

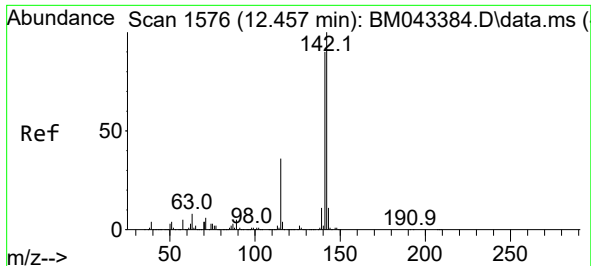
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043396.D
 Acq On : 18 Dec 2023 16:55
 Operator : MA/JU
 Sample : 05626-05DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLF3DL

Quant Time: Dec 19 00:28:52 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	549544	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	2411225	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.621	164	1262251	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	2098700	20.000	ng/u1	0.00
79) Chrysene-d12	21.544	240	1376706	20.000	ng/u1	0.00
88) Perylene-d12	23.968	264	1532929	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	15931	0.942	ng/uL	0.00
4) Pyridine-d5	3.810	84	222758	4.577	ng/u1	0.00
7) Phenol-d5	7.151	99	330605	5.288	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	220802	5.577	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	256692	5.378	ng/u1	0.00
15) 4-Methylphenol-d8	8.698	113	261189	5.384	ng/u1	0.00
21) Nitrobenzene-d5	9.163	128	126557	5.425	ng/u1	0.00
24) 2-Nitrophenol-d4	9.886	143	126281	5.239	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	220920	5.192	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	337036	5.384	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	619318	5.450	ng/u1	0.00
49) Acenaphthylene-d8	14.321	160	743565	5.516	ng/u1	0.00
54) 4-Nitrophenol-d4	14.821	143	78912	3.669	ng/u1	0.00
60) Fluorene-d10	15.615	176	517036	5.503	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	42592	3.069	ng/u1	0.00
73) Anthracene-d10	17.468	188	640124	5.439	ng/u1	0.00
81) Pyrene-d10	19.750	212	601057	5.530	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.809	264	512795	5.421	ng/u1	0.00
Target Compounds						
					Qvalue	
36) 2-Methylnaphthalene	12.457	142	147466	1.410	ng/u1	100
52) Acenaphthene	14.686	153	868041	8.509	ng/u1	98
56) Dibenzofuran	15.021	168	910542	6.911	ng/u1	99
61) Fluorene	15.668	166	969492	8.613	ng/u1	99
72) Phenanthrene	17.409	178	5926758	41.667	ng/u1	99
74) Anthracene	17.504	178	8133637	56.659	ng/u1	99
77) Carbazole	17.774	167	473266	3.863	ng/u1	99
80) Fluoranthene	19.421	202	5063047	37.616	ng/u1	99
82) Pyrene	19.786	202	3855107	27.860	ng/u1	98
85) Benzo(a)anthracene	21.527	228	830062	7.210	ng/u1	98
87) Chrysene	21.580	228	908385	8.771	ng/u1	99
90) Benzo(b)fluoranthene	23.233	252	552837	4.706	ng/u1	97
91) Benzo(k)fluoranthene	23.274	252	192013	1.676	ng/u1	96
93) Benzo(a)pyrene	23.862	252	293005	2.734	ng/u1	98

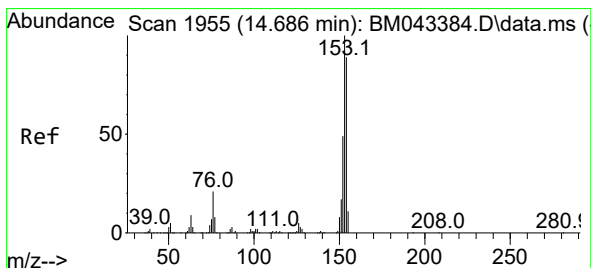
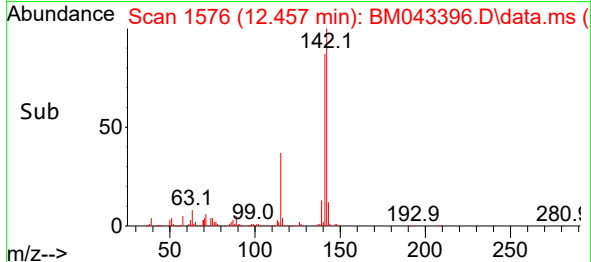
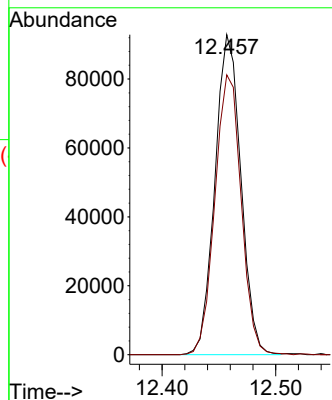
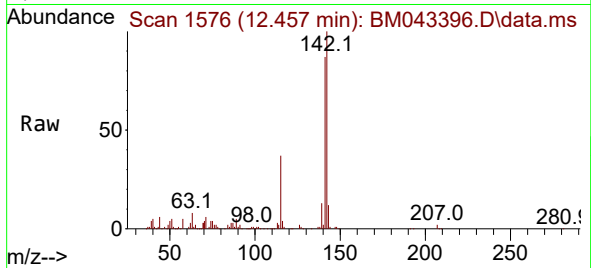
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#36
2-Methylnaphthalene
Concen: 1.410 ng/ul
RT: 12.457 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BM043396.D
Acq: 18 Dec 2023 16:55

