

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
 Data File : BM043310.D
 Acq On : 13 Dec 2023 20:25
 Operator : MA/JU
 Sample : 05690-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLH7

Quant Time: Dec 13 22:34:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 22:33:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	316280	20.000	ng/ul	0.00
20) Naphthalene-d8	10.804	136	1443018	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.622	164	836364	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.363	188	1599399	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.533	240	1073316	20.000	ng/ul	# 0.00
88) Perylene-d12	23.956	264	1018136	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	42623	5.289	ng/uL	0.00
4) Pyridine-d5	3.816	84	414202	17.322	ng/ul	0.00
7) Phenol-d5	7.157	99	995758	31.712	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	616308	31.706	ng/ul	0.00
11) 2-Chlorophenol-d4	7.528	132	756512	31.604	ng/ul	0.00
15) 4-Methylphenol-d8	8.710	113	774655	31.184	ng/ul	0.00
21) Nitrobenzene-d5	9.169	128	387944	31.542	ng/ul	0.00
24) 2-Nitrophenol-d4	9.892	143	397655	33.528	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	753048	28.486	ng/ul	0.00
31) 4-Chloroaniline-d4	10.951	131	751485	19.757	ng/ul	0.00
46) Dimethylphthalate-d6	14.045	166	2269862	30.960	ng/ul	0.00
49) Acenaphthylene-d8	14.322	160	2700360	31.836	ng/ul	0.00
54) 4-Nitrophenol-d4	14.822	143	372495	28.354	ng/ul	0.00
60) Fluorene-d10	15.616	176	2017691	31.571	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	80537	9.149	ng/ul	0.00
73) Anthracene-d10	17.463	188	2983147	34.476	ng/ul	0.00
81) Pyrene-d10	19.751	212	3025060	44.048	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.797	264	2071268	34.864	ng/ul	0.00
Target Compounds						
						Qvalue
8) Phenol	7.187	94	43991	1.417	ng/ul	97
16) Acetophenone	8.828	105	214259	5.366	ng/ul	96
30) Naphthalene	10.857	128	232691	2.627	ng/ul	99
36) 2-Methylnaphthalene	12.463	142	127731	2.004	ng/ul	98
37) 1-Methylnaphthalene	12.675	142	109776	1.697	ng/ul	97
50) Acenaphthylene	14.351	152	176759	1.844	ng/ul	96
52) Acenaphthene	14.686	153	602072	9.521	ng/ul	100
56) Dibenzofuran	15.022	168	450328	5.213	ng/ul	93
61) Fluorene	15.669	166	557557	7.457	ng/ul	99
72) Phenanthrene	17.410	178	3111682	31.199	ng/ul	99
74) Anthracene	17.498	178	4638516	46.170	ng/ul	99
77) Carbazole	17.768	167	373242	4.523	ng/ul	96
80) Fluoranthene	19.421	202	8778722	111.433	ng/ul#	95
82) Pyrene	19.780	202	7481476	91.294	ng/ul	94
85) Benzo(a)anthracene	21.521	228	1397894	16.987	ng/ul	97
87) Chrysene	21.574	228	1904319	25.909	ng/ul	98
90) Benzo(b)fluoranthene	23.221	252	1940121	26.708	ng/ul#	93
91) Benzo(k)fluoranthene	23.221	252	1940121	26.816	ng/ul#	94
93) Benzo(a)pyrene	23.850	252	747941	11.139	ng/ul#	93
94) Indeno(1,2,3-cd)pyrene	26.474	276	563167	7.363	ng/ul#	92
95) Dibenzo(a,h)anthracene	26.480	278	83859	1.311	ng/ul#	72
96) Benzo(g,h,i)perylene	27.244	276	476556	8.270	ng/ul#	89

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 22:33:14 2023
Response via : Initial Calibration

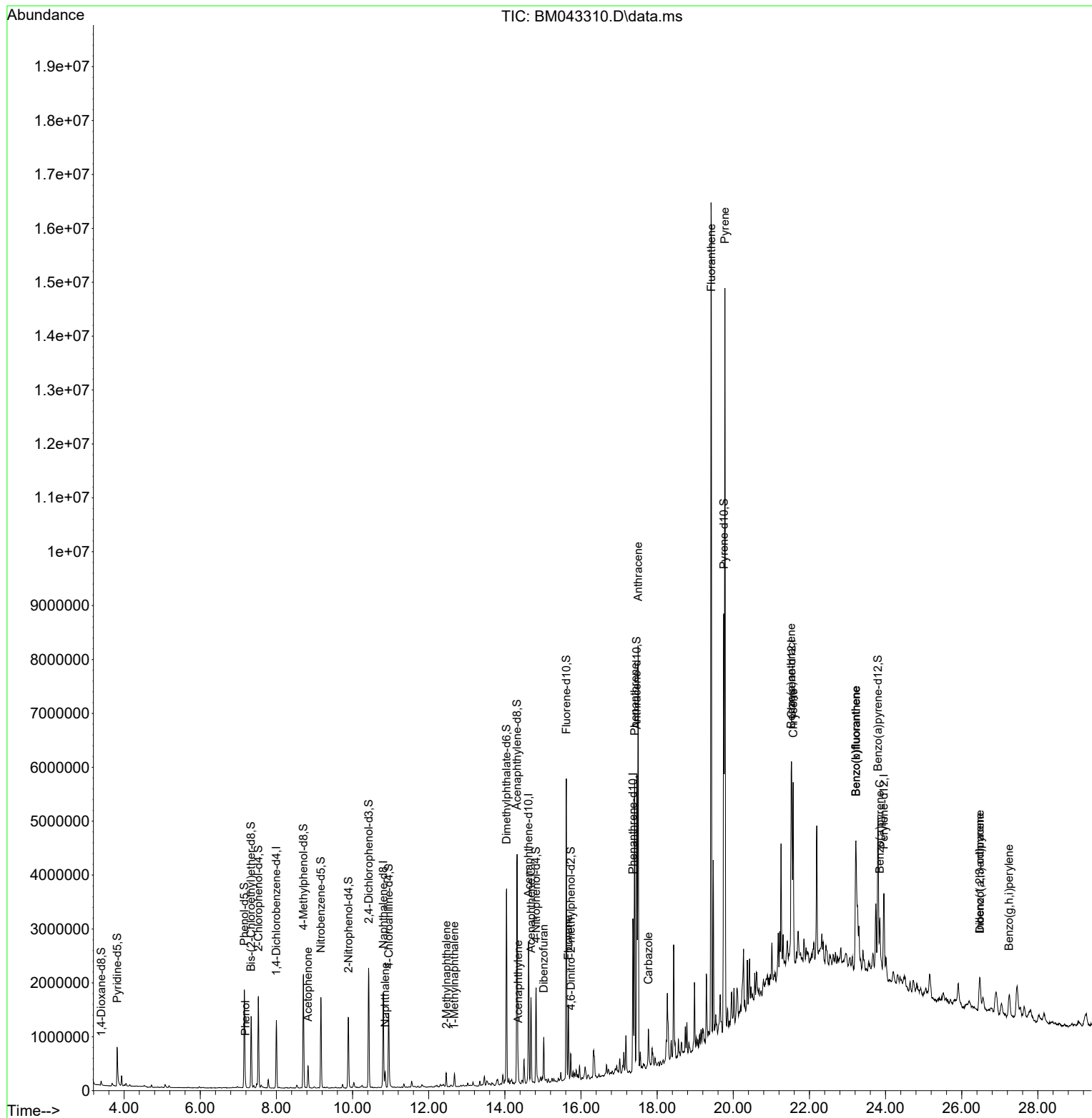
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

