

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043388.D
 Acq On : 18 Dec 2023 12:03
 Operator : MA/JU
 Sample : 05626-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLF3

Quant Time: Dec 19 00:26:21 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	416319	20.000	ng/ul	0.00
20) Naphthalene-d8	10.804	136	1783867	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.621	164	930273	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.368	188	1609321	20.000	ng/ul	0.00
79) Chrysene-d12	21.550	240	1234365	20.000	ng/ul	0.01
88) Perylene-d12	23.974	264	1345507	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	67135	5.241	ng/uL	0.00
4) Pyridine-d5	3.804	84	1004418	27.244	ng/ul	0.00
7) Phenol-d5	7.151	99	1437725	30.358	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	930541	31.024	ng/ul	0.00
11) 2-Chlorophenol-d4	7.522	132	1103869	30.527	ng/ul	0.00
15) 4-Methylphenol-d8	8.704	113	1116625	30.384	ng/ul	0.00
21) Nitrobenzene-d5	9.169	128	556710	32.256	ng/ul	0.00
24) 2-Nitrophenol-d4	9.886	143	588360	32.993	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	966150	30.691	ng/ul	0.00
31) 4-Chloroaniline-d4	10.945	131	1400087	30.231	ng/ul	0.00
46) Dimethylphthalate-d6	14.045	166	2588551	30.910	ng/ul	0.00
49) Acenaphthylene-d8	14.321	160	3210552	32.318	ng/ul	0.00
54) 4-Nitrophenol-d4	14.827	143	429988	27.128	ng/ul	0.00
60) Fluorene-d10	15.615	176	2184370	31.544	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	268717	25.247	ng/ul	0.01
73) Anthracene-d10	17.474	188	2860385	31.692	ng/ul	0.01
81) Pyrene-d10	19.756	212	3033646	31.130	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.821	264	2714096	32.688	ng/ul	0.02
Target Compounds						Qvalue
30) Naphthalene	10.851	128	533715	4.694	ng/ul	100
36) 2-Methylnaphthalene	12.457	142	617028	7.973	ng/ul	98
37) 1-Methylnaphthalene	12.674	142	424801	5.442	ng/ul	100
43) 1,1'-Biphenyl	13.463	154	171948	1.939	ng/ul	99
50) Acenaphthylene	14.351	152	271580	2.381	ng/ul#	96
52) Acenaphthene	14.692	153	3604976	47.947	ng/ul	99
56) Dibenzofuran	15.021	168	3763774	38.761	ng/ul	100
61) Fluorene	15.674	166	4059563	48.936	ng/ul	99
63) 4-Nitroaniline	15.674	138	47161	2.807	ng/ul#	17
72) Phenanthrene	17.562	178	140921	1.292	ng/ul#	1
74) Anthracene	17.562	178	145518	1.322	ng/ul#	1
77) Carbazole	17.780	167	2144502	22.826	ng/ul	100
82) Pyrene	19.786	202	15470694	124.698	ng/ul	97
85) Benzo(a)anthracene	21.533	228	4437326	42.990	ng/ul	98
87) Chrysene	21.586	228	4742304	51.071	ng/ul	98
90) Benzo(b)fluoranthene	23.239	252	2898452	28.110	ng/ul	98
91) Benzo(k)fluoranthene	23.280	252	992269	9.867	ng/ul	97
93) Benzo(a)pyrene	23.868	252	1520044	16.158	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.503	276	589654	5.249	ng/ul	99
95) Dibenzo(a,h)anthracene	26.515	278	148367	1.595	ng/ul#	92
96) Benzo(g,h,i)perylene	27.274	276	448653	5.095	ng/ul	99

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

Instrument :

BNA_M

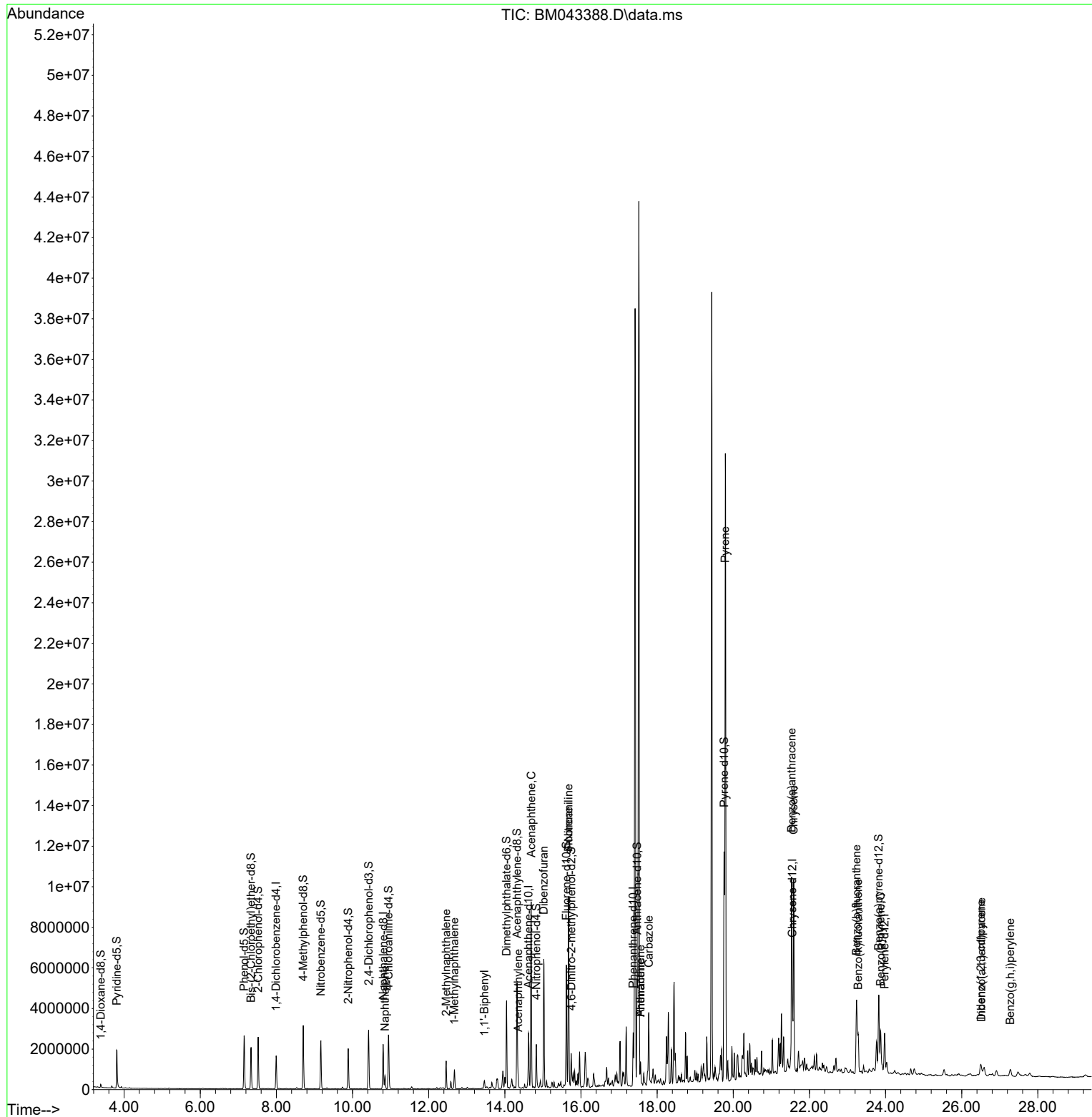
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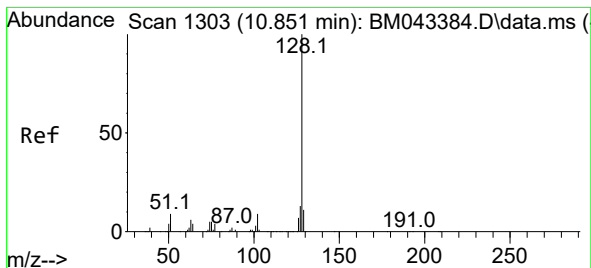
DCLF3

