

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054407.D
 Acq On : 26 Jul 2022 21:10
 Operator : CG/JU
 Sample : N3878-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 200-E-5TH-ST-DIRT-STONE-ASPHALT

Quant Time: Jul 27 04:34:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

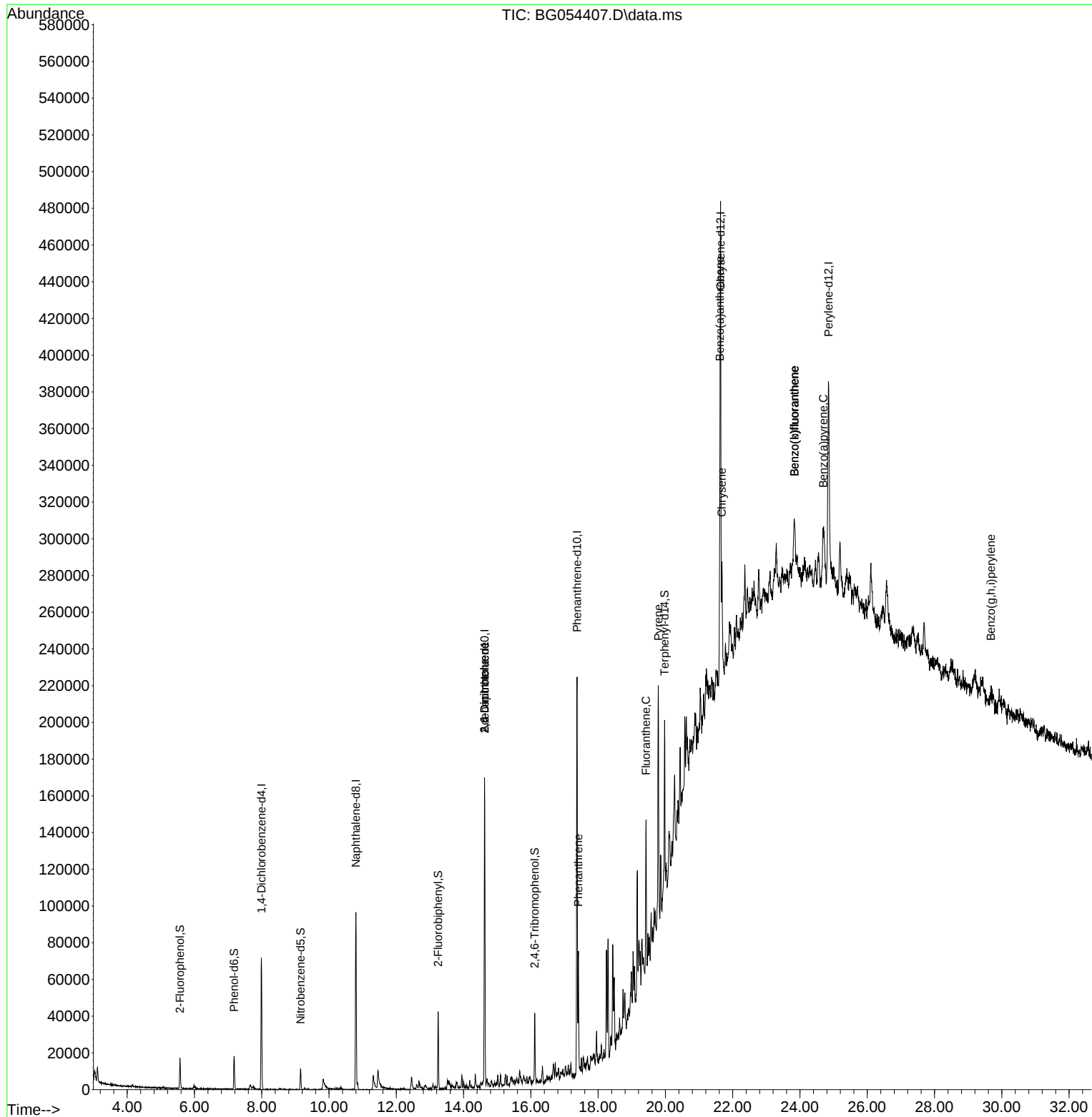
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	23479	20.000	ng	-0.01
21) Naphthalene-d8	10.798	136	86462	20.000	ng	#-0.01
39) Acenaphthene-d10	14.623	164	66406	20.000	ng	-0.01
64) Phenanthrene-d10	17.372	188	156631	20.000	ng	# 0.00
76) Chrysene-d12	21.638	240	173236	20.000	ng	# 0.00
86) Perylene-d12	24.846	264	154574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	8502	7.560	ng	0.00
7) Phenol-d6	7.178	99	10956	7.110	ng	0.00
23) Nitrobenzene-d5	9.153	82	7779	4.900	ng	-0.01
42) 2,4,6-Tribromophenol	16.115	330	9584	6.874	ng	-0.01
45) 2-Fluorobiphenyl	13.242	172	25656	5.450	ng	-0.02
79) Terphenyl-d14	19.975	244	49834	5.707	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.623	165	9323	8.195	ng	# 18
57) 2,4-Dinitrotoluene	14.623	165	9323	5.716	ng	# 23
71) Phenanthrene	17.413	178	46274	5.932	ng	98
75) Fluoranthene	19.423	202	49467	4.652	ng	92
78) Pyrene	19.787	202	86825	8.735	ng	98
81) Benzo(a)anthracene	21.620	228	42758	3.888	ng	# 87
83) Chrysene	21.679	228	48833	4.700	ng	# 89
88) Benzo(b)fluoranthene	23.835	252	48751	5.333	ng	# 67
89) Benzo(k)fluoranthene	23.835	252	48751	5.359	ng	# 68
90) Benzo(a)pyrene	24.693	252	33444	4.284	ng	# 81
92) Benzo(g,h,i)perylene	29.676	276	19181	2.010	ng	# 70

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

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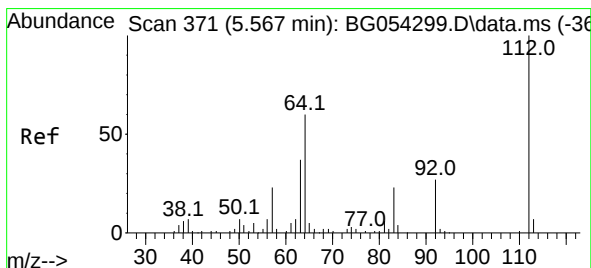
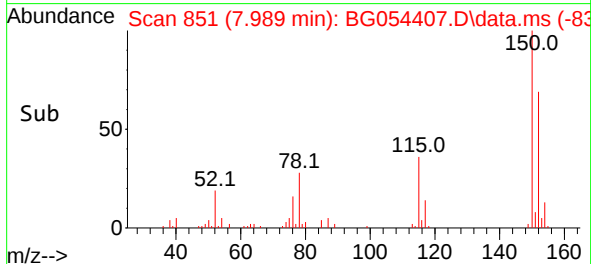
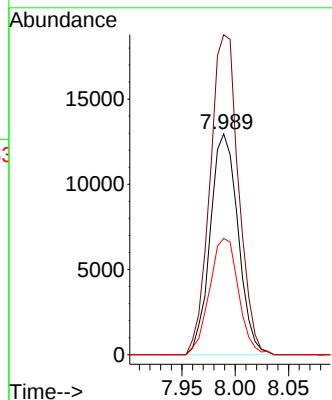
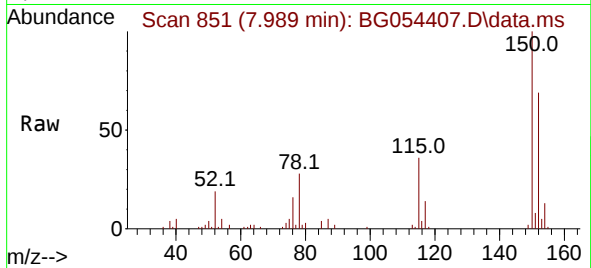




