

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030421\
 Data File : BG048336.D
 Acq On : 4 Mar 2021 20:09
 Operator : CG/JU
 Sample : M1542-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-030221

Quant Time: Mar 04 23:28:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG021021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 03 16:40:27 2021
 Response via : Initial Calibration

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

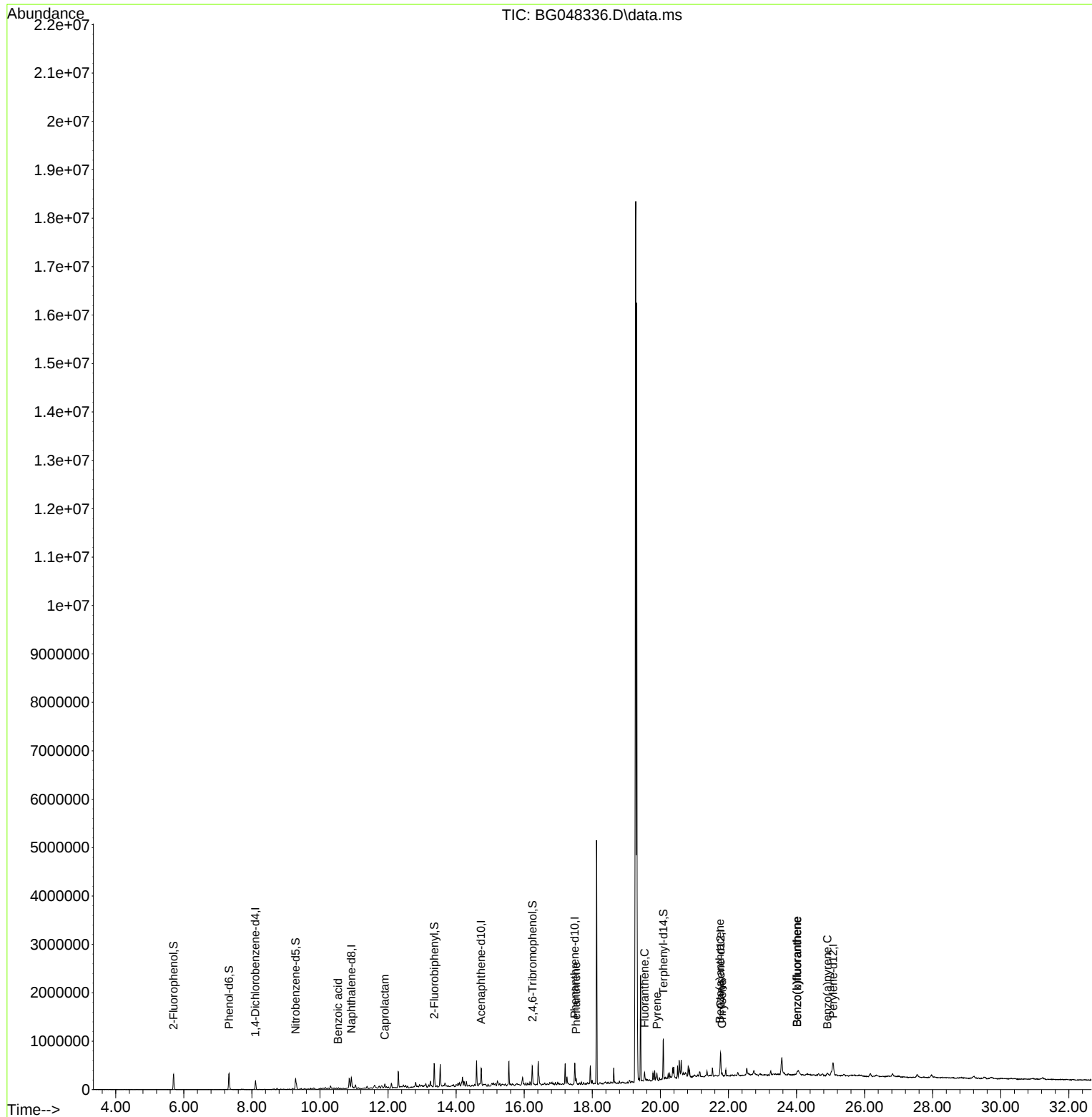
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.102	152	47013	20.00	ng	# 0.00
21) Naphthalene-d8	10.922	136	179027	20.00	ng	0.00
39) Acenaphthene-d10	14.735	164	121939	20.00	ng	0.00
64) Phenanthrene-d10	17.485	188	267864	20.00	ng	# 0.00
76) Chrysene-d12	21.768	240	287057	20.00	ng	# 0.00
86) Perylene-d12	25.076	264	293275	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	125232	45.34	ng	0.01
7) Phenol-d6	7.326	99	176461	42.05	ng	0.01
23) Nitrobenzene-d5	9.283	82	131231	31.01	ng	0.00
42) 2,4,6-Tribromophenol	16.239	330	75359	38.64	ng	0.00
45) 2-Fluorobiphenyl	13.355	172	249787	28.72	ng	0.00
79) Terphenyl-d14	20.088	244	371661	23.66	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.528	122	53	4.16	ng	# 1
35) Caprolactam	11.903	113	3041	2.67	ng	# 1
71) Phenanthrene	17.526	178	59637	4.10	ng	95
75) Fluoranthene	19.535	202	97369	5.14	ng	95
78) Pyrene	19.900	202	98422	4.91	ng	99
81) Benzo(a)anthracene	21.751	228	57557	2.87	ng	# 96
83) Chrysene	21.815	228	55985	2.93	ng	# 93
88) Benzo(b)fluoranthene	24.018	252	69410	3.42	ng	# 77
89) Benzo(k)fluoranthene	24.018	252	69792	3.61	ng	# 77
90) Benzo(a)pyrene	24.912	252	52236	2.78	ng	# 96