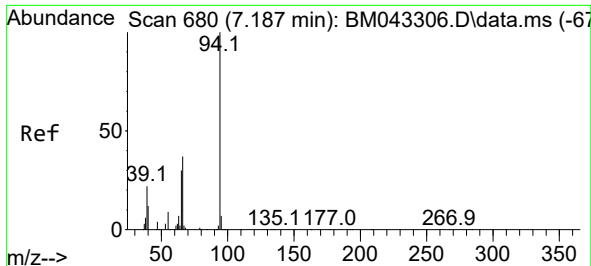
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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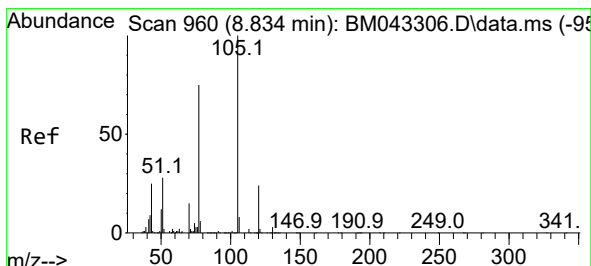
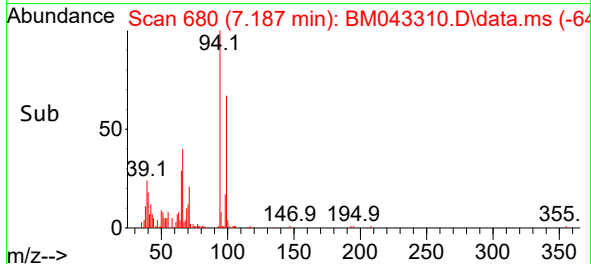
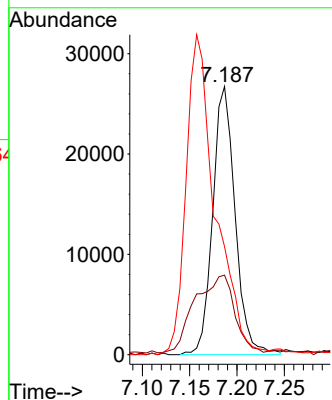
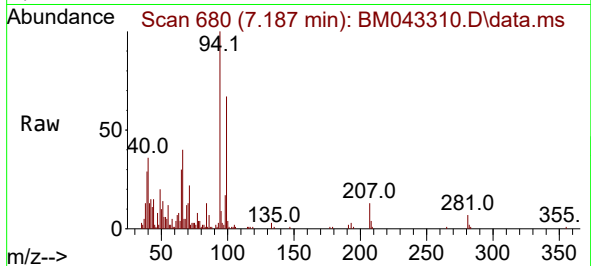




#8
Phenol
Concen: 1.417 ng/ul
RT: 7.187 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

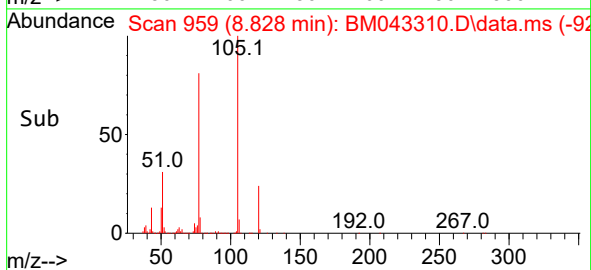
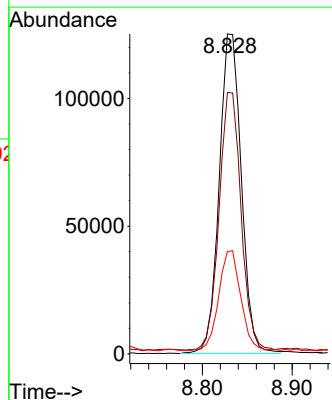
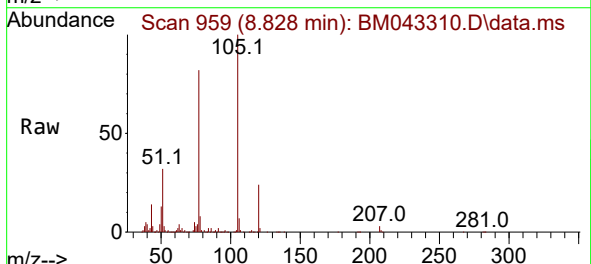
Instrument :
BNA_M
ClientSampleId :
DCLH7

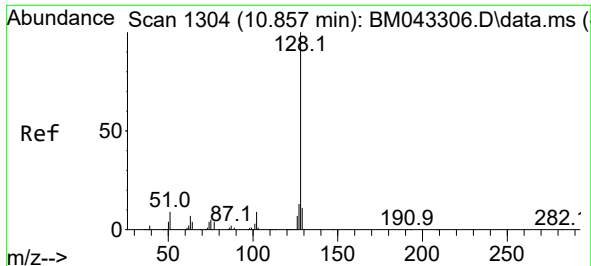
Tgt Ion: 94 Resp: 43991
Ion Ratio Lower Upper
94 100
65 29.7 23.5 35.3
66 40.3 29.9 44.9



#16
Acetophenone
Concen: 5.366 ng/ul
RT: 8.828 min Scan# 959
Delta R.T. -0.006 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

Tgt Ion: 105 Resp: 214259
Ion Ratio Lower Upper
105 100
77 81.7 62.7 94.1
51 32.0 23.8 35.8

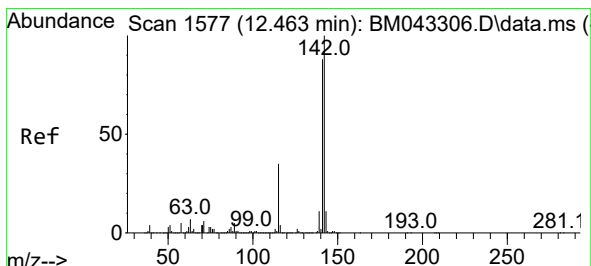
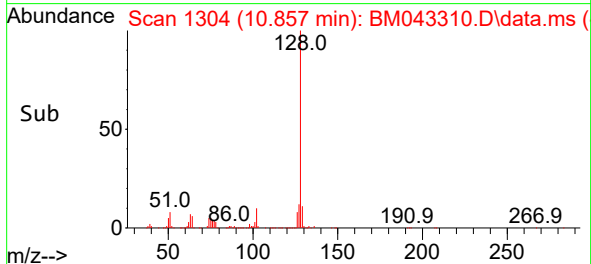
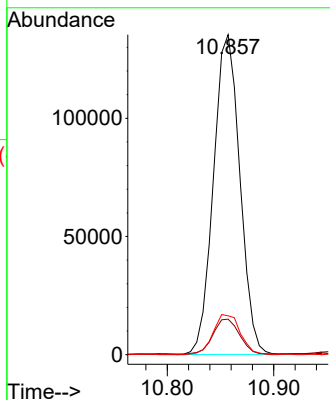
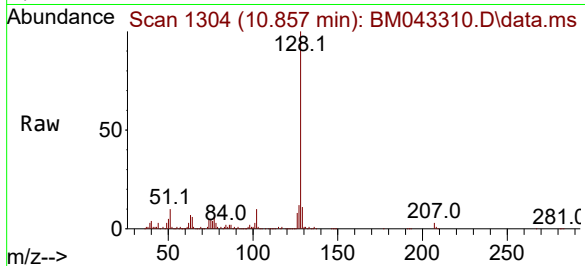




