

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043386.D
 Acq On : 18 Dec 2023 10:50
 Operator : MA/JU
 Sample : 05626-16
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLG2

Quant Time: Dec 19 00:25:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 22:09:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	444709	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	2002338	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.621	164	1031867	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	1748334	20.000	ng/u1	0.00
79) Chrysene-d12	21.544	240	1194622	20.000	ng/u1	0.00
88) Perylene-d12	23.974	264	1316854	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	50454	3.687	ng/uL	0.00
4) Pyridine-d5	3.810	84	258869	6.573	ng/u1	0.00
7) Phenol-d5	7.151	99	1115258	22.045	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	727223	22.698	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	829009	21.462	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	891918	22.720	ng/u1	0.00
21) Nitrobenzene-d5	9.163	128	416606	21.505	ng/u1	0.00
24) 2-Nitrophenol-d4	9.886	143	421062	21.035	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	731843	20.711	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	828585	15.939	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	2121568	22.840	ng/u1	0.00
49) Acenaphthylene-d8	14.316	160	2540258	23.053	ng/u1	0.00
54) 4-Nitrophenol-d4	14.821	143	297674	16.932	ng/u1	0.00
60) Fluorene-d10	15.615	176	1754703	22.844	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	207780	17.970	ng/u1	0.00
73) Anthracene-d10	17.468	188	2336709	23.832	ng/u1	0.00
81) Pyrene-d10	19.750	212	2206341	23.393	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.821	264	1958266	24.098	ng/u1	0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.828	105	148773	2.475	ng/u1	97
30) Naphthalene	10.857	128	16030462	125.617	ng/u1#	93
32) 4-Chloroaniline	10.857	127	2237479	44.759	ng/u1#	4
36) 2-Methylnaphthalene	12.457	142	1273506	14.660	ng/u1	99
37) 1-Methylnaphthalene	12.674	142	894634	10.211	ng/u1	100
50) Acenaphthylene	14.345	152	317366	2.508	ng/u1	99
52) Acenaphthene	14.686	153	282944	3.393	ng/u1	98
56) Dibenzofuran	15.021	168	113368	1.053	ng/u1	92
61) Fluorene	15.668	166	104011	1.130	ng/u1	98
72) Phenanthrene	17.409	178	403447	3.405	ng/u1	99
74) Anthracene	17.498	178	703894	5.886	ng/u1	99
77) Carbazole	17.774	167	313282	3.069	ng/u1	99
80) Fluoranthene	19.421	202	1743564	14.928	ng/u1	99
82) Pyrene	19.786	202	2099187	17.483	ng/u1	98
85) Benzo(a)anthracene	21.527	228	904121	9.051	ng/u1	94
87) Chrysene	21.580	228	754012	8.390	ng/u1	98
90) Benzo(b)fluoranthene	23.238	252	4564450	45.231	ng/u1	98
91) Benzo(k)fluoranthene	23.238	252	4564450	46.376	ng/u1	98
93) Benzo(a)pyrene	23.868	252	1607976	17.465	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.503	276	1347764	12.260	ng/u1	99
95) Dibenzo(a,h)anthracene	26.515	278	332485	3.652	ng/u1#	78
96) Benzo(g,h,i)perylene	27.279	276	407531	4.729	ng/u1	99

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 22:09:25 2023
Response via : Initial Calibration

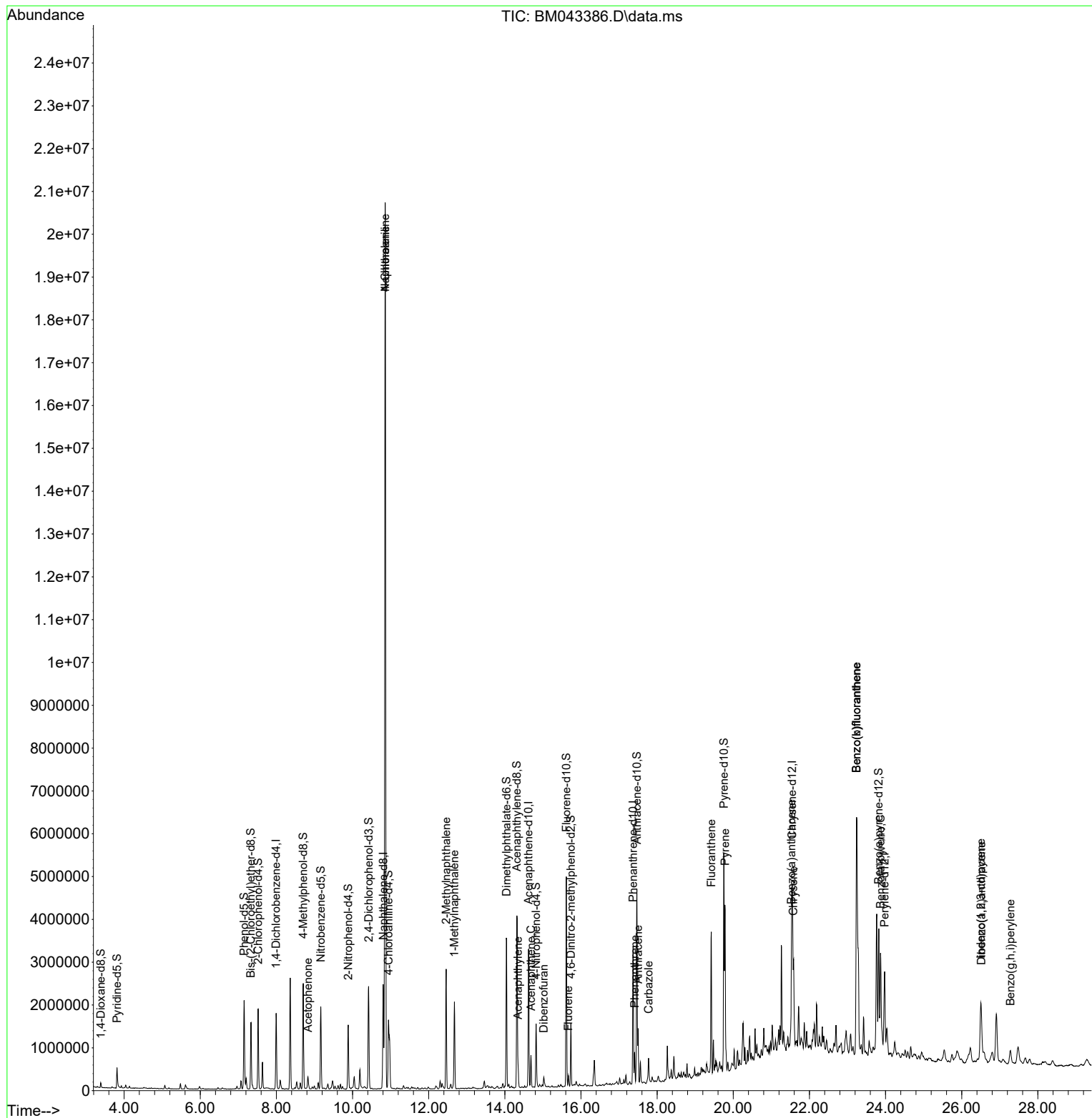
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

