

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043392.D
 Acq On : 18 Dec 2023 14:29
 Operator : MA/JU
 Sample : 05626-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLF5

Quant Time: Dec 19 00:27:56 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)

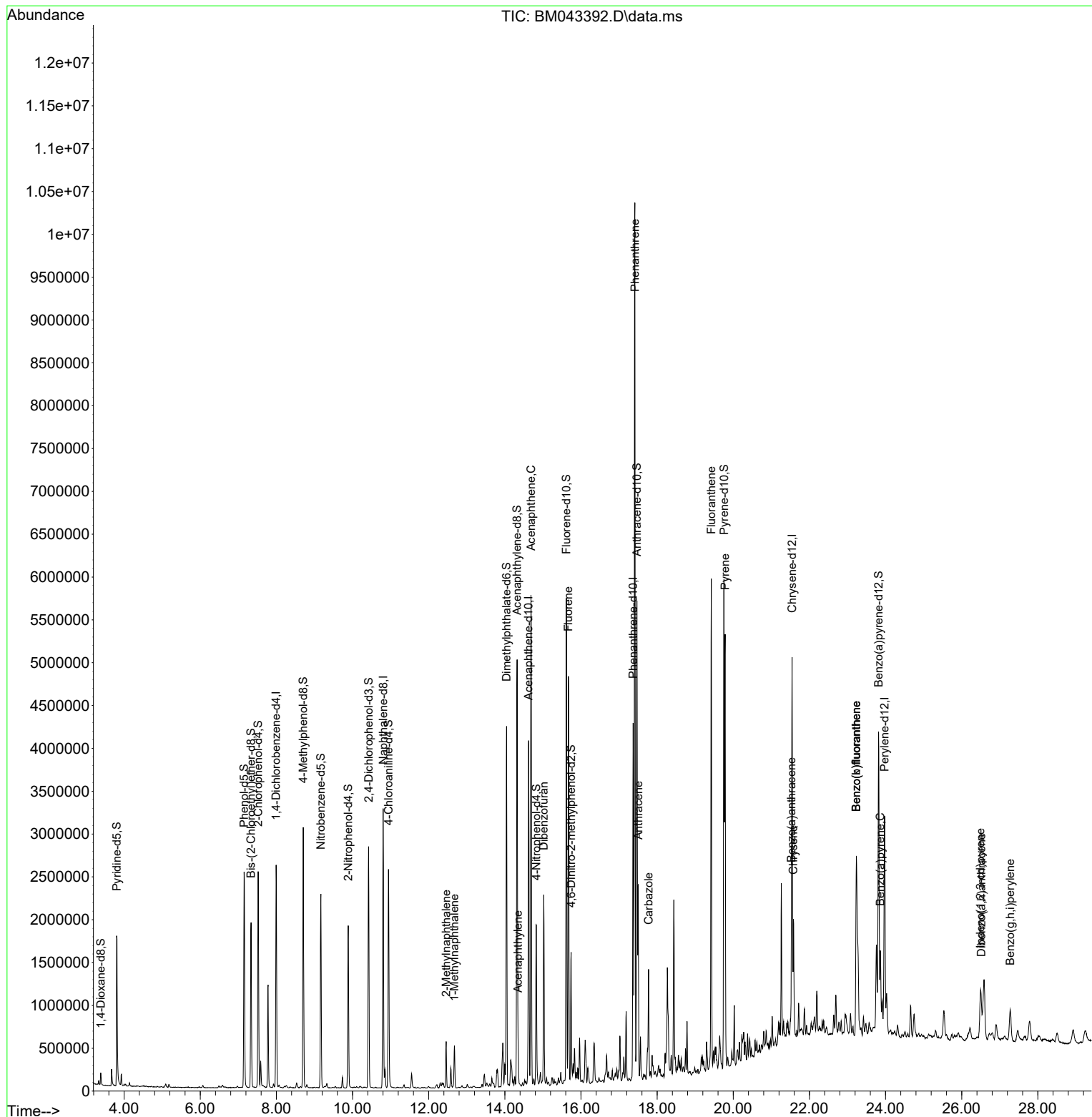
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	624238	20.000	ng/ul	0.00
20) Naphthalene-d8	10.804	136	2638135	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.621	164	1335472	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.368	188	2252575	20.000	ng/ul	0.00
79) Chrysene-d12	21.544	240	1595450	20.000	ng/ul	0.00
88) Perylene-d12	23.974	264	1799977	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	64769	3.372	ng/uL	0.00
4) Pyridine-d5	3.804	84	933178	16.881	ng/ul	0.00
7) Phenol-d5	7.151	99	1393734	19.627	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	875523	19.468	ng/ul	0.00
11) 2-Chlorophenol-d4	7.522	132	1047341	19.317	ng/ul	0.00
15) 4-Methylphenol-d8	8.704	113	1092100	19.819	ng/ul	0.00
21) Nitrobenzene-d5	9.169	128	533345	20.896	ng/ul	0.00
24) 2-Nitrophenol-d4	9.886	143	563334	21.360	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	934251	20.067	ng/ul	0.00
31) 4-Chloroaniline-d4	10.945	131	1318653	19.253	ng/ul	0.00
46) Dimethylphthalate-d6	14.045	166	2529631	21.042	ng/ul	0.00
49) Acenaphthylene-d8	14.321	160	3110028	21.807	ng/ul	0.00
54) 4-Nitrophenol-d4	14.827	143	403846	17.748	ng/ul	0.00
60) Fluorene-d10	15.615	176	2089795	21.022	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	246873	16.571	ng/ul	0.00
73) Anthracene-d10	17.468	188	2674493	21.171	ng/ul	0.00
81) Pyrene-d10	19.756	212	2608709	20.711	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.815	264	2380866	21.435	ng/ul	0.01
Target Compounds						
					Qvalue	
36) 2-Methylnaphthalene	12.457	142	246331	2.152	ng/ul	99
37) 1-Methylnaphthalene	12.674	142	221472	1.919	ng/ul	98
50) Acenaphthylene	14.345	152	229730	1.403	ng/ul	98
52) Acenaphthene	14.686	153	2244429	20.794	ng/ul	98
56) Dibenzofuran	15.021	168	1243614	8.921	ng/ul	99
61) Fluorene	15.668	166	2047742	17.195	ng/ul	99
72) Phenanthrene	17.415	178	5931488	38.851	ng/ul	99
74) Anthracene	17.504	178	1389374	9.017	ng/ul	100
77) Carbazole	17.774	167	715396	5.440	ng/ul	99
80) Fluoranthene	19.421	202	3068844	19.674	ng/ul	99
82) Pyrene	19.786	202	2777558	17.321	ng/ul	100
85) Benzo(a)anthracene	21.527	228	462274	3.465	ng/ul	95
87) Chrysene	21.580	228	816806	6.806	ng/ul	98
90) Benzo(b)fluoranthene	23.233	252	1684146	12.210	ng/ul	97
91) Benzo(k)fluoranthene	23.233	252	1684146	12.518	ng/ul	97
93) Benzo(a)pyrene	23.862	252	657827	5.227	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.491	276	543358	3.616	ng/ul	97
95) Dibenzo(a,h)anthracene	26.515	278	130924	1.052	ng/ul#	89
96) Benzo(g,h,i)perylene	27.273	276	458146	3.889	ng/ul	99

