

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032321\
 Data File : BG048483.D
 Acq On : 23 Mar 2021 23:54
 Operator : CG/JU
 Sample : M1751-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032221

Quant Time: Mar 24 02:21:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 22 11:22:24 2021
 Response via : Initial Calibration

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

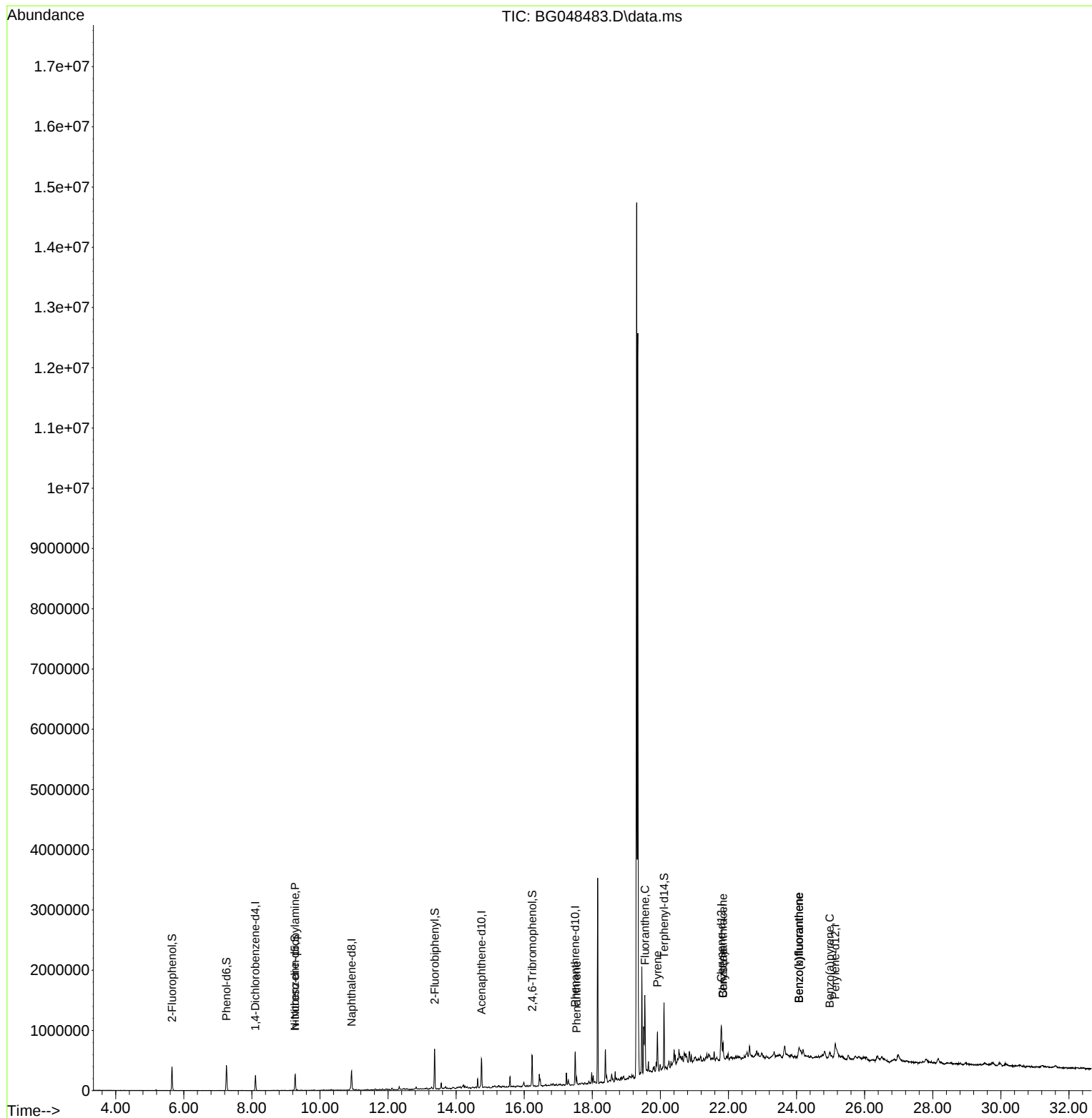
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.103	152	62266	20.00	ng	# 0.00
21) Naphthalene-d8	10.929	136	250218	20.00	ng	# 0.00
39) Acenaphthene-d10	14.743	164	164355	20.00	ng	0.00
64) Phenanthrene-d10	17.498	188	330163	20.00	ng	# 0.00
76) Chrysene-d12	21.793	240	318439	20.00	ng	# 0.00
86) Perylene-d12	25.136	264	303211	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.653	112	156176	41.48	ng	0.00
7) Phenol-d6	7.251	99	218929	39.96	ng	0.00
23) Nitrobenzene-d5	9.267	82	166225	26.56	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	97054	36.31	ng	0.00
45) 2-Fluorobiphenyl	13.368	172	323293	28.30	ng	0.00
79) Terphenyl-d14	20.107	244	452407	25.62	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.257	77	906	Below Cal	#	22
19) n-Nitroso-di-n-propyla...	9.272	70	25750	6.33 ng	#	73
71) Phenanthrene	17.539	178	67924	3.89 ng		95
75) Fluoranthene	19.549	202	325146	14.00 ng		96
78) Pyrene	19.913	202	407163	18.62 ng		97
81) Benzo(a)anthracene	21.840	228	218491	9.89 ng		95
83) Chrysene	21.840	228	218491	10.32 ng		97
88) Benzo(b)fluoranthene	24.073	252	216950	10.15 ng		95
89) Benzo(k)fluoranthene	24.073	252	216950	10.76 ng		95
90) Benzo(a)pyrene	24.972	252	154179	7.91 ng	#	89

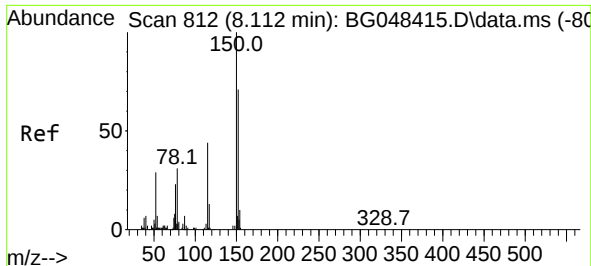
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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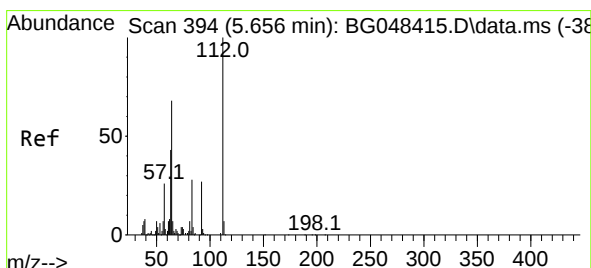
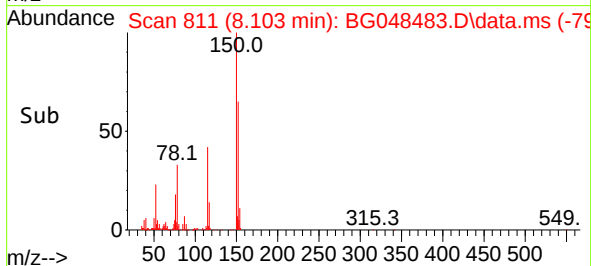
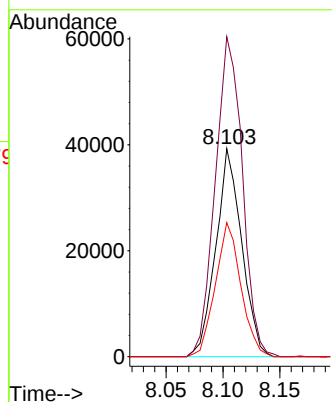
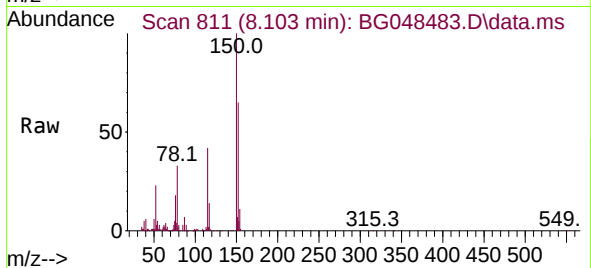