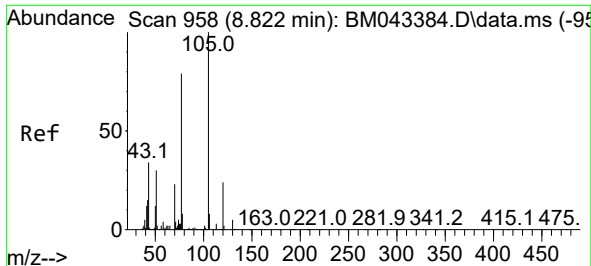
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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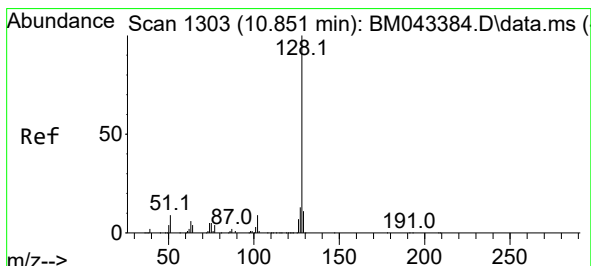
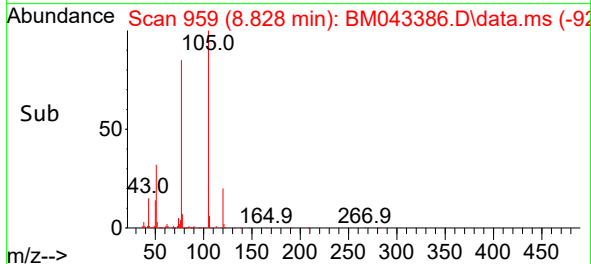
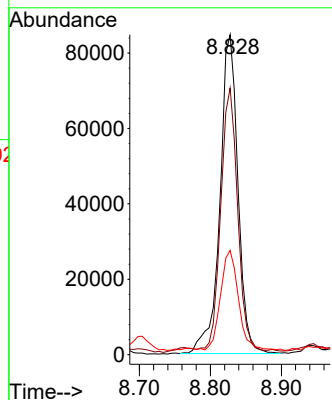
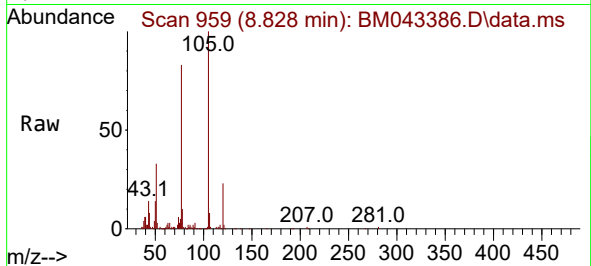




#16
Acetophenone
Concen: 2.475 ng/ul
RT: 8.828 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM043386.D
Acq: 18 Dec 2023 10:50

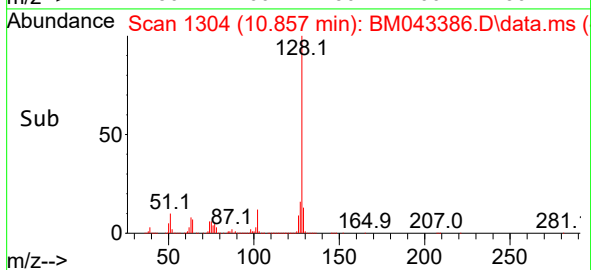
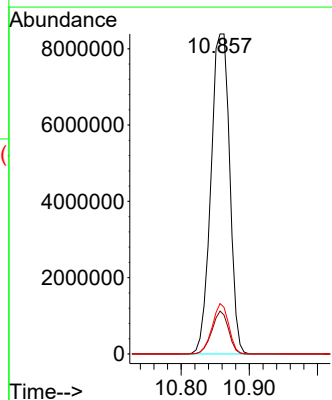
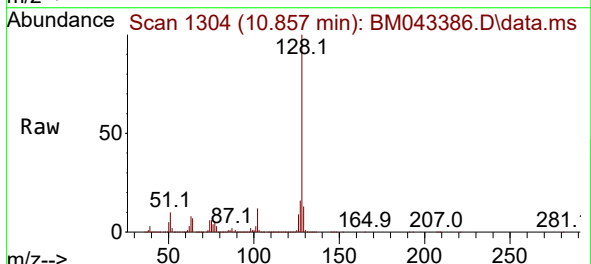
Instrument :
BNA_M
ClientSampleId :
DCLG2

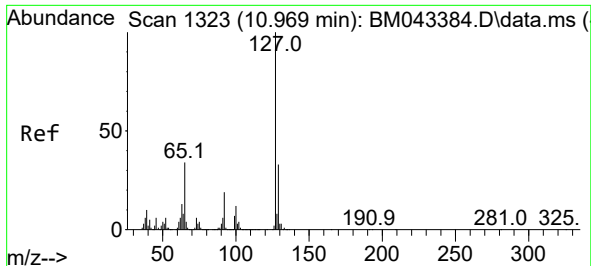
Tgt Ion:105 Resp: 148773
Ion Ratio Lower Upper
105 100
77 83.4 65.1 97.7
51 32.6 24.3 36.5



#30
Naphthalene
Concen: 125.617 ng/ul
RT: 10.857 min Scan# 1304
Delta R.T. 0.006 min
Lab File: BM043386.D
Acq: 18 Dec 2023 10:50

Tgt Ion:128 Resp:16030462
Ion Ratio Lower Upper
128 100
129 13.4 8.8 13.2#
127 15.7 10.2 15.4#

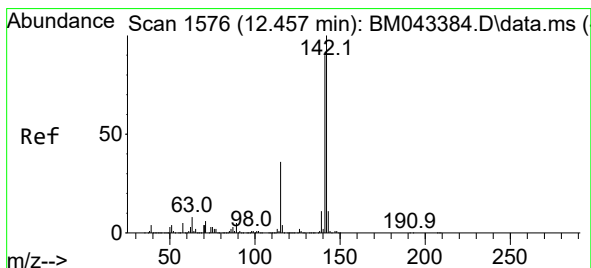
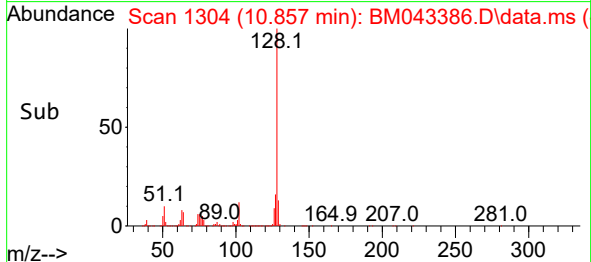
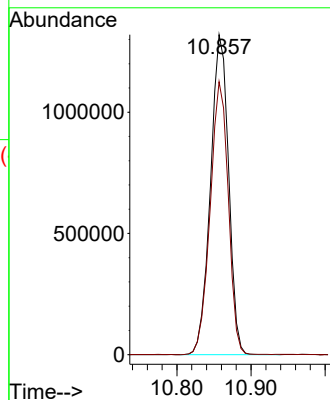
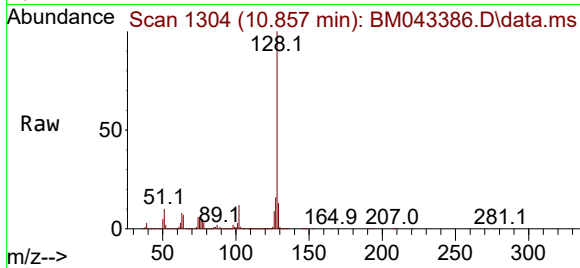




