

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060822\
 Data File : BM035436.D
 Acq On : 08 Jun 2022 19:01
 Operator : CG/JU
 Sample : N3203-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GATE-6-JET-GROUT-SPOILS

Quant Time: Jun 09 00:51:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 14:28:07 2022
 Response via : Initial Calibration

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

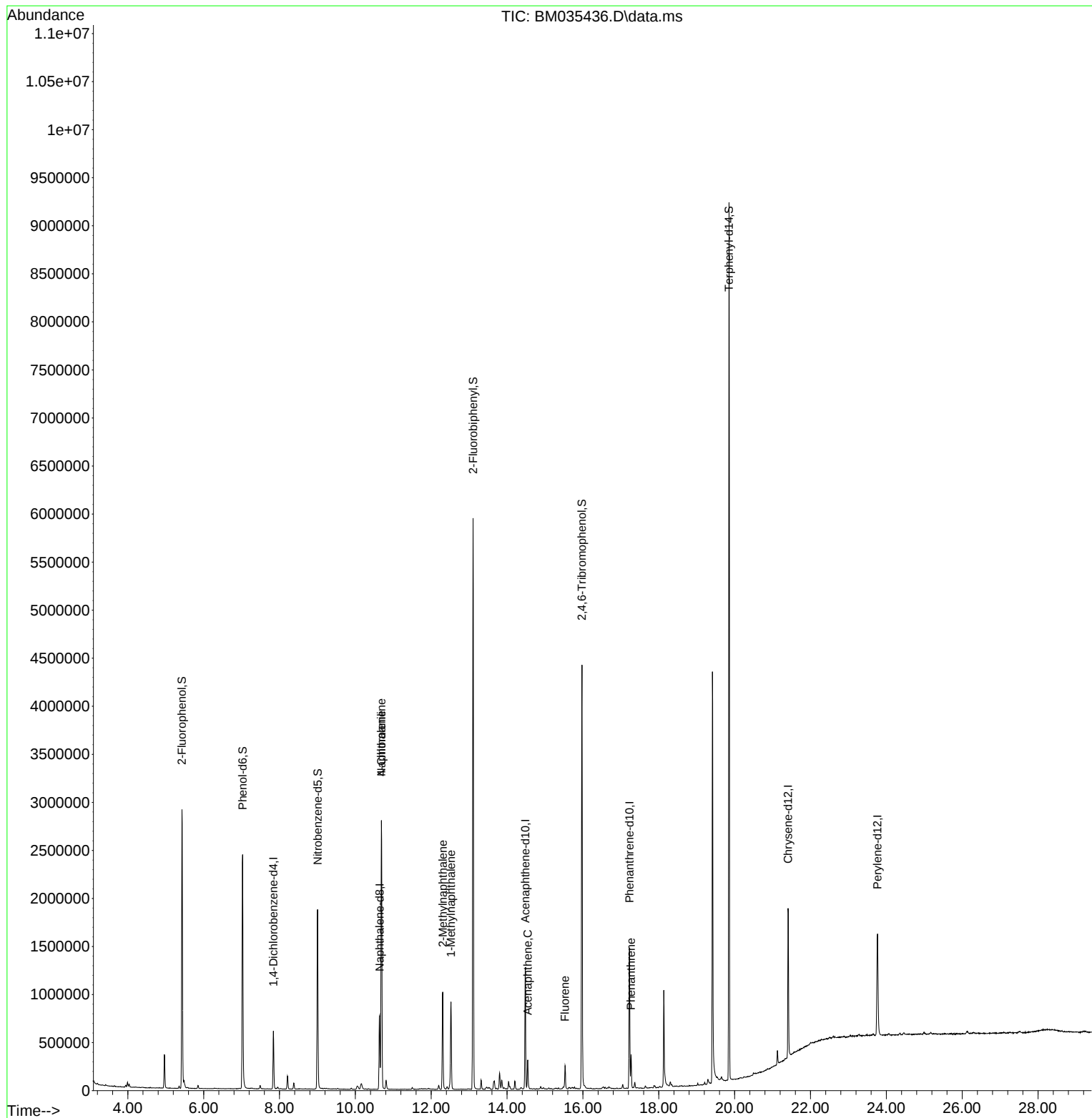
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	186883	20.000	ng	0.00
21) Naphthalene-d8	10.639	136	693783	20.000	ng	# 0.00
39) Acenaphthene-d10	14.480	164	456579	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	949722	20.000	ng	0.00
76) Chrysene-d12	21.409	240	861825	20.000	ng	-0.01
86) Perylene-d12	23.768	264	908690	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1393553	156.692	ng	0.00
7) Phenol-d6	7.028	99	1587874	130.707	ng	0.00
23) Nitrobenzene-d5	9.004	82	1100646	100.733	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	1045476	142.714	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	3278697	103.139	ng	0.00
79) Terphenyl-d14	19.850	244	4973825	114.979	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.022	77	3398	Below Cal	#	22
31) Naphthalene	10.686	128	2442885	72.671	ng	100
33) 4-Chloroaniline	10.686	127	317001	22.518	ng	# 33
37) 2-Methylnaphthalene	12.304	142	505378	19.924	ng	96
38) 1-Methylnaphthalene	12.521	142	460327	18.518	ng	# 97
52) Acenaphthene	14.545	154	114653	4.897	ng	98
58) Fluorene	15.527	166	114032	3.629	ng	98
71) Phenanthrene	17.268	178	224958	4.680	ng	98