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#30

Naphthalene

Concen: 4.694 ng/ul

RT: 10.851 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

Instrument :

BNA_M

ClientSampleId :

DCLF3

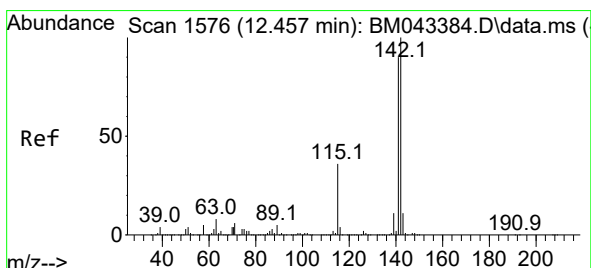
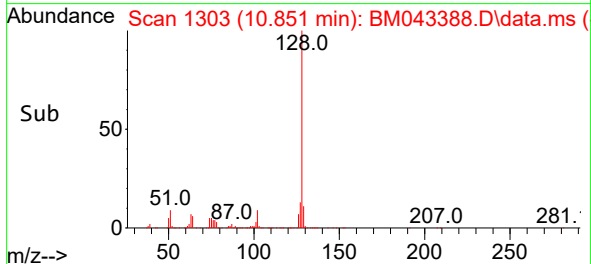
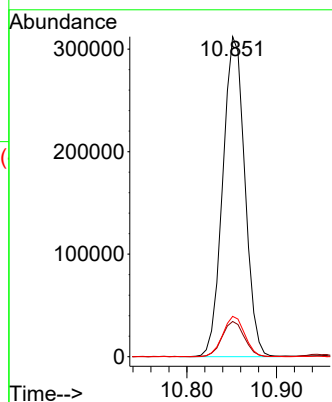
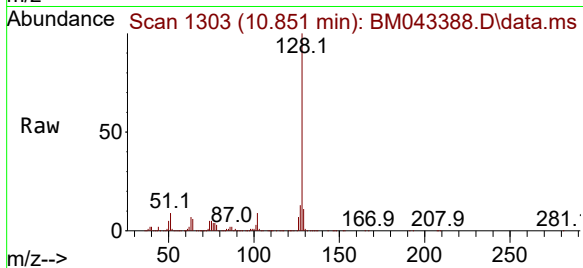
Tgt Ion:128 Resp: 533715

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 12.6 10.2 15.4



#36

2-Methylnaphthalene

Concen: 7.973 ng/ul

RT: 12.457 min Scan# 1576

Delta R.T. 0.000 min

Lab File: BM043388.D

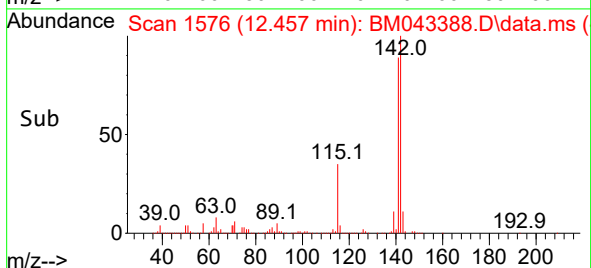
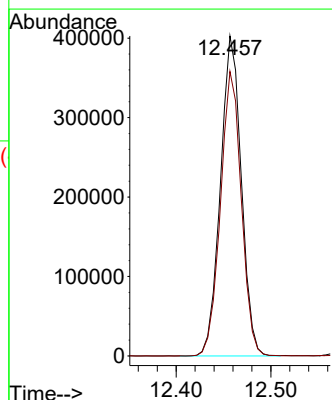
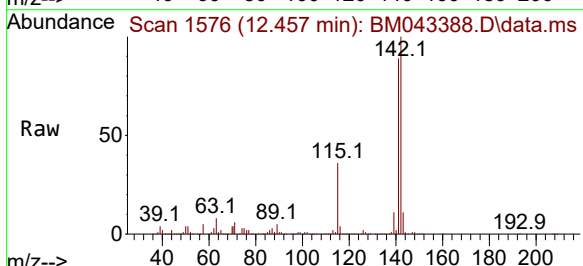
Acq: 18 Dec 2023 12:03

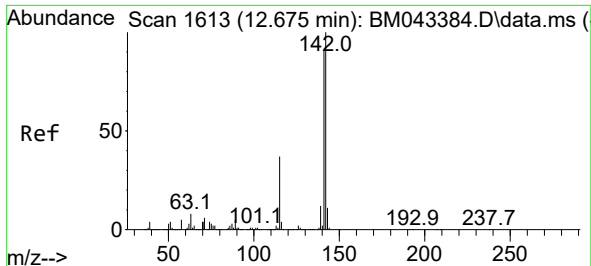
Tgt Ion:142 Resp: 617028

Ion Ratio Lower Upper

142 100

141 88.9 69.9 104.9





#37

1-Methylnaphthalene

Concen: 5.442 ng/ul

RT: 12.674 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

Instrument :

BNA_M

ClientSampleId :

DCLF3

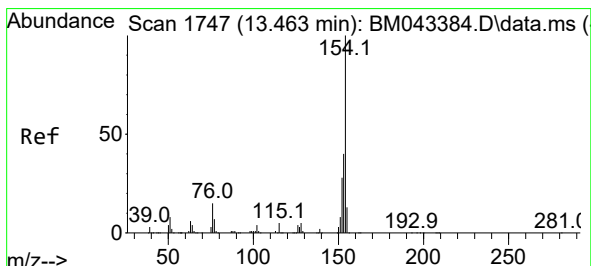
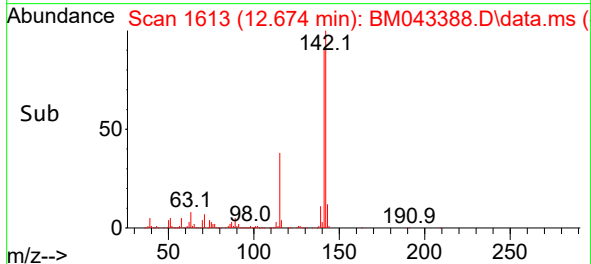
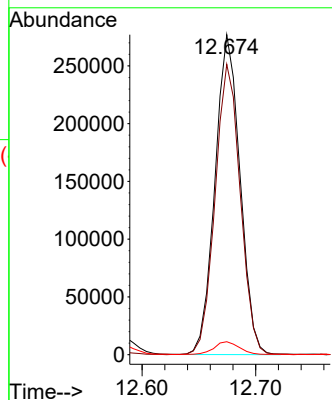
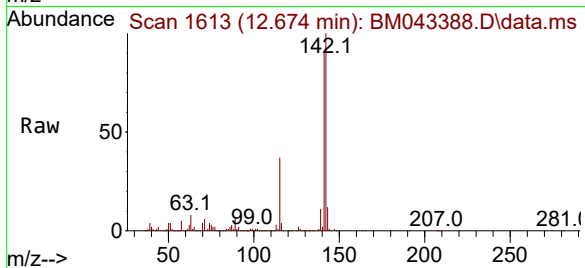
Tgt Ion:142 Resp: 424801