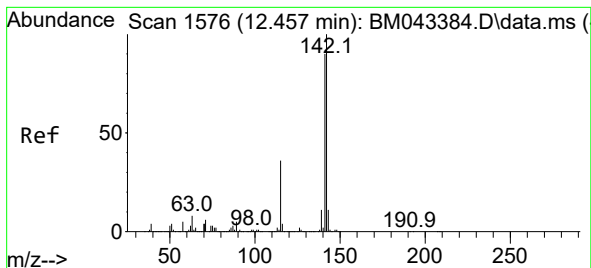
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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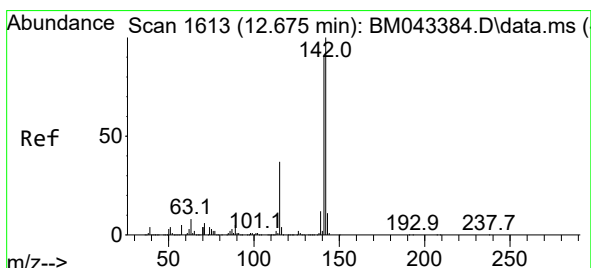
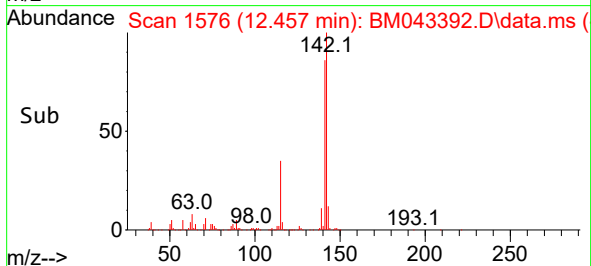
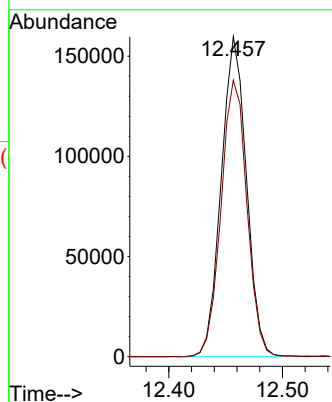
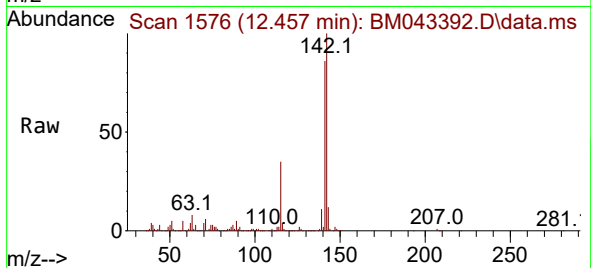




#36
2-Methylnaphthalene
Concen: 2.152 ng/ul
RT: 12.457 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29

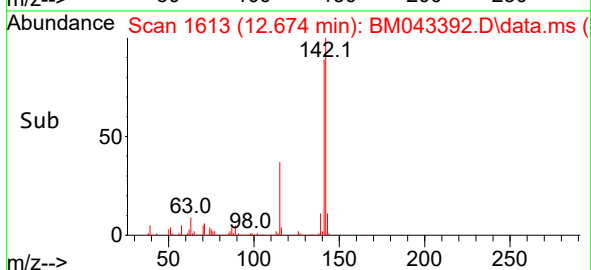
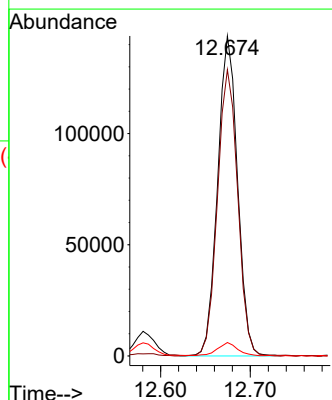
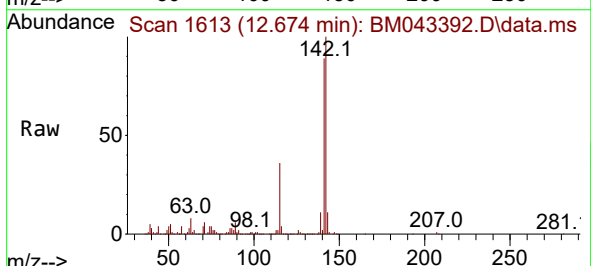
Instrument :
BNA_M
ClientSampleId :
DCLF5

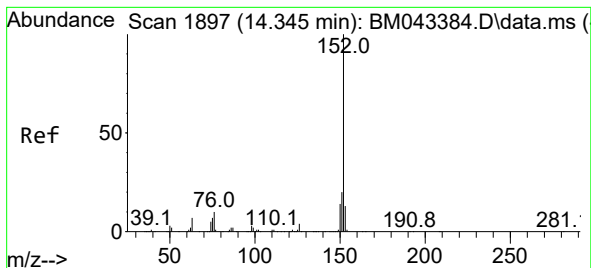
Tgt Ion:142 Resp: 246331
Ion Ratio Lower Upper
142 100
141 86.4 69.9 104.9



#37
1-Methylnaphthalene
Concen: 1.919 ng/ul
RT: 12.674 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29

Tgt Ion:142 Resp: 221472
Ion Ratio Lower Upper
142 100
141 89.5 73.0 109.4
116 4.2 3.0 4.6





#50

Acenaphthylene

Concen: 1.403 ng/ul

RT: 14.345 min Scan# 1897

Delta R.T. -0.006 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

Instrument :

BNA_M

ClientSampleId :