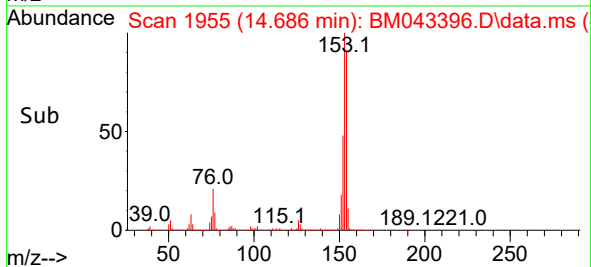
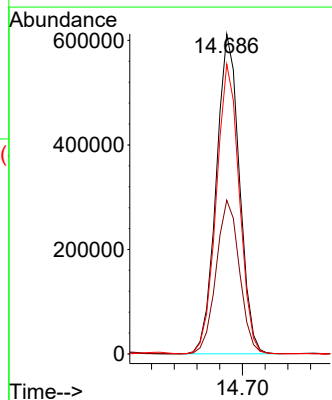
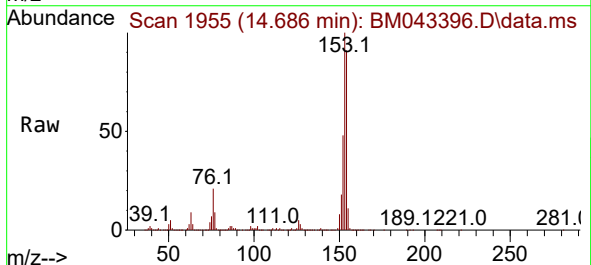
Instrument :
BNA_M
ClientSampleId :
DCLF3DL

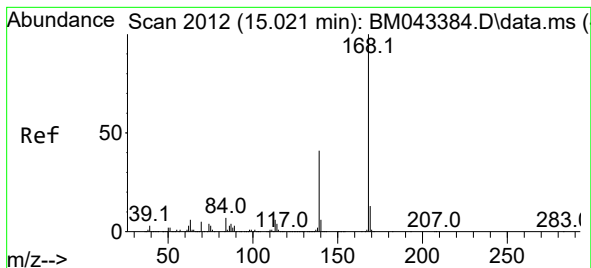
Tgt Ion:142 Resp: 147466
Ion Ratio Lower Upper
142 100
141 87.5 69.9 104.9



#52
Acenaphthene
Concen: 8.509 ng/ul
RT: 14.686 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM043396.D
Acq: 18 Dec 2023 16:55

Tgt Ion:153 Resp: 868041
Ion Ratio Lower Upper
153 100
152 48.1 38.1 57.1
154 90.6 70.4 105.6