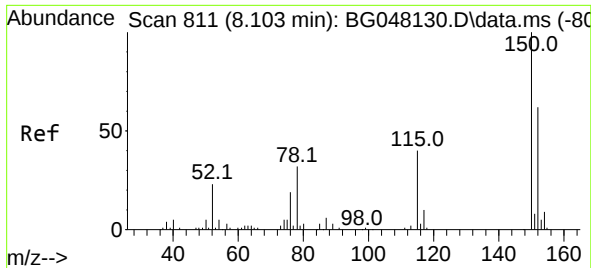
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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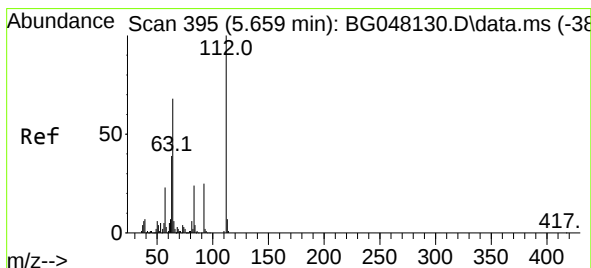
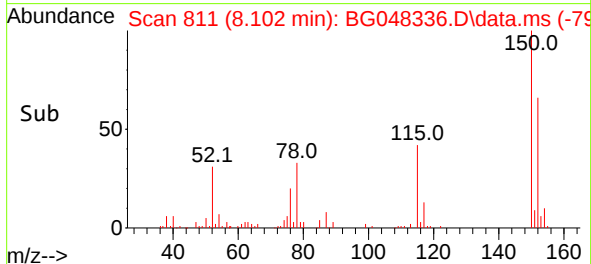
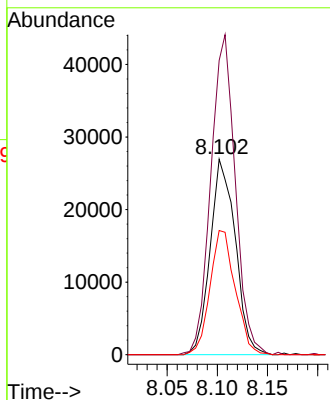
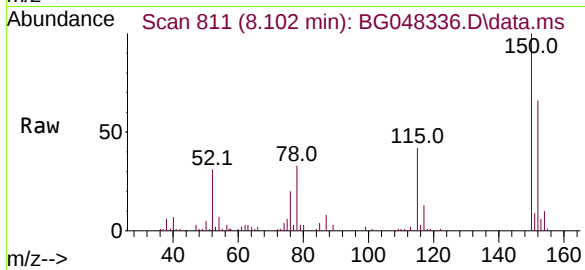




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.102 min Scan# 811
Delta R.T. -0.000 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

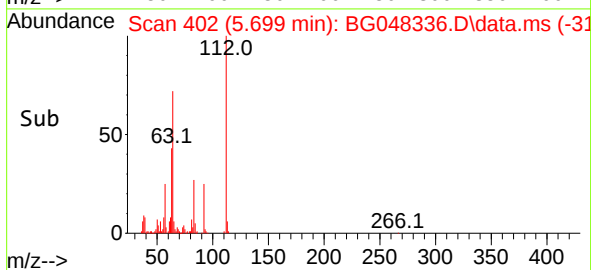
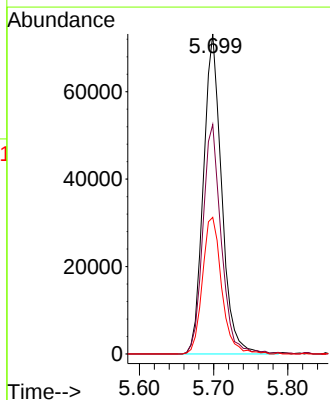
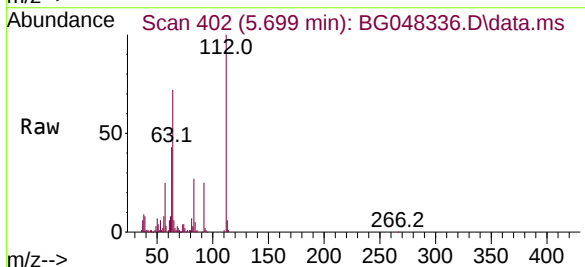
Instrument :
BNA_G
ClientSampleId :
SU-03-030221

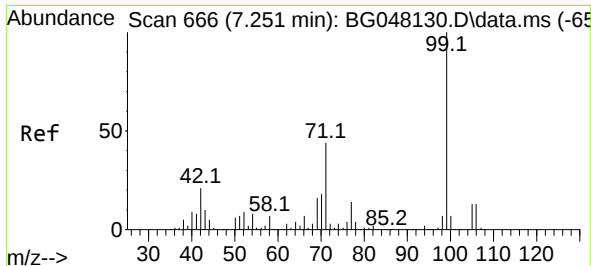
Tgt Ion:152 Resp: 47013
Ion Ratio Lower Upper
152 100
150 150.5 125.0 187.6
115 63.5 41.8 62.6#



#5
2-Fluorophenol
Concen: 45.34 ng
RT: 5.699 min Scan# 402
Delta R.T. 0.011 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

Tgt Ion:112 Resp: 125232
Ion Ratio Lower Upper
112 100
64 71.7 46.7 70.1#
63 42.7 22.8 34.2#

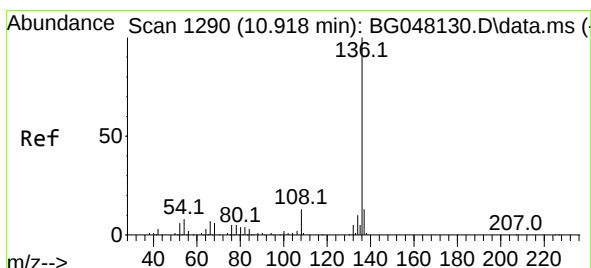
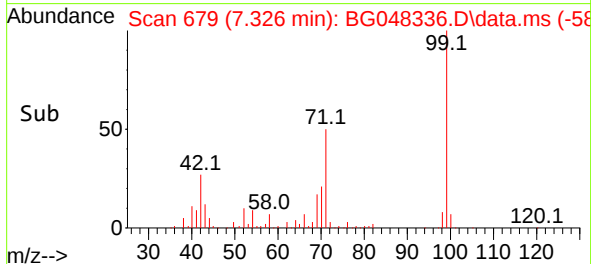
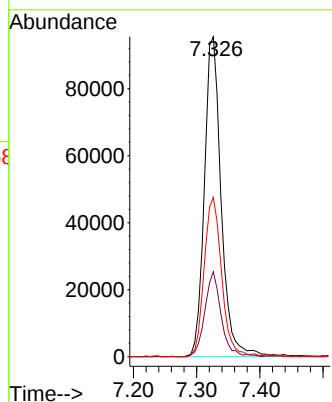
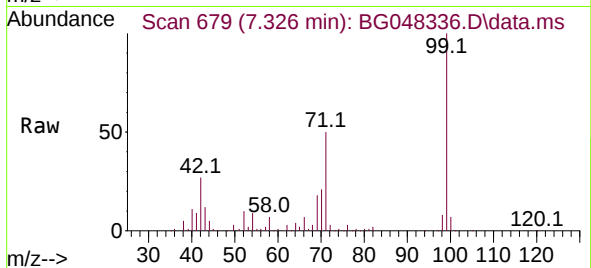




#7
Phenol-d6
Concen: 42.05 ng
RT: 7.326 min Scan# 679
Delta R.T. 0.011 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

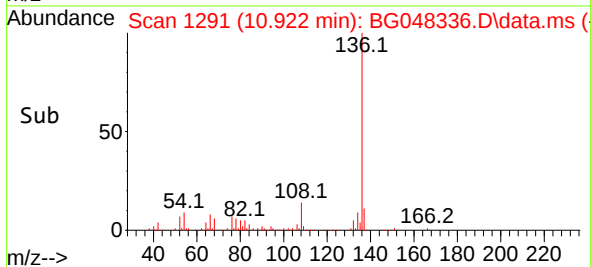
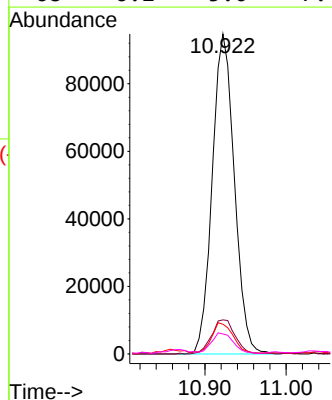
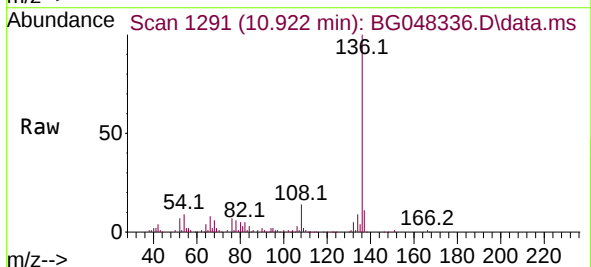
Instrument :
BNA_G
ClientSampleId :
SU-03-030221

