

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031921\
 Data File : BG048438.D
 Acq On : 20 Mar 2021 00:29
 Operator : CG/JU
 Sample : M1722-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-031821

Quant Time: Mar 20 01:05:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 18 16:38:55 2021
 Response via : Initial Calibration

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

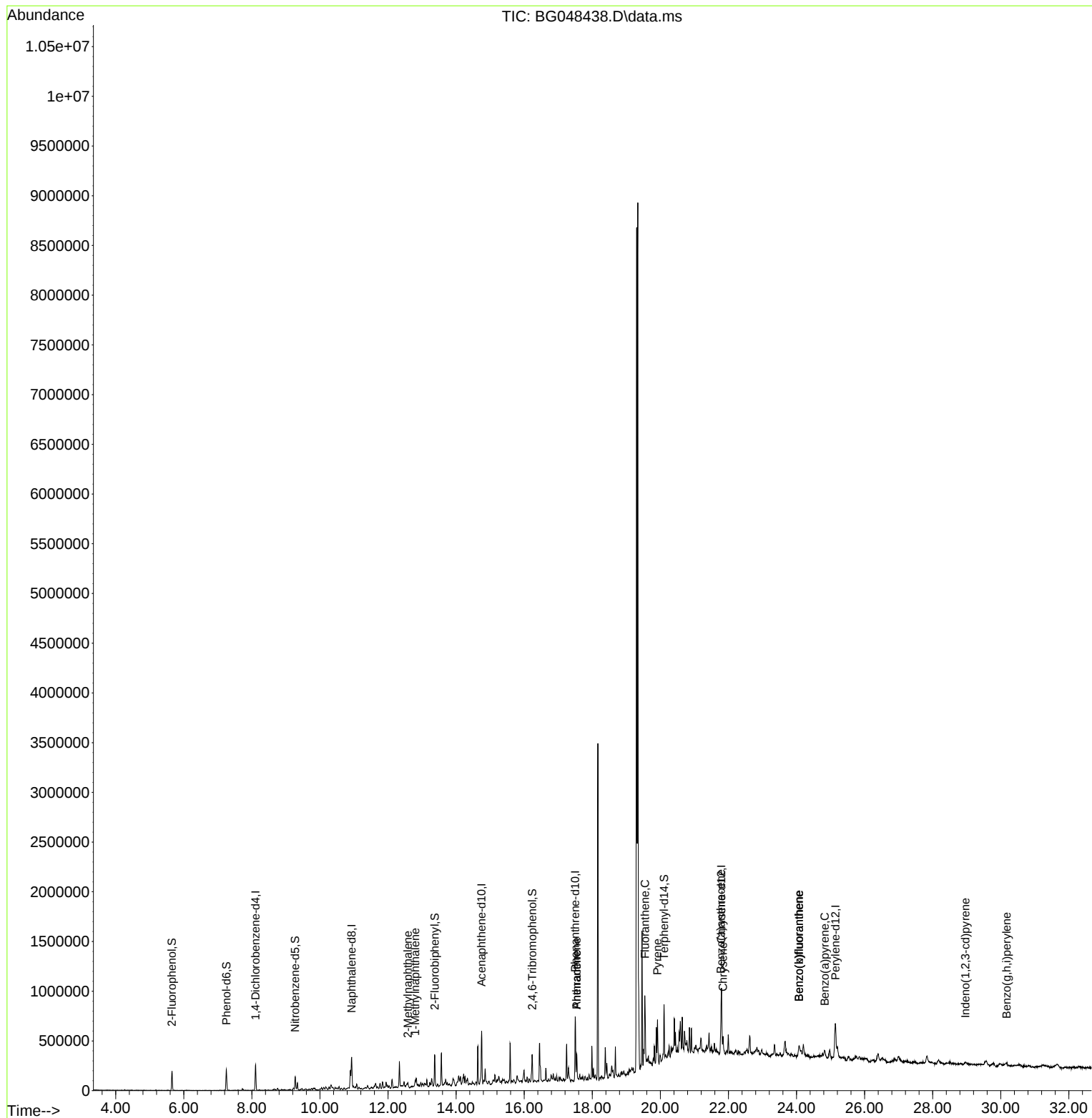
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	68520	20.00	ng	0.00
21) Naphthalene-d8	10.931	136	248493	20.00	ng	0.00
39) Acenaphthene-d10	14.750	164	182885	20.00	ng	0.00
64) Phenanthrene-d10	17.500	188	401211	20.00	ng	# 0.00
76) Chrysene-d12	21.795	240	404841	20.00	ng	# 0.00
86) Perylene-d12	25.144	264	418811	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.655	112	75881	18.31	ng	0.00
7) Phenol-d6	7.253	99	105234	17.45	ng	0.00
23) Nitrobenzene-d5	9.274	82	78967	12.71	ng	0.00
42) 2,4,6-Tribromophenol	16.237	330	51705	17.38	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	160963	12.66	ng	0.00
79) Terphenyl-d14	20.109	244	249186	11.10	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.241	77	865	Below Cal	#	17
37) 2-Methylnaphthalene	12.582	142	21090	2.01 ng		91
38) 1-Methylnaphthalene	12.800	142	26502	2.68 ng	#	93
71) Phenanthrene	17.541	178	165746	7.82 ng		94
72) Anthracene	17.541	178	165746	7.88 ng		95
75) Fluoranthene	19.550	202	227806	8.07 ng		95
78) Pyrene	19.915	202	260438	9.37 ng		99
81) Benzo(a)anthracene	21.777	228	133123	4.74 ng		97
83) Chrysene	21.842	228	124487	4.62 ng		96
87) Indeno(1,2,3-cd)pyrene	28.963	276	65092	2.04 ng	#	67
88) Benzo(b)fluoranthene	24.075	252	138045	4.68 ng	#	92
89) Benzo(k)fluoranthene	24.075	252	138045	4.96 ng	#	92
90) Benzo(a)pyrene	24.827	252	74735	2.78 ng		94
92) Benzo(g,h,i)perylene	30.167	276	53696	2.03 ng		95

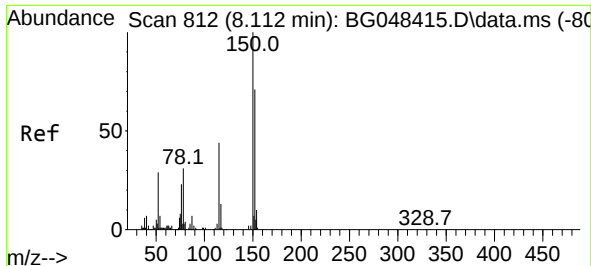
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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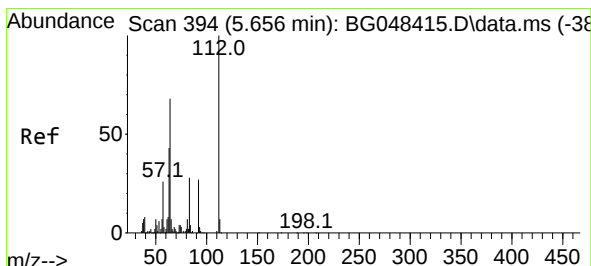
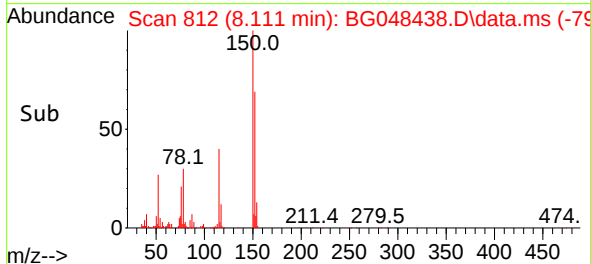
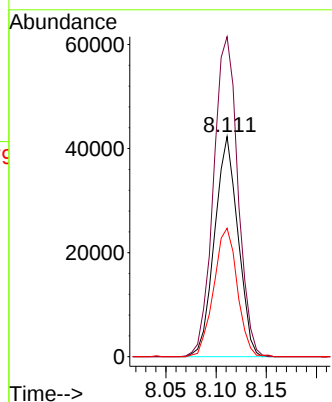
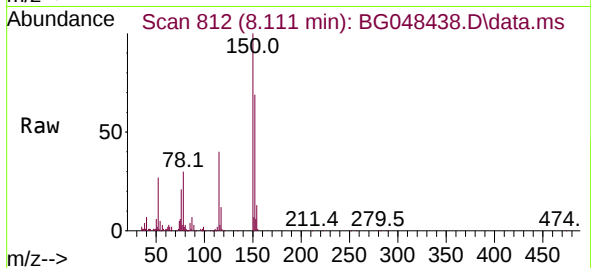




