

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121423\
 Data File : BM043343.D
 Acq On : 14 Dec 2023 19:32
 Operator : MA/JU
 Sample : 05626-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLG2

Quant Time: Dec 14 23:27:32 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	7.987	152	288866	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.792	136	1224425	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.616	164	675476	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.357	188	1281261	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.527	240	999424	20.000	ng/ul	# 0.00
88) Perylene-d12	23.944	264	1117225	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	33311	4.526	ng/uL	0.00
4) Pyridine-d5	3.810	84	162732	7.452	ng/ul	0.00
7) Phenol-d5	7.145	99	680452	23.727	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.322	67	425291	23.956	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.516	132	517422	23.667	ng/ul	-0.01
15) 4-Methylphenol-d8	8.692	113	534352	23.552	ng/ul	-0.02
21) Nitrobenzene-d5	9.157	128	255145	24.448	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.875	143	265773	26.409	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.410	165	477369	21.282	ng/ul	-0.02
31) 4-Chloroaniline-d4	10.939	131	590251	18.288	ng/ul	-0.01
46) Dimethylphthalate-d6	14.033	166	1410672	23.824	ng/ul	-0.01
49) Acenaphthylene-d8	14.310	160	1661785	24.258	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.810	143	222195	20.942	ng/ul	-0.01
60) Fluorene-d10	15.604	176	1195627	23.164	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.721	200	151933	21.545	ng/ul	-0.01
73) Anthracene-d10	17.456	188	1762753	25.430	ng/ul	0.00
81) Pyrene-d10	19.739	212	1783291	27.886	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.791	264	1654117	25.373	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.822	105	105122	2.883	ng/ul#	92
30) Naphthalene	10.851	128	10615062	141.243	ng/ul	100
32) 4-Chloroaniline	10.851	127	1390686	45.682	ng/ul#	7
36) 2-Methylnaphthalene	12.451	142	785869	14.534	ng/ul	100
37) 1-Methylnaphthalene	12.669	142	557940	10.166	ng/ul	97
50) Acenaphthylene	14.339	152	254465	3.287	ng/ul	96
52) Acenaphthene	14.680	153	189719	3.715	ng/ul	98
56) Dibenzofuran	15.015	168	76373	1.095	ng/ul	93
61) Fluorene	15.663	166	80735	1.337	ng/ul	95
72) Phenanthrene	17.398	178	302229	3.783	ng/ul	99
74) Anthracene	17.492	178	605277	7.521	ng/ul	99
77) Carbazole	17.762	167	265636	4.018	ng/ul	97
80) Fluoranthene	19.409	202	1408430	19.200	ng/ul#	93
82) Pyrene	19.768	202	1712075	22.437	ng/ul#	92
85) Benzo(a)anthracene	21.515	228	738621	9.639	ng/ul	92
87) Chrysene	21.568	228	686743	10.034	ng/ul	99
90) Benzo(b)fluoranthene	23.215	252	3677254	46.131	ng/ul#	96
91) Benzo(k)fluoranthene	23.215	252	3677254	46.318	ng/ul#	97
93) Benzo(a)pyrene	23.844	252	1349174	18.311	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	26.456	276	1121793	13.366	ng/ul#	95
95) Dibenzo(a,h)anthracene	26.468	278	279961	3.989	ng/ul#	82
96) Benzo(g,h,i)perylene	27.226	276	333013	5.267	ng/ul#	90

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

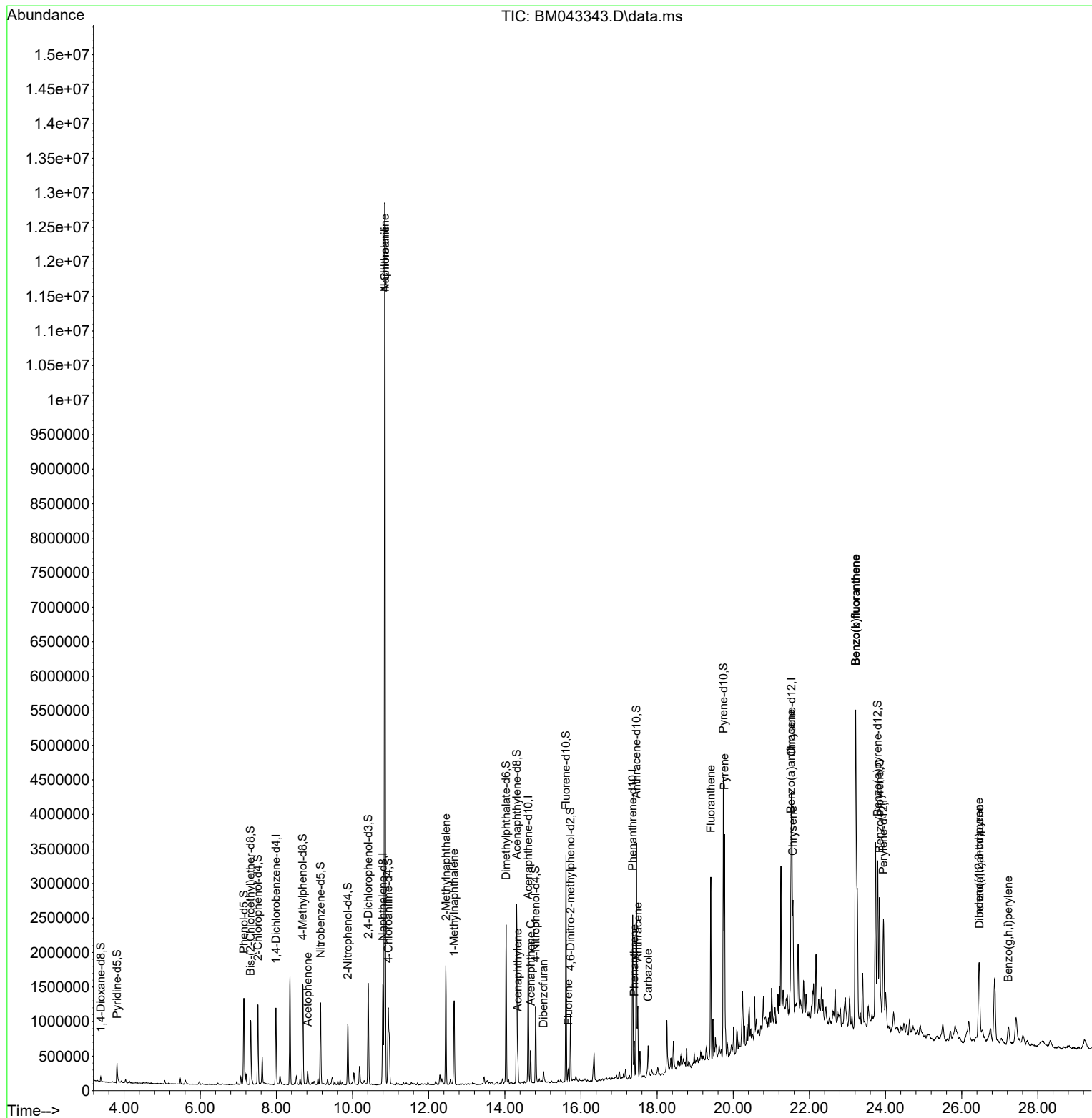
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