#30
Naphthalene
Concen: 2.627 ng/ul
RT: 10.857 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

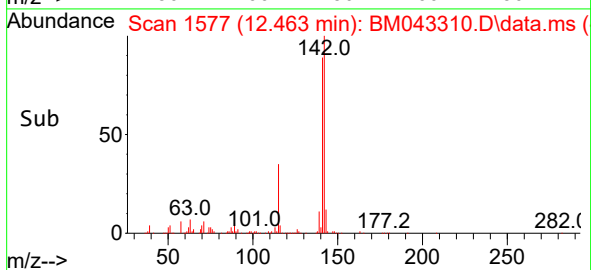
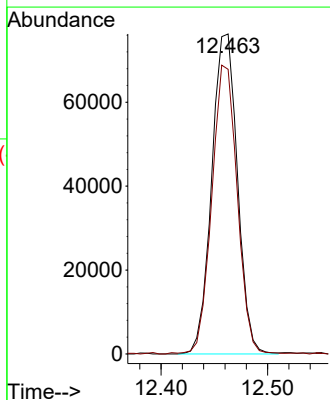
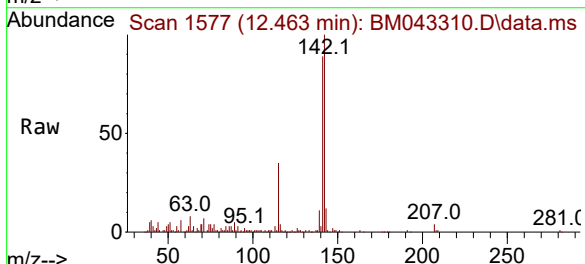
Instrument :
BNA_M
ClientSampleId :
DCLH7

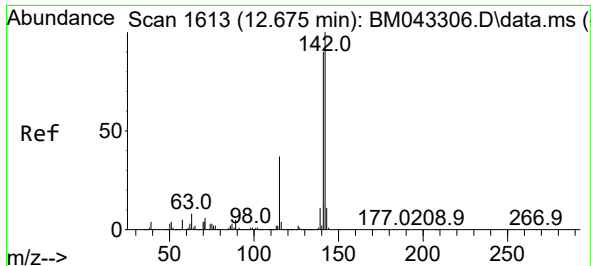
Tgt Ion:128 Resp: 232691
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.2 10.4 15.6



#36
2-Methylnaphthalene
Concen: 2.004 ng/ul
RT: 12.463 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

Tgt Ion:142 Resp: 127731
Ion Ratio Lower Upper
142 100
141 88.9 70.0 105.0





#37

1-Methylnaphthalene

Concen: 1.697 ng/ul

RT: 12.675 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Instrument :

BNA_M

ClientSampleId :

DCLH7

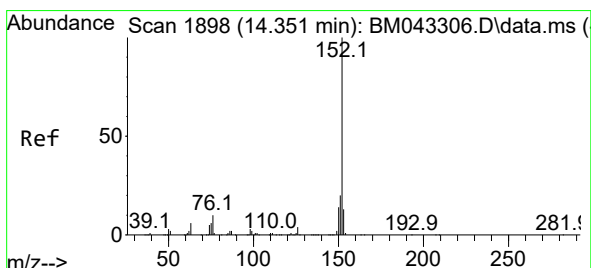
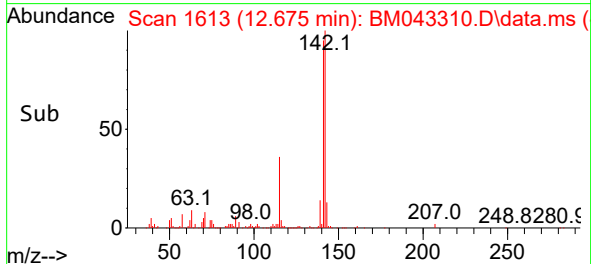
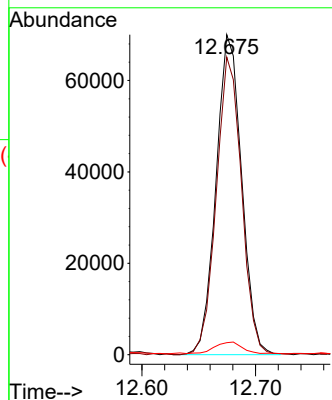
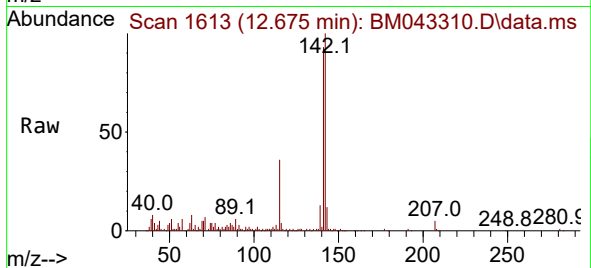
Tgt Ion:142 Resp: 109776

Ion Ratio Lower Upper

142 100

141 93.0 71.9 107.9

116 3.7 2.8 4.2



#50

Acenaphthylene

Concen: 1.844 ng/ul

RT: 14.351 min Scan# 1898

Delta R.T. 0.000 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

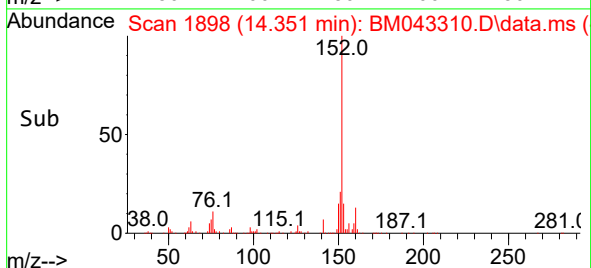
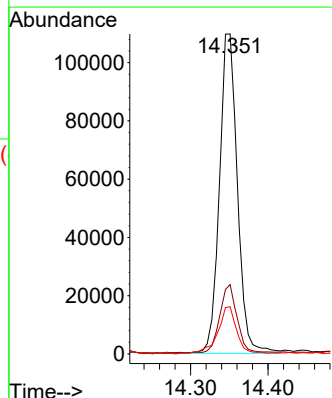
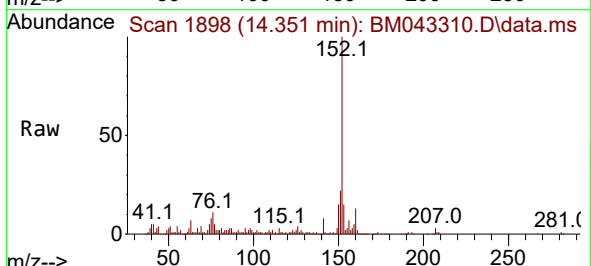
Tgt Ion:152 Resp: 176759

