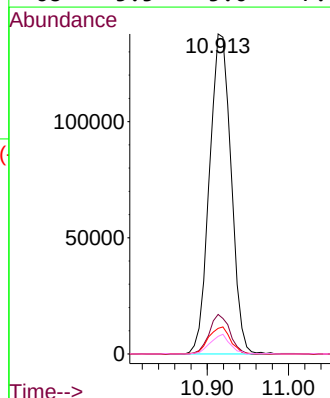
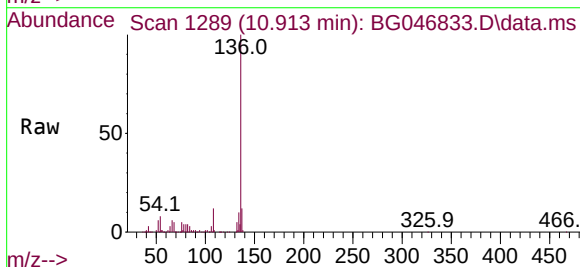
Instrument :
BNA_G
ClientSampleId :
SHELL-L15-L14

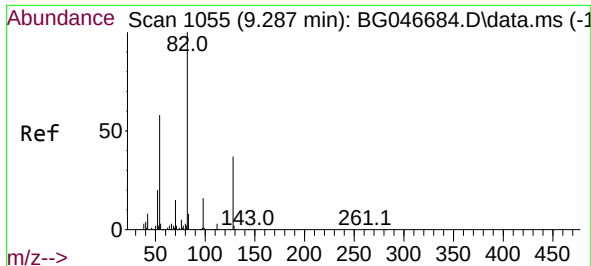
Tgt Ion: 70	Resp: 56164
Ion Ratio	Lower Upper
70 100	
42 45.1	45.6 68.4#
101 0.0	8.4 12.6#
130 1.8	17.8 26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.913 min Scan# 1289
Delta R.T. -0.009 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

Tgt Ion: 136	Resp: 255129
Ion Ratio	Lower Upper
136 100	
137 12.3	9.1 13.7
54 8.0	6.2 9.4
68 5.5	5.0 7.4

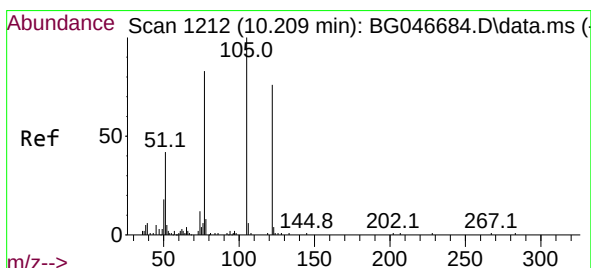
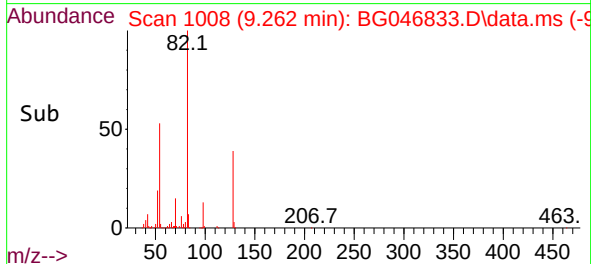
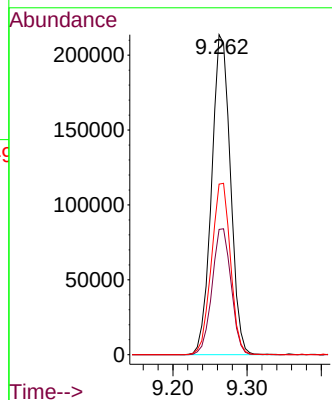
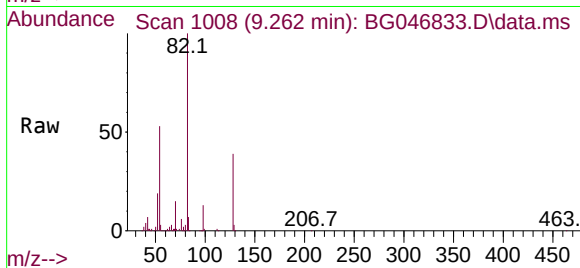




#23
Nitrobenzene-d5
Concen: 78.58 ng
RT: 9.262 min Scan# 1008
Delta R.T. -0.009 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

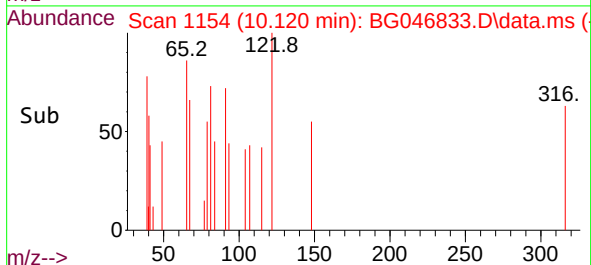
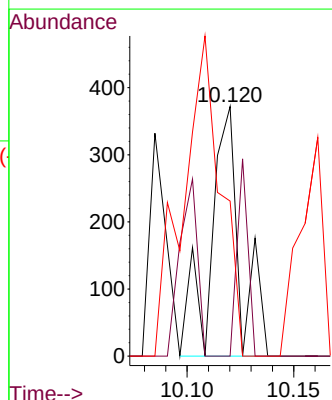
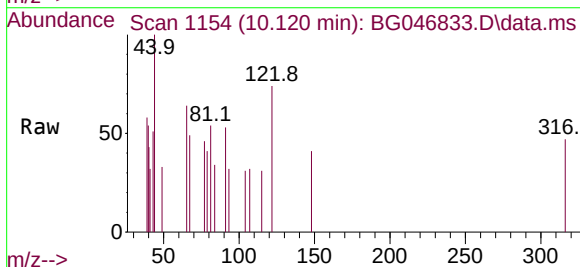
Instrument :
BNA_G
ClientSampleId :
SHELL-L15-L14