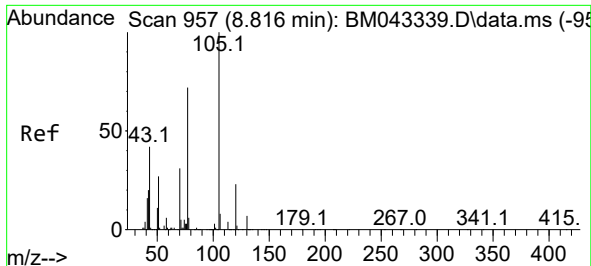
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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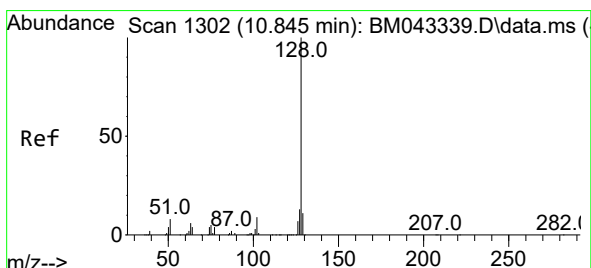
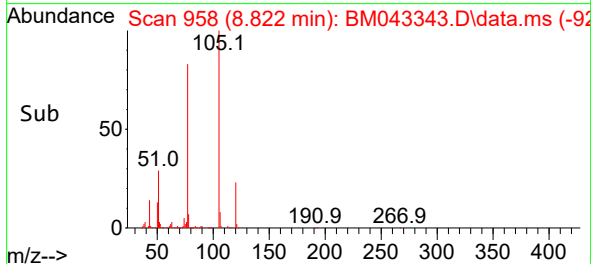
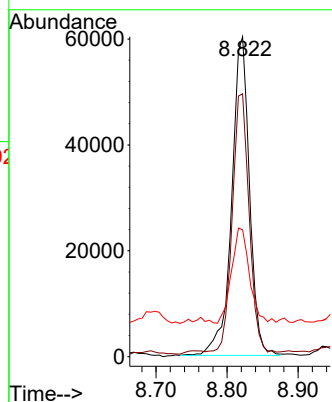
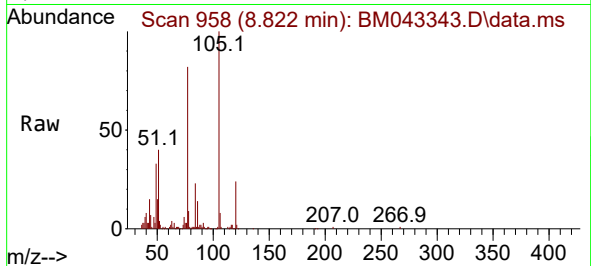




#16
Acetophenone
Concen: 2.883 ng/ul
RT: 8.822 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM043343.D
Acq: 14 Dec 2023 19:32

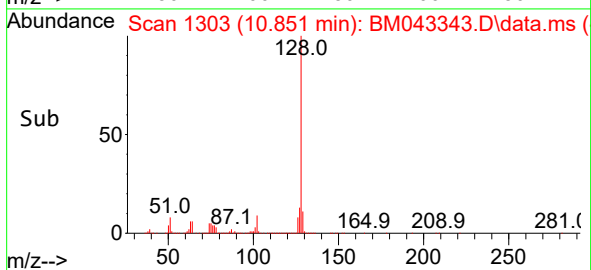
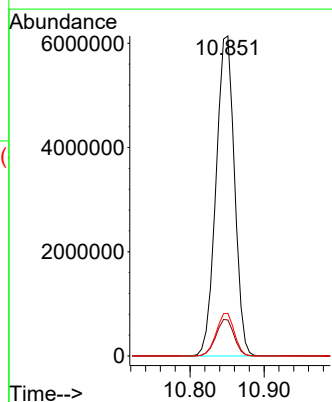
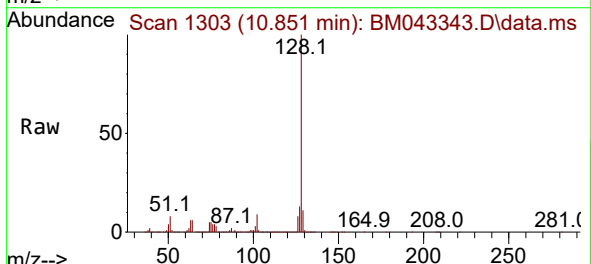
Instrument :
BNA_P
ClientSampleId :
DCLG2

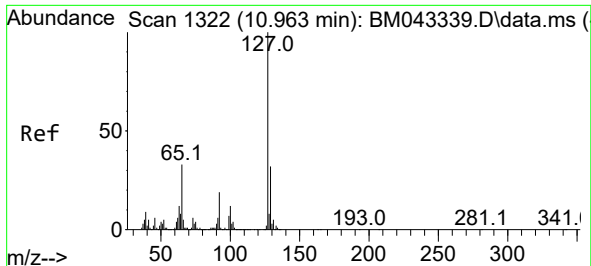
Tgt Ion:105 Resp: 105122
Ion Ratio Lower Upper
105 100
77 82.2 62.7 94.1
51 39.7 23.8 35.8#



#30
Naphthalene
Concen: 141.243 ng/ul
RT: 10.851 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BM043343.D
Acq: 14 Dec 2023 19:32

Tgt Ion:128 Resp:10615062
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.3 10.4 15.6

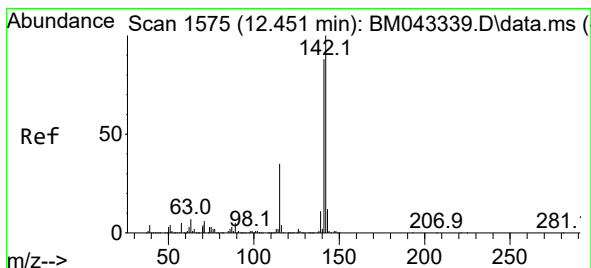
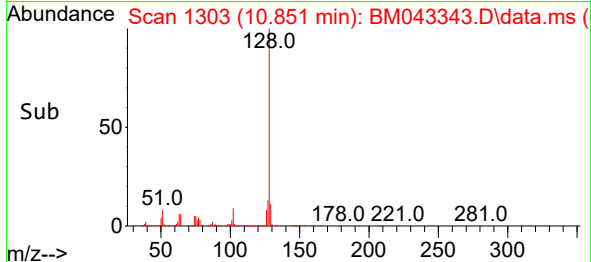
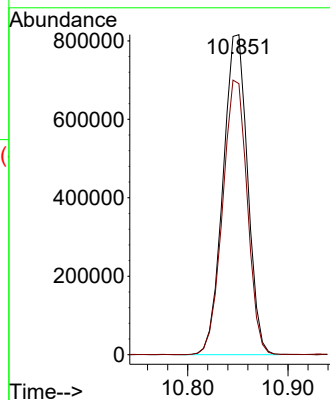
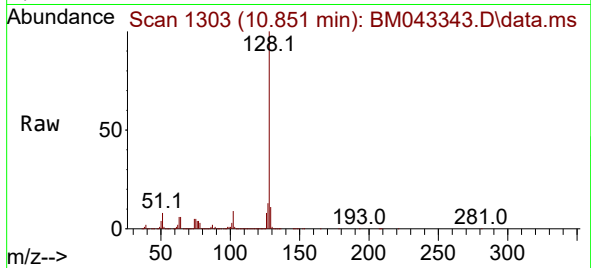




#32
4-Chloroaniline
Concen: 45.682 ng/ul
RT: 10.851 min Scan# 1303
Delta R.T. -0.124 min
Lab File: BM043343.D
Acq: 14 Dec 2023 19:32