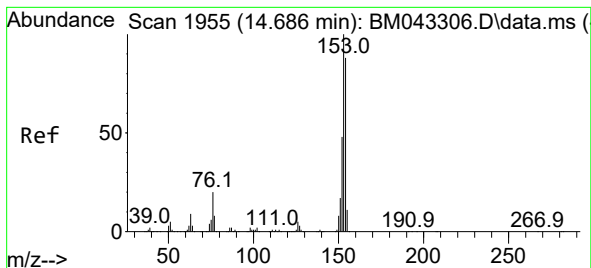
Ion Ratio Lower Upper

152 100

151 21.7 16.0 24.0

153 14.8 10.3 15.5





#52

Acenaphthene

Concen: 9.521 ng/ul

RT: 14.686 min Scan# 1955

Delta R.T. 0.000 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Instrument :

BNA_M

ClientSampleId :

DCLH7

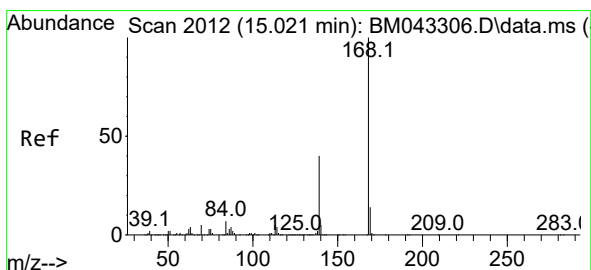
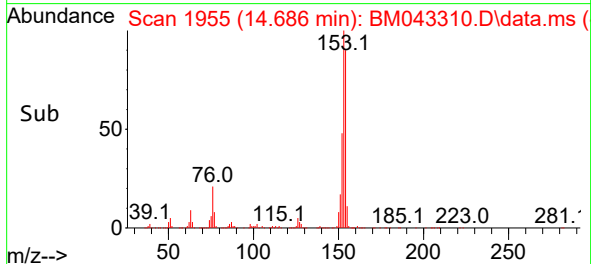
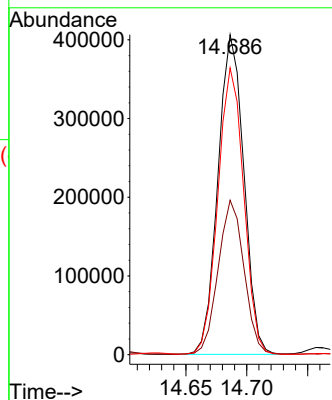
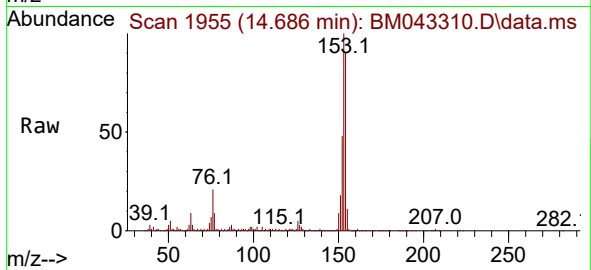
Tgt Ion:153 Resp: 602072

Ion Ratio Lower Upper

153 100

152 48.2 38.6 58.0

154 89.6 71.6 107.4



#56

Dibenzofuran

Concen: 5.213 ng/ul

RT: 15.022 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BM043310.D

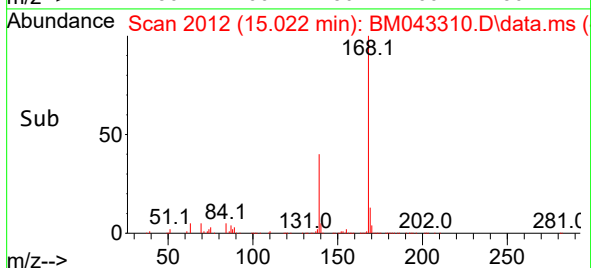
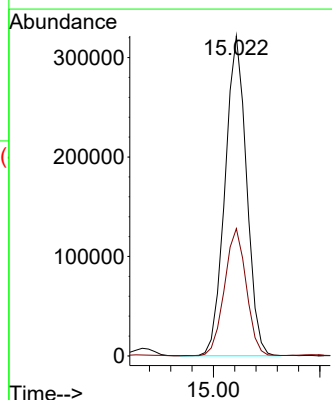
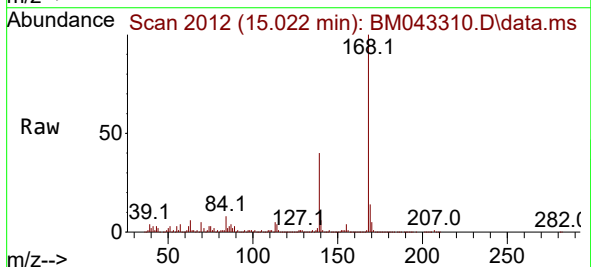
Acq: 13 Dec 2023 20:25

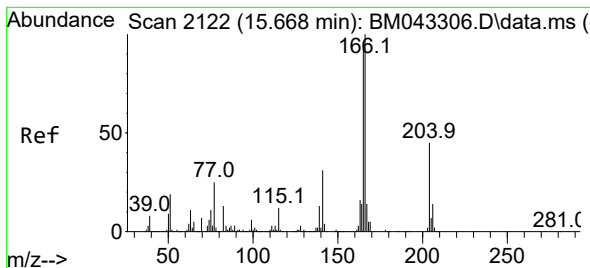
Tgt Ion:168 Resp: 450328

Ion Ratio Lower Upper

168 100

139 39.8 28.6 43.0





#61

Fluorene

Concen: 7.457 ng/ul

RT: 15.669 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Instrument :

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ClientSampleId :

DCLH7

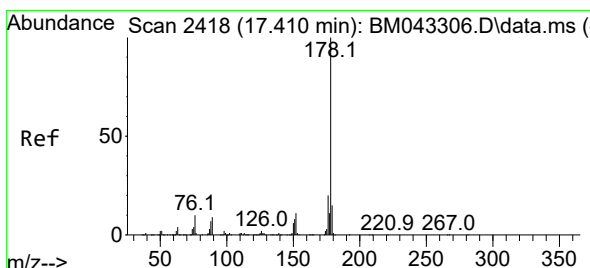
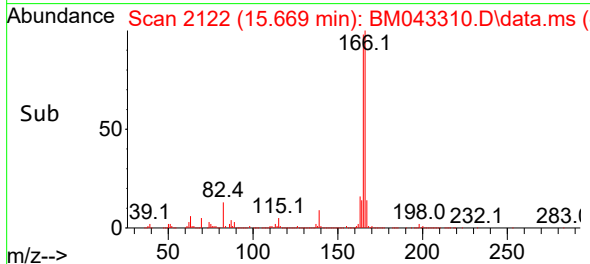
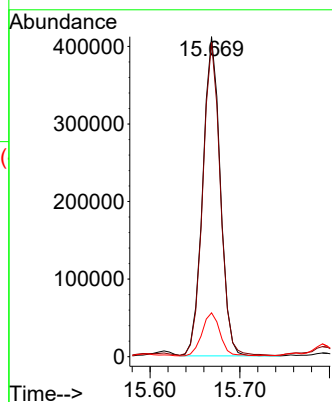
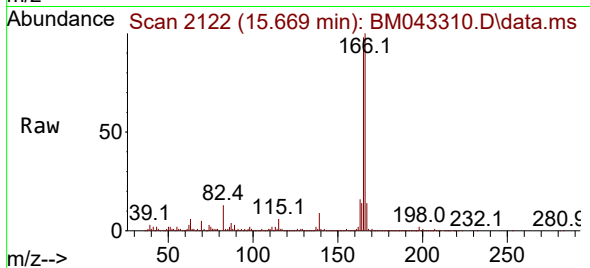
Tgt Ion:166 Resp: 557557

