

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121423\
 Data File : BM043346.D
 Acq On : 14 Dec 2023 21:20
 Operator : MA/JU
 Sample : 05626-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 14 23:28:15 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	313073	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.792	136	1323067	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.616	164	726235	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.362	188	1362755	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.533	240	1097754	20.000	ng/ul	# 0.00
88) Perylene-d12	23.944	264	1196997	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	51653	6.475	ng/uL	0.00
4) Pyridine-d5	3.805	84	738633	31.207	ng/ul	-0.01
7) Phenol-d5	7.145	99	1051879	33.843	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.322	67	674836	35.073	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.510	132	804786	33.965	ng/ul	-0.02
15) 4-Methylphenol-d8	8.692	113	823316	33.483	ng/ul	-0.02
21) Nitrobenzene-d5	9.157	128	408656	36.238	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.875	143	428847	39.437	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.410	165	728182	30.043	ng/ul	-0.02
31) 4-Chloroaniline-d4	10.939	131	1089435	31.238	ng/ul	-0.01
46) Dimethylphthalate-d6	14.033	166	2066848	32.466	ng/ul	-0.01
49) Acenaphthylene-d8	14.310	160	2506280	34.029	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.816	143	362049	31.738	ng/ul	0.00
60) Fluorene-d10	15.604	176	1744481	31.436	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.727	200	205527	27.402	ng/ul	0.00
73) Anthracene-d10	17.462	188	2450069	33.232	ng/ul	0.00
81) Pyrene-d10	19.745	212	2754384	39.214	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.791	264	2384538	34.140	ng/ul	0.00
Target Compounds						Qvalue
30) Naphthalene	10.845	128	396935	4.888	ng/ul	99
36) 2-Methylnaphthalene	12.451	142	465553	7.968	ng/ul	100
37) 1-Methylnaphthalene	12.669	142	320972	5.412	ng/ul	100
43) 1,1'-Biphenyl	13.457	154	133193	2.073	ng/ul#	97
50) Acenaphthylene	14.339	152	245344	2.947	ng/ul	97
52) Acenaphthene	14.680	153	2828854	51.520	ng/ul	100
56) Dibenzofuran	15.016	168	3025956	40.344	ng/ul	94
61) Fluorene	15.663	166	3263192	50.260	ng/ul	100
63) 4-Nitroaniline	15.663	138	37802	2.948	ng/ul#	19
72) Phenanthrene	17.404	178	16504467	194.219	ng/ul#	78
74) Anthracene	17.551	178	129189	1.509	ng/ul#	1
77) Carbazole	17.768	167	1850613	26.319	ng/ul	98
82) Pyrene	19.774	202	14521151	173.252	ng/ul#	89
85) Benzo(a)anthracene	21.515	228	3898180	46.315	ng/ul	98
87) Chrysene	21.568	228	4195706	55.814	ng/ul	99
90) Benzo(b)fluoranthene	23.209	252	2620633	30.685	ng/ul#	95
91) Benzo(k)fluoranthene	23.256	252	831863	9.780	ng/ul#	96
93) Benzo(a)pyrene	23.839	252	1346022	17.051	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	26.456	276	519243	5.775	ng/ul#	94
95) Dibenzo(a,h)anthracene	26.468	278	131441	1.748	ng/ul#	88
96) Benzo(g,h,i)perylene	27.227	276	401160	5.921	ng/ul#	92

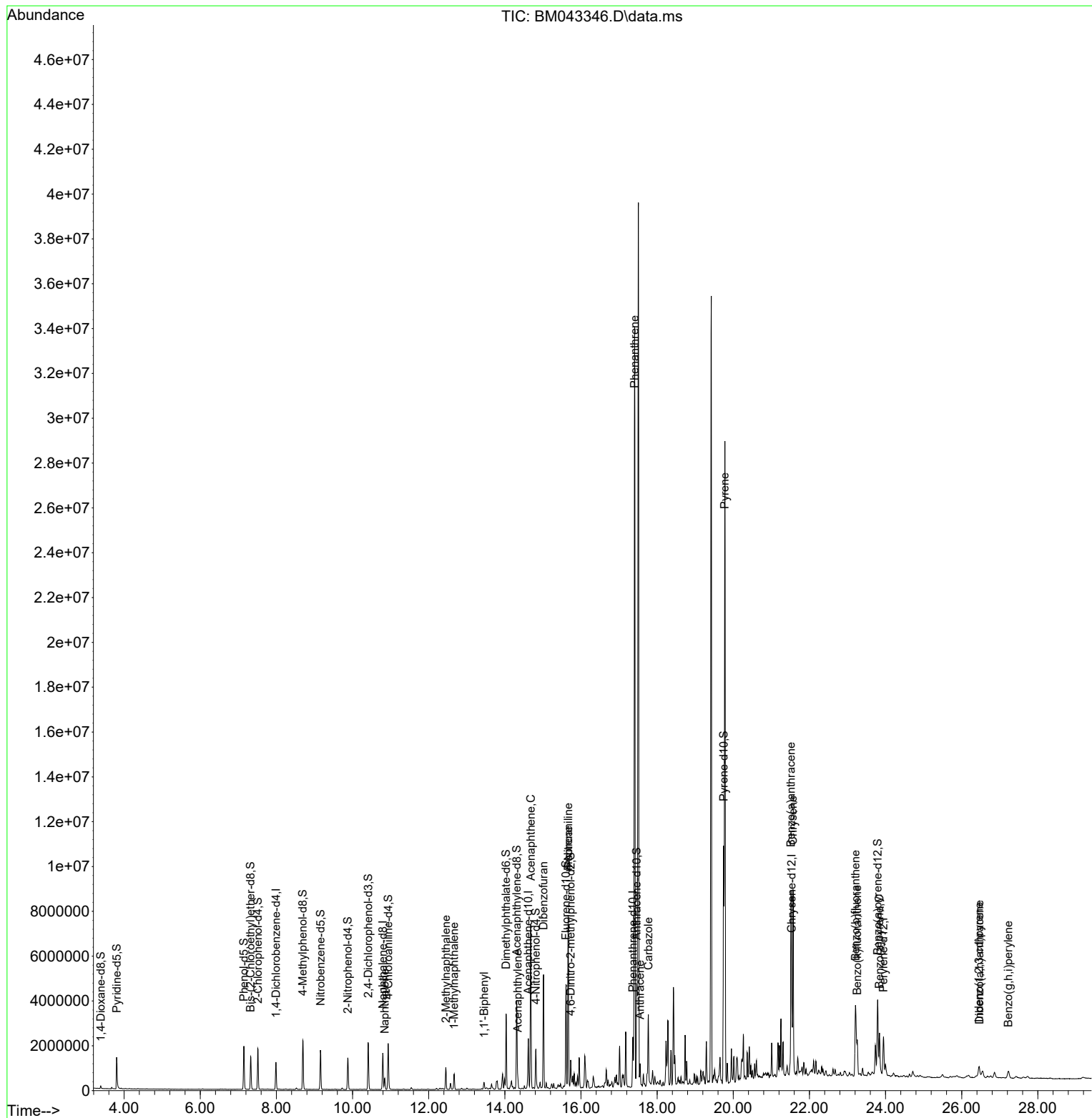
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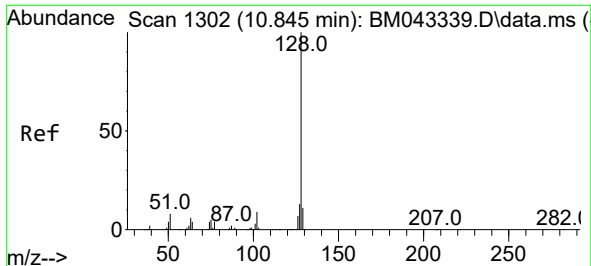
Instrument :
BNA_P
ClientSampleId :