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.111 min Scan# 812
Delta R.T. -0.001 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

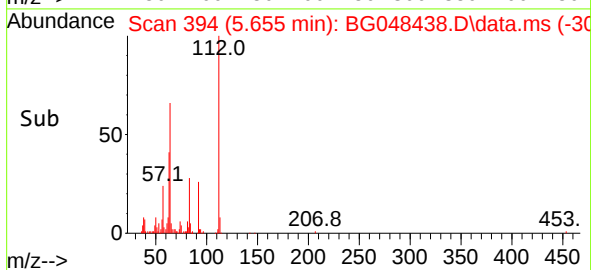
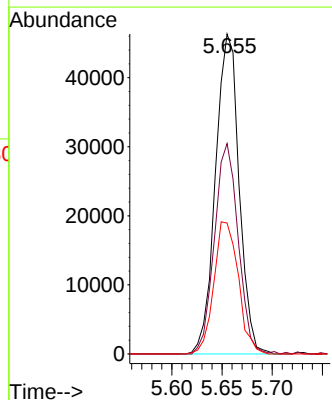
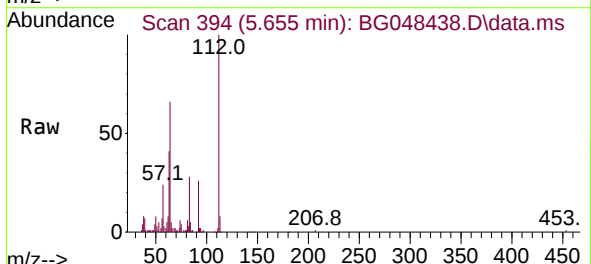
Instrument :
BNA_G
ClientSampleId :
HD-01-031821

Tgt Ion:152 Resp: 68520
Ion Ratio Lower Upper
152 100
150 145.3 125.0 187.6
115 58.3 41.8 62.6



#5
2-Fluorophenol
Concen: 18.31 ng
RT: 5.655 min Scan# 394
Delta R.T. -0.001 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion:112 Resp: 75881
Ion Ratio Lower Upper
112 100
64 65.7 46.7 70.1
63 40.9 22.8 34.2#

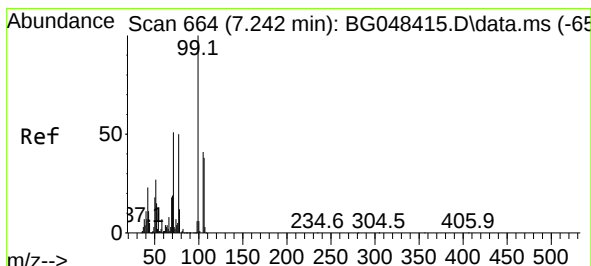
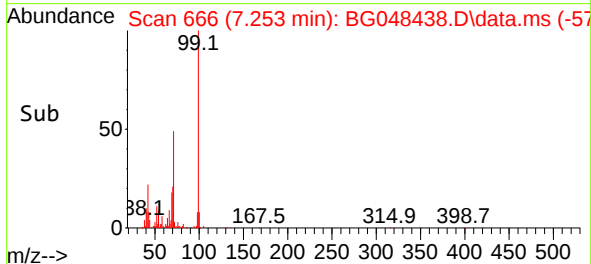
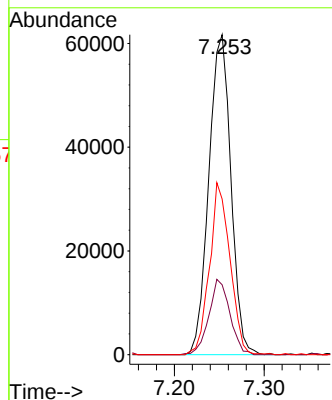
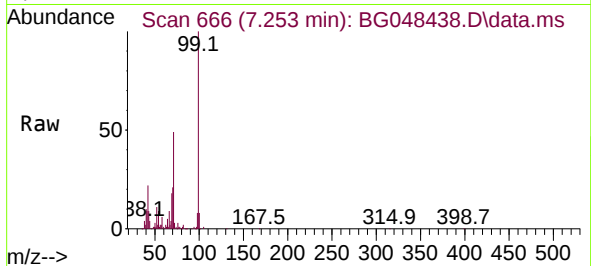




#7
Phenol-d6
Concen: 17.45 ng
RT: 7.253 min Scan# 666
Delta R.T. -0.001 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

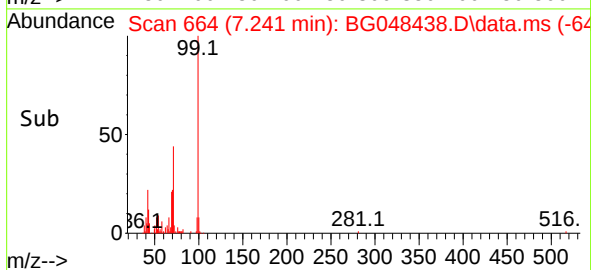
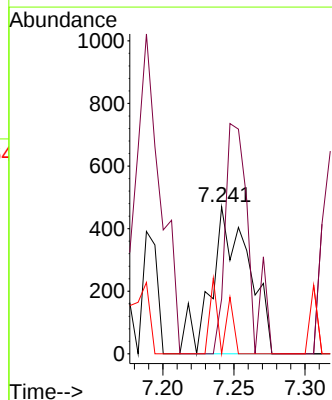
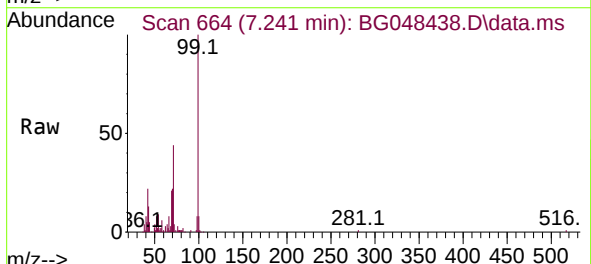
Instrument :
BNA_G
ClientSampleId :
HD-01-031821

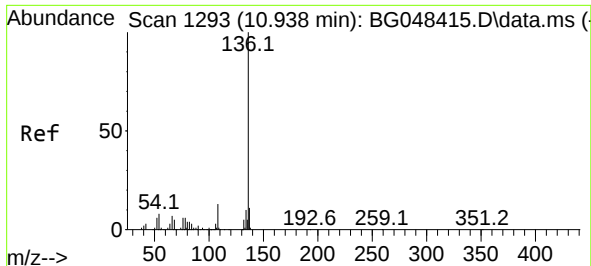
Tgt Ion: 99 Resp: 105234
Ion Ratio Lower Upper
99 100
42 21.8 12.8 19.2#
71 48.7 24.6 36.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.241 min Scan# 664
Delta R.T. -0.001 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion: 77 Resp: 865
Ion Ratio Lower Upper
77 100
105 37.4 85.9 125.9#
106 0.0 80.9 120.9#