Ion Ratio Lower Upper

166 100

165 98.3 77.5 116.3

167 13.7 10.7 16.1



#72

Phenanthrene

Concen: 31.199 ng/ul

RT: 17.410 min Scan# 2418

Delta R.T. 0.000 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

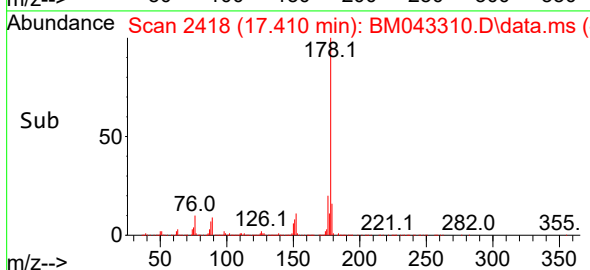
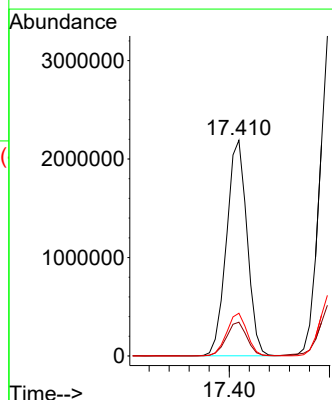
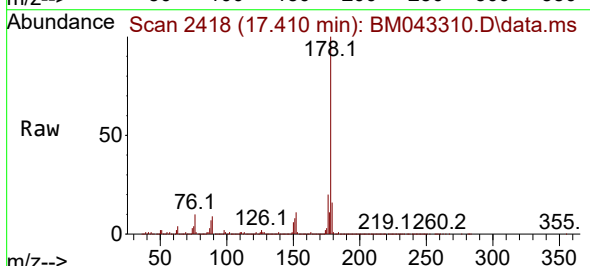
Tgt Ion:178 Resp: 3111682

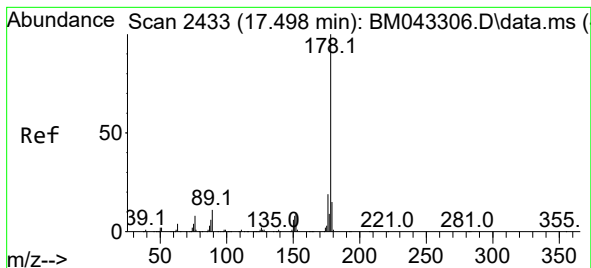
Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

176 19.8 15.7 23.5





#74

Anthracene

Concen: 46.170 ng/ul

RT: 17.498 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

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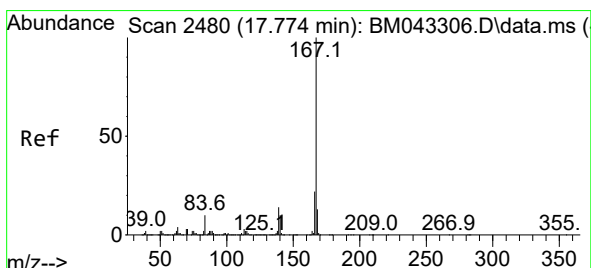
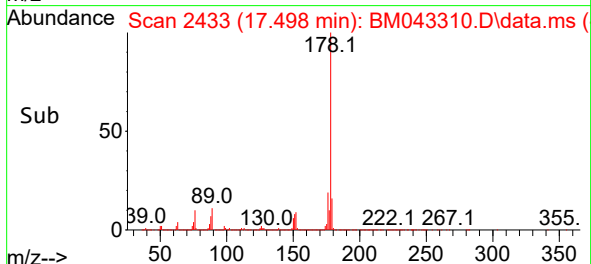
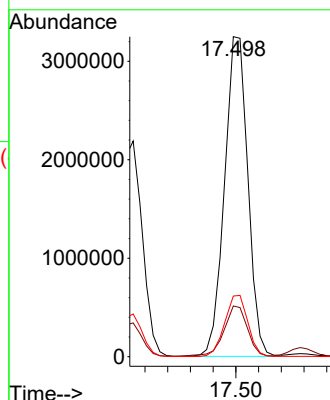
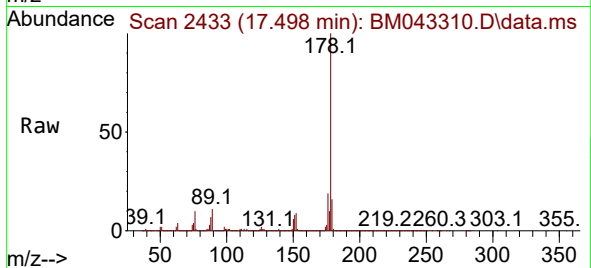
Tgt Ion:178 Resp: 4638516

Ion Ratio Lower Upper

178 100

179 15.8 12.1 18.1

176 18.9 15.1 22.7



#77

Carbazole

Concen: 4.523 ng/ul

RT: 17.768 min Scan# 2479

Delta R.T. -0.006 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

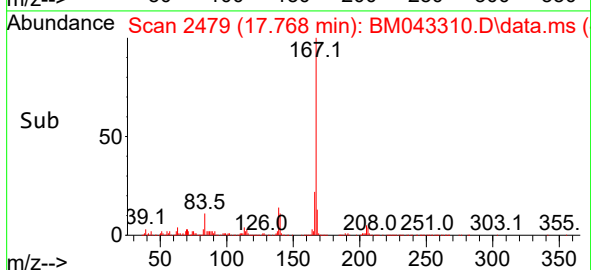
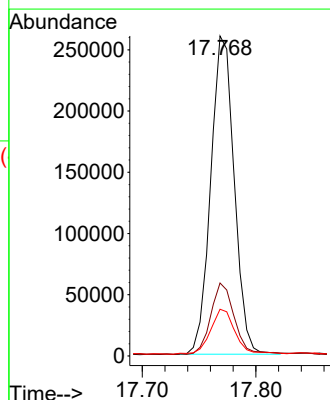
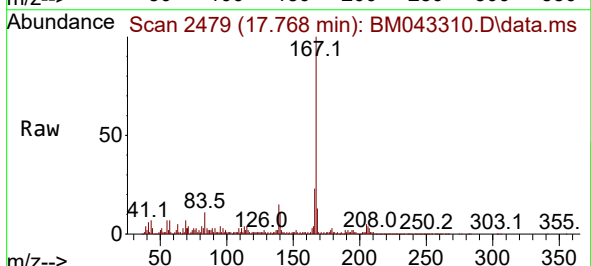
Tgt Ion:167 Resp: 373242