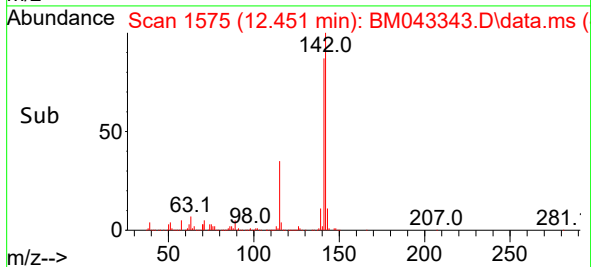
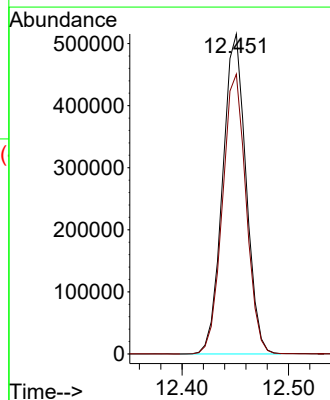
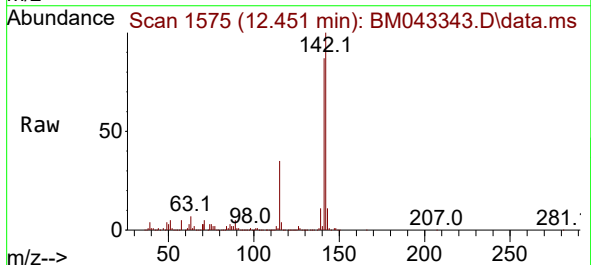
Instrument :
BNA_P
ClientSampleId :
DCLG2

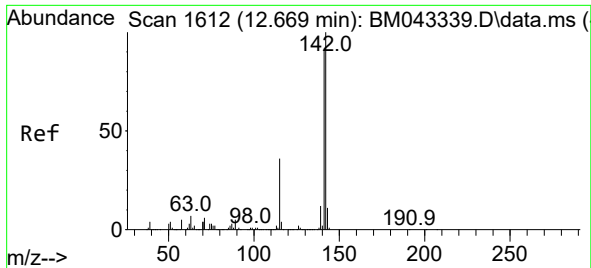
Tgt Ion:127 Resp: 1390686
Ion Ratio Lower Upper
127 100
129 84.7 26.0 39.0#



#36
2-Methylnaphthalene
Concen: 14.534 ng/ul
RT: 12.451 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BM043343.D
Acq: 14 Dec 2023 19:32

Tgt Ion:142 Resp: 785869
Ion Ratio Lower Upper
142 100
141 87.4 70.0 105.0





#37

1-Methylnaphthalene

Concen: 10.166 ng/ul

RT: 12.669 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043343.D

Acq: 14 Dec 2023 19:32

Instrument :

BNA_P

ClientSampleId :

DCLG2

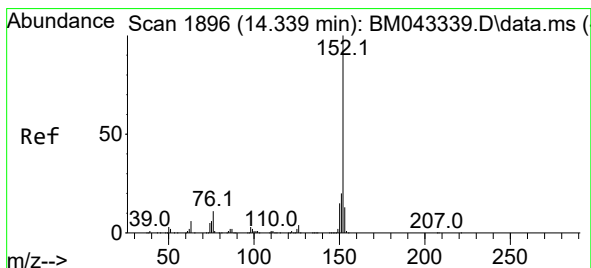
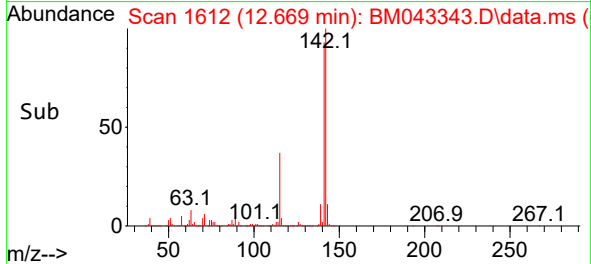
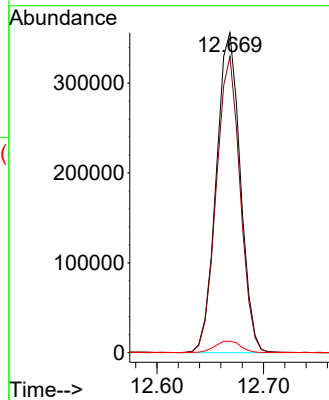
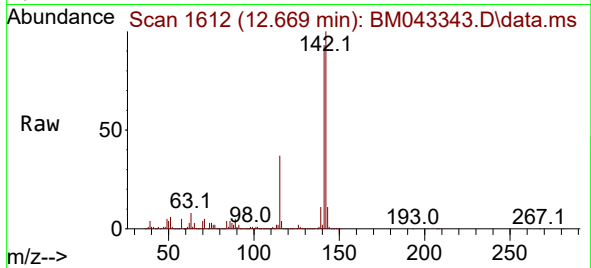
Tgt Ion:142 Resp: 557940

Ion Ratio Lower Upper

142 100

141 92.5 71.9 107.9

116 3.6 2.8 4.2



#50

Acenaphthylene

Concen: 3.287 ng/ul

RT: 14.339 min Scan# 1896

Delta R.T. -0.012 min

Lab File: BM043343.D

Acq: 14 Dec 2023 19:32

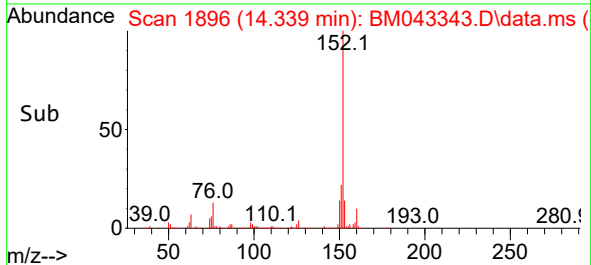
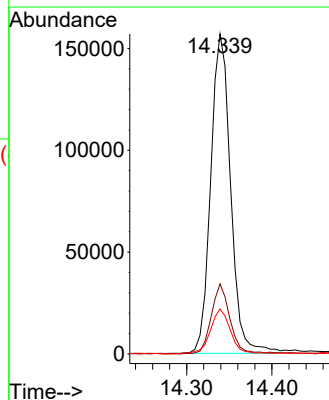
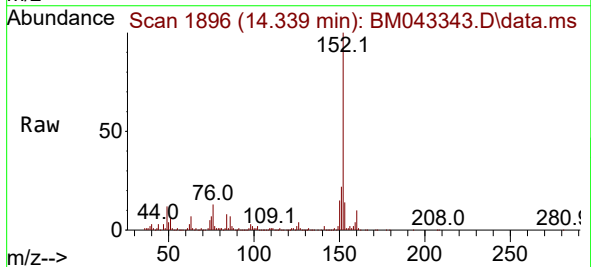
Tgt Ion:152 Resp: 254465

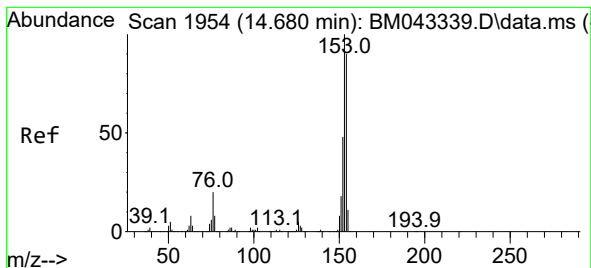
Ion Ratio Lower Upper

152 100

151 21.9 16.0 24.0

153 14.1 10.3 15.5





#52

Acenaphthene

Concen: 3.715 ng/ul

RT: 14.680 min Scan# 1954

Delta R.T. -0.006 min

Lab File: BM043343.D

Acq: 14 Dec 2023 19:32

Instrument :

