

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042571.D
 Acq On : 03 Nov 2023 15:35
 Operator : MA/JU
 Sample : 05171-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-103123

Quant Time: Nov 03 16:13:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

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

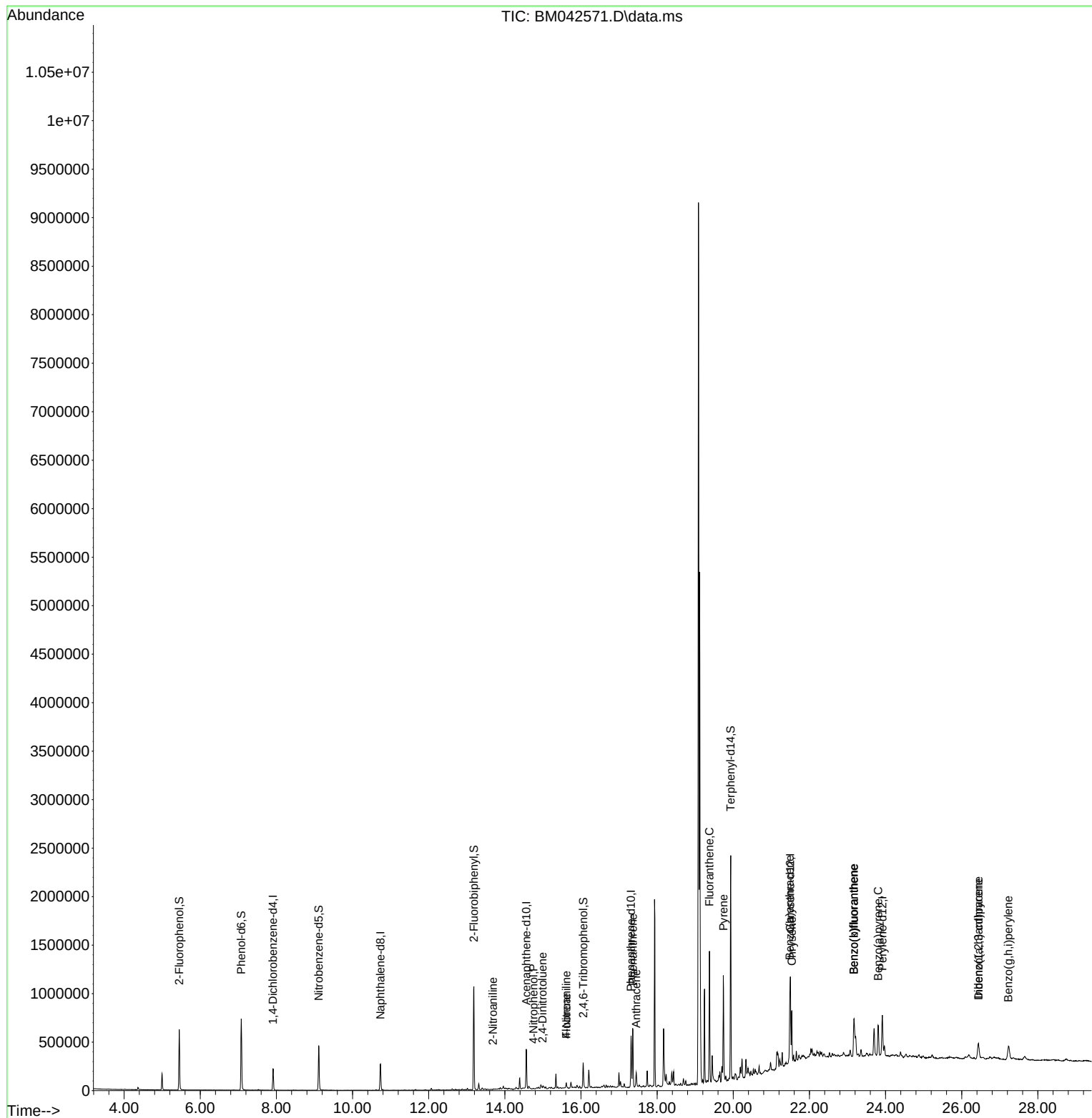
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	52552	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	199040	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	124122	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	280418	20.000	ng	0.00
76) Chrysene-d12	21.497	240	303600	20.000	ng	0.00
86) Perylene-d12	23.915	264	319782	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	227109	69.745	ng	0.00
7) Phenol-d6	7.075	99	354507	79.382	ng	0.00
23) Nitrobenzene-d5	9.110	82	244818	57.338	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	39209	24.195	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	494429	53.601	ng	0.00
79) Terphenyl-d14	19.933	244	964597	53.873	ng	0.00
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.686	65	135	4.394	ng	# 13
56) 4-Nitrophenol	14.751	139	148	7.031	ng	# 71
57) 2,4-Dinitrotoluene	14.986	165	53	3.988	ng	# 5
58) Fluorene	15.615	166	23211	2.522	ng	97
62) 4-Nitroaniline	15.615	138	207	5.834	ng	# 12
71) Phenanthrene	17.362	178	334992	22.859	ng	99
72) Anthracene	17.451	178	87475	6.027	ng	98
75) Fluoranthene	19.374	202	725522	42.147	ng	99
78) Pyrene	19.739	202	617803	29.635	ng	99
81) Benzo(a)anthracene	21.480	228	300362	15.549	ng	98
83) Chrysene	21.539	228	299815	15.280	ng	96
87) Indeno(1,2,3-cd)pyrene	26.438	276	159976	8.405	ng	# 92
88) Benzo(b)fluoranthene	23.168	252	372004	20.881	ng	98
89) Benzo(k)fluoranthene	23.168	252	372004	18.739	ng	98
90) Benzo(a)pyrene	23.803	252	240334	13.702	ng	97
91) Dibenzo(a,h)anthracene	26.444	278	38031	6.116	ng	# 77
92) Benzo(g,h,i)perylene	27.226	276	169494	10.104	ng	# 95

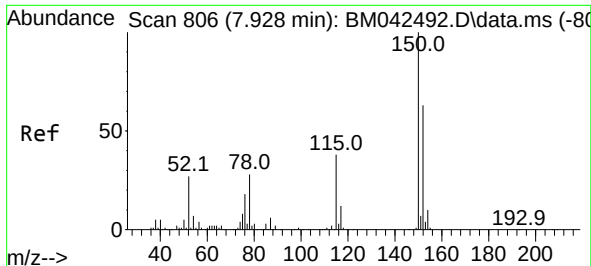
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
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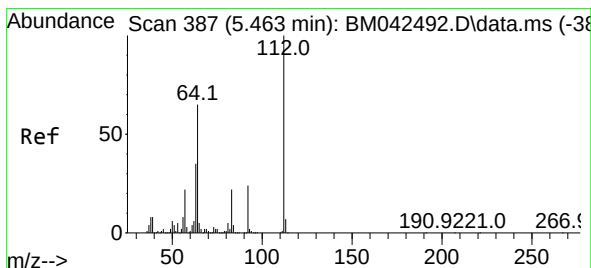
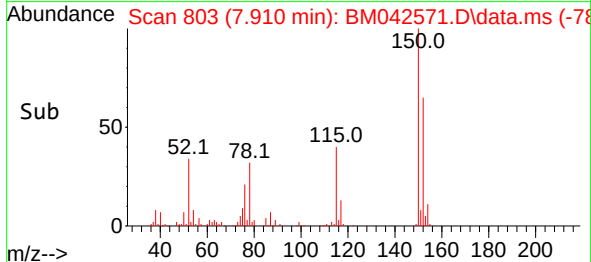
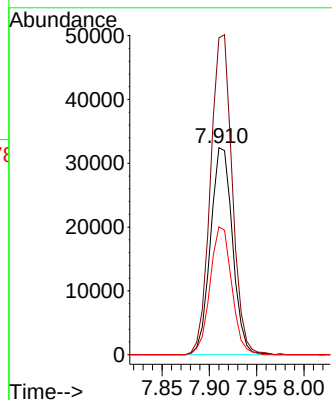
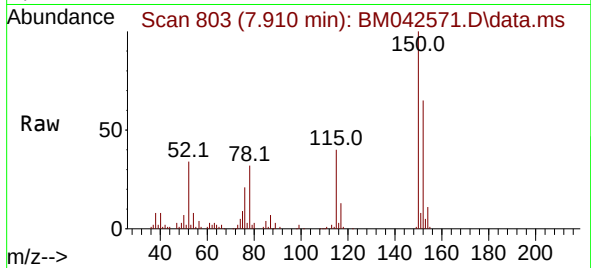