Ion Ratio Lower Upper

142 100

141 90.7 73.0 109.4

116 4.0 3.0 4.6



#43

1,1'-Biphenyl

Concen: 1.939 ng/ul

RT: 13.463 min Scan# 1747

Delta R.T. 0.000 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

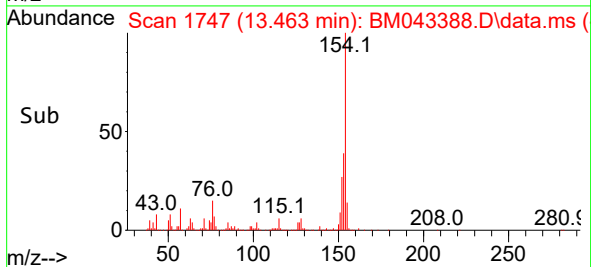
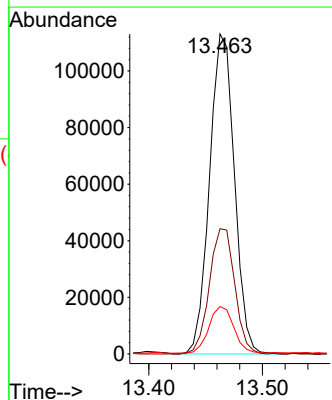
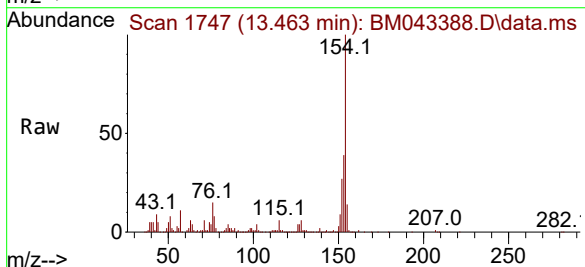
Tgt Ion:154 Resp: 171948

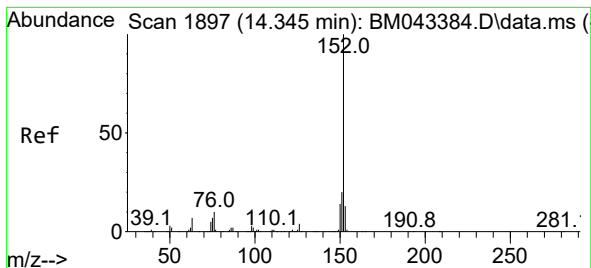
Ion Ratio Lower Upper

154 100

153 39.2 31.8 47.6

76 14.8 11.7 17.5





#50

Acenaphthylene

Concen: 2.381 ng/ul

RT: 14.351 min Scan# 1898

Delta R.T. 0.000 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

Instrument :

BNA_M

ClientSampleId :

DCLF3

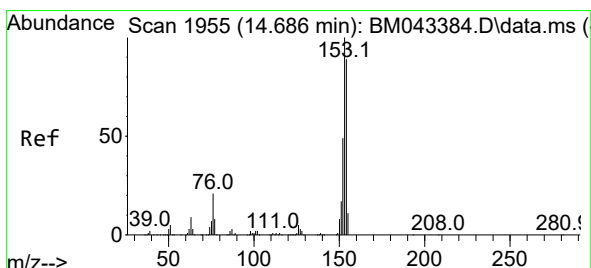
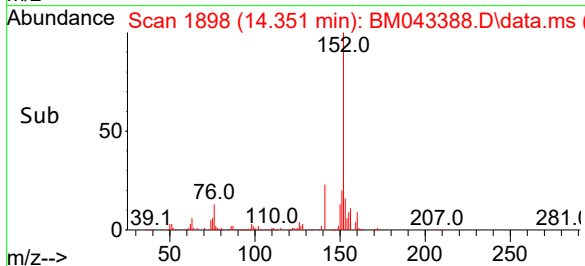
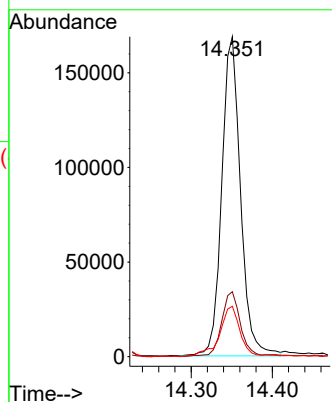
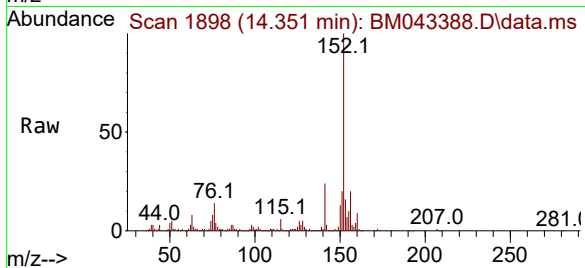
Tgt Ion:152 Resp: 271580

Ion Ratio Lower Upper

152 100

151 20.3 15.6 23.4

153 15.8 10.2 15.4#



#52

Acenaphthene

Concen: 47.947 ng/ul

RT: 14.692 min Scan# 1956

Delta R.T. 0.006 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

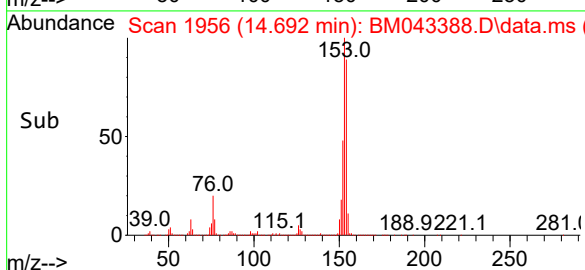
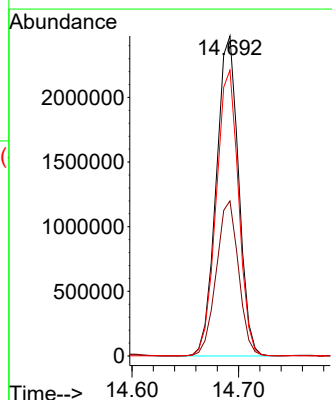
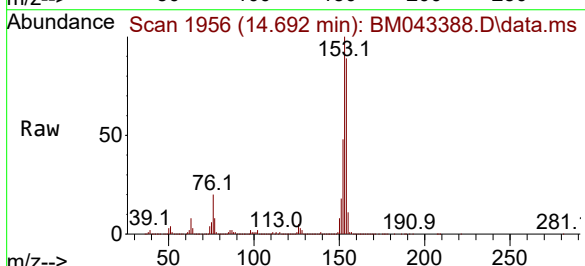
Tgt Ion:153 Resp: 3604976