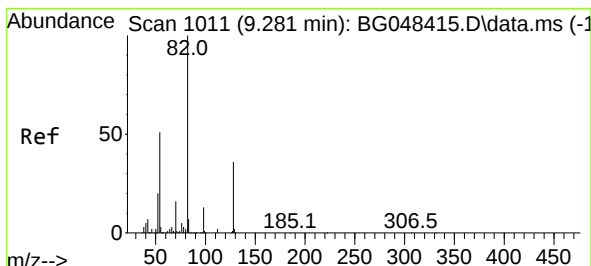
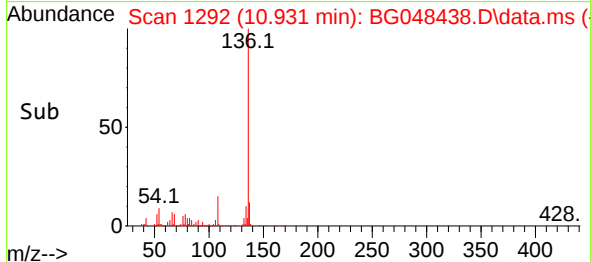
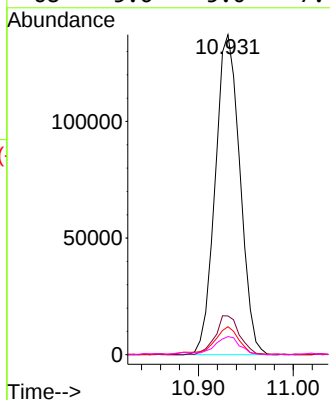
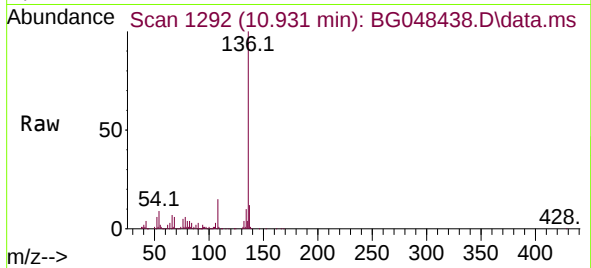




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.931 min Scan# 1292
Delta R.T. -0.007 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

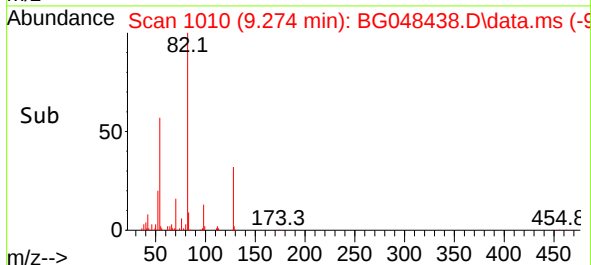
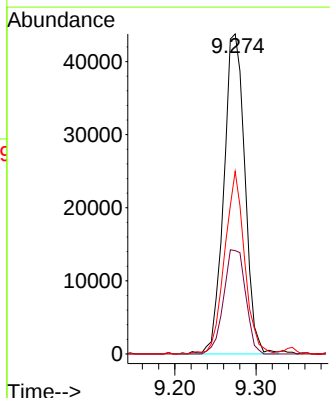
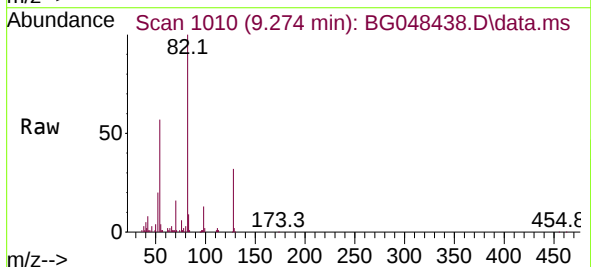
Instrument :
BNA_G
ClientSampleId :
HD-01-031821

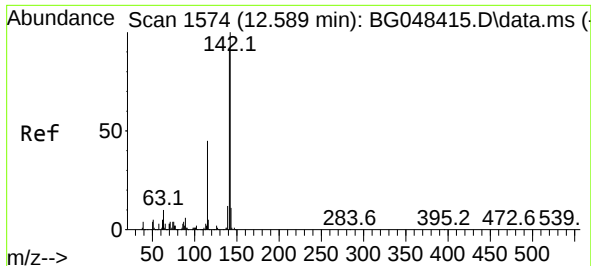
Tgt Ion:	136	Resp:	248493
Ion Ratio	Lower	Upper	
136	100		
137	12.1	9.1	13.7
54	8.8	6.2	9.4
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 12.71 ng
RT: 9.274 min Scan# 1010
Delta R.T. -0.007 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion:	82	Resp:	78967
Ion Ratio	Lower	Upper	
82	100		
128	32.3	37.0	55.6#
54	57.1	39.0	58.4

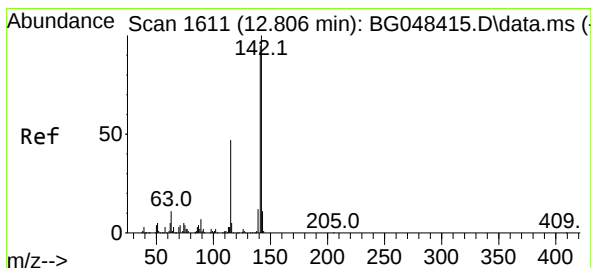
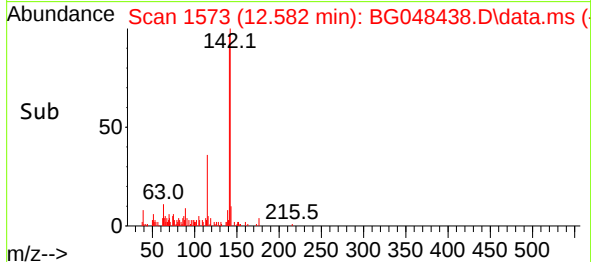
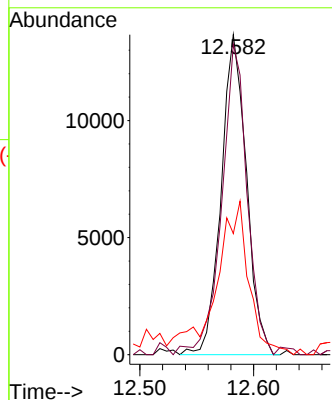
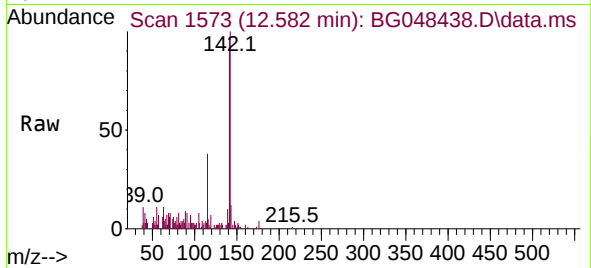




#37
2-Methylnaphthalene
Concen: 2.01 ng
RT: 12.582 min Scan# 1573
Delta R.T. -0.007 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

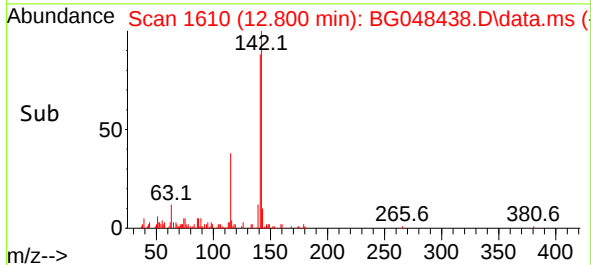
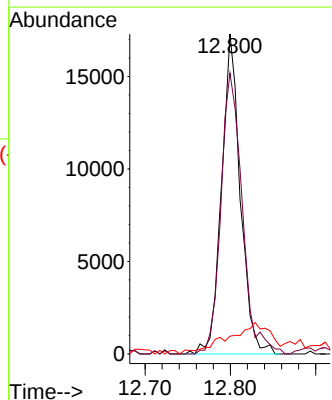
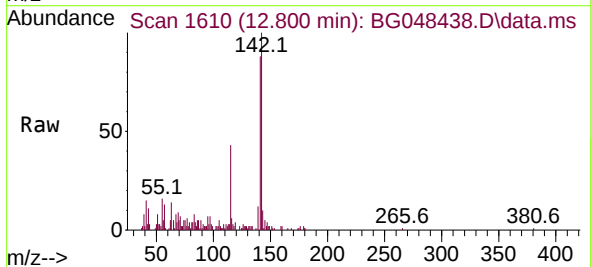
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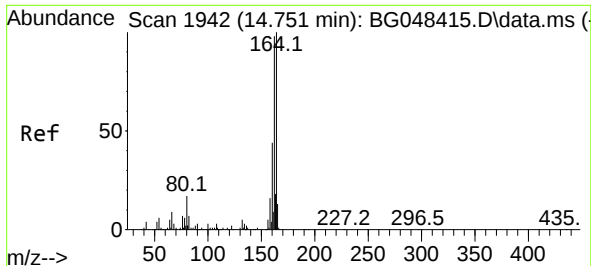
Tgt Ion:142 Resp: 21090
Ion Ratio Lower Upper
142 100
141 97.0 71.6 107.4
115 37.9 25.4 38.2