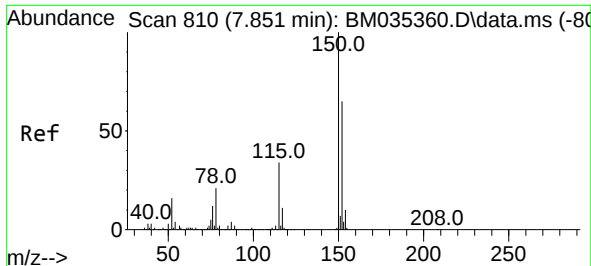
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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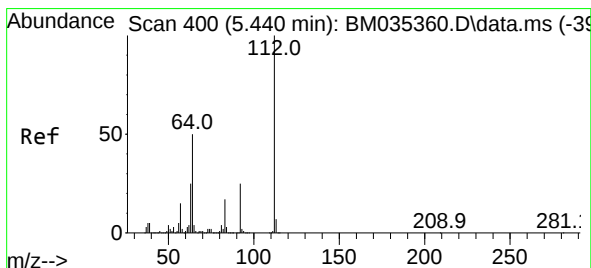
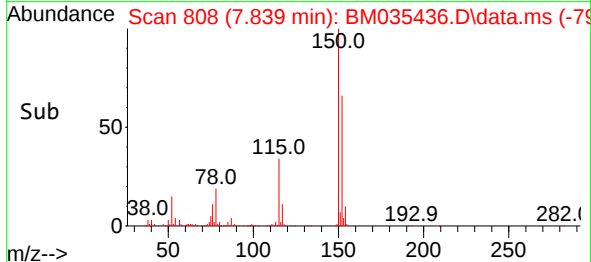
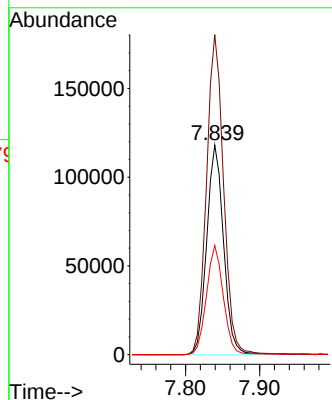
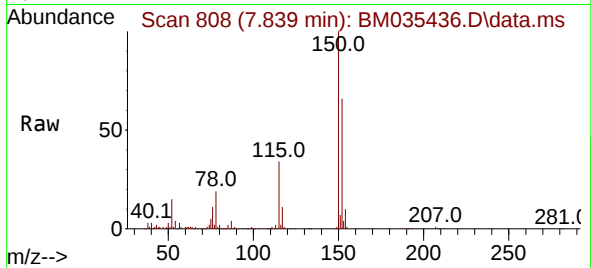




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

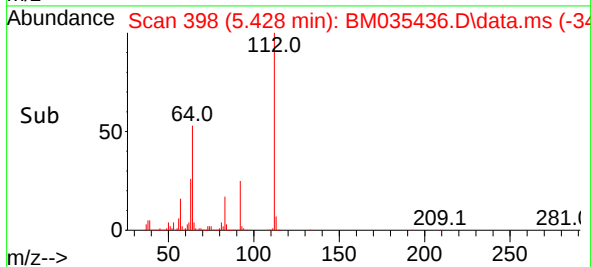
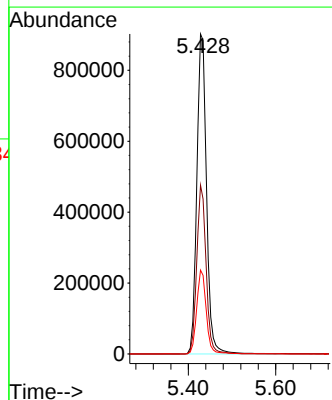
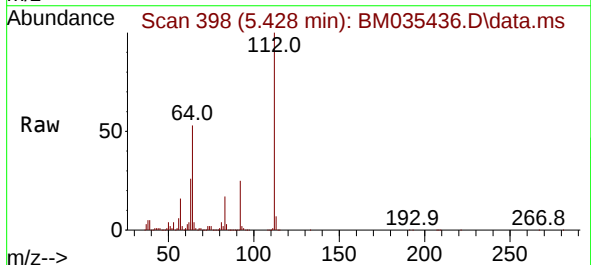
Instrument :
BNA_M
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

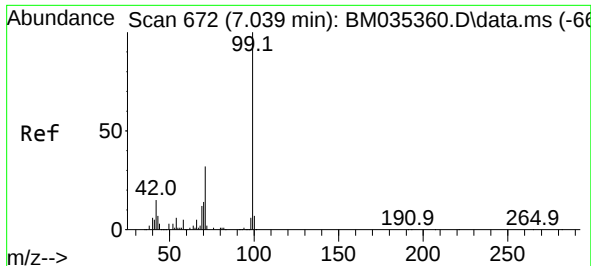
Tgt Ion:152 Resp: 186883
Ion Ratio Lower Upper
152 100
150 152.6 124.9 187.3
115 52.1 47.9 71.9



#5
2-Fluorophenol
Concen: 156.692 ng
RT: 5.428 min Scan# 398
Delta R.T. -0.000 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

Tgt Ion:112 Resp: 1393553
Ion Ratio Lower Upper
112 100
64 52.7 47.8 71.6
63 26.2 26.6 40.0#

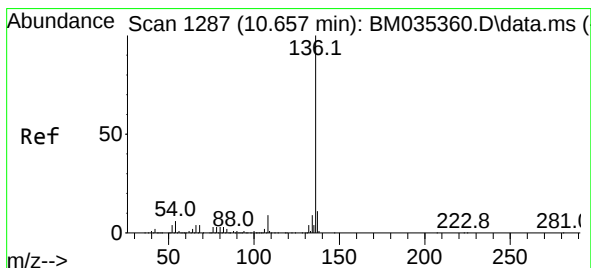
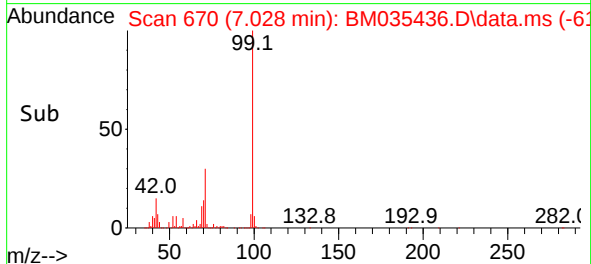
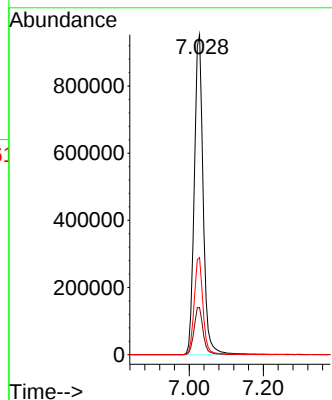
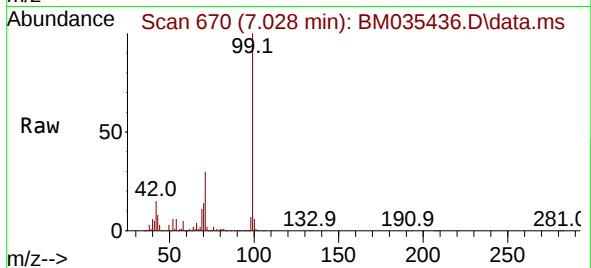