DCLF5

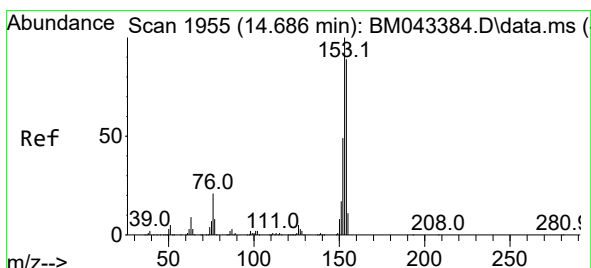
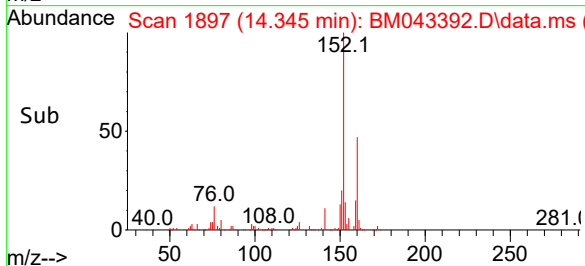
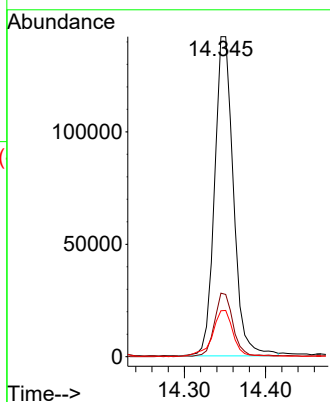
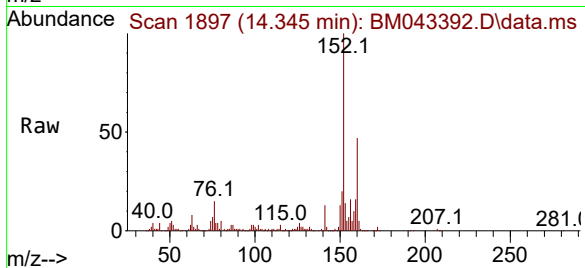
Tgt Ion:152 Resp: 229730

Ion Ratio Lower Upper

152 100

151 19.9 15.6 23.4

153 14.4 10.2 15.4



#52

Acenaphthene

Concen: 20.794 ng/ul

RT: 14.686 min Scan# 1955

Delta R.T. -0.000 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

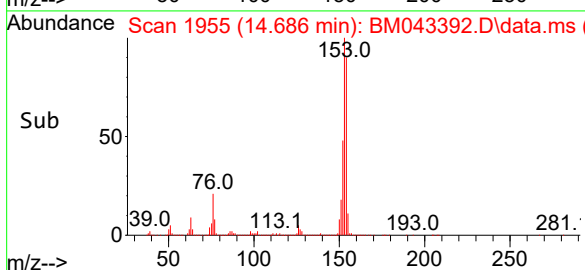
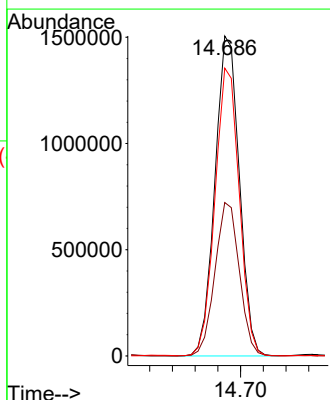
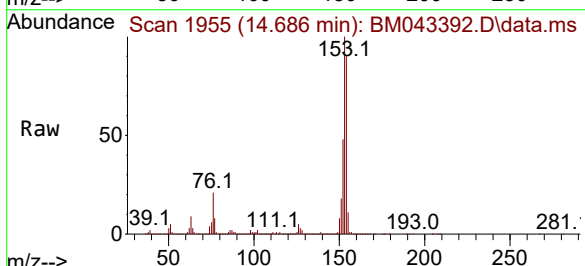
Tgt Ion:153 Resp: 2244429

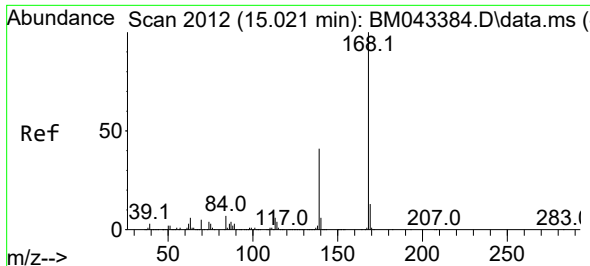
Ion Ratio Lower Upper

153 100

152 48.0 38.1 57.1

154 89.9 70.4 105.6

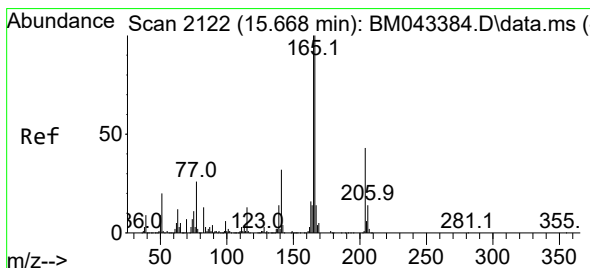
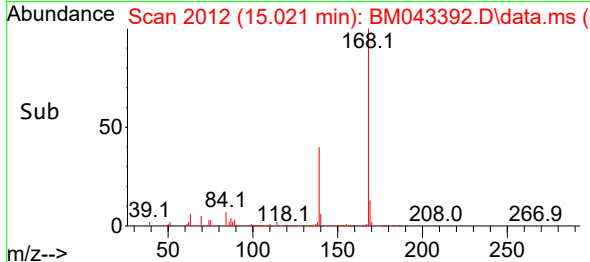
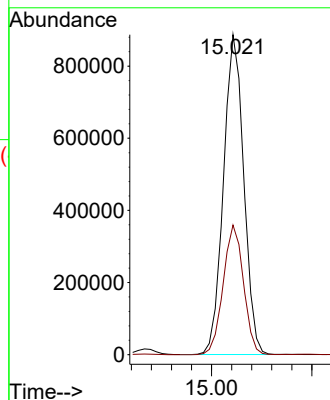
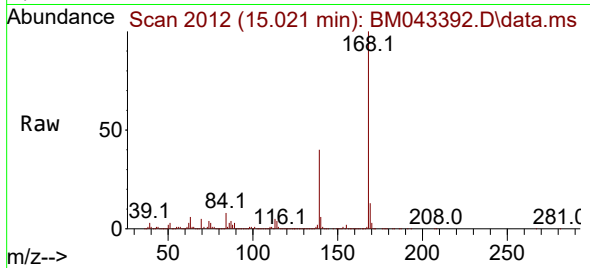