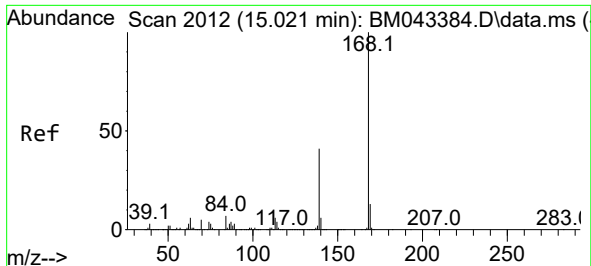
Ion Ratio Lower Upper

153 100

152 48.5 38.1 57.1

154 89.3 70.4 105.6

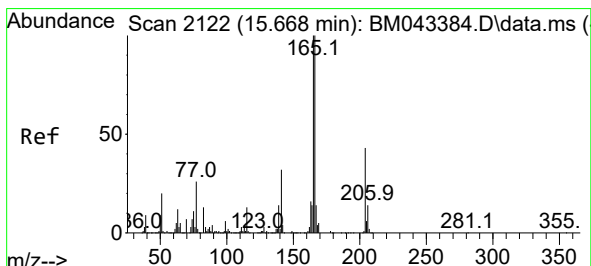
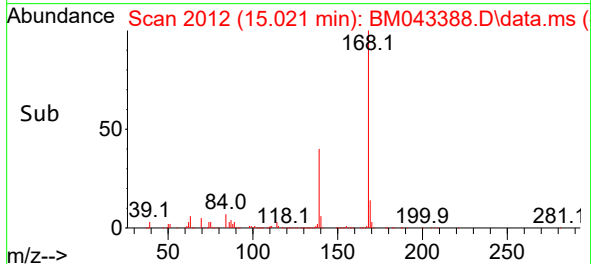
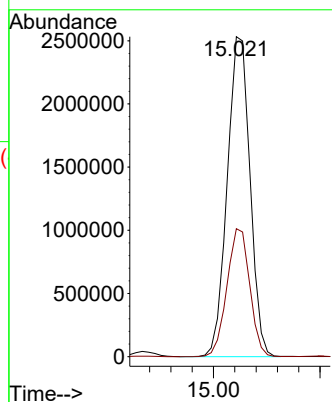
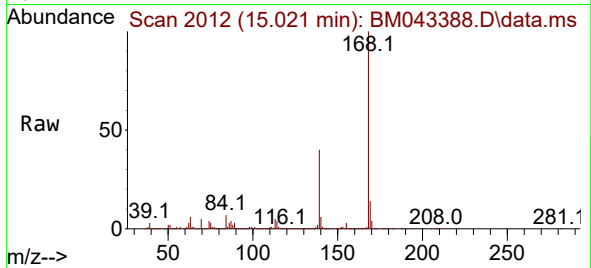




#56
Dibenzenofuran
Concen: 38.761 ng/ul
RT: 15.021 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

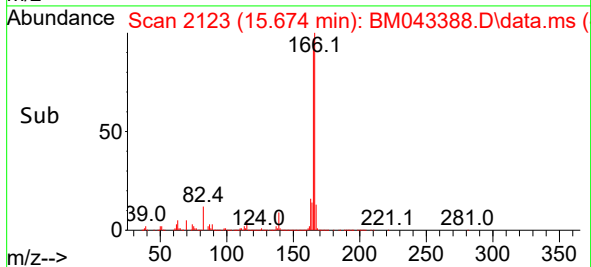
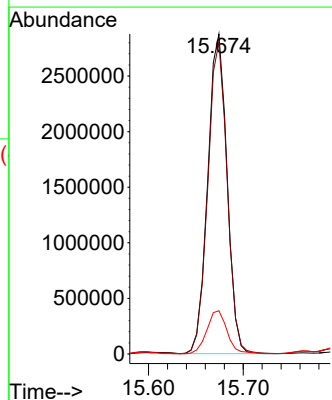
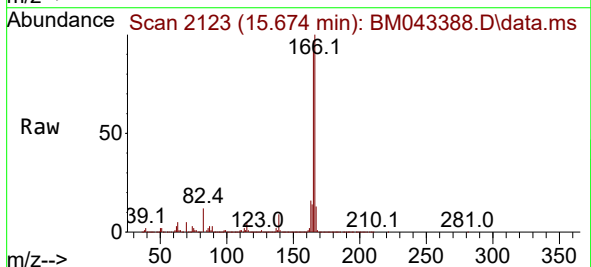
Instrument :
BNA_M
ClientSampleId :
DCLF3

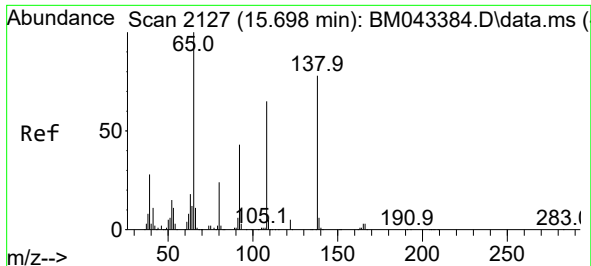
Tgt Ion:168 Resp: 3763774
Ion Ratio Lower Upper
168 100
139 40.0 31.8 47.8



#61
Fluorene
Concen: 48.936 ng/ul
RT: 15.674 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

Tgt Ion:166 Resp: 4059563
Ion Ratio Lower Upper
166 100
165 97.4 76.9 115.3
167 13.5 10.9 16.3

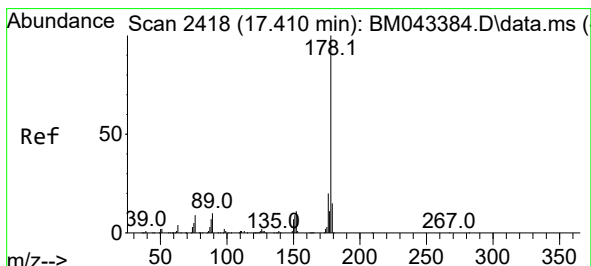
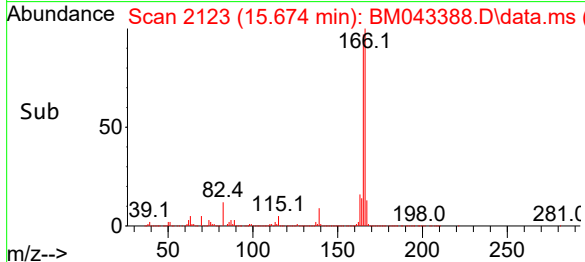
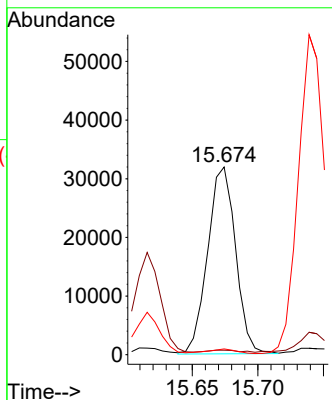
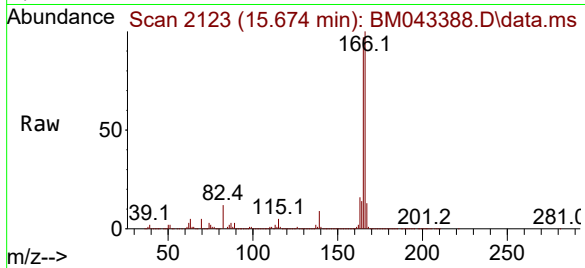




