

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049420.D
 Acq On : 23 Jan 2025 15:31
 Operator : RC/JU
 Sample : Q1139-07DL 10X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH4DL

Quant Time: Jan 23 22:10:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 13 16:56:06 2025
 Response via : Initial Calibration

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

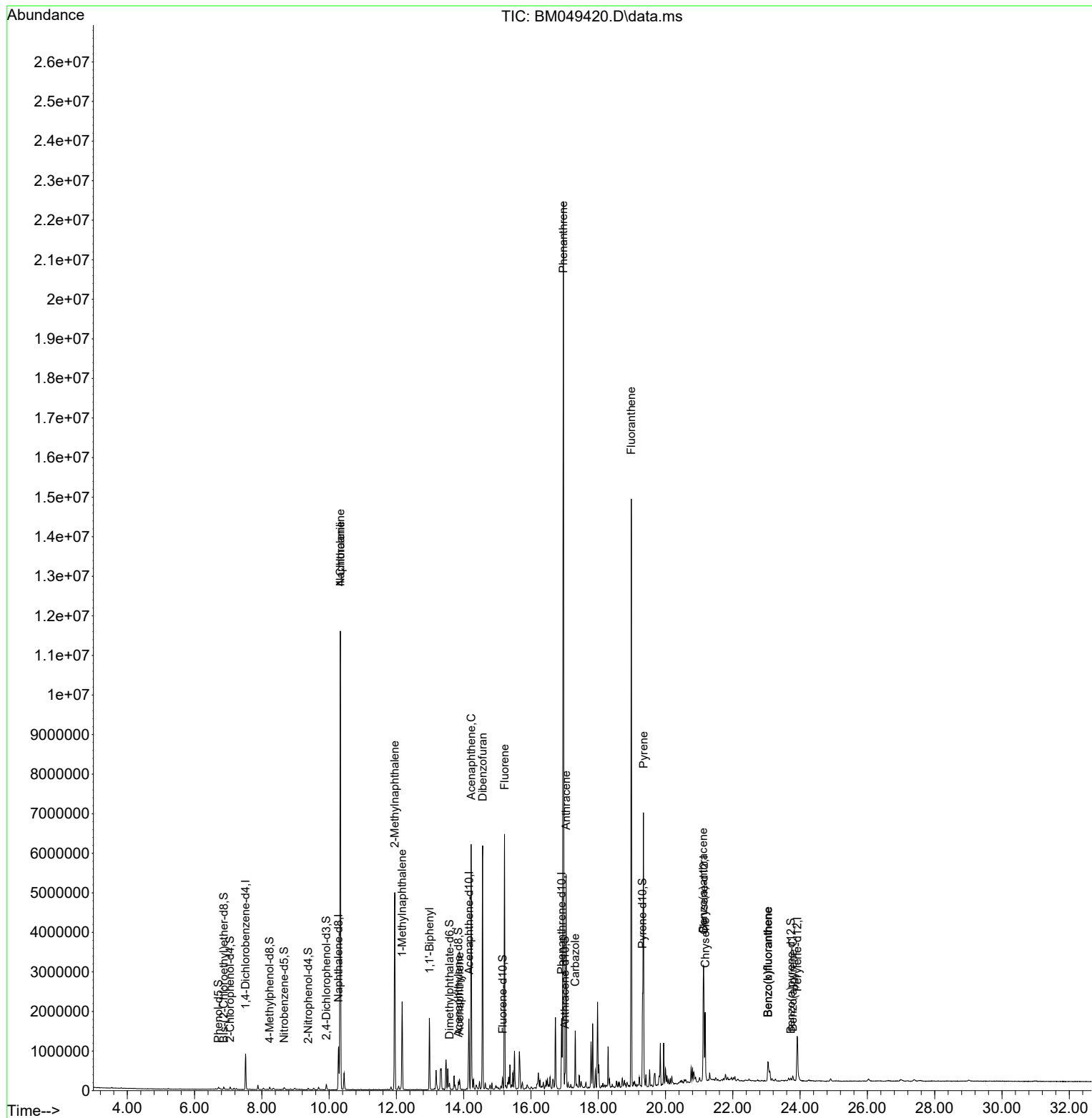
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	248510	20.000	ng/ul	0.00
20) Naphthalene-d8	10.280	136	888338	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.157	164	583886	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.909	188	1118464	20.000	ng/ul	0.00
79) Chrysene-d12	21.139	240	1064315	20.000	ng/ul	0.00
88) Perylene-d12	23.915	264	1011870	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	3030	0.504	ng/uL	0.00
4) Pyridine-d5	3.487	84	572	0.030	ng/ul	-0.02
7) Phenol-d5	6.710	99	33413	1.602	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	28532	2.054	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	28954	1.814	ng/ul	0.00
15) 4-Methylphenol-d8	8.234	113	24203	1.496	ng/ul	0.00
21) Nitrobenzene-d5	8.663	128	12529	1.850	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	11384	1.503	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	25954	1.680	ng/ul	0.00
31) 4-Chloroaniline-d4	10.439	131	9615	0.473	ng/ul	0.01
46) Dimethylphthalate-d6	13.580	166	100295	2.308	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	109288	2.203	ng/ul	0.00
54) 4-Nitrophenol-d4	14.404	143	2015	0.280	ng/ul	0.01
60) Fluorene-d10	15.157	176	89183	2.376	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.292	200	2404	0.337	ng/ul	0.00
73) Anthracene-d10	17.009	188	134768	2.437	ng/ul	0.00
81) Pyrene-d10	19.315	212	130296	2.012	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.727	264	64490	1.187	ng/ul	-0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.333	128	9410130	199.602	ng/ul	98
32) 4-Chloroaniline	10.333	127	1232422	63.559	ng/ul#	4
36) 2-Methylnaphthalene	11.951	142	2374229	70.377	ng/ul	99
37) 1-Methylnaphthalene	12.169	142	1028683	30.646	ng/ul	99
43) 1,1'-Biphenyl	12.980	154	916712	21.444	ng/ul	98
50) Acenaphthylene	13.874	152	88929	1.748	ng/ul#	92
52) Acenaphthene	14.221	153	2338824	64.361	ng/ul	100
56) Dibenzofuran	14.563	168	3937722	76.306	ng/ul	99
61) Fluorene	15.215	166	2794377	66.277	ng/ul	98
72) Phenanthrene	16.956	178	14939493	240.263	ng/ul	96
74) Anthracene	17.045	178	3226119	51.691	ng/ul	100
77) Carbazole	17.315	167	840796	15.184	ng/ul	99
80) Fluoranthene	18.980	202	9215734	123.818	ng/ul	100
82) Pyrene	19.345	202	4436846	56.001	ng/ul	99
85) Benzo(a)anthracene	21.121	228	1269029	17.110	ng/ul	100
87) Chrysene	21.180	228	1065193	15.731	ng/ul	99
90) Benzo(b)fluoranthene	23.044	252	547583	8.085	ng/ul	99
91) Benzo(k)fluoranthene	23.044	252	547583	8.109	ng/ul	99
93) Benzo(a)pyrene	23.780	252	122638	2.005	ng/ul	100