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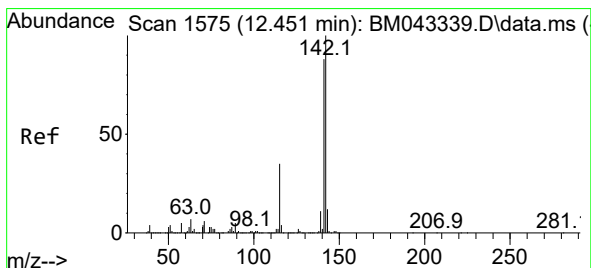
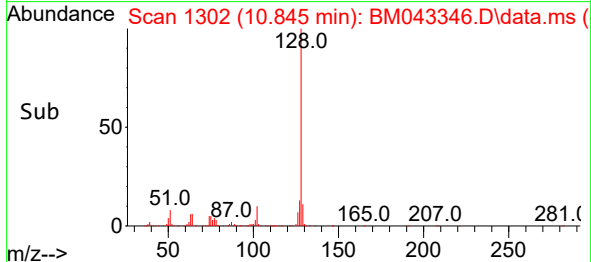
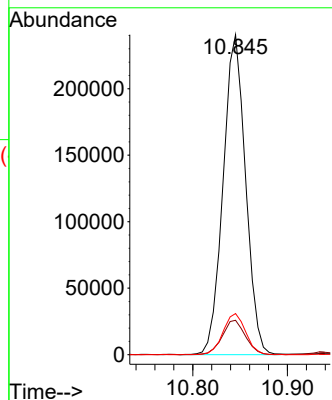
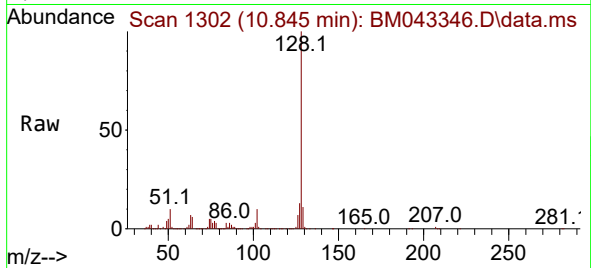




#30
Naphthalene
Concen: 4.888 ng/ul
RT: 10.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM043346.D
Acq: 14 Dec 2023 21:20

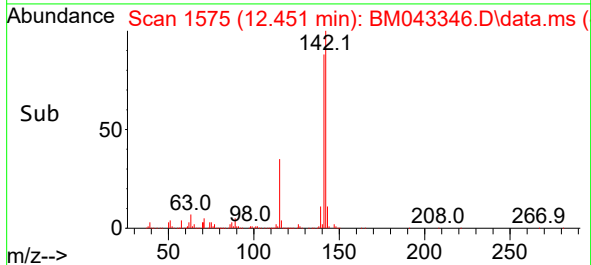
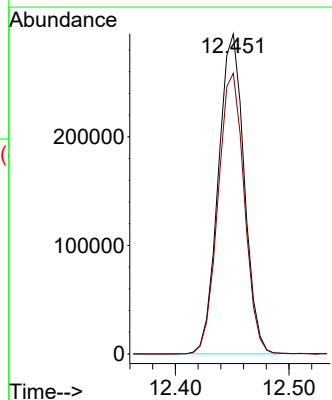
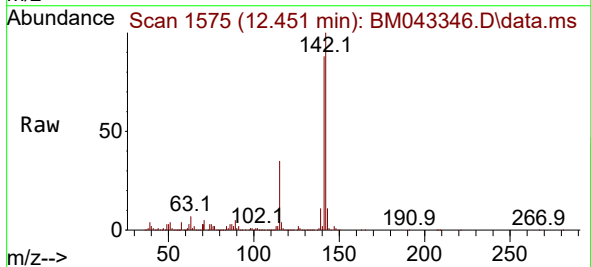
Instrument :
BNA_P
ClientSampleId :

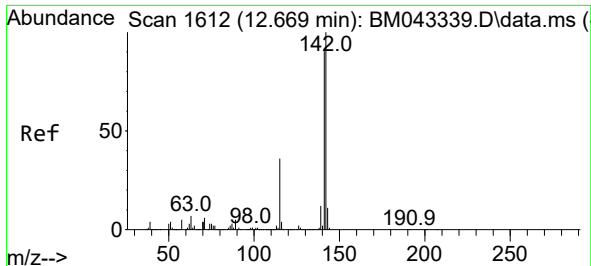
Tgt Ion:128 Resp: 396935
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 12.8 10.4 15.6



#36
2-Methylnaphthalene
Concen: 7.968 ng/ul
RT: 12.451 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BM043346.D
Acq: 14 Dec 2023 21:20

Tgt Ion:142 Resp: 465553
Ion Ratio Lower Upper
142 100
141 87.8 70.0 105.0





#37

1-Methylnaphthalene

Concen: 5.412 ng/ul

RT: 12.669 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

Instrument :

BNA_P

ClientSampleId :

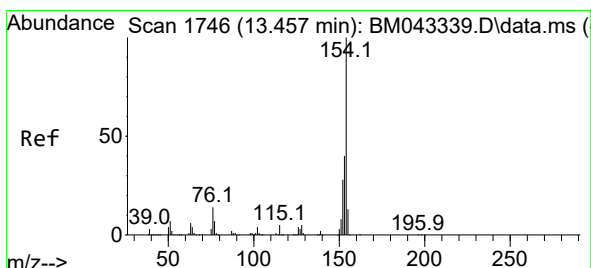
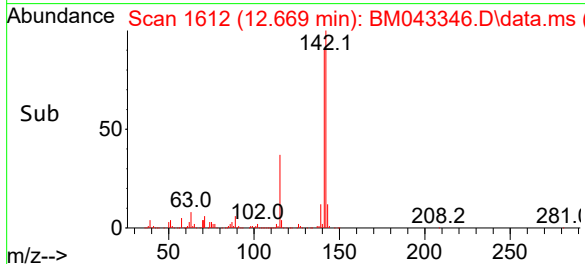
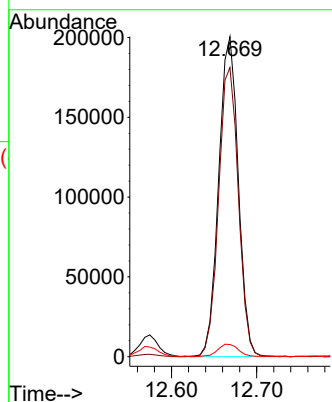
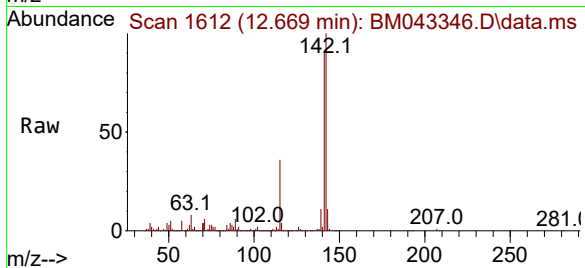
Tgt Ion:142 Resp: 320972