BNA_P

ClientSampleId :

DCLG2

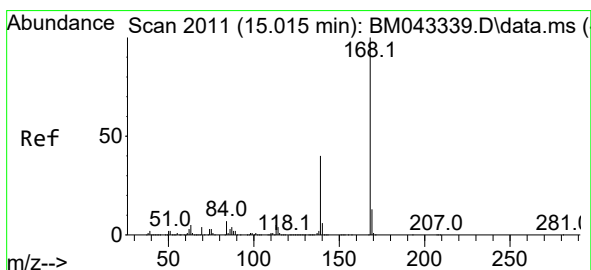
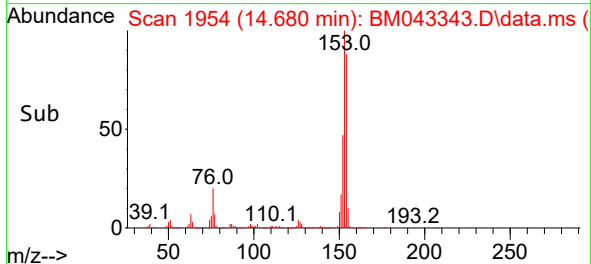
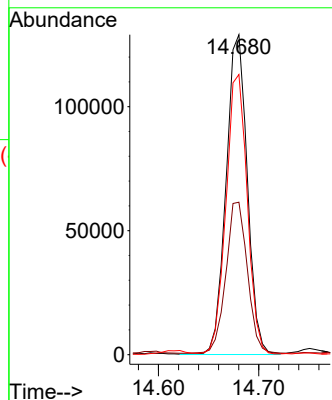
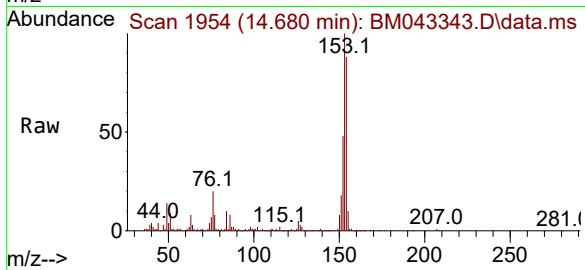
Tgt Ion:153 Resp: 189719

Ion Ratio Lower Upper

153 100

152 47.7 38.6 58.0

154 87.5 71.6 107.4



#56

Dibenzofuran

Concen: 1.095 ng/ul

RT: 15.015 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BM043343.D

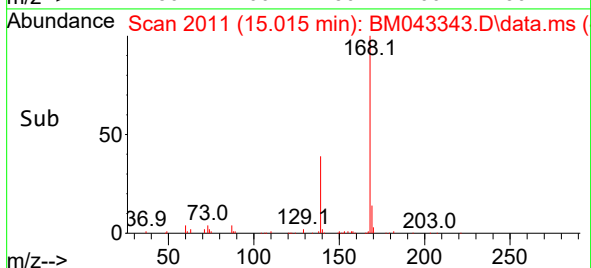
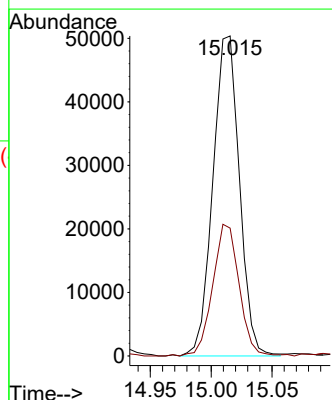
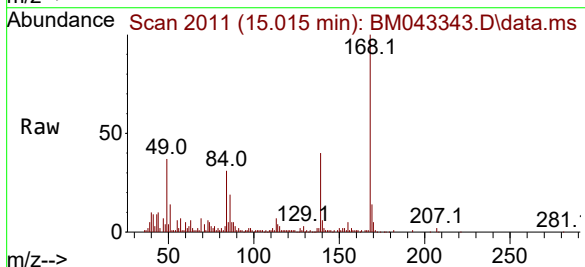
Acq: 14 Dec 2023 19:32

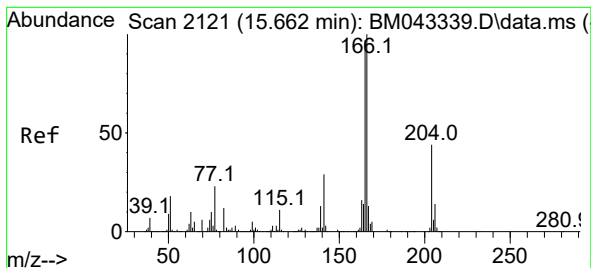
Tgt Ion:168 Resp: 76373

Ion Ratio Lower Upper

168 100

139 39.9 28.6 43.0





#61

Fluorene

Concen: 1.337 ng/ul

RT: 15.663 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BM043343.D

Acq: 14 Dec 2023 19:32

Instrument :

BNA_P

ClientSampleId :

DCLG2

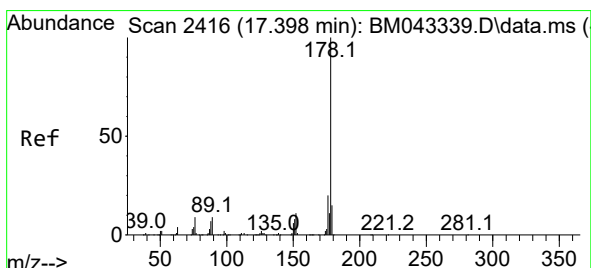
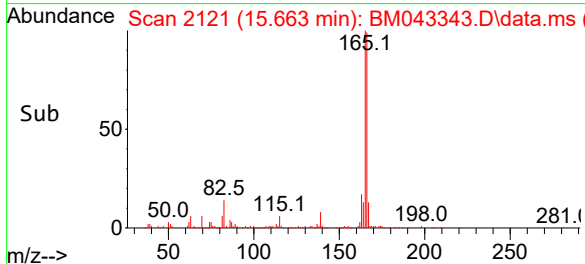
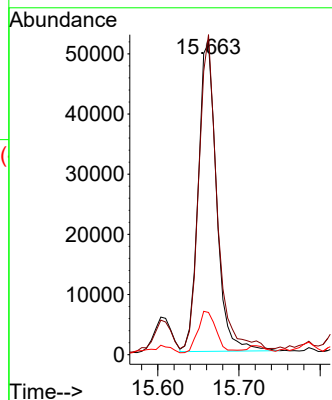
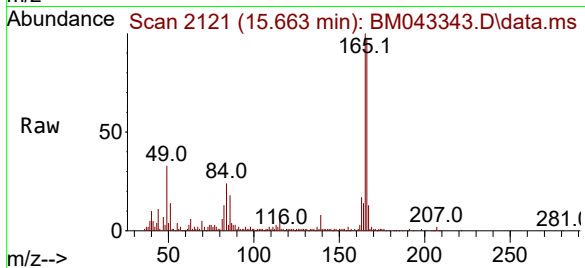
Tgt Ion:166 Resp: 80735