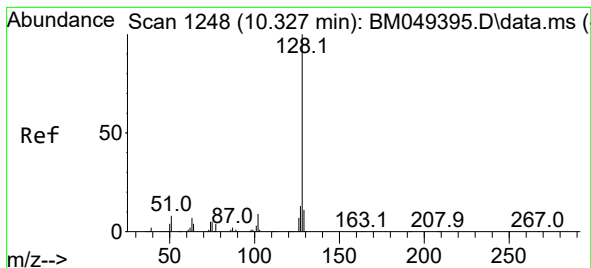
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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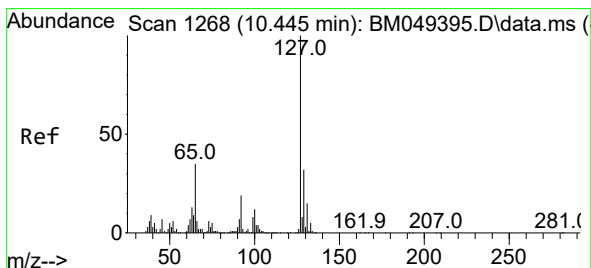
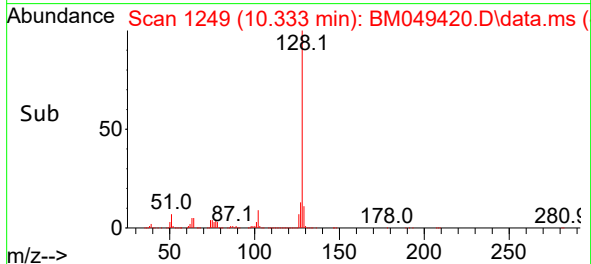
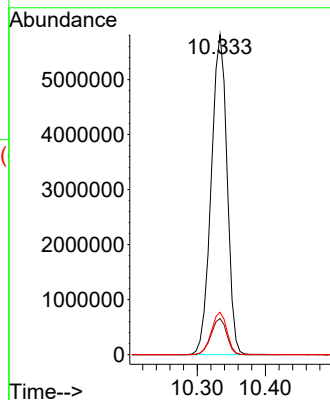
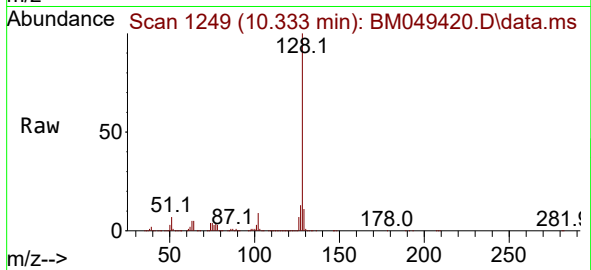




#30
Naphthalene
Concen: 199.602 ng/ul
RT: 10.333 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

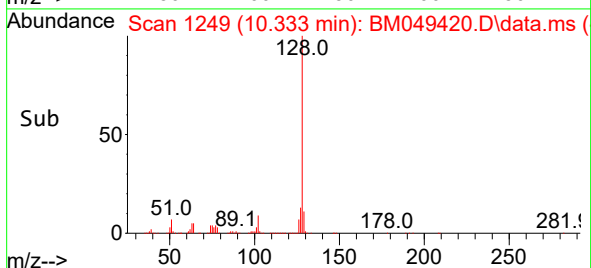
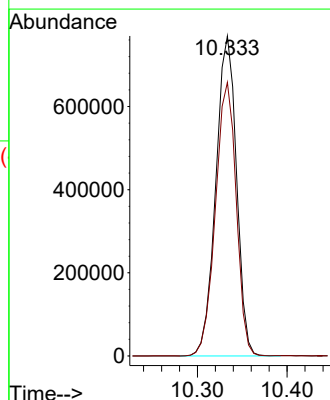
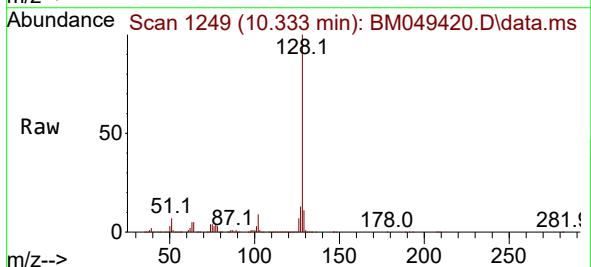
Instrument :
BNA_M
ClientSampleId :
DCZH4DL

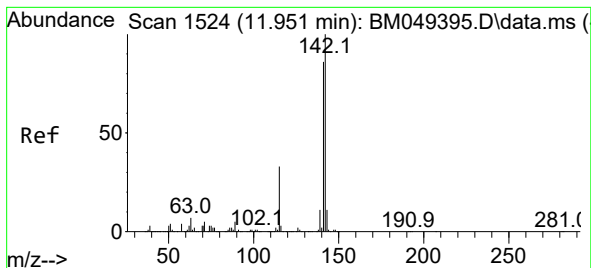
Tgt Ion:128 Resp: 9410130
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 13.2 10.2 15.2



#32
4-Chloroaniline
Concen: 63.559 ng/ul
RT: 10.333 min Scan# 1249
Delta R.T. -0.118 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