#38
1-Methylnaphthalene
Concen: 2.68 ng
RT: 12.800 min Scan# 1610
Delta R.T. -0.007 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion:142 Resp: 26502
Ion Ratio Lower Upper
142 100
141 87.8 75.4 113.2
116 5.5 2.9 4.3#

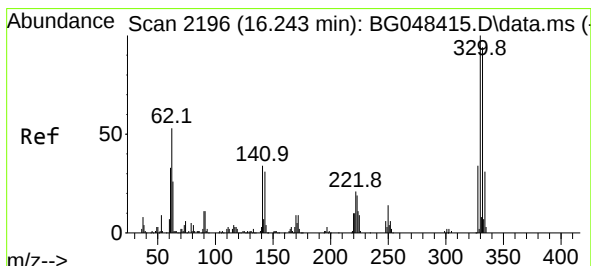
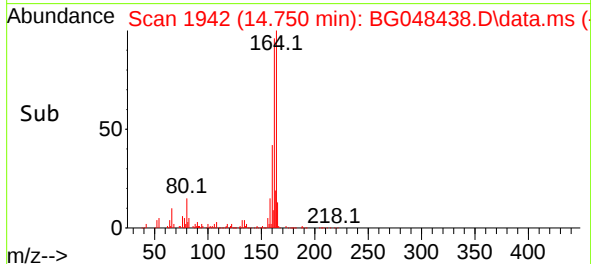
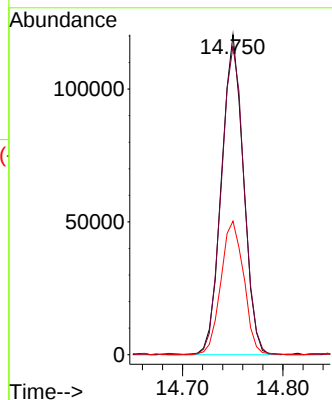
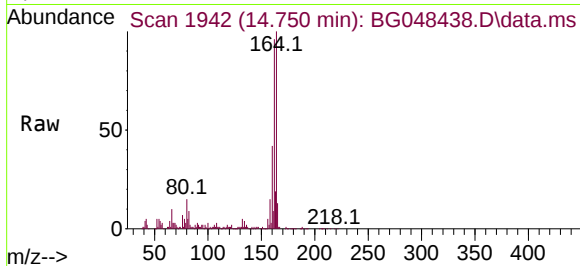




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.750 min Scan# 1942
Delta R.T. -0.001 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

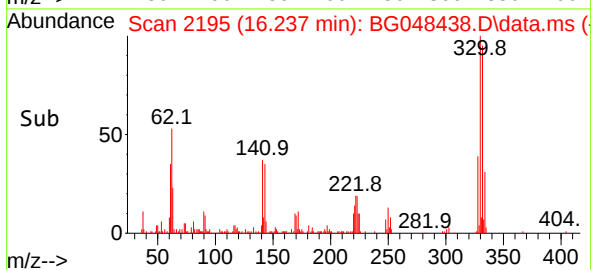
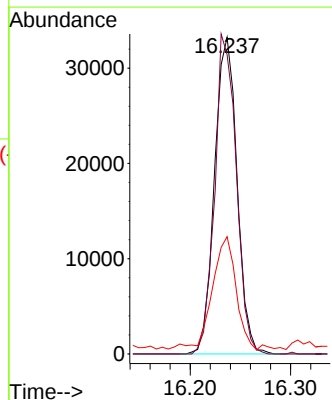
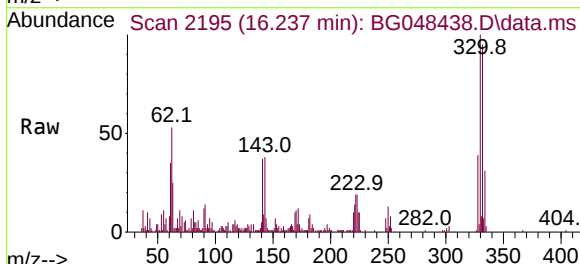
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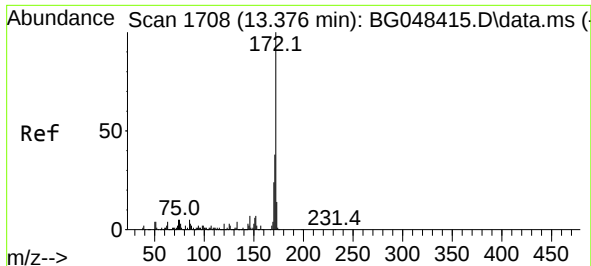
Tgt Ion:164 Resp: 182885
Ion Ratio Lower Upper
164 100
162 96.4 82.3 123.5
160 41.8 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 17.38 ng
RT: 16.237 min Scan# 2195
Delta R.T. -0.007 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion:330 Resp: 51705
Ion Ratio Lower Upper
330 100
332 96.6 76.5 114.7
141 37.1 26.0 39.0

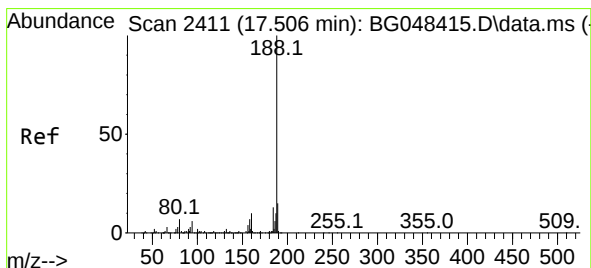
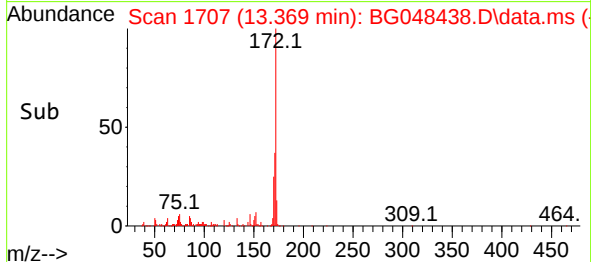
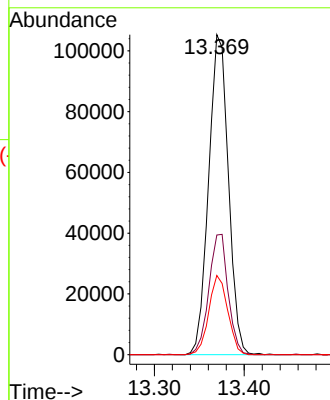
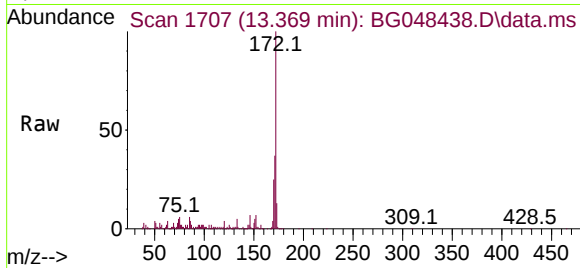




#45
2-Fluorobiphenyl
Concen: 12.66 ng
RT: 13.369 min Scan# 1707
Delta R.T. -0.007 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