#63
4-Nitroaniline
Concen: 2.807 ng/ul
RT: 15.674 min Scan# 2127
Delta R.T. -0.024 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

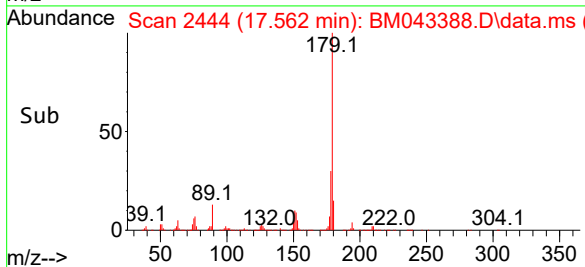
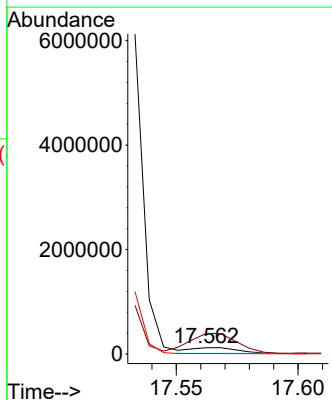
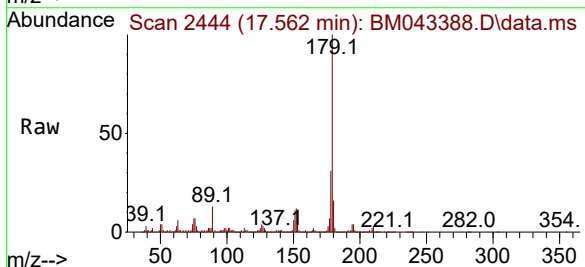
Instrument :
BNA_M
ClientSampleId :
DCLF3

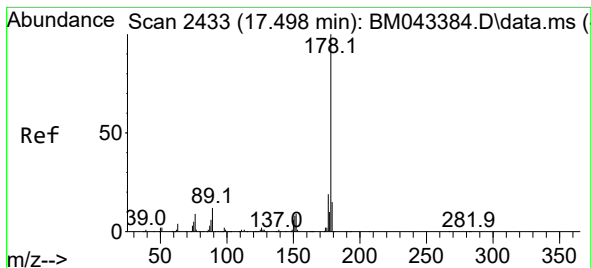
Tgt Ion:138 Resp: 47161
Ion Ratio Lower Upper
138 100
92 2.4 43.9 65.9#
108 3.1 67.0 100.6#



#72
Phenanthrene
Concen: 1.292 ng/ul
RT: 17.562 min Scan# 2444
Delta R.T. 0.153 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

Tgt Ion:178 Resp: 140921
Ion Ratio Lower Upper
178 100
179 327.1 12.2 18.4#
176 8.3 15.5 23.3#





#74

Anthracene

Concen: 1.322 ng/ul

RT: 17.562 min Scan# 24

Delta R.T. 0.065 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

Instrument :

BNA_M

ClientSampleId :

DCLF3

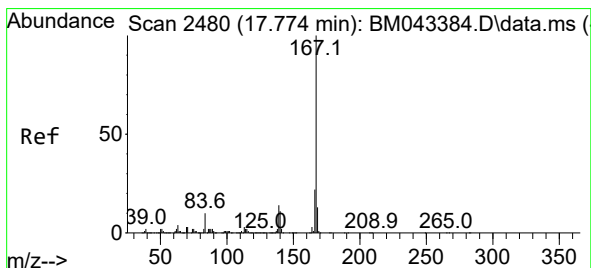
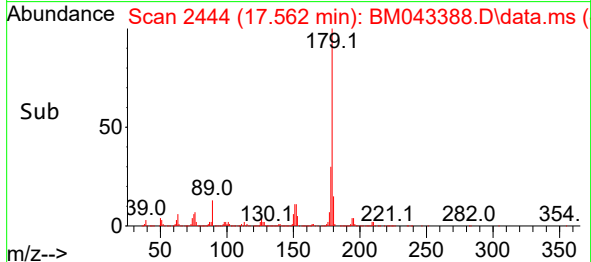
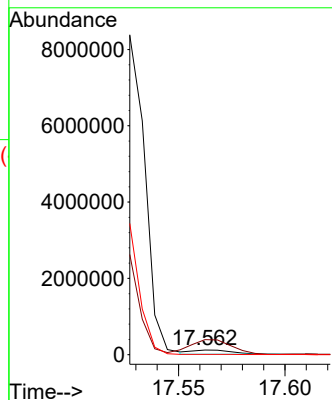
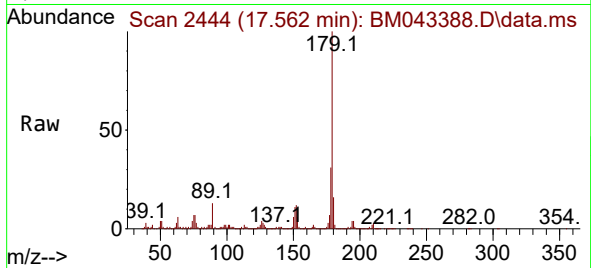
Tgt Ion:178 Resp: 145518

Ion Ratio Lower Upper

178 100

179 327.1 12.4 18.6#

176 8.3 15.2 22.8#



#77

Carbazole

Concen: 22.826 ng/ul

RT: 17.780 min Scan# 2481

Delta R.T. 0.006 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

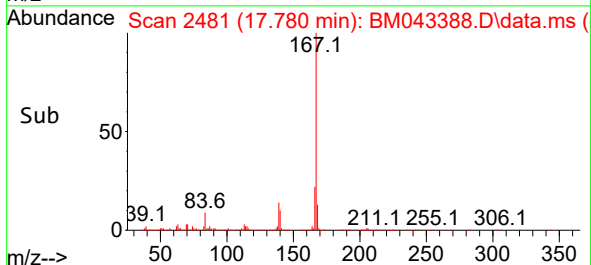
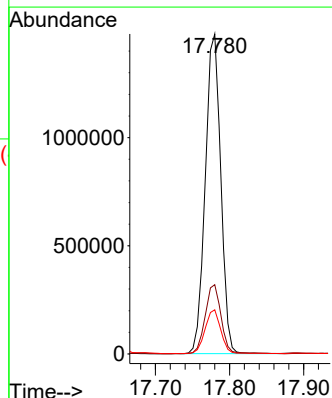
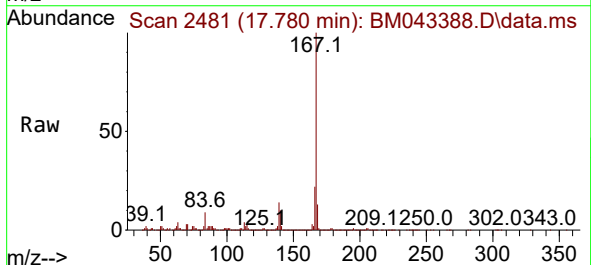
Tgt Ion:167 Resp: 2144502