Tgt Ion:127 Resp: 1232422
Ion Ratio Lower Upper
127 100
129 85.5 25.7 38.5#

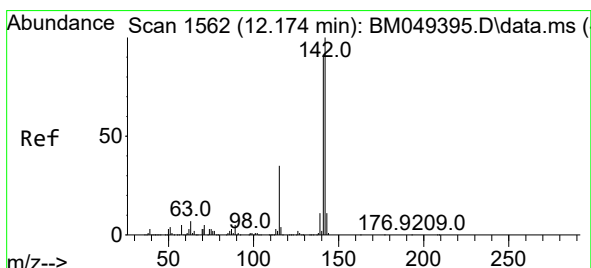
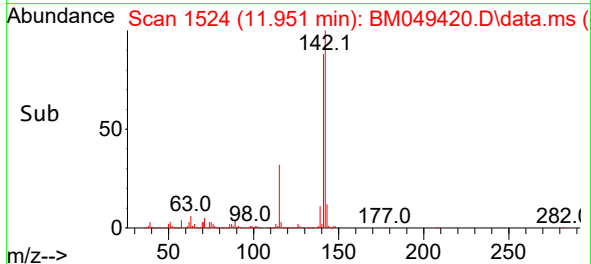
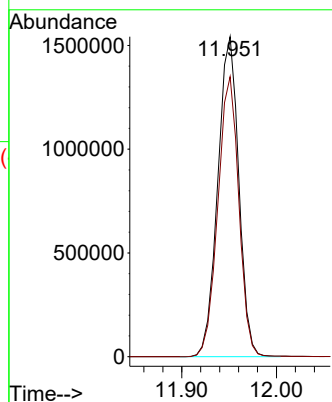
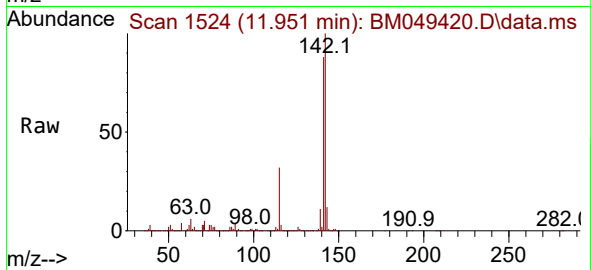




#36
2-Methylnaphthalene
Concen: 70.377 ng/ul
RT: 11.951 min Scan# 1524
Delta R.T. -0.006 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

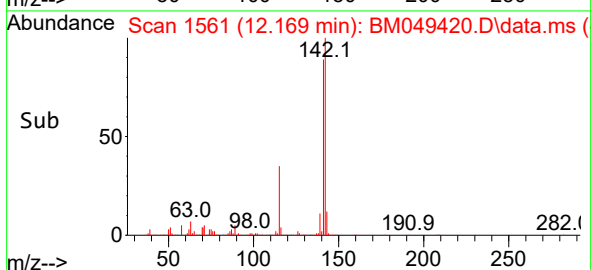
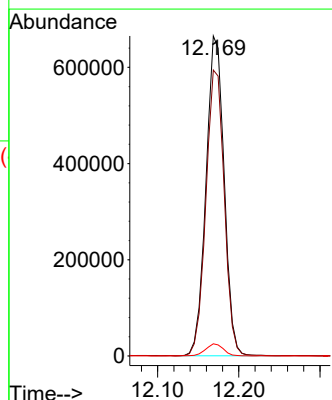
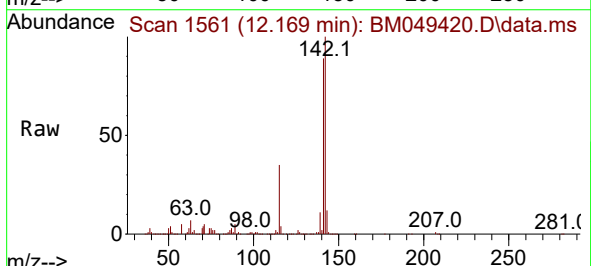
Instrument :
BNA_M
ClientSampleId :
DCZH4DL

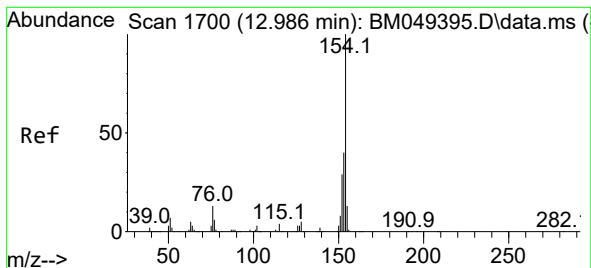
Tgt Ion:142 Resp: 2374229
Ion Ratio Lower Upper
142 100
141 87.5 69.6 104.4



#37
1-Methylnaphthalene
Concen: 30.646 ng/ul
RT: 12.169 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

Tgt Ion:142 Resp: 1028683
Ion Ratio Lower Upper
142 100
141 89.3 71.9 107.9
116 3.8 2.8 4.2





#43

1,1'-Biphenyl

Concen: 21.444 ng/ul

RT: 12.980 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

Instrument :

BNA_M

ClientSampleId :

DCZH4DL

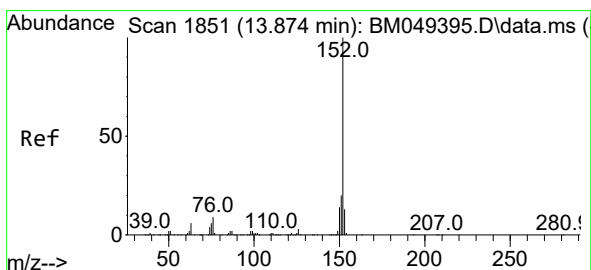
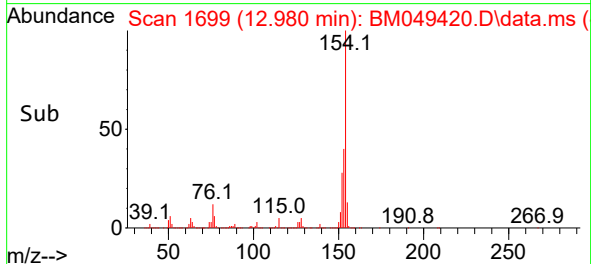
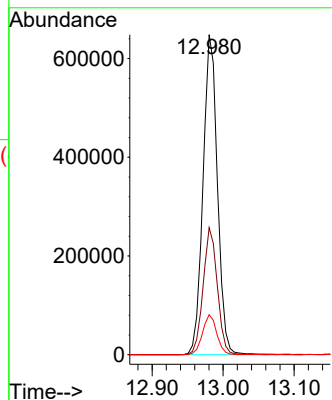
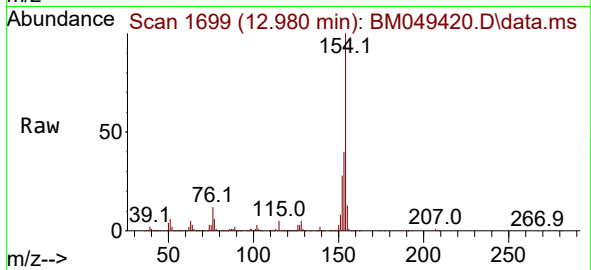
Tgt Ion:154 Resp: 916712