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.103 min Scan# 811
Delta R.T. 0.000 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

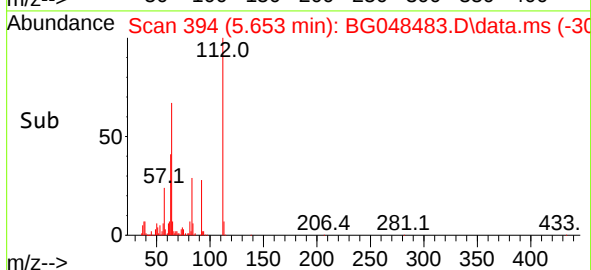
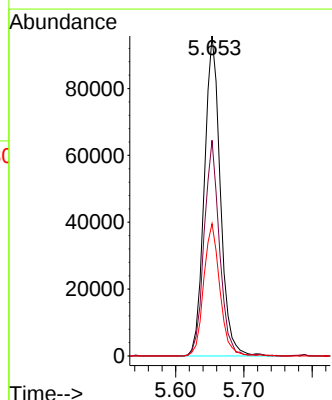
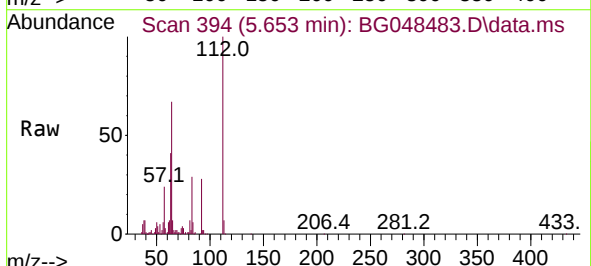
Instrument :
BNA_G
ClientSampleId :
EO-02-032221

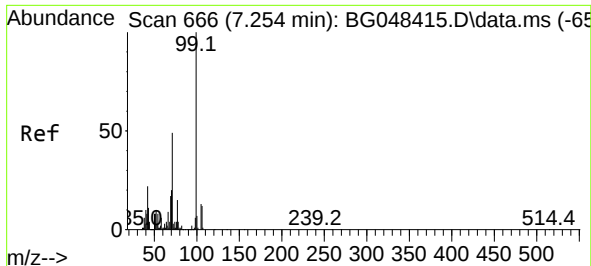
Tgt Ion:152 Resp: 62266
Ion Ratio Lower Upper
152 100
150 153.8 125.0 187.6
115 64.5 41.8 62.6#



#5
2-Fluorophenol
Concen: 41.48 ng
RT: 5.653 min Scan# 394
Delta R.T. 0.006 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

Tgt Ion:112 Resp: 156176
Ion Ratio Lower Upper
112 100
64 67.4 46.7 70.1
63 41.4 22.8 34.2#

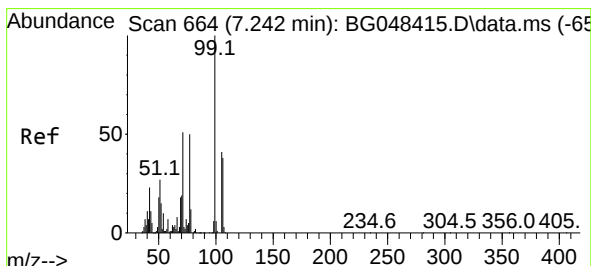
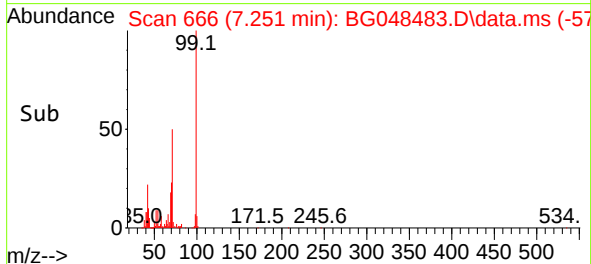
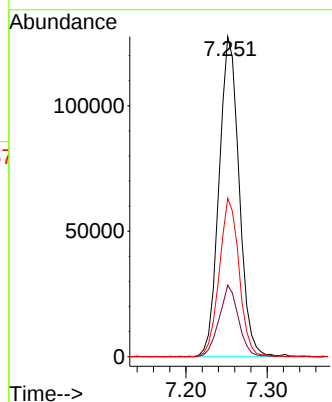
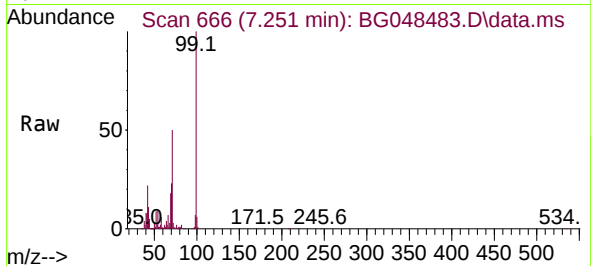




#7
Phenol-d6
Concen: 39.96 ng
RT: 7.251 min Scan# 666
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

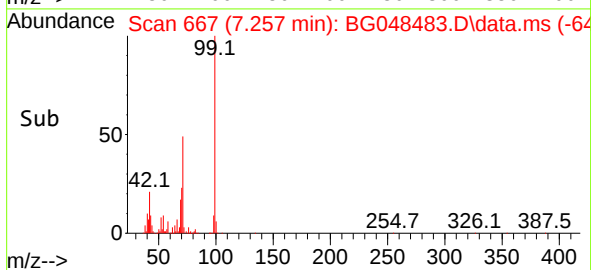
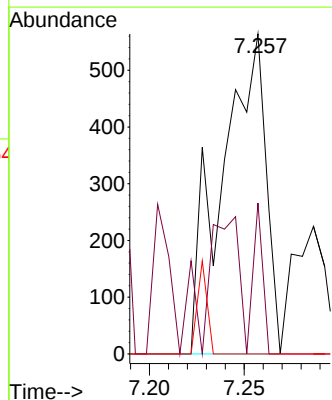
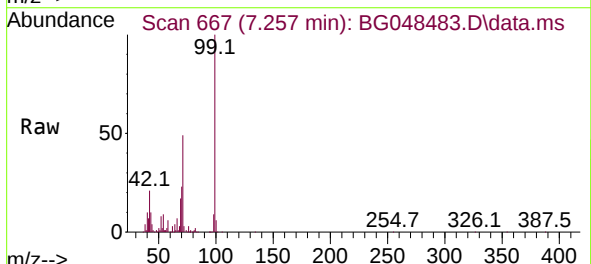
Instrument :
BNA_G
ClientSampleId :
EO-02-032221