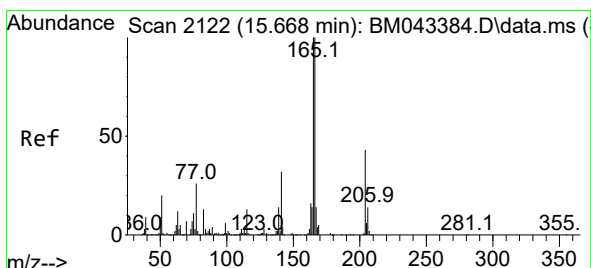
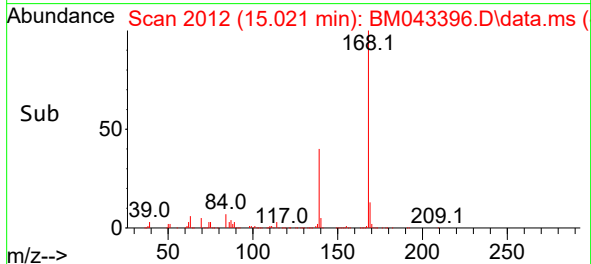
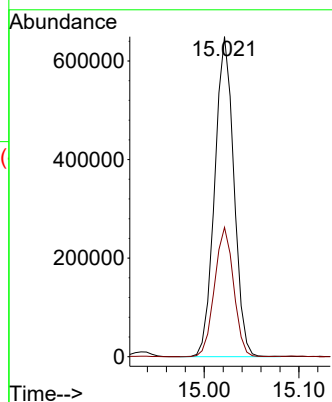
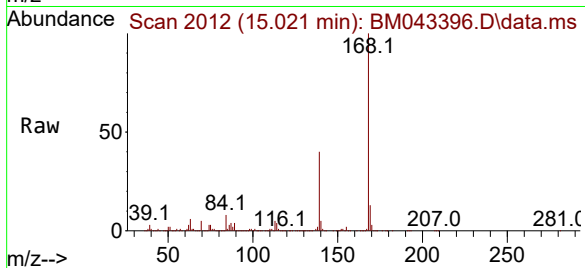




#56
Dibenzenofuran
Concen: 6.911 ng/ul
RT: 15.021 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BM043396.D
Acq: 18 Dec 2023 16:55

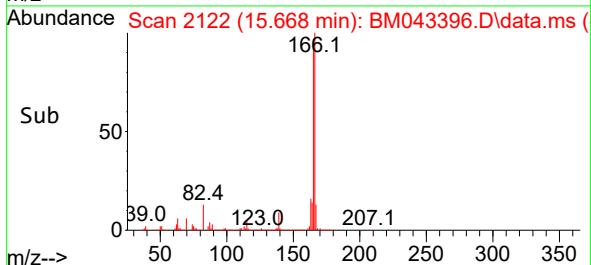
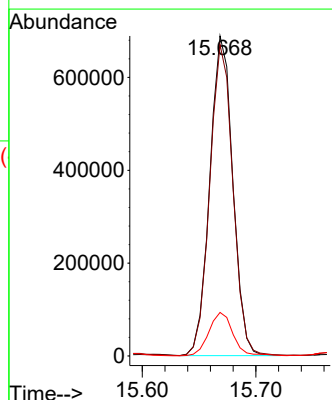
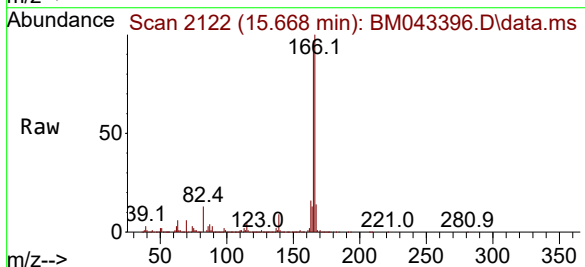
Instrument :
BNA_M
ClientSampleId :
DCLF3DL

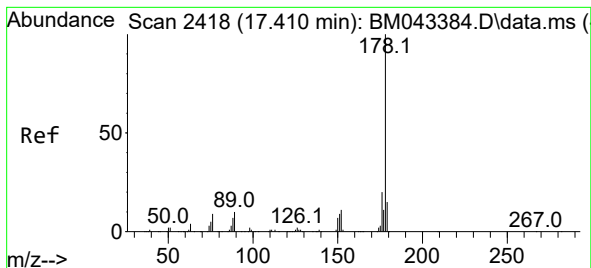
Tgt Ion:168 Resp: 910542
Ion Ratio Lower Upper
168 100
139 40.4 31.8 47.8



#61
Fluorene
Concen: 8.613 ng/ul
RT: 15.668 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM043396.D
Acq: 18 Dec 2023 16:55

Tgt Ion:166 Resp: 969492
Ion Ratio Lower Upper
166 100
165 97.3 76.9 115.3
167 13.6 10.9 16.3





#72

Phenanthrene

Concen: 41.667 ng/ul

RT: 17.409 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BM043396.D

Acq: 18 Dec 2023 16:55

Instrument :

BNA_M

ClientSampleId :