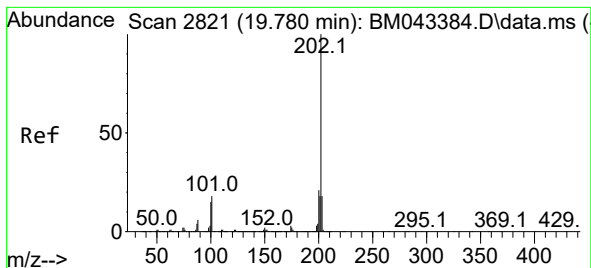
Ion Ratio Lower Upper

167 100

166 21.7 17.3 25.9

139 13.8 10.7 16.1





#82

Pyrene

Concen: 124.698 ng/ul

RT: 19.786 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

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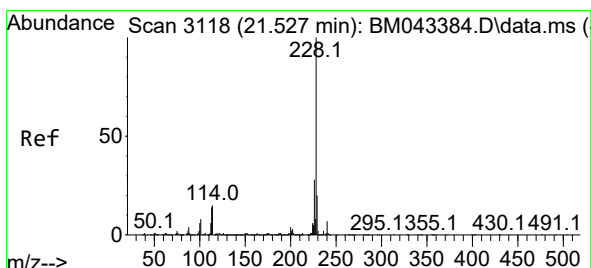
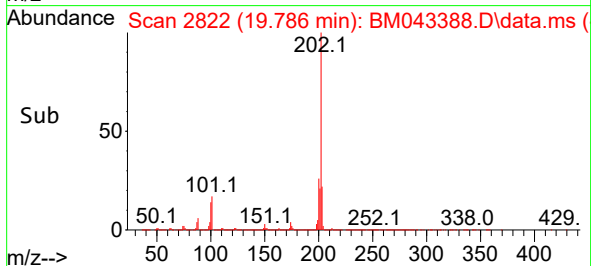
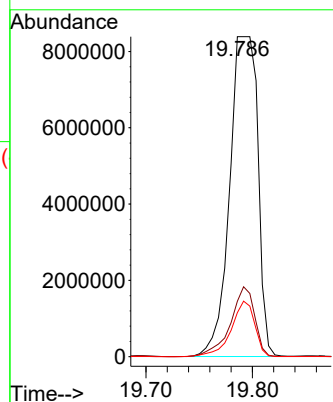
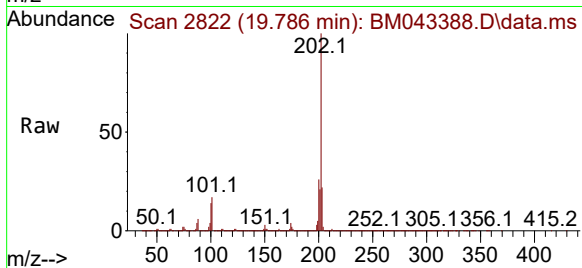
Tgt Ion:202 Resp:15470694

Ion Ratio Lower Upper

202 100

101 17.3 12.7 19.1

100 13.8 10.1 15.1



#85

Benzo(a)anthracene

Concen: 42.990 ng/ul

RT: 21.533 min Scan# 3119

Delta R.T. 0.012 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

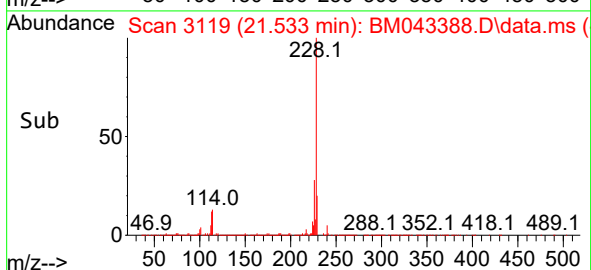
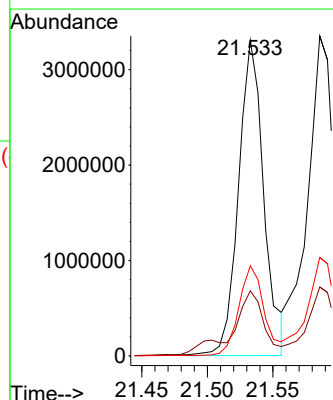
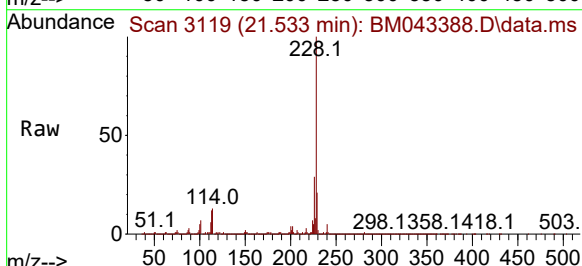
Tgt Ion:228 Resp: 4437326

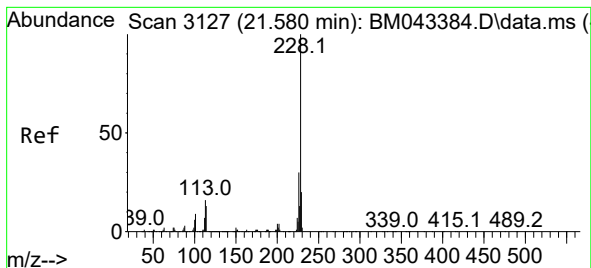
Ion Ratio Lower Upper

228 100

229 20.6 15.6 23.4

226 28.6 22.2 33.2





#87

Chrysene

Concen: 51.071 ng/ul

RT: 21.586 min Scan# 31

Delta R.T. 0.012 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

Instrument :

BNA_M

ClientSampleId :