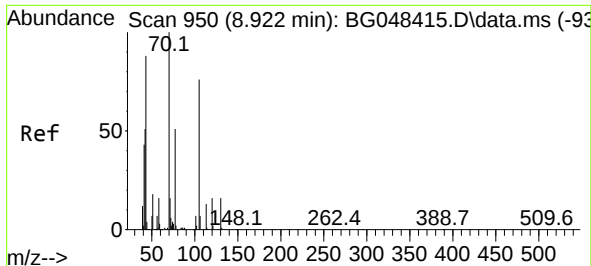
Tgt Ion: 99 Resp: 218929
Ion Ratio Lower Upper
99 100
42 22.4 12.8 19.2#
71 49.5 24.6 36.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.257 min Scan# 667
Delta R.T. 0.018 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

Tgt Ion: 77 Resp: 906
Ion Ratio Lower Upper
77 100
105 47.2 85.9 125.9#
106 0.0 80.9 120.9#

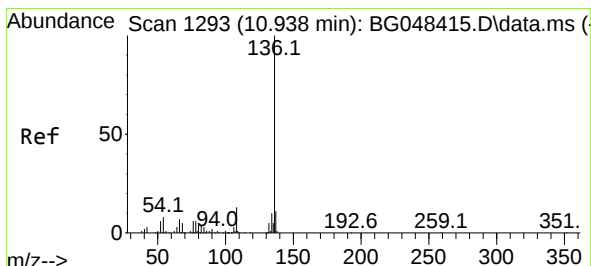
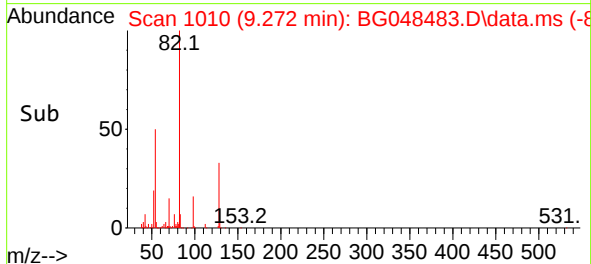
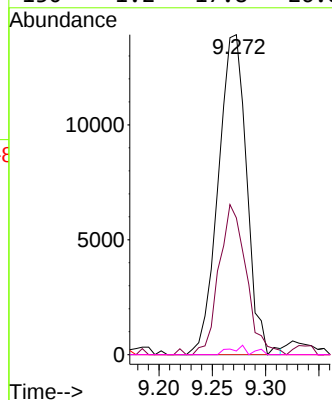
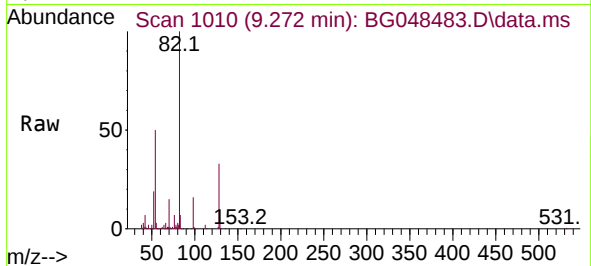




#19
n-Nitroso-di-n-propylamine
Concen: 6.33 ng
RT: 9.272 min Scan# 1010
Delta R.T. 0.359 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

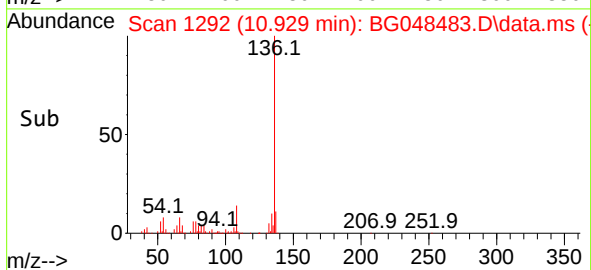
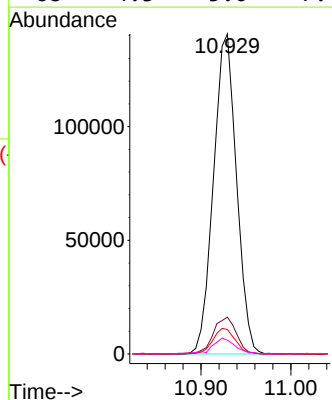
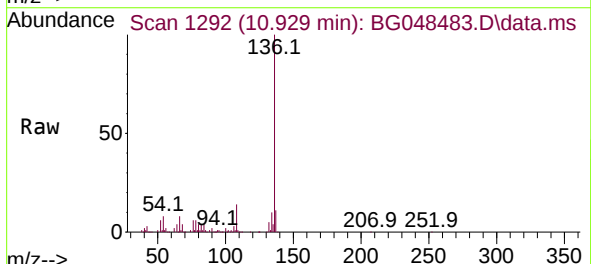
Instrument :
BNA_G
ClientSampleId :
EO-02-032221

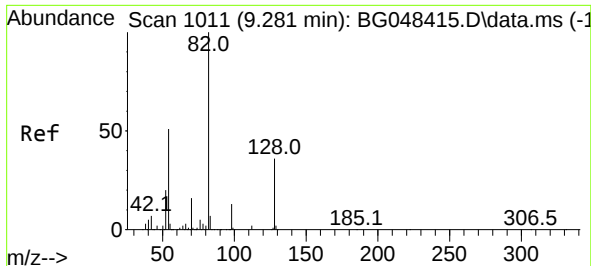
Tgt Ion: 70	Resp: 25750
Ion Ratio	Lower Upper
70 100	
42 42.7	45.6 68.4#
101 0.0	8.4 12.6#
130 1.2	17.8 26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.929 min Scan# 1292
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

Tgt Ion: 136	Resp: 250218
Ion Ratio	Lower Upper
136 100	
137 11.5	9.1 13.7
54 7.7	6.2 9.4
68 4.3	5.0 7.4#