Ion Ratio Lower Upper

142 100

141 90.3 71.9 107.9

116 3.8 2.8 4.2



#43

1,1'-Biphenyl

Concen: 2.073 ng/ul

RT: 13.457 min Scan# 1746

Delta R.T. -0.012 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

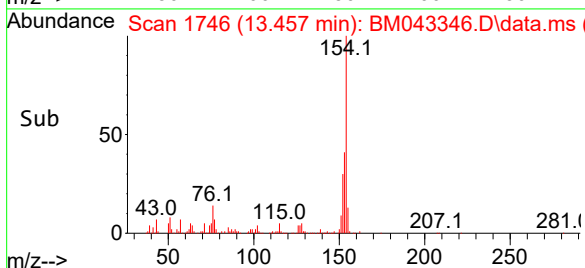
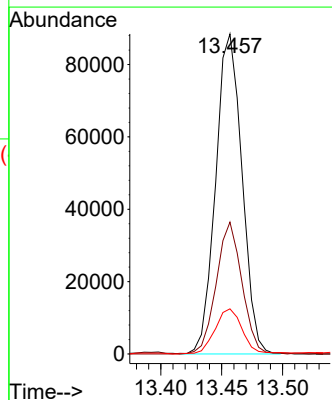
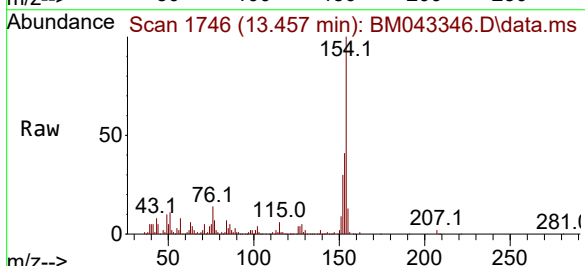
Tgt Ion:154 Resp: 133193

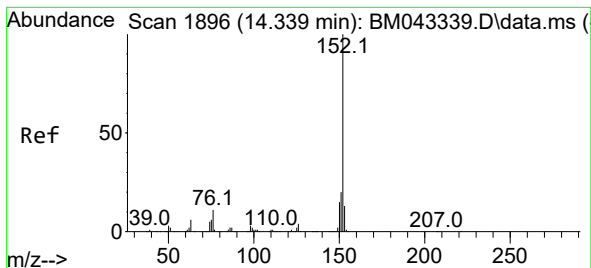
Ion Ratio Lower Upper

154 100

153 41.2 31.8 47.6

76 14.1 9.3 13.9#





#50

Acenaphthylene

Concen: 2.947 ng/ul

RT: 14.339 min Scan# 1896

Delta R.T. -0.012 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

Instrument :

BNA_P

ClientSampleId :

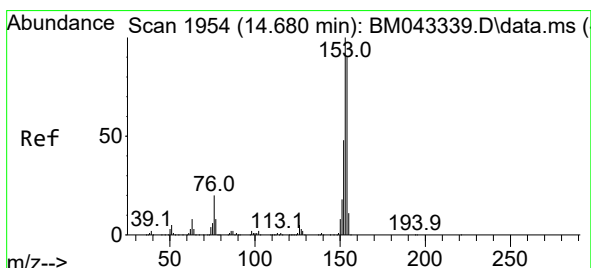
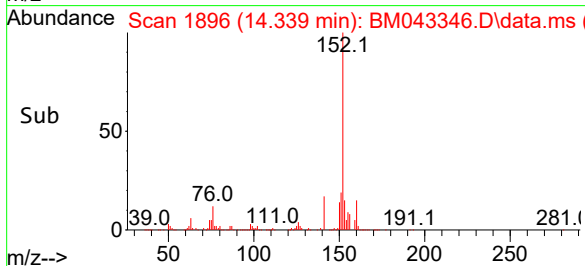
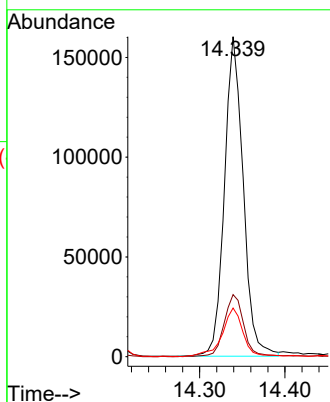
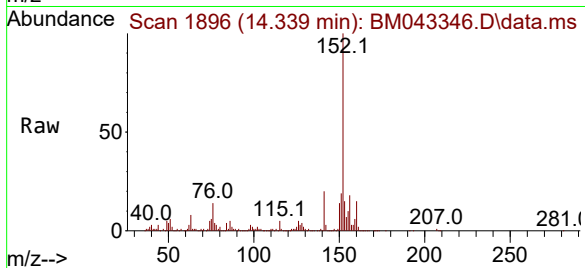
Tgt Ion:152 Resp: 245344

Ion Ratio Lower Upper

152 100

151 19.4 16.0 24.0

153 15.2 10.3 15.5



#52

Acenaphthene

Concen: 51.520 ng/ul

RT: 14.680 min Scan# 1954

Delta R.T. -0.006 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

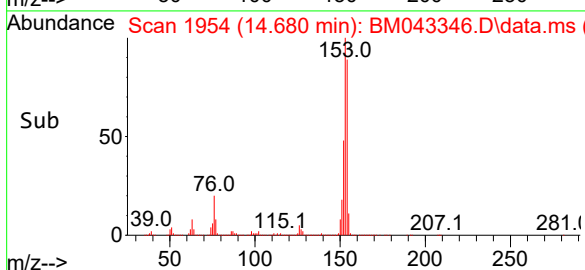
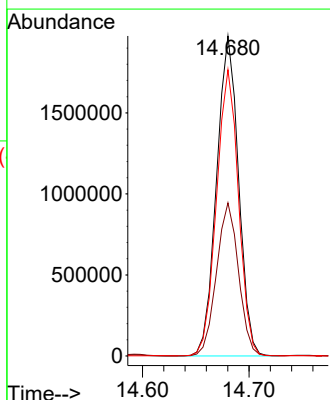
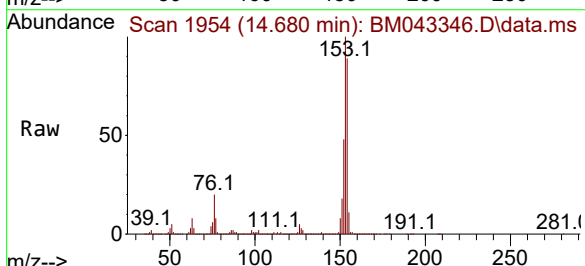
Tgt Ion:153 Resp: 2828854