Ion Ratio Lower Upper

154 100

153 39.7 31.0 46.4

76 12.5 9.1 13.7



#50

Acenaphthylene

Concen: 1.748 ng/ul

RT: 13.874 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

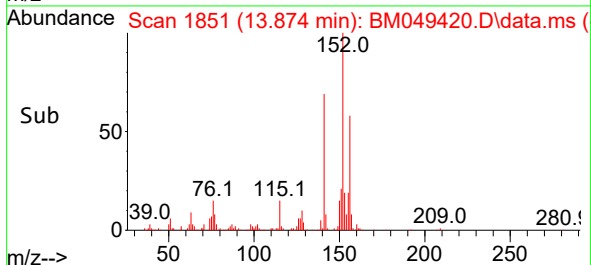
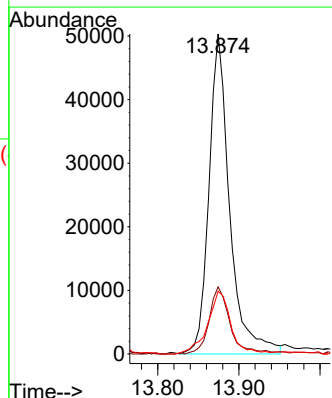
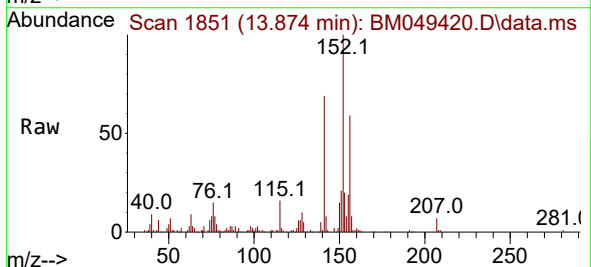
Tgt Ion:152 Resp: 88929

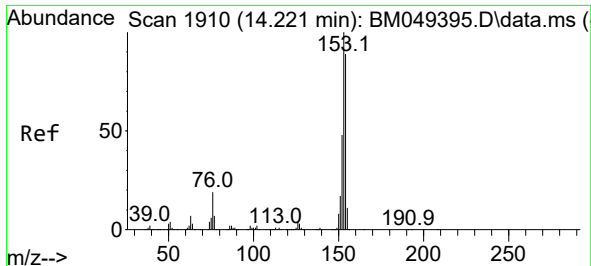
Ion Ratio Lower Upper

152 100

151 21.0 15.8 23.8

153 19.6 10.6 15.8#

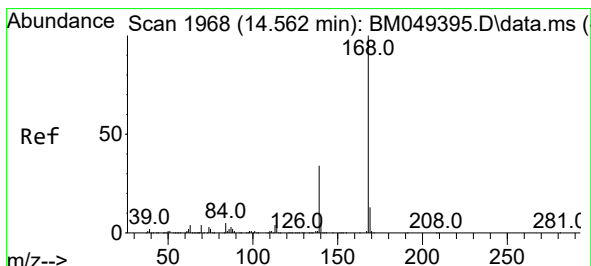
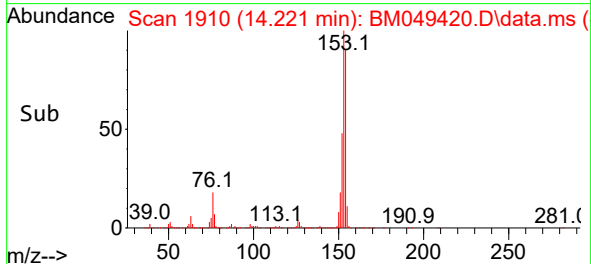
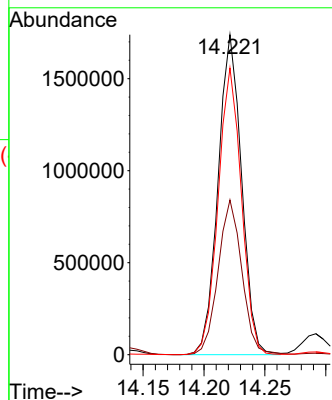
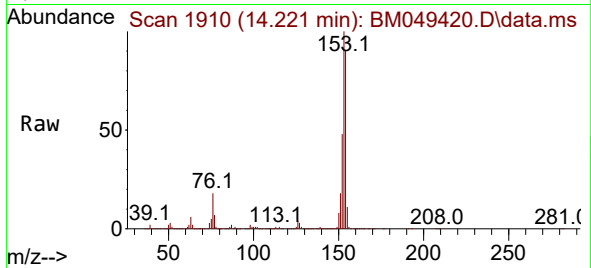




#52
Acenaphthene
Concen: 64.361 ng/ul
RT: 14.221 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

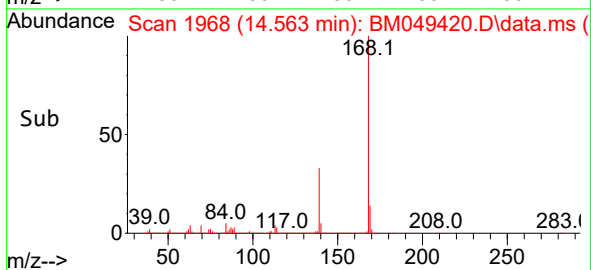
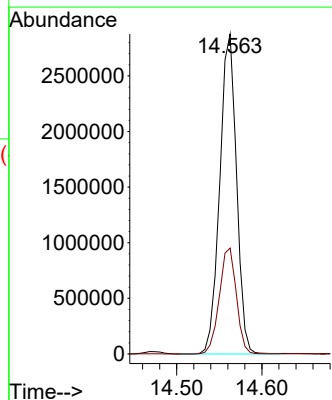
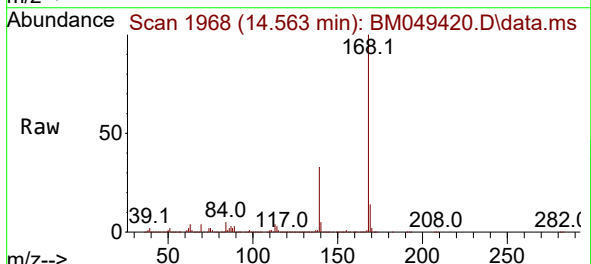
Instrument :
BNA_M
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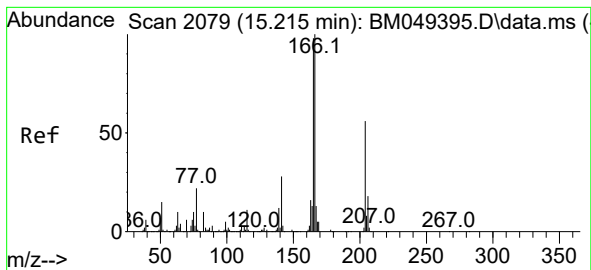
Tgt Ion:153 Resp: 2338824
Ion Ratio Lower Upper
153 100
152 48.4 39.0 58.6
154 89.6 71.6 107.4