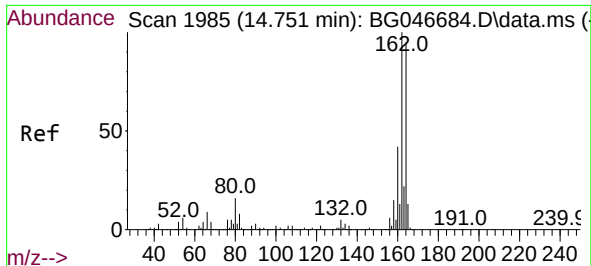
Tgt Ion: 82 Resp: 376831
Ion Ratio Lower Upper
82 100
128 39.2 37.0 55.6
54 53.3 39.0 58.4



#32
Benzoic acid
Concen: 6.46 ng
RT: 10.120 min Scan# 1154
Delta R.T. -0.074 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

Tgt Ion:122 Resp: 356
Ion Ratio Lower Upper
122 100
105 0.0 103.7 143.7#
77 62.1 63.0 103.0#

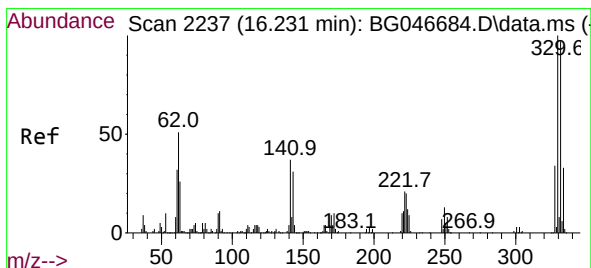
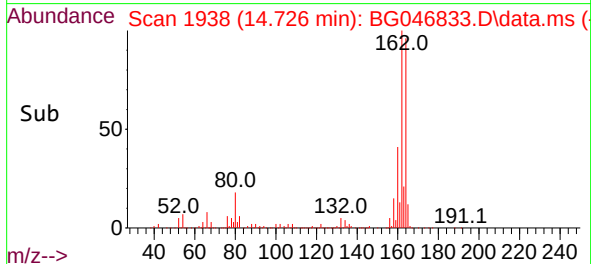
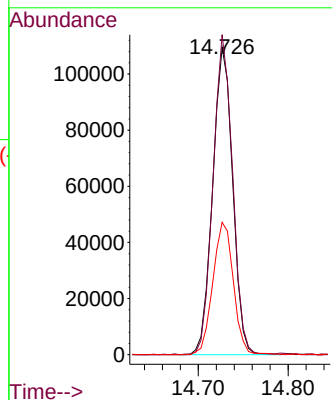
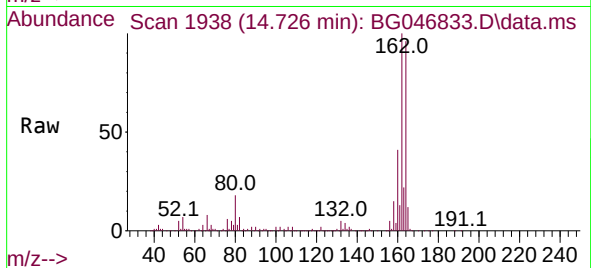




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.726 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

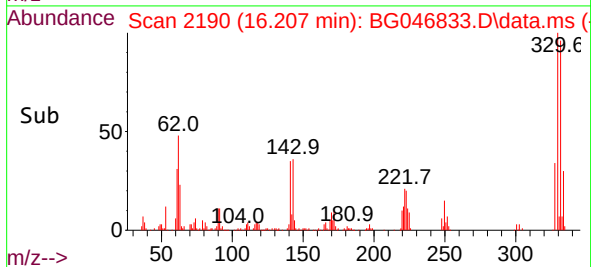
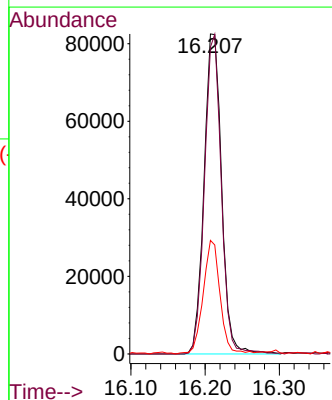
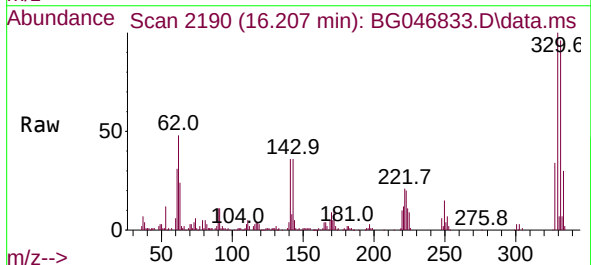
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SHELL-L15-L14