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

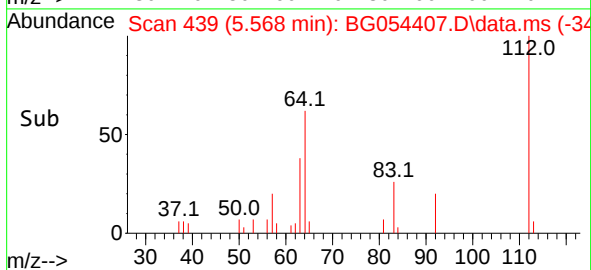
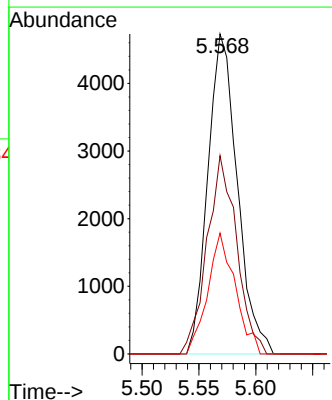
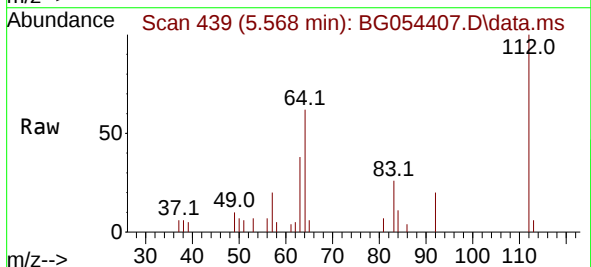
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT

Tgt Ion:152 Resp: 23479
Ion Ratio Lower Upper
152 100
150 145.0 131.6 197.4
115 52.6 50.9 76.3



#5
2-Fluorophenol
Concen: 7.560 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.001 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

Tgt Ion:112 Resp: 8502
Ion Ratio Lower Upper
112 100
64 61.9 55.1 82.7
63 37.8 30.4 45.6

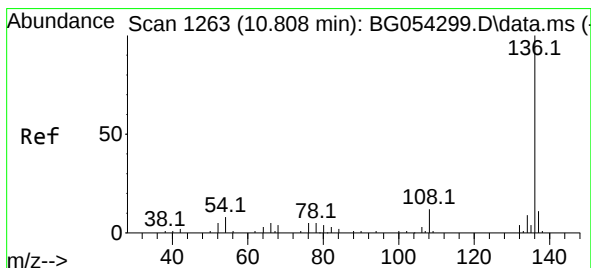
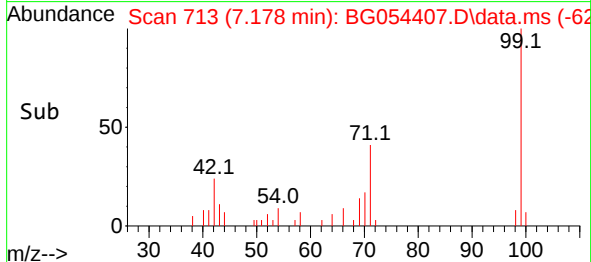
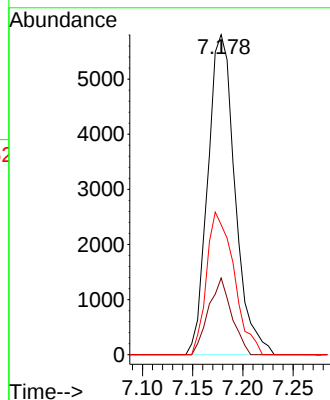
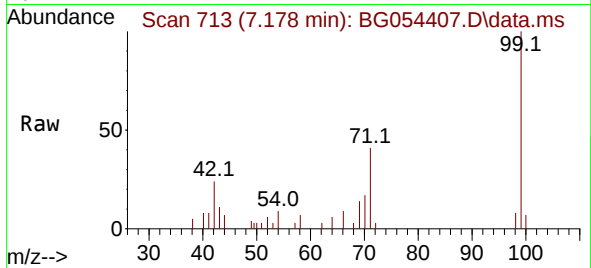




#7
Phenol-d6
Concen: 7.110 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.007 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

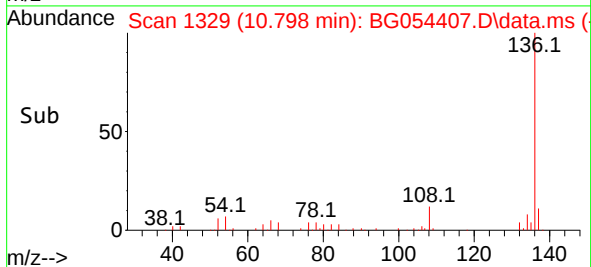
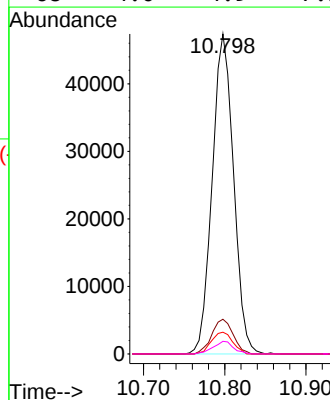
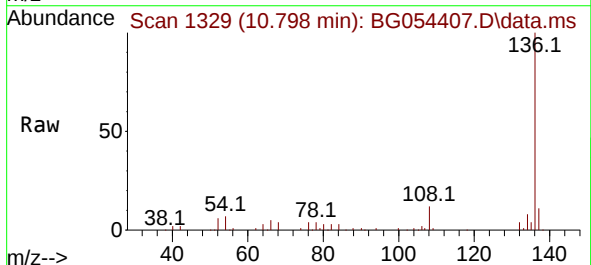
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT

Tgt Ion: 99 Resp: 10956
Ion Ratio Lower Upper
99 100
42 24.0 17.0 25.6
71 40.6 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 1329
Delta R.T. -0.010 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

Tgt Ion: 136 Resp: 86462
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 6.8 7.4 11.2#
68 4.0 4.9 7.3#