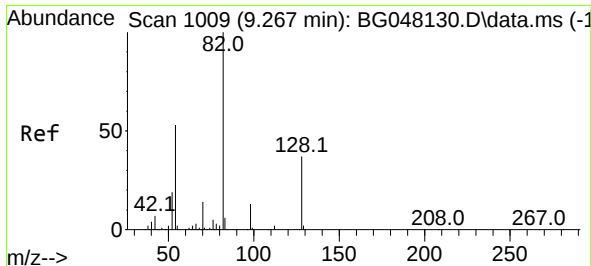
Tgt Ion: 99 Resp: 176461
Ion Ratio Lower Upper
99 100
42 26.6 12.8 19.2#
71 49.8 24.6 36.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.922 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

Tgt Ion:136 Resp: 179027
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 9.3 6.2 9.4
68 6.2 5.0 7.4

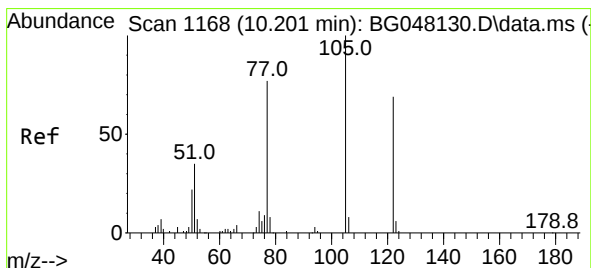
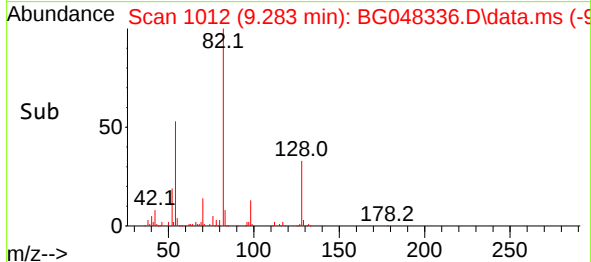
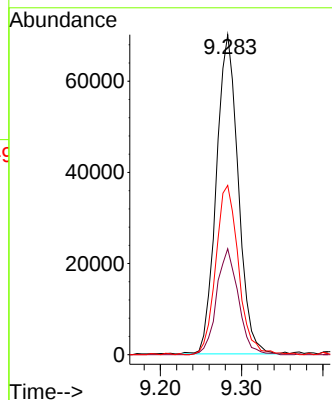
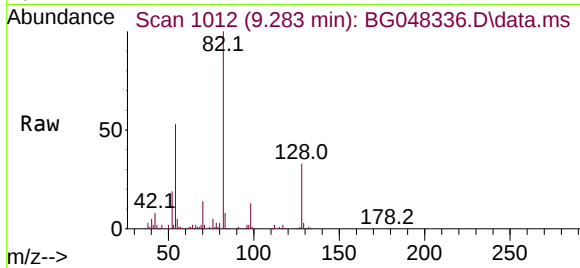




#23
Nitrobenzene-d5
Concen: 31.01 ng
RT: 9.283 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

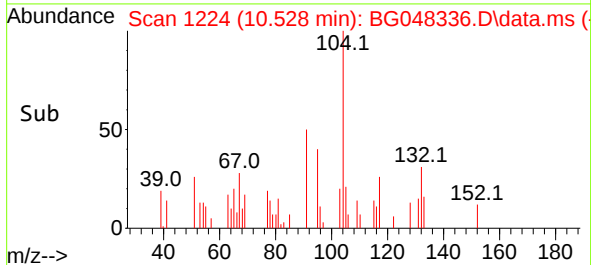
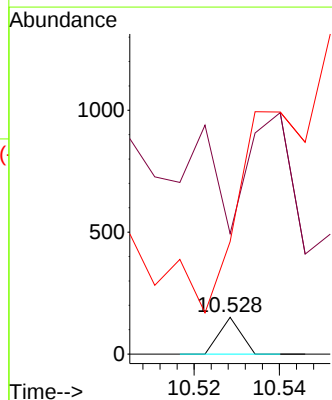
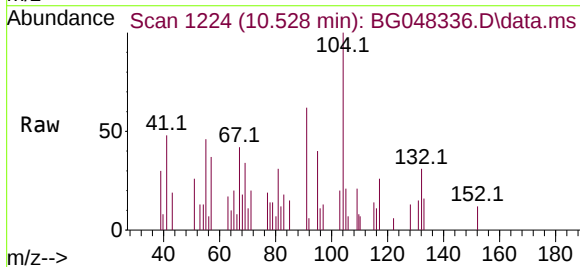
Instrument :
BNA_G
ClientSampleId :
SU-03-030221

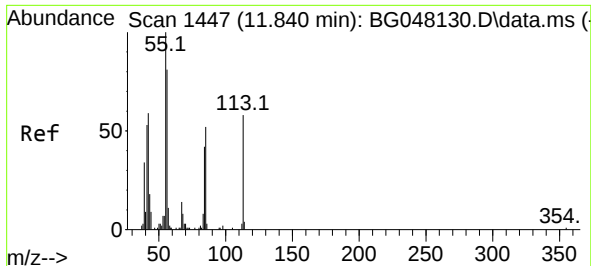
Tgt Ion: 82 Resp: 131231
Ion Ratio Lower Upper
82 100
128 33.1 37.0 55.6#
54 52.9 39.0 58.4



#32
Benzoic acid
Concen: 4.16 ng
RT: 10.528 min Scan# 1224
Delta R.T. 0.241 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 327.2 103.7 143.7#
77 305.3 63.0 103.0#

