

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039564.D
 Acq On : 21 Apr 2023 22:52
 Operator : CG/JU
 Sample : 02416-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NATIONAL-GRID-COMP

Quant Time: Apr 22 01:48:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 21 12:46:01 2023
 Response via : Initial Calibration

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

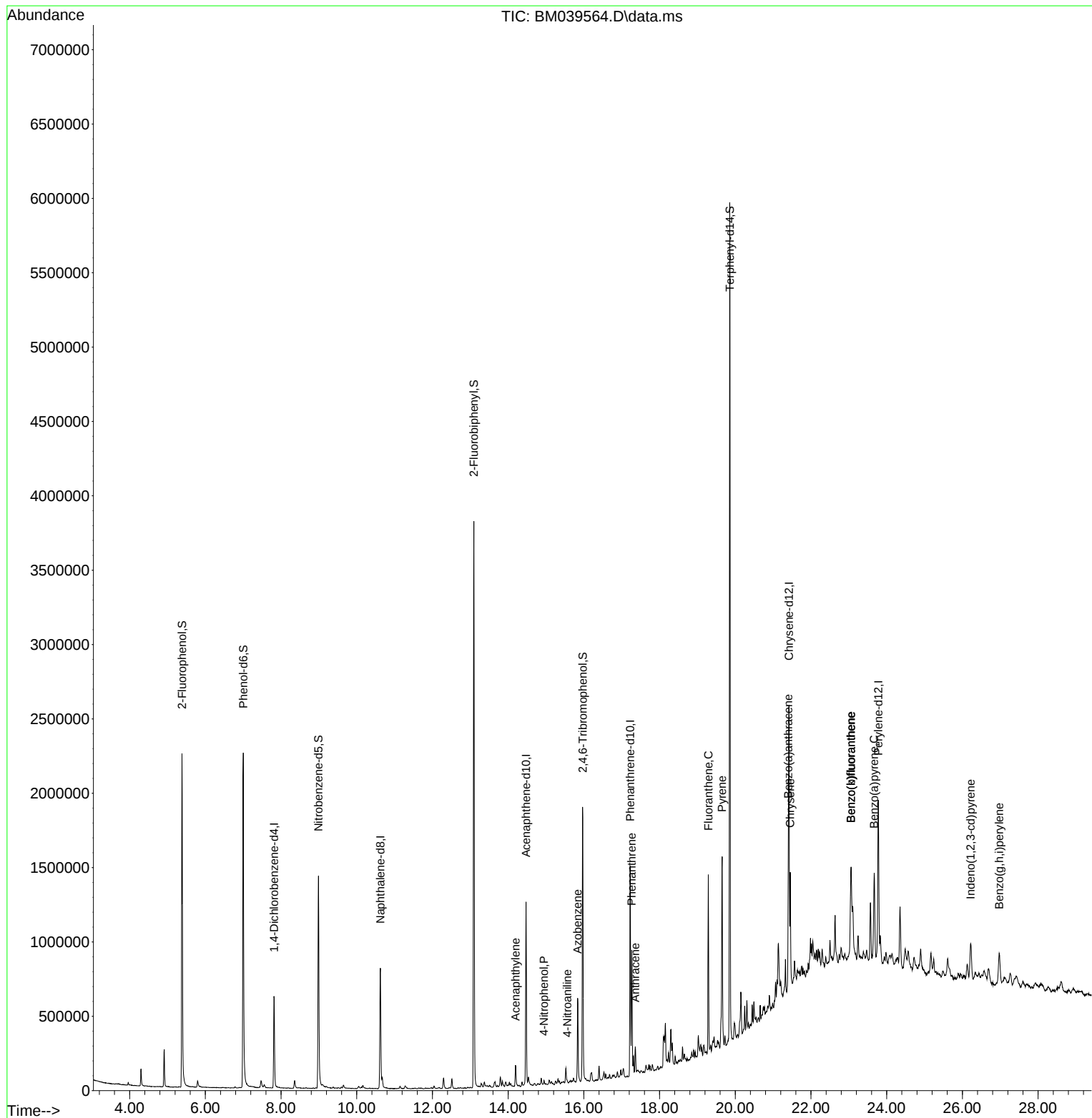
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	169595	20.000	ng	0.00
21) Naphthalene-d8	10.624	136	699903	20.000	ng	0.00
39) Acenaphthene-d10	14.471	164	415226	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	832036	20.000	ng	0.00
76) Chrysene-d12	21.418	240	718476	20.000	ng	0.00
86) Perylene-d12	23.777	264	791477	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	977601	94.179	ng	0.00
7) Phenol-d6	7.001	99	1399106	91.714	ng	0.00
23) Nitrobenzene-d5	8.989	82	899624	62.945	ng	0.00
42) 2,4,6-Tribromophenol	15.971	330	311301	57.775	ng	0.00
45) 2-Fluorobiphenyl	13.095	172	1907301	63.556	ng	0.00
79) Terphenyl-d14	19.853	244	2656957	66.714	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.195	152	103609	2.547	ng	99
56) 4-Nitrophenol	14.948	139	894	5.544	ng	93
62) 4-Nitroaniline	15.565	138	59	2.798	ng	# 5
63) Azobenzene	15.836	77	174743	5.146	ng	# 1
71) Phenanthrene	17.265	178	494888	10.969	ng	99
72) Anthracene	17.359	178	135927	2.937	ng	98
75) Fluoranthene	19.289	202	658942	12.038	ng	100
78) Pyrene	19.653	202	770488	14.582	ng	100
81) Benzo(a)anthracene	21.400	228	404365	7.925	ng	97
83) Chrysene	21.453	228	405724	8.204	ng	96
87) Indeno(1,2,3-cd)pyrene	26.218	276	260921	4.486	ng	96
88) Benzo(b)fluoranthene	23.059	252	676953	14.028	ng	# 95
89) Benzo(k)fluoranthene	23.059	252	676953	13.418	ng	# 94
90) Benzo(a)pyrene	23.671	252	391454	8.162	ng	# 96
92) Benzo(g,h,i)perylene	26.976	276	280262	5.849	ng	100

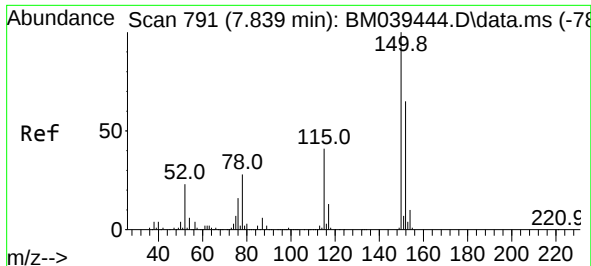
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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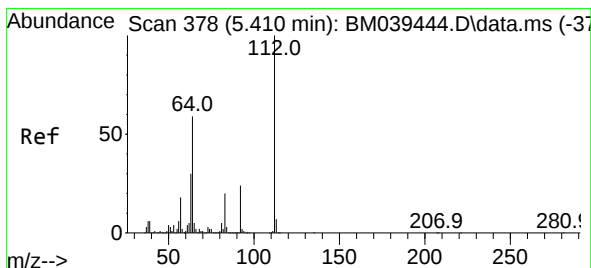
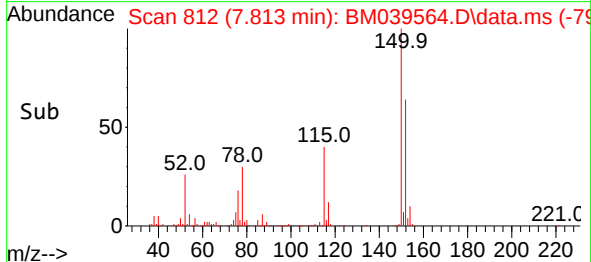
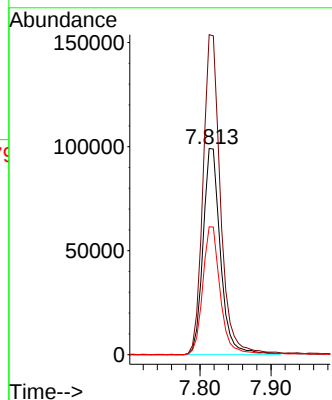
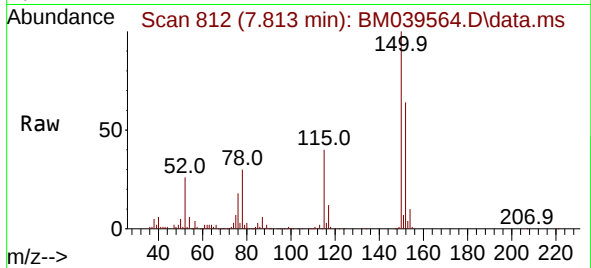