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

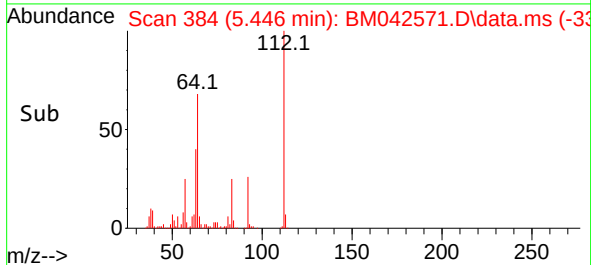
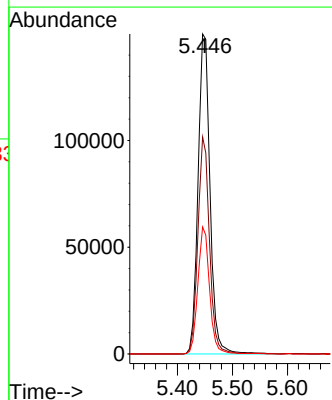
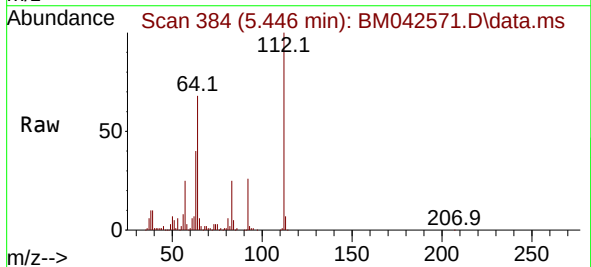
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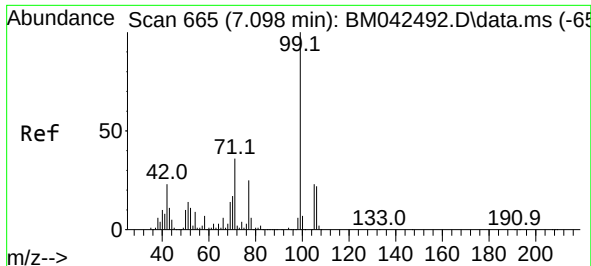
Tgt Ion:152 Resp: 52552
Ion Ratio Lower Upper
152 100
150 153.0 127.4 191.0
115 61.7 47.9 71.9



#5
2-Fluorophenol
Concen: 69.745 ng
RT: 5.446 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:112 Resp: 227109
Ion Ratio Lower Upper
112 100
64 67.8 52.1 78.1
63 39.7 28.3 42.5

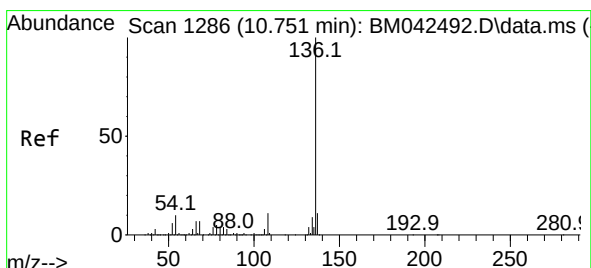
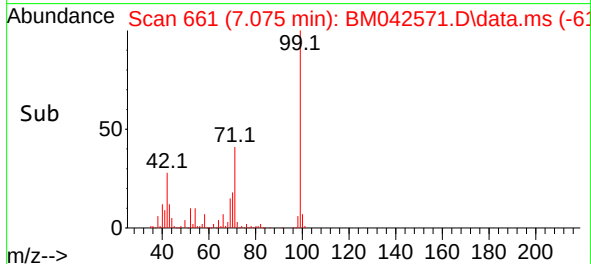
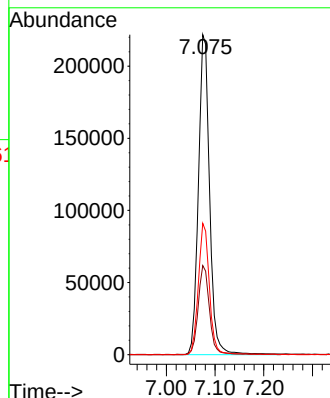
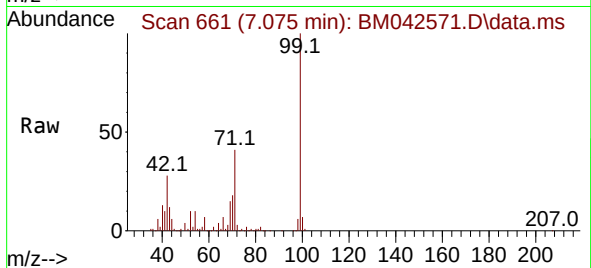




#7
Phenol-d6
Concen: 79.382 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

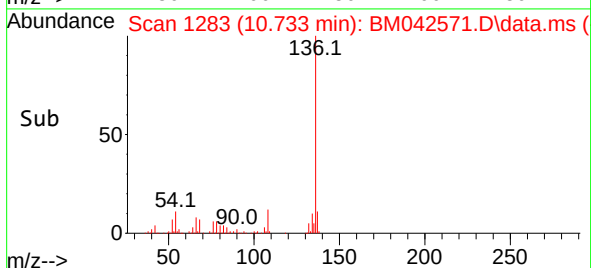
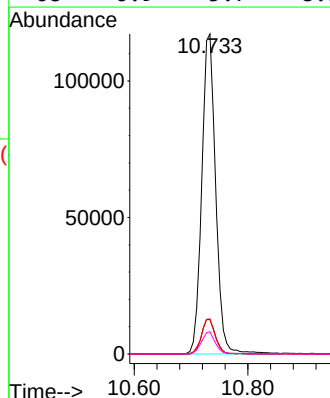
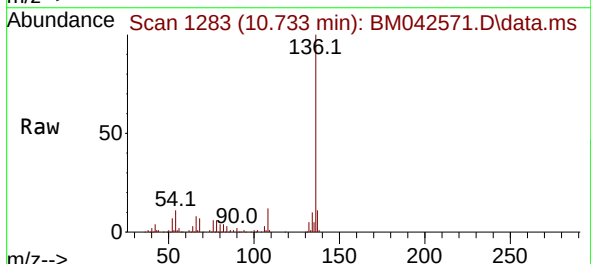
Instrument :
BNA_M
ClientSampleId :
TR-05-103123

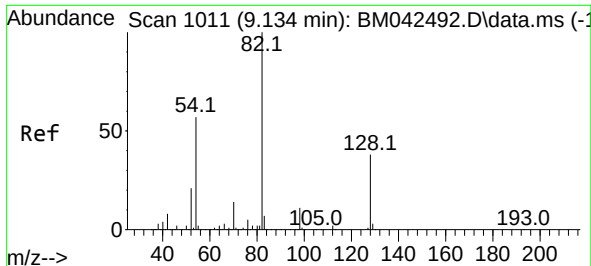
Tgt Ion: 99 Resp: 354507
Ion Ratio Lower Upper
99 100
42 27.9 18.7 28.1
71 41.1 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1283
Delta R.T. 0.005 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:136 Resp: 199040
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 11.0 8.0 12.0
68 6.9 5.7 8.5

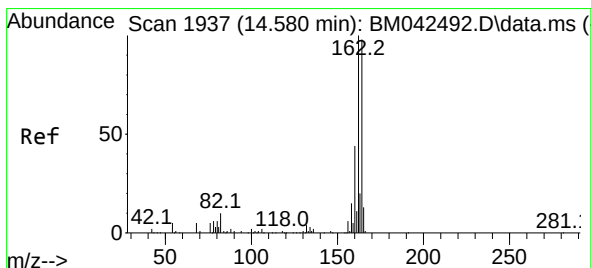
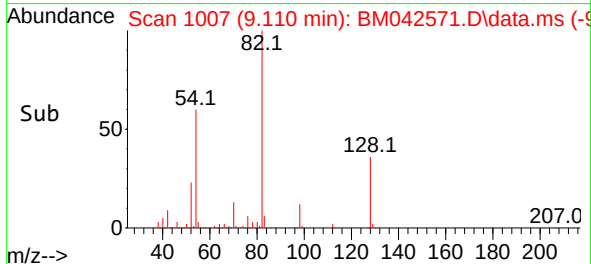
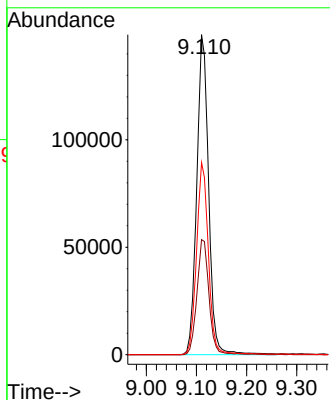
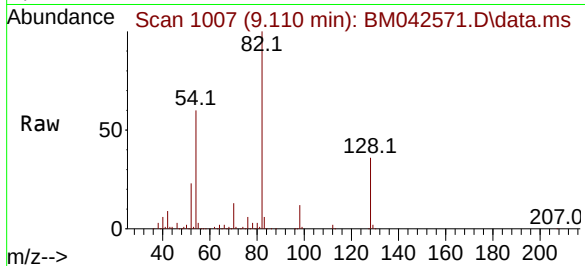




#23
Nitrobenzene-d5
Concen: 57.338 ng
RT: 9.110 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