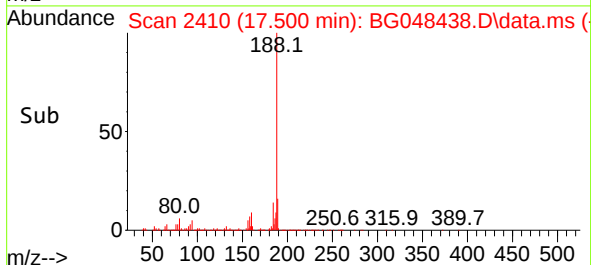
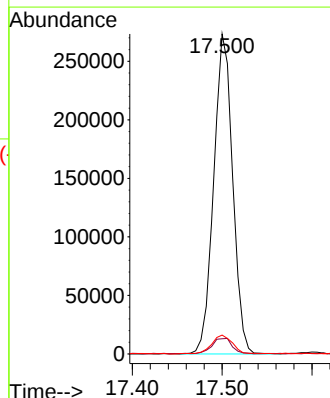
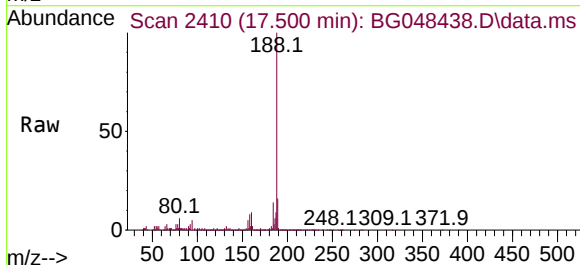
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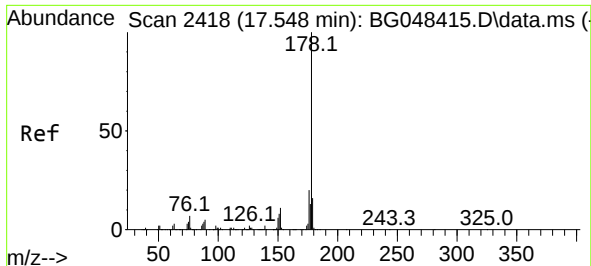
Tgt Ion:	172	Resp:	160963
Ion Ratio	Lower	Upper	
172	100		
171	37.4	31.3	46.9
170	24.7	20.8	31.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.500 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion:	188	Resp:	401211
Ion Ratio	Lower	Upper	
188	100		
94	4.8	6.3	9.5#
80	5.9	7.0	10.6#

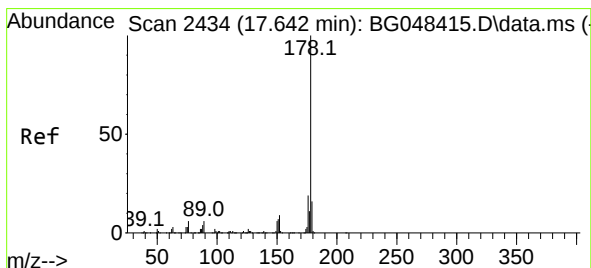
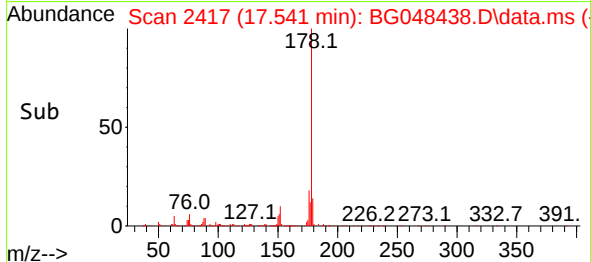
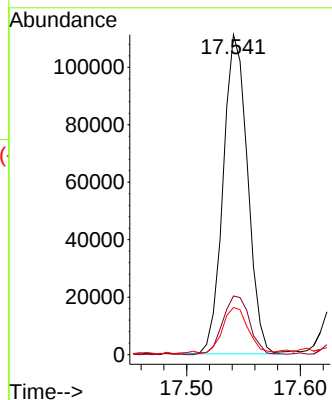
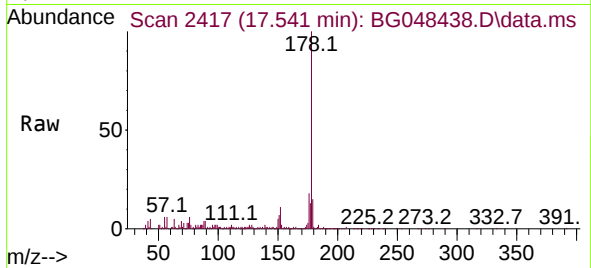




#71
Phenanthrene
Concen: 7.82 ng
RT: 17.541 min Scan# 2417
Delta R.T. -0.007 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

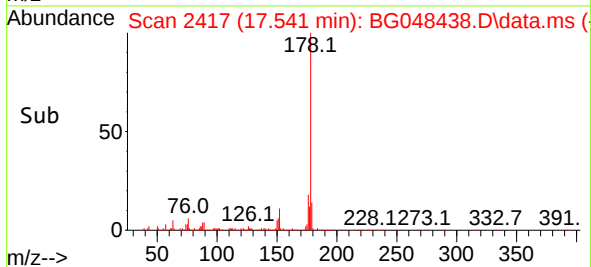
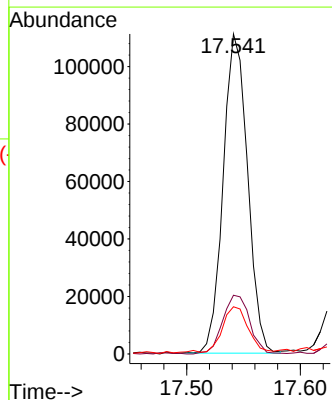
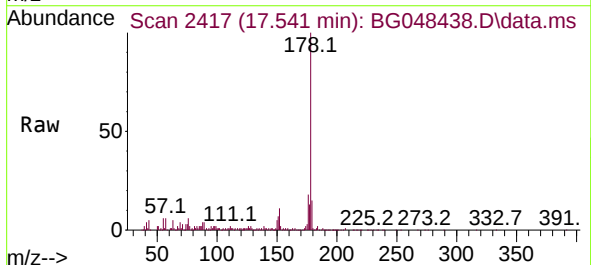
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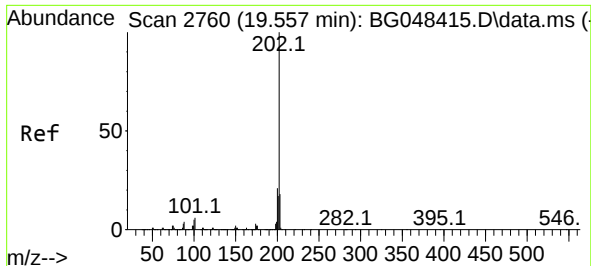
Tgt Ion:178 Resp: 165746
Ion Ratio Lower Upper
178 100
176 18.3 16.7 25.1
179 14.7 14.0 21.0



#72
Anthracene
Concen: 7.88 ng
RT: 17.541 min Scan# 2417
Delta R.T. -0.101 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion:178 Resp: 165746
Ion Ratio Lower Upper
178 100
176 18.3 16.4 24.6
179 14.7 13.8 20.6

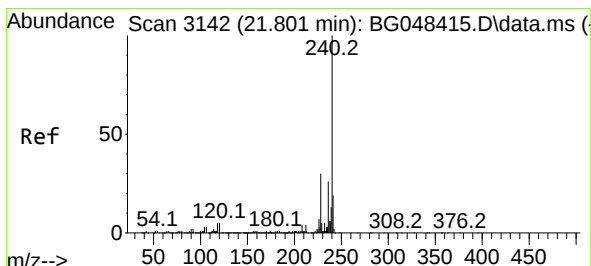
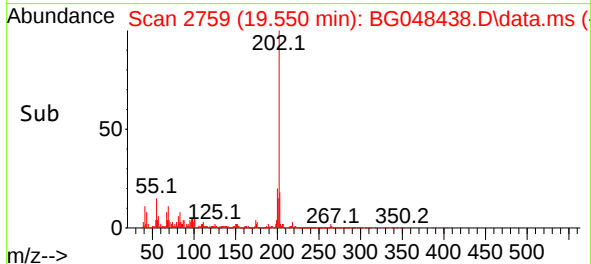
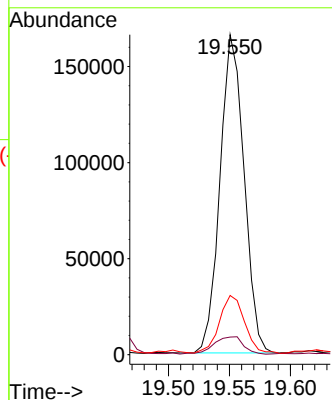
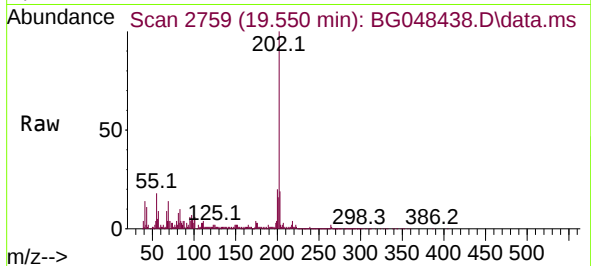




#75
Fluoranthene
Concen: 8.07 ng
RT: 19.550 min Scan# 2759
Delta R.T. -0.007 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