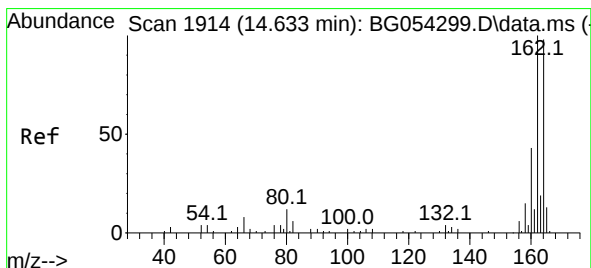
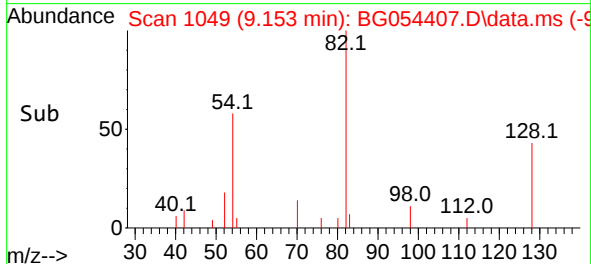
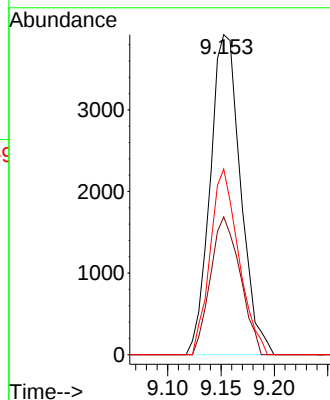
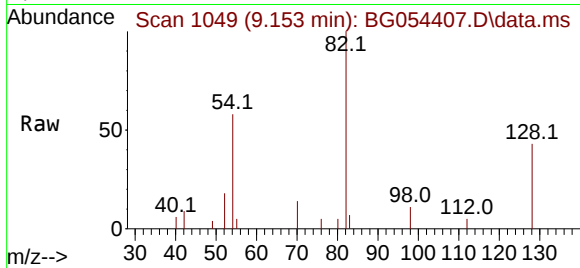




#23
Nitrobenzene-d5
Concen: 4.900 ng
RT: 9.153 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

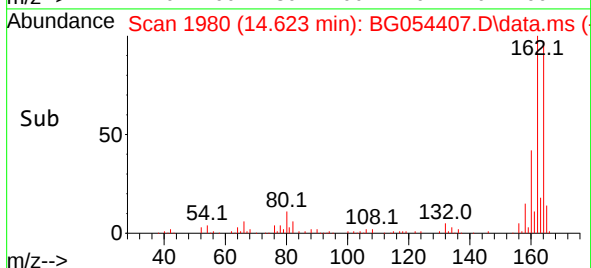
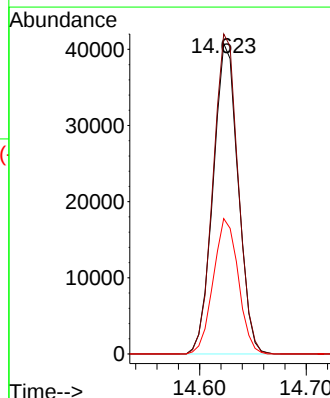
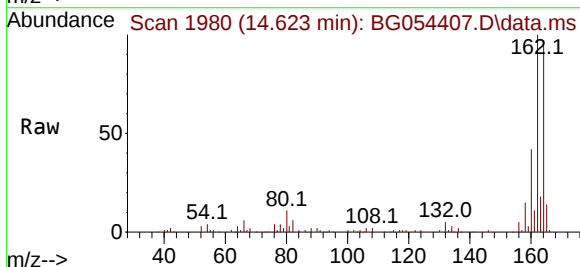
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT

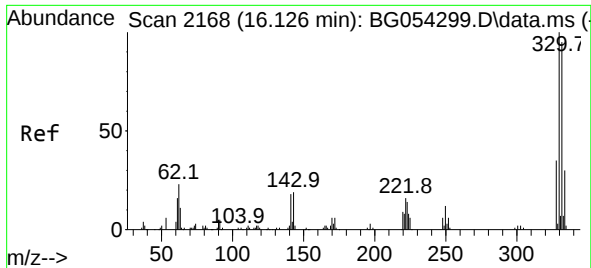
Tgt Ion: 82 Resp: 7779
Ion Ratio Lower Upper
82 100
128 43.1 27.9 41.9#
54 58.0 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.623 min Scan# 1980
Delta R.T. -0.010 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

Tgt Ion:164 Resp: 66406
Ion Ratio Lower Upper
164 100
162 103.1 82.3 123.5
160 43.6 34.2 51.2

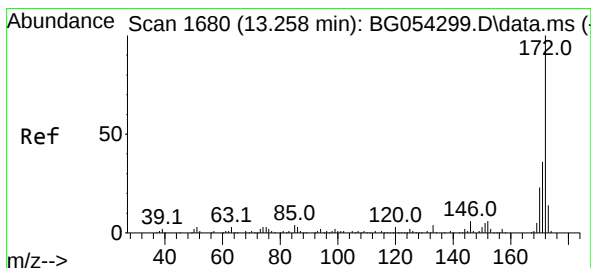
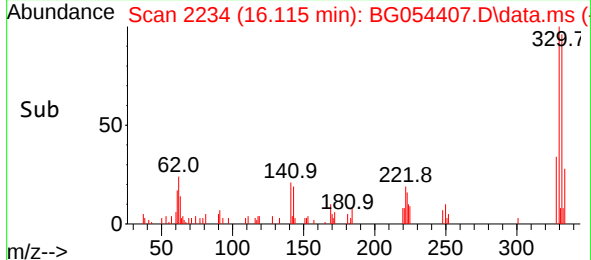
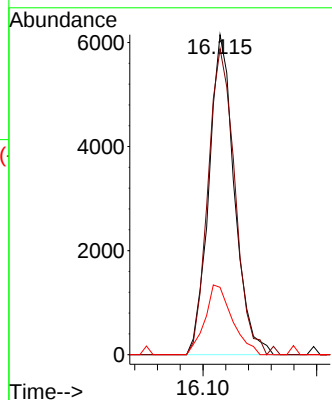
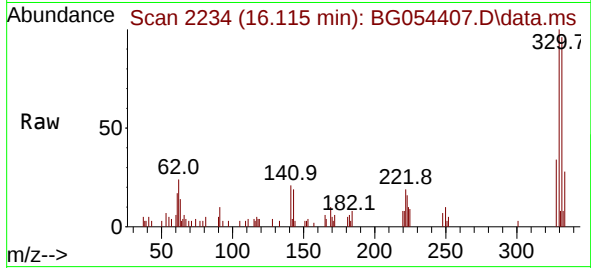




#42
2,4,6-Tribromophenol
Concen: 6.874 ng
RT: 16.115 min Scan# 2168
Delta R.T. -0.011 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

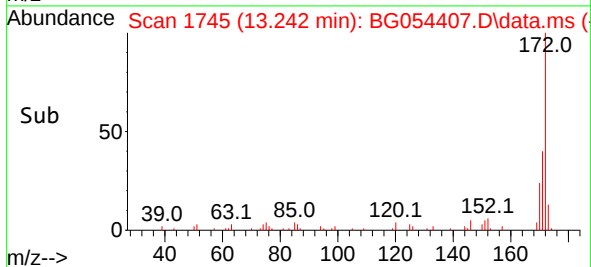
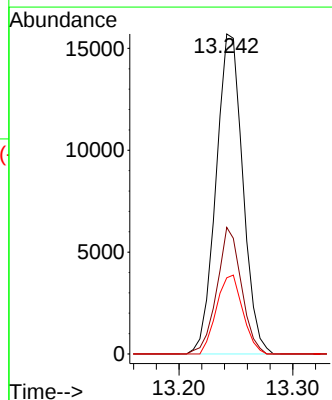
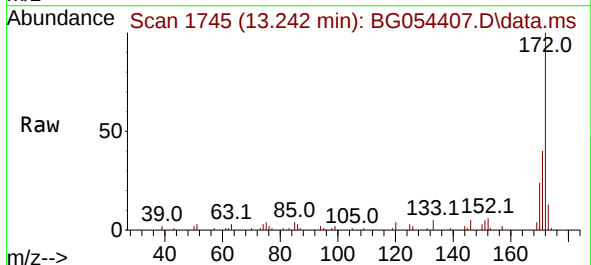
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT

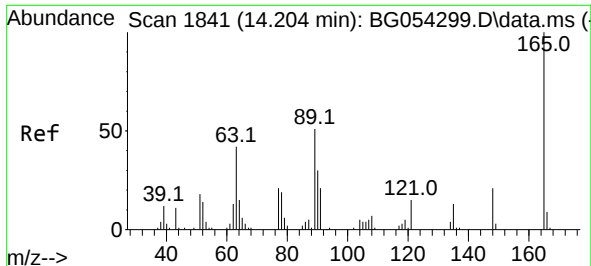
Tgt Ion:330 Resp: 9584
Ion Ratio Lower Upper
330 100
332 100.9 76.0 114.0
141 23.3 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 5.450 ng
RT: 13.242 min Scan# 1745
Delta R.T. -0.017 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

Tgt Ion:172 Resp: 25656
Ion Ratio Lower Upper
172 100
171 39.5 28.5 42.7
170 23.8 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.195 ng

RT: 14.623 min Scan# 1980

Delta R.T. 0.418 min

Lab File: BG054407.D

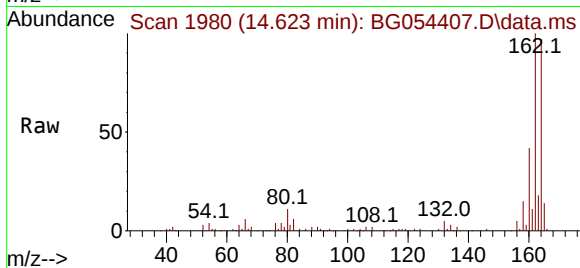
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Instrument :

BNA_G

ClientSampleId :

200-E-5TH-ST-DIRT-STONE-ASPHALT



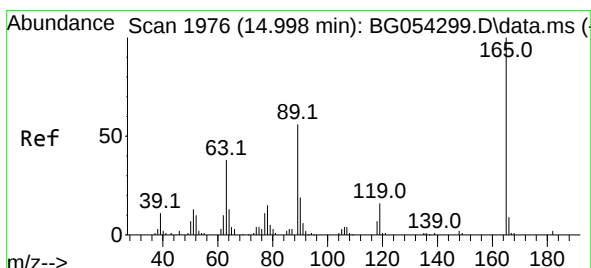
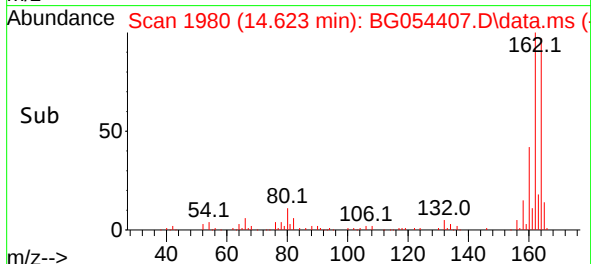
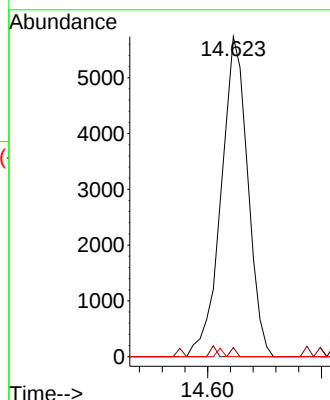
Tgt Ion:165 Resp: 9323

Ion Ratio Lower Upper

165 100

63 2.9 54.1 81.1#

89 0.0 54.8 82.2#



#57

2,4-Dinitrotoluene

Concen: 5.716 ng

RT: 14.623 min Scan# 1980

Delta R.T. -0.375 min

Lab File: BG054407.D

Acq: 26 Jul 2022 21:10

Tgt Ion:165 Resp: 9323

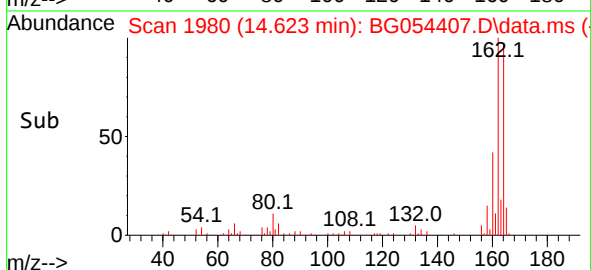
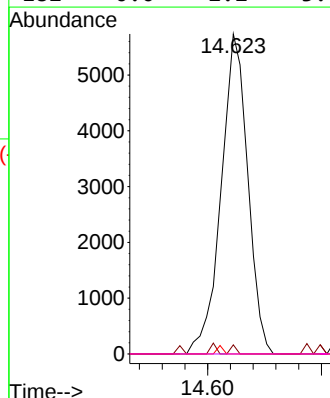
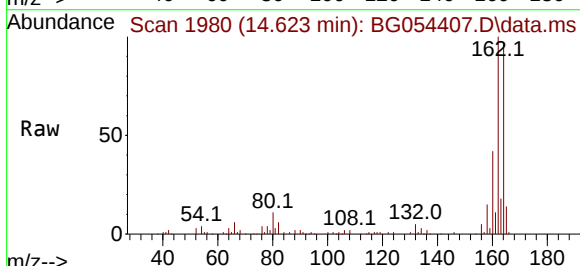
Ion Ratio Lower Upper