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.813 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

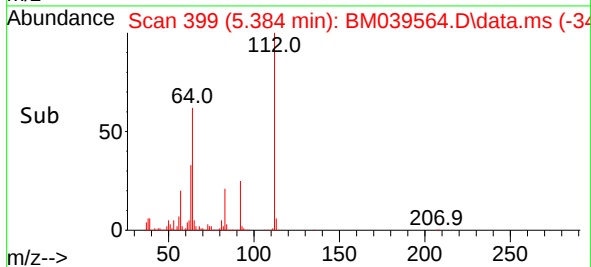
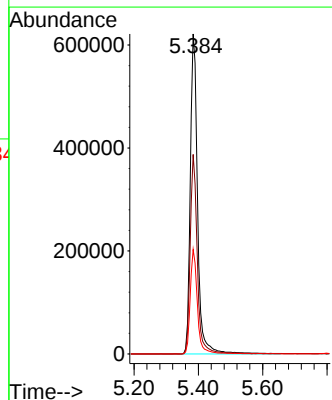
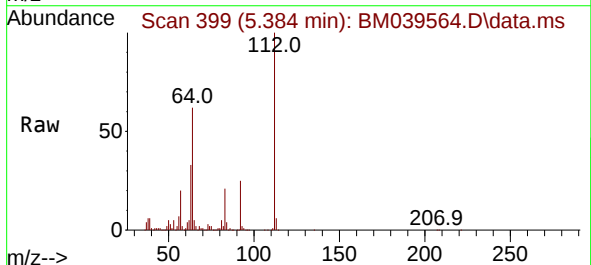
Instrument :
BNA_M
ClientSampleId :
NATIONAL-GRID-COMP

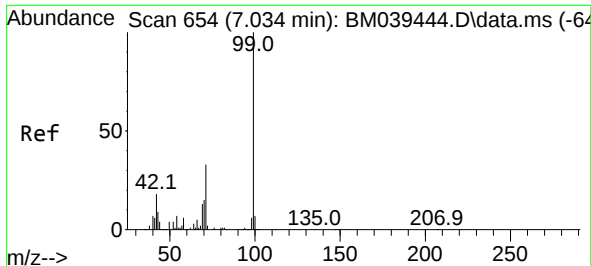
Tgt Ion:152 Resp: 169595
Ion Ratio Lower Upper
152 100
150 155.2 123.0 184.4
115 62.0 49.9 74.9



#5
2-Fluorophenol
Concen: 94.179 ng
RT: 5.384 min Scan# 399
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

Tgt Ion:112 Resp: 977601
Ion Ratio Lower Upper
112 100
64 62.4 47.0 70.4
63 32.7 24.2 36.4

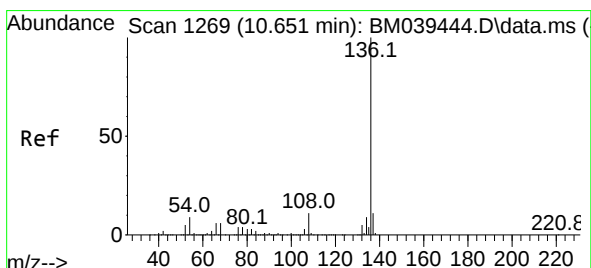
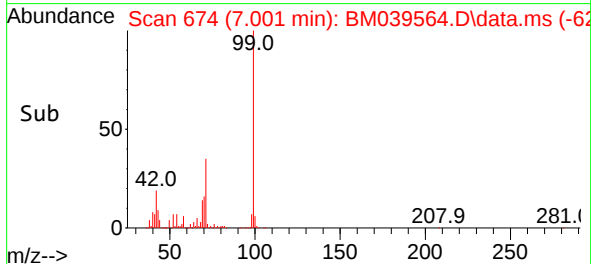
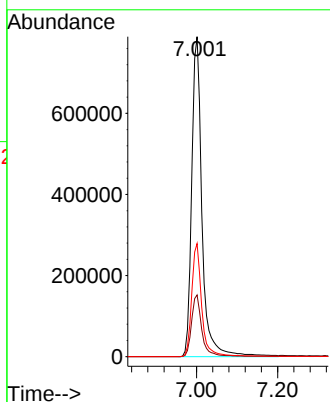
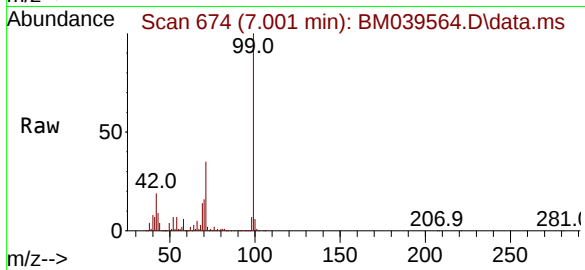




#7
Phenol-d6
Concen: 91.714 ng
RT: 7.001 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

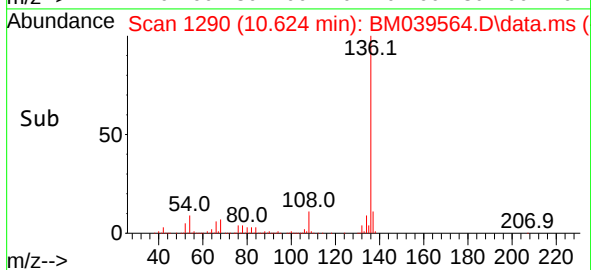
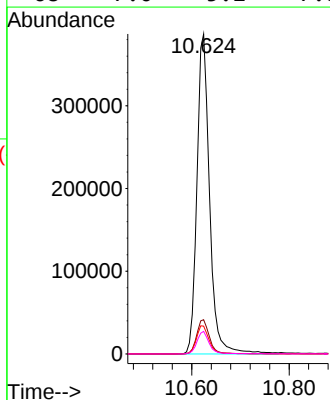
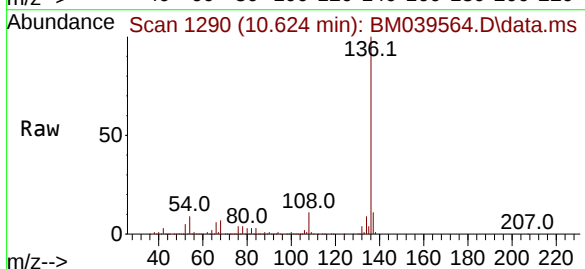
Instrument :
BNA_M
ClientSampleId :
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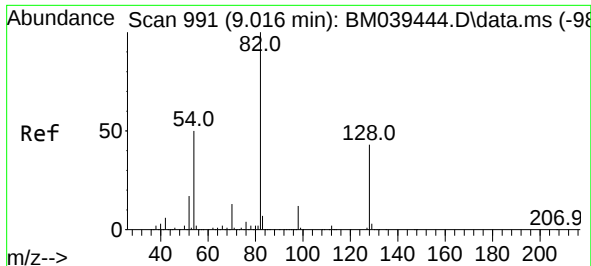
Tgt Ion: 99 Resp: 1399106
Ion Ratio Lower Upper
99 100
42 19.3 14.2 21.4
71 35.4 26.8 40.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.624 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

Tgt Ion: 136 Resp: 699903
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.7 6.9 10.3
68 7.0 5.2 7.8

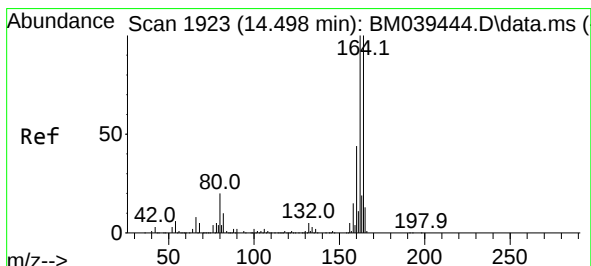
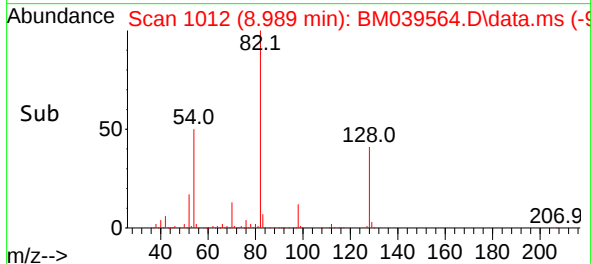
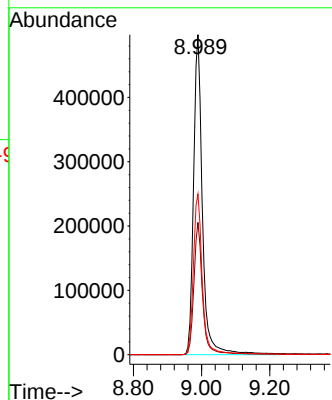
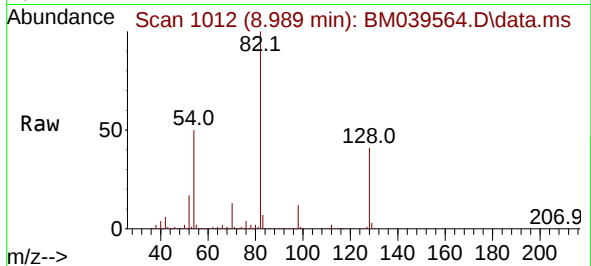