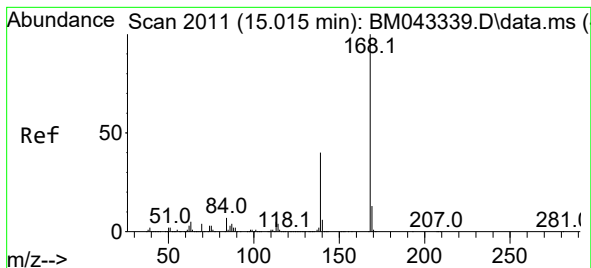
Ion Ratio Lower Upper

153 100

152 47.9 38.6 58.0

154 89.4 71.6 107.4

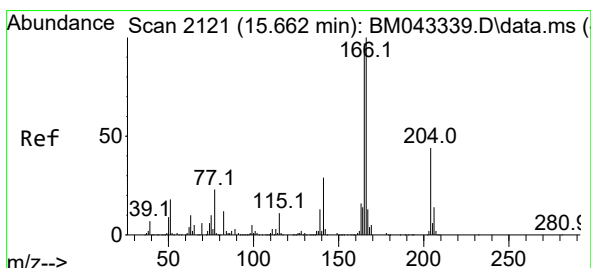
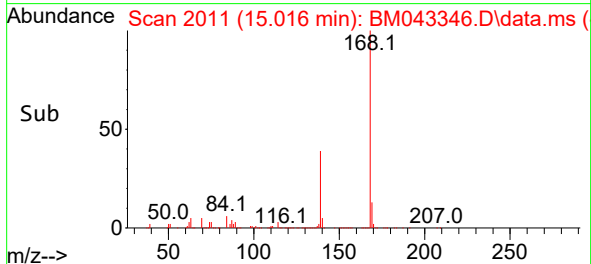
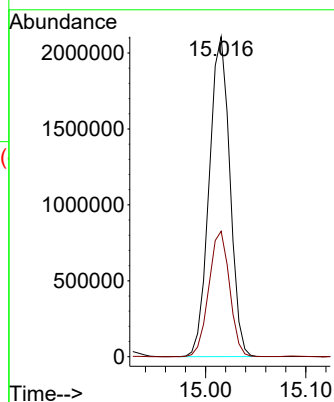
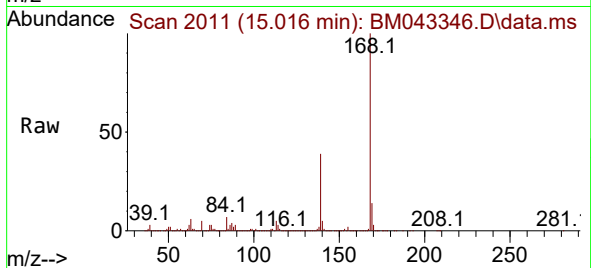




#56
Dibenzenofuran
Concen: 40.344 ng/ul
RT: 15.016 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM043346.D
Acq: 14 Dec 2023 21:20

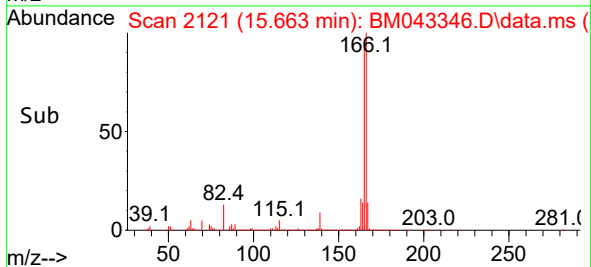
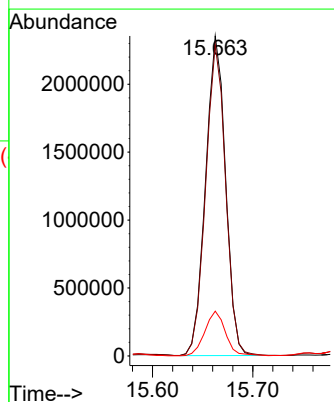
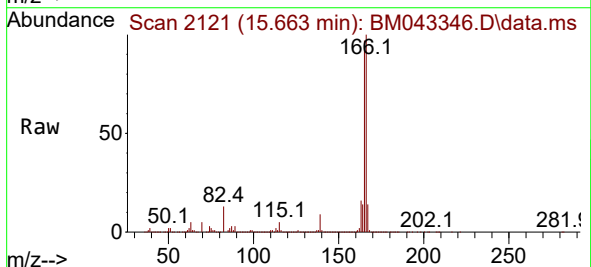
Instrument :
BNA_P
ClientSampleId :

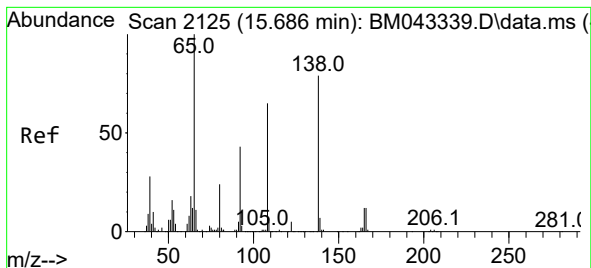
Tgt Ion:168 Resp: 3025956
Ion Ratio Lower Upper
168 100
139 39.2 28.6 43.0



#61
Fluorene
Concen: 50.260 ng/ul
RT: 15.663 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM043346.D
Acq: 14 Dec 2023 21:20

Tgt Ion:166 Resp: 3263192
Ion Ratio Lower Upper
166 100
165 97.2 77.5 116.3
167 14.0 10.7 16.1

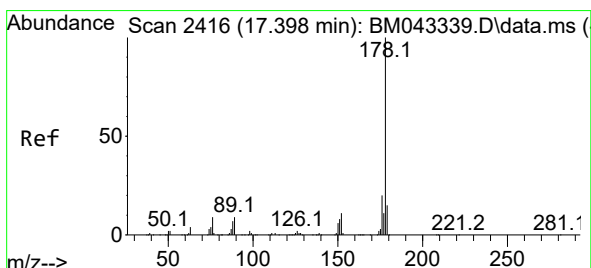
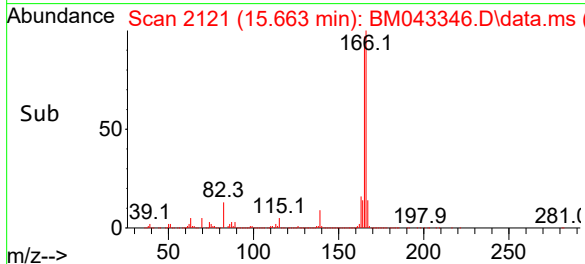
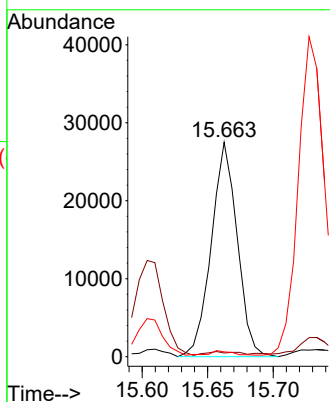
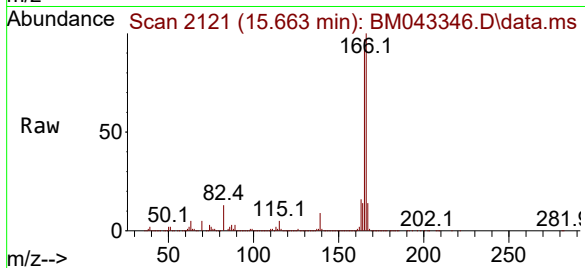