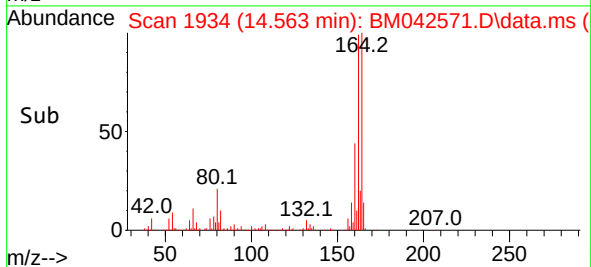
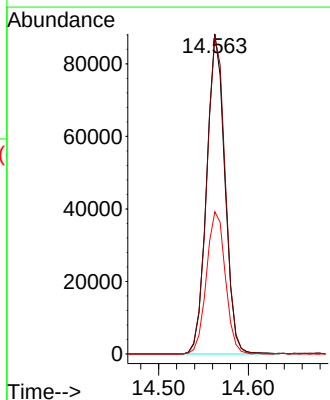
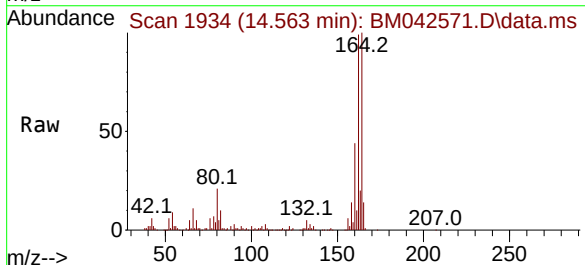
Instrument :
BNA_M
ClientSampleId :
TR-05-103123

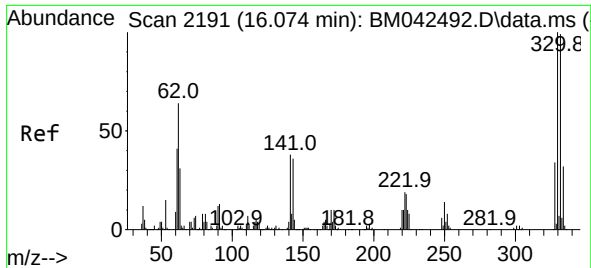
Tgt Ion: 82 Resp: 244818
Ion Ratio Lower Upper
82 100
128 36.0 30.7 46.1
54 60.0 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:164 Resp: 124122
Ion Ratio Lower Upper
164 100
162 99.1 81.6 122.4
160 44.5 36.2 54.4

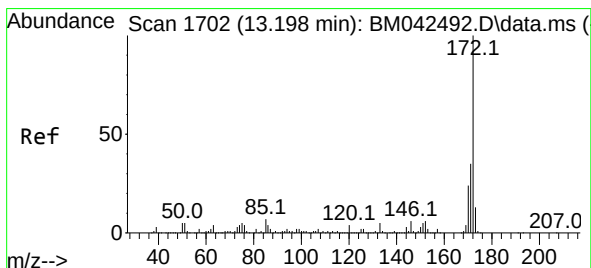
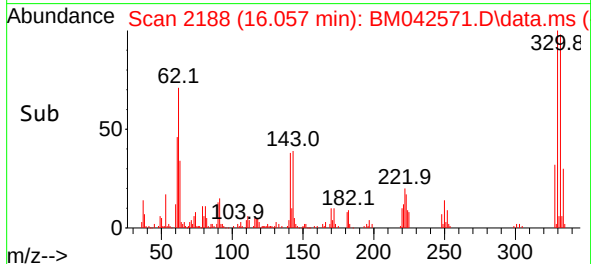
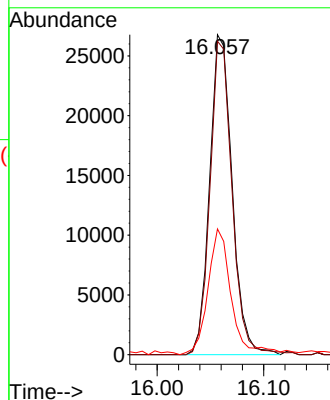
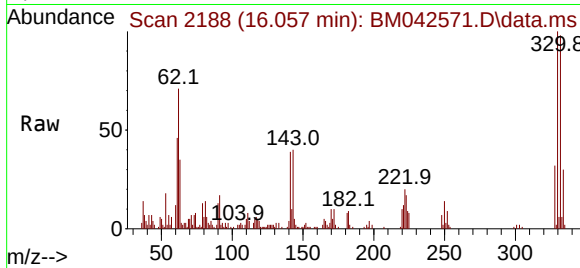




#42
 2,4,6-Tribromophenol
 Concen: 24.195 ng
 RT: 16.057 min Scan# 2191
 Delta R.T. -0.006 min
 Lab File: BM042571.D
 Acq: 03 Nov 2023 15:35

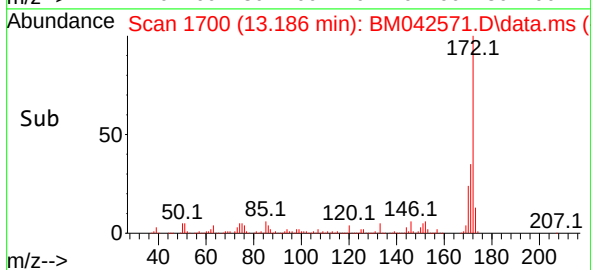
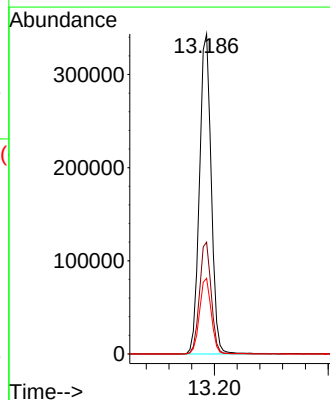
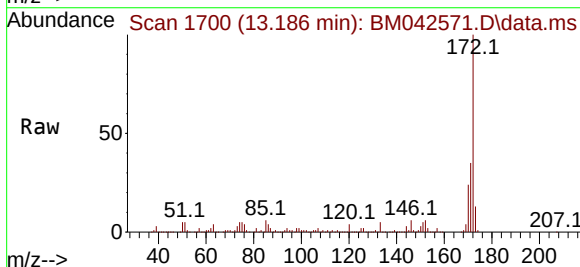
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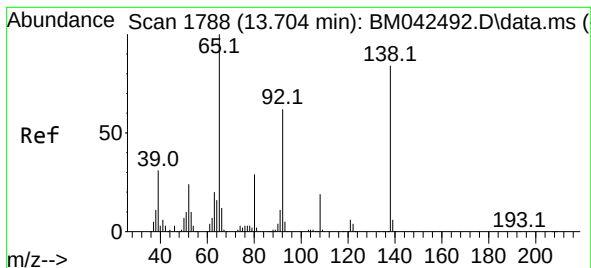
Tgt Ion:330 Resp: 39209
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.8 118.2
 141 41.3 31.1 46.7



#45
 2-Fluorobiphenyl
 Concen: 53.601 ng
 RT: 13.186 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: BM042571.D
 Acq: 03 Nov 2023 15:35

Tgt Ion:172 Resp: 494429
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.2 42.2
 170 23.6 19.0 28.4





#48

2-Nitroaniline

Concen: 4.394 ng

RT: 13.686 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

TR-05-103123

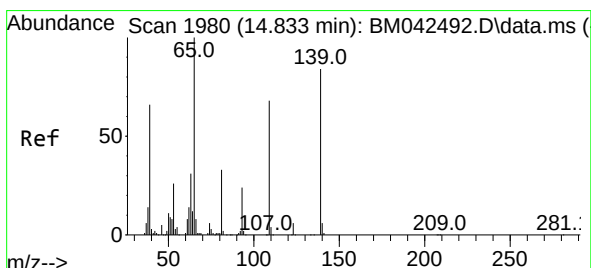
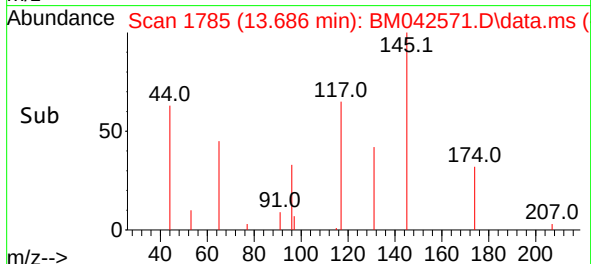
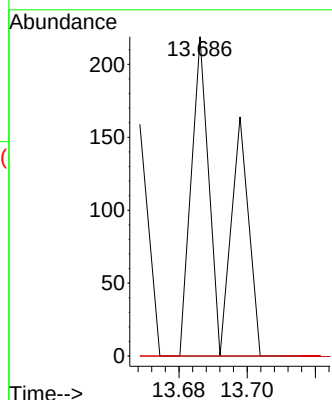
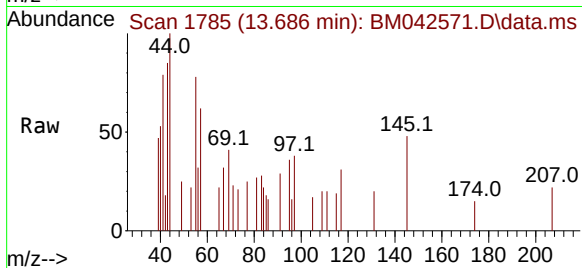
Tgt Ion: 65 Resp: 135