#23
Nitrobenzene-d5
Concen: 62.945 ng
RT: 8.989 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

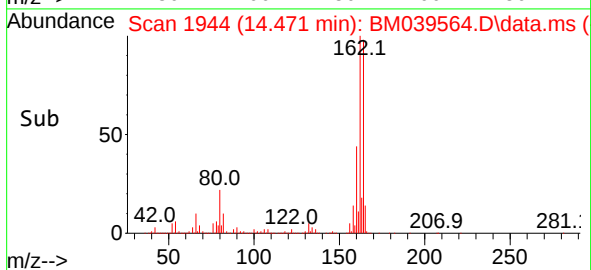
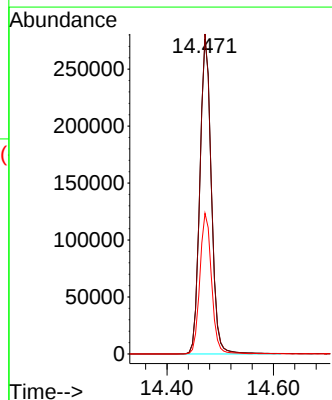
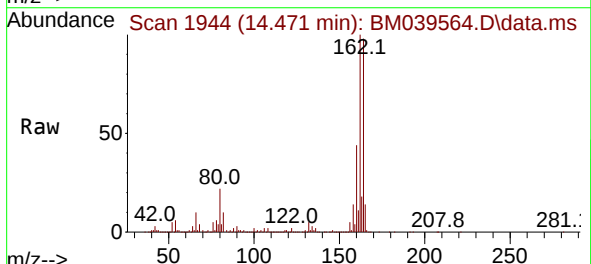
Instrument :
BNA_M
ClientSampleId :
NATIONAL-GRID-COMP

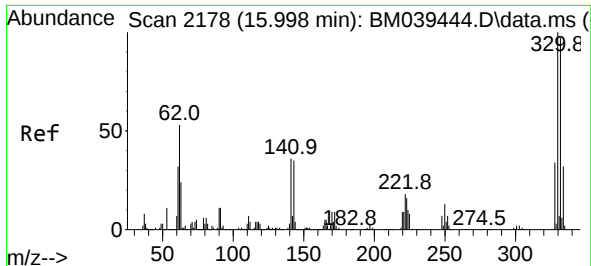
Tgt Ion: 82 Resp: 899624
Ion Ratio Lower Upper
82 100
128 41.4 34.2 51.2
54 50.2 39.7 59.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.471 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

Tgt Ion: 164 Resp: 415226
Ion Ratio Lower Upper
164 100
162 101.6 79.8 119.8
160 44.7 35.0 52.4

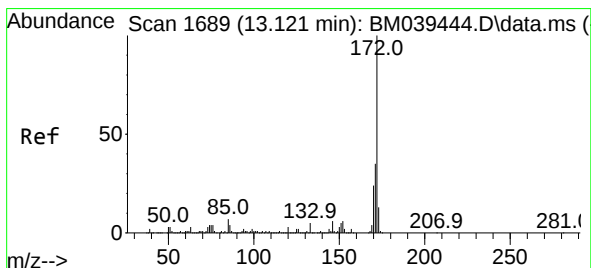
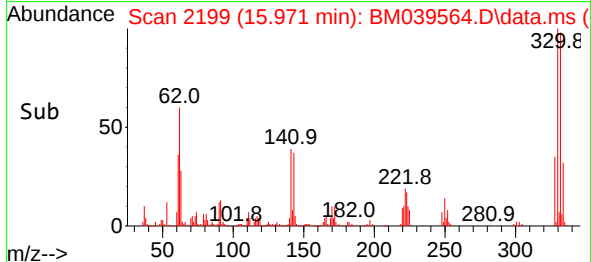
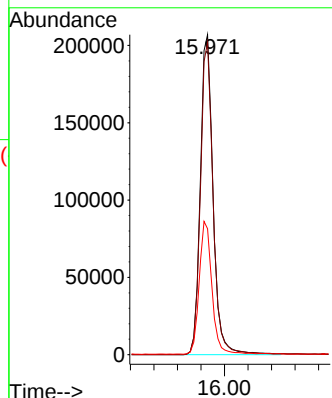
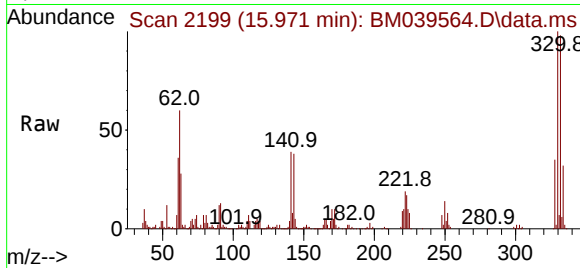




#42
2,4,6-Tribromophenol
Concen: 57.775 ng
RT: 15.971 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

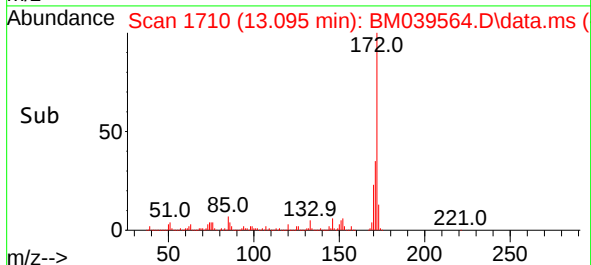
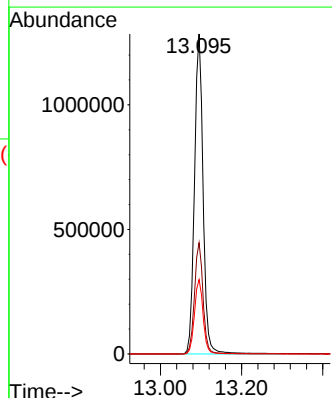
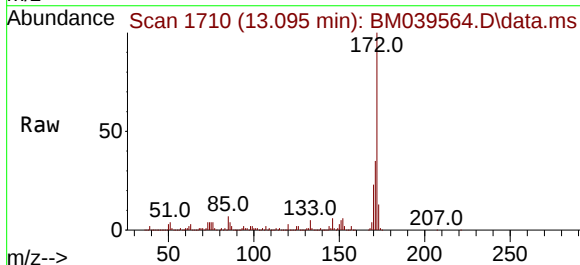
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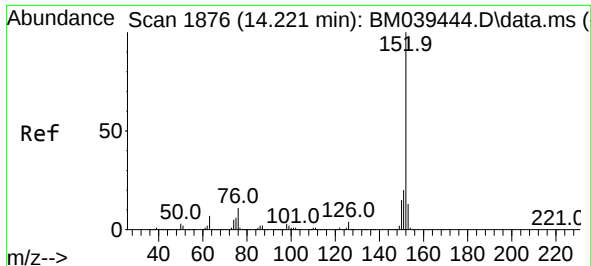
Tgt Ion:330 Resp: 311301
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.2
141 41.3 31.0 46.6



#45
2-Fluorobiphenyl
Concen: 63.556 ng
RT: 13.095 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

Tgt Ion:172 Resp: 1907301
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.3 19.0 28.4