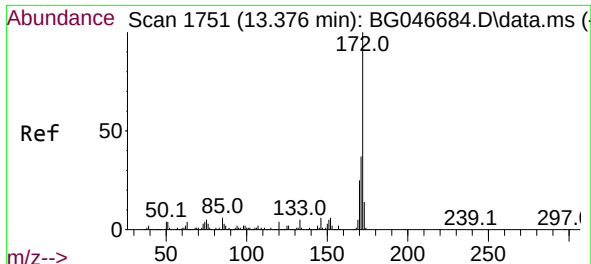
Tgt Ion:164 Resp: 169221
Ion Ratio Lower Upper
164 100
162 104.1 82.3 123.5
160 43.0 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 60.90 ng
RT: 16.207 min Scan# 2190
Delta R.T. -0.009 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

Tgt Ion:330 Resp: 135896
Ion Ratio Lower Upper
330 100
332 95.1 76.5 114.7
141 34.3 26.0 39.0

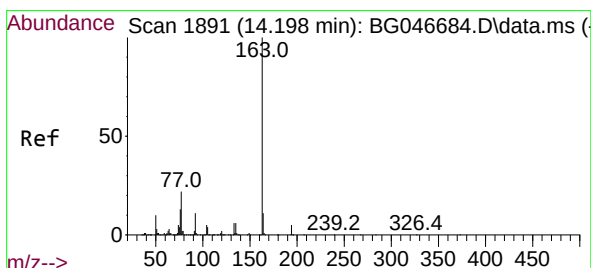
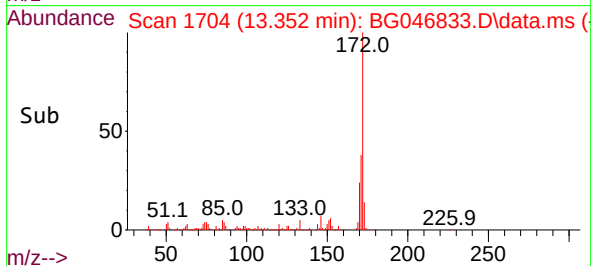
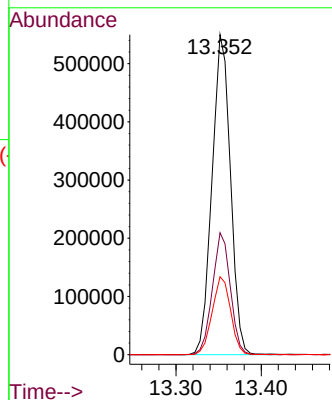
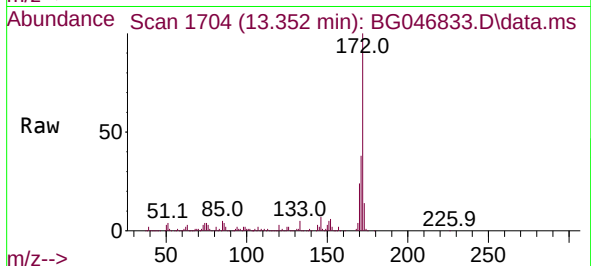




#45
2-Fluorobiphenyl
Concen: 69.11 ng
RT: 13.352 min Scan# 1704
Delta R.T. -0.009 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

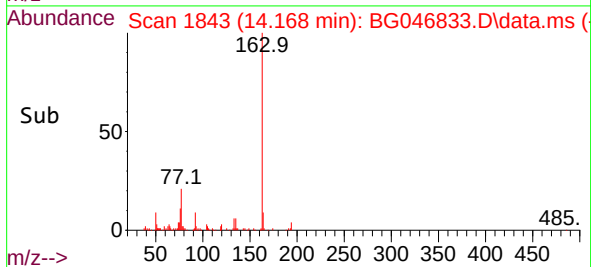
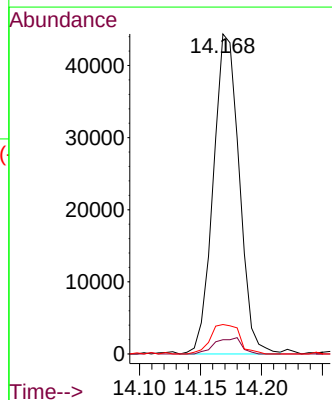
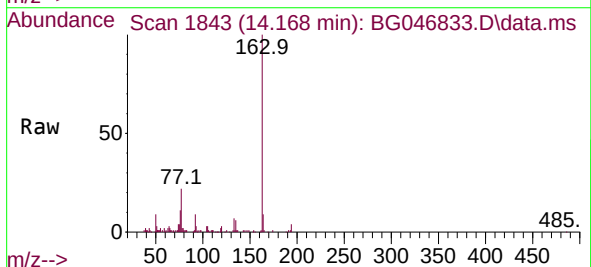
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SHELL-L15-L14