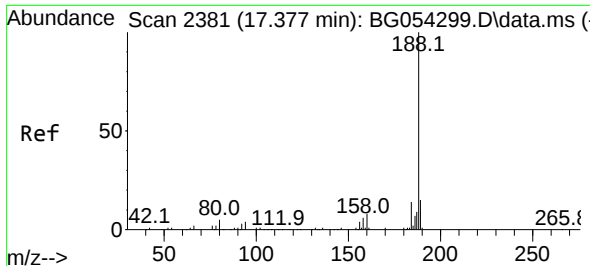
165 100

63 2.9 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#

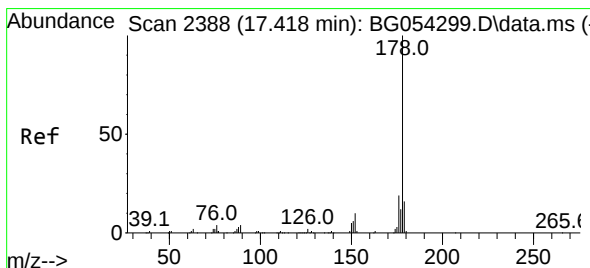
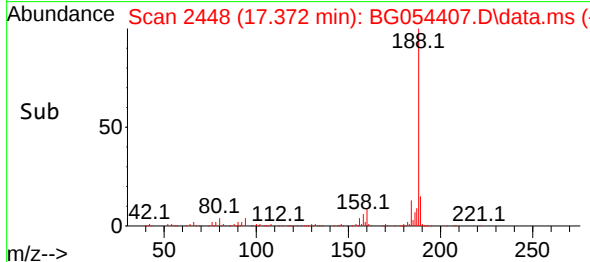
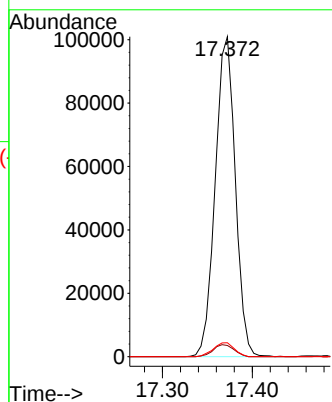
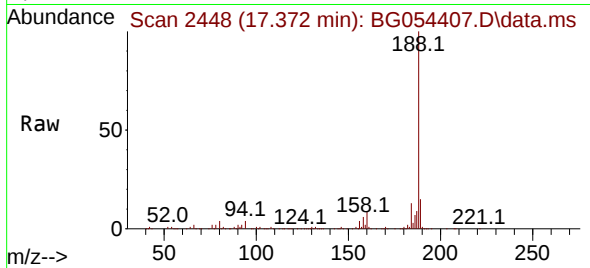




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.372 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

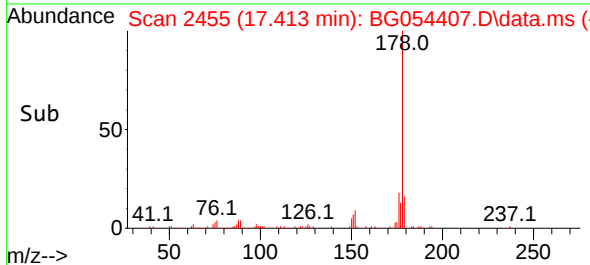
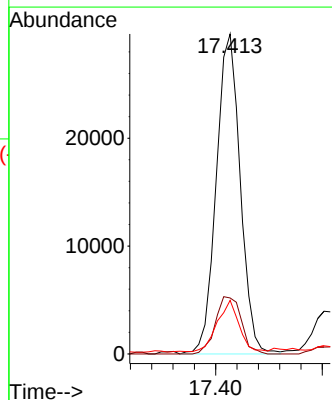
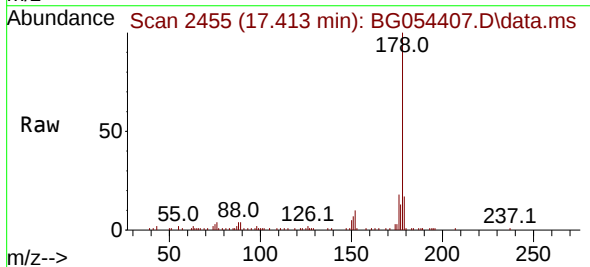
Instrument :
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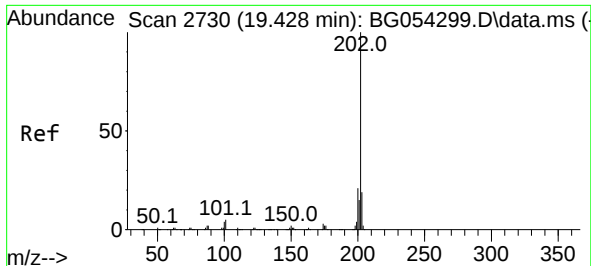
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Ion Ratio Lower Upper
188 100
94 3.5 5.4 8.0#
80 4.3 6.8 10.2#



#71
Phenanthrene
Concen: 5.932 ng
RT: 17.413 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

Tgt Ion:178 Resp: 46274
Ion Ratio Lower Upper
178 100
176 17.5 14.1 21.1
179 16.7 12.1 18.1

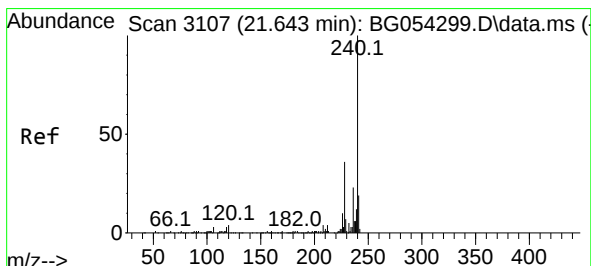
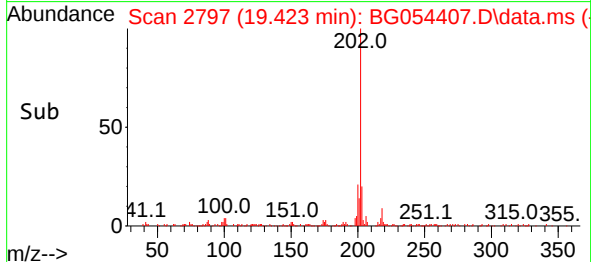
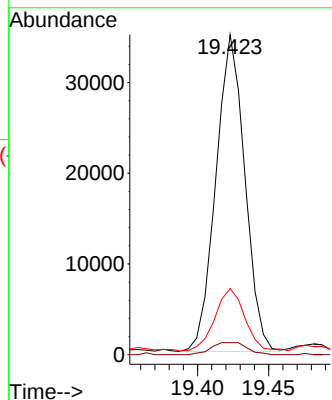
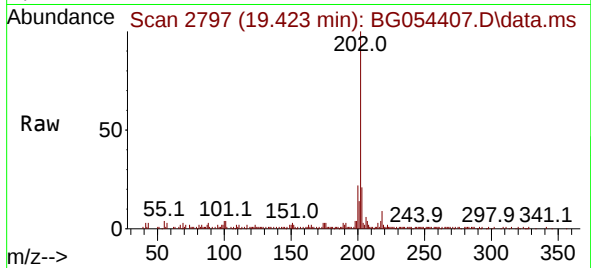




#75
Fluoranthene
Concen: 4.652 ng
RT: 19.423 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

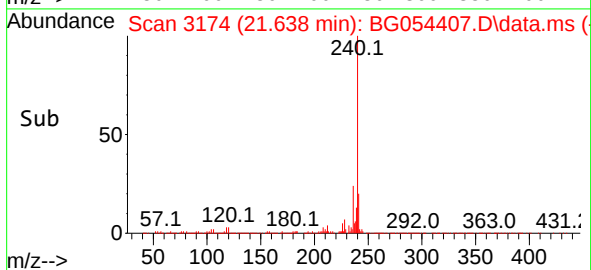
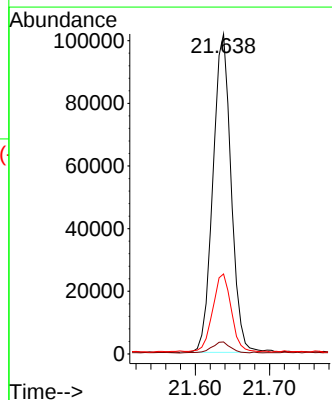
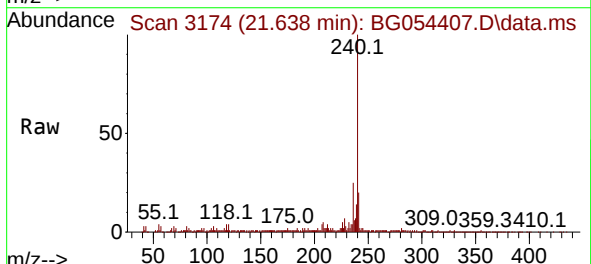
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT