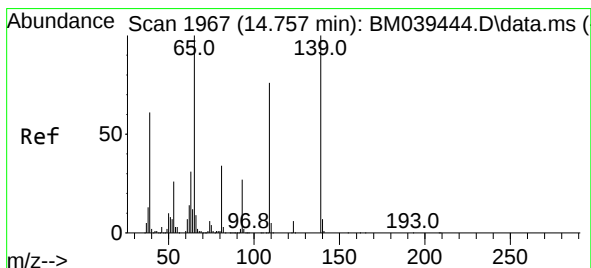
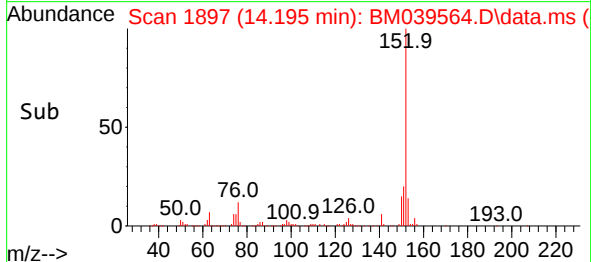
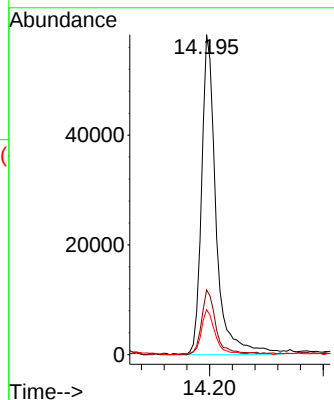
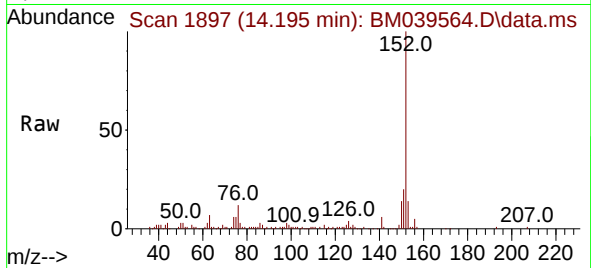




#49
Acenaphthylene
Concen: 2.547 ng
RT: 14.195 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

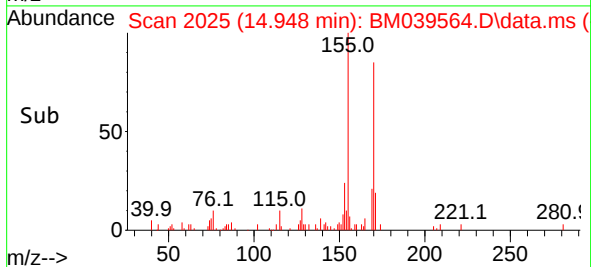
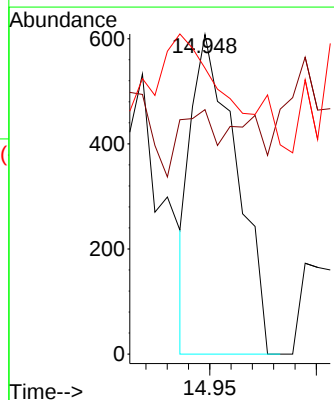
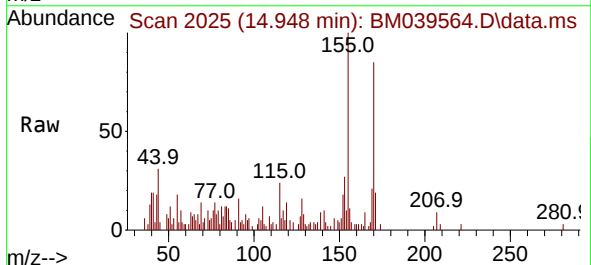
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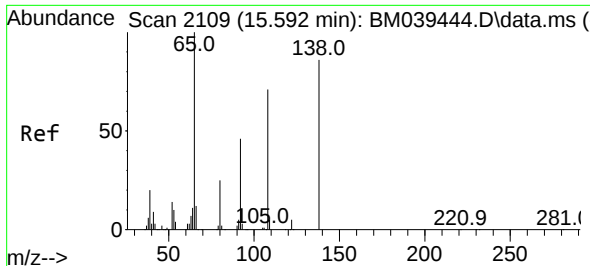
Tgt Ion:152 Resp: 103609
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 14.0 10.6 15.8



#56
4-Nitrophenol
Concen: 5.544 ng
RT: 14.948 min Scan# 2025
Delta R.T. 0.217 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

Tgt Ion:139 Resp: 894
Ion Ratio Lower Upper
139 100
109 76.5 56.5 96.5
65 89.5 81.3 121.3

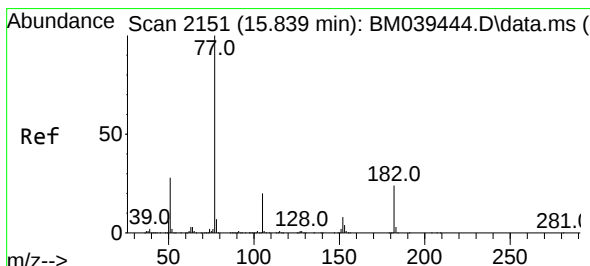
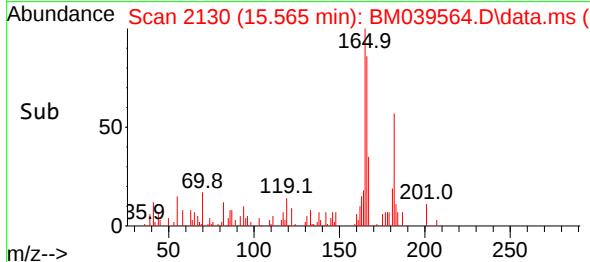
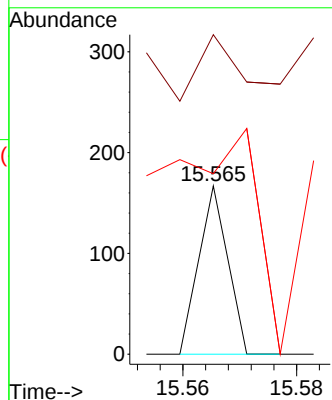
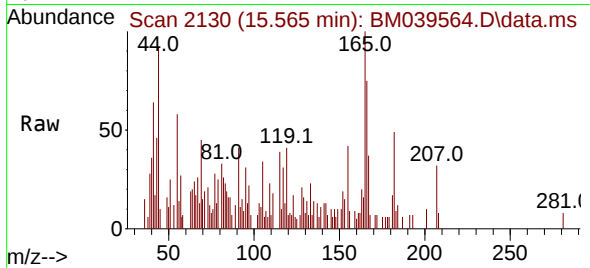




#62
4-Nitroaniline
Concen: 2.798 ng
RT: 15.565 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

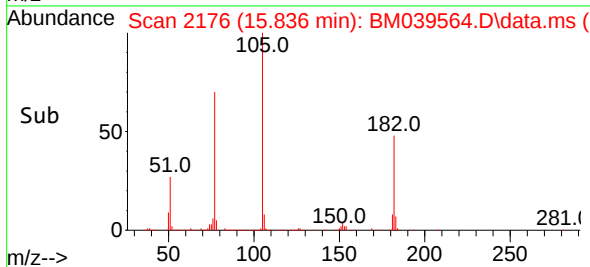
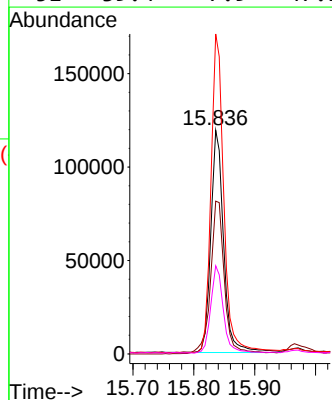
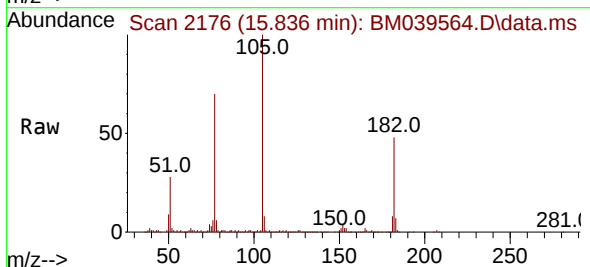
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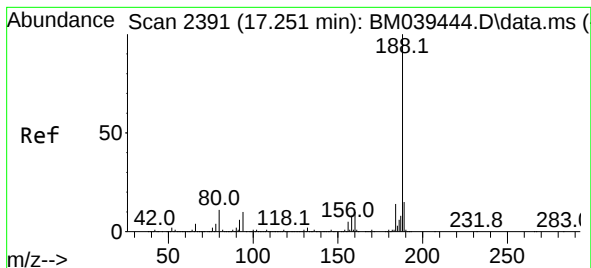
Tgt Ion:138 Resp: 59
Ion Ratio Lower Upper
138 100
92 189.8 32.6 72.6#
108 107.2 60.6 100.6#