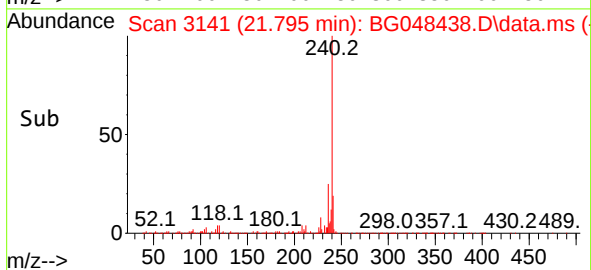
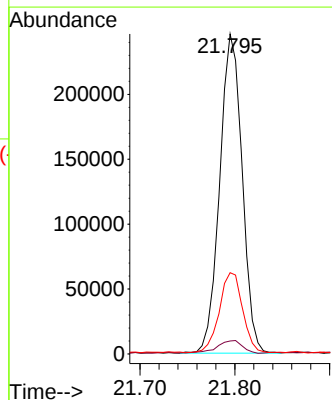
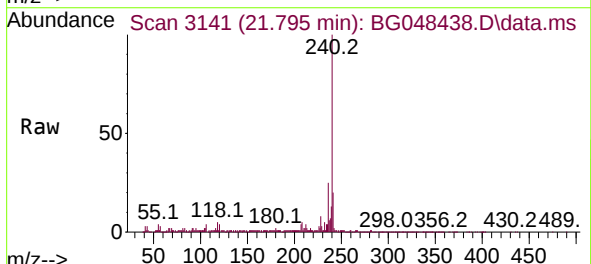
Instrument :
BNA_G
ClientSampleId :
HD-01-031821

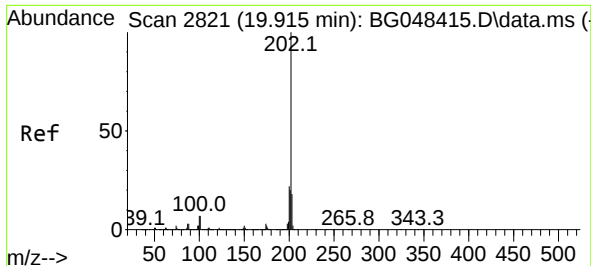
Tgt Ion:202 Resp: 227806
Ion Ratio Lower Upper
202 100
101 5.5 0.0 29.7
203 18.5 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.795 min Scan# 3141
Delta R.T. -0.007 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion:240 Resp: 404841
Ion Ratio Lower Upper
240 100
120 4.0 6.2 9.4#
236 25.4 20.5 30.7

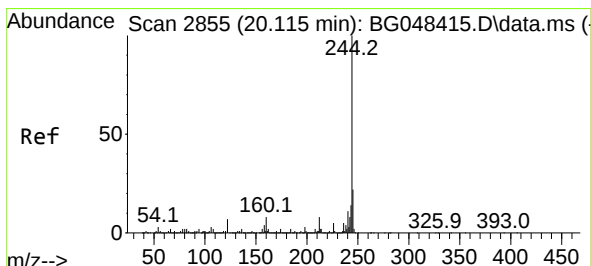
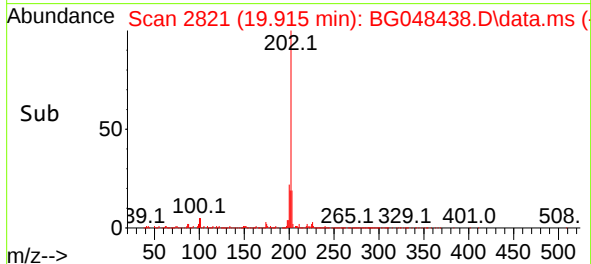
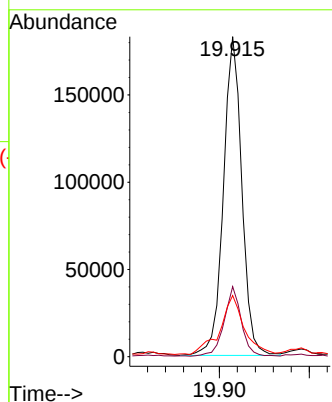
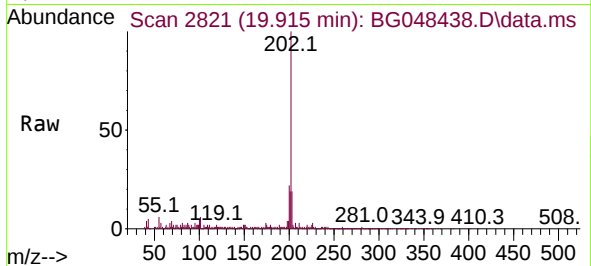




#78
Pyrene
Concen: 9.37 ng
RT: 19.915 min Scan# 2821
Delta R.T. -0.001 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

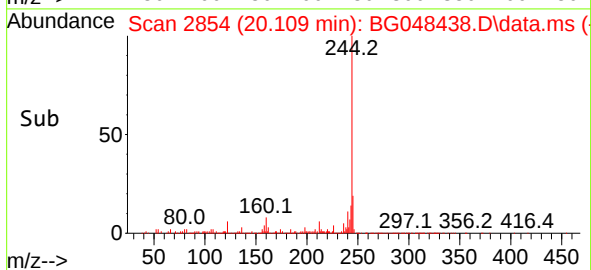
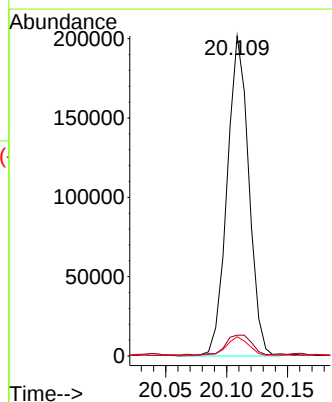
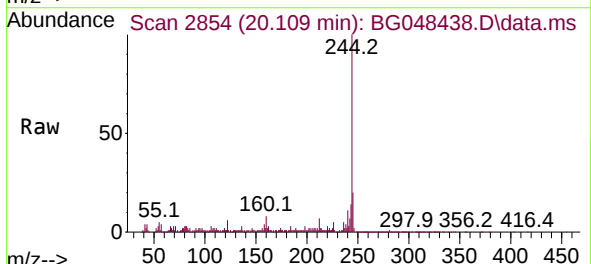
Instrument :
BNA_G
ClientSampleId :
HD-01-031821

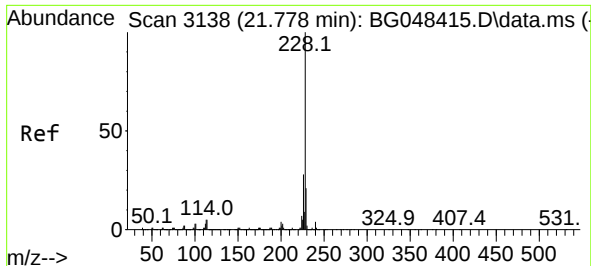
Tgt Ion:202 Resp: 260438
Ion Ratio Lower Upper
202 100
200 21.9 18.6 27.8
203 19.1 15.3 22.9



#79
Terphenyl-d14
Concen: 11.10 ng
RT: 20.109 min Scan# 2854
Delta R.T. -0.006 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion:244 Resp: 249186
Ion Ratio Lower Upper
244 100
212 6.5 6.7 10.1#
122 6.0 7.8 11.6#