Ion Ratio Lower Upper

65 100

92 0.0 49.4 74.2#

138 0.0 66.9 100.3#



#56

4-Nitrophenol

Concen: 7.031 ng

RT: 14.751 min Scan# 1966

Delta R.T. -0.071 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

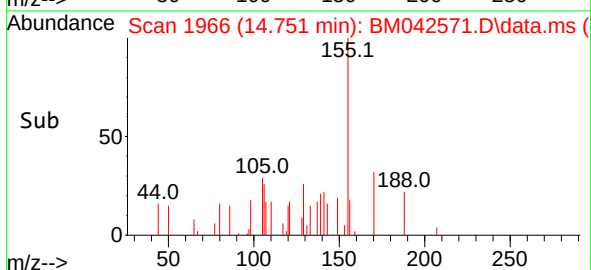
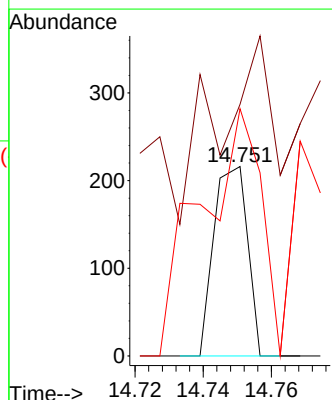
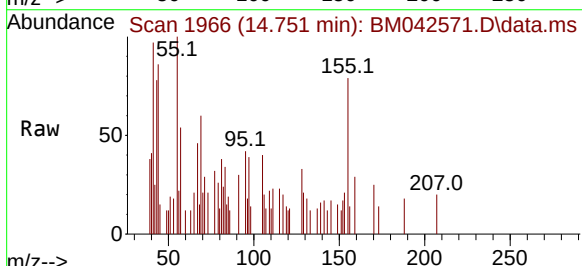
Tgt Ion: 139 Resp: 148

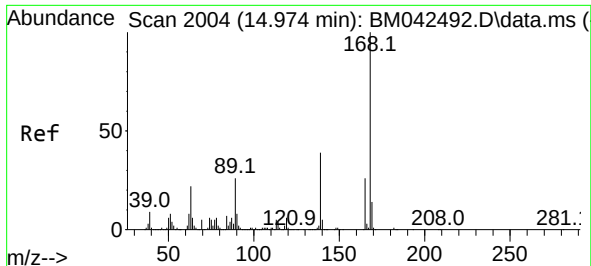
Ion Ratio Lower Upper

139 100

109 132.9 61.3 101.3#

65 130.6 100.2 140.2

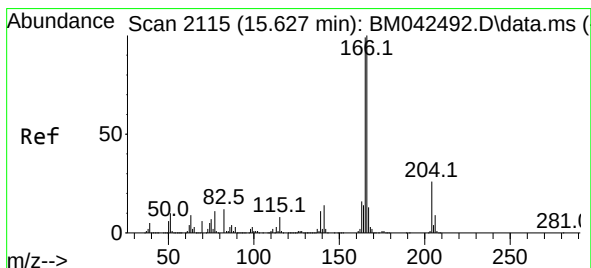
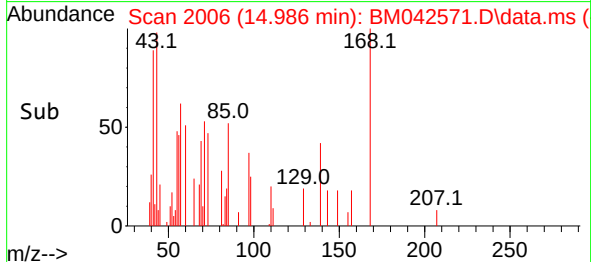
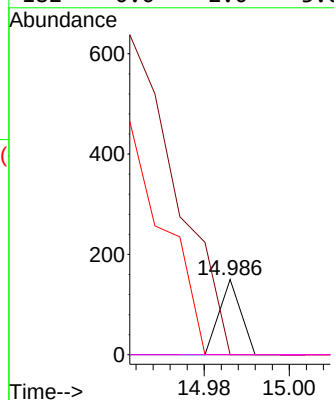
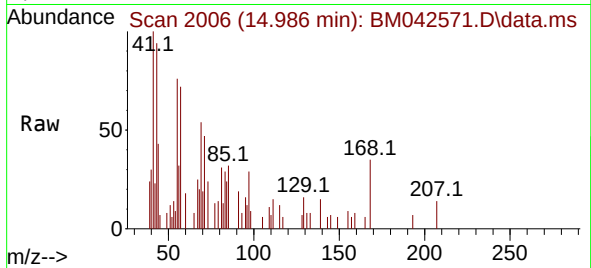




#57
2,4-Dinitrotoluene
Concen: 3.988 ng
RT: 14.986 min Scan# 20
Delta R.T. 0.023 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

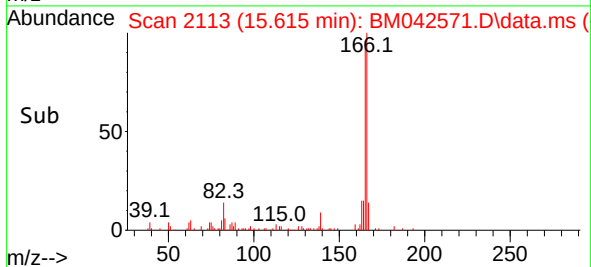
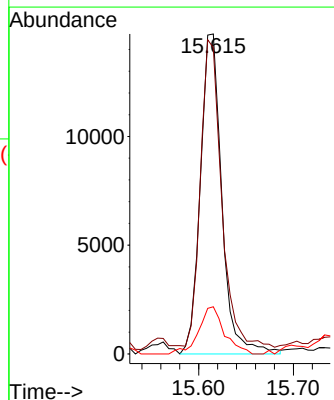
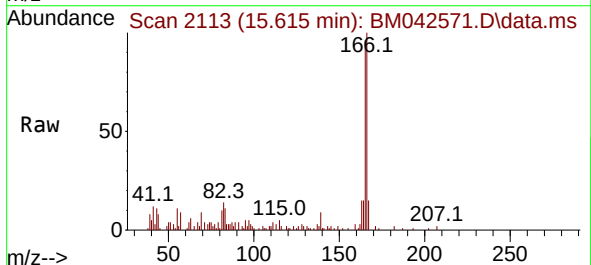
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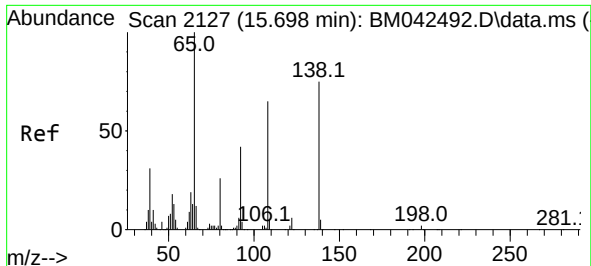
Tgt Ion:165 Resp: 53
Ion Ratio Lower Upper
165 100
63 0.0 66.7 100.1#
89 0.0 80.2 120.4#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 2.522 ng
RT: 15.615 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:166 Resp: 23211
Ion Ratio Lower Upper
166 100
165 95.7 79.3 118.9
167 14.7 10.5 15.7

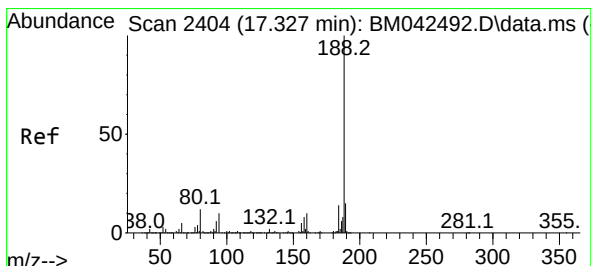
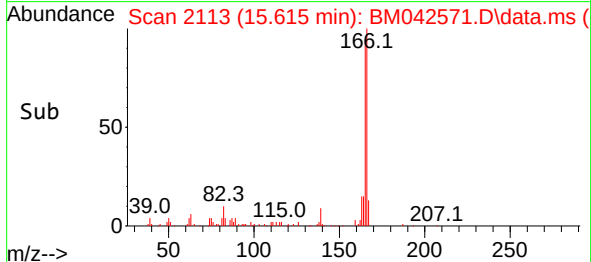
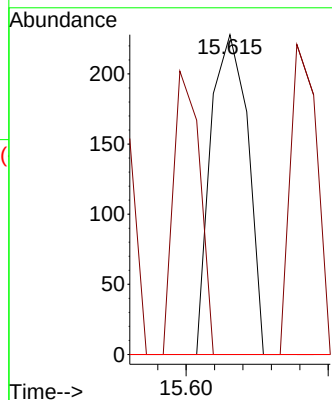
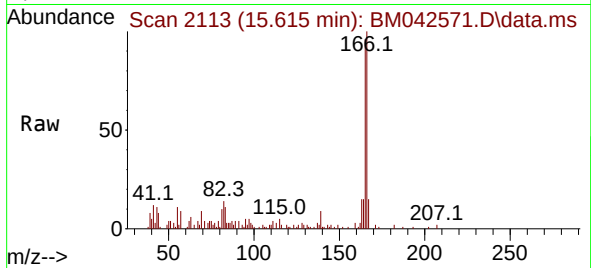