#32
4-Chloroaniline
Concen: 44.759 ng/ul
RT: 10.857 min Scan# 1304
Delta R.T. -0.112 min
Lab File: BM043386.D
Acq: 18 Dec 2023 10:50

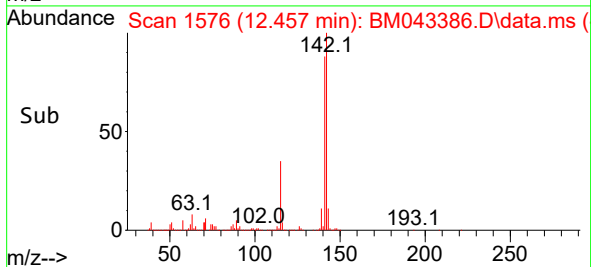
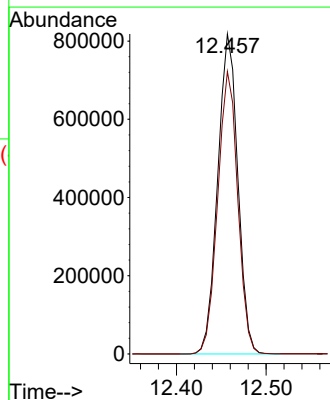
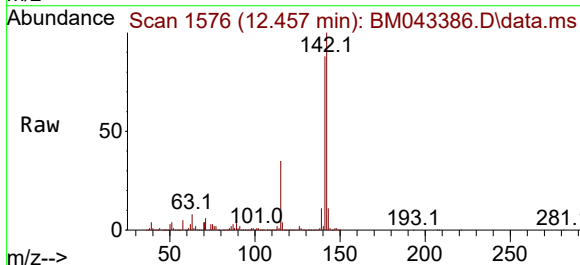
Instrument :
BNA_M
ClientSampleId :
DCLG2

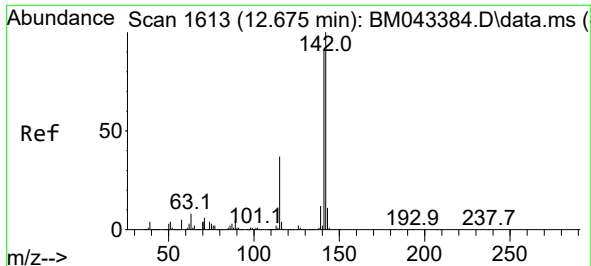
Tgt Ion:127 Resp: 2237479
Ion Ratio Lower Upper
127 100
129 85.3 25.4 38.2#



#36
2-Methylnaphthalene
Concen: 14.660 ng/ul
RT: 12.457 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BM043386.D
Acq: 18 Dec 2023 10:50

Tgt Ion:142 Resp: 1273506
Ion Ratio Lower Upper
142 100
141 88.3 69.9 104.9





#37

1-Methylnaphthalene

Concen: 10.211 ng/ul

RT: 12.674 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

Instrument :

BNA_M

ClientSampleId :

DCLG2

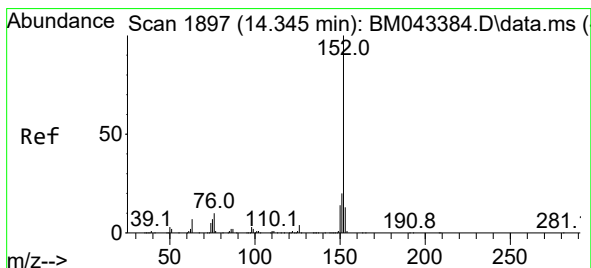
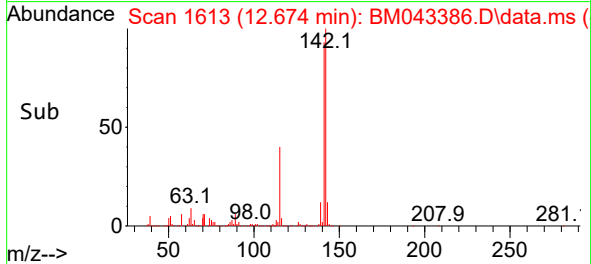
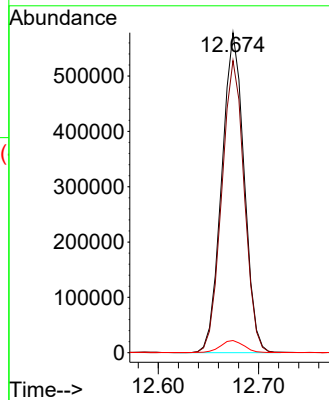
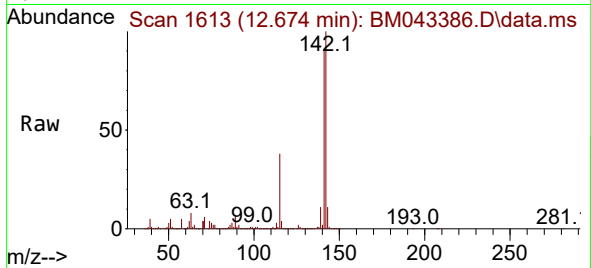
Tgt Ion:142 Resp: 894634

Ion Ratio Lower Upper

142 100

141 91.3 73.0 109.4

116 3.8 3.0 4.6



#50

Acenaphthylene

Concen: 2.508 ng/ul

RT: 14.345 min Scan# 1897

Delta R.T. -0.006 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

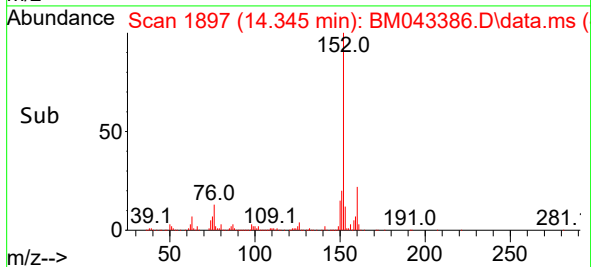
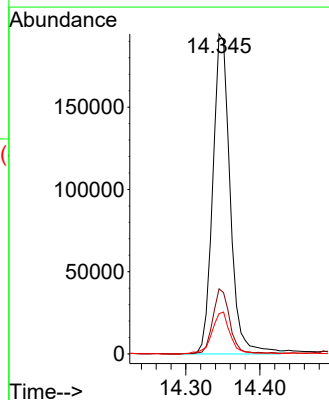
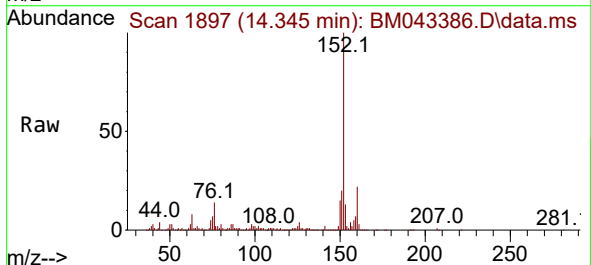
Tgt Ion:152 Resp: 317366

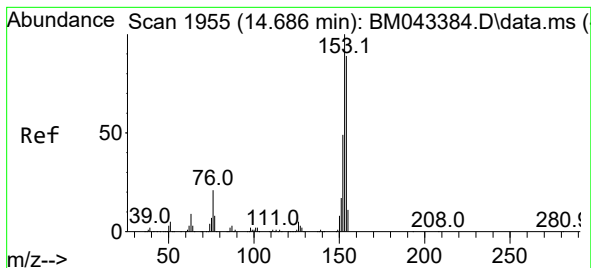
Ion Ratio Lower Upper

152 100

151 20.3 15.6 23.4

153 12.6 10.2 15.4





#52

Acenaphthene

Concen: 3.393 ng/ul

RT: 14.686 min Scan# 1955

Delta R.T. -0.000 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

Instrument :