Ion Ratio Lower Upper

166 100

165 102.6 77.5 116.3

167 13.5 10.7 16.1



#72

Phenanthrene

Concen: 3.783 ng/ul

RT: 17.398 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM043343.D

Acq: 14 Dec 2023 19:32

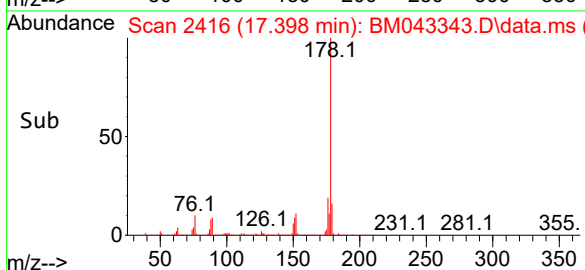
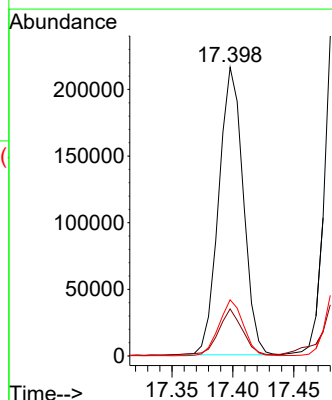
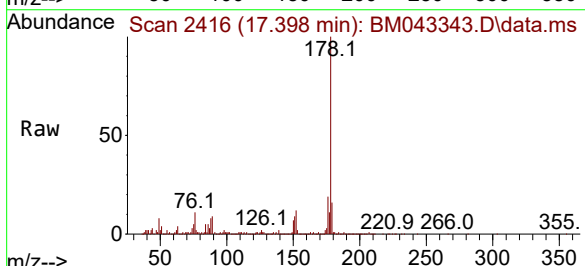
Tgt Ion:178 Resp: 302229

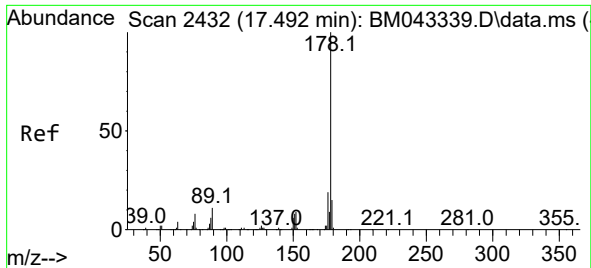
Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.2

176 19.5 15.7 23.5

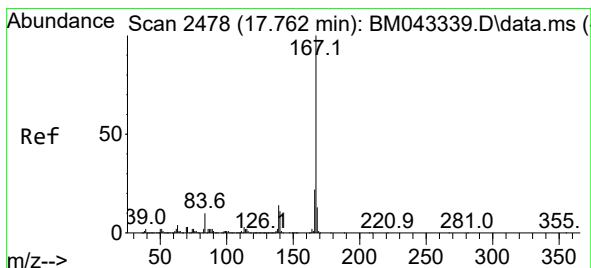
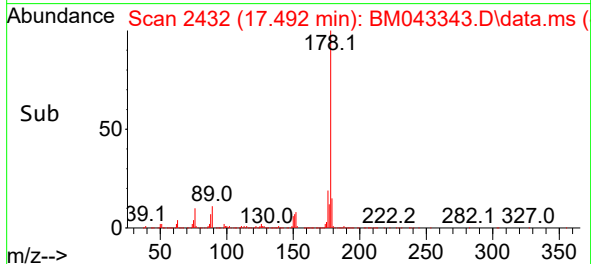
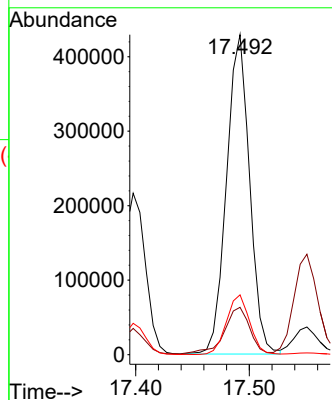
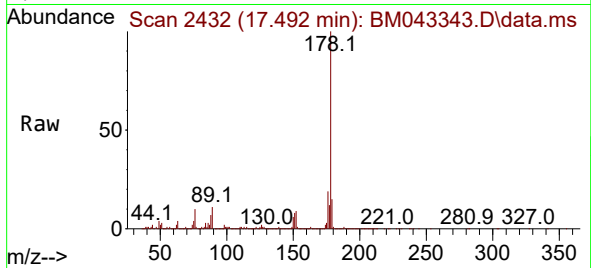




#74
 Anthracene
 Concen: 7.521 ng/ul
 RT: 17.492 min Scan# 2432
 Delta R.T. -0.006 min
 Lab File: BM043343.D
 Acq: 14 Dec 2023 19:32

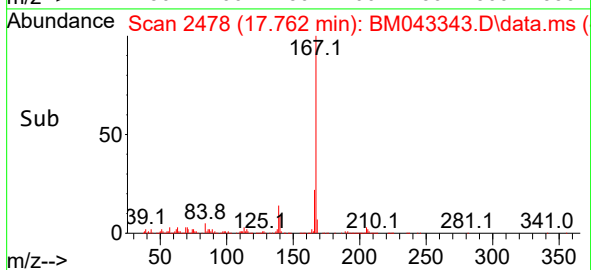
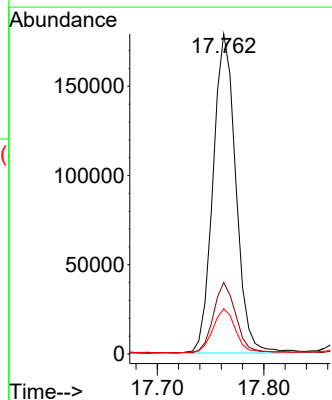
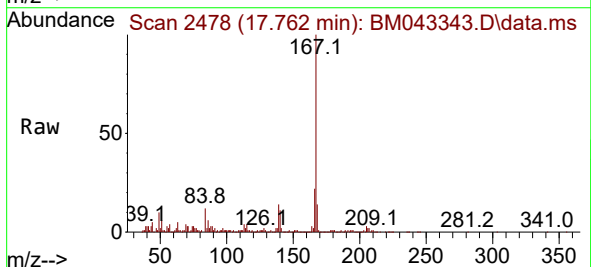
Instrument :
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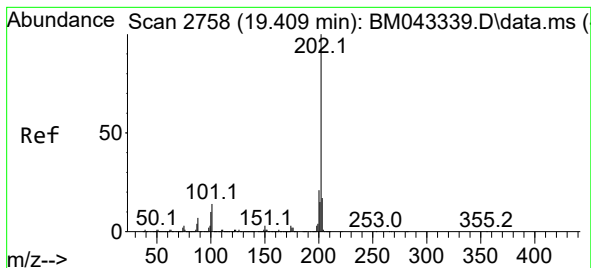
Tgt Ion:178 Resp: 605277
 Ion Ratio Lower Upper
 178 100
 179 14.8 12.1 18.1
 176 18.7 15.1 22.7



#77
 Carbazole
 Concen: 4.018 ng/ul
 RT: 17.762 min Scan# 2478
 Delta R.T. -0.012 min
 Lab File: BM043343.D
 Acq: 14 Dec 2023 19:32

Tgt Ion:167 Resp: 265636
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.1 25.7
 139 14.2 9.9 14.9





#80

Fluoranthene

Concen: 19.200 ng/ul

RT: 19.409 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043343.D

Acq: 14 Dec 2023 19:32

Instrument :

BNA_P

ClientSampleId :