DCLF3

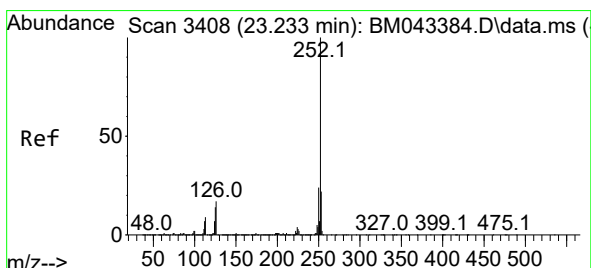
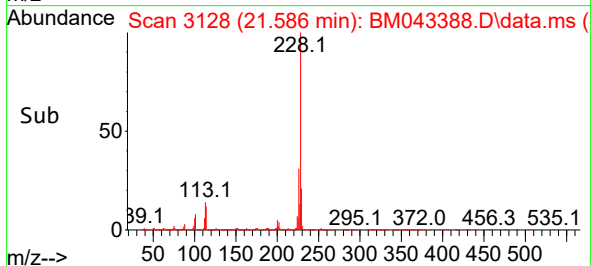
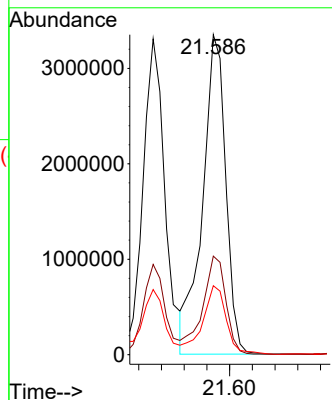
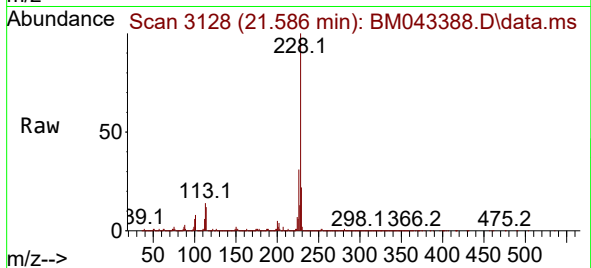
Tgt Ion:228 Resp: 4742304

Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.2

229 21.6 15.9 23.9



#90

Benzo(b)fluoranthene

Concen: 28.110 ng/ul

RT: 23.239 min Scan# 3409

Delta R.T. 0.018 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

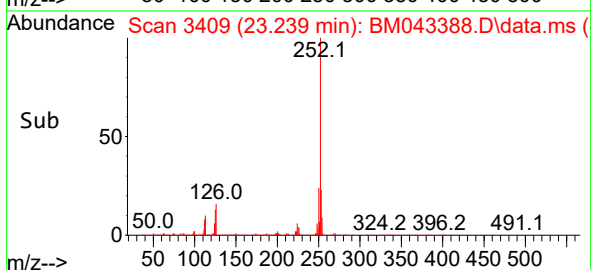
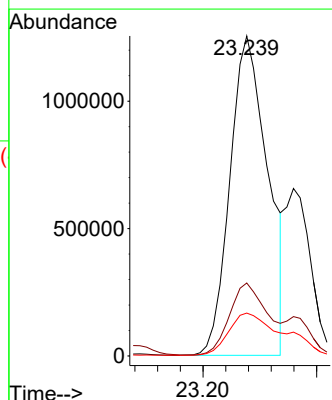
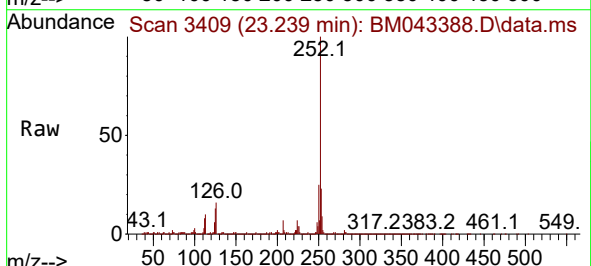
Tgt Ion:252 Resp: 2898452

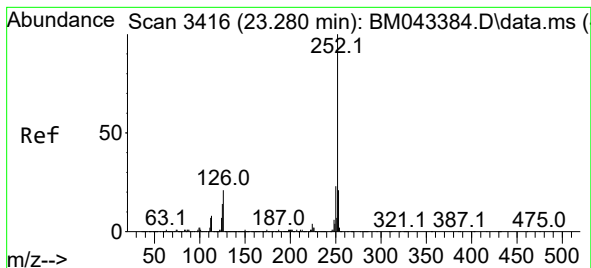
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 13.4 10.4 15.6





#91

Benzo(k)fluoranthene

Concen: 9.867 ng/ul

RT: 23.280 min Scan# 3416

Delta R.T. 0.012 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

Instrument :

BNA_M

ClientSampleId :

DCLF3

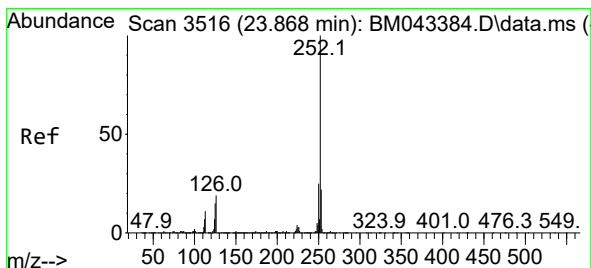
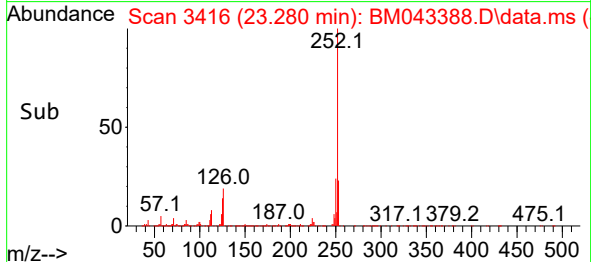
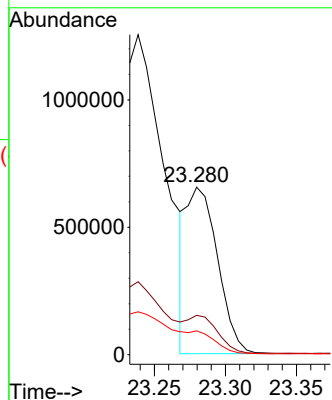
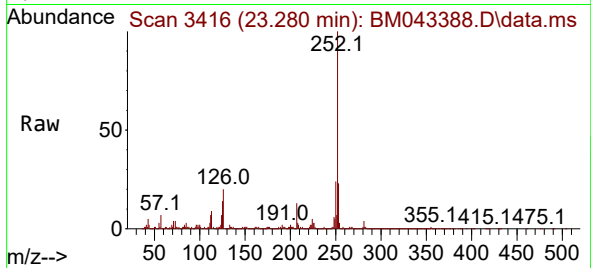
Tgt Ion:252 Resp: 992269