#63
Azobenzene
Concen: 5.146 ng
RT: 15.836 min Scan# 2176
Delta R.T. 0.017 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

Tgt Ion: 77 Resp: 174743
Ion Ratio Lower Upper
77 100
182 68.3 3.7 43.7#
105 143.1 0.5 40.5#
51 39.4 7.9 47.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.224 min Scan# 2412

Delta R.T. -0.006 min

Lab File: BM039564.D

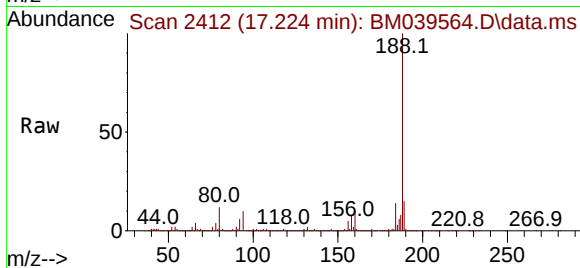
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Instrument :

BNA_M

ClientSampleId :

NATIONAL-GRID-COMP



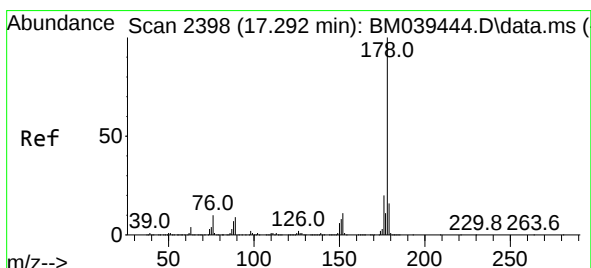
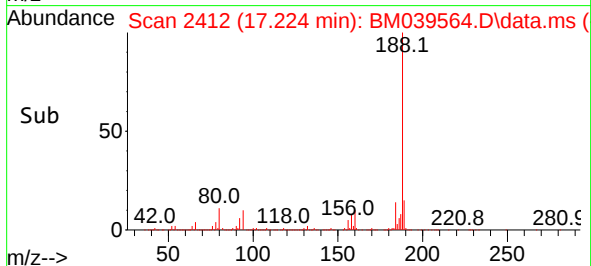
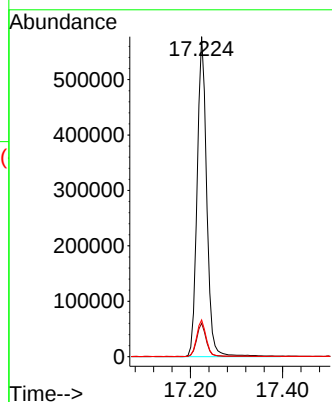
Tgt Ion:188 Resp: 832036

Ion Ratio Lower Upper

188 100

94 10.4 7.9 11.9

80 11.5 8.9 13.3



#71

Phenanthrene

Concen: 10.969 ng

RT: 17.265 min Scan# 2419

Delta R.T. -0.012 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

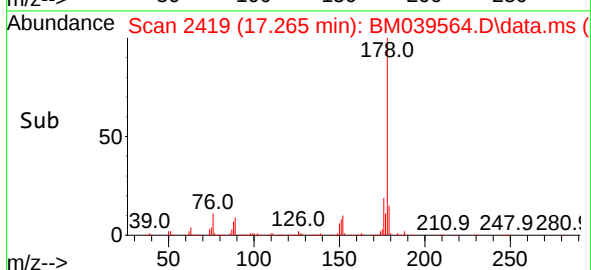
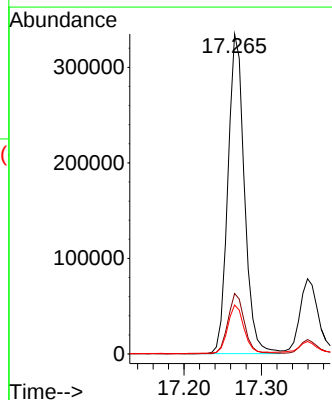
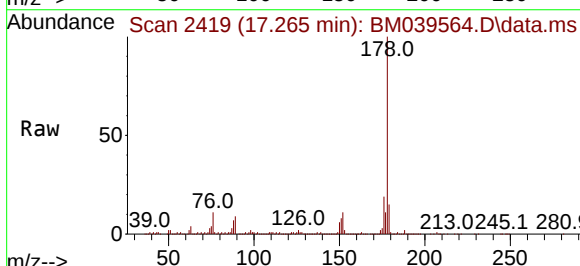
Tgt Ion:178 Resp: 494888

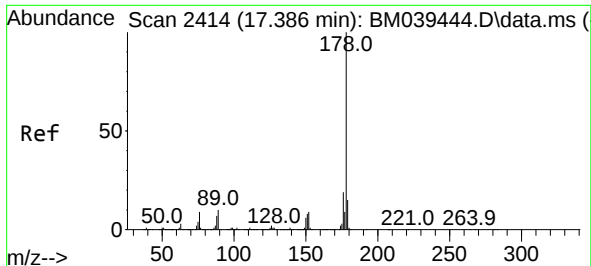
Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

179 15.3 12.5 18.7

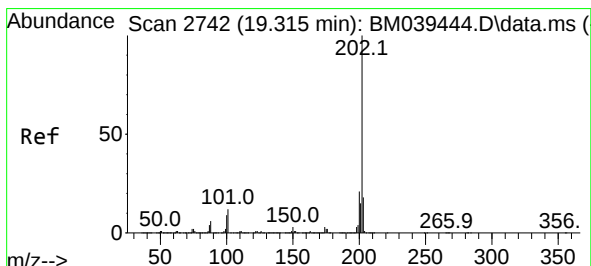
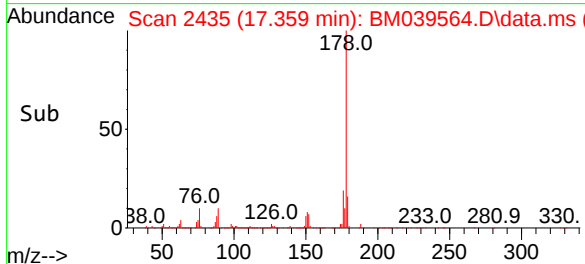
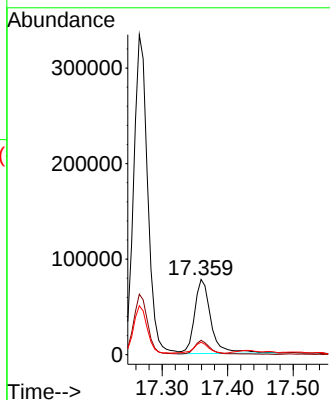
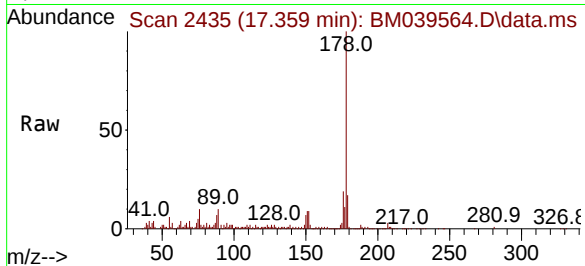




#72
 Anthracene
 Concen: 2.937 ng
 RT: 17.359 min Scan# 2414
 Delta R.T. -0.006 min
 Lab File: BM039564.D
 Acq: 21 Apr 2023 22:52

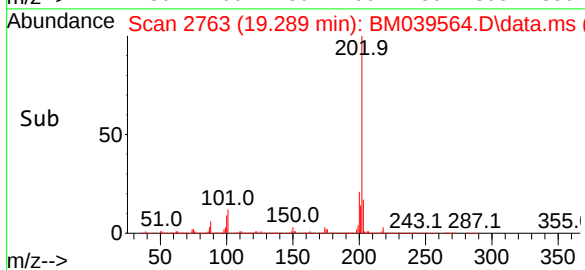
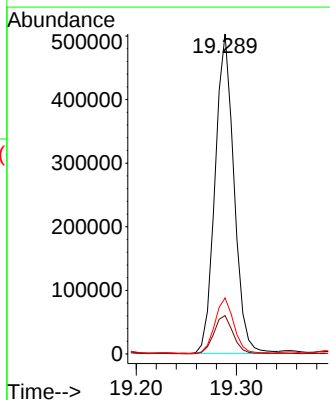
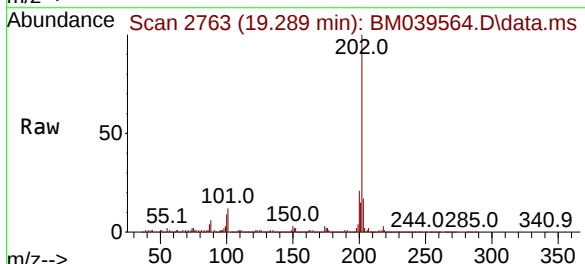
Instrument :
 BNA_M
 ClientSampleId :
 NATIONAL-GRID-COMP