BNA_M

ClientSampleId :

DCLG2

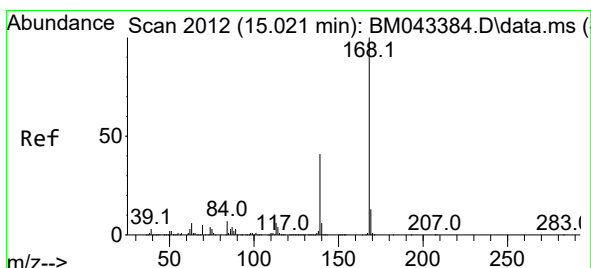
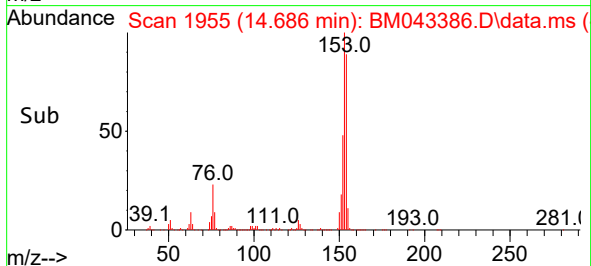
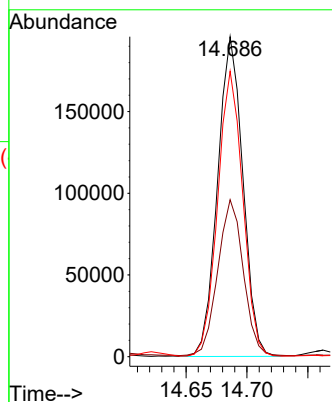
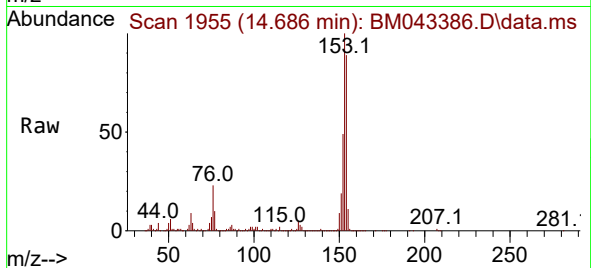
Tgt Ion:153 Resp: 282944

Ion Ratio Lower Upper

153 100

152 49.1 38.1 57.1

154 89.2 70.4 105.6



#56

Dibenzofuran

Concen: 1.053 ng/ul

RT: 15.021 min Scan# 1212

Delta R.T. -0.000 min

Lab File: BM043386.D

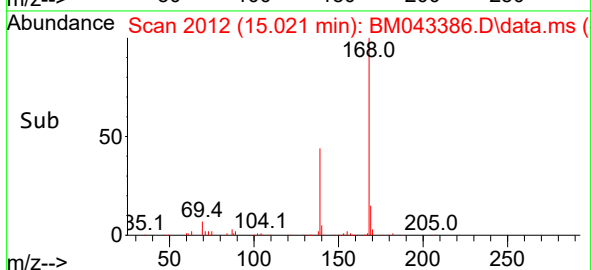
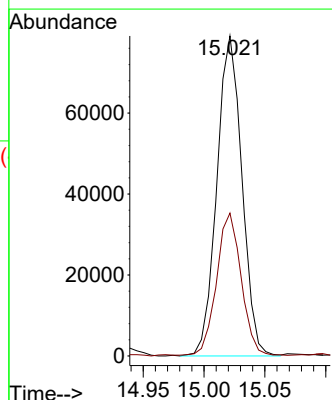
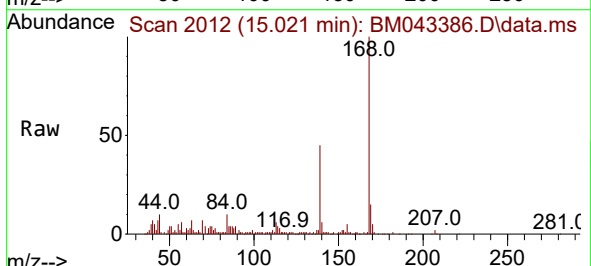
Acq: 18 Dec 2023 10:50

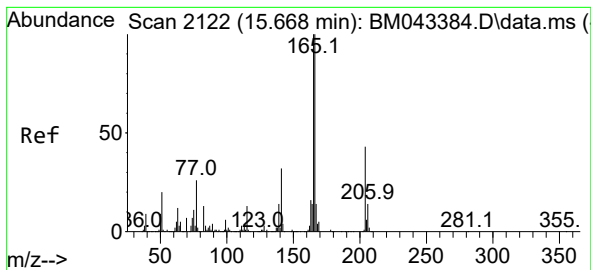
Tgt Ion:168 Resp: 113368

Ion Ratio Lower Upper

168 100

139 44.7 31.8 47.8





#61

Fluorene

Concen: 1.130 ng/ul

RT: 15.668 min Scan# 2122

Delta R.T. -0.000 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

Instrument :

BNA_M

ClientSampleId :

DCLG2

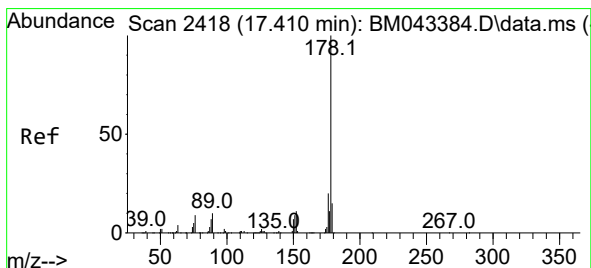
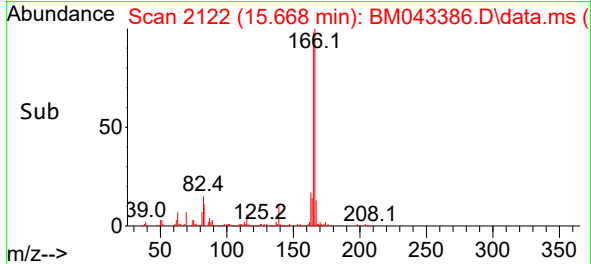
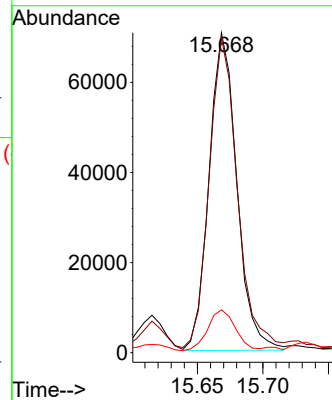
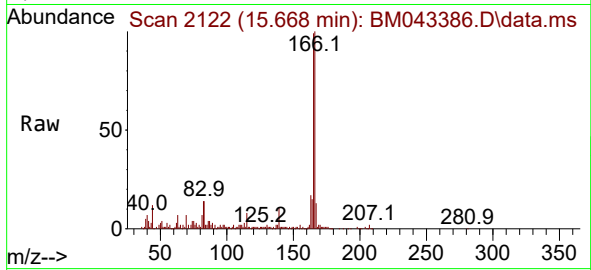
Tgt Ion:166 Resp: 104011