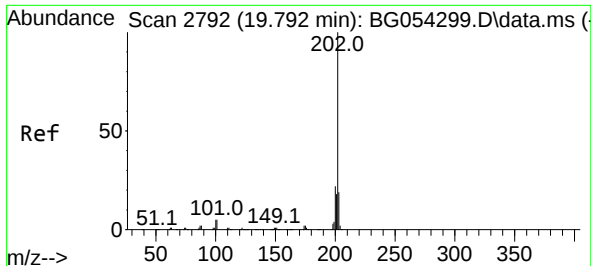
Tgt Ion:202 Resp: 49467
Ion Ratio Lower Upper
202 100
101 3.8 0.0 26.9
203 20.7 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.638 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

Tgt Ion:240 Resp: 173236
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 25.0 20.2 30.4

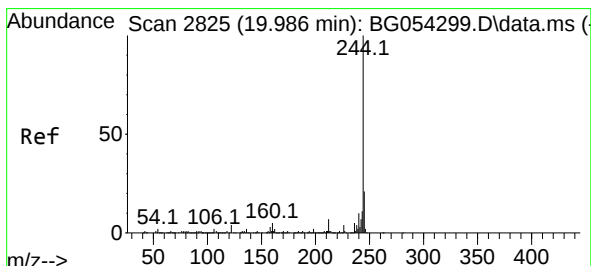
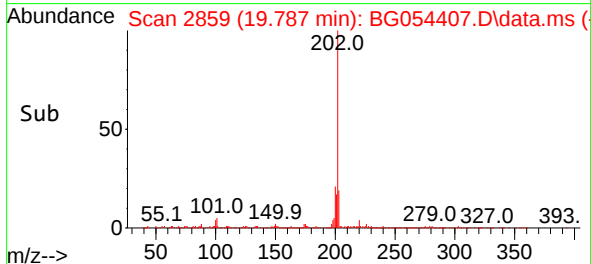
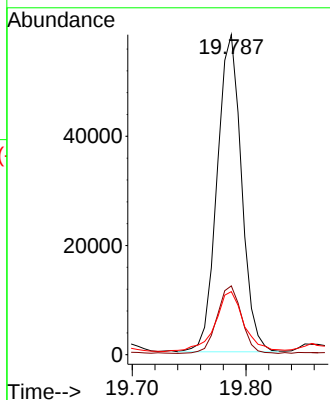
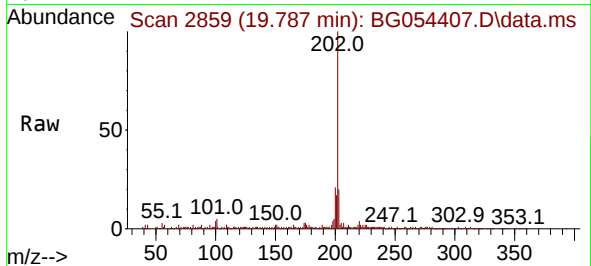




#78
 Pyrene
 Concen: 8.735 ng
 RT: 19.787 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054407.D
 Acq: 26 Jul 2022 21:10

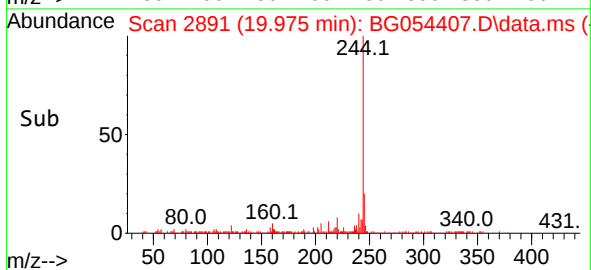
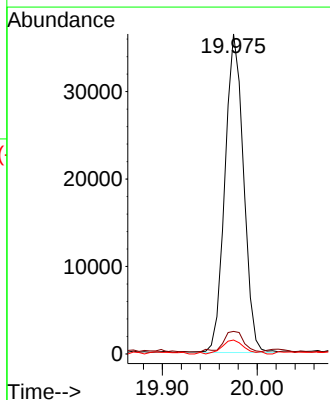
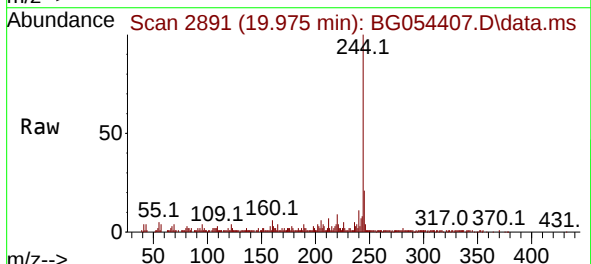
Instrument :
 BNA_G
 ClientSampleId :
 200-E-5TH-ST-DIRT-STONE-ASPHALT

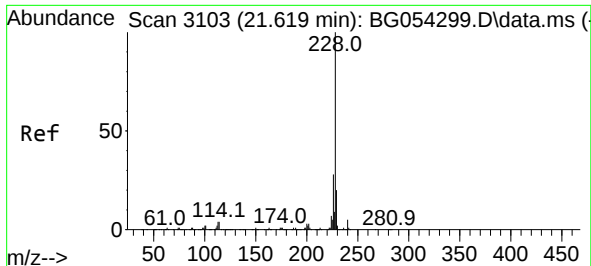
Tgt Ion:	202	Resp:	86825
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.6	24.8
203	19.7	14.6	21.8



#79
 Terphenyl-d14
 Concen: 5.707 ng
 RT: 19.975 min Scan# 2891
 Delta R.T. -0.011 min
 Lab File: BG054407.D
 Acq: 26 Jul 2022 21:10

Tgt Ion:	244	Resp:	49834
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.5	9.7
122	4.3	5.0	7.4