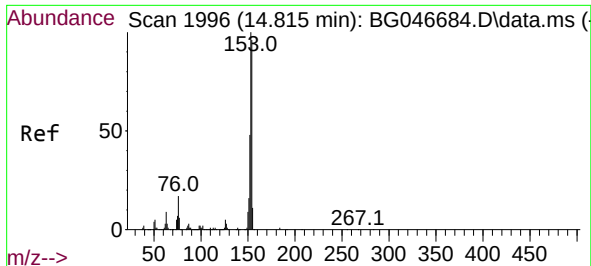
Tgt Ion:172 Resp: 826142
Ion Ratio Lower Upper
172 100
171 38.1 31.3 46.9
170 24.4 20.8 31.2



#50
Dimethylphthalate
Concen: 4.87 ng
RT: 14.168 min Scan# 1843
Delta R.T. -0.015 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

Tgt Ion:163 Resp: 65786
Ion Ratio Lower Upper
163 100
194 4.5 3.8 5.8
164 9.2 8.8 13.2

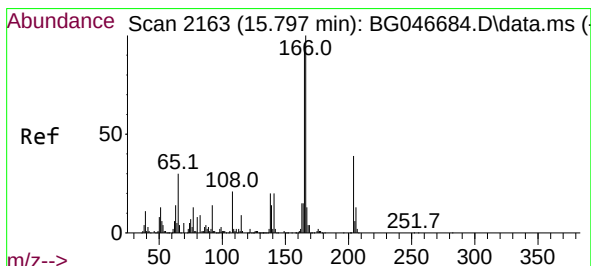
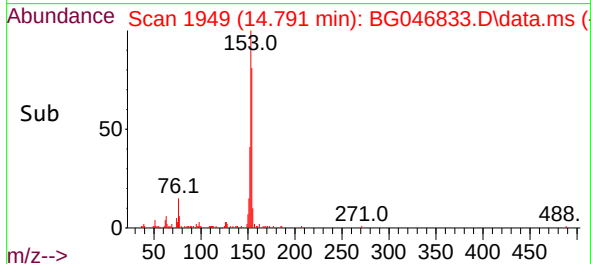
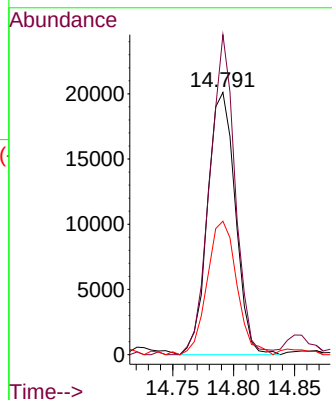
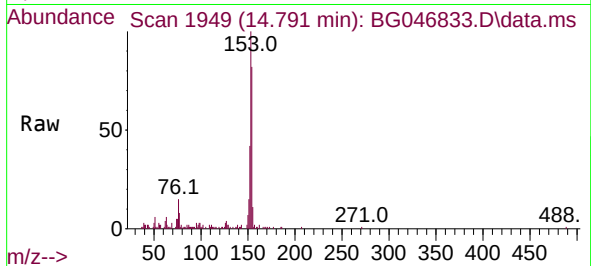




#52
Acenaphthene
Concen: 3.02 ng
RT: 14.791 min Scan# 1949
Delta R.T. -0.009 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

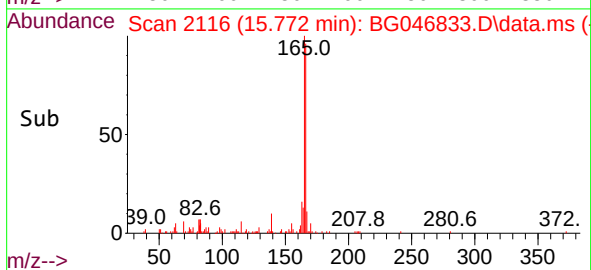
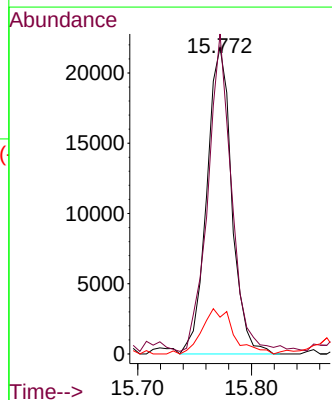
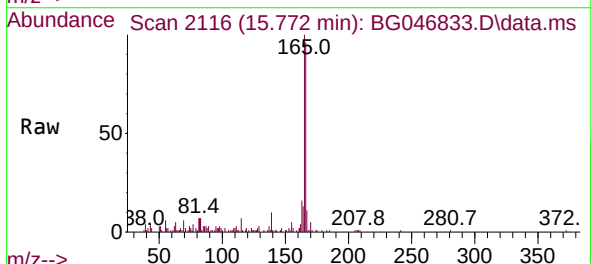
Instrument :
BNA_G
ClientSampleId :
SHELL-L15-L14

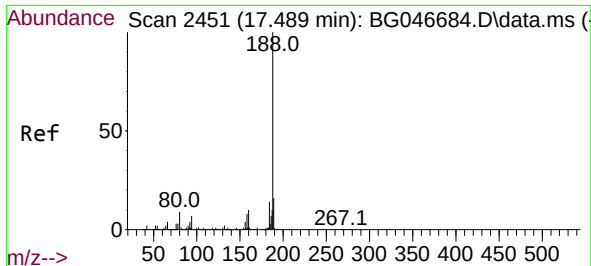
Tgt Ion:154 Resp: 31896
Ion Ratio Lower Upper
154 100
153 122.0 90.3 135.5
152 50.9 43.8 65.8