#56
Dibenzenofuran
Concen: 8.921 ng/ul
RT: 15.021 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29

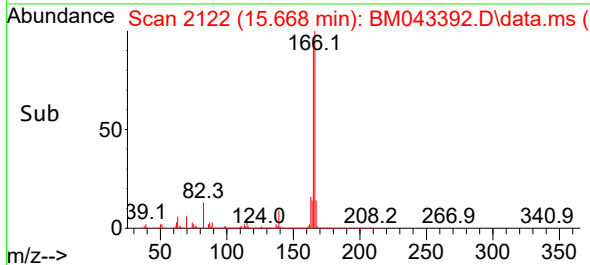
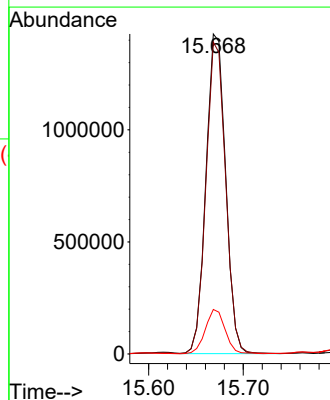
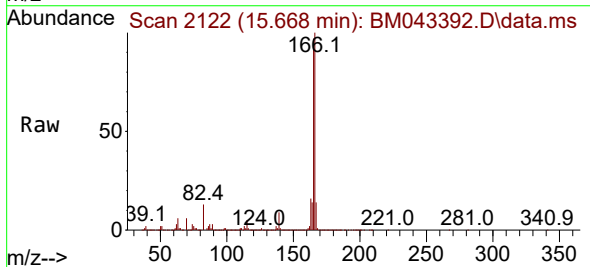
Instrument :
BNA_M
ClientSampleId :
DCLF5

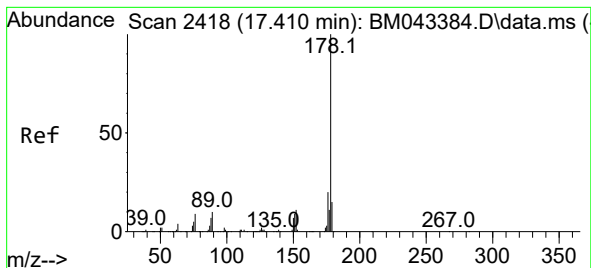
Tgt Ion:168 Resp: 1243614
Ion Ratio Lower Upper
168 100
139 40.5 31.8 47.8



#61
Fluorene
Concen: 17.195 ng/ul
RT: 15.668 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29

Tgt Ion:166 Resp: 2047742
Ion Ratio Lower Upper
166 100
165 97.5 76.9 115.3
167 13.9 10.9 16.3





#72

Phenanthrene

Concen: 38.851 ng/ul

RT: 17.415 min Scan# 2418

Delta R.T. 0.006 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

Instrument :

BNA_M

ClientSampleId :

DCLF5

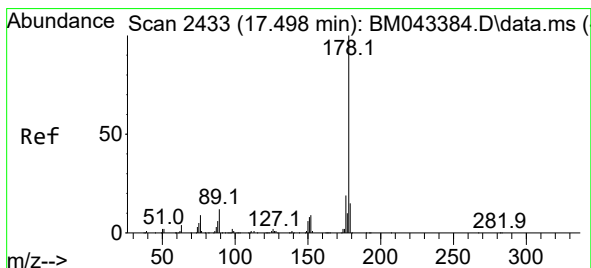
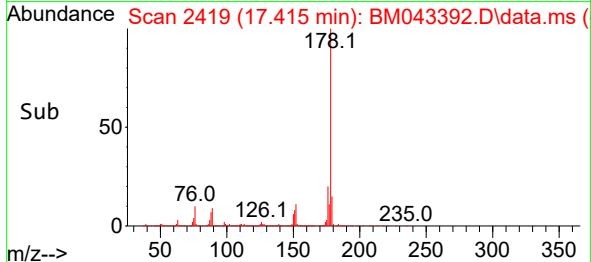
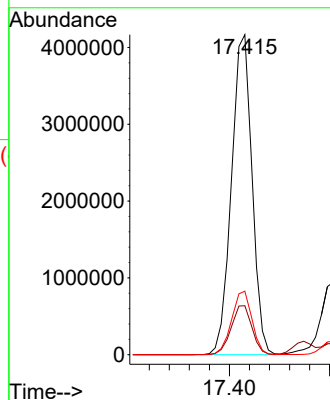
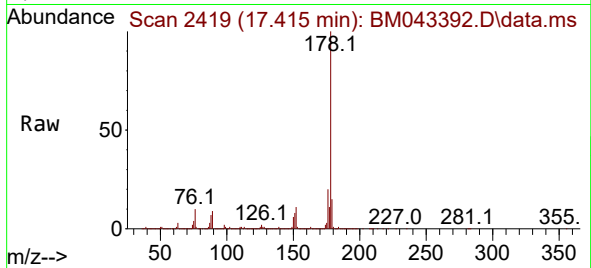
Tgt Ion:178 Resp: 5931488

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

176 19.9 15.5 23.3



#74

Anthracene

Concen: 9.017 ng/ul

RT: 17.504 min Scan# 2434

Delta R.T. 0.006 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

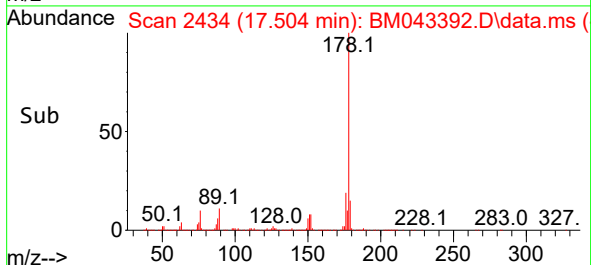
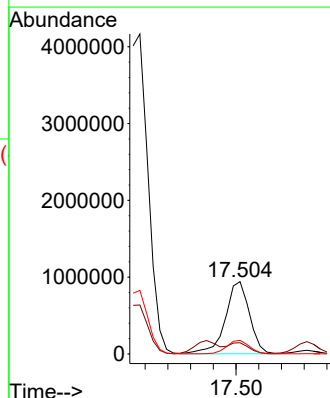
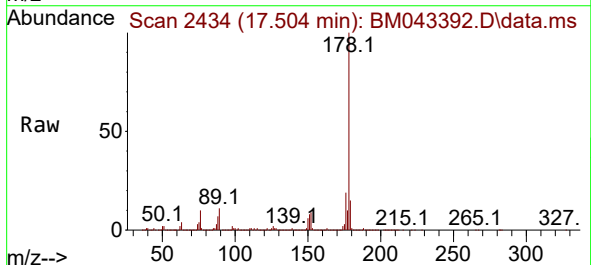
Tgt Ion:178 Resp: 1389374