DCLF3DL

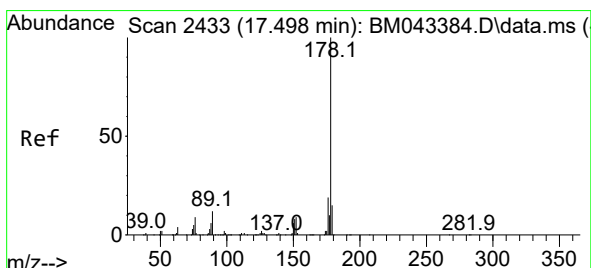
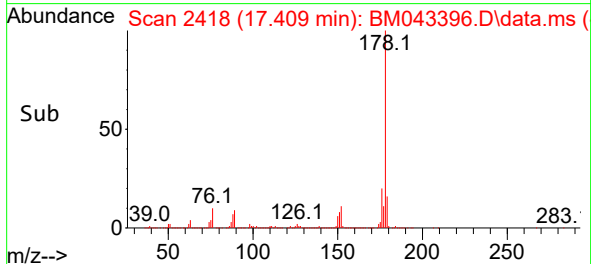
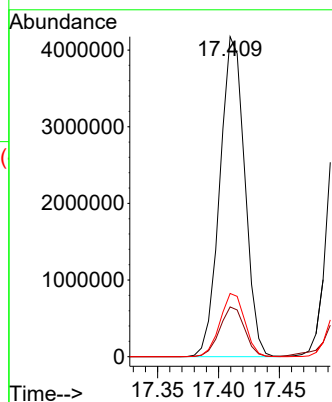
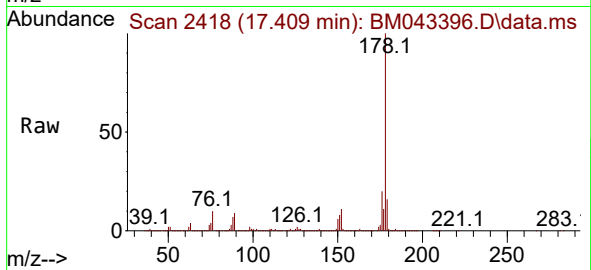
Tgt Ion:178 Resp: 5926758

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

176 19.8 15.5 23.3



#74

Anthracene

Concen: 56.659 ng/ul

RT: 17.504 min Scan# 2434

Delta R.T. 0.006 min

Lab File: BM043396.D

Acq: 18 Dec 2023 16:55

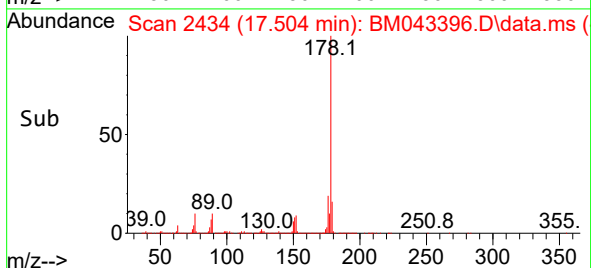
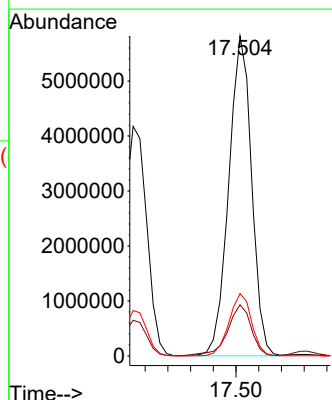
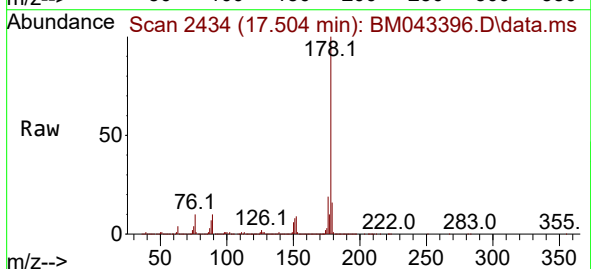
Tgt Ion:178 Resp: 8133637

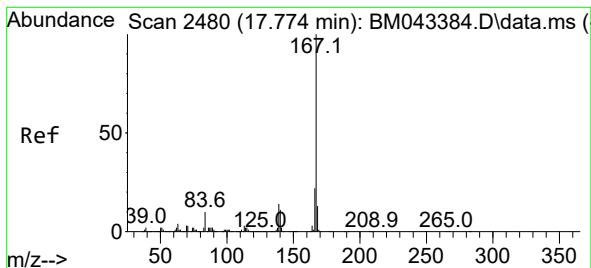
Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