#58
Fluorene
Concen: 2.61 ng
RT: 15.772 min Scan# 2116
Delta R.T. -0.009 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

Tgt Ion:166 Resp: 33379
Ion Ratio Lower Upper
166 100
165 104.3 77.2 115.8
167 12.0 11.4 17.2

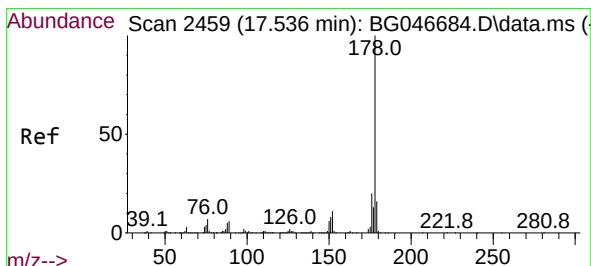
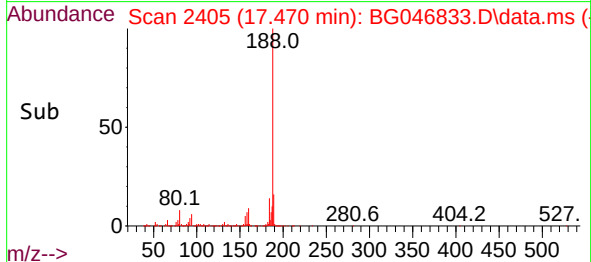
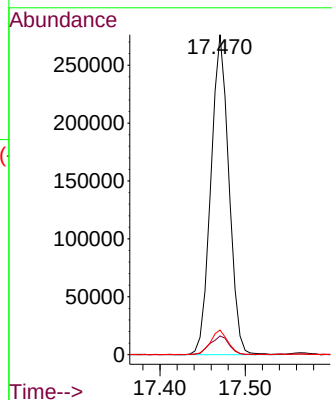
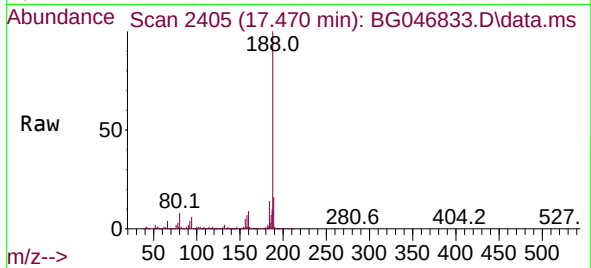




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.470 min Scan# 2405
Delta R.T. -0.009 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

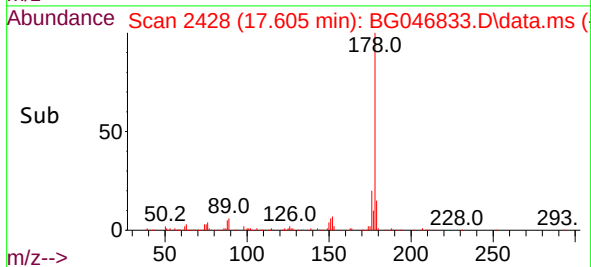
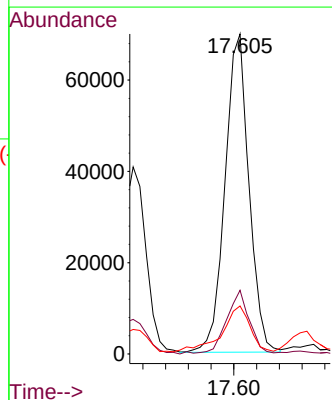
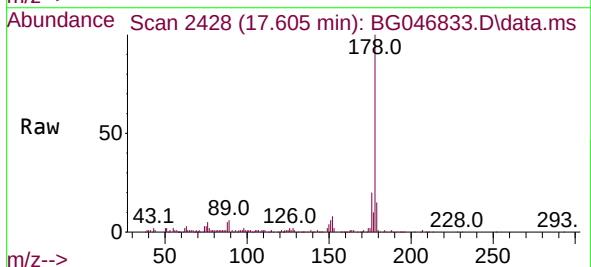
Instrument :
BNA_G
ClientSampleId :
SHELL-L15-L14

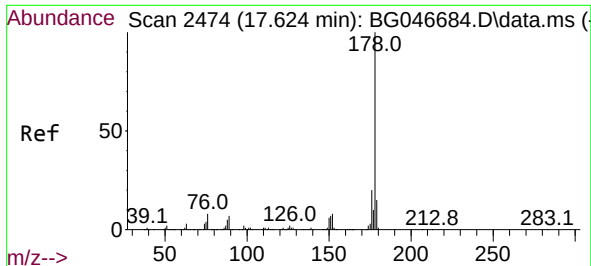
Tgt Ion:188 Resp: 404780
Ion Ratio Lower Upper
188 100
94 5.9 6.3 9.5#
80 7.7 7.0 10.6



#71
Phenanthrene
Concen: 4.63 ng
RT: 17.605 min Scan# 2428
Delta R.T. 0.085 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