#7
Phenol-d6
Concen: 130.707 ng
RT: 7.028 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

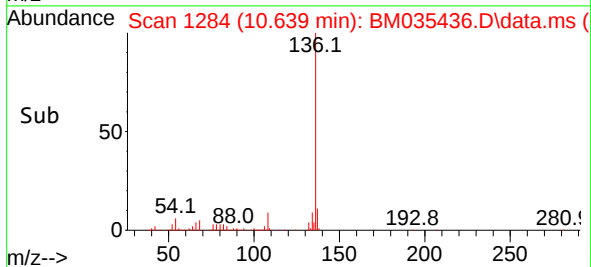
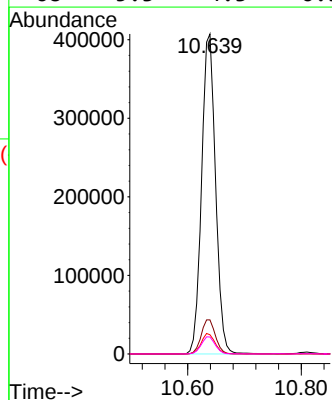
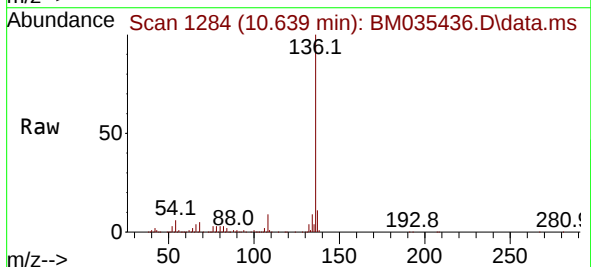
Instrument :
BNA_M
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

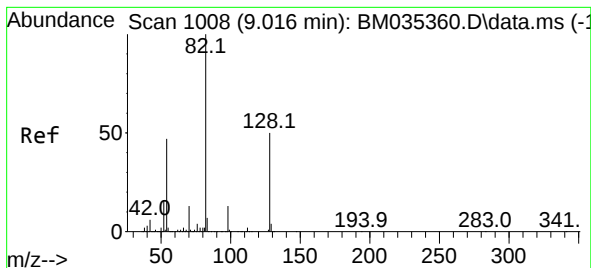
Tgt Ion: 99 Resp: 1587874
Ion Ratio Lower Upper
99 100
42 14.7 18.8 28.2#
71 30.3 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

Tgt Ion: 136 Resp: 693783
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.0 7.0 10.4#
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 100.733 ng

RT: 9.004 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM035436.D

Acq: 08 Jun 2022 19:01

Instrument :

BNA_M

ClientSampleId :

GATE-6-JET-GROUT-SPOILS

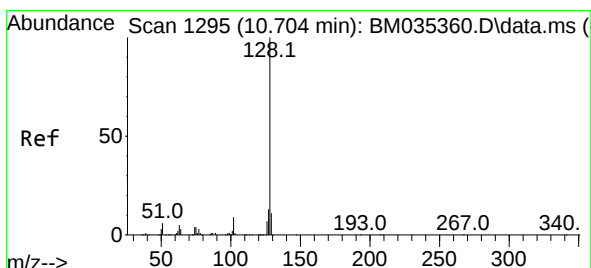
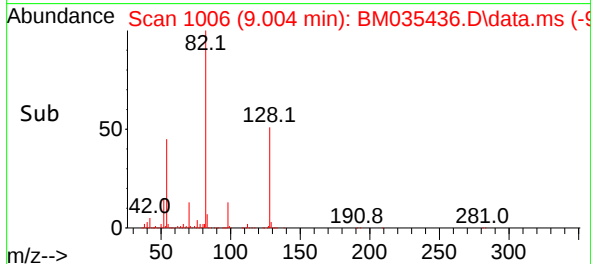
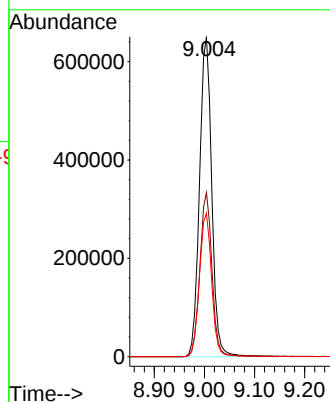
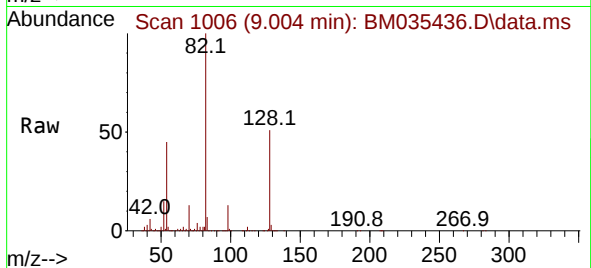
Tgt Ion: 82 Resp: 1100646