#63
4-Nitroaniline
Concen: 2.948 ng/ul
RT: 15.663 min Scan# 2125
Delta R.T. -0.035 min
Lab File: BM043346.D
Acq: 14 Dec 2023 21:20

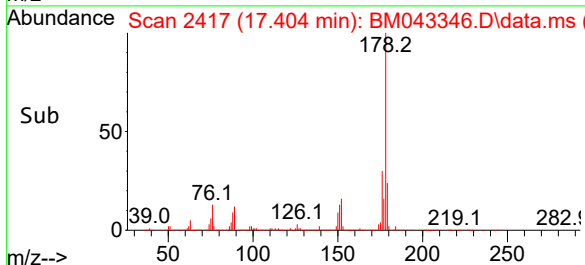
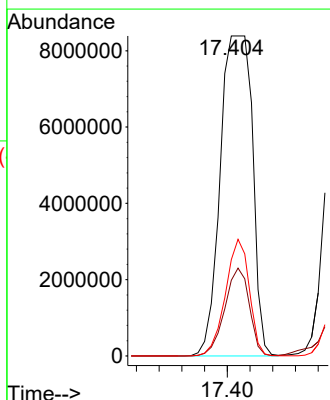
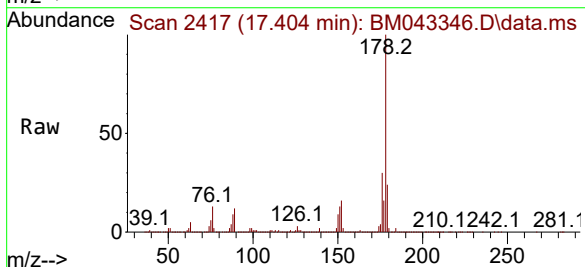
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BNA_P
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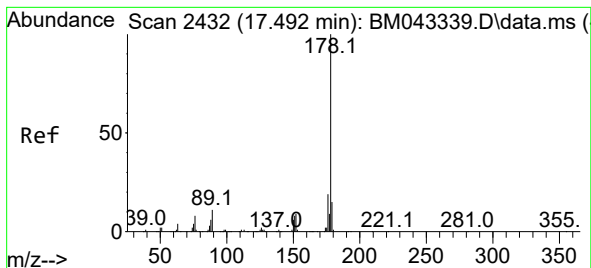
Tgt Ion:138 Resp: 37802
Ion Ratio Lower Upper
138 100
92 1.7 40.1 60.1#
108 2.2 63.0 94.6#



#72
Phenanthrene
Concen: 194.219 ng/ul
RT: 17.404 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM043346.D
Acq: 14 Dec 2023 21:20

Tgt Ion:178 Resp:16504467
Ion Ratio Lower Upper
178 100
179 23.7 12.2 18.2#
176 30.1 15.7 23.5#





#74

Anthracene

Concen: 1.509 ng/ul

RT: 17.551 min Scan# 2442

Delta R.T. 0.053 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

Instrument :

BNA_P

ClientSampleId :

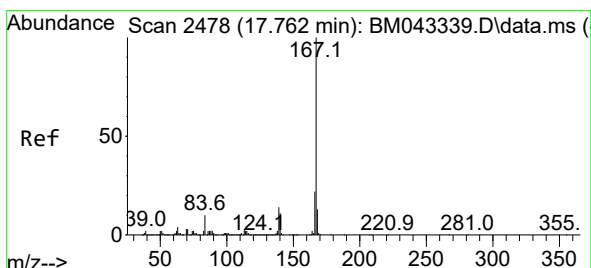
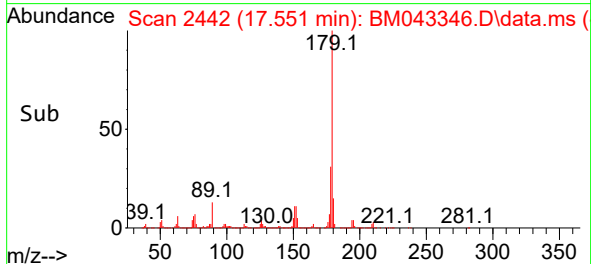
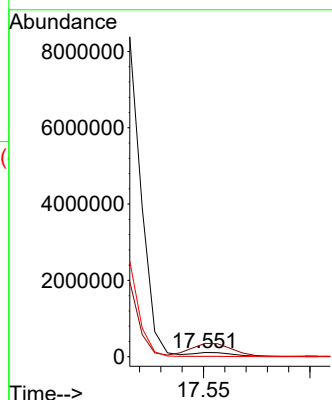
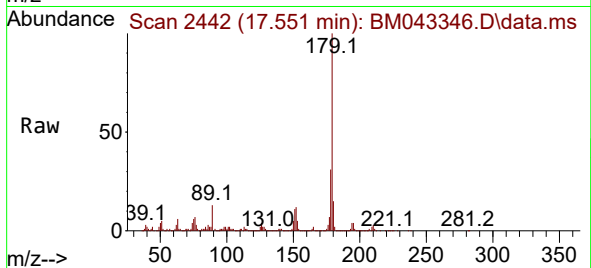
Tgt Ion:178 Resp: 129189

Ion Ratio Lower Upper

178 100

179 319.7 12.1 18.1#

176 8.5 15.1 22.7#



#77

Carbazole

Concen: 26.319 ng/ul

RT: 17.768 min Scan# 2479

Delta R.T. -0.006 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

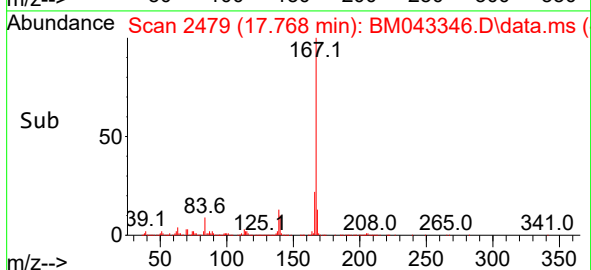
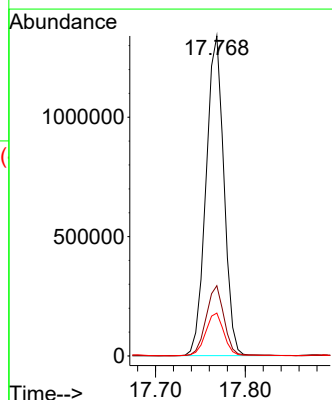
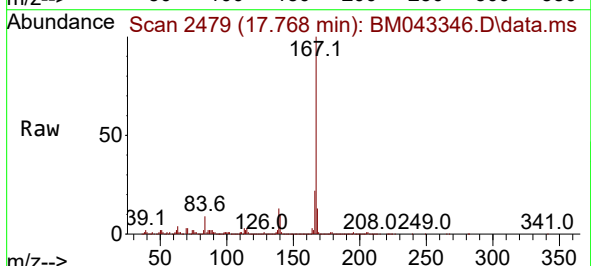
Tgt Ion:167 Resp: 1850613