#56
Dibenzofuran
Concen: 76.306 ng/ul
RT: 14.563 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

Tgt Ion:168 Resp: 3937722
Ion Ratio Lower Upper
168 100
139 33.1 27.0 40.4





#61

Fluorene

Concen: 66.277 ng/ul

RT: 15.215 min Scan# 2079

Delta R.T. -0.006 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

Instrument :

BNA_M

ClientSampleId :

DCZH4DL

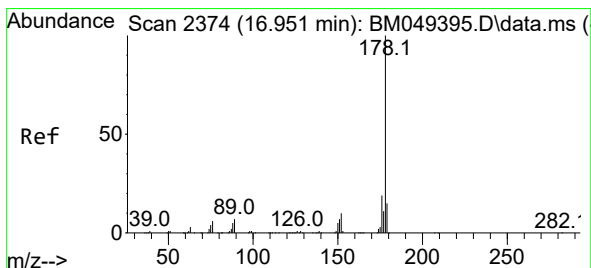
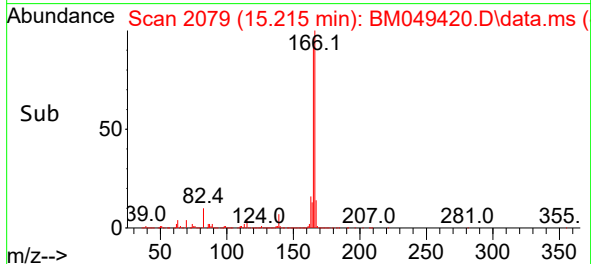
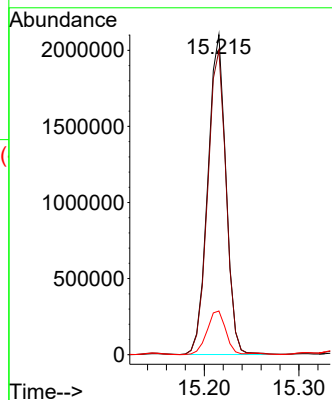
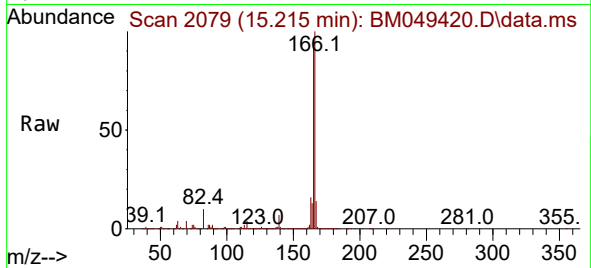
Tgt Ion:166 Resp: 2794377

Ion Ratio Lower Upper

166 100

165 95.1 77.7 116.5

167 13.7 10.7 16.1



#72

Phenanthrene

Concen: 240.263 ng/ul

RT: 16.956 min Scan# 2375

Delta R.T. -0.000 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

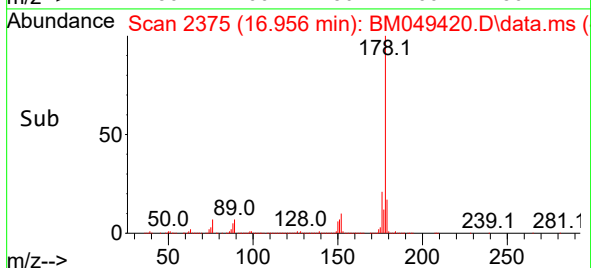
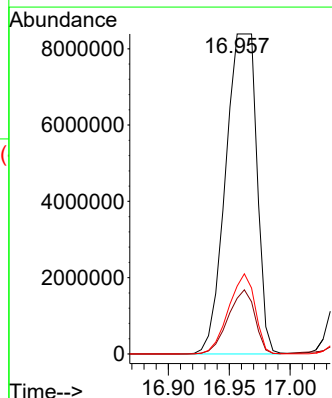
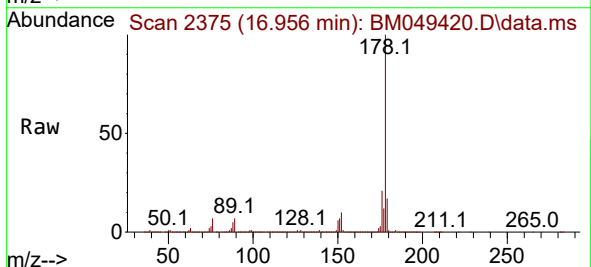
Tgt Ion:178 Resp:14939493