Ion Ratio Lower Upper

82 100

128 51.3 33.7 50.5#

54 44.8 43.2 64.8



#31

Naphthalene

Concen: 72.671 ng

RT: 10.686 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BM035436.D

Acq: 08 Jun 2022 19:01

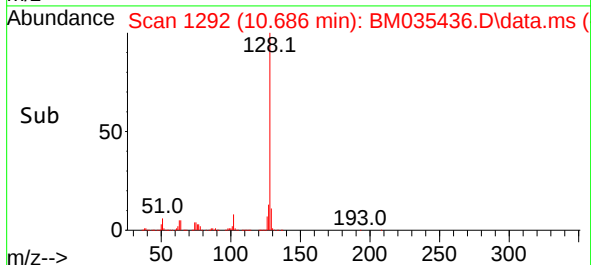
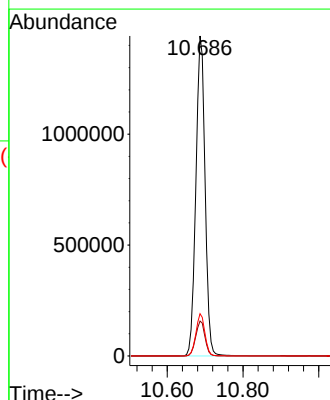
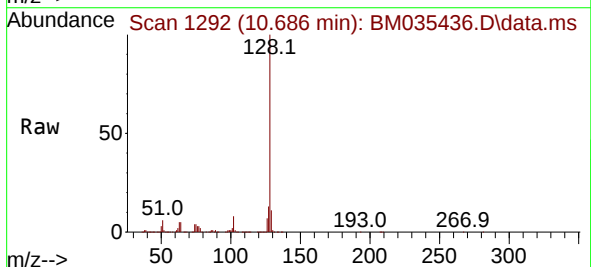
Tgt Ion:128 Resp: 2442885

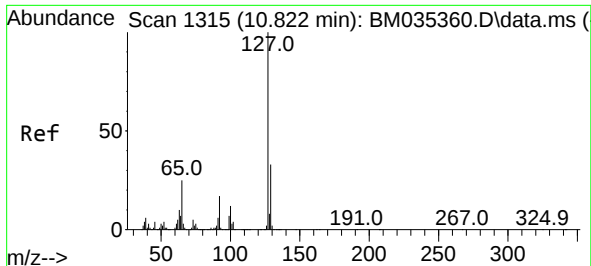
Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.2 10.6 16.0

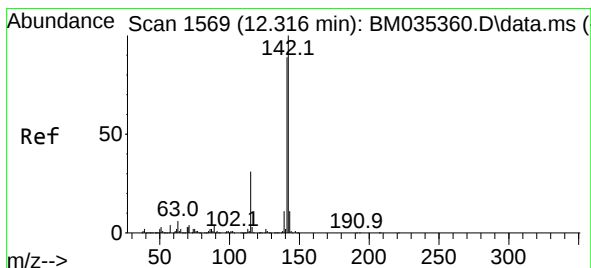
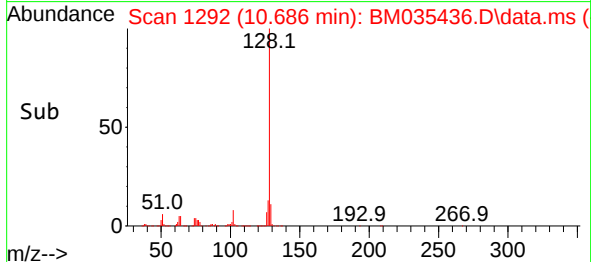
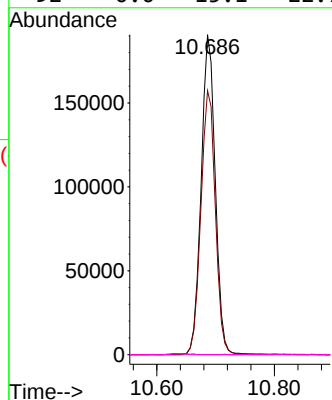
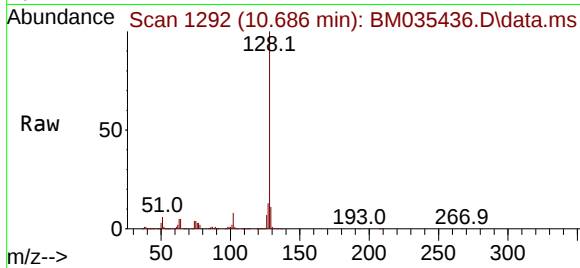




#33
4-Chloroaniline
Concen: 22.518 ng
RT: 10.686 min Scan# 11
Delta R.T. -0.124 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

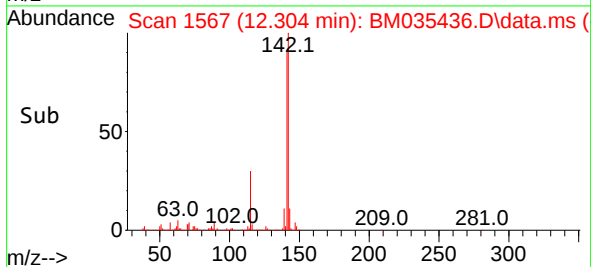
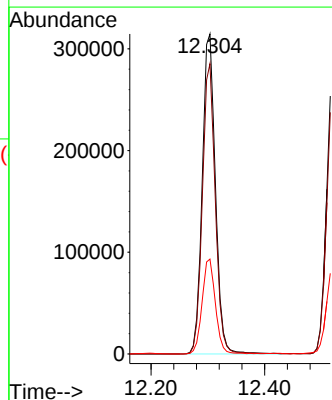
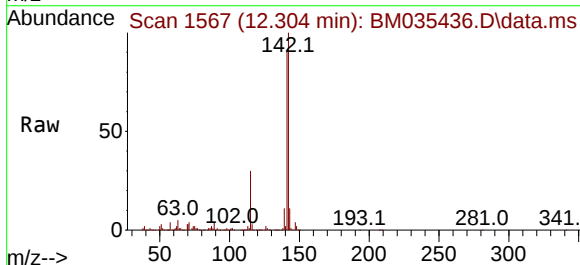
Instrument :
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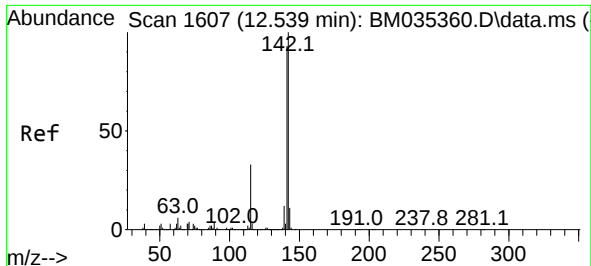
Tgt Ion:127 Resp: 317001
Ion Ratio Lower Upper
127 100
129 82.5 25.7 38.5#
65 0.0 26.6 40.0#
92 0.0 15.1 22.7#



