

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049417.D
 Acq On : 23 Jan 2025 13:35
 Operator : RC/JU
 Sample : Q1139-10DL 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH7DL

Quant Time: Jan 23 22:09:54 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

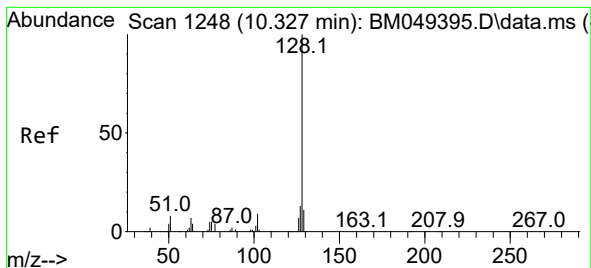
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	262285	20.000	ng/ul	0.00
20) Naphthalene-d8	10.281	136	942775	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.157	164	597416	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.910	188	1154268	20.000	ng/ul	0.00
79) Chrysene-d12	21.139	240	1092734	20.000	ng/ul	0.00
88) Perylene-d12	23.915	264	1083418	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	2815	0.444	ng/uL	0.00
4) Pyridine-d5	3.516	84	37981	1.882	ng/ul	0.00
7) Phenol-d5	6.710	99	45734	2.077	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	32695	2.230	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	39863	2.367	ng/ul	0.00
15) 4-Methylphenol-d8	8.234	113	32617	1.910	ng/ul	0.00
21) Nitrobenzene-d5	8.663	128	15393	2.141	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	15204	1.892	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	32516	1.983	ng/ul	0.00
31) 4-Chloroaniline-d4	10.563	131	302	0.014	ng/ul	0.14
46) Dimethylphthalate-d6	13.580	166	110652	2.489	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	101363	1.997	ng/ul	0.00
54) 4-Nitrophenol-d4	14.369	143	269	0.037	ng/ul	-0.02
60) Fluorene-d10	15.157	176	75801	1.973	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.292	200	3535	0.481	ng/ul	0.00
73) Anthracene-d10	17.010	188	114235	2.002	ng/ul	0.00
81) Pyrene-d10	19.309	212	122592	1.843	ng/ul	-0.01
92) Benzo(a)pyrene-d12	23.721	264	93121	1.601	ng/ul	-0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.334	128	7101571	141.936	ng/ul	99
32) 4-Chloroaniline	10.334	127	917540	44.587	ng/ul#	4
36) 2-Methylnaphthalene	11.951	142	1997430	55.789	ng/ul	99
37) 1-Methylnaphthalene	12.169	142	930589	26.123	ng/ul	99
43) 1,1'-Biphenyl	12.980	154	783964	17.923	ng/ul	99
50) Acenaphthylene	13.874	152	58221	1.119	ng/ul#	85
52) Acenaphthene	14.221	153	1639927	44.106	ng/ul	99
56) Dibenzofuran	14.563	168	3259152	61.727	ng/ul	99
61) Fluorene	15.210	166	1456893	33.772	ng/ul	98
63) 4-Nitroaniline	15.216	138	14505	2.002	ng/ul#	20
72) Phenanthrene	16.957	178	12053597	187.838	ng/ul	98
74) Anthracene	17.045	178	1053526	16.357	ng/ul	100
77) Carbazole	17.315	167	557723	9.759	ng/ul	99
80) Fluoranthene	18.980	202	6383408	83.534	ng/ul	100
82) Pyrene	19.345	202	4140217	50.898	ng/ul	99
85) Benzo(a)anthracene	21.121	228	893357	11.731	ng/ul	100
87) Chrysene	21.180	228	780714	11.230	ng/ul	99
90) Benzo(b)fluoranthene	23.044	252	368109	5.076	ng/ul	98
91) Benzo(k)fluoranthene	23.097	252	125676	1.738	ng/ul	99
93) Benzo(a)pyrene	23.786	252	201117	3.070	ng/ul	99