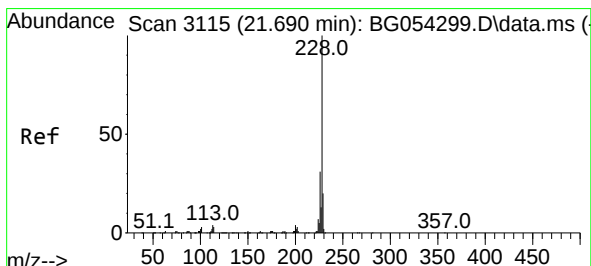
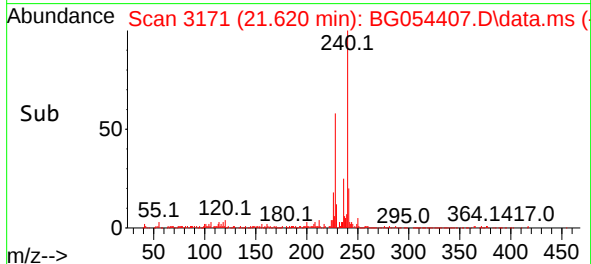
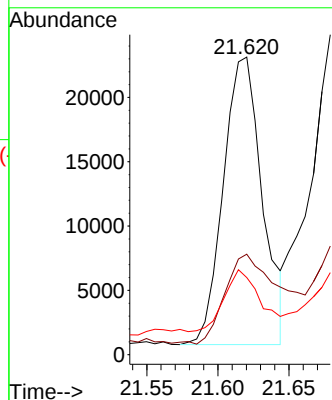
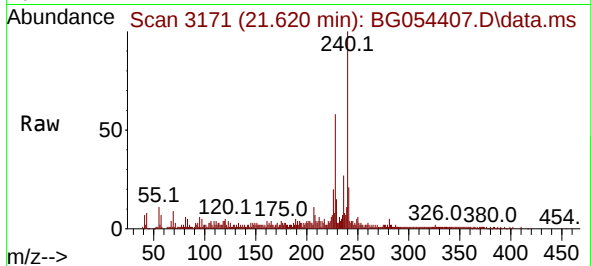




#81
Benzo(a)anthracene
Concen: 3.888 ng
RT: 21.620 min Scan# 3103
Delta R.T. 0.001 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

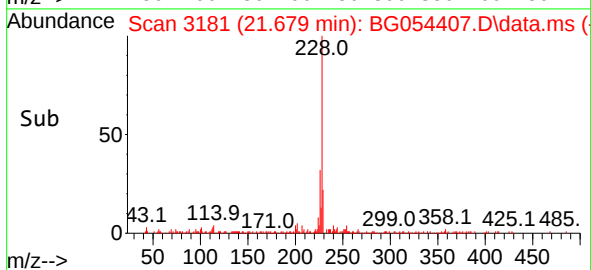
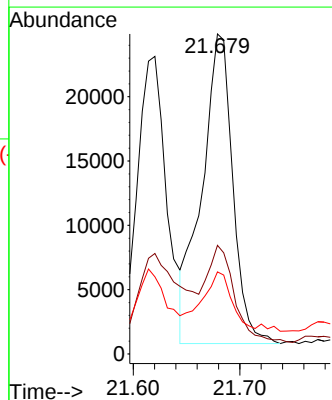
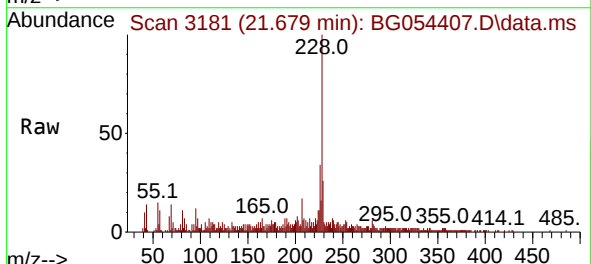
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT

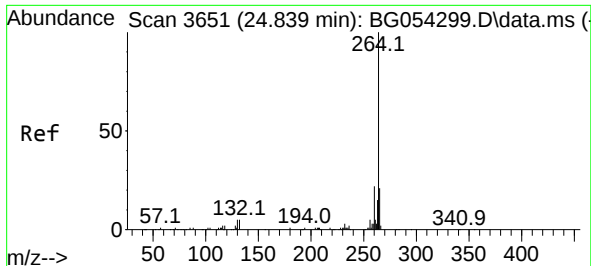
Tgt Ion:228 Resp: 42758
Ion Ratio Lower Upper
228 100
226 33.7 21.6 32.4#
229 25.9 16.2 24.2#



#83
Chrysene
Concen: 4.700 ng
RT: 21.679 min Scan# 3181
Delta R.T. -0.011 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

Tgt Ion:228 Resp: 48833
Ion Ratio Lower Upper
228 100
226 33.9 23.4 35.2
229 25.7 15.5 23.3#

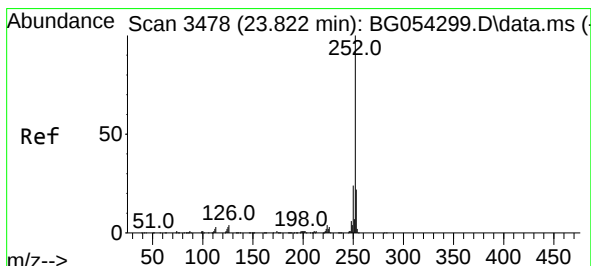
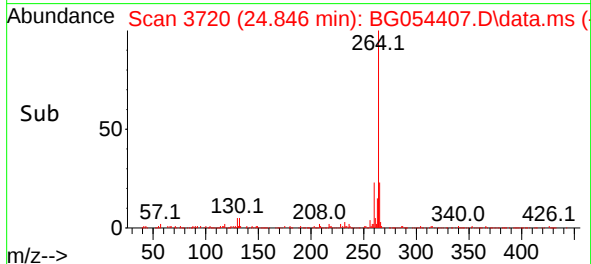
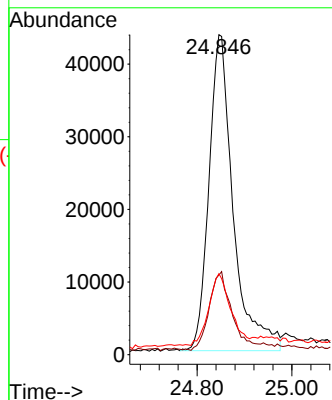
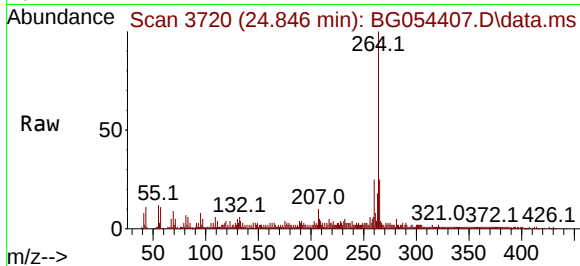




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.846 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: BG054407.D
 Acq: 26 Jul 2022 21:10

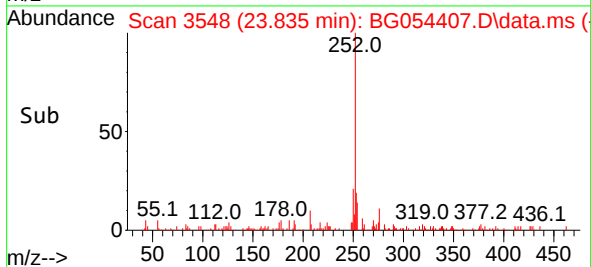
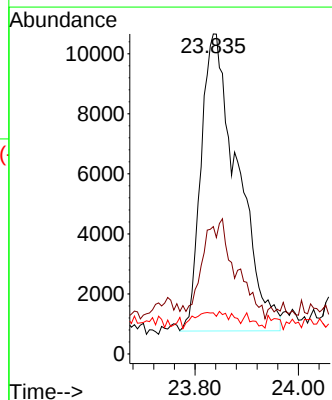
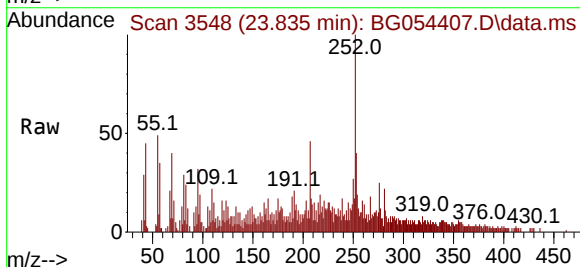
Instrument :
 BNA_G
 ClientSampleId :
 200-E-5TH-ST-DIRT-STONE-ASPHALT