#37
2-Methylnaphthalene
Concen: 19.924 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

Tgt Ion:142 Resp: 505378
Ion Ratio Lower Upper
142 100
141 90.7 72.4 108.6
115 29.7 29.6 44.4

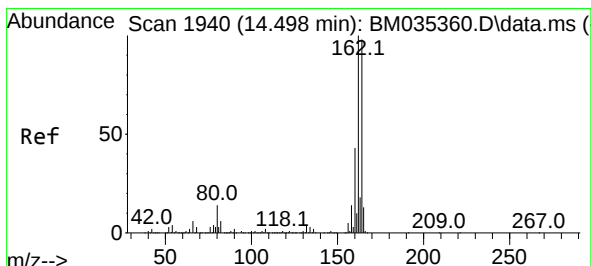
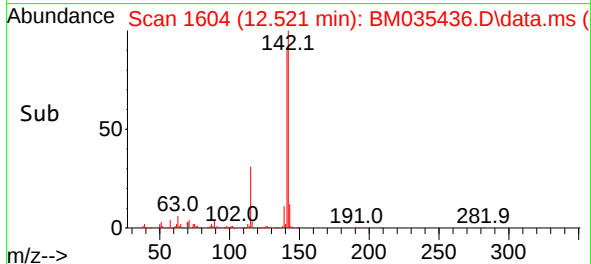
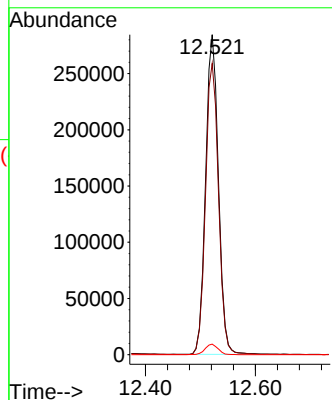
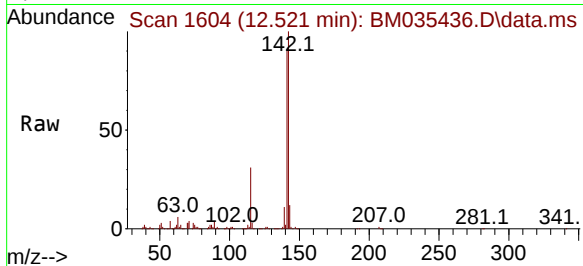




#38
1-Methylnaphthalene
Concen: 18.518 ng
RT: 12.521 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

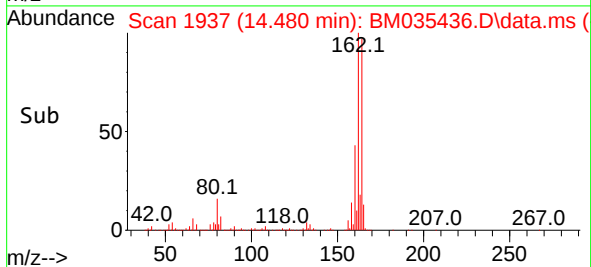
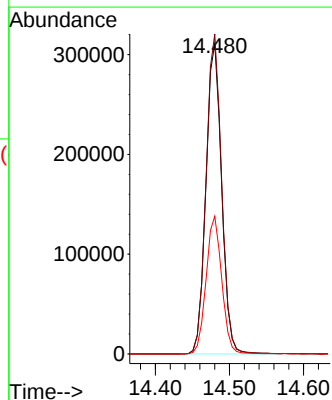
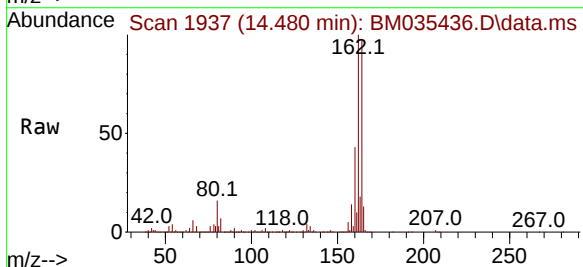
Instrument :
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ClientSampleId :
GATE-6-JET-GROUT-SPOILS

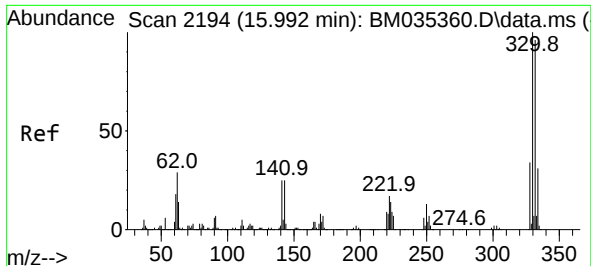
Tgt Ion:142 Resp: 460327
Ion Ratio Lower Upper
142 100
141 91.0 75.0 112.4
116 3.3 3.4 5.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

Tgt Ion:164 Resp: 456579
Ion Ratio Lower Upper
164 100
162 103.0 83.0 124.6
160 44.4 37.0 55.4

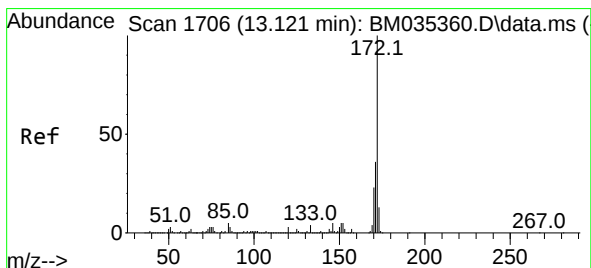
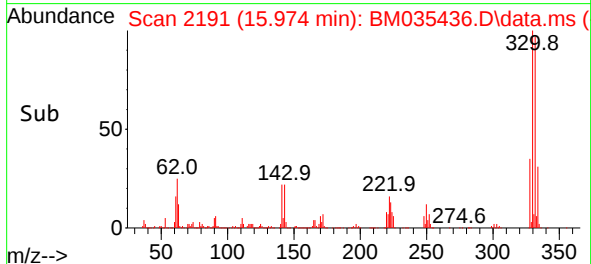
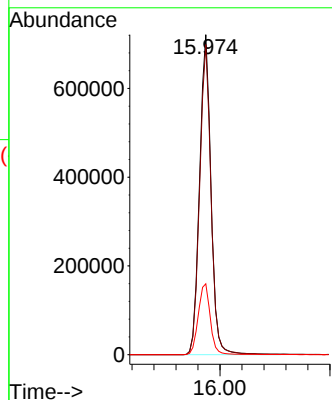
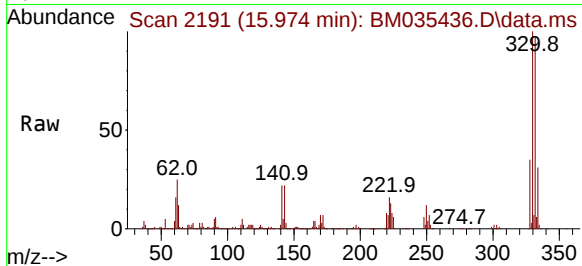