DCLG2

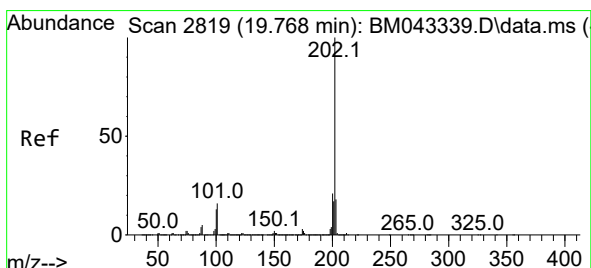
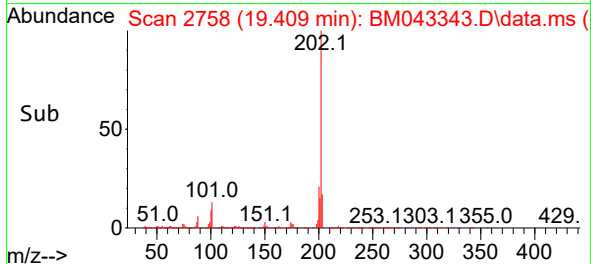
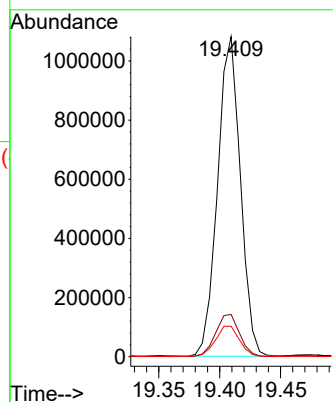
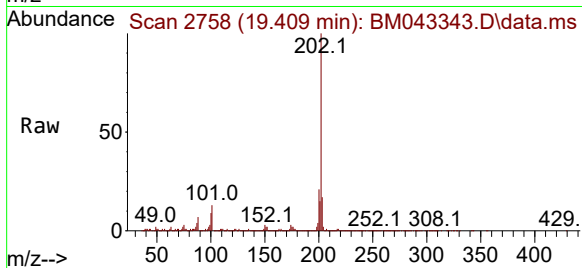
Tgt Ion:202 Resp: 1408430

Ion Ratio Lower Upper

202 100

101 13.2 8.2 12.2#

100 9.5 6.1 9.1#



#82

Pyrene

Concen: 22.437 ng/ul

RT: 19.768 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BM043343.D

Acq: 14 Dec 2023 19:32

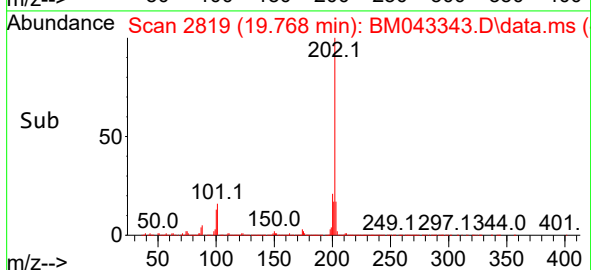
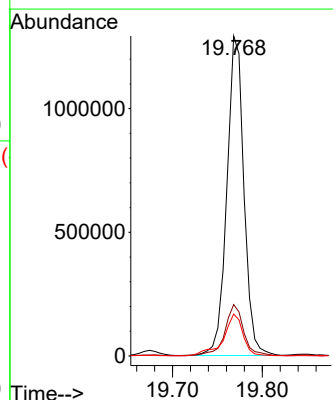
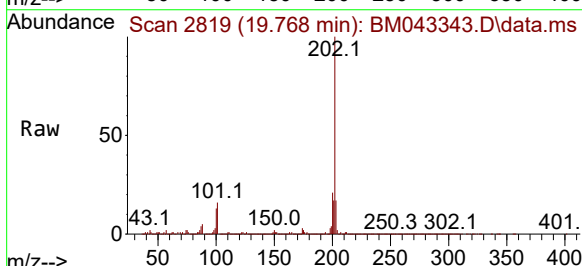
Tgt Ion:202 Resp: 1712075

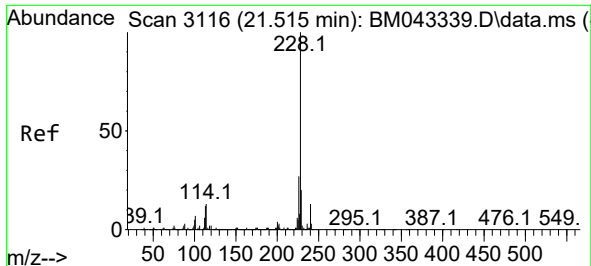
Ion Ratio Lower Upper

202 100

101 16.0 10.2 15.2#

100 13.1 8.2 12.2#

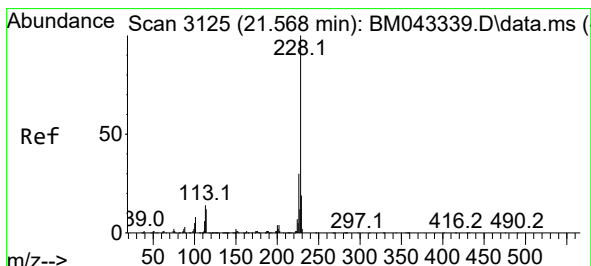
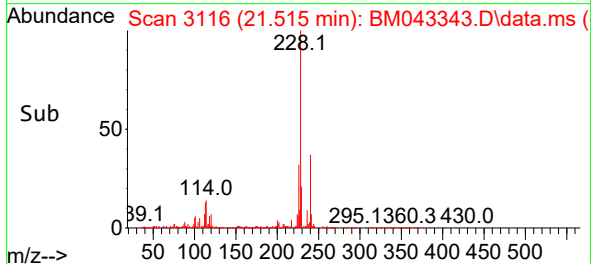
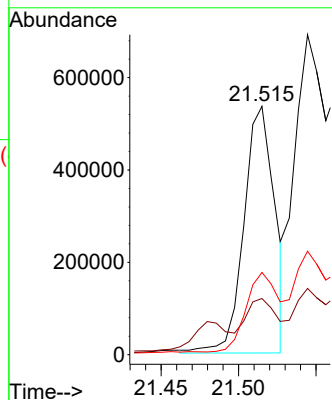
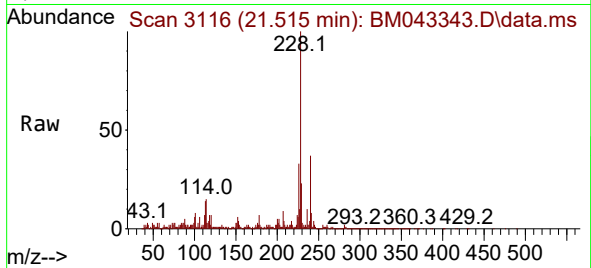




#85
Benzo(a)anthracene
Concen: 9.639 ng/ul
RT: 21.515 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM043343.D
Acq: 14 Dec 2023 19:32