#62
4-Nitroaniline
Concen: 5.834 ng
RT: 15.615 min Scan# 2113
Delta R.T. -0.071 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

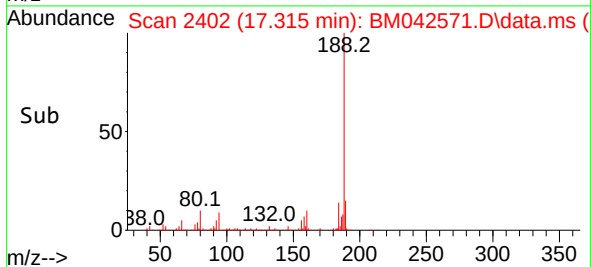
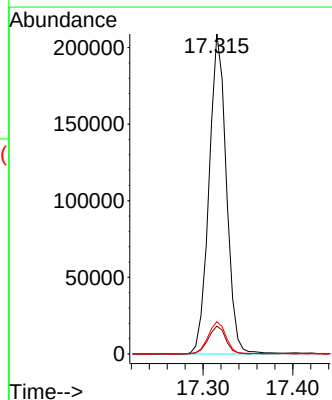
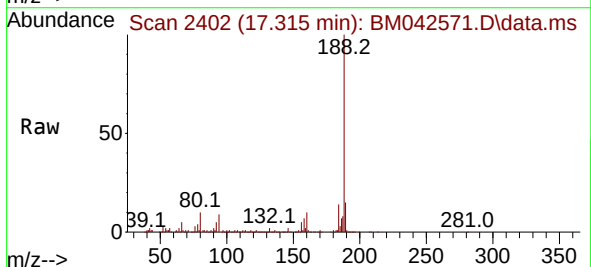
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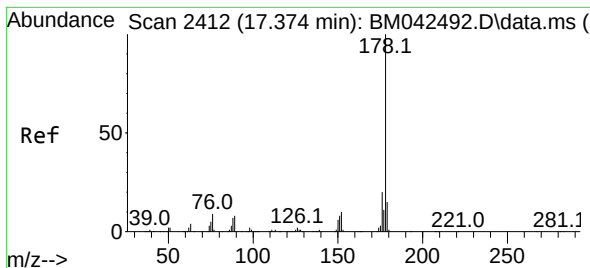
Tgt Ion:138 Resp: 207
Ion Ratio Lower Upper
138 100
92 0.0 37.0 77.0#
108 0.0 67.2 107.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:188 Resp: 280418
Ion Ratio Lower Upper
188 100
94 8.7 8.2 12.4
80 10.1 9.4 14.2





#71

Phenanthrene

Concen: 22.859 ng

RT: 17.362 min Scan# 2412

Delta R.T. -0.000 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

TR-05-103123

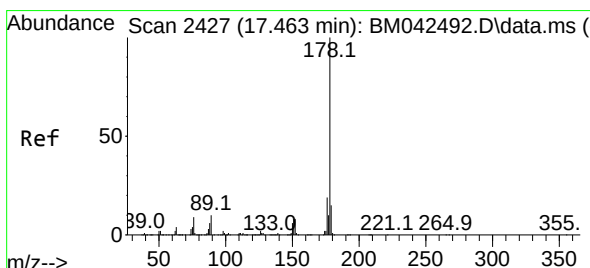
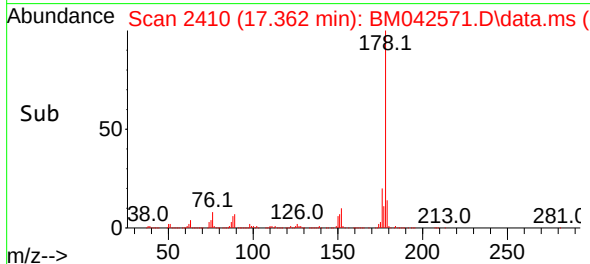
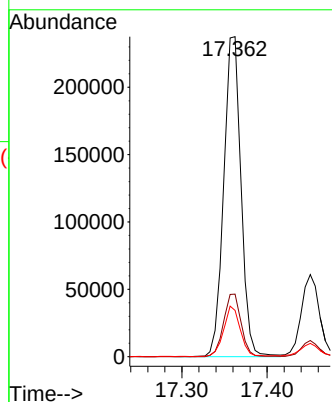
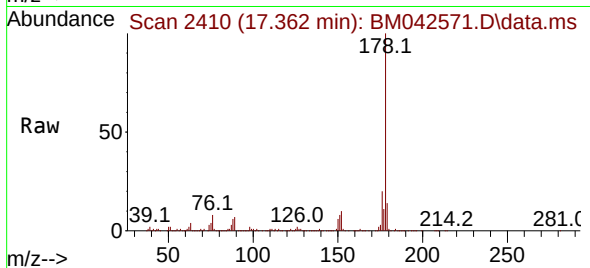
Tgt Ion:178 Resp: 334992

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

179 14.5 12.2 18.4



#72

Anthracene

Concen: 6.027 ng

RT: 17.451 min Scan# 2425

Delta R.T. -0.000 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

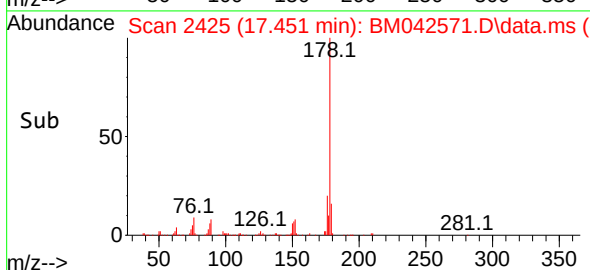
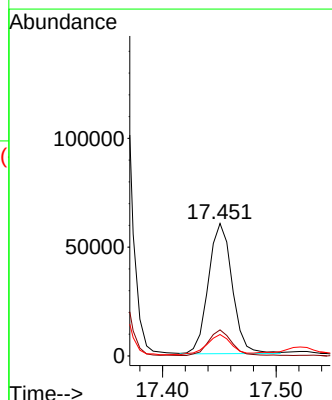
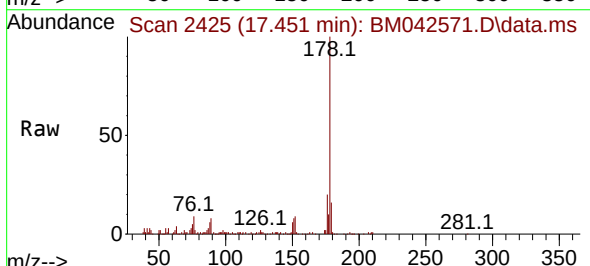
Tgt Ion:178 Resp: 87475

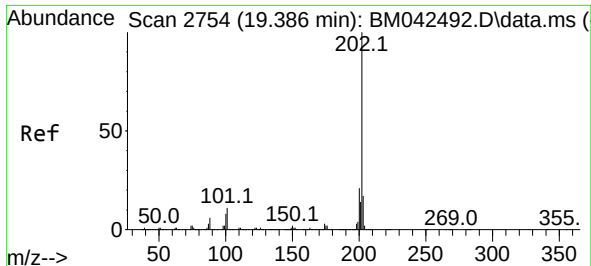
Ion Ratio Lower Upper

178 100

176 19.7 15.2 22.8

179 16.1 12.3 18.5

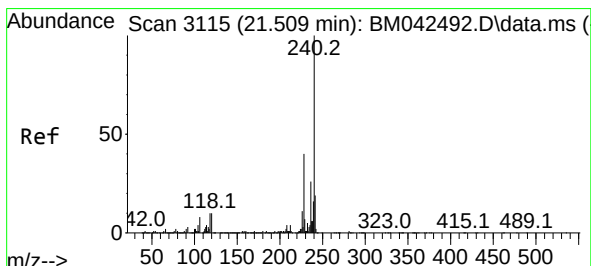
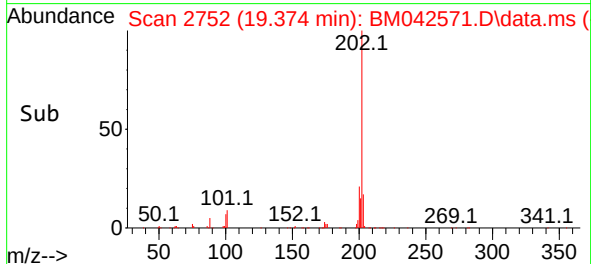
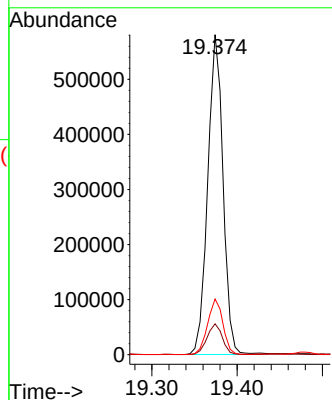
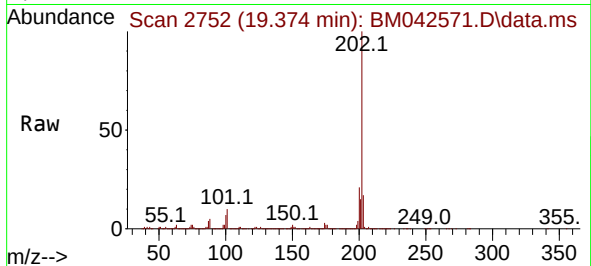