Ion Ratio Lower Upper

166 100

165 98.5 76.9 115.3

167 13.4 10.9 16.3



#72

Phenanthrene

Concen: 3.405 ng/ul

RT: 17.409 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

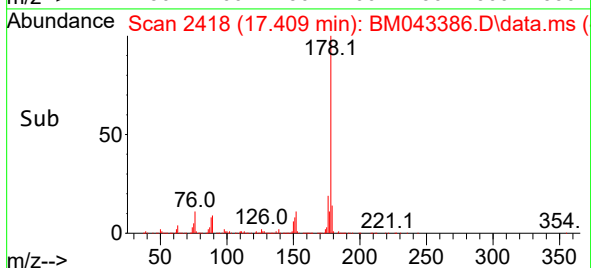
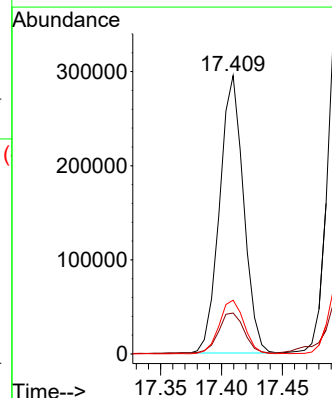
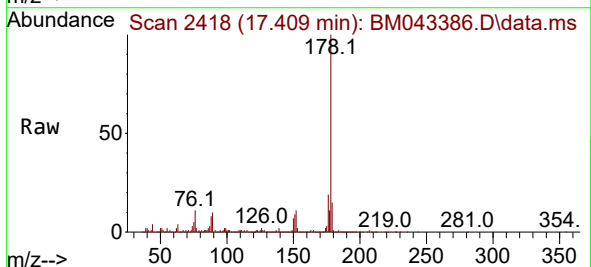
Tgt Ion:178 Resp: 403447

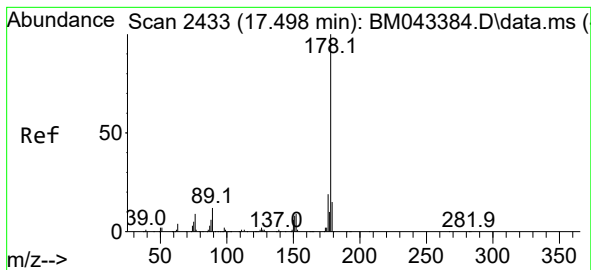
Ion Ratio Lower Upper

178 100

179 14.7 12.2 18.4

176 19.3 15.5 23.3





#74

Anthracene

Concen: 5.886 ng/ul

RT: 17.498 min Scan# 2433

Delta R.T. -0.000 min

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Instrument :

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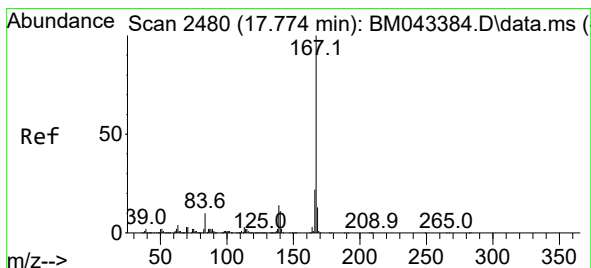
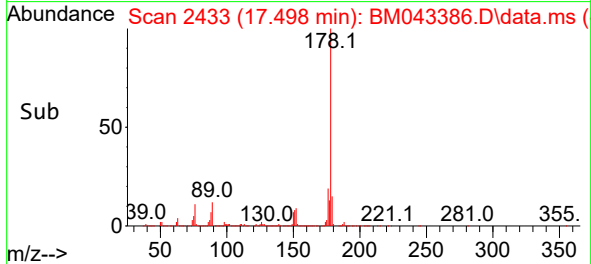
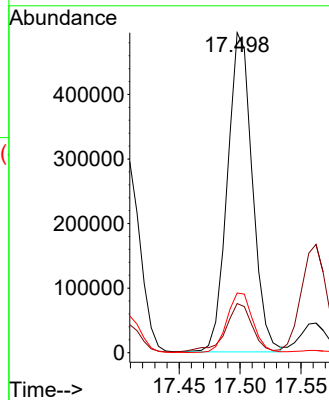
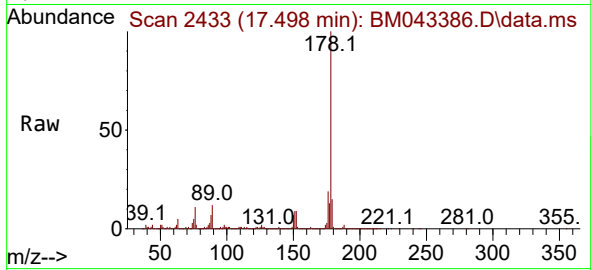
Tgt Ion:178 Resp: 703894

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

176 18.6 15.2 22.8



#77

Carbazole

Concen: 3.069 ng/ul

RT: 17.774 min Scan# 2480

Delta R.T. -0.000 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

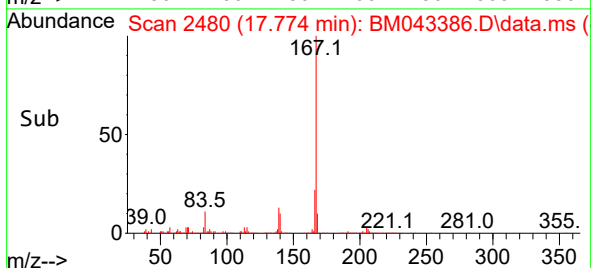
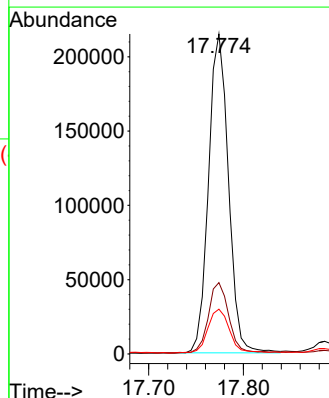
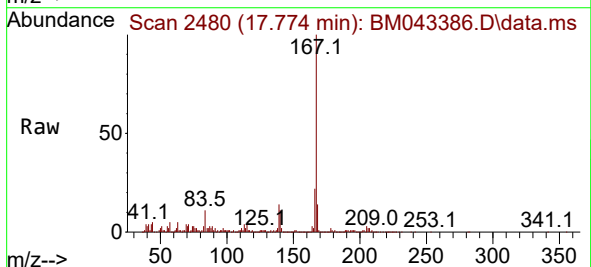
Tgt Ion:167 Resp: 313282