176 19.5 15.2 22.8





#77

Carbazole

Concen: 3.863 ng/ul

RT: 17.774 min Scan# 2480

Delta R.T. 0.000 min

Lab File: BM043396.D

Acq: 18 Dec 2023 16:55

Instrument :

BNA_M

ClientSampleId :

DCLF3DL

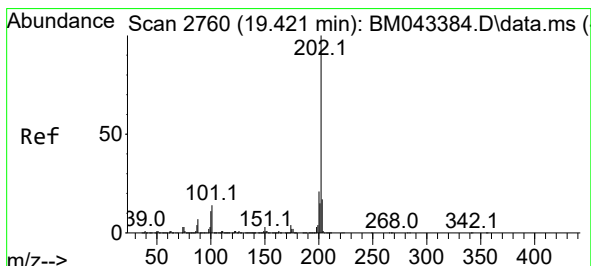
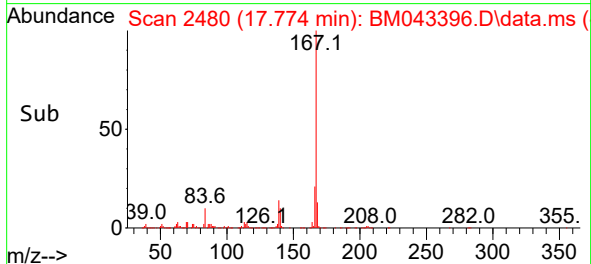
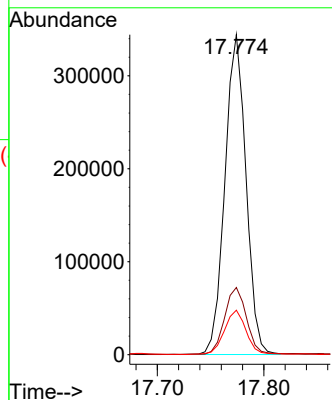
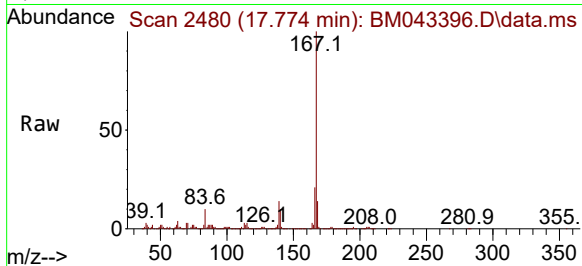
Tgt Ion:167 Resp: 473266

Ion Ratio Lower Upper

167 100

166 21.0 17.3 25.9

139 13.9 10.7 16.1



#80

Fluoranthene

Concen: 37.616 ng/ul

RT: 19.421 min Scan# 2760

Delta R.T. 0.006 min

Lab File: BM043396.D

Acq: 18 Dec 2023 16:55

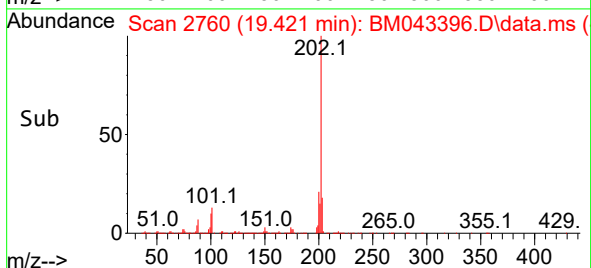
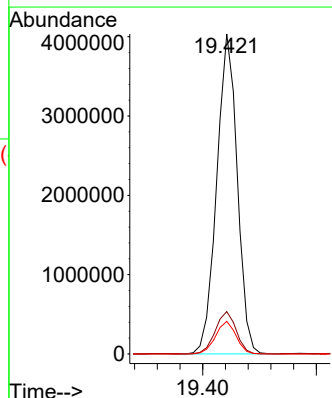
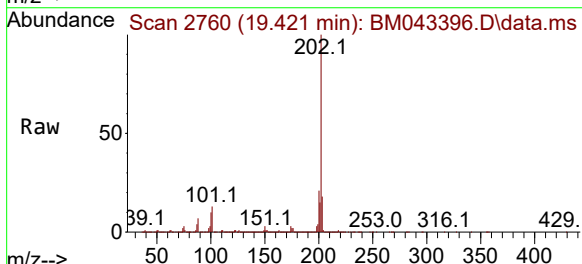
Tgt Ion:202 Resp: 5063047