#75
Fluoranthene
Concen: 42.147 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

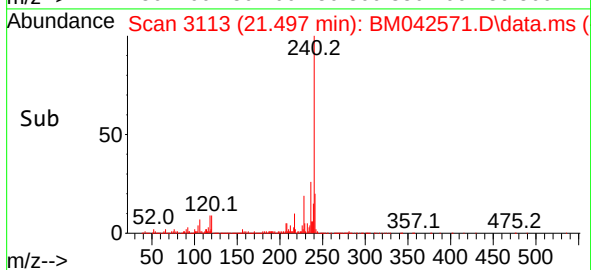
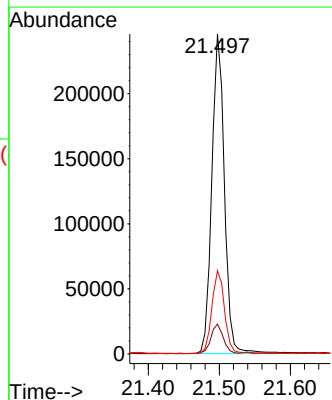
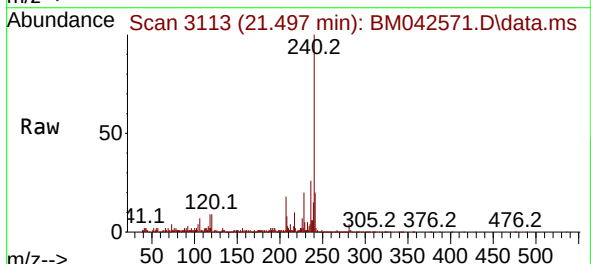
Instrument :
BNA_M
ClientSampleId :
TR-05-103123

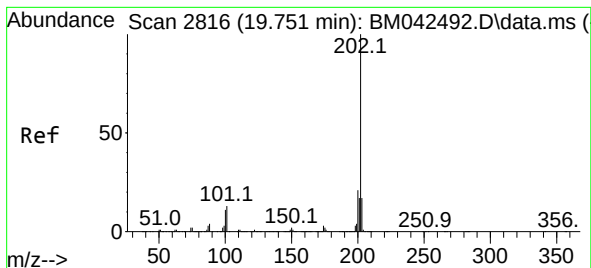
Tgt Ion:202 Resp: 725522
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.5
203 17.4 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.497 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:240 Resp: 303600
Ion Ratio Lower Upper
240 100
120 9.3 8.3 12.5
236 26.0 20.8 31.2





#78

Pyrene

Concen: 29.635 ng

RT: 19.739 min Scan# 2814

Delta R.T. -0.000 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

TR-05-103123

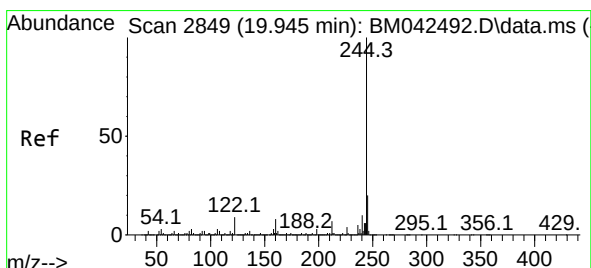
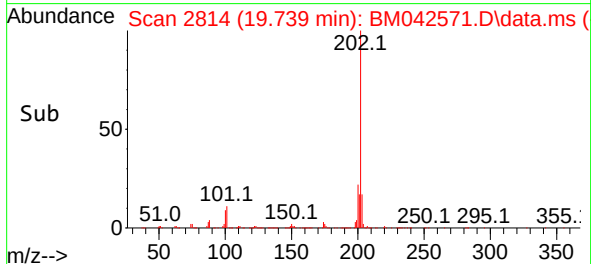
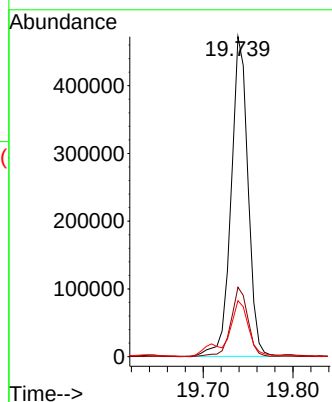
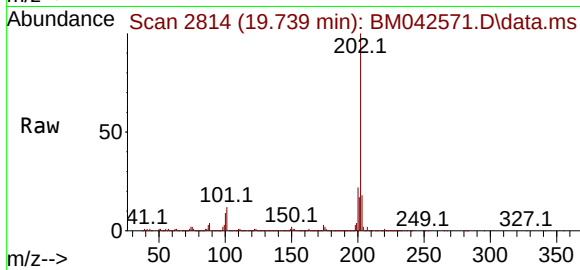
Tgt Ion:202 Resp: 617803

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 17.5 13.7 20.5



#79

Terphenyl-d14

Concen: 53.873 ng

RT: 19.933 min Scan# 2847

Delta R.T. -0.000 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

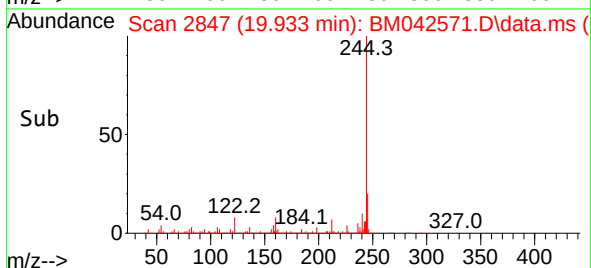
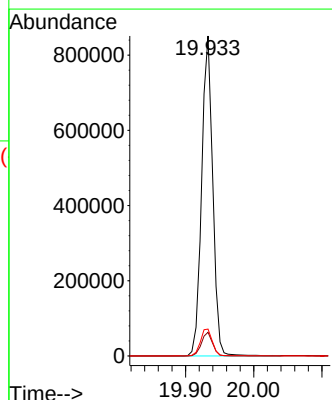
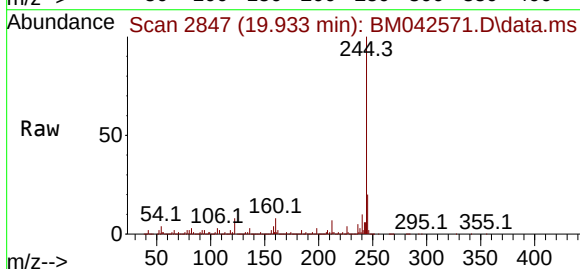
Tgt Ion:244 Resp: 964597

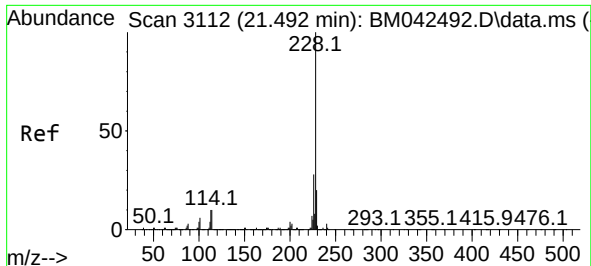
Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.2