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 14.3 10.2 15.4



#93

Benzo(a)pyrene

Concen: 16.158 ng/ul

RT: 23.868 min Scan# 3516

Delta R.T. 0.018 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

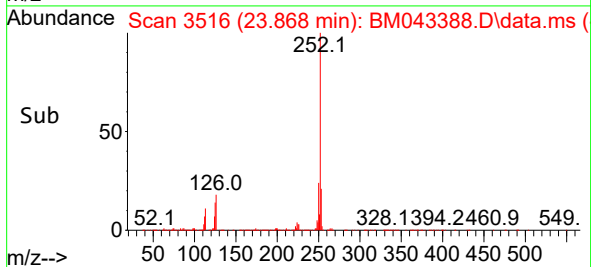
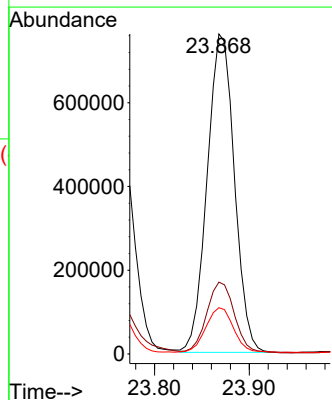
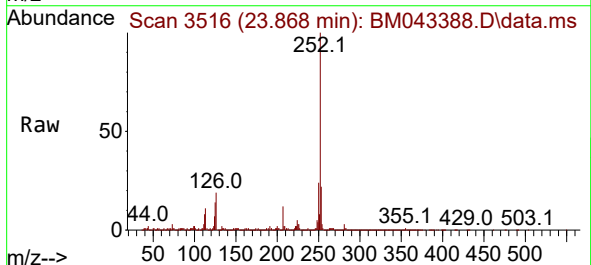
Tgt Ion:252 Resp: 1520044

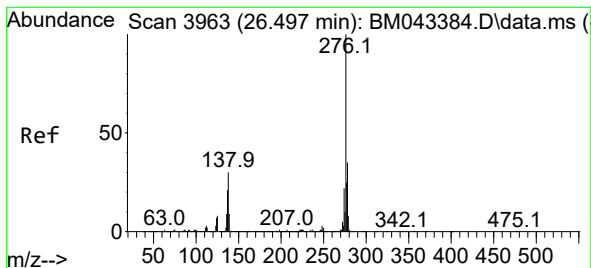
Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 14.5 11.4 17.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.249 ng/ul

RT: 26.503 min Scan# 3964

Delta R.T. 0.024 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

Instrument :

BNA_M

ClientSampleId :

DCLF3

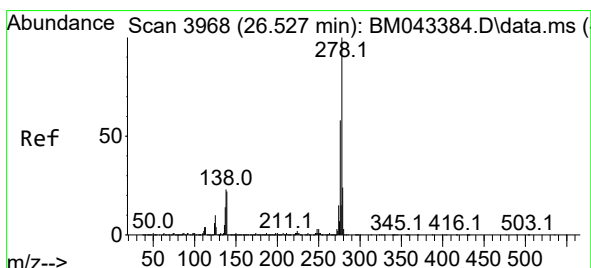
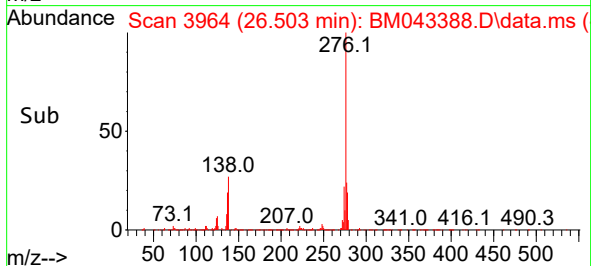
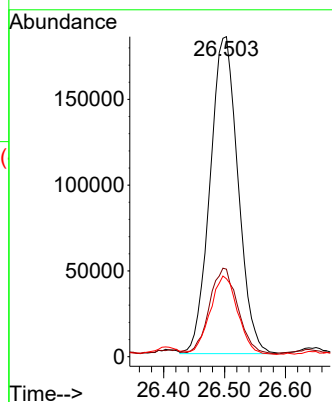
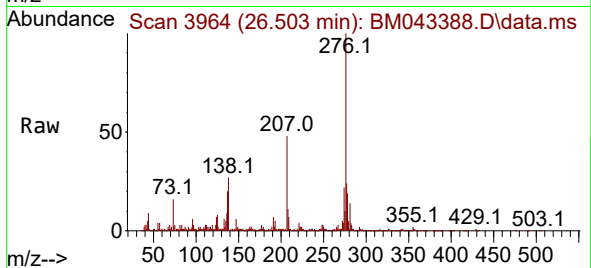
Tgt Ion:276 Resp: 589654

Ion Ratio Lower Upper

276 100

138 27.4 22.6 34.0

277 24.3 19.7 29.5



#95

Dibenzo(a,h)anthracene

Concen: 1.595 ng/ul

RT: 26.515 min Scan# 3966

Delta R.T. 0.012 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

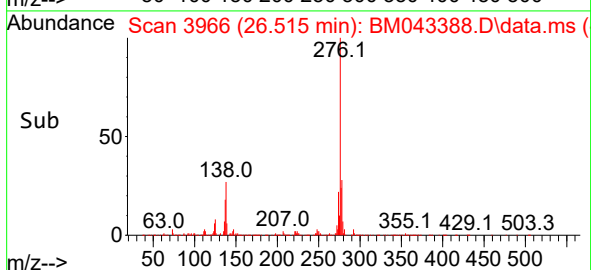
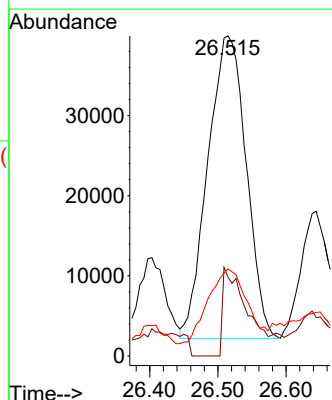
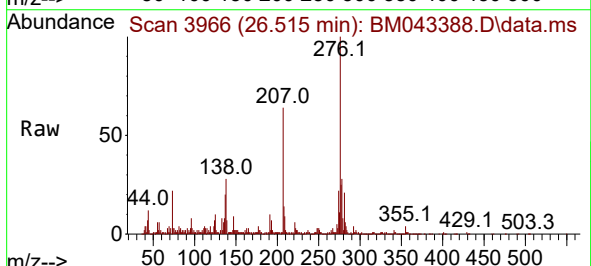
Tgt Ion:278 Resp: 148367

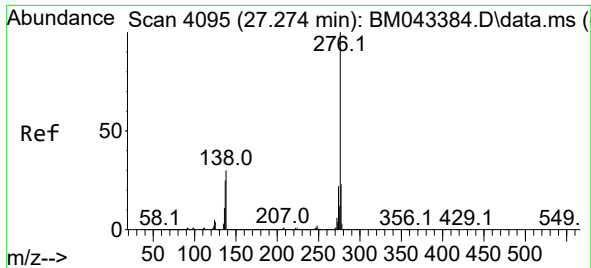
Ion Ratio Lower Upper

278 100

139 24.6 16.0 24.0#

279 27.2 19.4 29.0





#96
 Benzo(g,h,i)perylene
 Concen: 5.095 ng/ul
 RT: 27.274 min Scan# 4095
 Delta R.T. 0.024 min
 Lab File: BM043388.D
 Acq: 18 Dec 2023 12:03

Instrument :
 BNA_M
 ClientSampleId :
 DCLF3

Tgt Ion:276 Resp: 448653
 Ion Ratio Lower Upper
 276 100
 138 28.1 22.4 33.6
 277 23.2 19.1 28.7