Tgt Ion:178 Resp: 101797
Ion Ratio Lower Upper
178 100
176 19.9 16.7 25.1
179 15.0 14.0 21.0

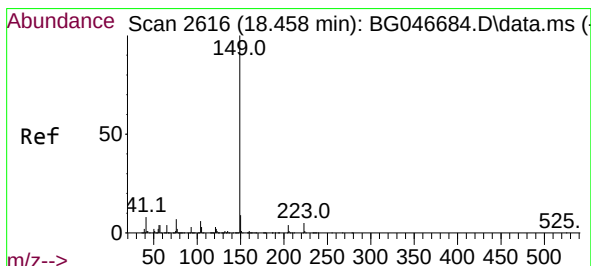
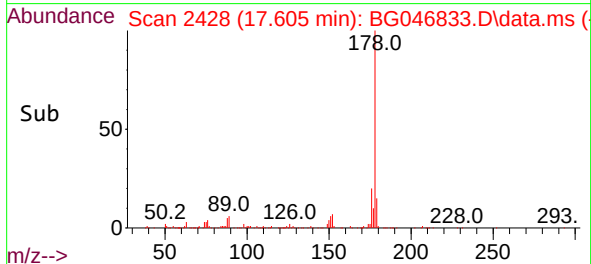
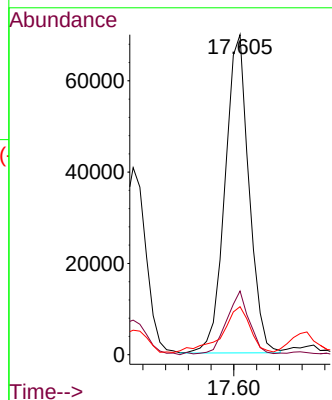
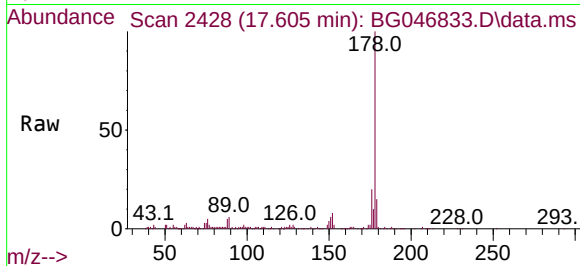




#72
 Anthracene
 Concen: 4.69 ng
 RT: 17.605 min Scan# 2428
 Delta R.T. -0.003 min
 Lab File: BG046833.D
 Acq: 9 Oct 2020 14:23

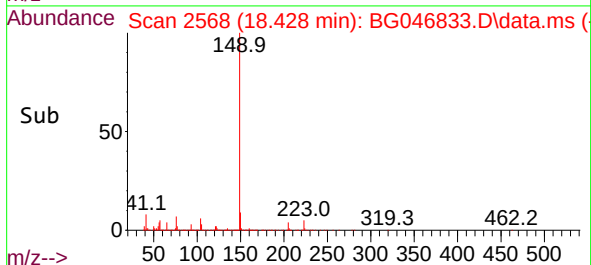
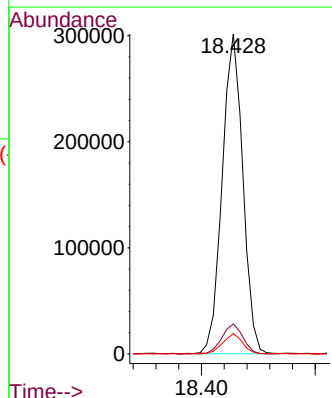
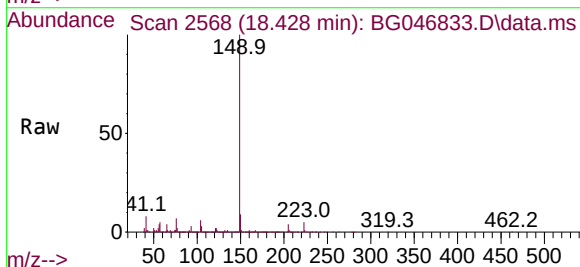
Instrument :
 BNA_G
 ClientSampleId :
 SHELL-L15-L14

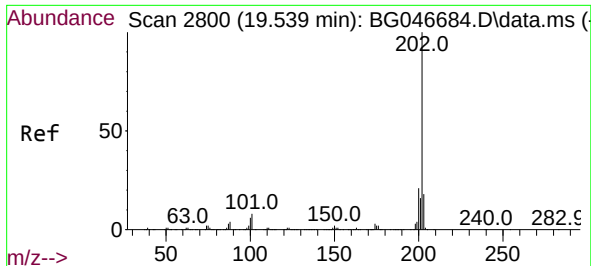
Tgt Ion:178 Resp: 101797
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.4 24.6
 179 15.0 13.8 20.6



#74
 Di-n-butylphthalate
 Concen: 15.63 ng
 RT: 18.428 min Scan# 2568
 Delta R.T. -0.009 min
 Lab File: BG046833.D
 Acq: 9 Oct 2020 14:23

Tgt Ion:149 Resp: 379134
 Ion Ratio Lower Upper
 149 100
 150 9.4 8.2 12.4
 104 6.4 3.8 5.8#