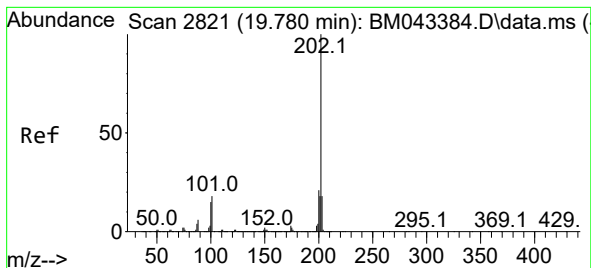
Ion Ratio Lower Upper

202 100

101 13.3 11.4 17.0

100 10.2 8.2 12.4





#82

Pyrene

Concen: 27.860 ng/ul

RT: 19.786 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM043396.D

Acq: 18 Dec 2023 16:55

Instrument :

BNA_M

ClientSampleId :

DCLF3DL

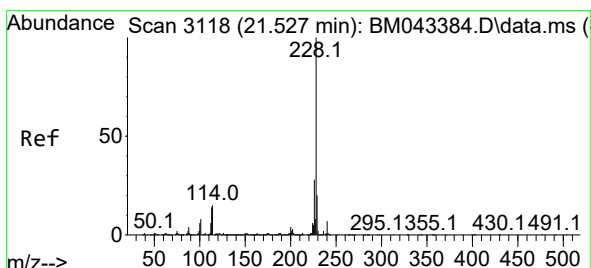
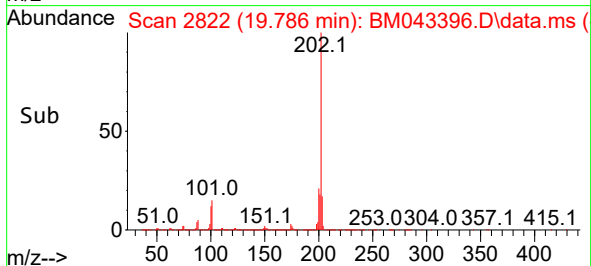
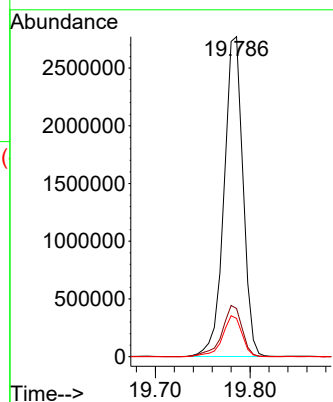
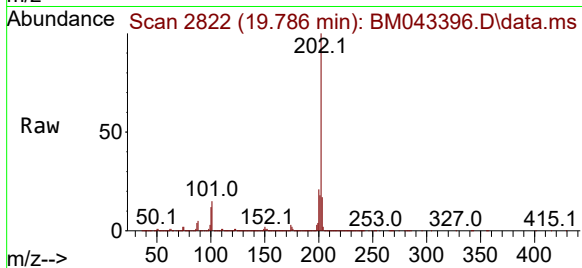
Tgt Ion:202 Resp: 3855107

Ion Ratio Lower Upper

202 100

101 15.0 12.7 19.1

100 11.9 10.1 15.1



#85

Benzo(a)anthracene

Concen: 7.210 ng/ul

RT: 21.527 min Scan# 3118

Delta R.T. 0.006 min

Lab File: BM043396.D

Acq: 18 Dec 2023 16:55

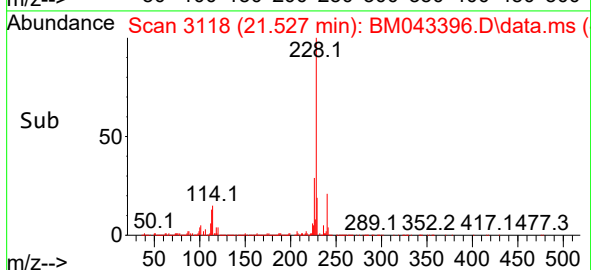
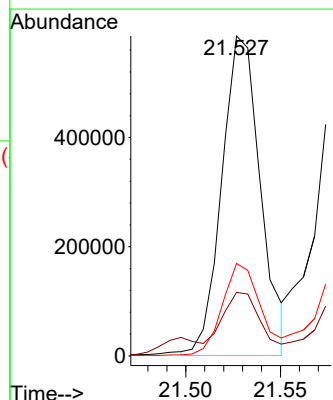
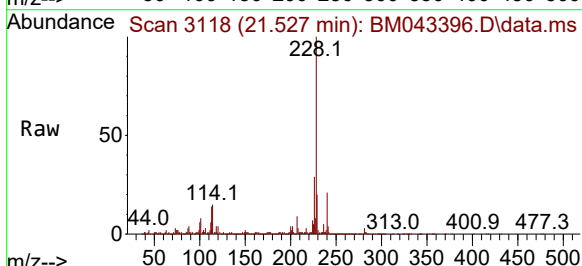
Tgt Ion:228 Resp: 830062