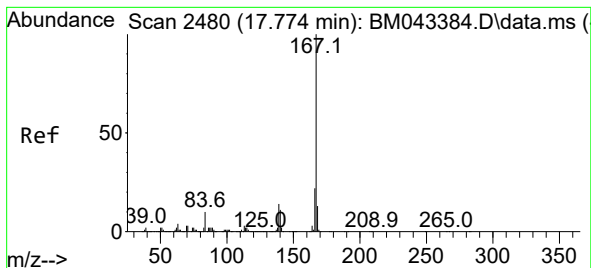
Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 18.9 15.2 22.8





#77

Carbazole

Concen: 5.440 ng/ul

RT: 17.774 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

Instrument :

BNA_M

ClientSampleId :

DCLF5

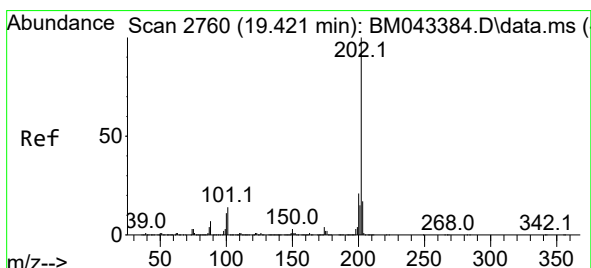
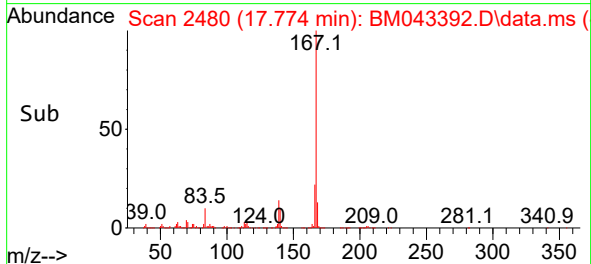
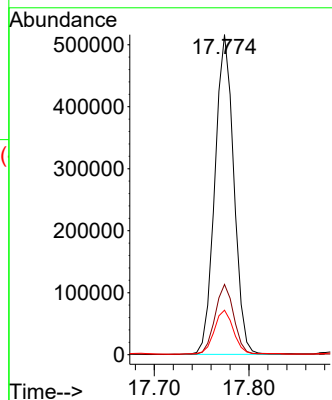
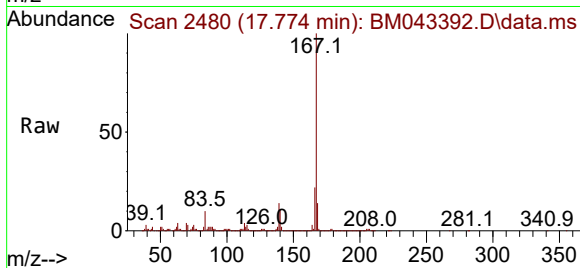
Tgt Ion:167 Resp: 715396

Ion Ratio Lower Upper

167 100

166 22.0 17.3 25.9

139 13.9 10.7 16.1



#80

Fluoranthene

Concen: 19.674 ng/ul

RT: 19.421 min Scan# 2760

Delta R.T. 0.006 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

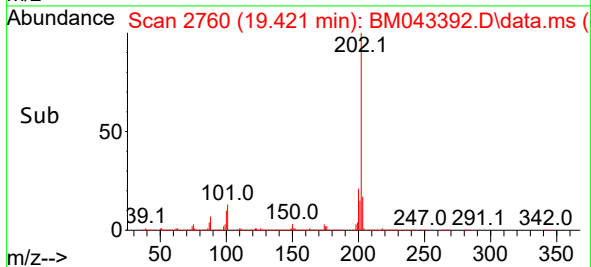
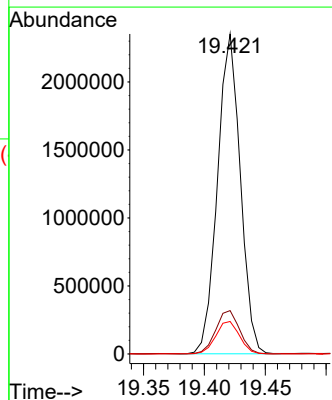
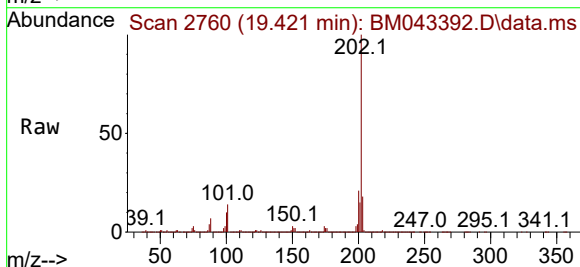
Tgt Ion:202 Resp: 3068844

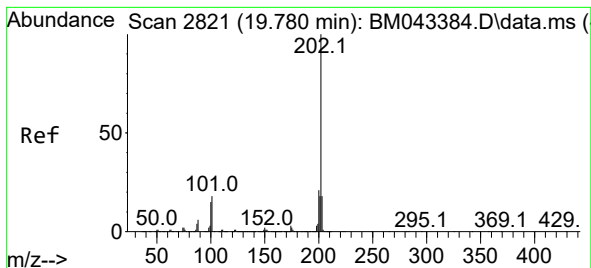
Ion Ratio Lower Upper

202 100

101 13.5 11.4 17.0

100 10.2 8.2 12.4





#82

Pyrene

Concen: 17.321 ng/ul

RT: 19.786 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

Instrument :

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ClientSampleId :