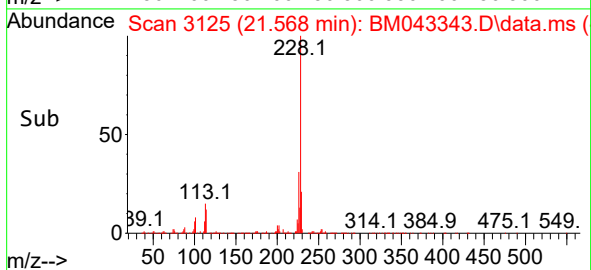
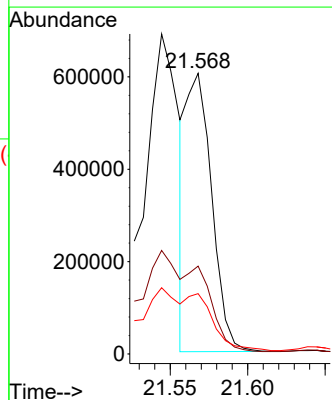
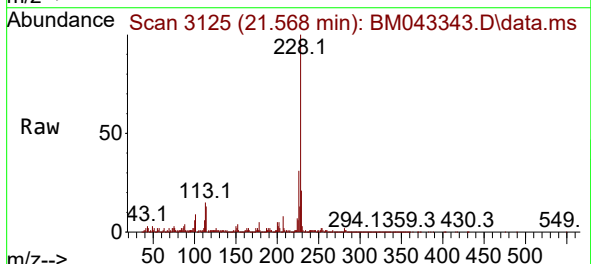
Instrument :
BNA_P
ClientSampleId :
DCLG2

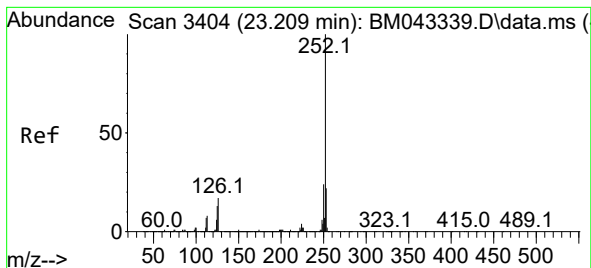
Tgt Ion:228 Resp: 738621
Ion Ratio Lower Upper
228 100
229 22.6 15.8 23.8
226 33.1 22.2 33.4



#87
Chrysene
Concen: 10.034 ng/ul
RT: 21.568 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM043343.D
Acq: 14 Dec 2023 19:32

Tgt Ion:228 Resp: 686743
Ion Ratio Lower Upper
228 100
226 31.3 24.8 37.2
229 21.5 16.2 24.2





#90

Benzo(b)fluoranthene

Concen: 46.131 ng/ul

RT: 23.215 min Scan# 3405

Delta R.T. -0.000 min

Lab File: BM043343.D

Acq: 14 Dec 2023 19:32

Instrument :

BNA_P

ClientSampleId :

DCLG2

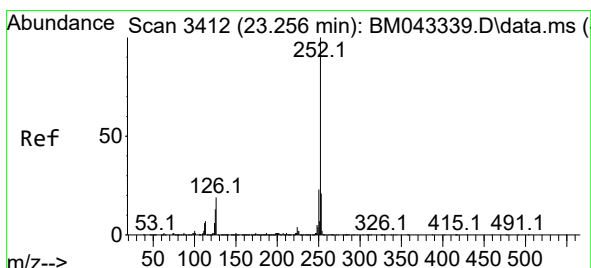
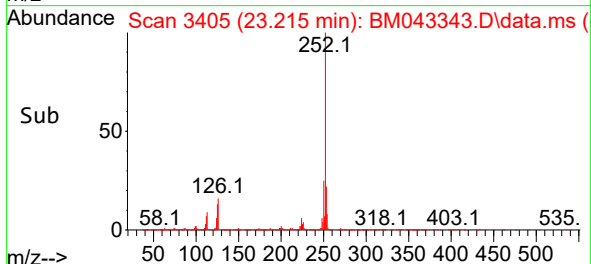
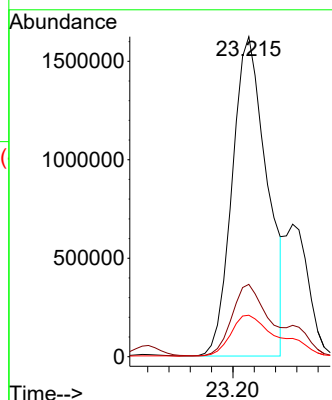
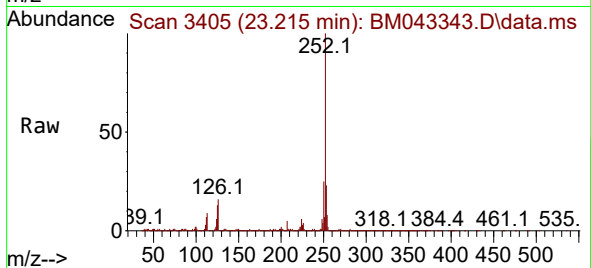
Tgt Ion:252 Resp: 3677254

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 13.0 7.2 10.8#



#91

Benzo(k)fluoranthene

Concen: 46.318 ng/ul

RT: 23.215 min Scan# 3405

Delta R.T. -0.053 min

Lab File: BM043343.D

Acq: 14 Dec 2023 19:32

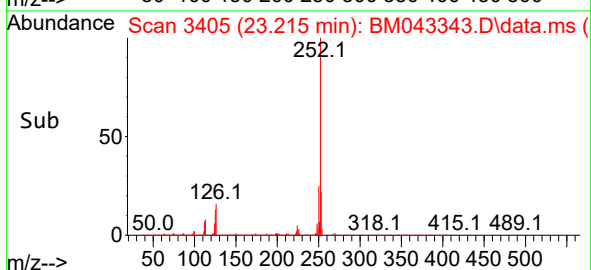
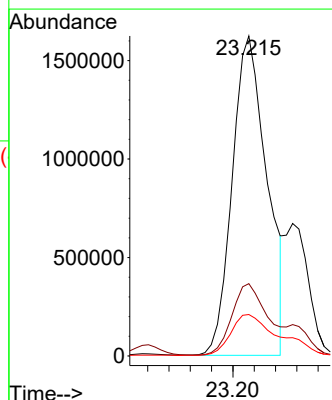
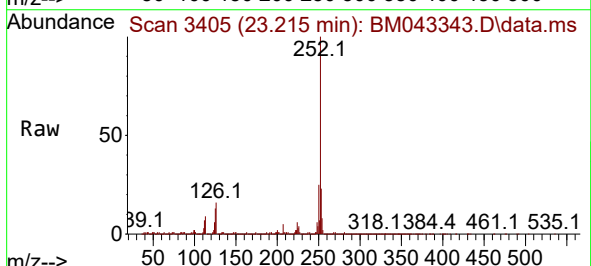
Tgt Ion:252 Resp: 3677254

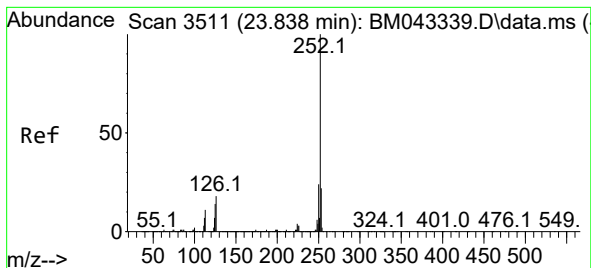
Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

125 13.0 7.7 11.5#





#93

Benzo(a)pyrene

Concen: 18.311 ng/ul

RT: 23.844 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM043343.D

Acq: 14 Dec 2023 19:32

Instrument :

BNA_P

ClientSampleId :