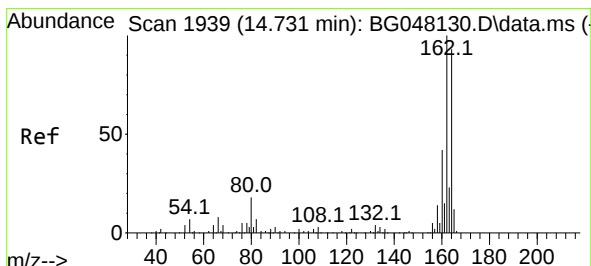
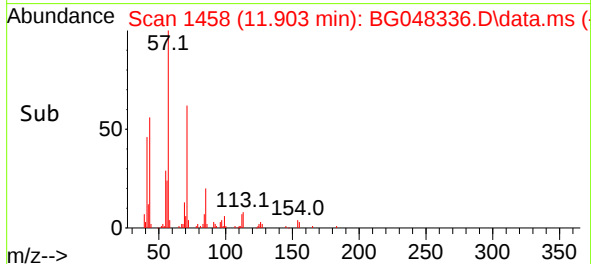
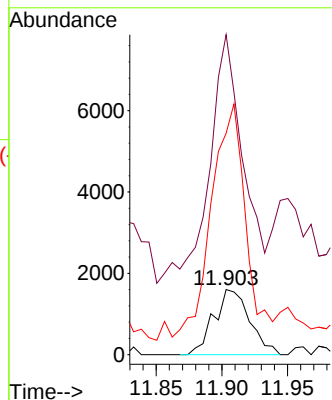
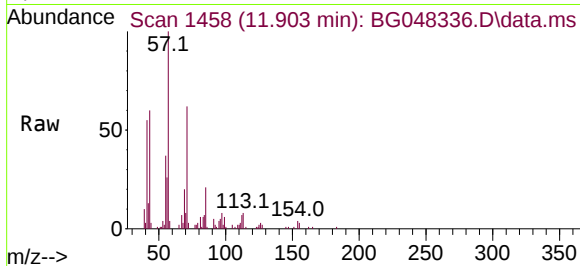




#35
Caprolactam
Concen: 2.67 ng
RT: 11.903 min Scan# 1458
Delta R.T. 0.023 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

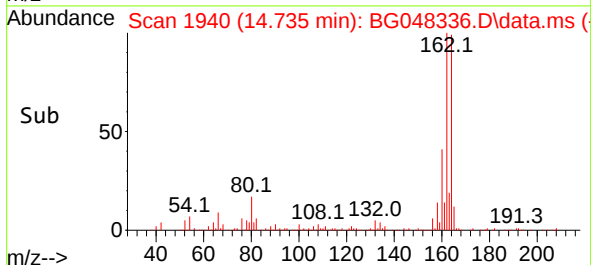
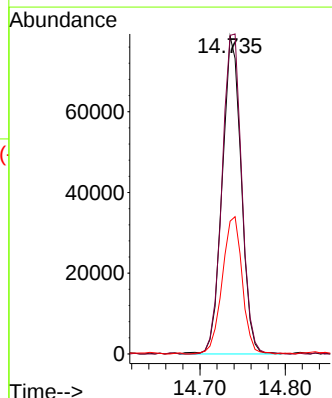
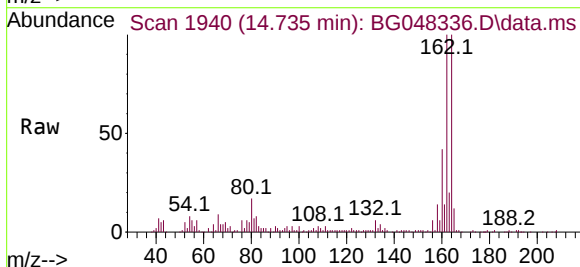
Instrument :
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ClientSampleId :
SU-03-030221

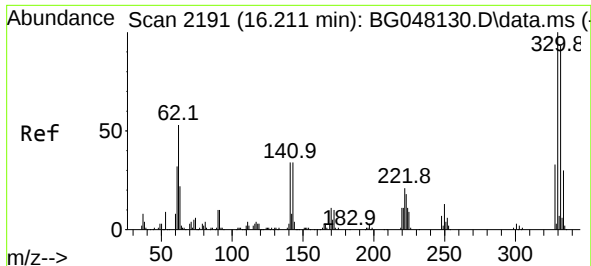
Tgt Ion:113 Resp: 3041
Ion Ratio Lower Upper
113 100
55 490.8 149.2 189.2#
56 339.6 107.2 147.2#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.735 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

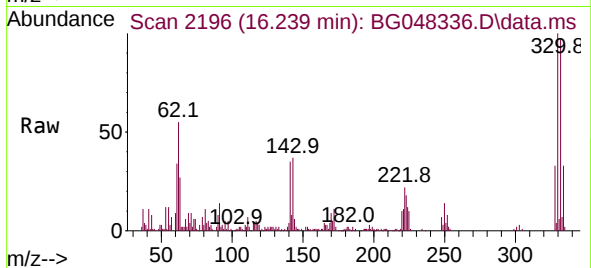
Tgt Ion:164 Resp: 121939
Ion Ratio Lower Upper
164 100
162 100.3 82.3 123.5
160 41.8 35.3 52.9



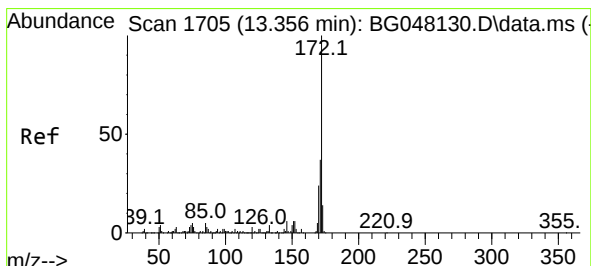
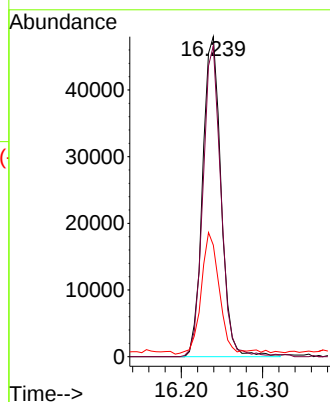
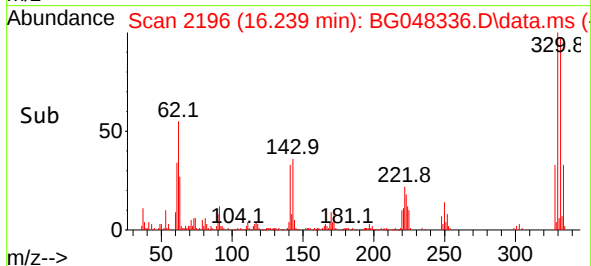


#42
2,4,6-Tribromophenol
Concen: 38.64 ng
RT: 16.239 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

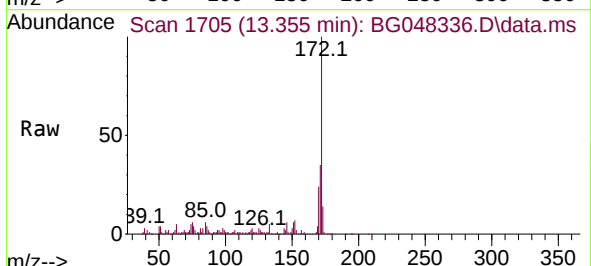
Instrument :
BNA_G
ClientSampled :
SU-03-030221