DCLF5

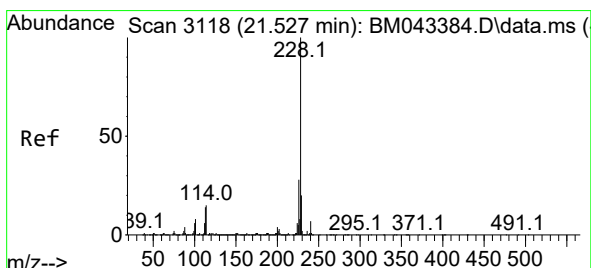
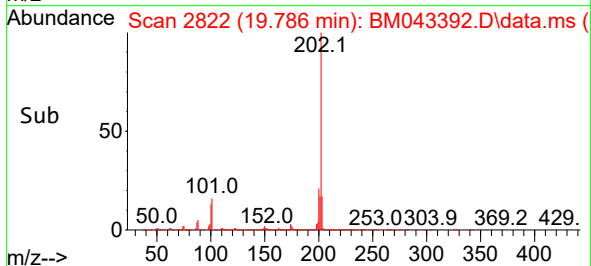
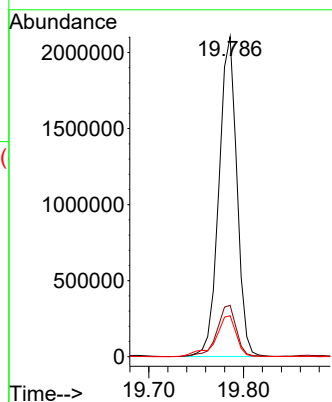
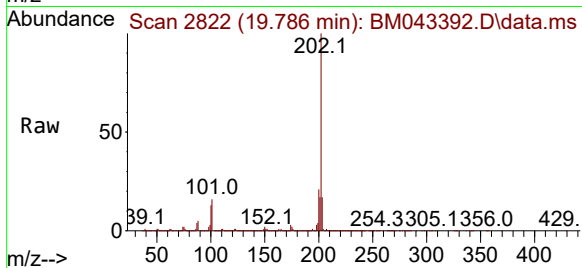
Tgt Ion:202 Resp: 2777558

Ion Ratio Lower Upper

202 100

101 16.1 12.7 19.1

100 12.8 10.1 15.1



#85

Benzo(a)anthracene

Concen: 3.465 ng/ul

RT: 21.527 min Scan# 3118

Delta R.T. 0.006 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

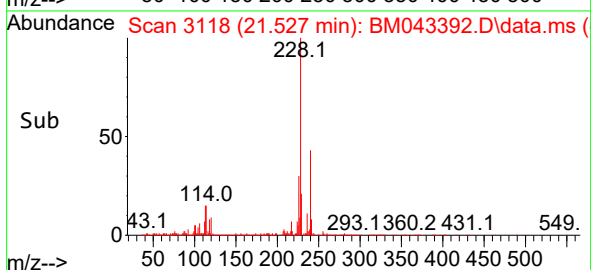
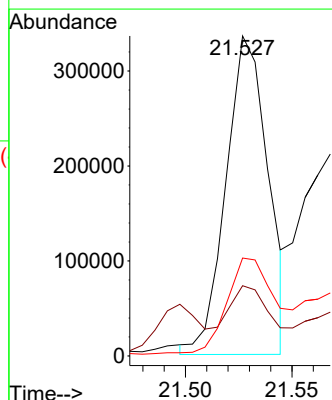
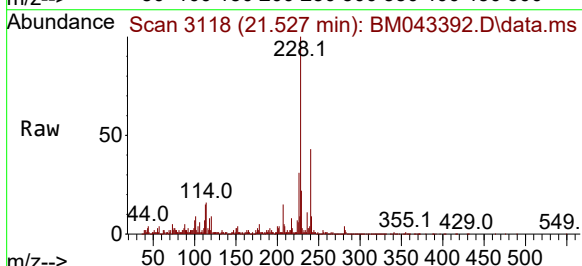
Tgt Ion:228 Resp: 462274

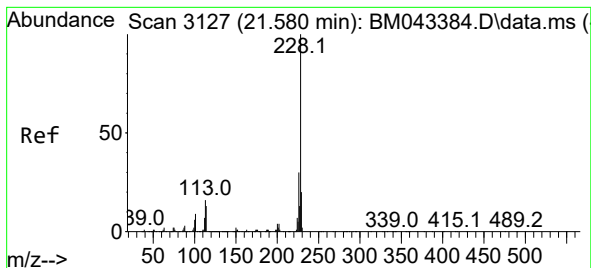
Ion Ratio Lower Upper

228 100

229 22.0 15.6 23.4

226 30.6 22.2 33.2





#87

Chrysene

Concen: 6.806 ng/ul

RT: 21.580 min Scan# 3127

Delta R.T. 0.006 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

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DCLF5

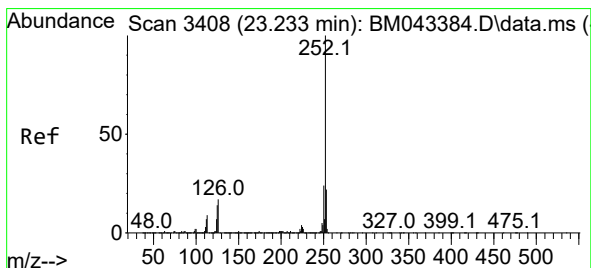
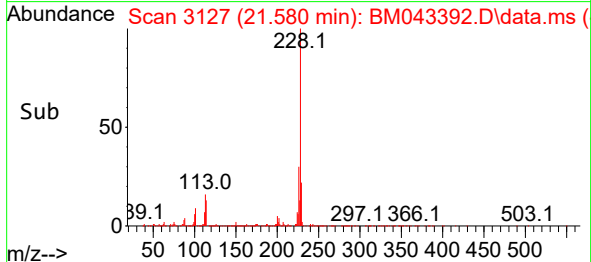
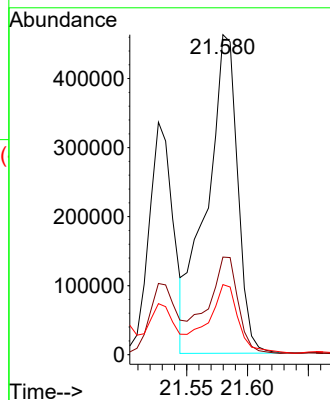
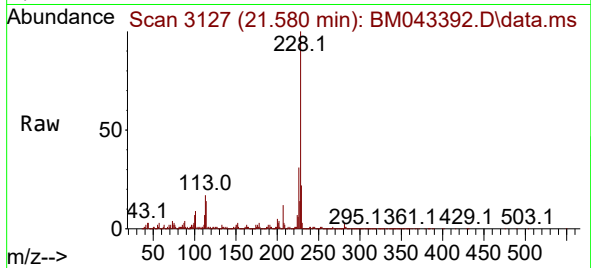
Tgt Ion:228 Resp: 816806

Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.2

229 21.9 15.9 23.9



#90

Benzo(b)fluoranthene

Concen: 12.210 ng/ul

RT: 23.233 min Scan# 3408

Delta R.T. 0.012 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

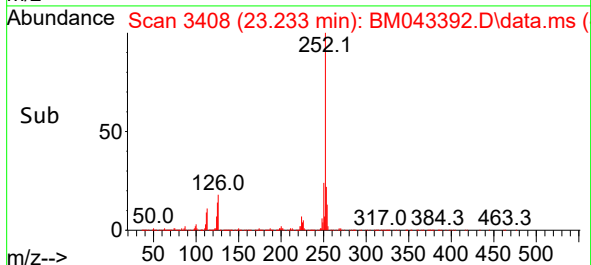
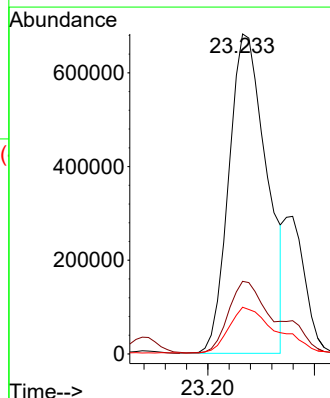
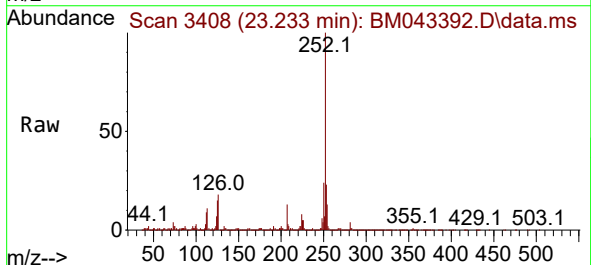
Tgt Ion:252 Resp: 1684146

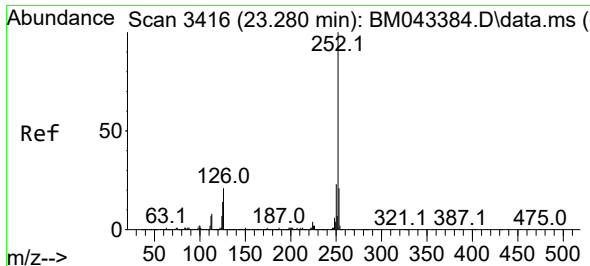
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 14.6 10.4 15.6

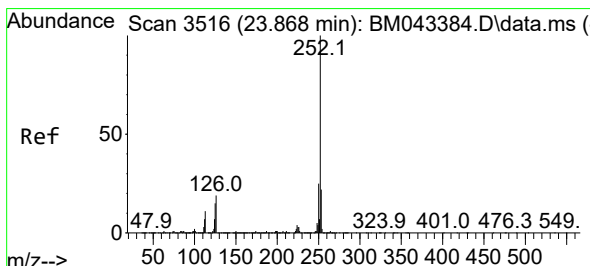
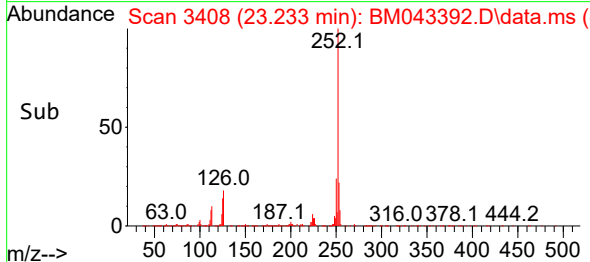
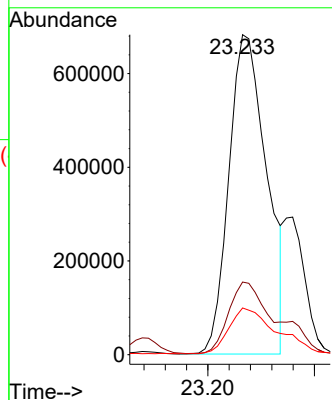
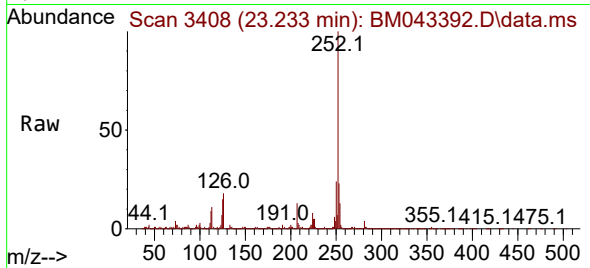




#91
Benzo(k)fluoranthene
Concen: 12.518 ng/ul
RT: 23.233 min Scan# 3416
Delta R.T. -0.035 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29

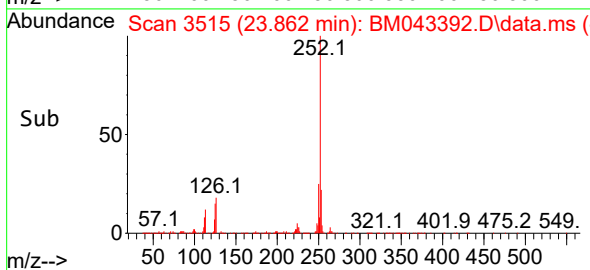
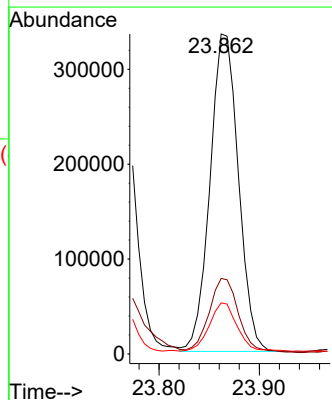
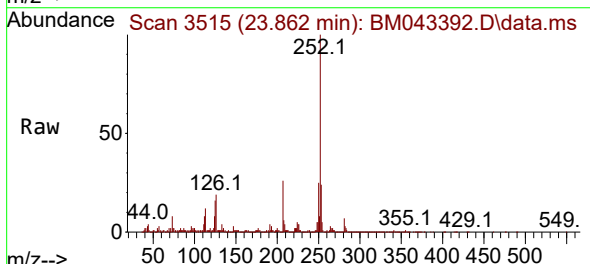
Instrument :
BNA_M
ClientSampleId :
DCLF5