DCLG2

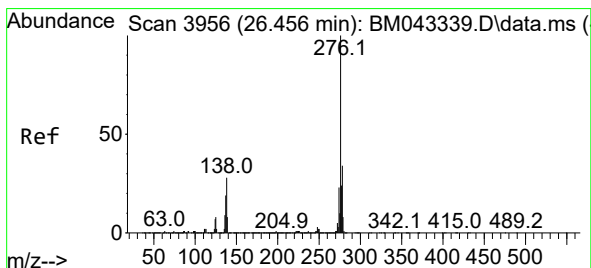
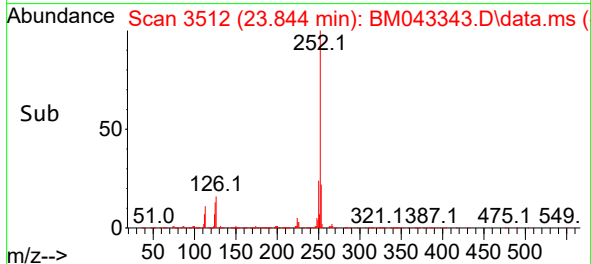
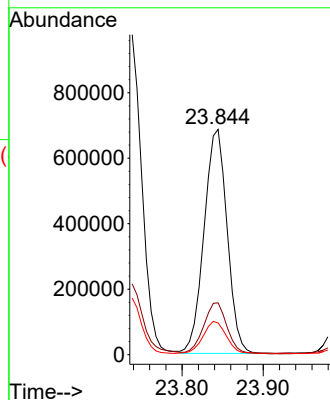
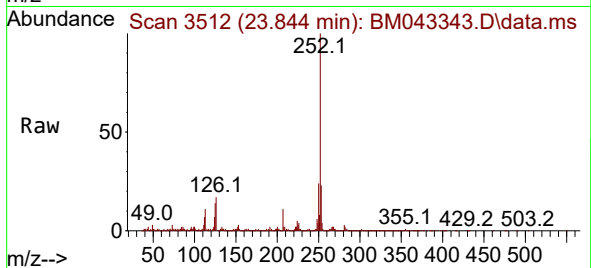
Tgt Ion:252 Resp: 1349174

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 14.1 8.4 12.6#



#94

Indeno(1,2,3-cd)pyrene

Concen: 13.366 ng/ul

RT: 26.456 min Scan# 3956

Delta R.T. -0.018 min

Lab File: BM043343.D

Acq: 14 Dec 2023 19:32

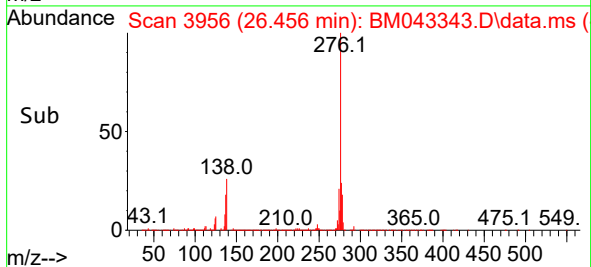
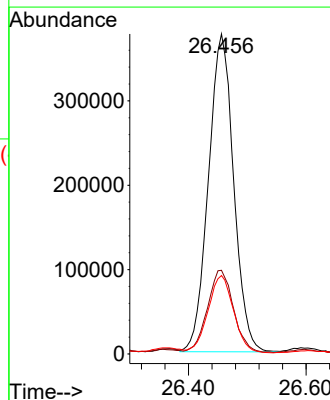
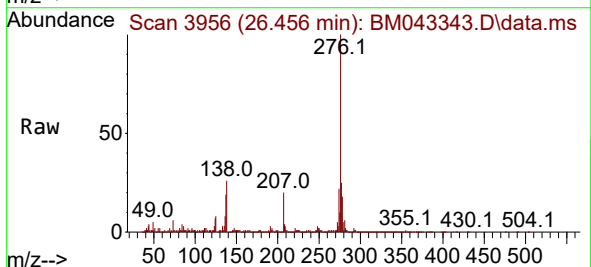
Tgt Ion:276 Resp: 1121793

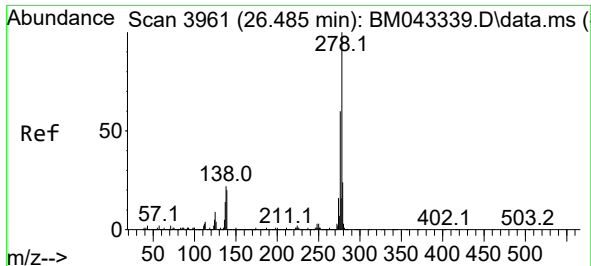
Ion Ratio Lower Upper

276 100

138 26.2 16.9 25.3#

277 24.5 19.5 29.3

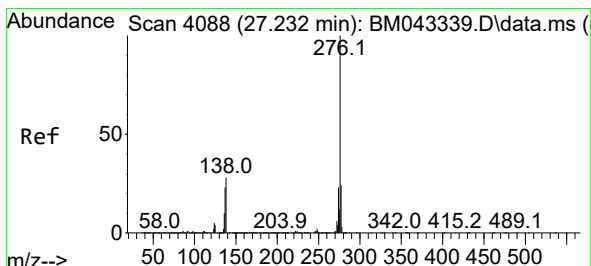
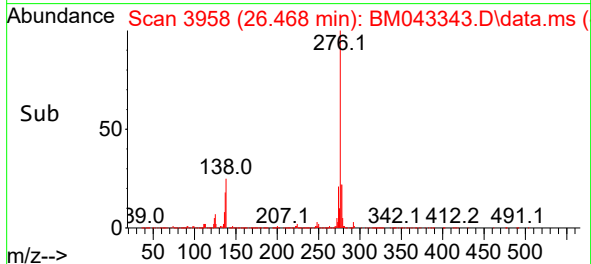
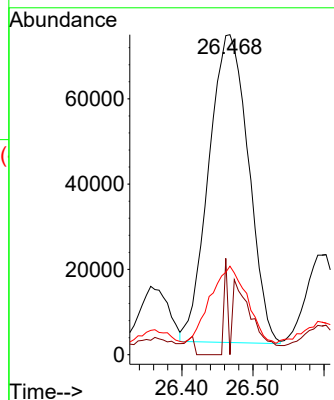
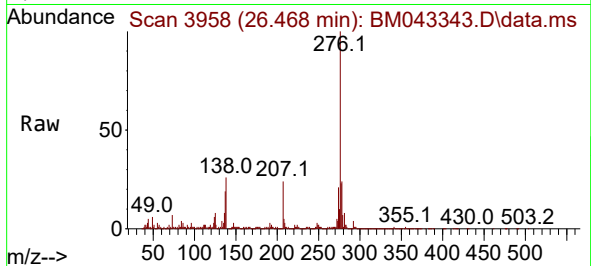




#95
 Dibenzo(a,h)anthracene
 Concen: 3.989 ng/ul
 RT: 26.468 min Scan# 3958
 Delta R.T. -0.035 min
 Lab File: BM043343.D
 Acq: 14 Dec 2023 19:32

Instrument :
 BNA_P
 ClientSampleId :
 DCLG2

Tgt Ion:278 Resp: 279961
 Ion Ratio Lower Upper
 278 100
 139 0.0 11.9 17.9#
 279 27.7 19.4 29.2



#96
 Benzo(g,h,i)perylene
 Concen: 5.267 ng/ul
 RT: 27.226 min Scan# 4087
 Delta R.T. -0.018 min
 Lab File: BM043343.D
 Acq: 14 Dec 2023 19:32

Tgt Ion:276 Resp: 333013
 Ion Ratio Lower Upper
 276 100
 138 28.9 16.2 24.2#
 277 24.7 18.7 28.1