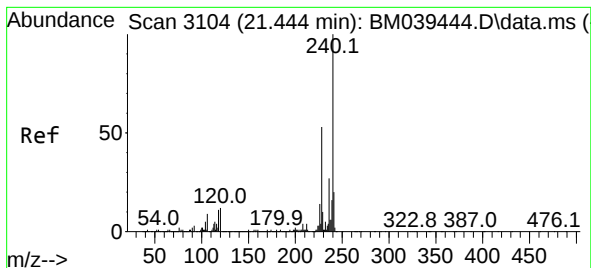
Tgt Ion:178 Resp: 135927
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.2 22.8
 179 16.6 12.2 18.4



#75
 Fluoranthene
 Concen: 12.038 ng
 RT: 19.289 min Scan# 2763
 Delta R.T. -0.006 min
 Lab File: BM039564.D
 Acq: 21 Apr 2023 22:52

Tgt Ion:202 Resp: 658942
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 32.1
 203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.418 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

Instrument :

BNA_M

ClientSampleId :

NATIONAL-GRID-COMP

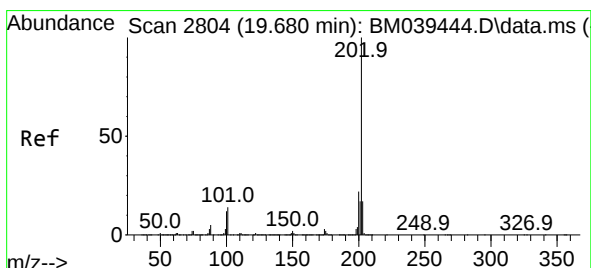
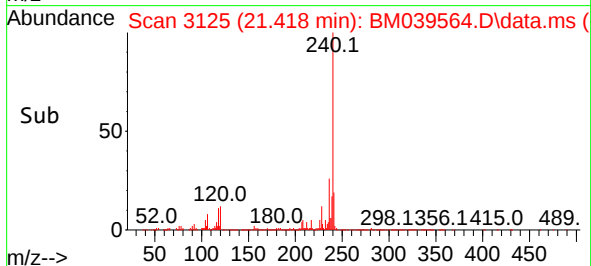
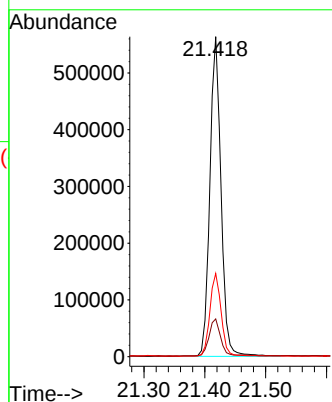
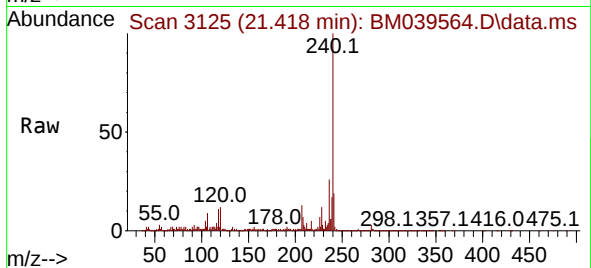
Tgt Ion:240 Resp: 718476

Ion Ratio Lower Upper

240 100

120 11.8 9.4 14.2

236 26.0 21.2 31.8



#78

Pyrene

Concen: 14.582 ng

RT: 19.653 min Scan# 2825

Delta R.T. -0.006 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

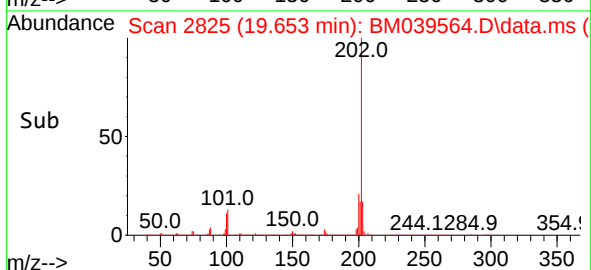
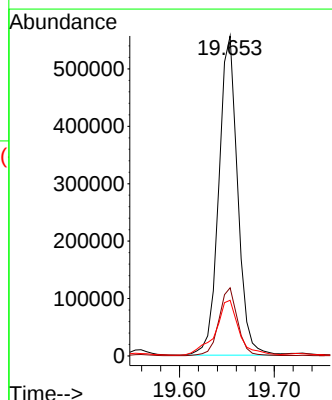
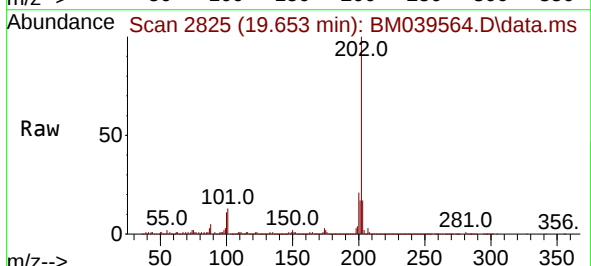
Tgt Ion:202 Resp: 770488

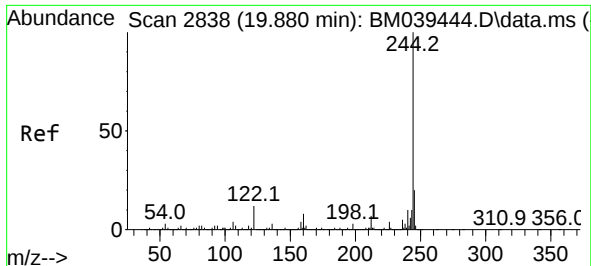
Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 17.4 13.9 20.9

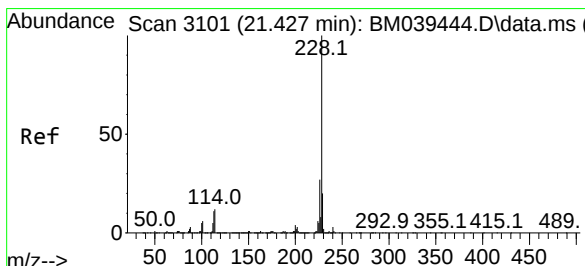
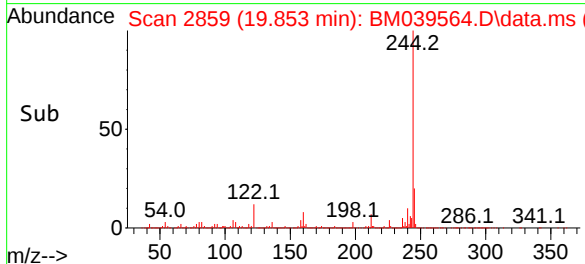
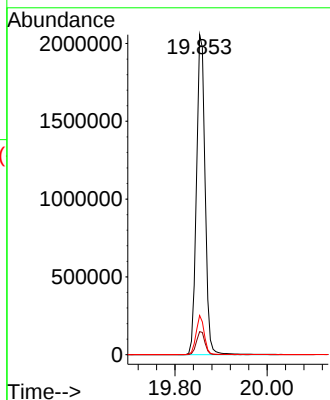
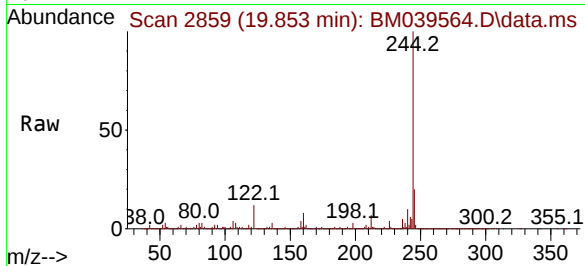




#79
 Terphenyl-d14
 Concen: 66.714 ng
 RT: 19.853 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM039564.D
 Acq: 21 Apr 2023 22:52