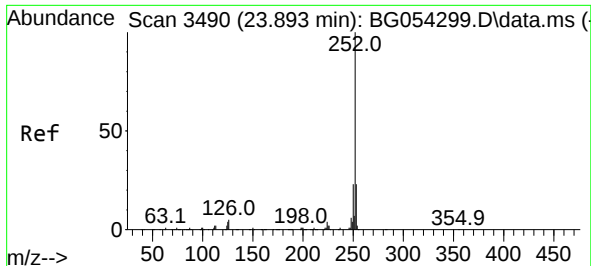
Tgt Ion:264 Resp: 154574
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.0 28.6
 265 25.3 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 5.333 ng
 RT: 23.835 min Scan# 3548
 Delta R.T. 0.013 min
 Lab File: BG054407.D
 Acq: 26 Jul 2022 21:10

Tgt Ion:252 Resp: 48751
 Ion Ratio Lower Upper
 252 100
 253 39.8 18.0 27.0#
 125 12.9 4.6 6.8#

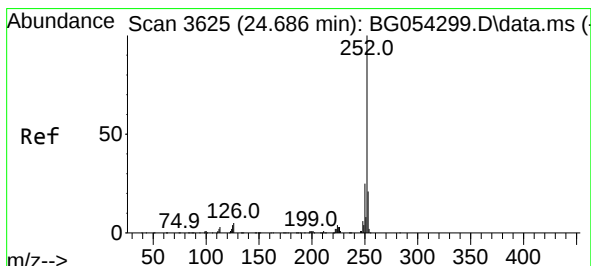
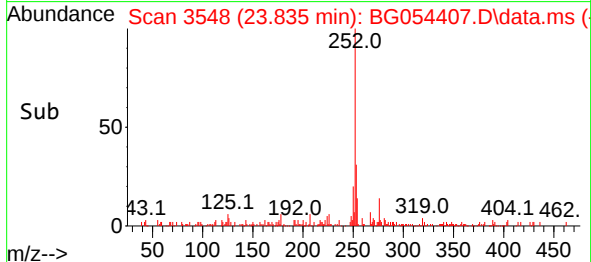
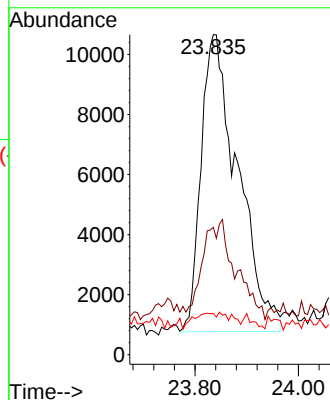
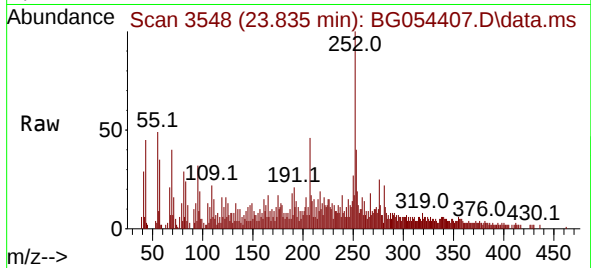




#89
Benzo(k)fluoranthene
Concen: 5.359 ng
RT: 23.835 min Scan# 31
Delta R.T. -0.058 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

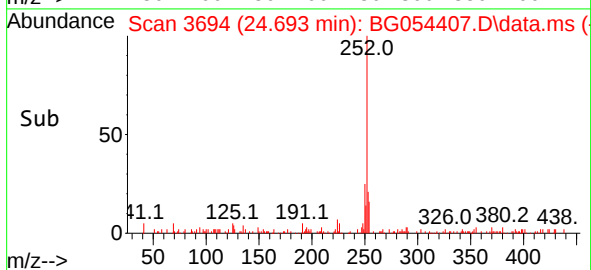
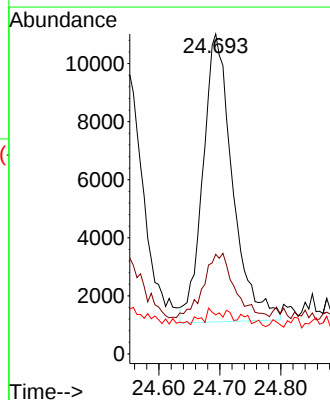
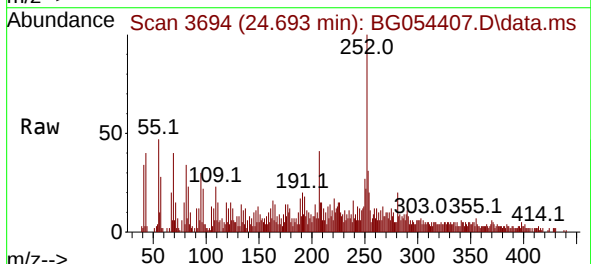
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT

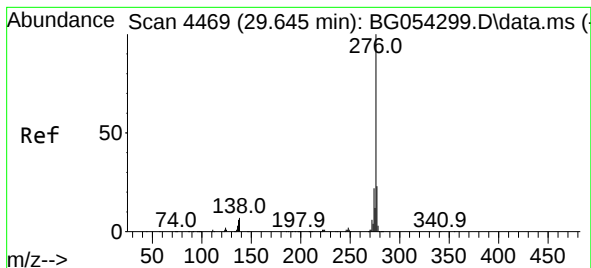
Tgt Ion:252 Resp: 48751
Ion Ratio Lower Upper
252 100
253 39.8 18.4 27.6#
125 12.9 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 4.284 ng
RT: 24.693 min Scan# 3694
Delta R.T. 0.007 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

Tgt Ion:252 Resp: 33444
Ion Ratio Lower Upper
252 100
253 31.1 17.8 26.8#
125 12.2 4.3 6.5#





#92

Benzo(g,h,i)perylene

Concen: 2.010 ng

RT: 29.676 min Scan# 4

Delta R.T. 0.030 min

Lab File: BG054407.D

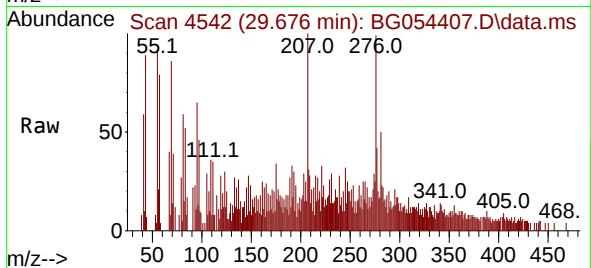
Acq: 26 Jul 2022 21:10

Instrument :

BNA_G

ClientSampleId :

200-E-5TH-ST-DIRT-STONE-ASPHALT



Tgt Ion:276 Resp: 19181

Ion Ratio Lower Upper

276 100

277 42.5 17.3 25.9#

138 10.7 9.6 14.4