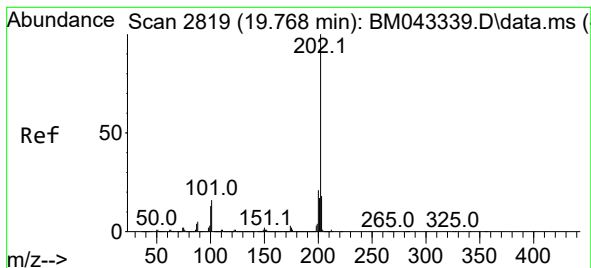
Ion Ratio Lower Upper

167 100

166 21.9 17.1 25.7

139 13.4 9.9 14.9





#82

Pyrene

Concen: 173.252 ng/ul

RT: 19.774 min Scan# 2

Delta R.T. -0.000 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

Instrument :

BNA_P

ClientSampleId :

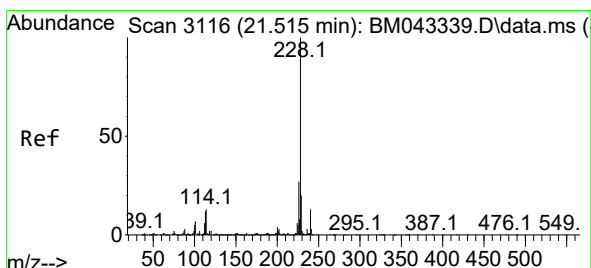
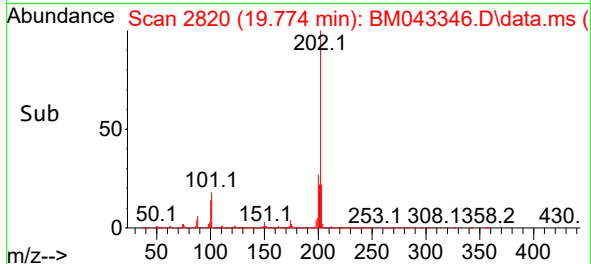
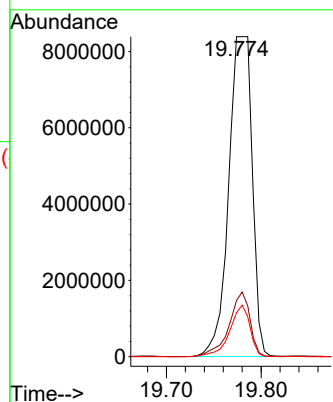
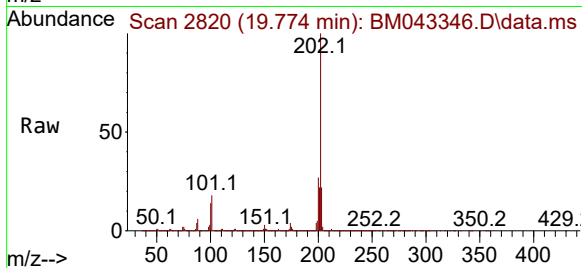
Tgt Ion:202 Resp:14521151

Ion Ratio Lower Upper

202 100

101 17.6 10.2 15.2#

100 13.8 8.2 12.2#



#85

Benzo(a)anthracene

Concen: 46.315 ng/ul

RT: 21.515 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

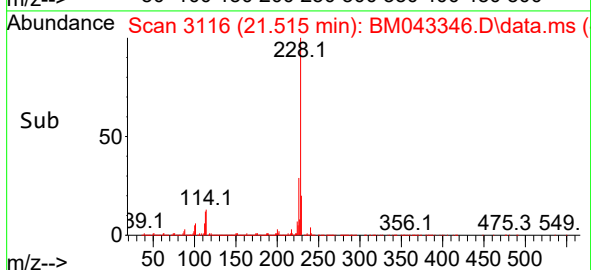
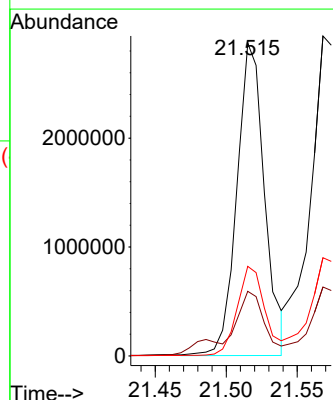
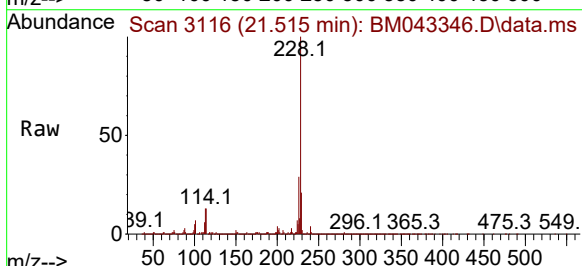
Tgt Ion:228 Resp: 3898180

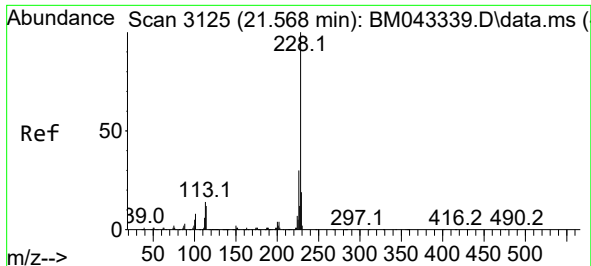
Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.8

226 28.7 22.2 33.4





#87

Chrysene

Concen: 55.814 ng/ul

RT: 21.568 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

Instrument :

BNA_P

ClientSampleId :

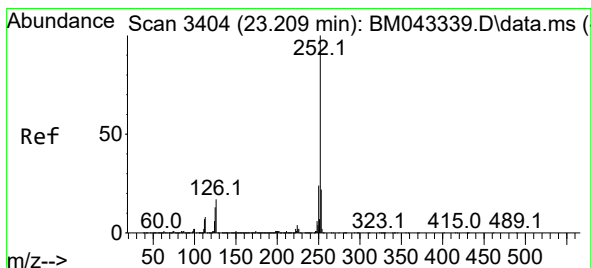
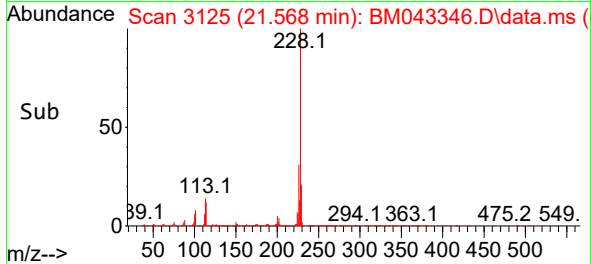
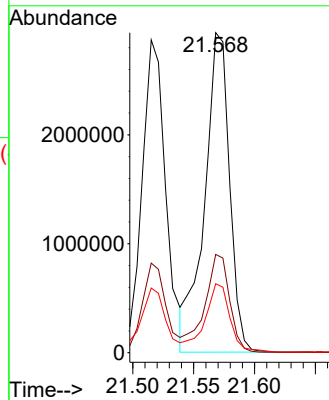
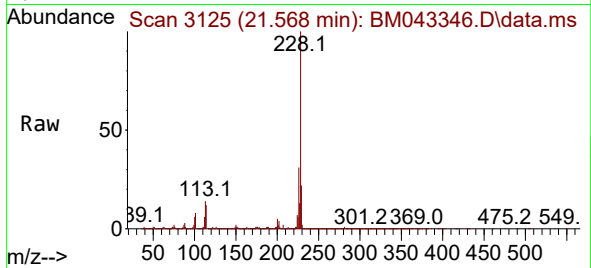
Tgt Ion:228 Resp: 4195706