#42
2,4,6-Tribromophenol
Concen: 142.714 ng
RT: 15.974 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

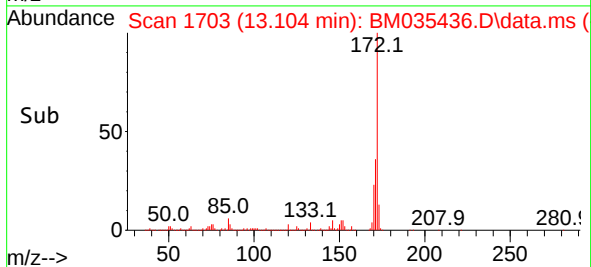
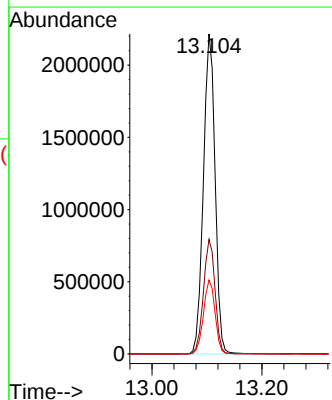
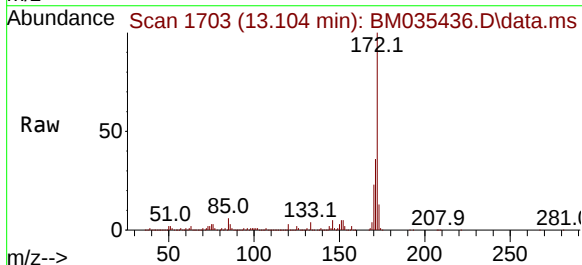
Instrument :
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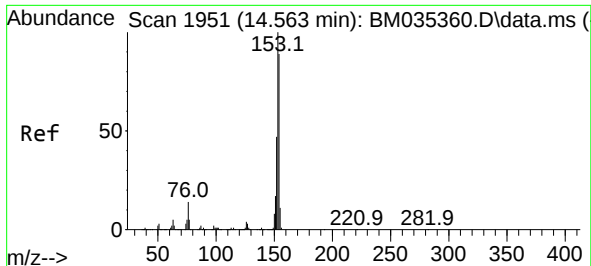
Tgt Ion:330 Resp: 1045476
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 23.4 35.3 52.9#



#45
2-Fluorobiphenyl
Concen: 103.139 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.006 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

Tgt Ion:172 Resp: 3278697
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.1 18.7 28.1

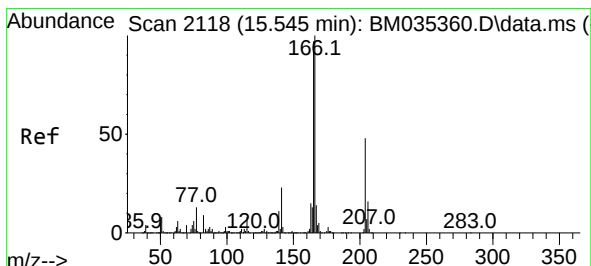
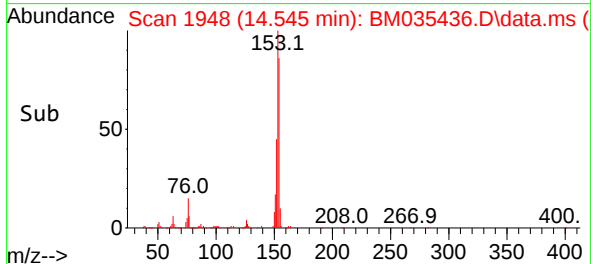
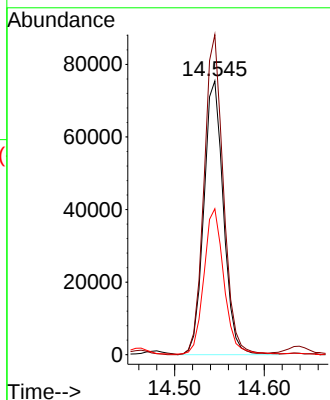
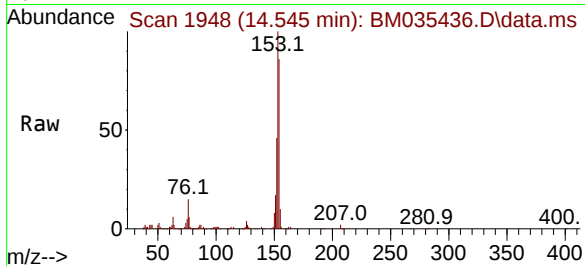




#52
Acenaphthene
Concen: 4.897 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