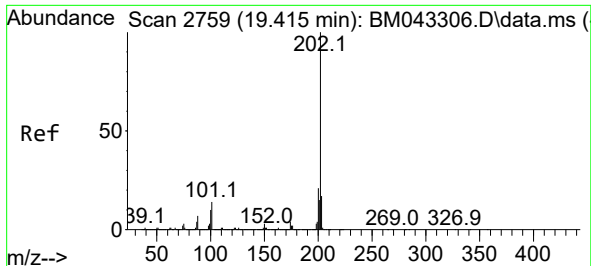
Ion Ratio Lower Upper

167 100

166 22.8 17.1 25.7

139 14.6 9.9 14.9

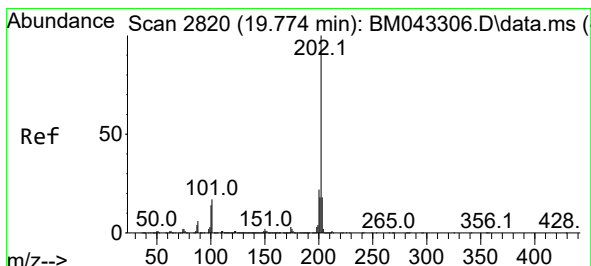
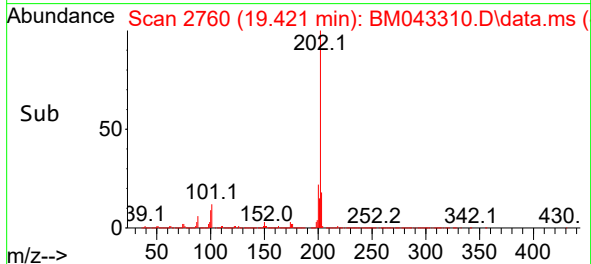
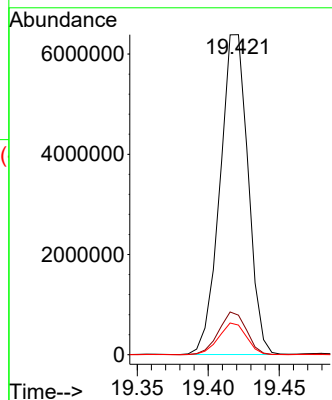
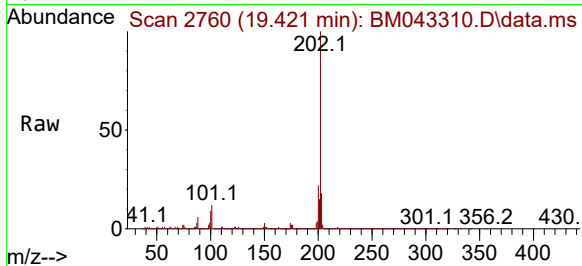




#80
Fluoranthene
Concen: 111.433 ng/ul
RT: 19.421 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

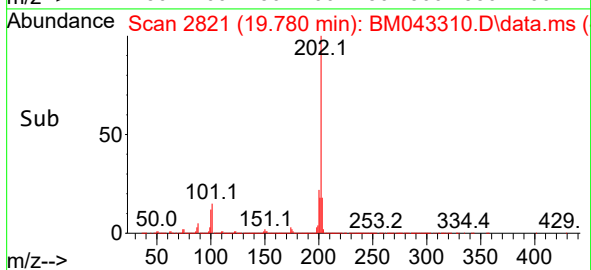
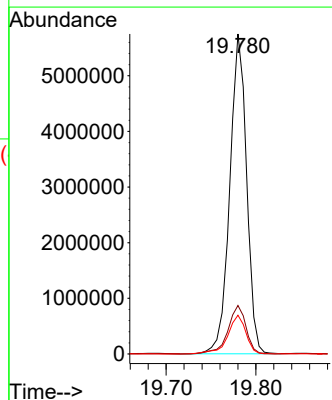
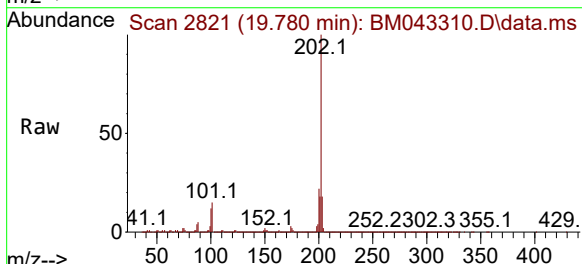
Instrument :
BNA_M
ClientSampleId :
DCLH7

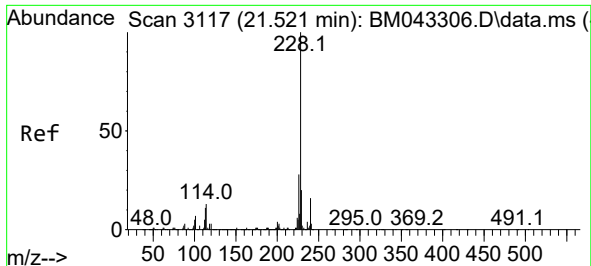
Tgt Ion:202 Resp: 8778722
Ion Ratio Lower Upper
202 100
101 12.4 8.2 12.2#
100 9.2 6.1 9.1#



#82
Pyrene
Concen: 91.294 ng/ul
RT: 19.780 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

Tgt Ion:202 Resp: 7481476
Ion Ratio Lower Upper
202 100
101 15.2 10.2 15.2
100 12.1 8.2 12.2

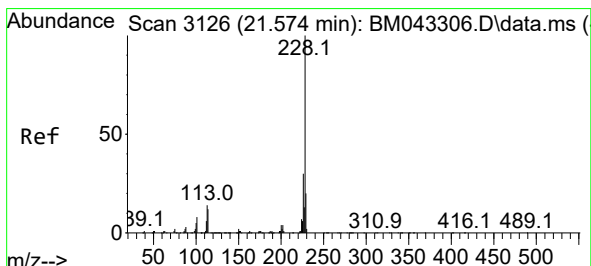
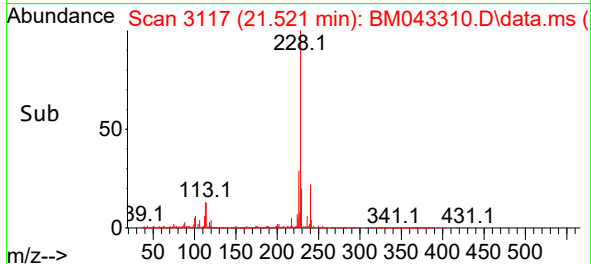
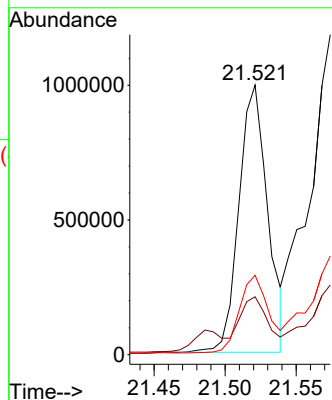
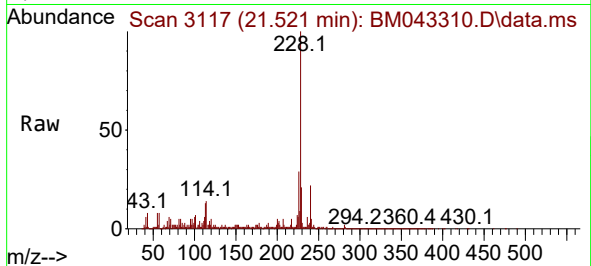




#85
Benzo(a)anthracene
Concen: 16.987 ng/ul
RT: 21.521 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