122 8.4 7.2 10.8

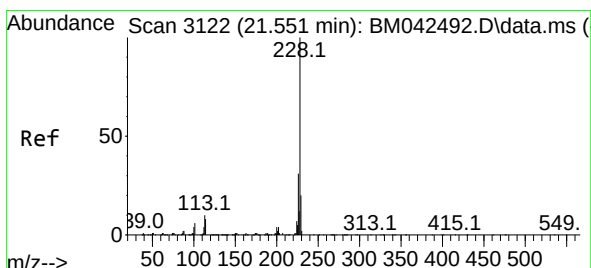
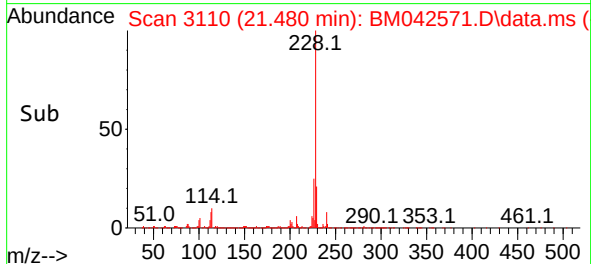
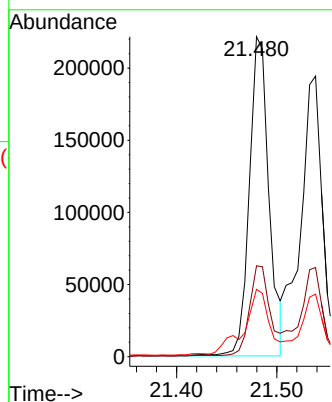
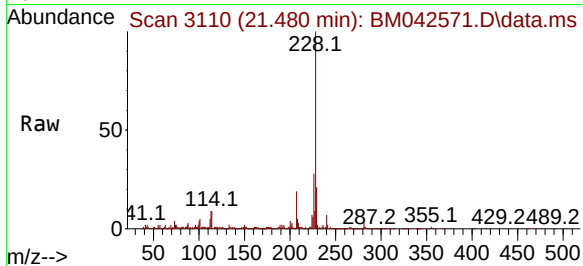




#81
Benzo(a)anthracene
Concen: 15.549 ng
RT: 21.480 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

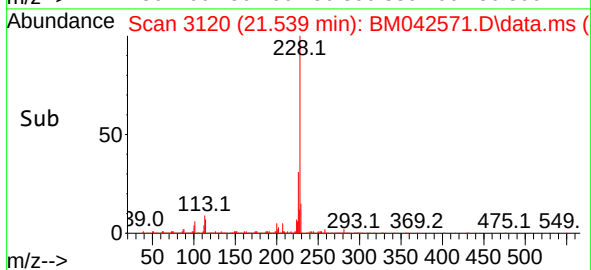
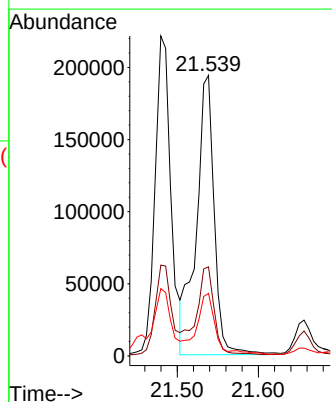
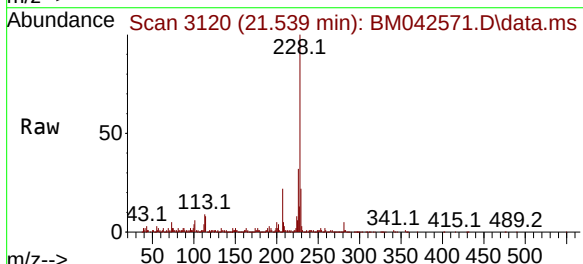
Instrument :
BNA_M
ClientSampleId :
TR-05-103123

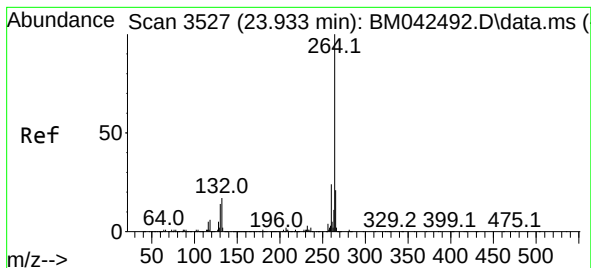
Tgt Ion:228 Resp: 300362
Ion Ratio Lower Upper
228 100
226 28.4 22.3 33.5
229 21.1 15.8 23.8



#83
Chrysene
Concen: 15.280 ng
RT: 21.539 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:228 Resp: 299815
Ion Ratio Lower Upper
228 100
226 31.8 24.4 36.6
229 22.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.915 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

TR-05-103123

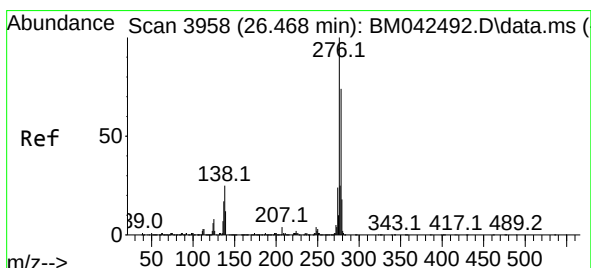
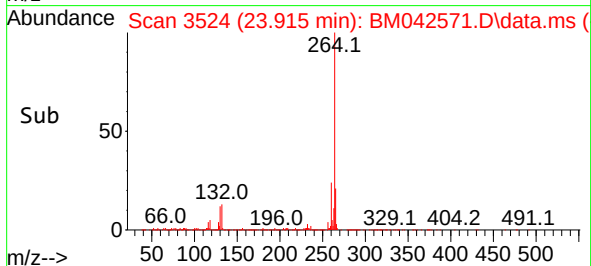
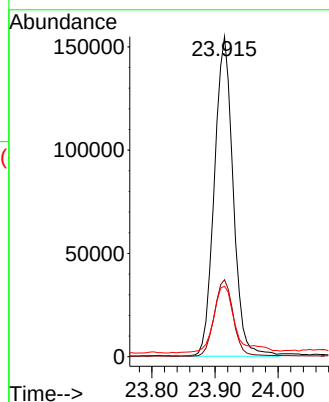
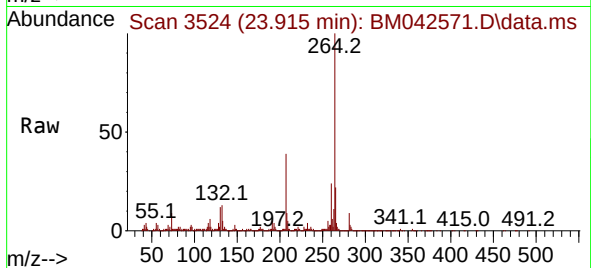
Tgt Ion:264 Resp: 319782

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 22.0 18.7 28.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.405 ng

RT: 26.438 min Scan# 3953

Delta R.T. -0.012 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

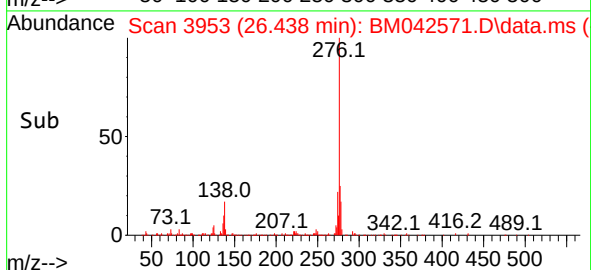
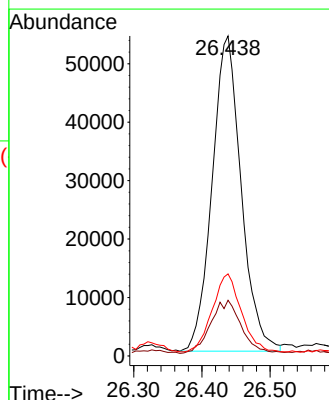
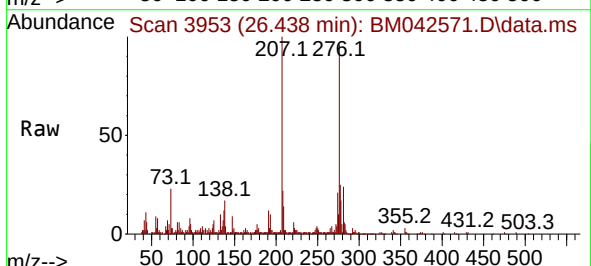
Tgt Ion:276 Resp: 159976