Ion Ratio Lower Upper

228 100

226 30.7 24.8 37.2

229 21.5 16.2 24.2



#90

Benzo(b)fluoranthene

Concen: 30.685 ng/ul

RT: 23.209 min Scan# 3404

Delta R.T. -0.006 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

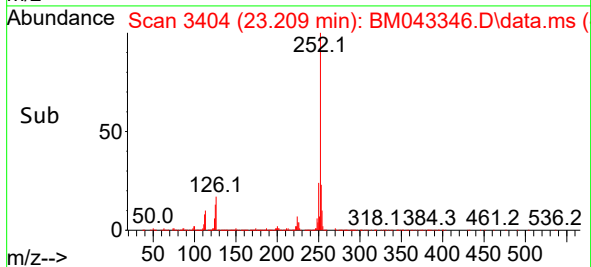
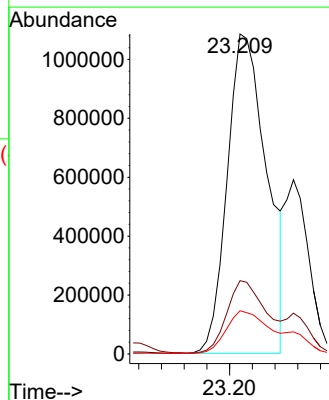
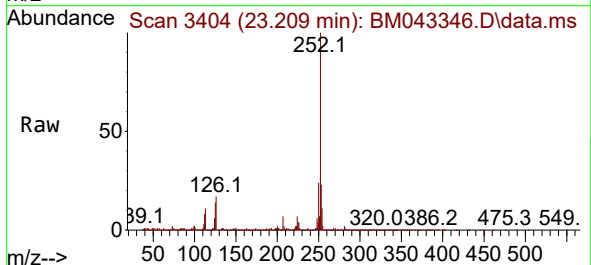
Tgt Ion:252 Resp: 2620633

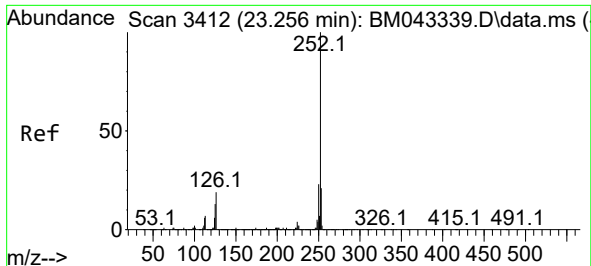
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

125 13.5 7.2 10.8#

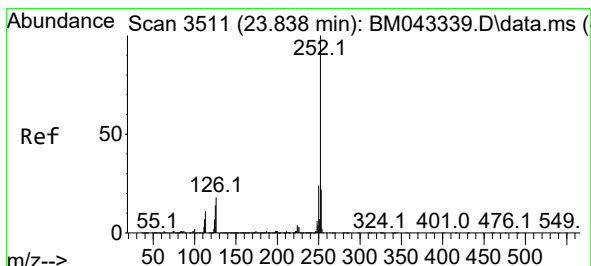
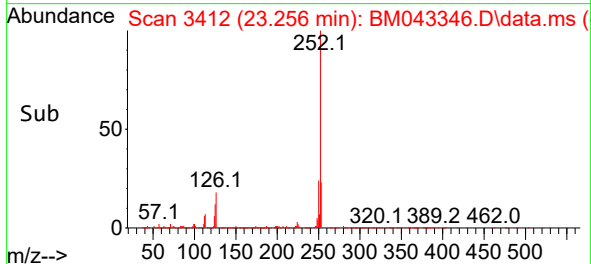
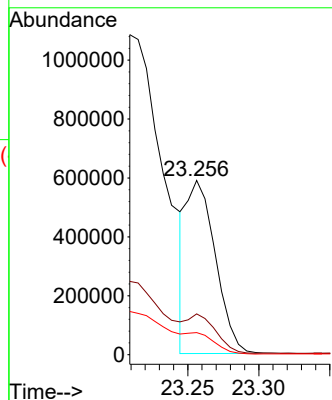
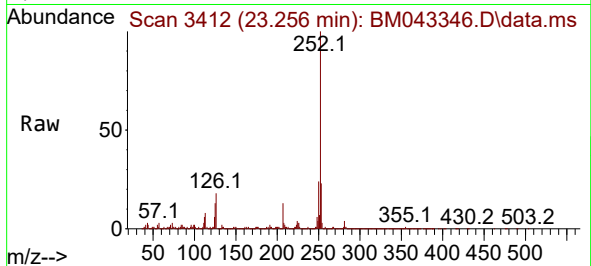




#91
Benzo(k)fluoranthene
Concen: 9.780 ng/ul
RT: 23.256 min Scan# 3412
Delta R.T. -0.012 min
Lab File: BM043346.D
Acq: 14 Dec 2023 21:20

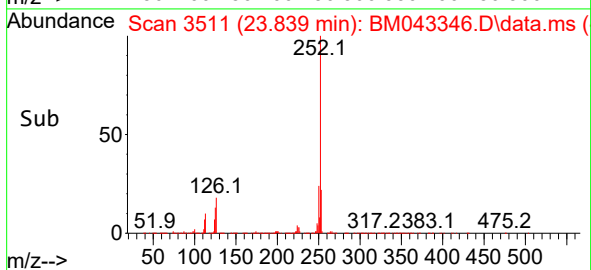
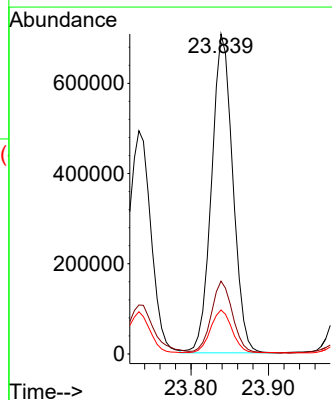
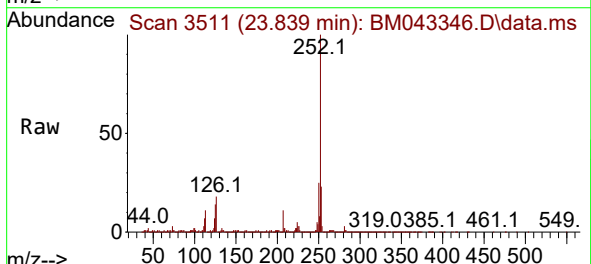
Instrument :
BNA_P
ClientSampleId :