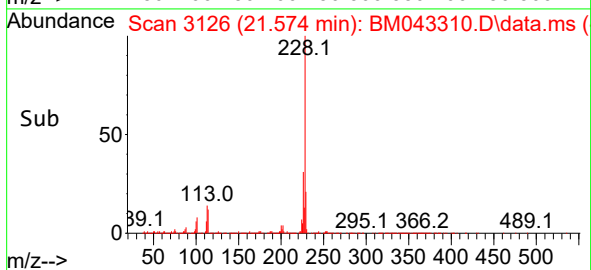
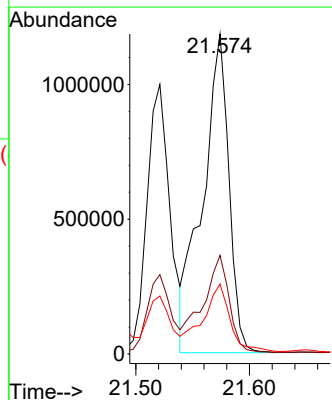
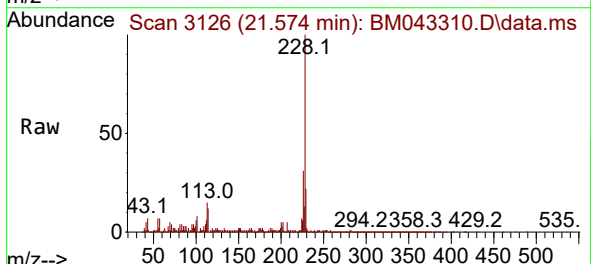
Instrument :
BNA_M
ClientSampleId :
DCLH7

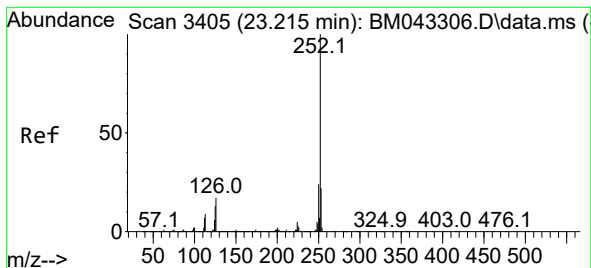
Tgt Ion:228 Resp: 1397894
Ion Ratio Lower Upper
228 100
229 21.5 15.8 23.8
226 29.4 22.2 33.4



#87
Chrysene
Concen: 25.909 ng/ul
RT: 21.574 min Scan# 3126
Delta R.T. 0.000 min
Lab File: BM043310.D
Acq: 13 Dec 2023 20:25

Tgt Ion:228 Resp: 1904319
Ion Ratio Lower Upper
228 100
226 30.8 24.8 37.2
229 21.8 16.2 24.2





#90

Benzo(b)fluoranthene

Concen: 26.708 ng/ul

RT: 23.221 min Scan# 3405

Delta R.T. 0.006 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Instrument :

BNA_M

ClientSampleId :

DCLH7

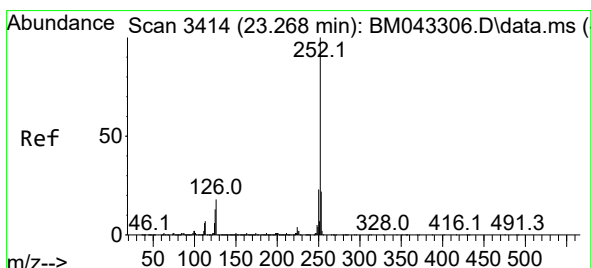
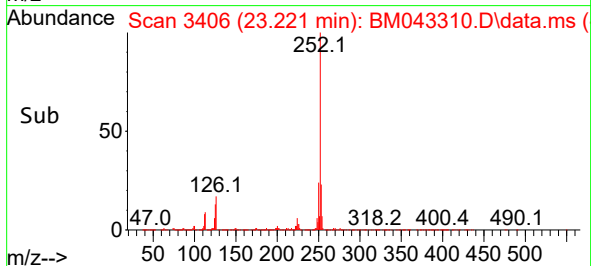
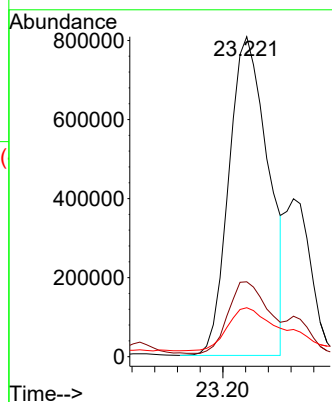
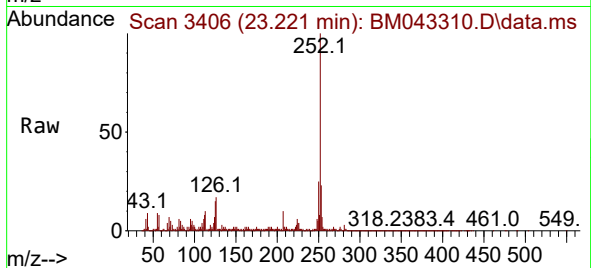
Tgt Ion:252 Resp: 1940121

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 15.3 7.2 10.8#



#91

Benzo(k)fluoranthene

Concen: 26.816 ng/ul

RT: 23.221 min Scan# 3406

Delta R.T. -0.047 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

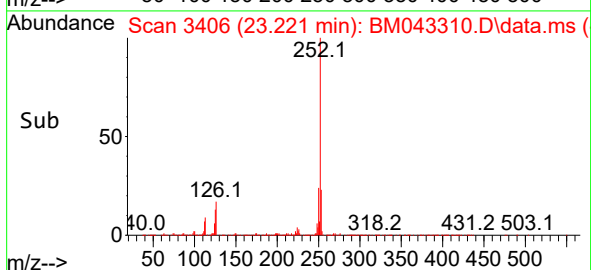
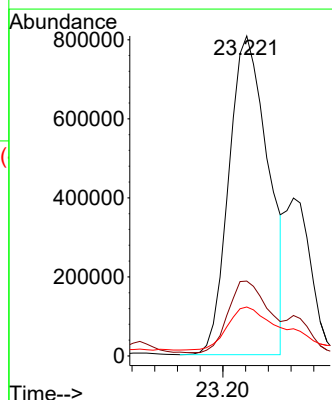
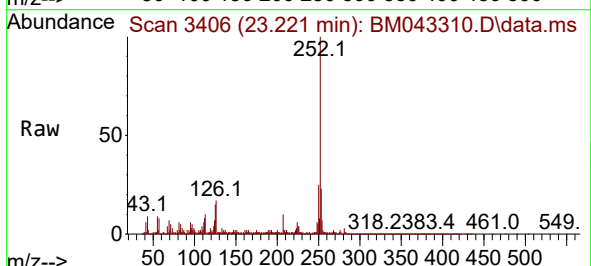
Tgt Ion:252 Resp: 1940121

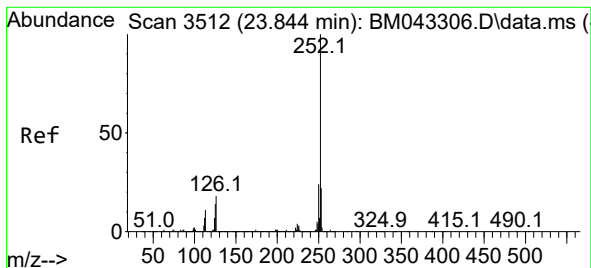
Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 15.3 7.7 11.5#





#93

Benzo(a)pyrene

Concen: 11.139 ng/ul

RT: 23.850 min Scan# 3512

Delta R.T. 0.006 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Instrument :

BNA_M

ClientSampleId :