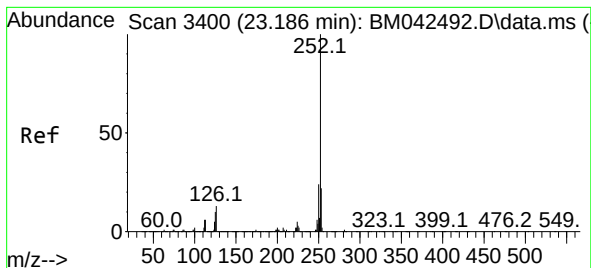
Ion Ratio Lower Upper

276 100

138 17.7 20.6 31.0#

277 24.6 19.5 29.3





#88

Benzo(b)fluoranthene

Concen: 20.881 ng

RT: 23.168 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

TR-05-103123

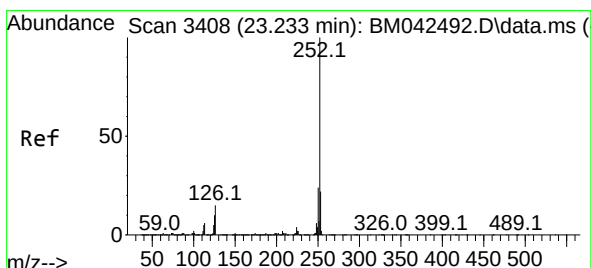
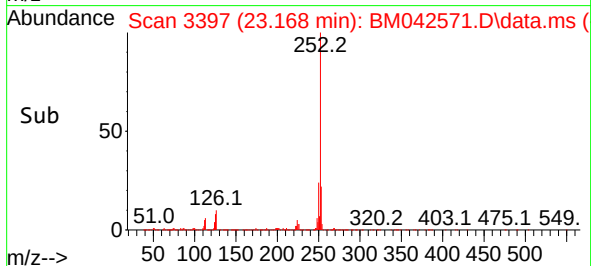
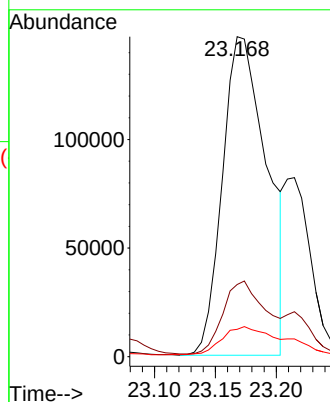
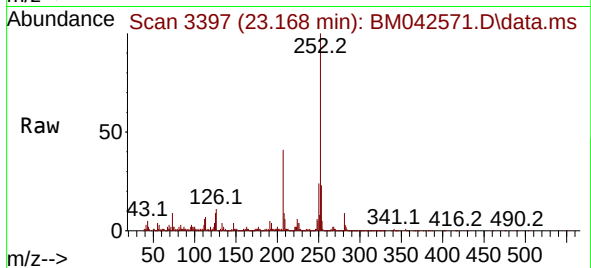
Tgt Ion:252 Resp: 372004

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 8.6 7.8 11.6



#89

Benzo(k)fluoranthene

Concen: 18.739 ng

RT: 23.168 min Scan# 3397

Delta R.T. -0.053 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

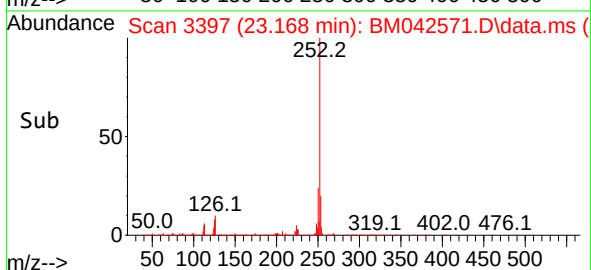
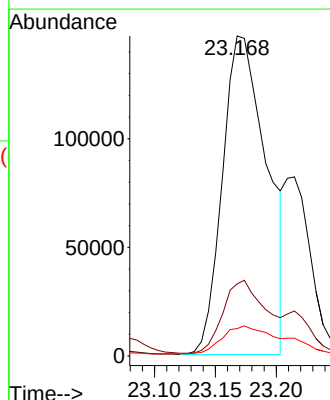
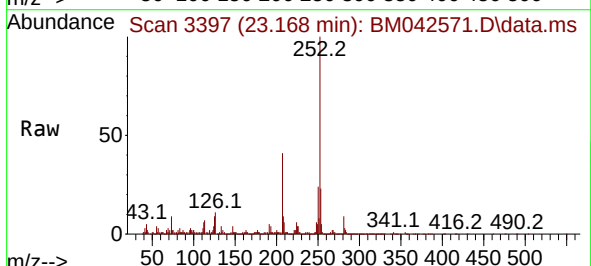
Tgt Ion:252 Resp: 372004

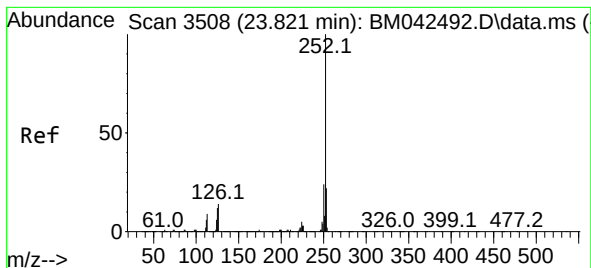
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 8.6 8.2 12.4





#90

Benzo(a)pyrene

Concen: 13.702 ng

RT: 23.803 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

TR-05-103123

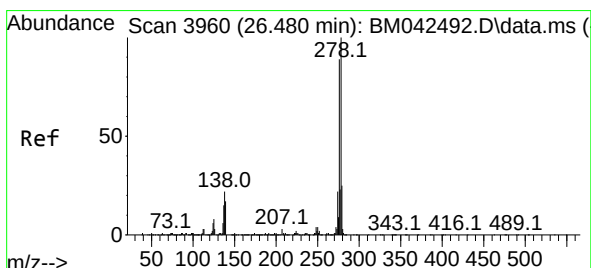
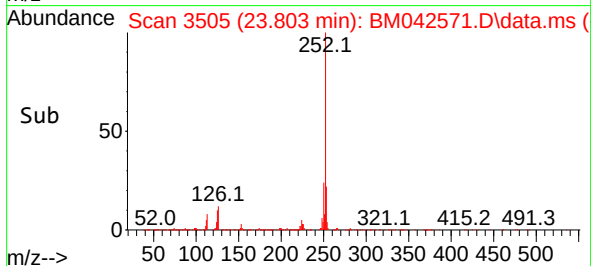
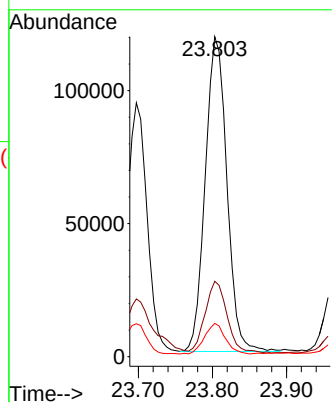
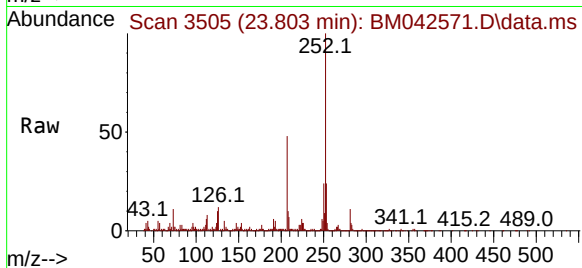
Tgt Ion:252 Resp: 240334

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 10.4 9.4 14.2



#91

Dibenzo(a,h)anthracene

Concen: 6.116 ng

RT: 26.444 min Scan# 3954

Delta R.T. -0.024 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

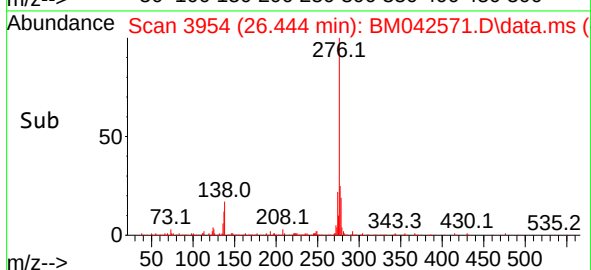
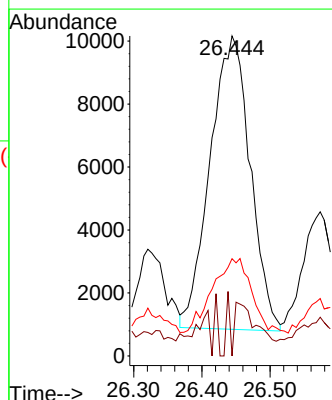
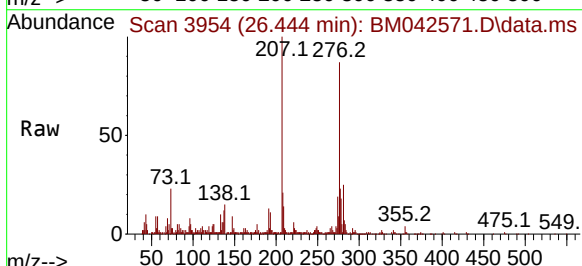
Tgt Ion:278 Resp: 38031

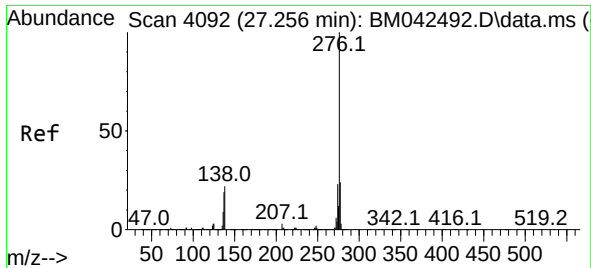
Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.2#

279 30.4 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 10.104 ng
 RT: 27.226 min Scan# 4092
 Delta R.T. -0.018 min
 Lab File: BM042571.D
 Acq: 03 Nov 2023 15:35

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-103123

Tgt Ion:276 Resp: 169494
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.2 28.8
 138 16.6 17.3 25.9#