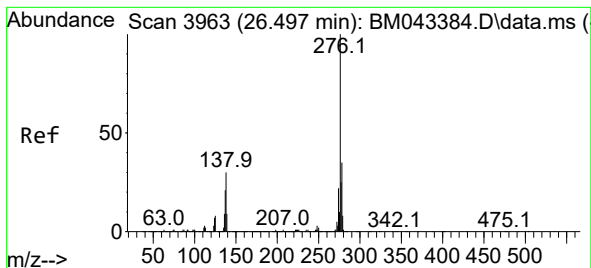
Tgt Ion:252 Resp: 1684146
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 14.6 10.2 15.4



#93
Benzo(a)pyrene
Concen: 5.227 ng/ul
RT: 23.862 min Scan# 3515
Delta R.T. 0.012 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29

Tgt Ion:252 Resp: 657827
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 16.0 11.4 17.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.616 ng/ul

RT: 26.491 min Scan# 3963

Delta R.T. 0.012 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

Instrument :

BNA_M

ClientSampleId :

DCLF5

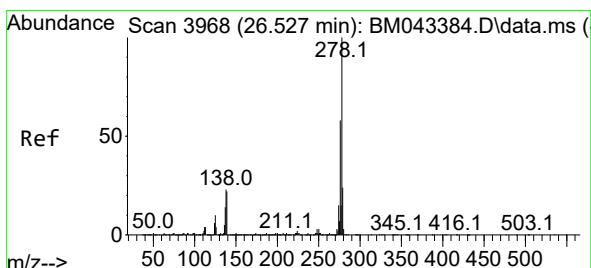
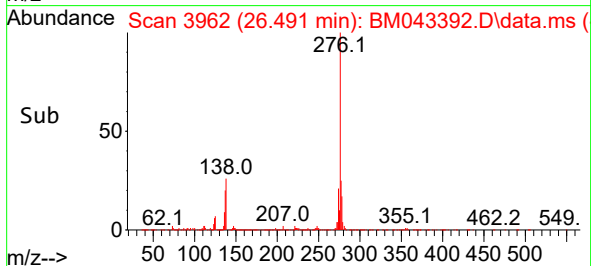
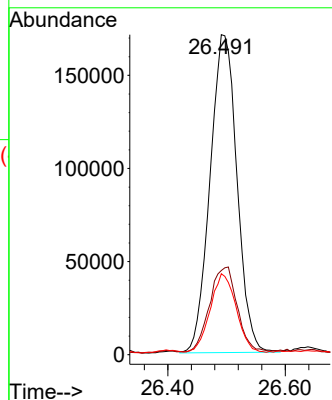
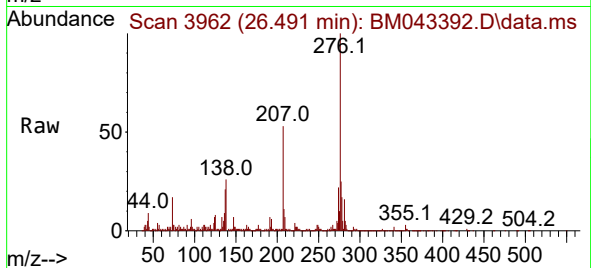
Tgt Ion:276 Resp: 543358

Ion Ratio Lower Upper

276 100

138 26.3 22.6 34.0

277 25.3 19.7 29.5



#95

Dibenzo(a,h)anthracene

Concen: 1.052 ng/ul

RT: 26.515 min Scan# 3966

Delta R.T. 0.012 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

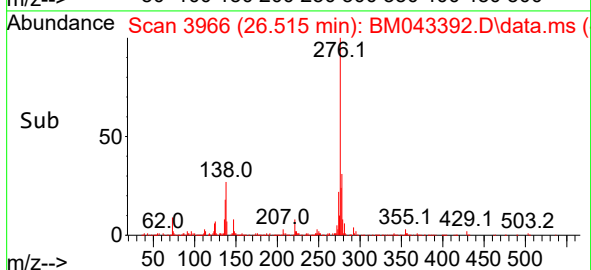
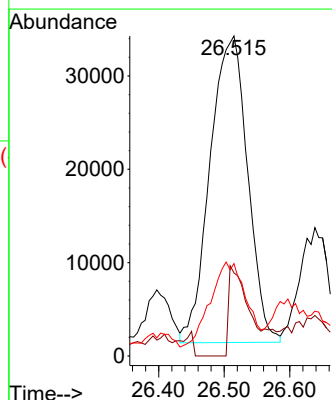
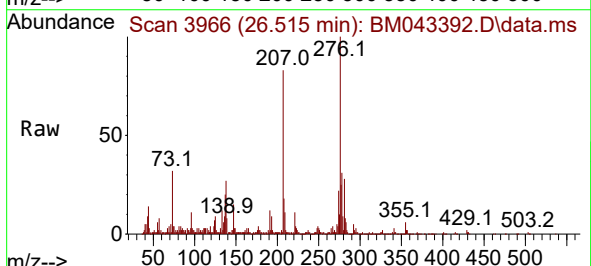
Tgt Ion:278 Resp: 130924

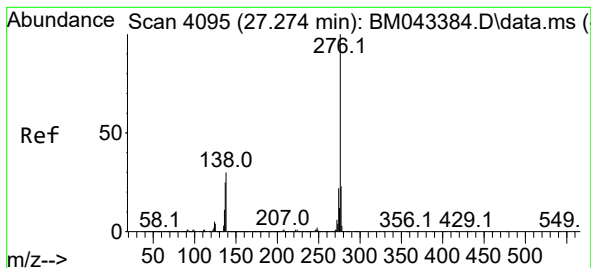
Ion Ratio Lower Upper

278 100

139 26.0 16.0 24.0#

279 28.8 19.4 29.0





#96

Benzo(g,h,i)perylene

Concen: 3.889 ng/ul

RT: 27.273 min Scan# 4095

Delta R.T. 0.023 min

Lab File: BM043392.D

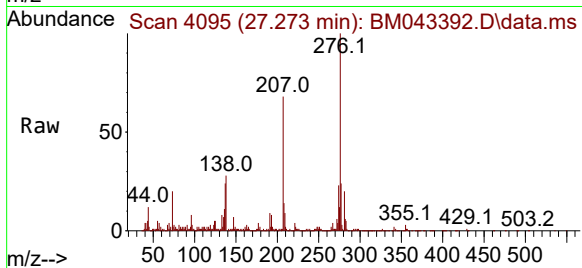
Acq: 18 Dec 2023 14:29

Instrument :

BNA_M

ClientSampleId :

DCLF5



Tgt Ion:276 Resp: 458146

Ion Ratio Lower Upper

276 100

138 28.5 22.4 33.6

277 23.7 19.1 28.7