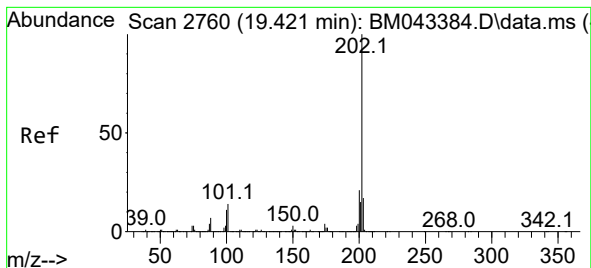
Ion Ratio Lower Upper

167 100

166 22.3 17.3 25.9

139 14.0 10.7 16.1





#80

Fluoranthene

Concen: 14.928 ng/ul

RT: 19.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

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DCLG2

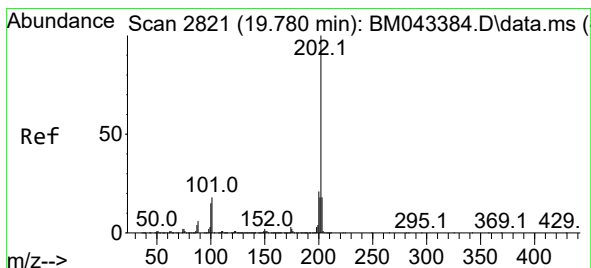
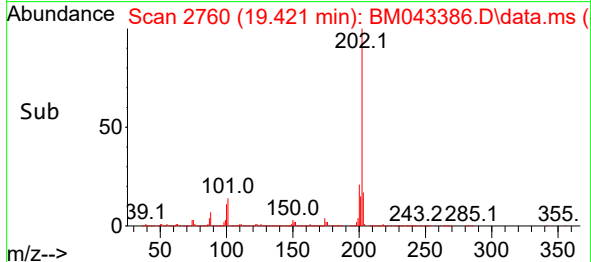
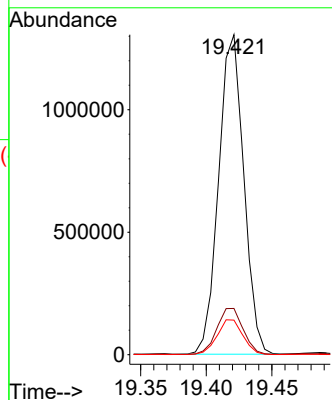
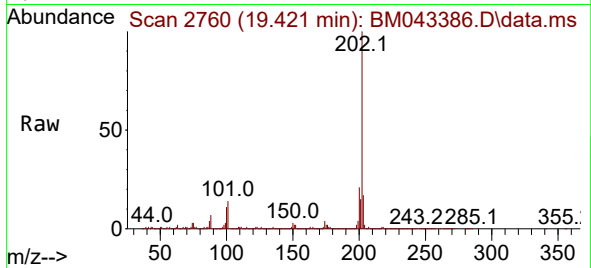
Tgt Ion:202 Resp: 1743564

Ion Ratio Lower Upper

202 100

101 14.4 11.4 17.0

100 10.8 8.2 12.4



#82

Pyrene

Concen: 17.483 ng/ul

RT: 19.786 min Scan# 2822

Delta R.T. 0.006 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

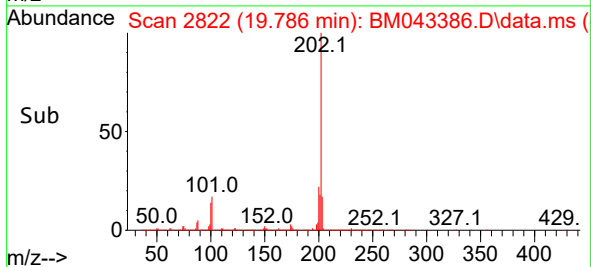
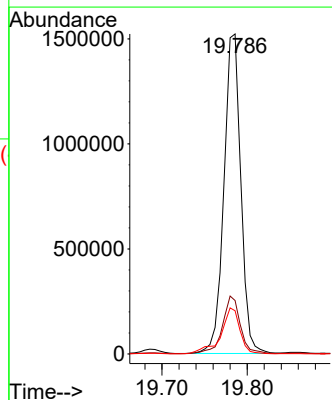
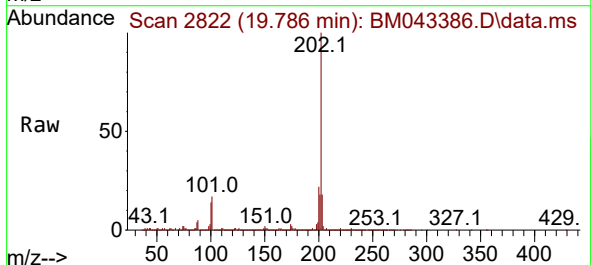
Tgt Ion:202 Resp: 2099187

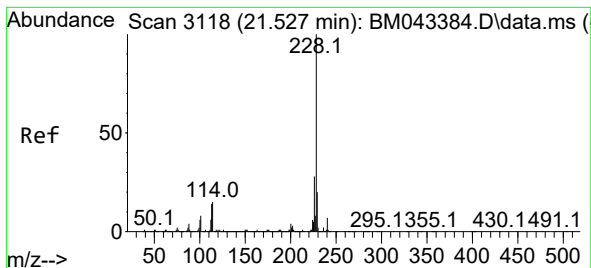
Ion Ratio Lower Upper

202 100

101 16.7 12.7 19.1

100 13.5 10.1 15.1





#85

Benzo(a)anthracene

Concen: 9.051 ng/uI

RT: 21.527 min Scan# 3118

Delta R.T. 0.006 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

Instrument :

BNA_M

ClientSampleId :

DCLG2

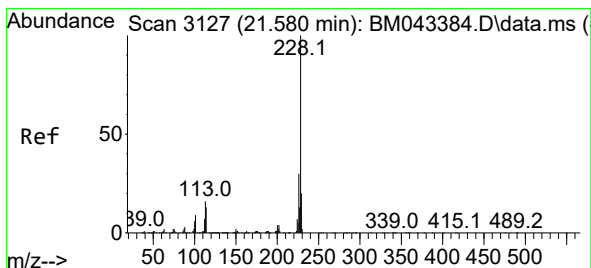
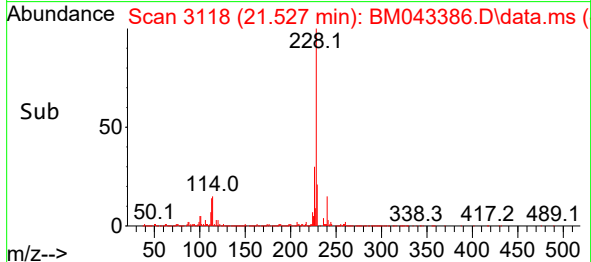
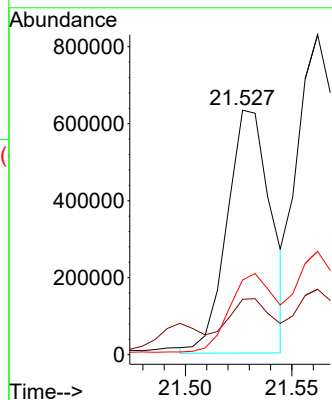
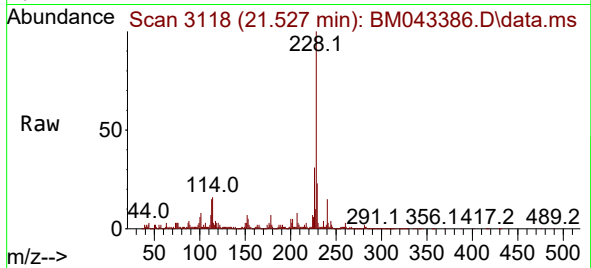
Tgt Ion:228 Resp: 904121