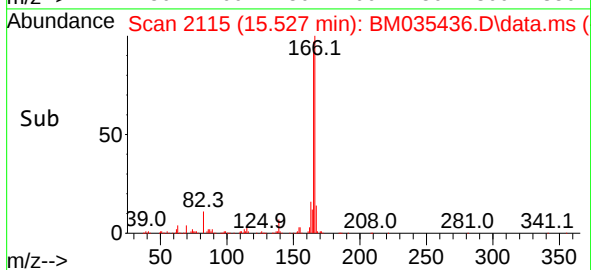
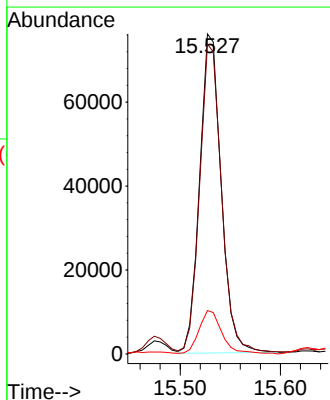
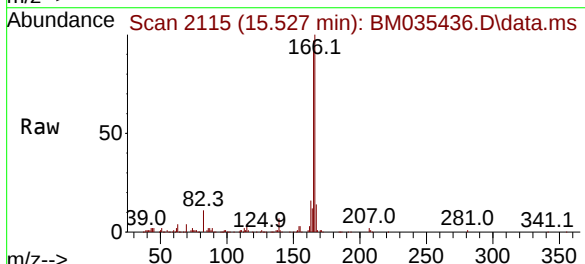
Instrument :
BNA_M
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

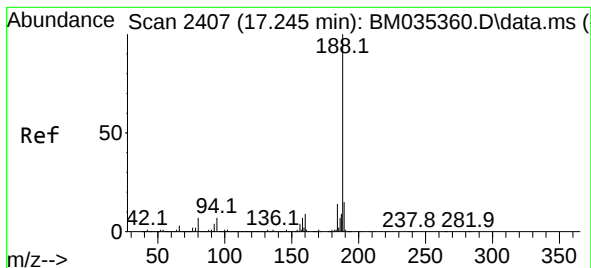
Tgt Ion:154 Resp: 114653
Ion Ratio Lower Upper
154 100
153 116.9 91.0 136.6
152 53.3 43.4 65.2



#58
Fluorene
Concen: 3.629 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

Tgt Ion:166 Resp: 114032
Ion Ratio Lower Upper
166 100
165 96.8 79.4 119.2
167 13.6 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.227 min Scan# 2404

Delta R.T. -0.000 min

Lab File: BM035436.D

Acq: 08 Jun 2022 19:01

Instrument :

BNA_M

ClientSampleId :

GATE-6-JET-GROUT-SPOILS

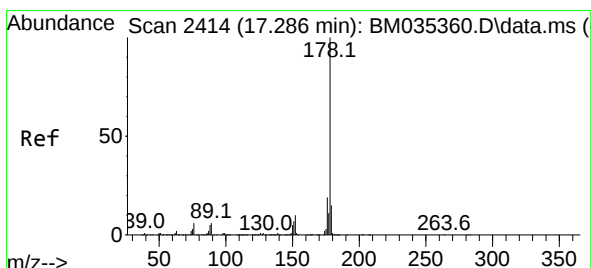
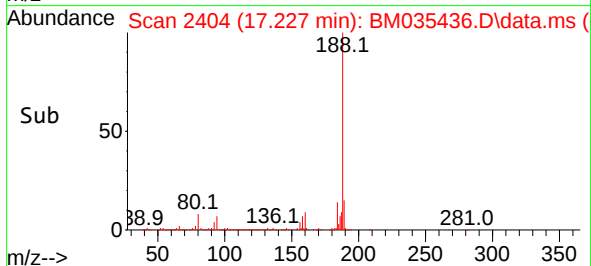
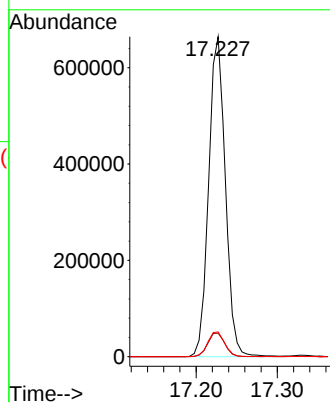
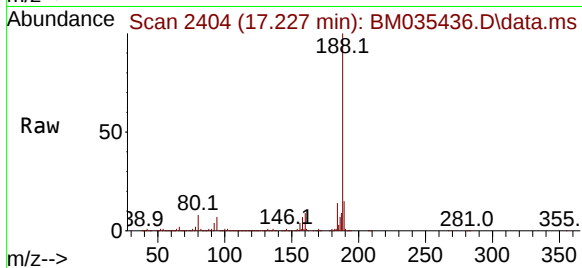
Tgt Ion:188 Resp: 949722

Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.4

80 7.8 7.6 11.4



#71

Phenanthrene

Concen: 4.680 ng

RT: 17.268 min Scan# 2411

Delta R.T. -0.006 min

Lab File: BM035436.D

Acq: 08 Jun 2022 19:01

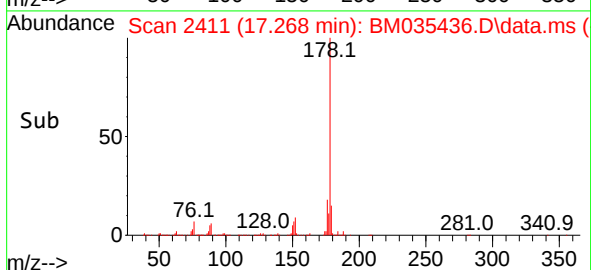
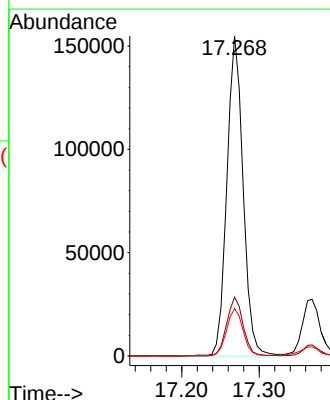
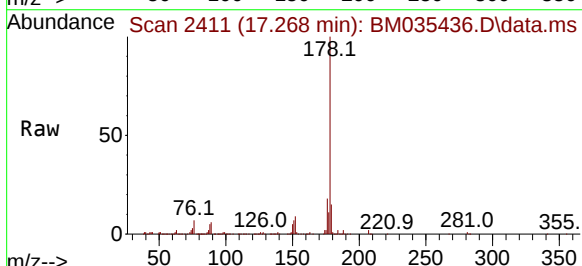
Tgt Ion:178 Resp: 224958