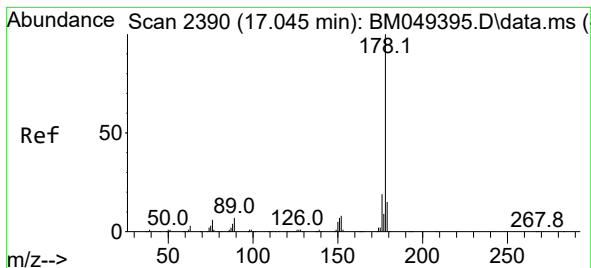
Ion Ratio Lower Upper

178 100

179 17.4 12.6 19.0

176 21.2 15.4 23.2





#74

Anthracene

Concen: 51.691 ng/ul

RT: 17.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

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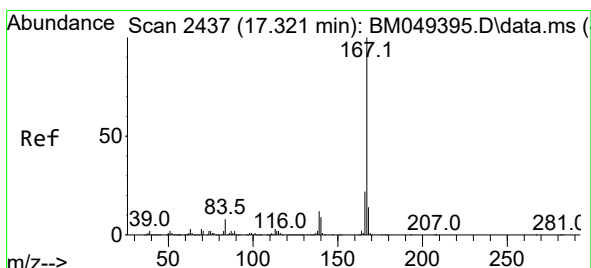
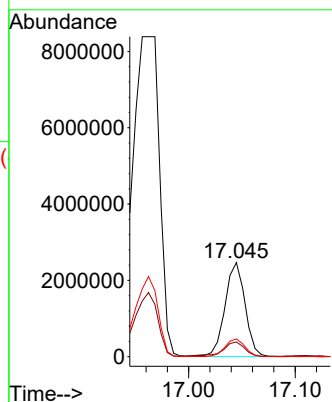
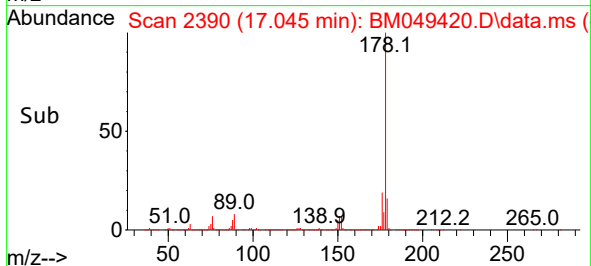
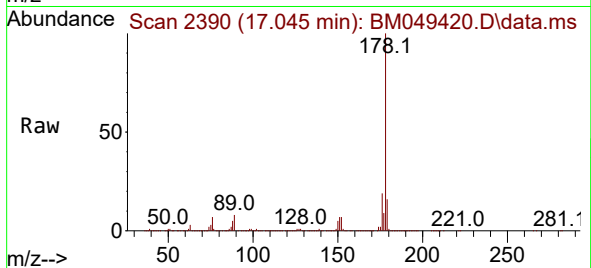
Tgt Ion:178 Resp: 3226119

Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

176 18.9 15.1 22.7



#77

Carbazole

Concen: 15.184 ng/ul

RT: 17.315 min Scan# 2436

Delta R.T. -0.012 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

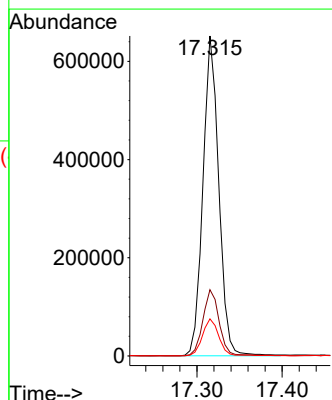
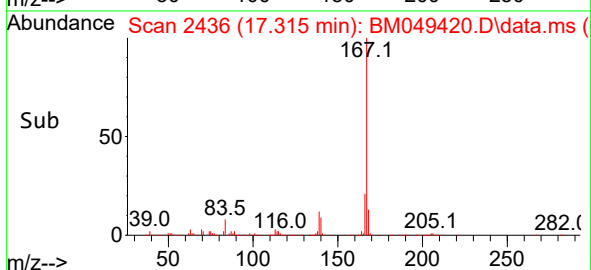
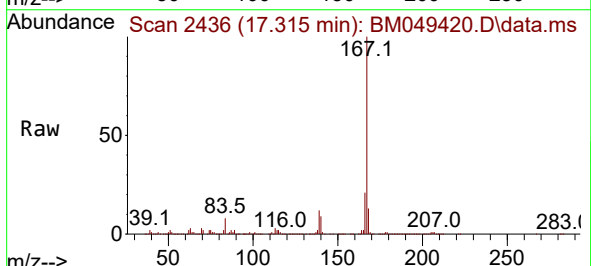
Tgt Ion:167 Resp: 840796

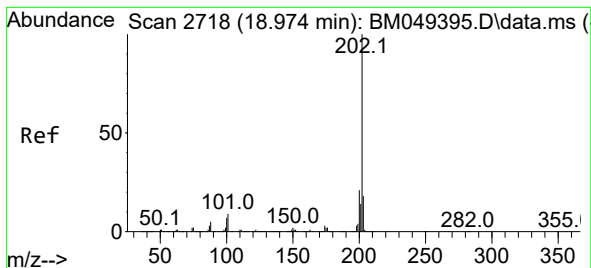
Ion Ratio Lower Upper

167 100

166 20.7 16.7 25.1

139 11.6 9.5 14.3





#80

Fluoranthene

Concen: 123.818 ng/ul

RT: 18.980 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

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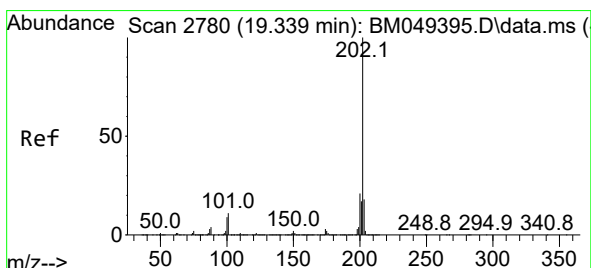
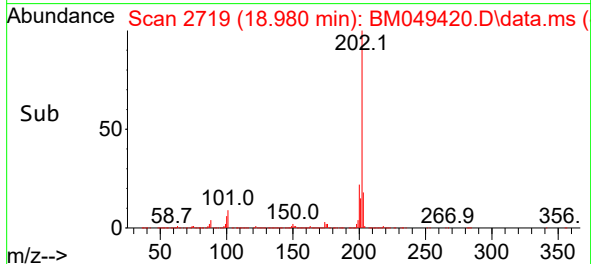
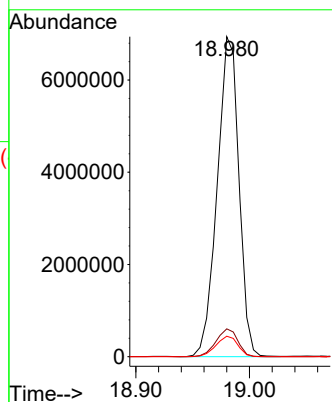
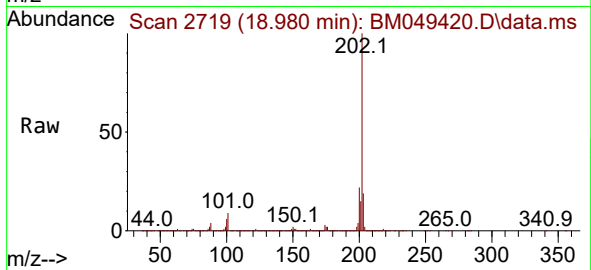
Tgt Ion:202 Resp: 9215734