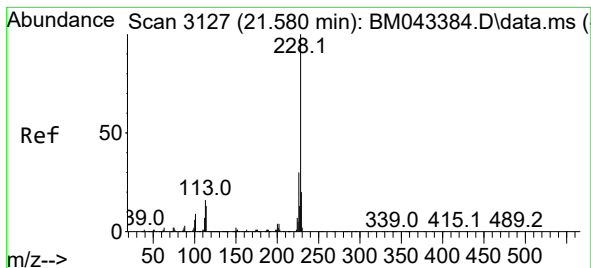
Ion Ratio Lower Upper

228 100

229 19.8 15.6 23.4

226 28.9 22.2 33.2





#87

Chrysene

Concen: 8.771 ng/ul

RT: 21.580 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM043396.D

Acq: 18 Dec 2023 16:55

Instrument :

BNA_M

ClientSampleId :

DCLF3DL

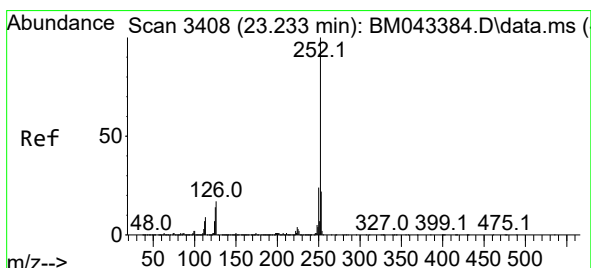
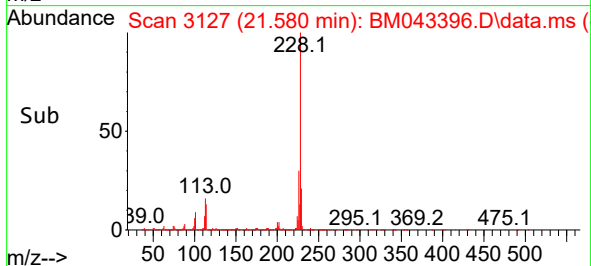
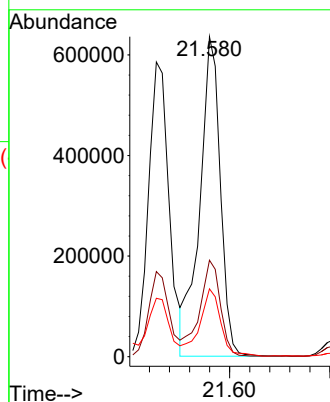
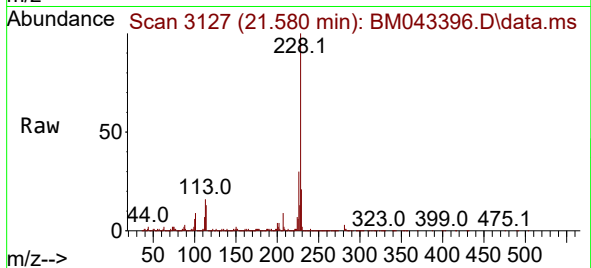
Tgt Ion:228 Resp: 908385