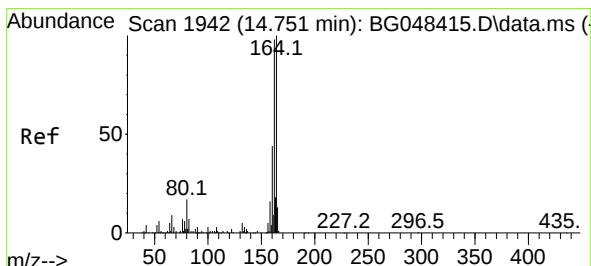
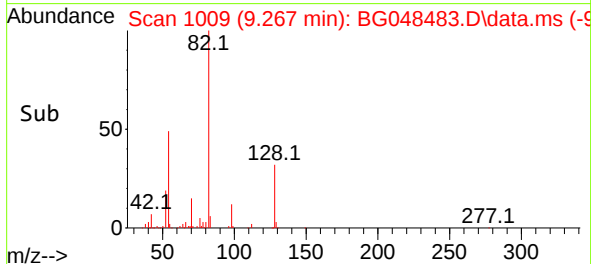
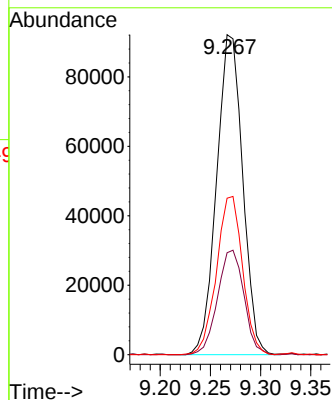
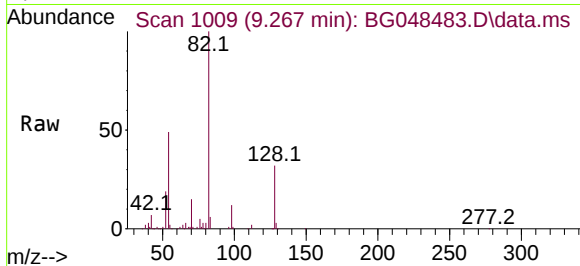




#23
Nitrobenzene-d5
Concen: 26.56 ng
RT: 9.267 min Scan# 1009
Delta R.T. -0.005 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

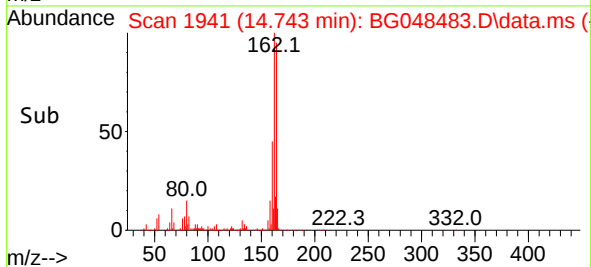
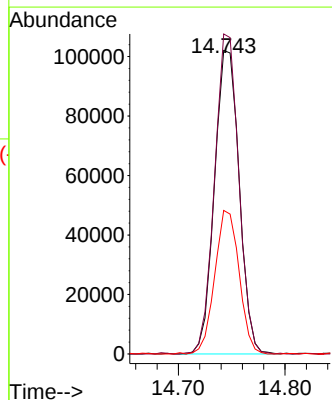
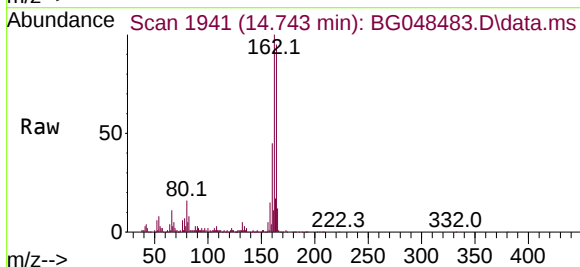
Instrument :
BNA_G
ClientSampleId :
EO-02-032221

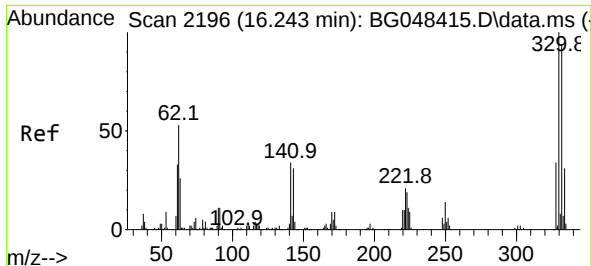
Tgt Ion: 82 Resp: 166225
Ion Ratio Lower Upper
82 100
128 31.9 37.0 55.6#
54 48.9 39.0 58.4



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.743 min Scan# 1941
Delta R.T. -0.005 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

Tgt Ion:164 Resp: 164355
Ion Ratio Lower Upper
164 100
162 105.4 82.3 123.5
160 47.3 35.3 52.9

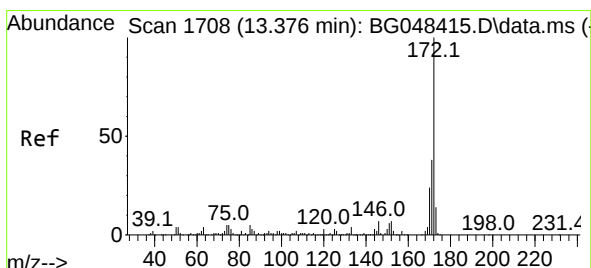
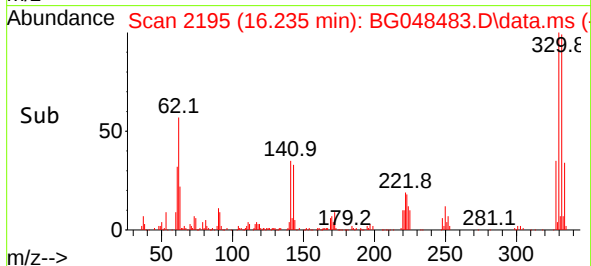
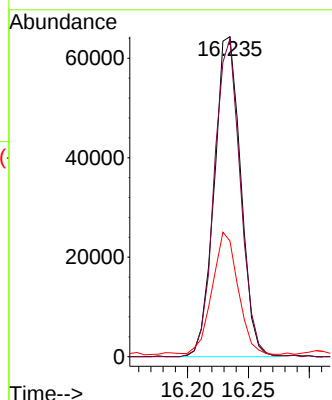
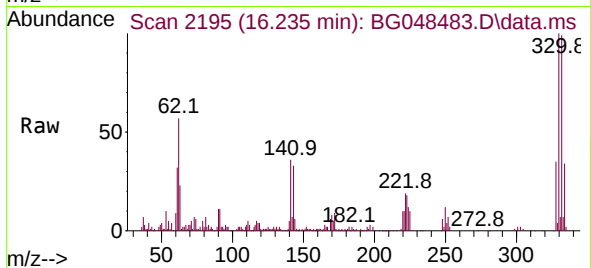




#42
2,4,6-Tribromophenol
Concen: 36.31 ng
RT: 16.235 min Scan# 2195
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