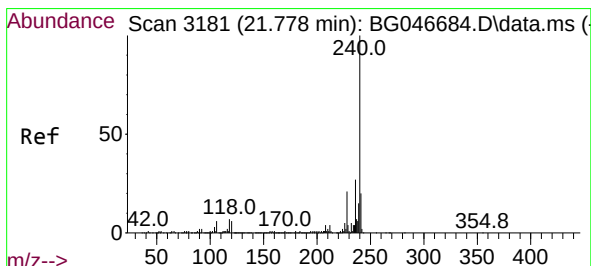
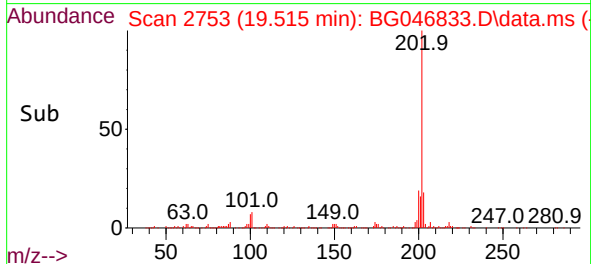
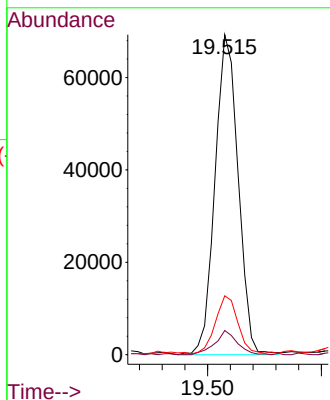
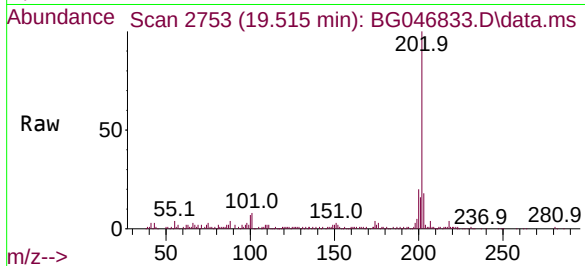




#75
Fluoranthene
Concen: 3.50 ng
RT: 19.515 min Scan# 2753
Delta R.T. -0.009 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

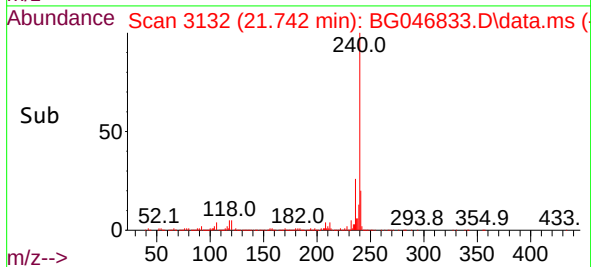
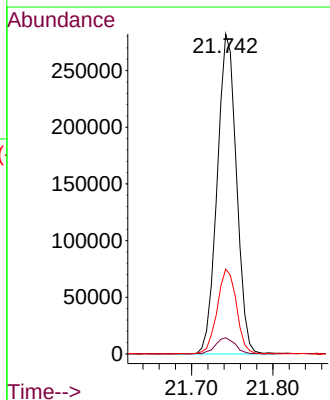
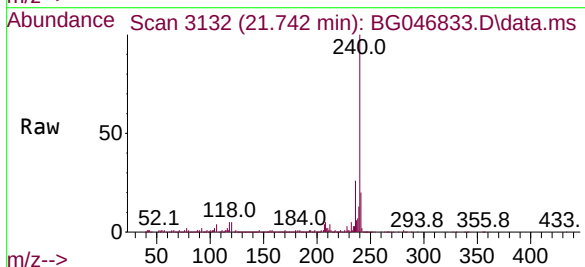
Instrument :
BNA_G
ClientSampleId :
SHELL-L15-L14

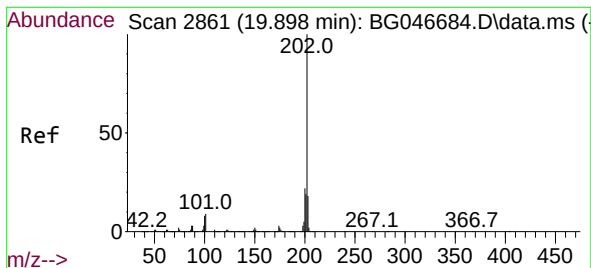
Tgt Ion:202 Resp: 98074
Ion Ratio Lower Upper
202 100
101 7.5 0.0 29.7
203 18.4 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.742 min Scan# 3132
Delta R.T. -0.015 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

Tgt Ion:240 Resp: 465702
Ion Ratio Lower Upper
240 100
120 5.1 6.2 9.4#
236 26.5 20.5 30.7