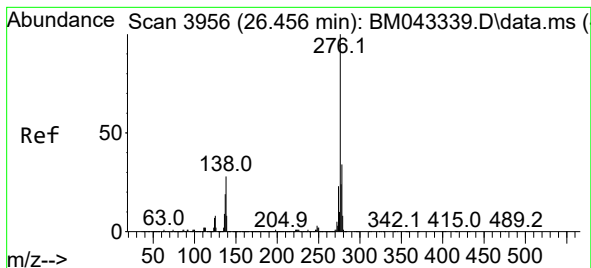
Tgt Ion:252 Resp: 831863
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 12.7 7.7 11.5#



#93
Benzo(a)pyrene
Concen: 17.051 ng/ul
RT: 23.839 min Scan# 3511
Delta R.T. -0.006 min
Lab File: BM043346.D
Acq: 14 Dec 2023 21:20

Tgt Ion:252 Resp: 1346022
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 13.7 8.4 12.6#





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.775 ng/ul

RT: 26.456 min Scan# 3956

Delta R.T. -0.018 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

Instrument :

BNA_P

ClientSampleId :

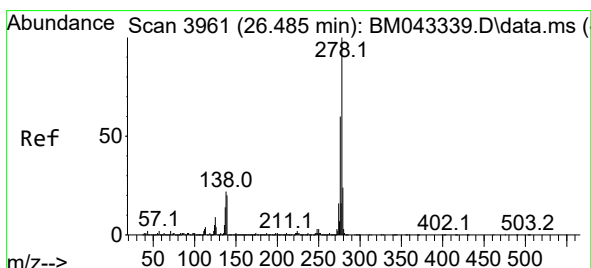
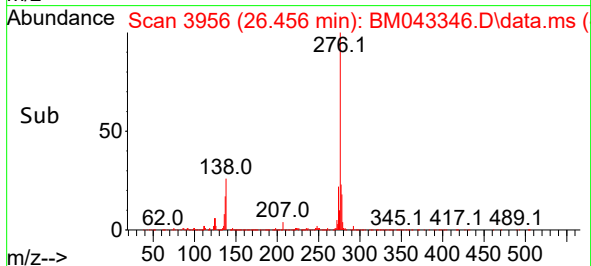
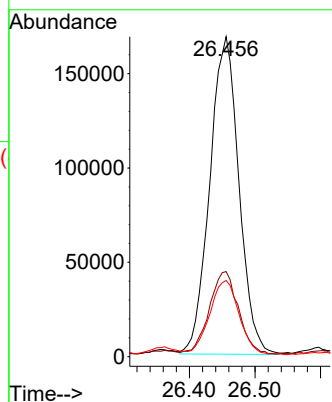
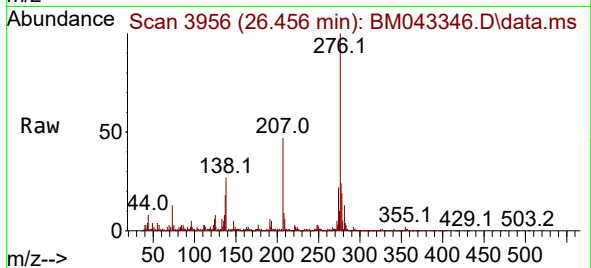
Tgt Ion:276 Resp: 519243

Ion Ratio Lower Upper

276 100

138 26.6 16.9 25.3#

277 23.8 19.5 29.3



#95

Dibenzo(a,h)anthracene

Concen: 1.748 ng/ul

RT: 26.468 min Scan# 3958

Delta R.T. -0.035 min

Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

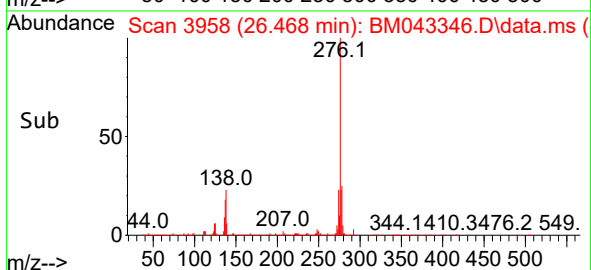
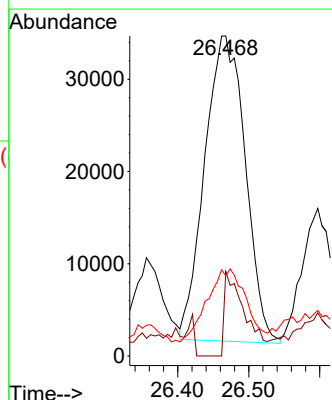
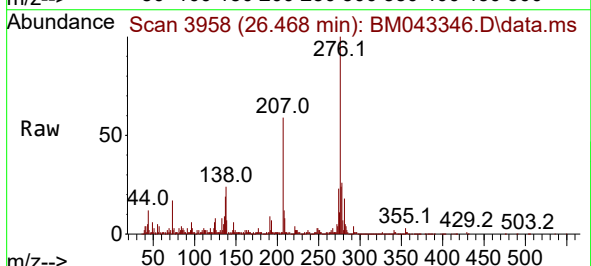
Tgt Ion:278 Resp: 131441

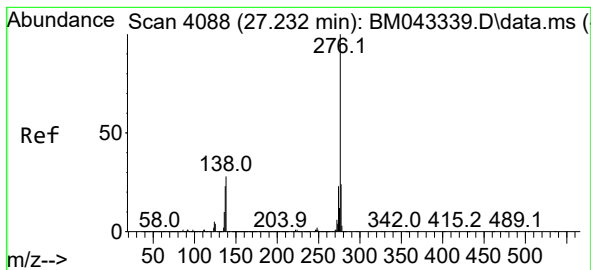
Ion Ratio Lower Upper

278 100

139 26.4 11.9 17.9#

279 25.1 19.4 29.2





#96

Benzo(g,h,i)perylene

Concen: 5.921 ng/ul

RT: 27.227 min Scan# 40

Delta R.T. -0.018 min

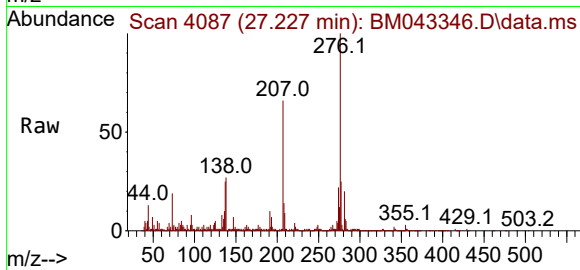
Lab File: BM043346.D

Acq: 14 Dec 2023 21:20

Instrument :

BNA_P

ClientSampleId :



Tgt Ion:276 Resp: 401160

Ion Ratio Lower Upper

276 100

138 26.5 16.2 24.2#

277 24.7 18.7 28.1