Ion Ratio Lower Upper

202 100

101 8.7 7.0 10.4

100 6.4 5.0 7.6



#82

Pyrene

Concen: 56.001 ng/ul

RT: 19.345 min Scan# 2781

Delta R.T. -0.006 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

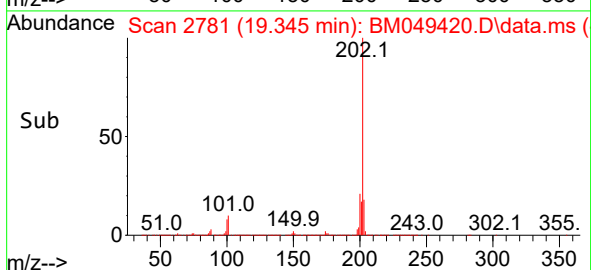
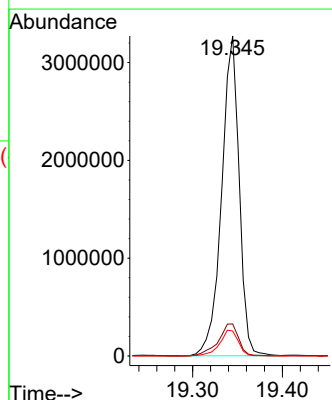
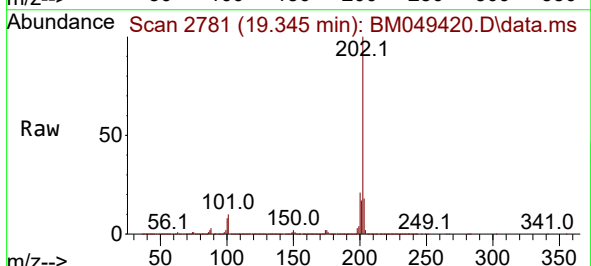
Tgt Ion:202 Resp: 4436846

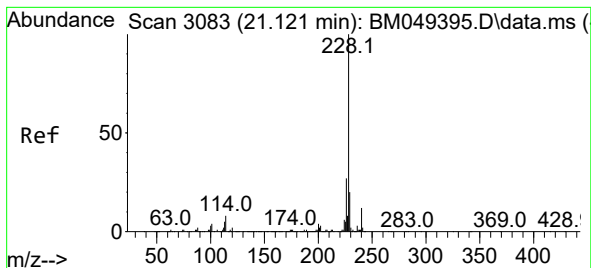
Ion Ratio Lower Upper

202 100

101 10.0 7.8 11.8

100 7.8 6.6 10.0





#85

Benzo(a)anthracene

Concen: 17.110 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

Instrument :

BNA_M

ClientSampleId :

DCZH4DL

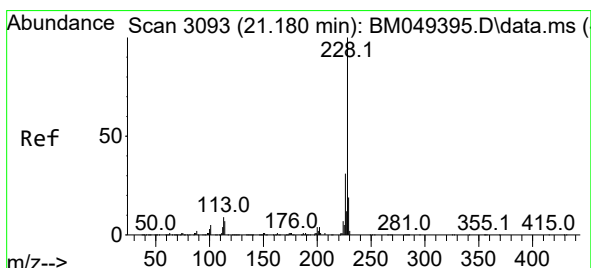
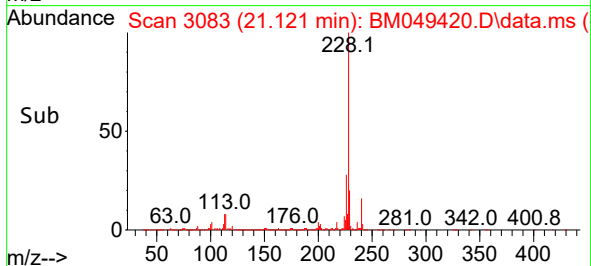
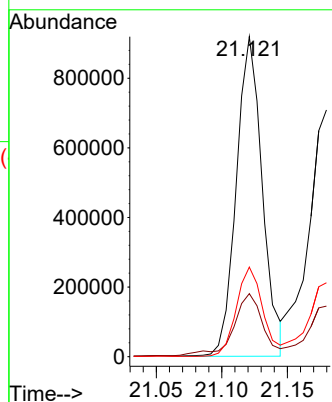
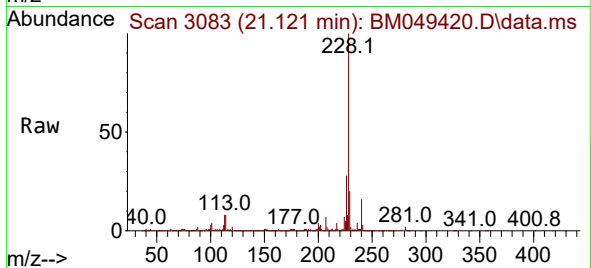
Tgt Ion:228 Resp: 1269029

Ion Ratio Lower Upper

228 100

229 19.7 15.8 23.6

226 28.0 22.1 33.1



#87

Chrysene

Concen: 15.731 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BM049420.D

Acq: 23 Jan 2025 15:31

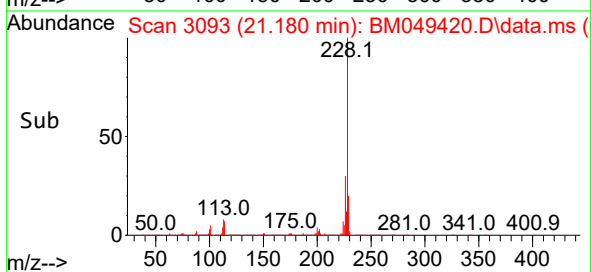
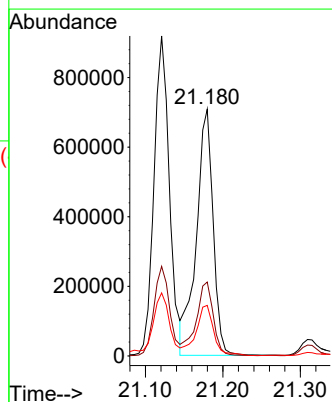
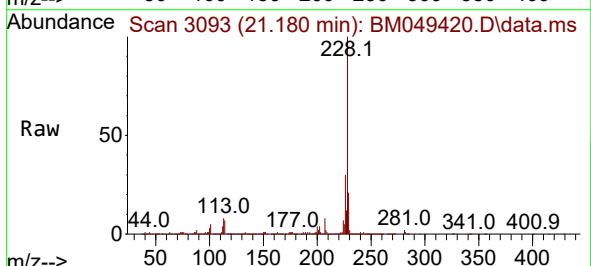
Tgt Ion:228 Resp: 1065193