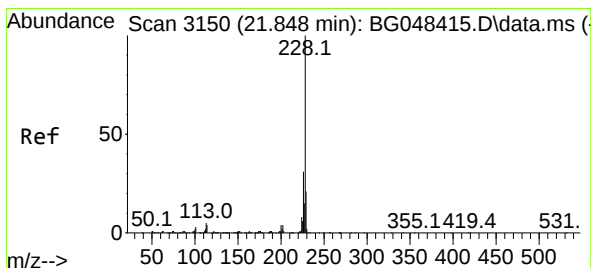
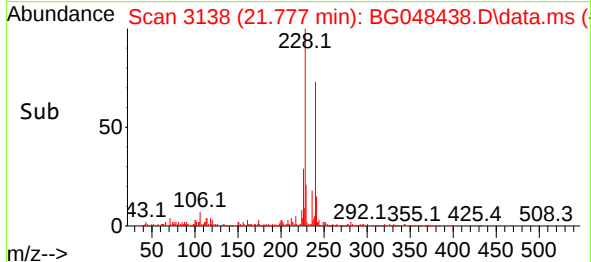
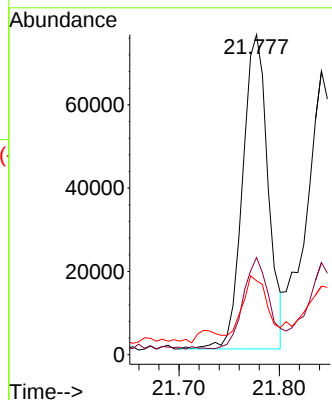
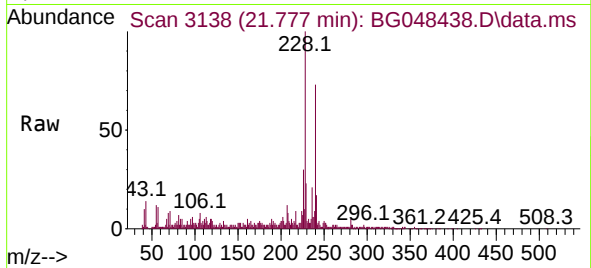




#81
Benzo(a)anthracene
Concen: 4.74 ng
RT: 21.777 min Scan# 3138
Delta R.T. -0.001 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

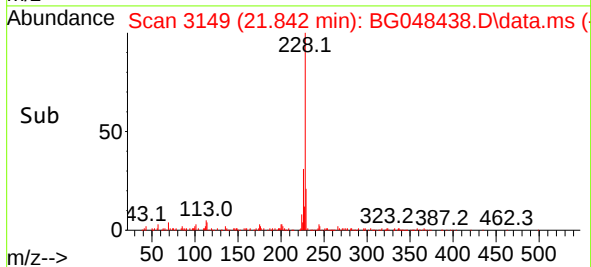
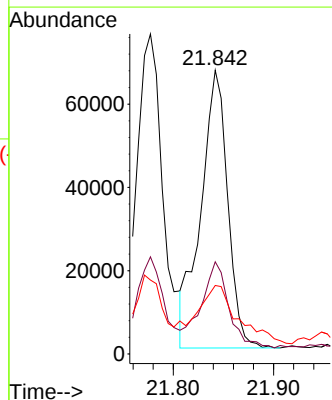
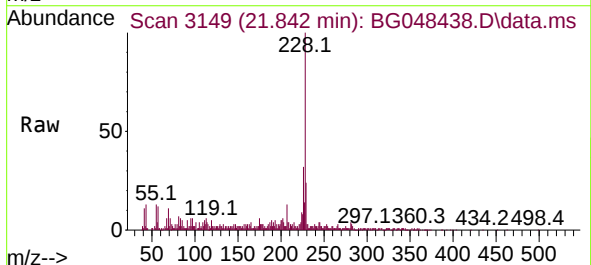
Instrument :
BNA_G
ClientSampleId :
HD-01-031821

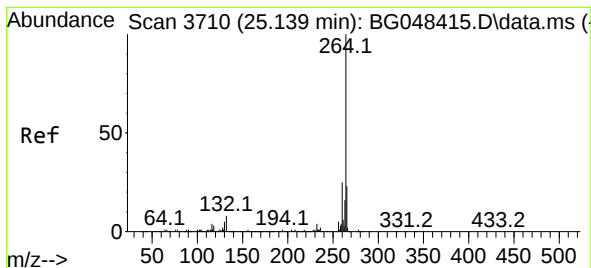
Tgt Ion:228 Resp: 133123
Ion Ratio Lower Upper
228 100
226 30.4 23.3 34.9
229 23.1 17.4 26.0



#83
Chrysene
Concen: 4.62 ng
RT: 21.842 min Scan# 3149
Delta R.T. -0.007 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion:228 Resp: 124487
Ion Ratio Lower Upper
228 100
226 32.5 25.0 37.4
229 24.2 17.3 25.9

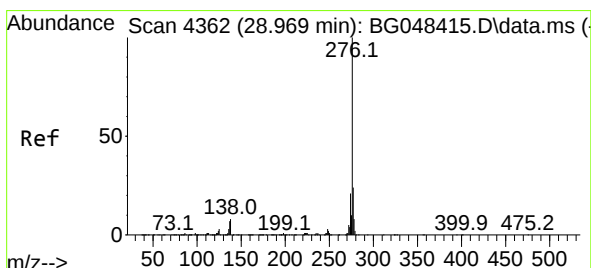
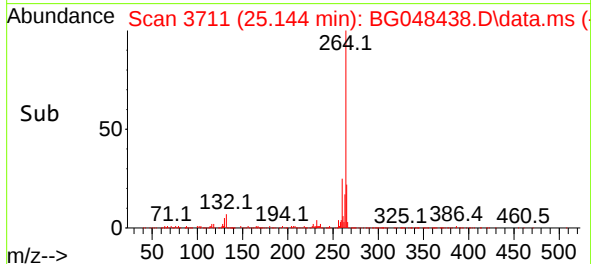
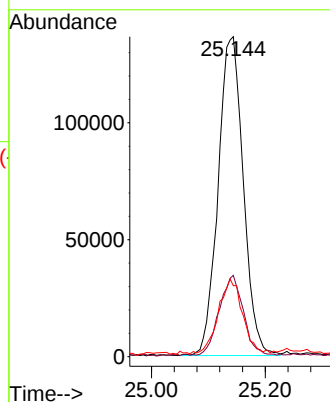
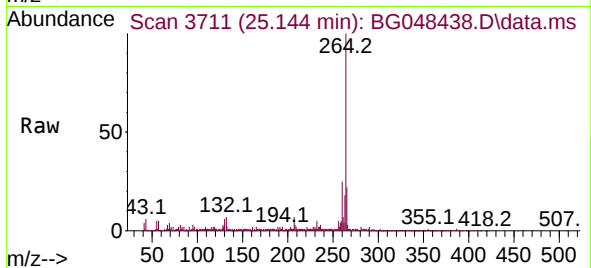




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.144 min Scan# 3711
Delta R.T. 0.005 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

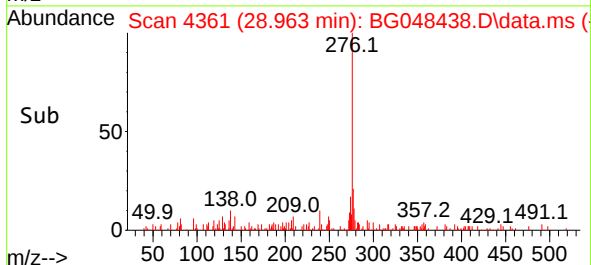
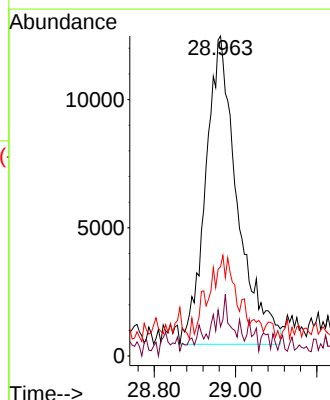
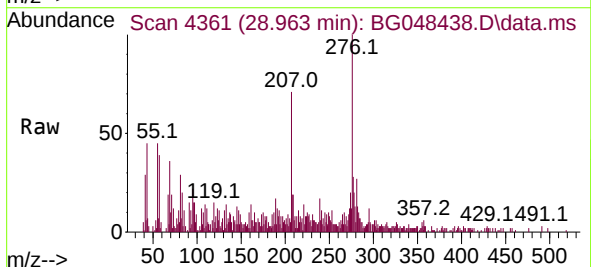
Instrument :
BNA_G
ClientSampleId :
HD-01-031821

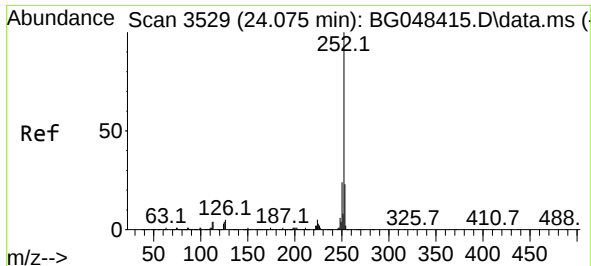
Tgt Ion:264 Resp: 418811
Ion Ratio Lower Upper
264 100
260 25.4 18.8 28.2
265 22.2 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.04 ng
RT: 28.963 min Scan# 4361
Delta R.T. -0.006 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion:276 Resp: 65092
Ion Ratio Lower Upper
276 100
138 3.3 16.2 24.2#
277 10.1 20.3 30.5#