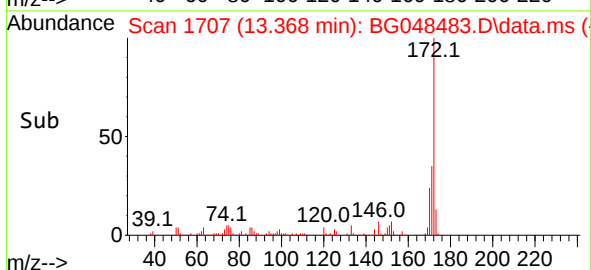
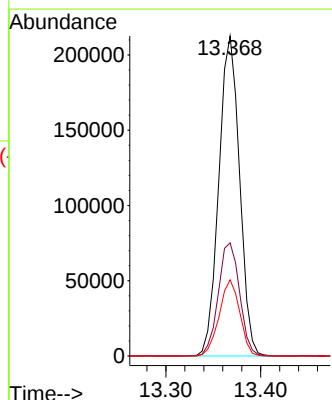
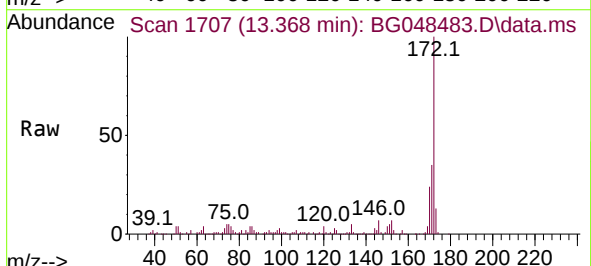
Instrument :
BNA_G
ClientSampled :
EO-02-032221

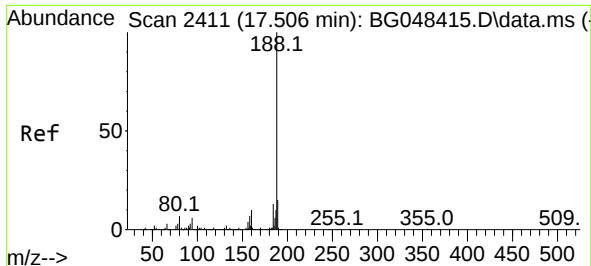
Tgt Ion:330 Resp: 97054
Ion Ratio Lower Upper
330 100
332 98.0 76.5 114.7
141 37.8 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 28.30 ng
RT: 13.368 min Scan# 1707
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

Tgt Ion:172 Resp: 323293
Ion Ratio Lower Upper
172 100
171 35.4 31.3 46.9
170 23.8 20.8 31.2

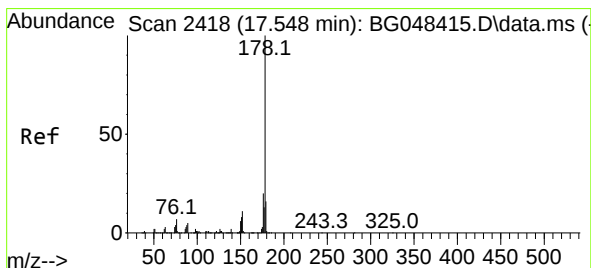
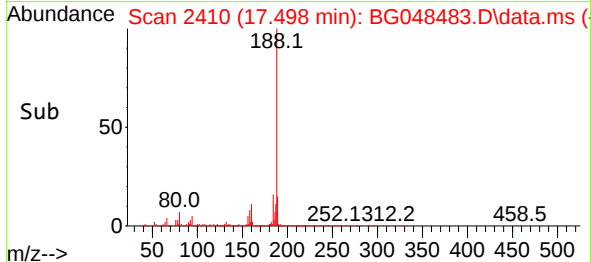
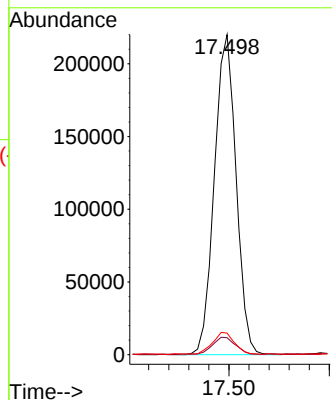
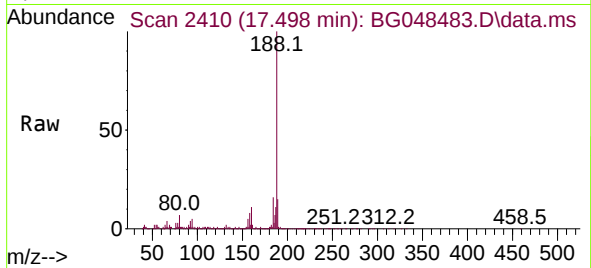




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.498 min Scan# 2410
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

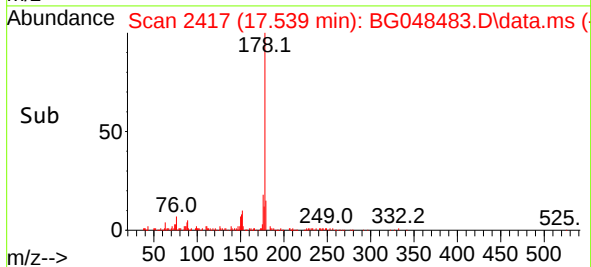
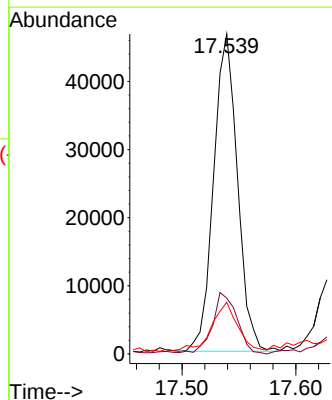
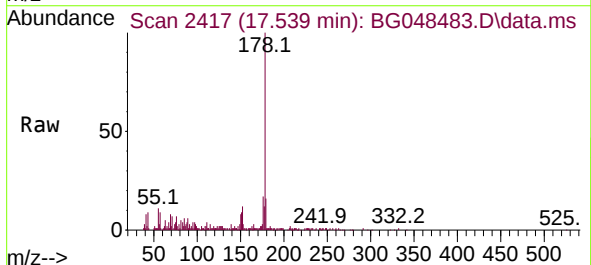
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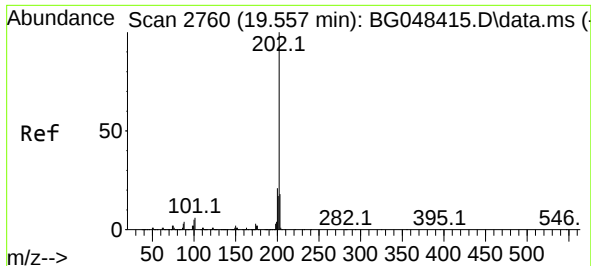
Tgt Ion:188 Resp: 330163
Ion Ratio Lower Upper
188 100
94 5.3 6.3 9.5#
80 6.7 7.0 10.6#



#71
Phenanthrene
Concen: 3.89 ng
RT: 17.539 min Scan# 2417
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

Tgt Ion:178 Resp: 67924
Ion Ratio Lower Upper
178 100
176 17.4 16.7 25.1
179 16.1 14.0 21.0