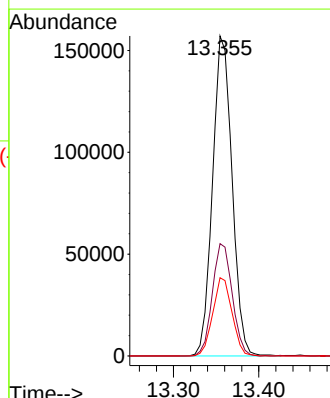
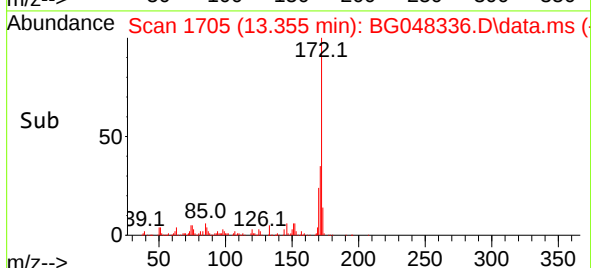
Tgt Ion:330 Resp: 75359
Ion Ratio Lower Upper
330 100
332 94.8 76.5 114.7
141 37.2 26.0 39.0

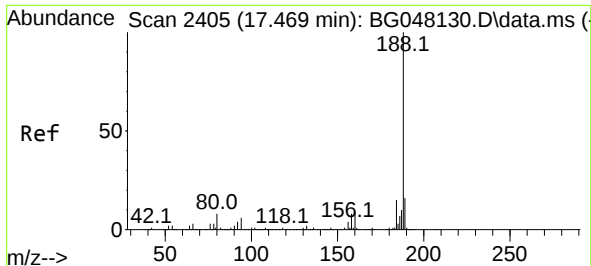


#45
2-Fluorobiphenyl
Concen: 28.72 ng
RT: 13.355 min Scan# 1705
Delta R.T. -0.006 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09



Tgt Ion:172 Resp: 249787
Ion Ratio Lower Upper
172 100
171 35.1 31.3 46.9
170 24.4 20.8 31.2

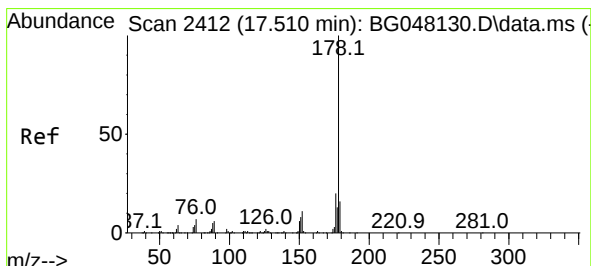
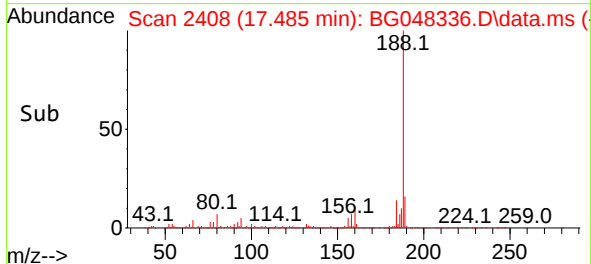
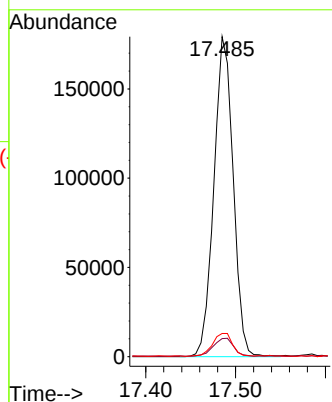
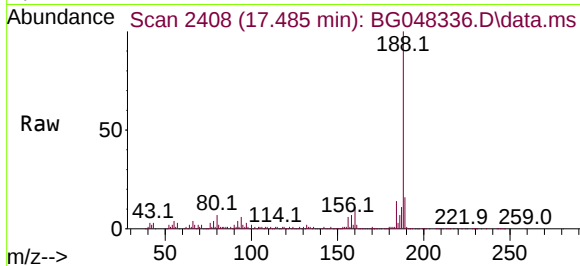




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.485 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

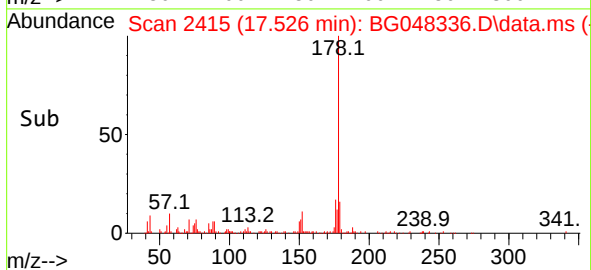
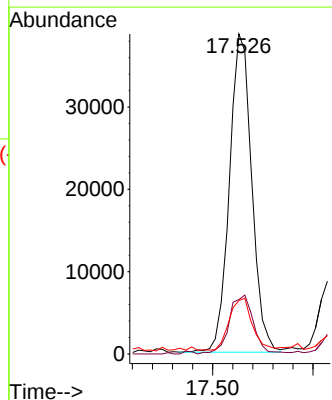
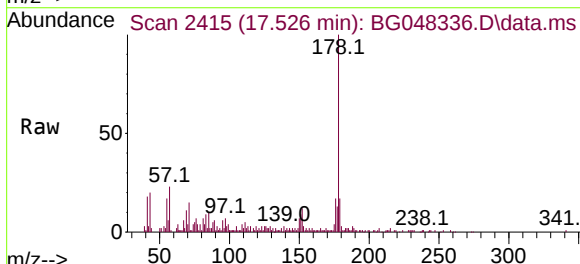
Instrument :
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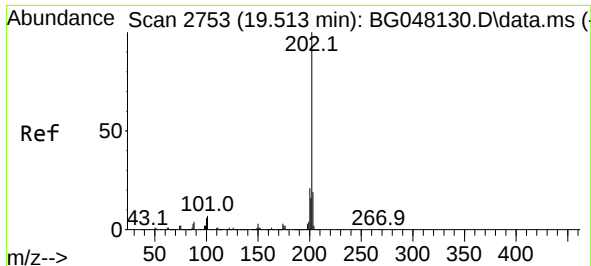
Tgt Ion:188 Resp: 267864
Ion Ratio Lower Upper
188 100
94 5.7 6.3 9.5#
80 7.2 7.0 10.6



#71
Phenanthrene
Concen: 4.10 ng
RT: 17.526 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

Tgt Ion:178 Resp: 59637
Ion Ratio Lower Upper
178 100
176 17.0 16.7 25.1
179 16.7 14.0 21.0