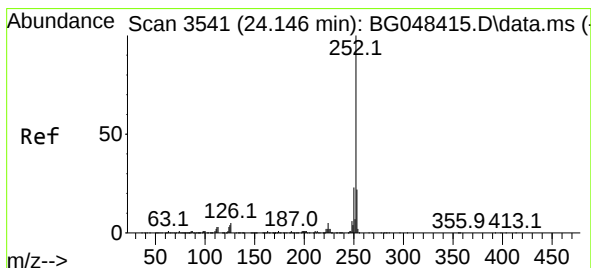
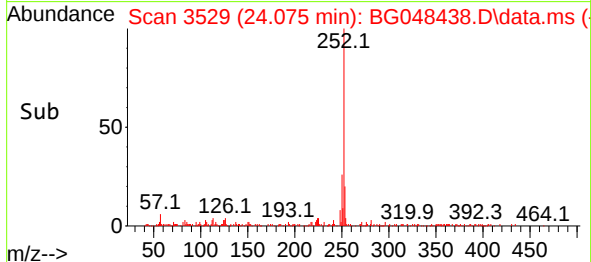
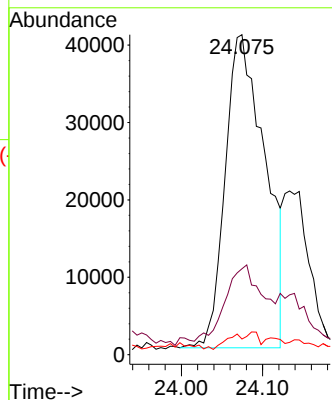
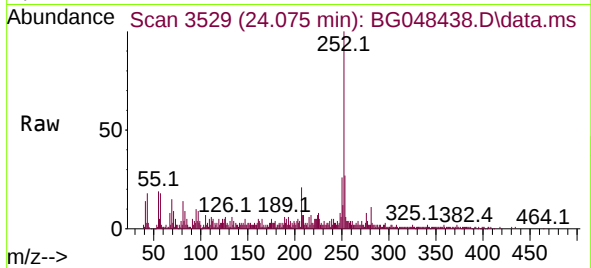




#88
Benzo(b)fluoranthene
Concen: 4.68 ng
RT: 24.075 min Scan# 3529
Delta R.T. -0.001 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

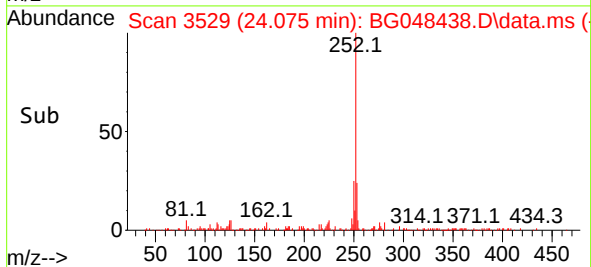
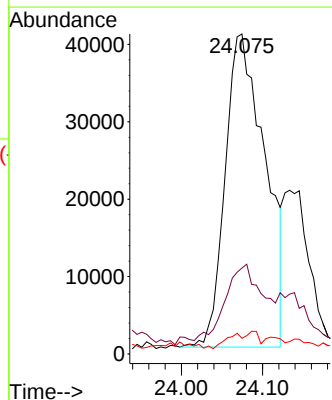
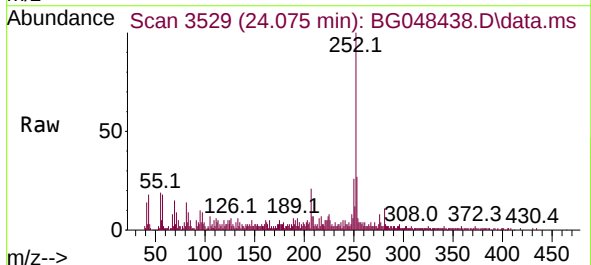
Instrument :
BNA_G
ClientSampleId :
HD-01-031821

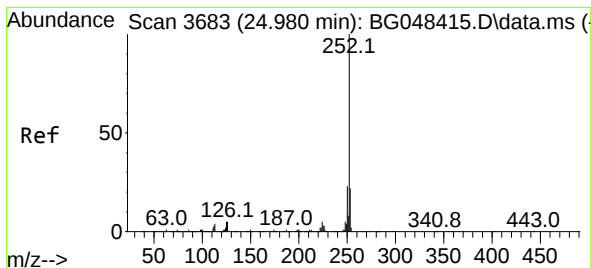
Tgt Ion:252 Resp: 138045
Ion Ratio Lower Upper
252 100
253 26.9 18.7 28.1
125 4.9 6.5 9.7#



#89
Benzo(k)fluoranthene
Concen: 4.96 ng
RT: 24.075 min Scan# 3529
Delta R.T. -0.071 min
Lab File: BG048438.D
Acq: 20 Mar 2021 00:29

Tgt Ion:252 Resp: 138045
Ion Ratio Lower Upper
252 100
253 26.9 18.6 27.8
125 4.9 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 2.78 ng

RT: 24.827 min Scan# 3657

Delta R.T. -0.153 min

Lab File: BG048438.D

Acq: 20 Mar 2021 00:29

Tgt Ion:252 Resp: 74735

Ion Ratio Lower Upper

252 100

253 25.8 17.9 26.9

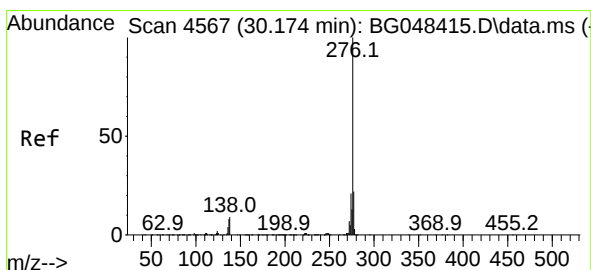
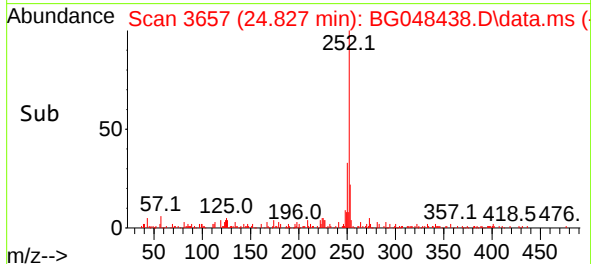
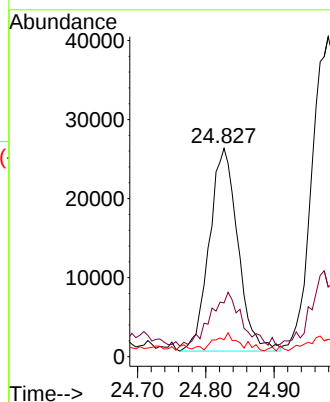
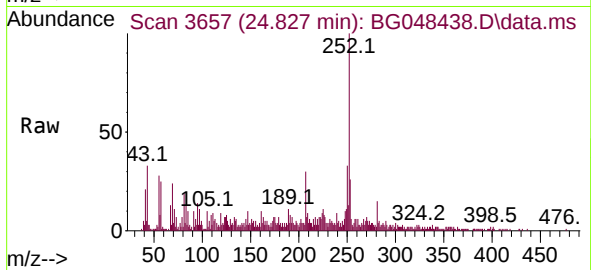
125 8.2 7.0 10.4

Instrument :

BNA_G

ClientSampleId :

HD-01-031821



#92

Benzo(g,h,i)perylene

Concen: 2.03 ng

RT: 30.167 min Scan# 4566

Delta R.T. -0.006 min

Lab File: BG048438.D

Acq: 20 Mar 2021 00:29

Tgt Ion:276 Resp: 53696

Ion Ratio Lower Upper

276 100

277 23.1 19.6 29.4

138 13.8 13.4 20.2