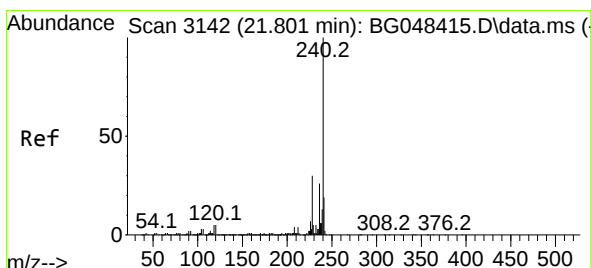
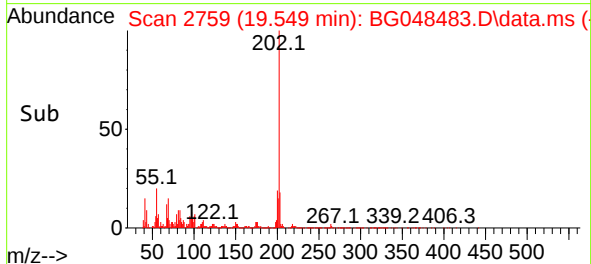
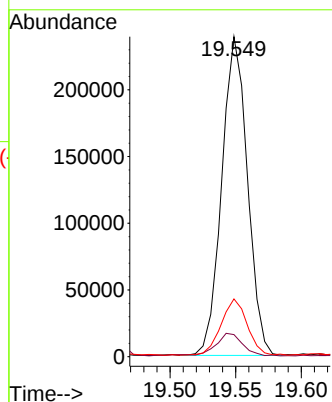
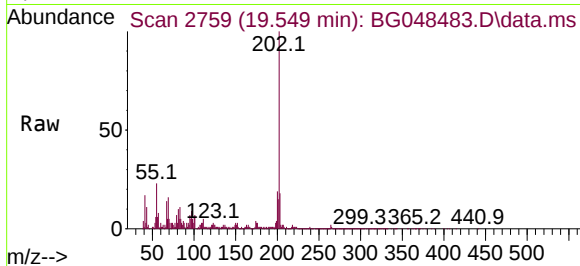




#75
Fluoranthene
Concen: 14.00 ng
RT: 19.549 min Scan# 2759
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

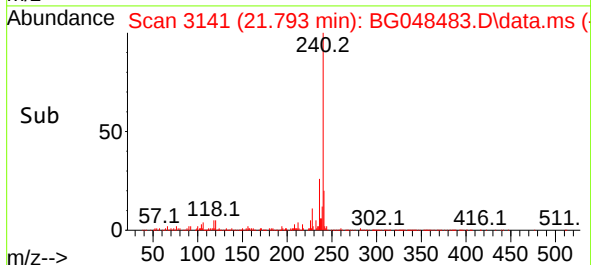
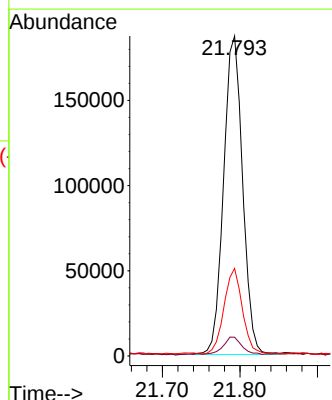
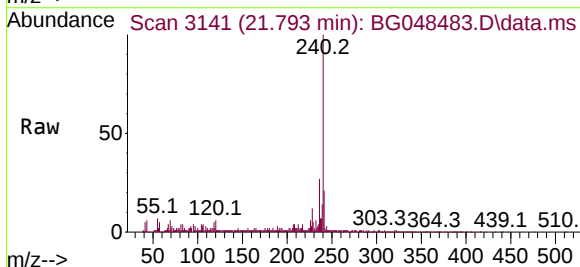
Instrument :
BNA_G
ClientSampleId :
EO-02-032221

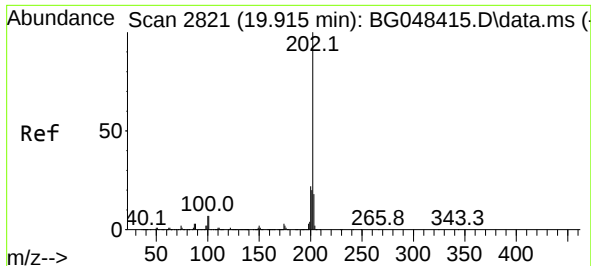
Tgt Ion:202 Resp: 325146
Ion Ratio Lower Upper
202 100
101 6.9 0.0 29.7
203 18.1 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.793 min Scan# 3141
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

Tgt Ion:240 Resp: 318439
Ion Ratio Lower Upper
240 100
120 5.9 6.2 9.4#
236 27.3 20.5 30.7

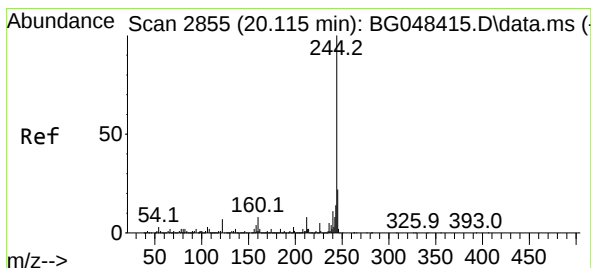
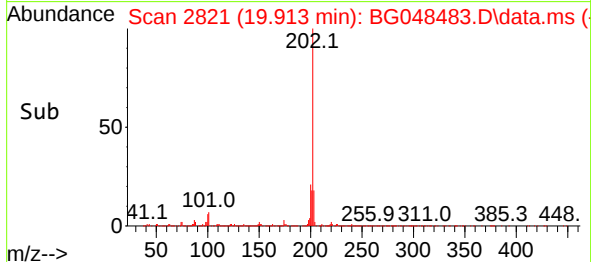
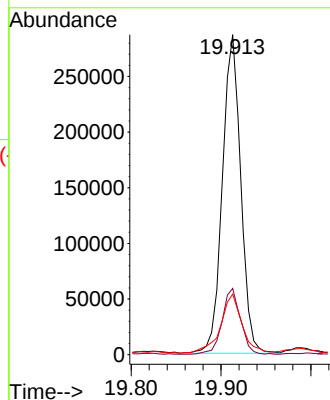
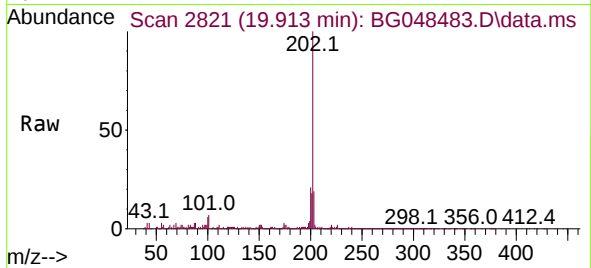




#78
Pyrene
Concen: 18.62 ng
RT: 19.913 min Scan# 2821
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

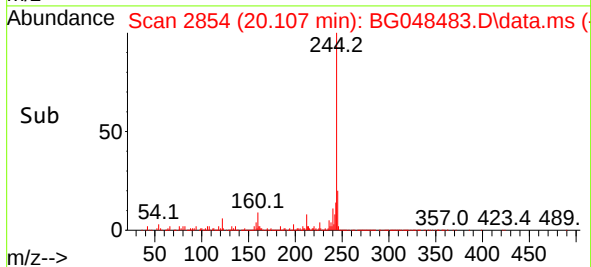
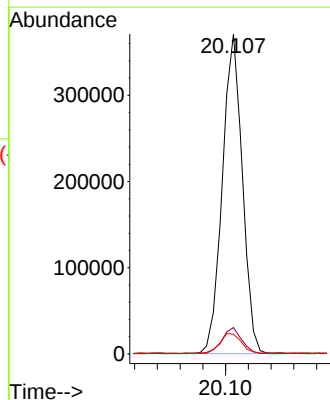
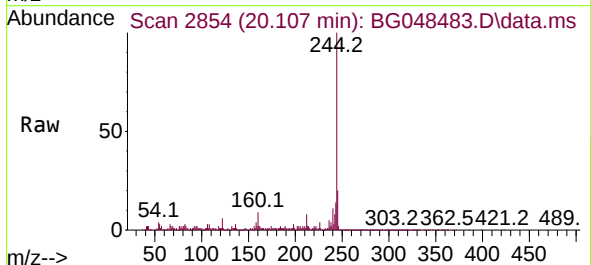
Instrument :
BNA_G
ClientSampleId :
EO-02-032221