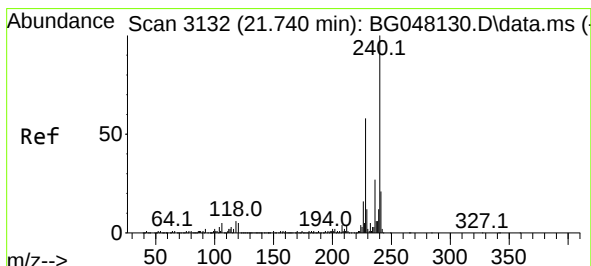
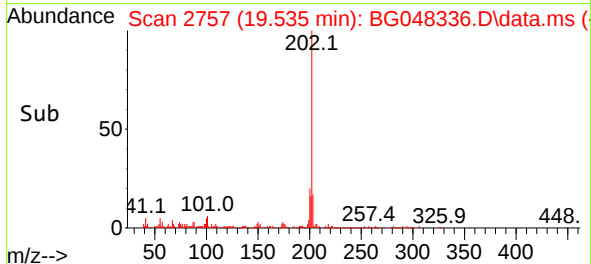
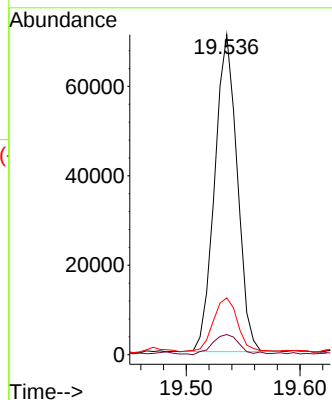
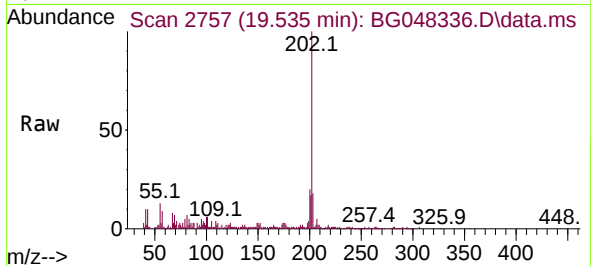




#75
Fluoranthene
Concen: 5.14 ng
RT: 19.535 min Scan# 2757
Delta R.T. -0.000 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

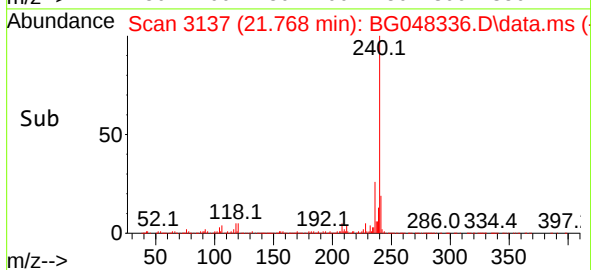
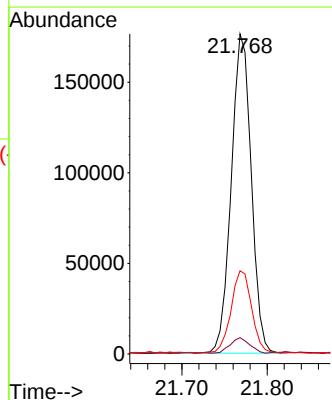
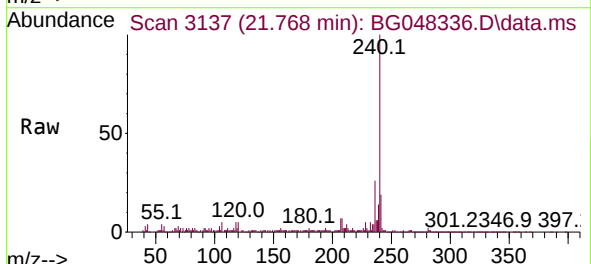
Instrument :
BNA_G
ClientSampleId :
SU-03-030221

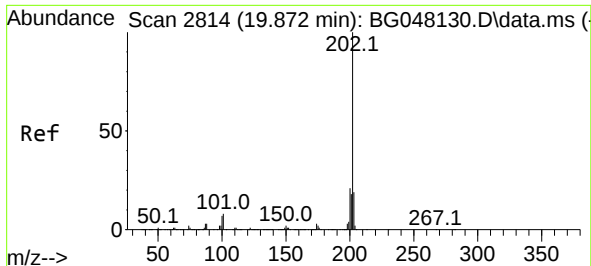
Tgt Ion:202 Resp: 97369
Ion Ratio Lower Upper
202 100
101 6.3 0.0 29.7
203 17.7 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.768 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

Tgt Ion:240 Resp: 287057
Ion Ratio Lower Upper
240 100
120 5.1 6.2 9.4#
236 26.0 20.5 30.7

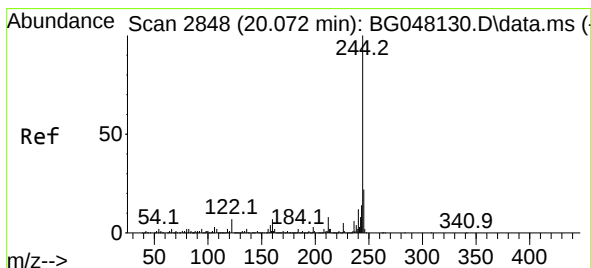
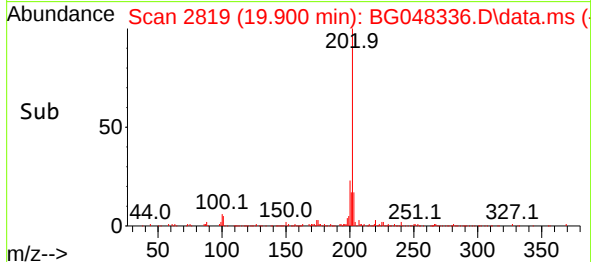
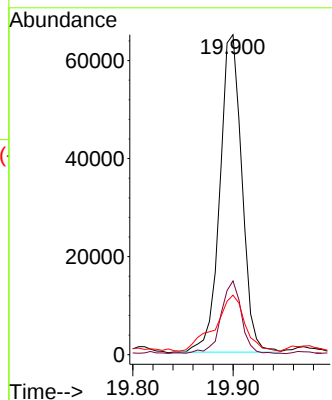
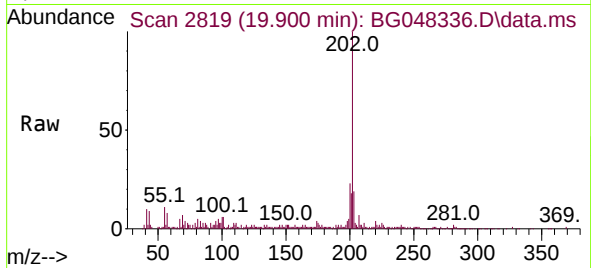




#78
Pyrene
Concen: 4.91 ng
RT: 19.900 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

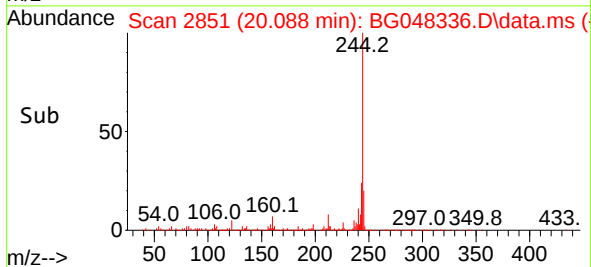
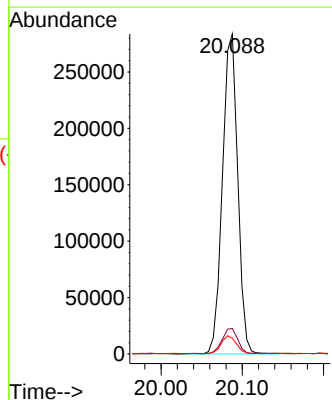
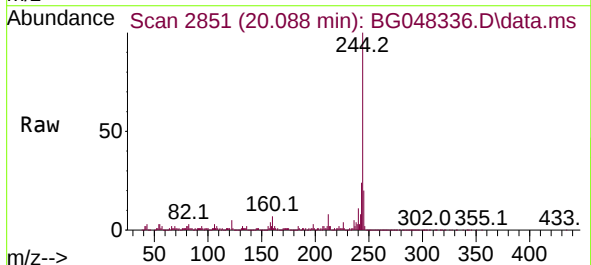
Instrument :
BNA_G
ClientSampleId :
SU-03-030221