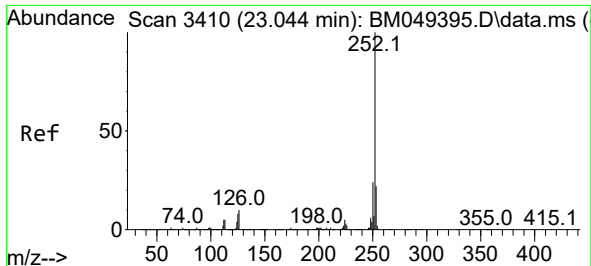
Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 20.5 16.0 24.0

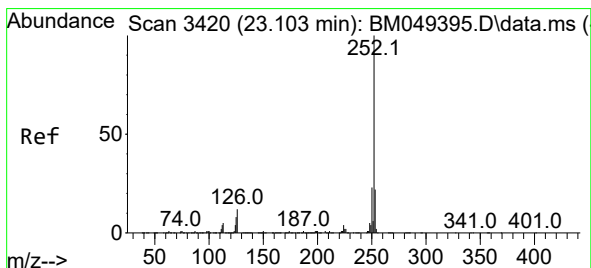
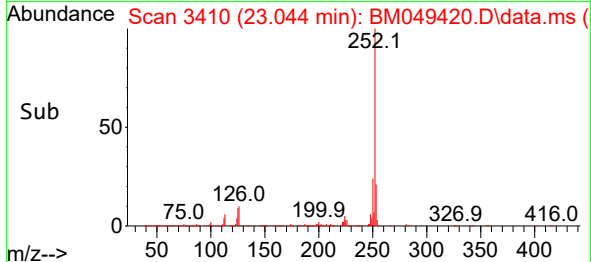
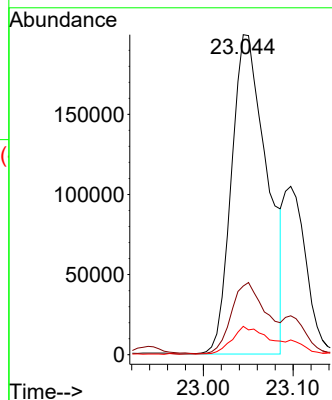
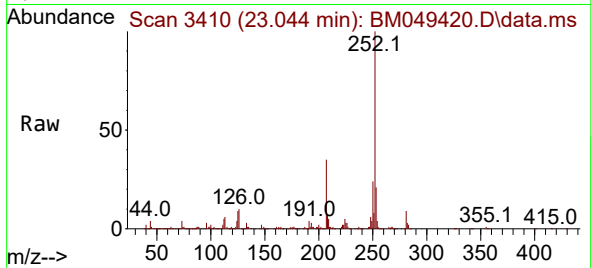




#90
Benzo(b)fluoranthene
Concen: 8.085 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

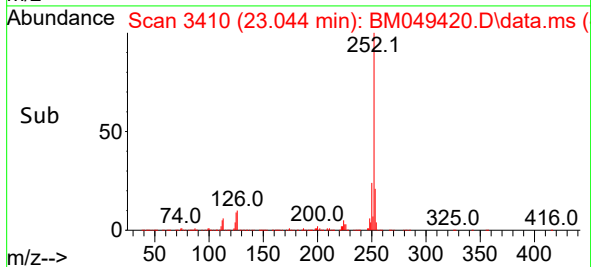
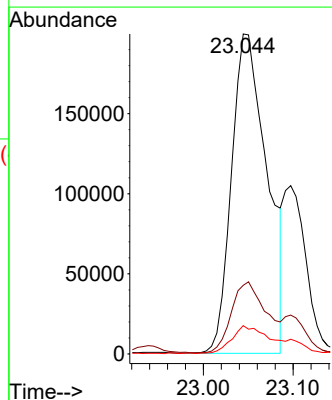
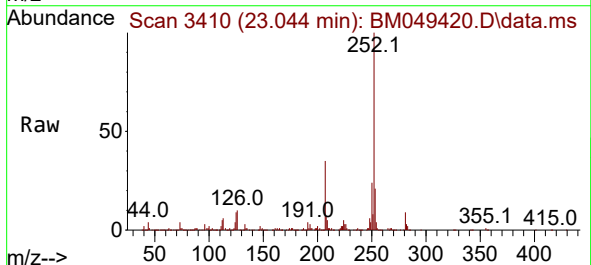
Instrument :
BNA_M
ClientSampleId :
DCZH4DL

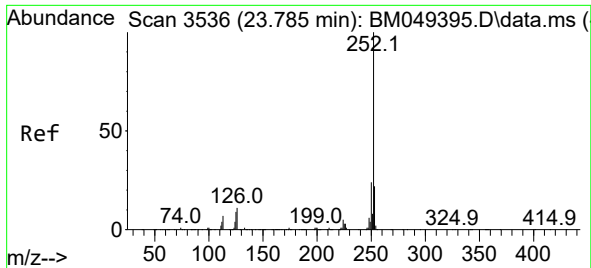
Tgt Ion:252 Resp: 547583
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.2
125 8.9 6.6 9.8



#91
Benzo(k)fluoranthene
Concen: 8.109 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.071 min
Lab File: BM049420.D
Acq: 23 Jan 2025 15:31

Tgt Ion:252 Resp: 547583
Ion Ratio Lower Upper
252 100
253 21.5 17.6 26.4
125 8.9 6.5 9.7





#93
 Benzo(a)pyrene
 Concen: 2.005 ng/ul
 RT: 23.780 min Scan# 31
 Delta R.T. -0.018 min
 Lab File: BM049420.D
 Acq: 23 Jan 2025 15:31

Instrument :
 BNA_M
 ClientSampleId :
 DCZH4DL

Tgt Ion:252 Resp: 122638
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.4 26.2
 125 9.0 6.9 10.3