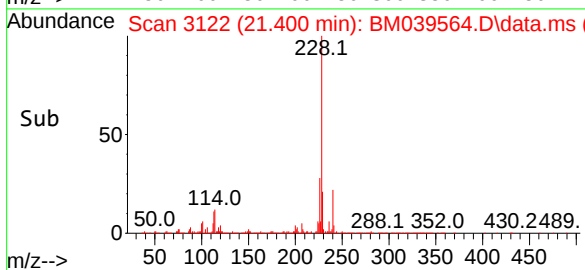
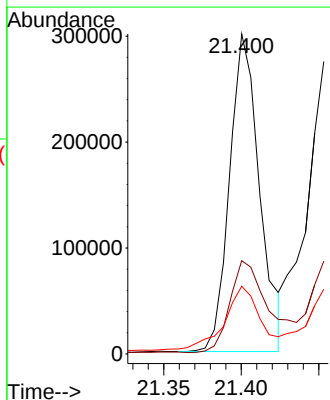
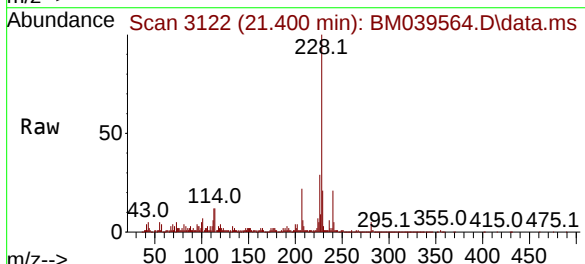
Instrument :
 BNA_M
 ClientSampleId :
 NATIONAL-GRID-COMP

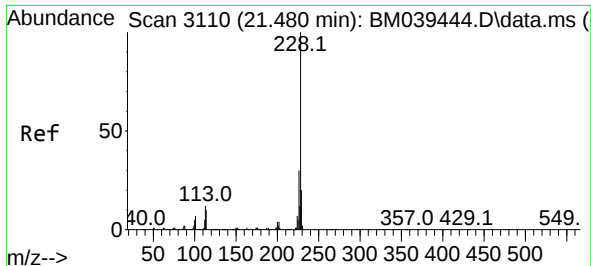
Tgt Ion:244 Resp: 2656957
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 12.3 9.5 14.3



#81
 Benzo(a)anthracene
 Concen: 7.925 ng
 RT: 21.400 min Scan# 3122
 Delta R.T. -0.012 min
 Lab File: BM039564.D
 Acq: 21 Apr 2023 22:52

Tgt Ion:228 Resp: 404365
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.8 32.8
 229 21.2 15.9 23.9





#83

Chrysene

Concen: 8.204 ng

RT: 21.453 min Scan# 3110

Delta R.T. -0.012 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

Instrument :

BNA_M

ClientSampleId :

NATIONAL-GRID-COMP

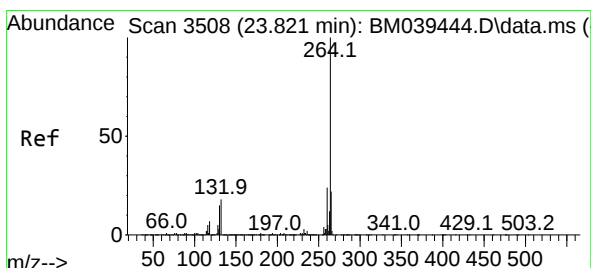
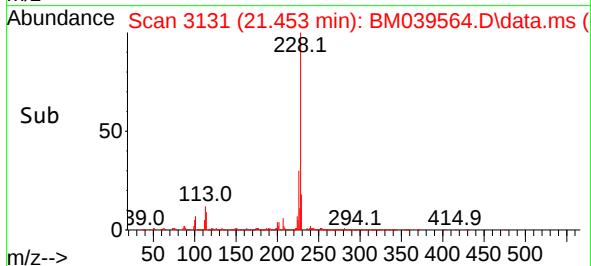
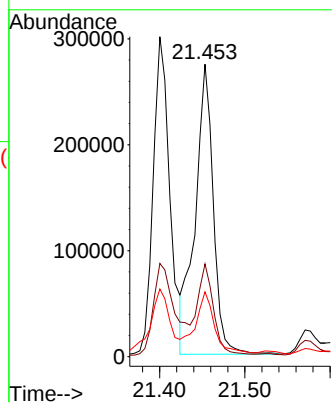
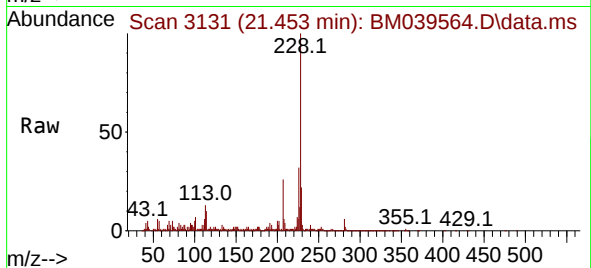
Tgt Ion:228 Resp: 405724

Ion Ratio Lower Upper

228 100

226 31.7 24.0 36.0

229 22.2 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.777 min Scan# 3526

Delta R.T. -0.012 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

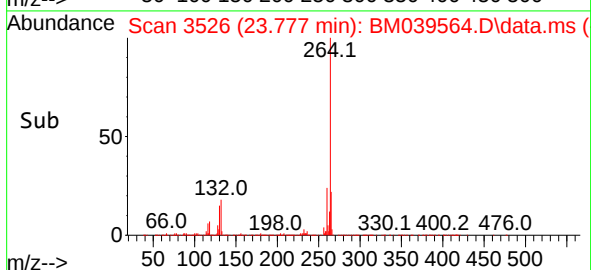
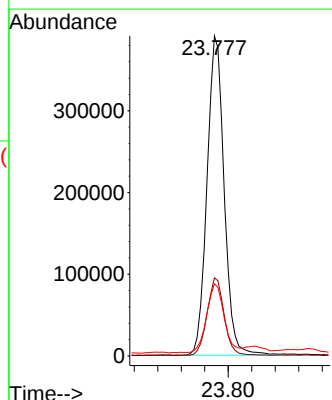
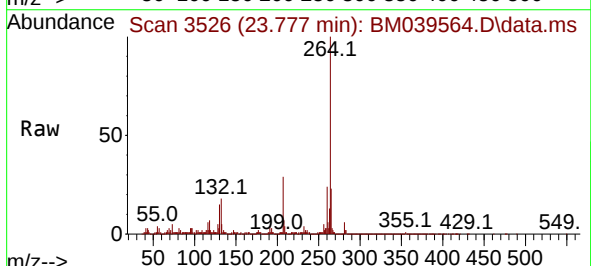
Tgt Ion:264 Resp: 791477

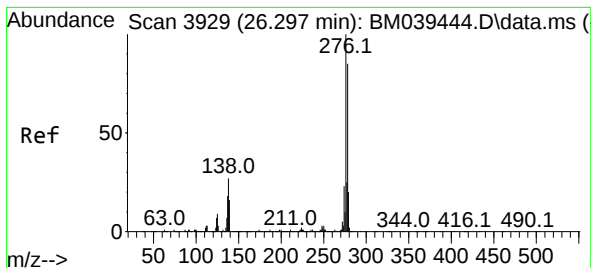
Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 22.5 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.486 ng

RT: 26.218 min Scan# 3941

Delta R.T. -0.018 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

Instrument :

BNA_M

ClientSampleId :

NATIONAL-GRID-COMP

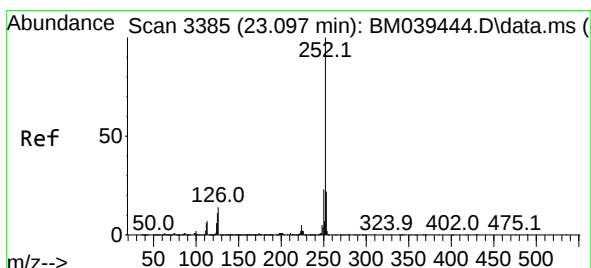
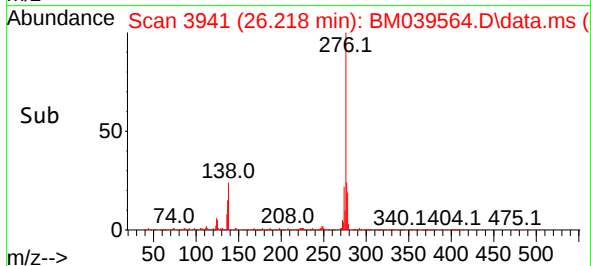
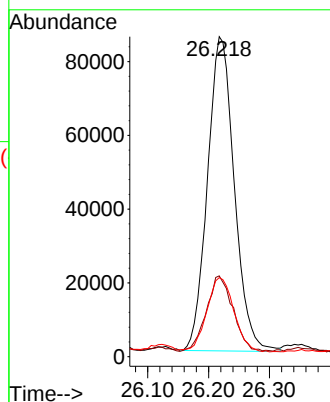
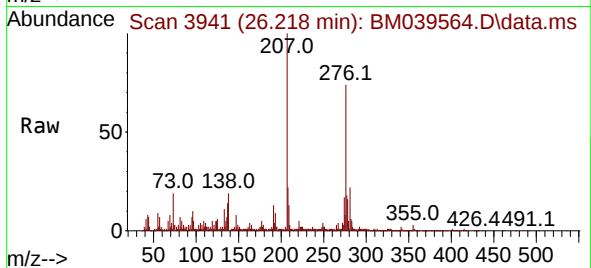
Tgt Ion:276 Resp: 260921