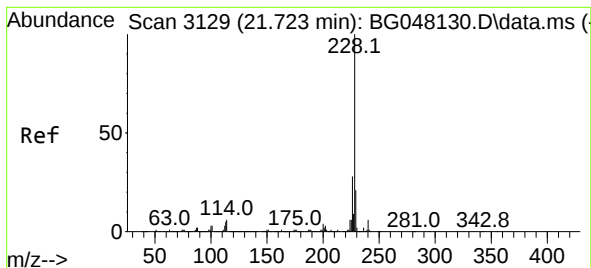
Tgt Ion:202 Resp: 98422
Ion Ratio Lower Upper
202 100
200 23.0 18.6 27.8
203 18.6 15.3 22.9



#79
Terphenyl-d14
Concen: 23.66 ng
RT: 20.088 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

Tgt Ion:244 Resp: 371661
Ion Ratio Lower Upper
244 100
212 8.0 6.7 10.1
122 4.9 7.8 11.6#

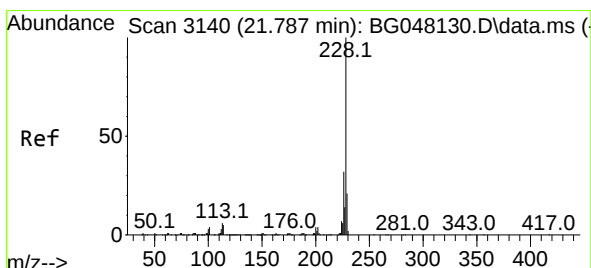
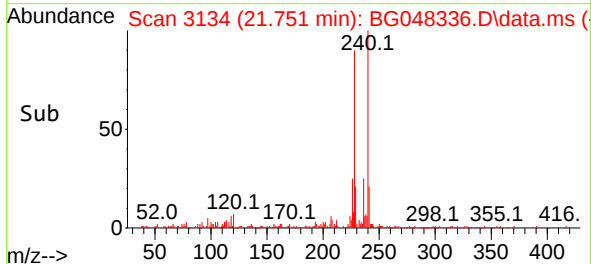
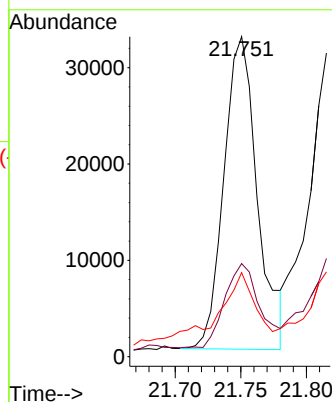
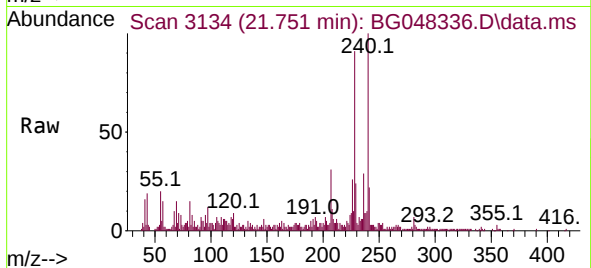




#81
Benzo(a)anthracene
Concen: 2.87 ng
RT: 21.751 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

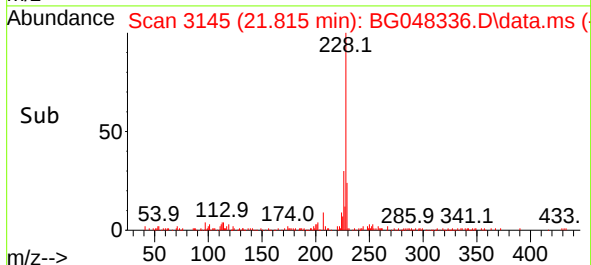
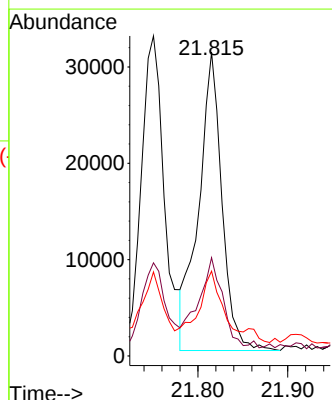
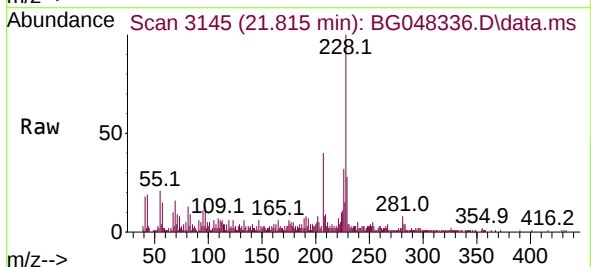
Instrument :
BNA_G
ClientSampleId :
SU-03-030221

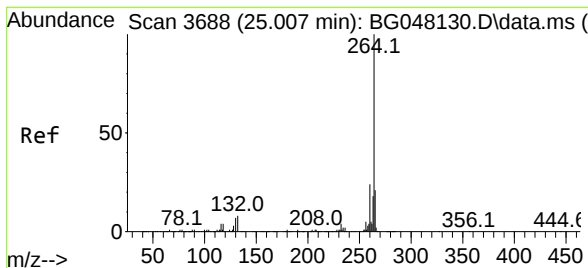
Tgt Ion:228 Resp: 57557
Ion Ratio Lower Upper
228 100
226 29.1 23.3 34.9
229 26.2 17.4 26.0#



#83
Chrysene
Concen: 2.93 ng
RT: 21.815 min Scan# 3145
Delta R.T. -0.000 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

Tgt Ion:228 Resp: 55985
Ion Ratio Lower Upper
228 100
226 32.4 25.0 37.4
229 27.9 17.3 25.9#