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 21.2 15.9 23.9



#90

Benzo(b)fluoranthene

Concen: 4.706 ng/ul

RT: 23.233 min Scan# 3408

Delta R.T. 0.012 min

Lab File: BM043396.D

Acq: 18 Dec 2023 16:55

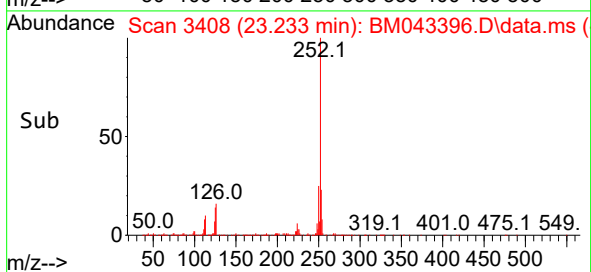
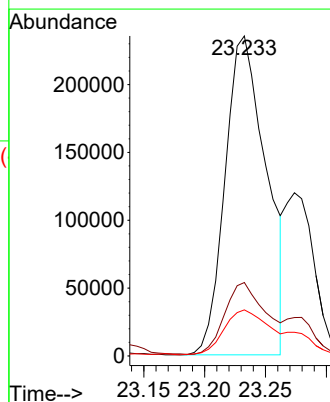
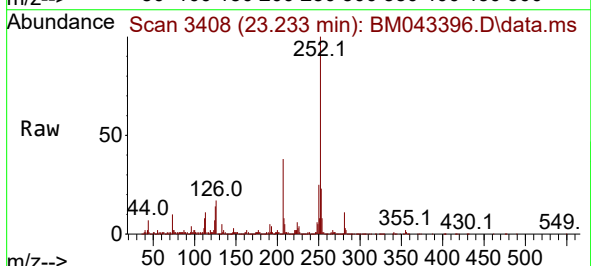
Tgt Ion:252 Resp: 552837

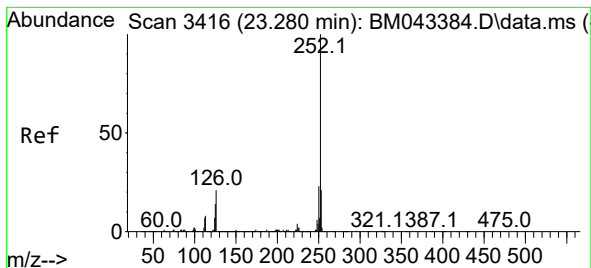
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 14.4 10.4 15.6





#91

Benzo(k)fluoranthene

Concen: 1.676 ng/ul

RT: 23.274 min Scan# 3416

Delta R.T. 0.006 min

Lab File: BM043396.D

Acq: 18 Dec 2023 16:55

Instrument :

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ClientSampleId :

DCLF3DL

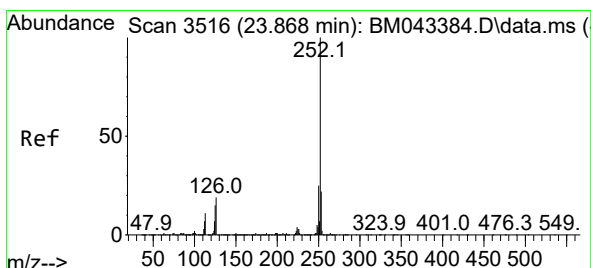
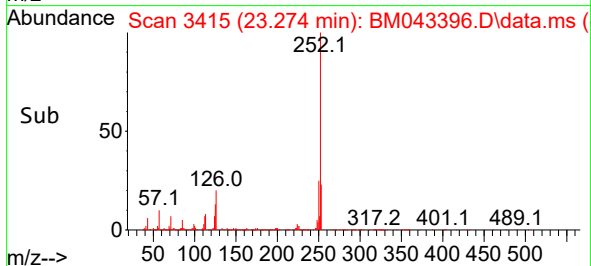
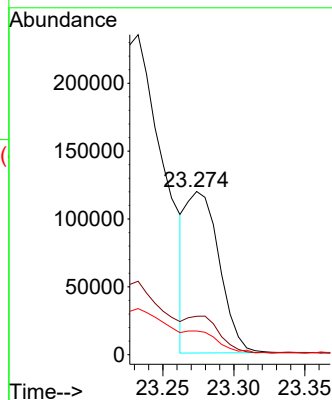
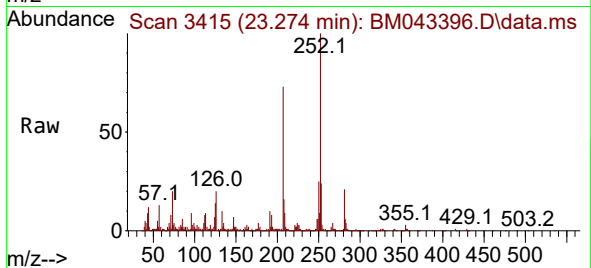
Tgt Ion:252 Resp: 192013

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 14.5 10.2 15.4



#93

Benzo(a)pyrene

Concen: 2.734 ng/ul

RT: 23.862 min Scan# 3515

Delta R.T. 0.012 min

Lab File: BM043396.D

Acq: 18 Dec 2023 16:55

Tgt Ion:252 Resp: 293005

Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

125 13.4 11.4 17.2