Ion Ratio Lower Upper

228 100

229 22.7 15.6 23.4

226 30.6 22.2 33.2



#87

Chrysene

Concen: 8.390 ng/uI

RT: 21.580 min Scan# 3127

Delta R.T. 0.006 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

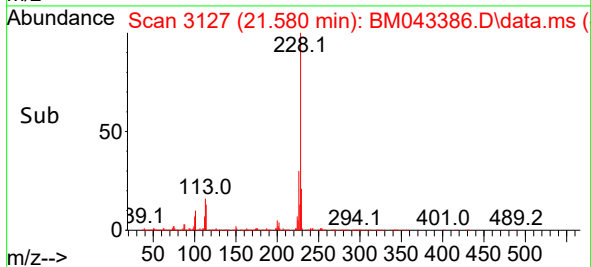
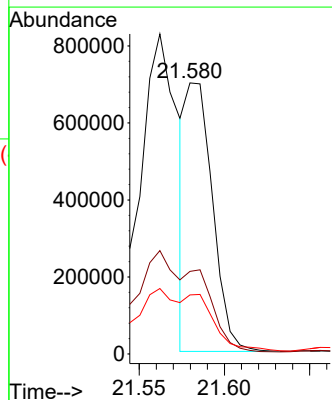
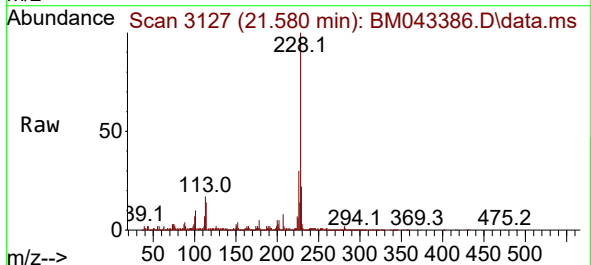
Tgt Ion:228 Resp: 754012

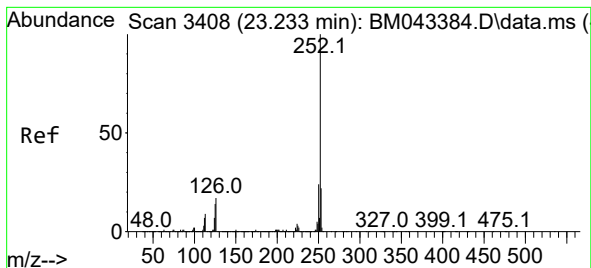
Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 21.8 15.9 23.9





#90

Benzo(b)fluoranthene

Concen: 45.231 ng/ul

RT: 23.238 min Scan# 3409

Delta R.T. 0.018 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

Instrument :

BNA_M

ClientSampleId :

DCLG2

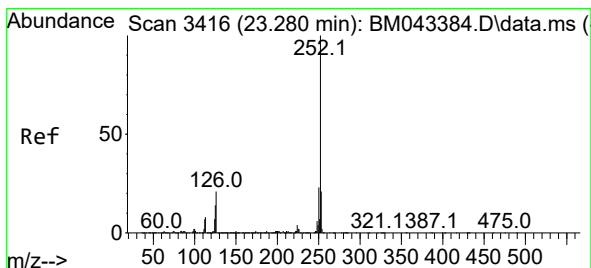
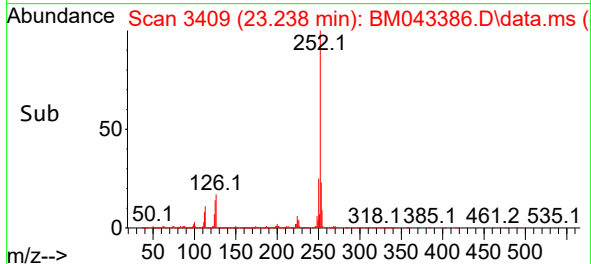
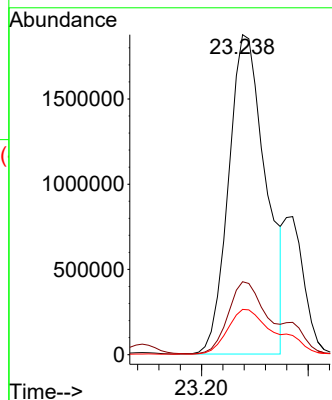
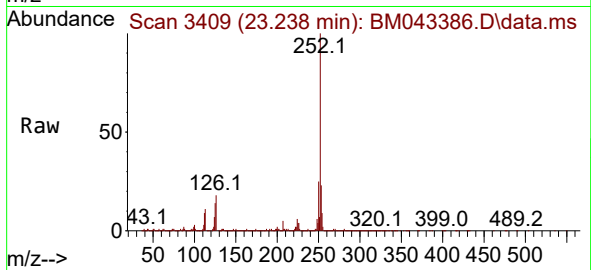
Tgt Ion:252 Resp: 4564450

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 14.1 10.4 15.6



#91

Benzo(k)fluoranthene

Concen: 46.376 ng/ul

RT: 23.238 min Scan# 3409

Delta R.T. -0.029 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

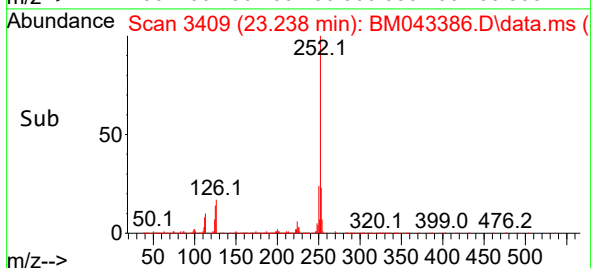
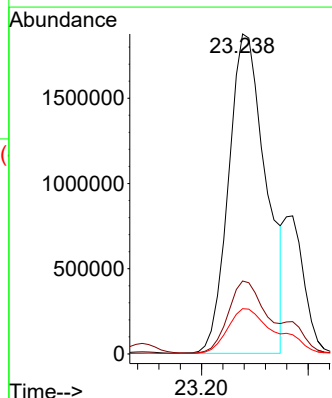
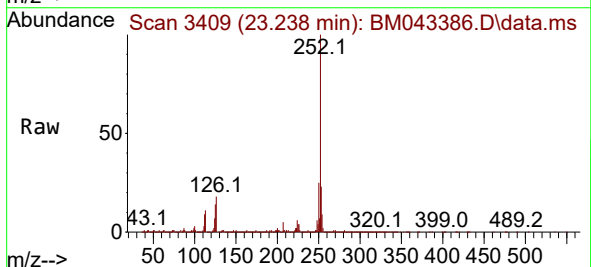
Tgt Ion:252 Resp: 4564450

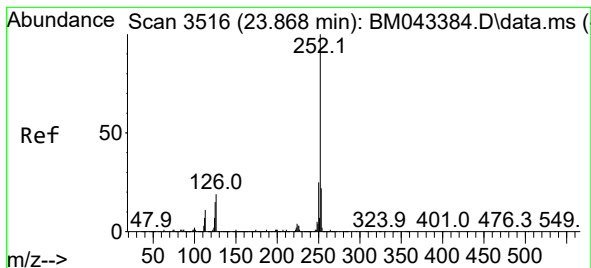
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 14.1 10.2 15.4





#93

Benzo(a)pyrene

Concen: 17.465 ng/ul

RT: 23.868 min Scan# 3

Delta R.T. 0.018 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

Instrument :

BNA_M

ClientSampleId :