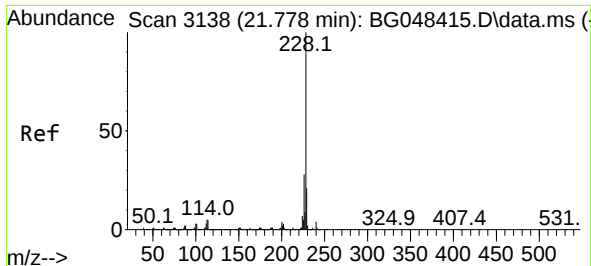
Tgt Ion:202 Resp: 407163
Ion Ratio Lower Upper
202 100
200 20.7 18.6 27.8
203 19.0 15.3 22.9



#79
Terphenyl-d14
Concen: 25.62 ng
RT: 20.107 min Scan# 2854
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

Tgt Ion:244 Resp: 452407
Ion Ratio Lower Upper
244 100
212 8.3 6.7 10.1
122 6.2 7.8 11.6#

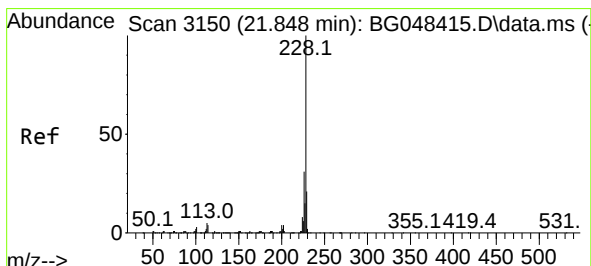
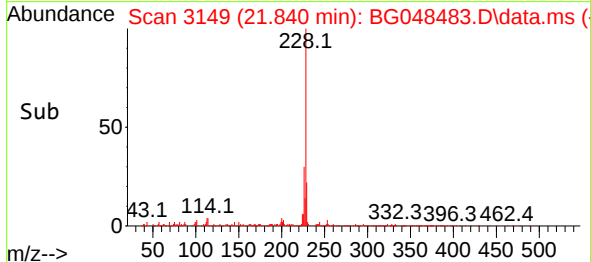
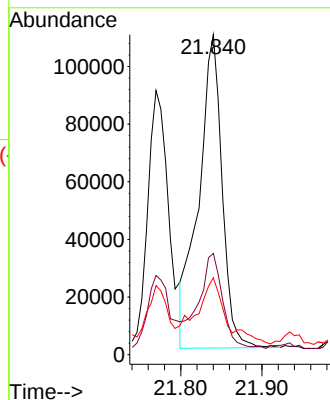
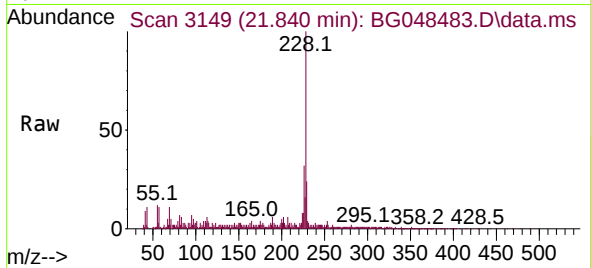




#81
Benzo(a)anthracene
Concen: 9.89 ng
RT: 21.840 min Scan# 3149
Delta R.T. 0.071 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

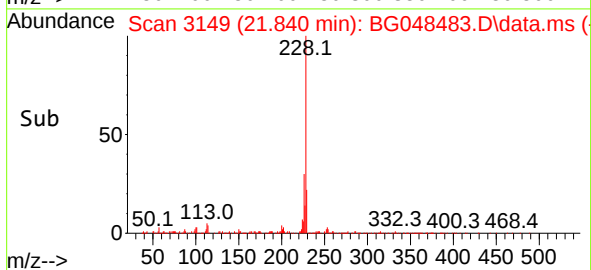
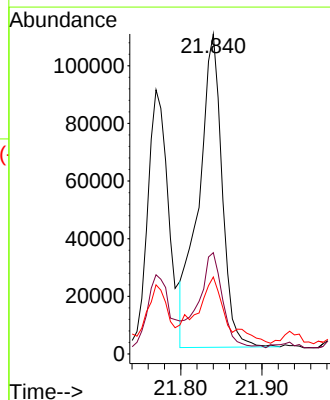
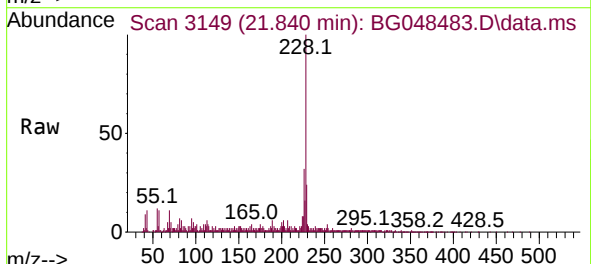
Instrument :
BNA_G
ClientSampleId :
EO-02-032221

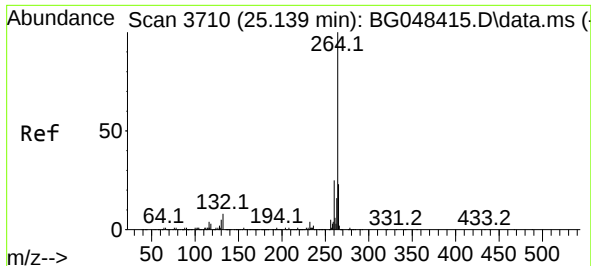
Tgt Ion:228 Resp: 218491
Ion Ratio Lower Upper
228 100
226 31.6 23.3 34.9
229 24.1 17.4 26.0



#83
Chrysene
Concen: 10.32 ng
RT: 21.840 min Scan# 3149
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

Tgt Ion:228 Resp: 218491
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.4
229 24.1 17.3 25.9