Ion Ratio Lower Upper

276 100

138 23.9 21.4 32.0

277 24.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 14.028 ng

RT: 23.059 min Scan# 3404

Delta R.T. -0.012 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

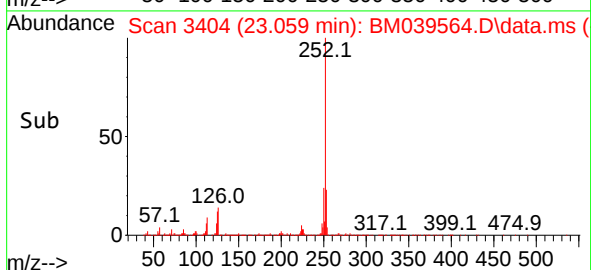
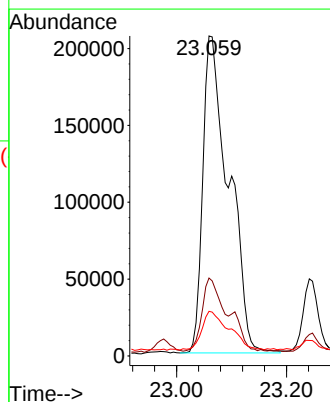
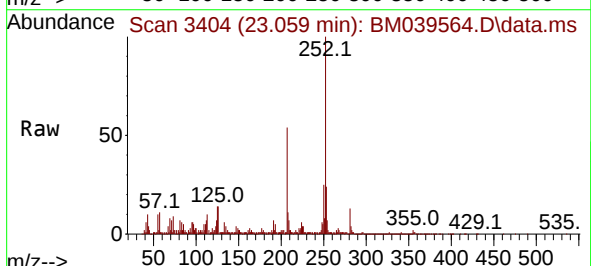
Tgt Ion:252 Resp: 676953

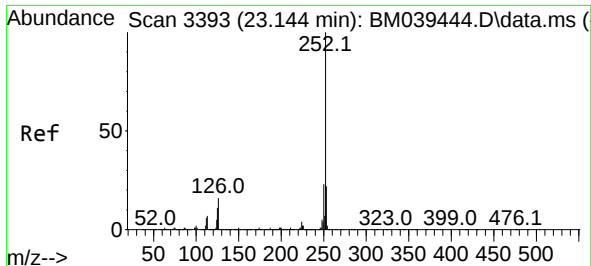
Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

125 14.0 8.9 13.3#

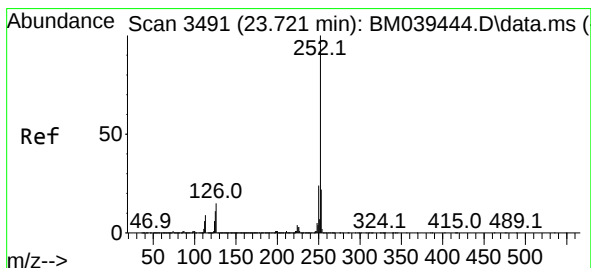
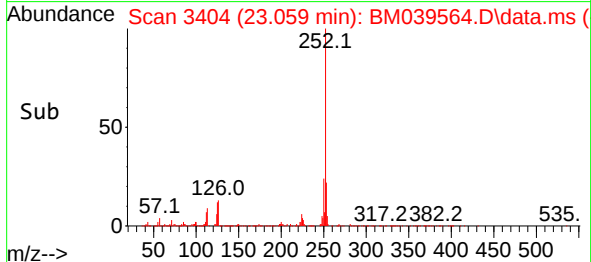
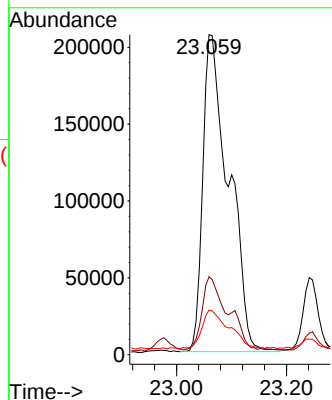
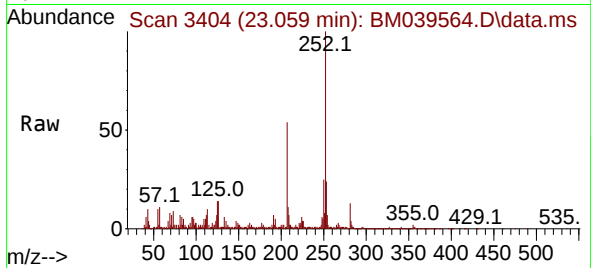




#89
Benzo(k)fluoranthene
Concen: 13.418 ng
RT: 23.059 min Scan# 34
Delta R.T. -0.059 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

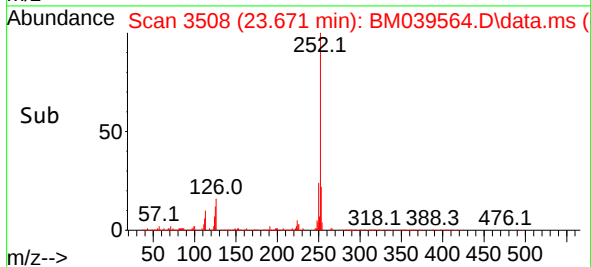
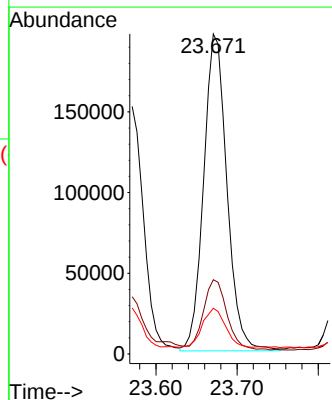
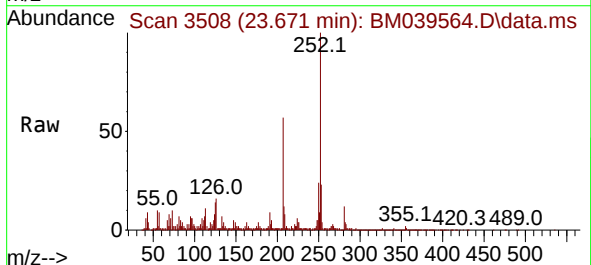
Instrument :
BNA_M
ClientSampleId :
NATIONAL-GRID-COMP

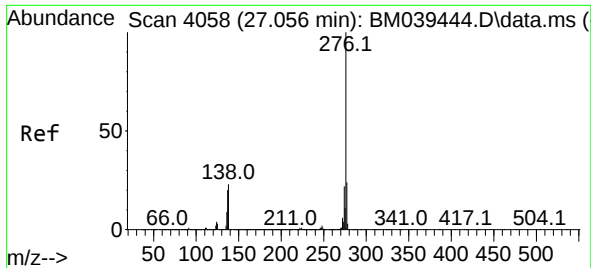
Tgt Ion:252 Resp: 676953
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 14.0 8.8 13.2#



#90
Benzo(a)pyrene
Concen: 8.162 ng
RT: 23.671 min Scan# 3508
Delta R.T. -0.012 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

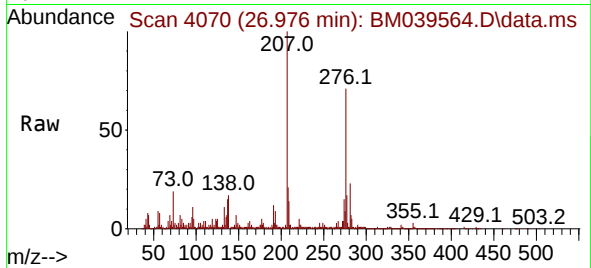
Tgt Ion:252 Resp: 391454
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 14.3 9.0 13.6#





#92
Benzo(g,h,i)perylene
Concen: 5.849 ng
RT: 26.976 min Scan# 40
Delta R.T. -0.012 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

Instrument :
BNA_M
ClientSampleId :
NATIONAL-GRID-COMP



Tgt Ion:276 Resp: 280262
Ion Ratio Lower Upper
276 100
277 24.0 19.1 28.7
138 23.6 18.8 28.2