DCLG2

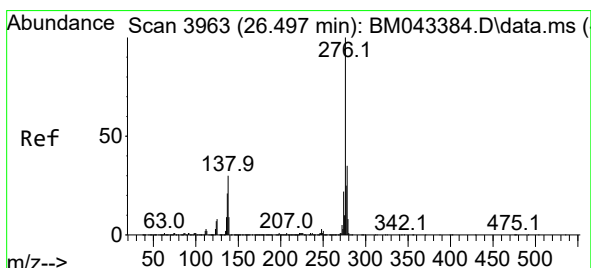
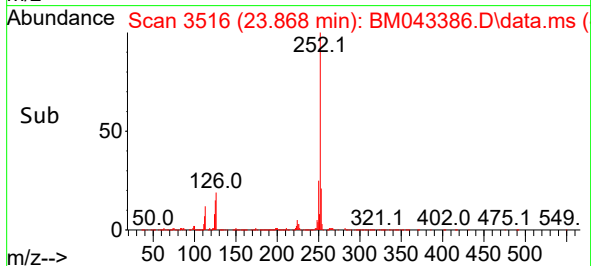
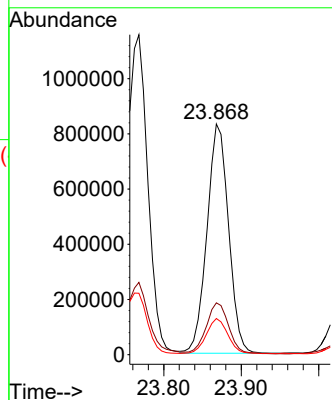
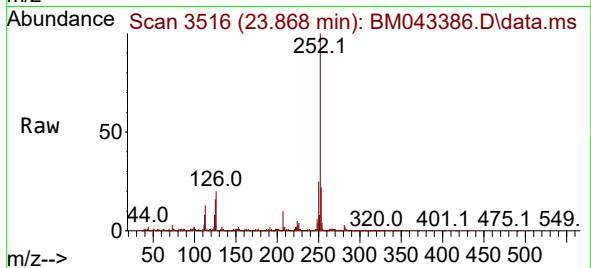
Tgt Ion:252 Resp: 1607976

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 15.7 11.4 17.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 12.260 ng/ul

RT: 26.503 min Scan# 3964

Delta R.T. 0.024 min

Lab File: BM043386.D

Acq: 18 Dec 2023 10:50

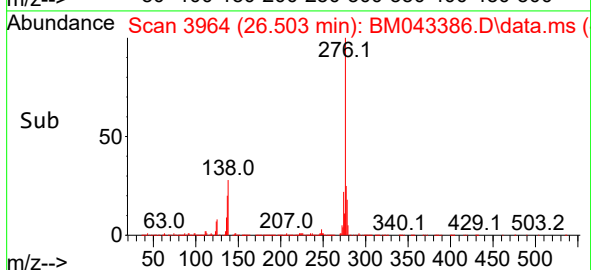
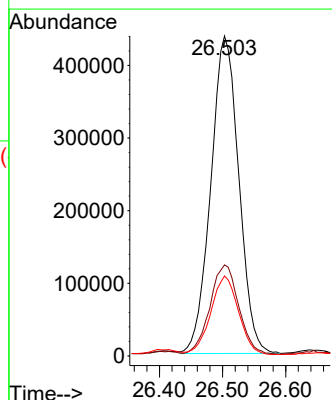
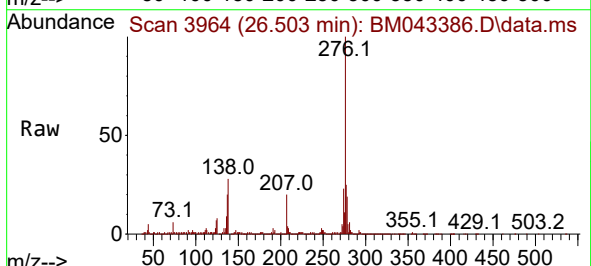
Tgt Ion:276 Resp: 1347764

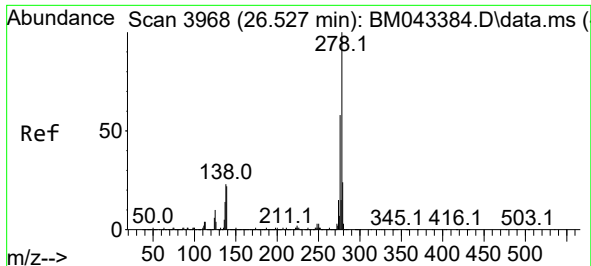
Ion Ratio Lower Upper

276 100

138 28.4 22.6 34.0

277 25.0 19.7 29.5

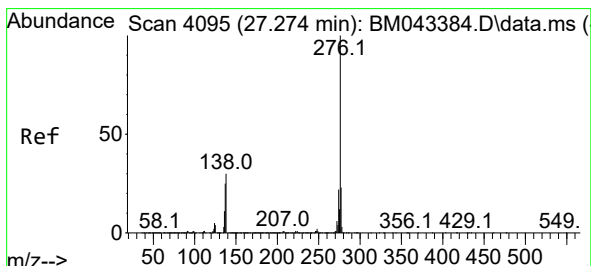
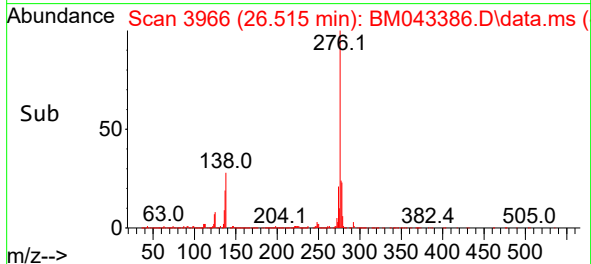
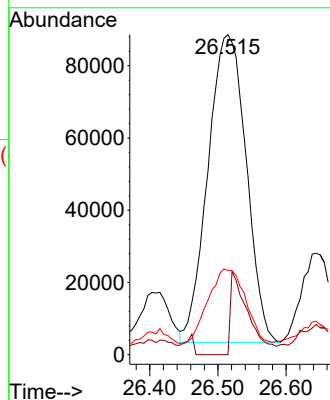
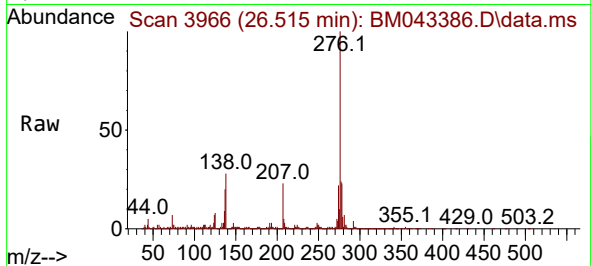




#95
Dibenzo(a,h)anthracene
Concen: 3.652 ng/ul
RT: 26.515 min Scan# 3966
Delta R.T. 0.012 min
Lab File: BM043386.D
Acq: 18 Dec 2023 10:50

Instrument :
BNA_M
ClientSampleId :
DCLG2

Tgt Ion:278 Resp: 332485
Ion Ratio Lower Upper
278 100
139 0.0 16.0 24.0#
279 26.3 19.4 29.0



#96
Benzo(g,h,i)perylene
Concen: 4.729 ng/ul
RT: 27.279 min Scan# 4096
Delta R.T. 0.029 min
Lab File: BM043386.D
Acq: 18 Dec 2023 10:50

Tgt Ion:276 Resp: 407531
Ion Ratio Lower Upper
276 100
138 28.8 22.4 33.6
277 23.5 19.1 28.7