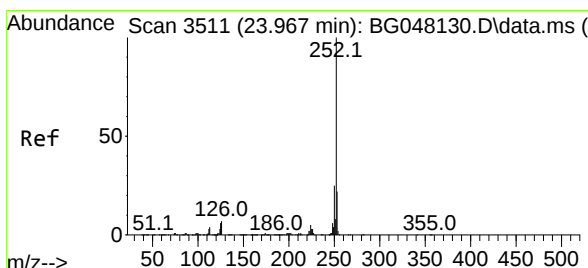
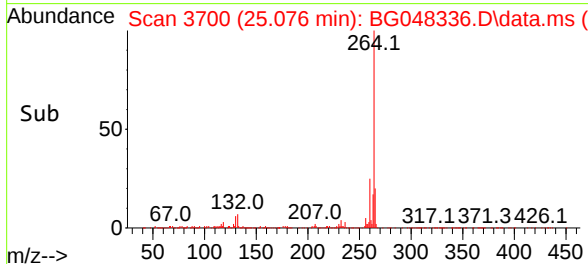
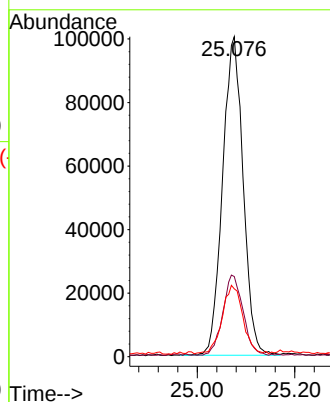
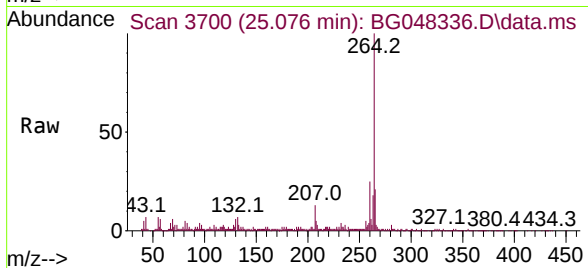




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.076 min Scan# 3700
Delta R.T. 0.011 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

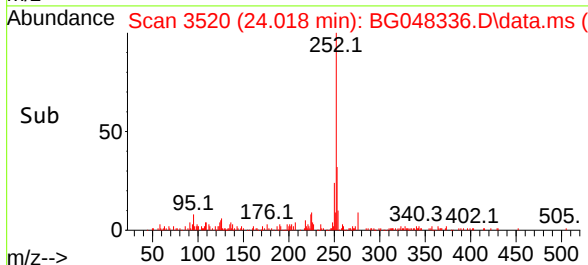
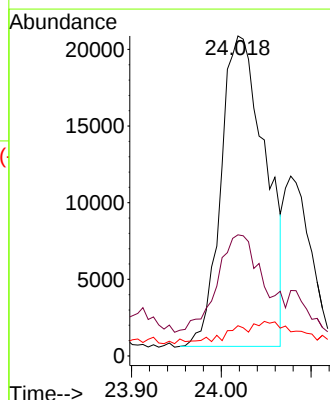
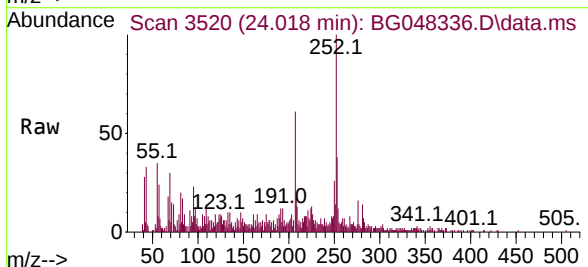
Instrument :
BNA_G
ClientSampleId :
SU-03-030221

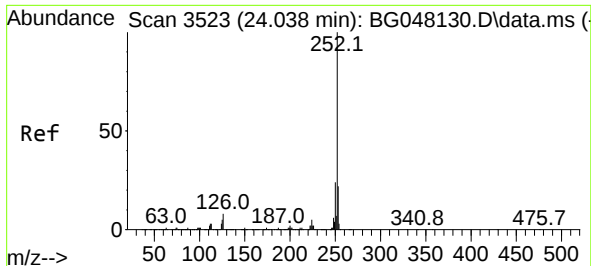
Tgt Ion:	264	Resp:	293275
Ion Ratio	Lower	Upper	
264	100		
260	25.1	18.8	28.2
265	21.2	17.8	26.8



#88
Benzo(b)fluoranthene
Concen: 3.42 ng
RT: 24.018 min Scan# 3520
Delta R.T. -0.000 min
Lab File: BG048336.D
Acq: 4 Mar 2021 20:09

Tgt Ion:	252	Resp:	69410
Ion Ratio	Lower	Upper	
252	100		
253	37.9	18.7	28.1#
125	9.4	6.5	9.7





#89

Benzo(k)fluoranthene

Concen: 3.61 ng

RT: 24.018 min Scan# 3520

Delta R.T. -0.065 min

Lab File: BG048336.D

Acq: 4 Mar 2021 20:09

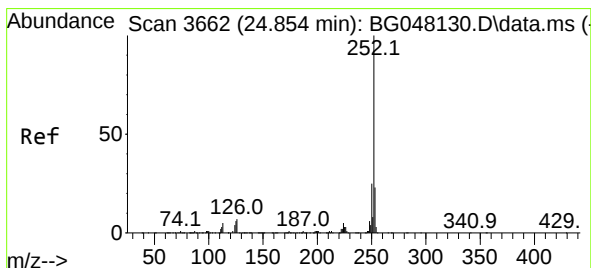
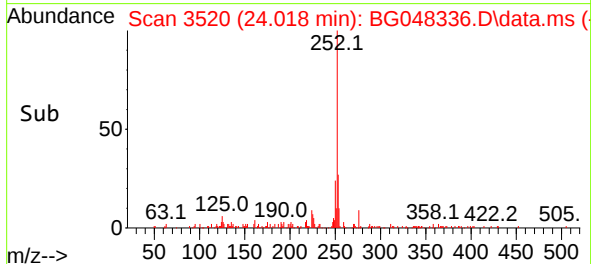
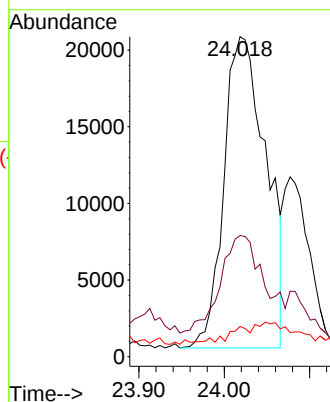
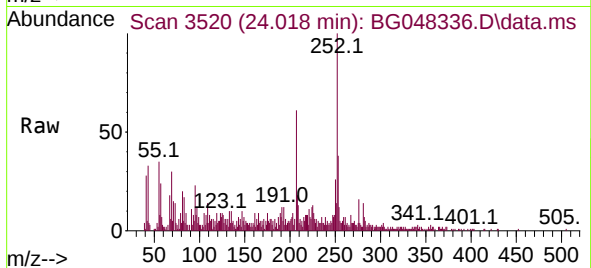
Instrument :

BNA_G

ClientSampleId :

SU-03-030221

Tgt Ion:252 Resp: 69792
 Ion Ratio Lower Upper
 252 100
 253 37.9 18.6 27.8#
 125 9.4 6.8 10.2



#90

Benzo(a)pyrene

Concen: 2.78 ng

RT: 24.912 min Scan# 3672

Delta R.T. -0.000 min

Lab File: BG048336.D

Acq: 4 Mar 2021 20:09

Tgt Ion:252 Resp: 52236
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.9 26.9
 125 10.5 7.0 10.4#