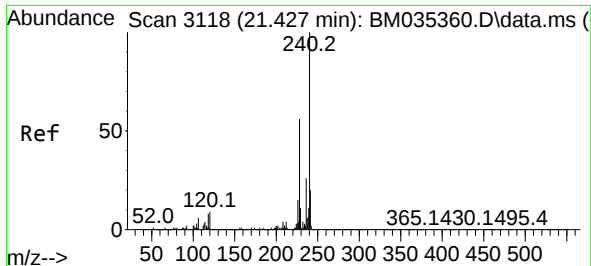
Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

179 14.8 12.4 18.6

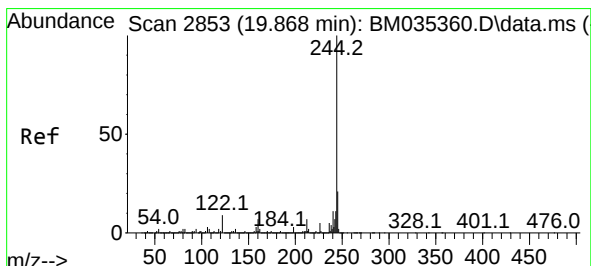
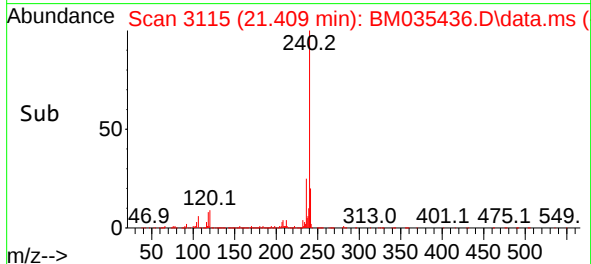
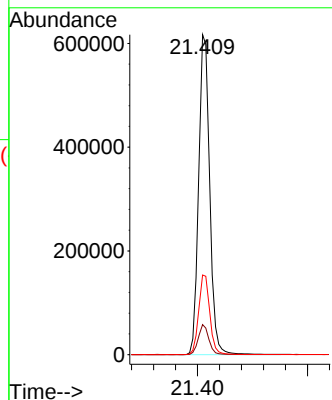
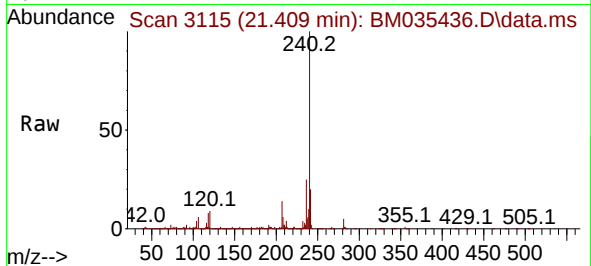




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

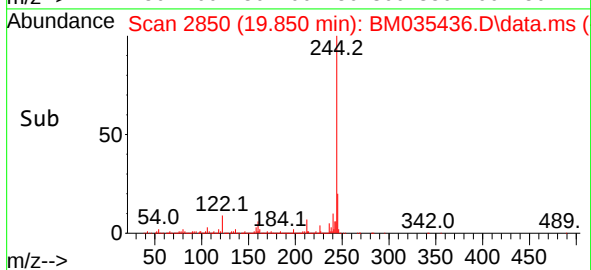
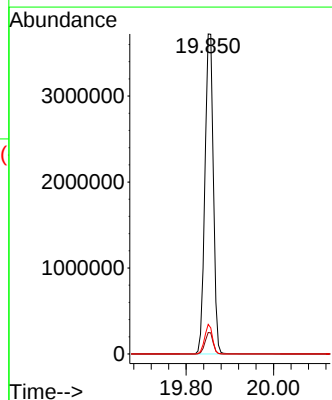
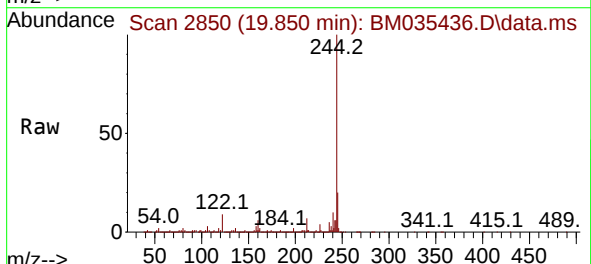
Instrument :
BNA_M
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

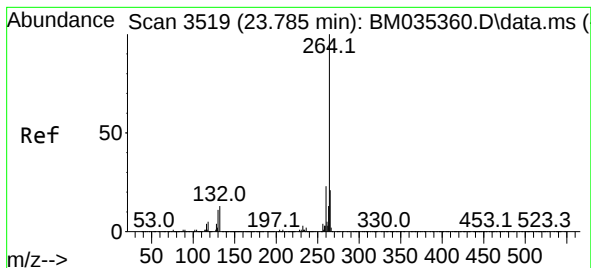
Tgt Ion:240 Resp: 861825
Ion Ratio Lower Upper
240 100
120 9.4 9.4 14.0
236 24.9 20.6 30.8



#79
Terphenyl-d14
Concen: 114.979 ng
RT: 19.850 min Scan# 2850
Delta R.T. -0.006 min
Lab File: BM035436.D
Acq: 08 Jun 2022 19:01

Tgt Ion:244 Resp: 4973825
Ion Ratio Lower Upper
244 100
212 6.7 6.2 9.4
122 9.2 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.768 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM035436.D

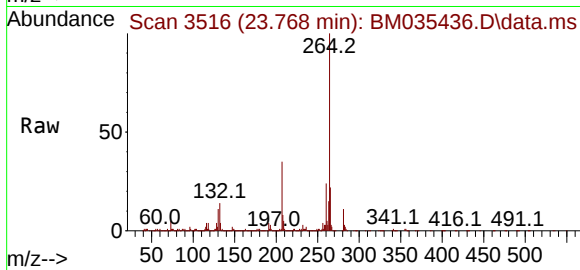
Acq: 08 Jun 2022 19:01

Instrument :

BNA_M

ClientSampleId :

GATE-6-JET-GROUT-SPOILS



Tgt Ion:264 Resp: 908690

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 22.1 17.5 26.3