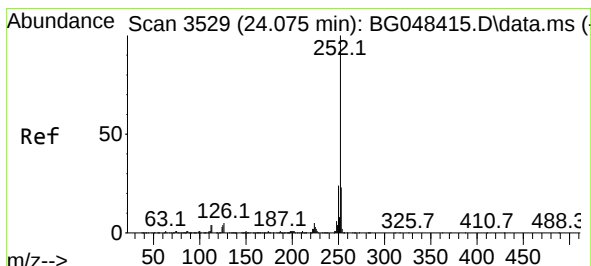
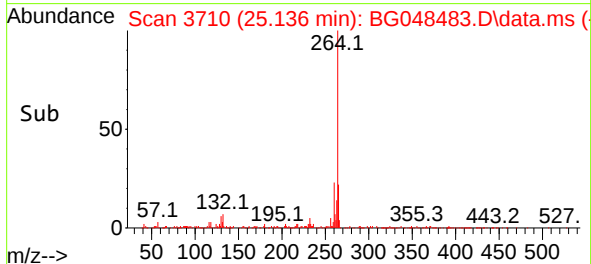
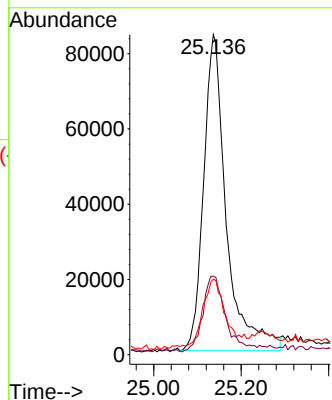
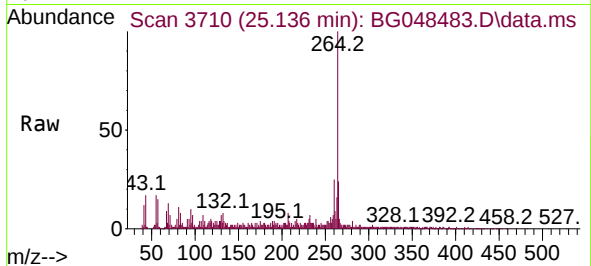




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.136 min Scan# 3710
 Delta R.T. 0.012 min
 Lab File: BG048483.D
 Acq: 23 Mar 2021 23:54

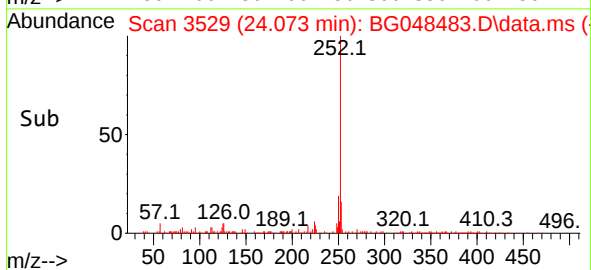
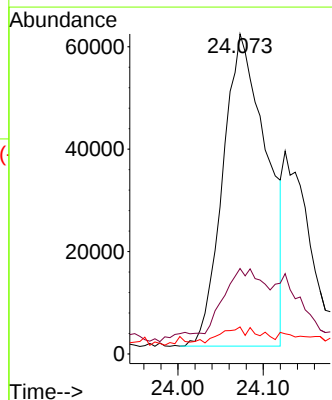
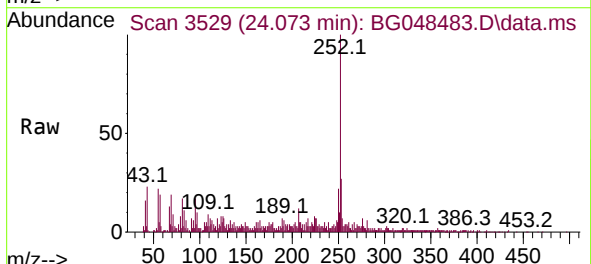
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032221

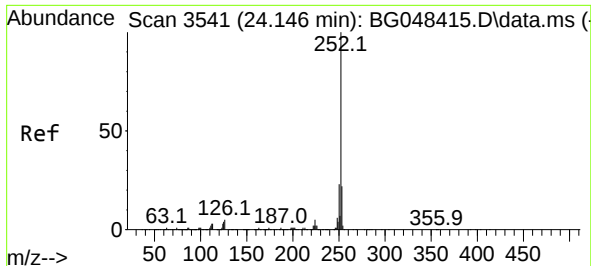
Tgt Ion:	264	Resp:	303211
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.8	28.2
265	23.6	17.8	26.8



#88
 Benzo(b)fluoranthene
 Concen: 10.15 ng
 RT: 24.073 min Scan# 3529
 Delta R.T. 0.012 min
 Lab File: BG048483.D
 Acq: 23 Mar 2021 23:54

Tgt Ion:	252	Resp:	216950
Ion Ratio	Lower	Upper	
252	100		
253	26.7	18.7	28.1
125	8.5	6.5	9.7

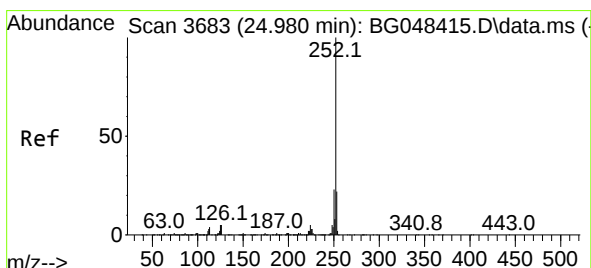
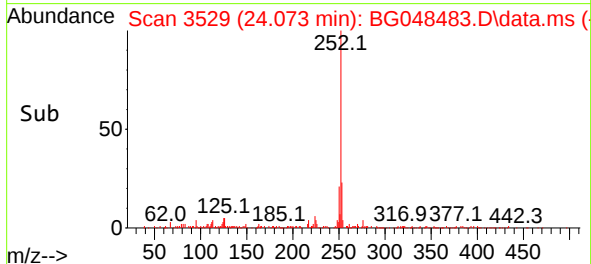
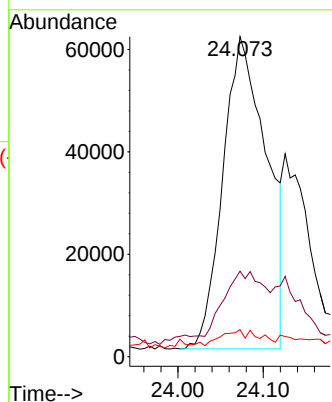
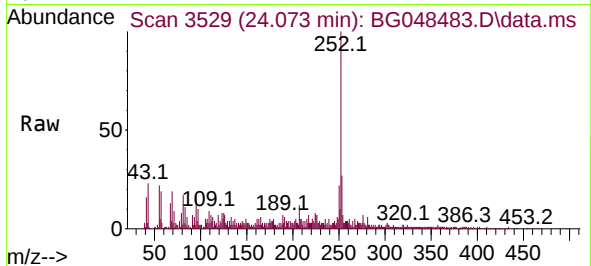




#89
Benzo(k)fluoranthene
Concen: 10.76 ng
RT: 24.073 min Scan# 3529
Delta R.T. -0.058 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

Instrument :
BNA_G
ClientSampleId :
EO-02-032221

Tgt Ion:252 Resp: 216950
Ion Ratio Lower Upper
252 100
253 26.7 18.6 27.8
125 8.5 6.8 10.2



#90
Benzo(a)pyrene
Concen: 7.91 ng
RT: 24.972 min Scan# 3682
Delta R.T. 0.001 min
Lab File: BG048483.D
Acq: 23 Mar 2021 23:54

Tgt Ion:252 Resp: 154179
Ion Ratio Lower Upper
252 100
253 28.8 17.9 26.9#
125 10.1 7.0 10.4