DCLH7

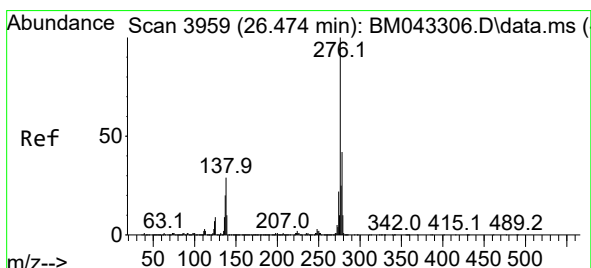
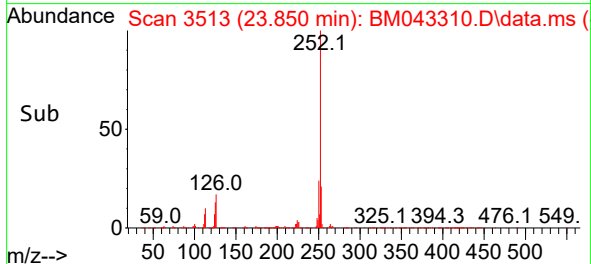
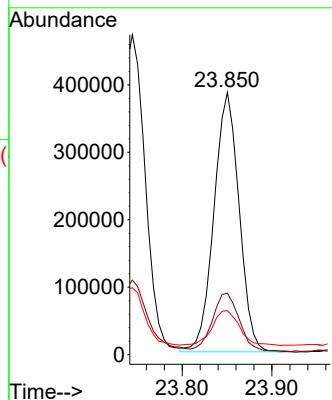
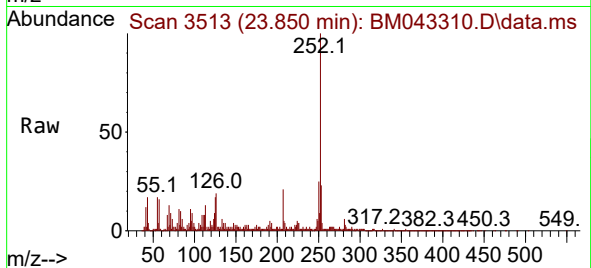
Tgt Ion:252 Resp: 747941

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 16.8 8.4 12.6#



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.363 ng/ul

RT: 26.474 min Scan# 3959

Delta R.T. 0.000 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

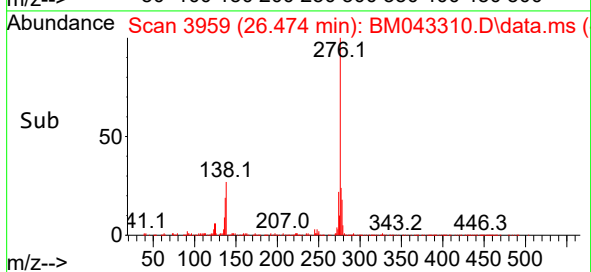
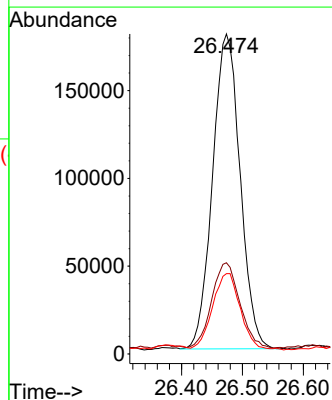
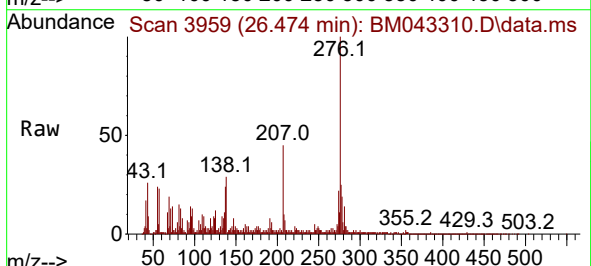
Tgt Ion:276 Resp: 563167

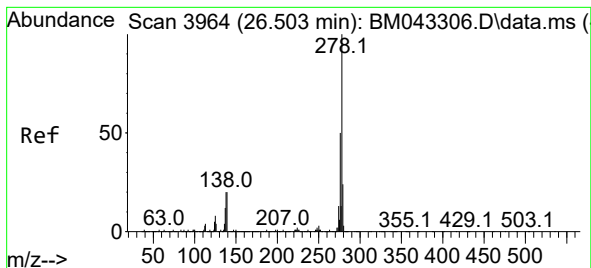
Ion Ratio Lower Upper

276 100

138 28.5 16.9 25.3#

277 25.1 19.5 29.3





#95

Dibenzo(a,h)anthracene

Concen: 1.311 ng/ul

RT: 26.480 min Scan# 3964

Delta R.T. -0.023 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Instrument :

BNA_M

ClientSampleId :

DCLH7

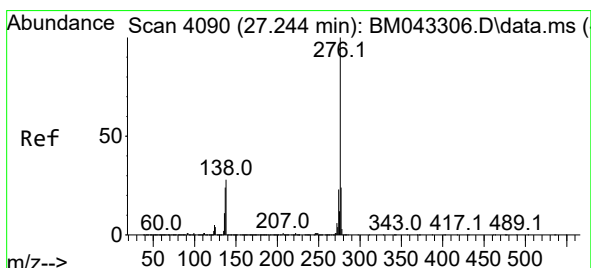
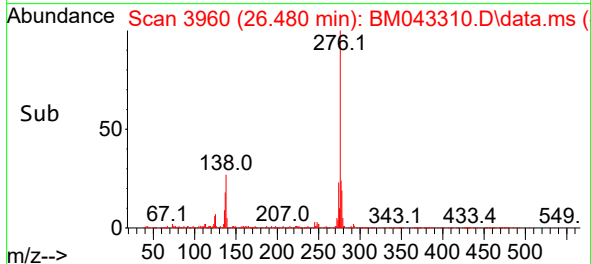
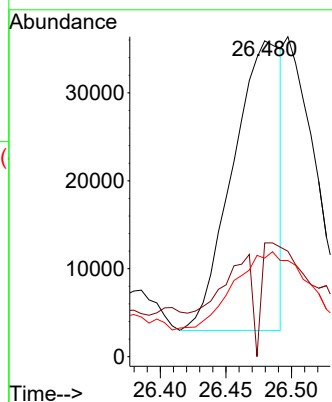
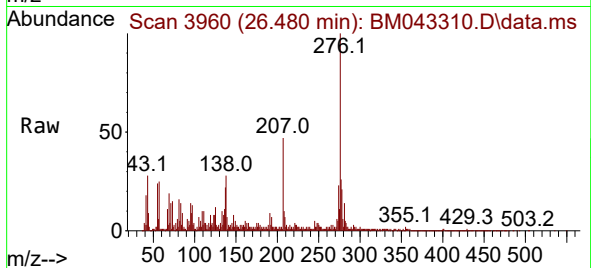
Tgt Ion:278 Resp: 83859

Ion Ratio Lower Upper

278 100

139 36.0 11.9 17.9#

279 31.2 19.4 29.2#



#96

Benzo(g,h,i)perylene

Concen: 8.270 ng/ul

RT: 27.244 min Scan# 4090

Delta R.T. 0.000 min

Lab File: BM043310.D

Acq: 13 Dec 2023 20:25

Tgt Ion:276 Resp: 476556

Ion Ratio Lower Upper

276 100

138 29.8 16.2 24.2#

277 24.3 18.7 28.1