#78

Pyrene

Concen: 3.46 ng

RT: 19.873 min Scan# 2814

Delta R.T. -0.009 min

Lab File: BG046833.D

Acq: 9 Oct 2020 14:23

Tgt Ion:202 Resp: 103634

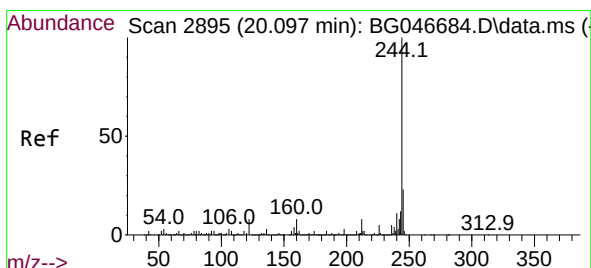
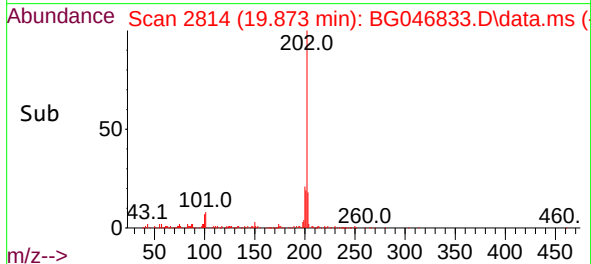
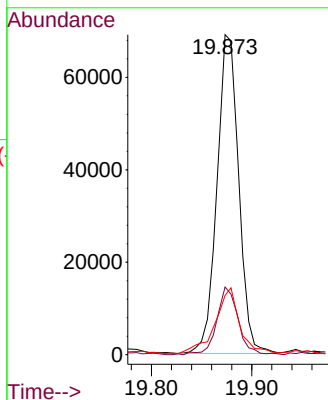
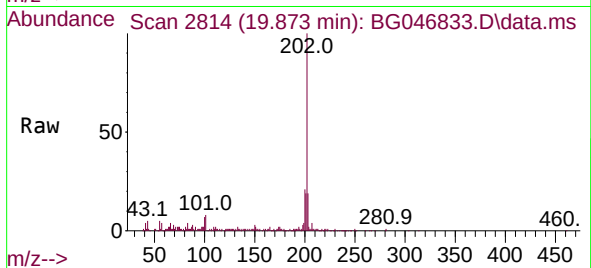
Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.6	27.8
203	18.5	15.3	22.9

Instrument :

BNA_G

ClientSampleId :

SHELL-L15-L14



#79

Terphenyl-d14

Concen: 64.28 ng

RT: 20.073 min Scan# 2848

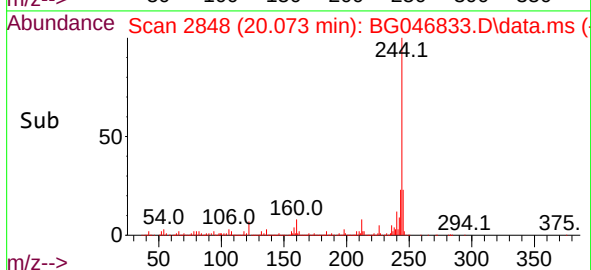
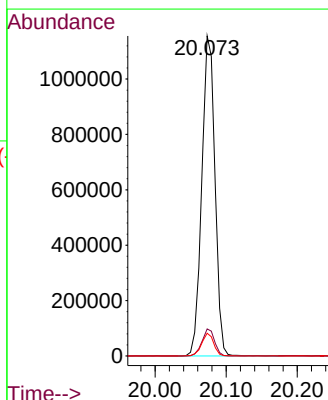
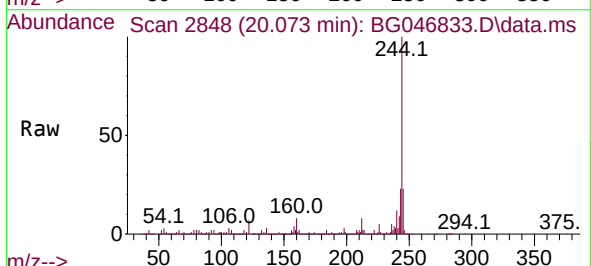
Delta R.T. -0.009 min

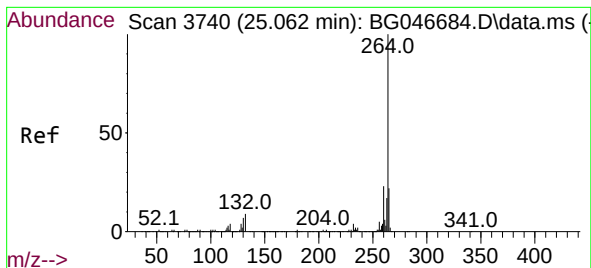
Lab File: BG046833.D

Acq: 9 Oct 2020 14:23

Tgt Ion:244 Resp: 1493572

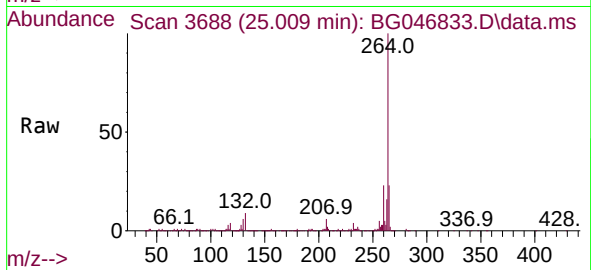
Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.7	10.1
122	7.1	7.8	11.6#





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.009 min Scan# 3688
Delta R.T. -0.021 min
Lab File: BG046833.D
Acq: 9 Oct 2020 14:23

Instrument :
BNA_G
ClientSampleId :
SHELL-L15-L14



Tgt Ion:264 Resp: 482503

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	22.6	17.8	26.8