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

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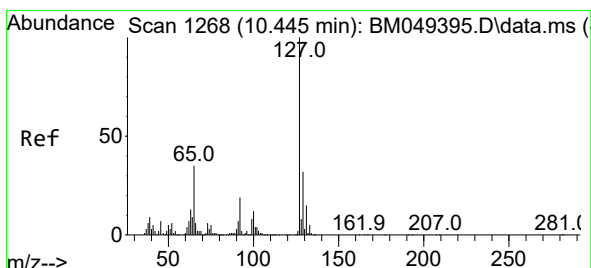
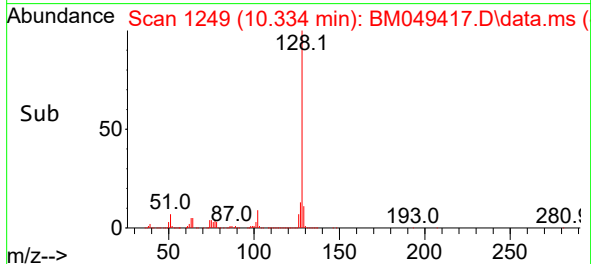
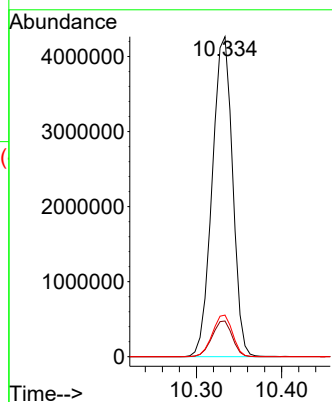
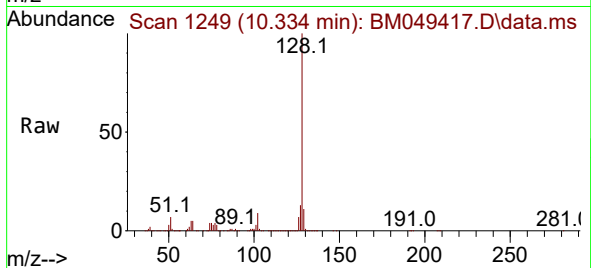




#30
Naphthalene
Concen: 141.936 ng/ul
RT: 10.334 min Scan# 1249
Delta R.T. 0.000 min
Lab File: BM049417.D
Acq: 23 Jan 2025 13:35

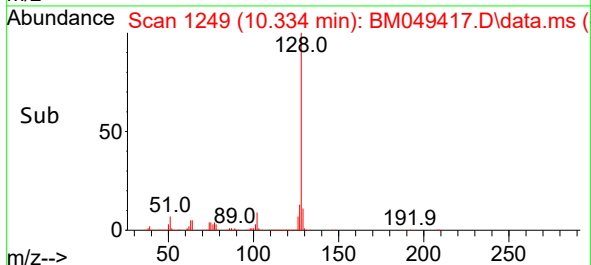
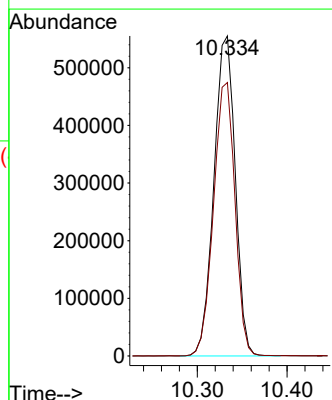
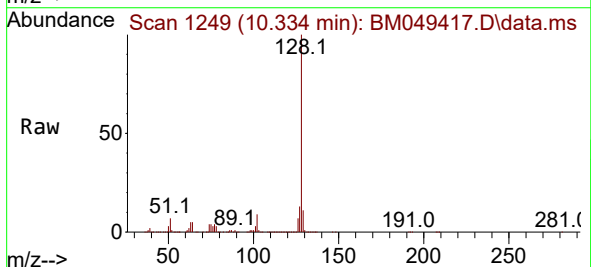
Instrument :
BNA_M
ClientSampleId :
DCZH7DL

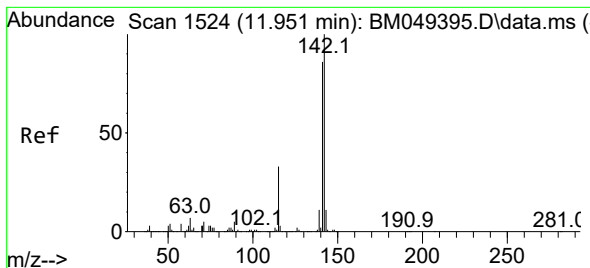
Tgt Ion:128 Resp: 7101571
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.0 10.2 15.2



#32
4-Chloroaniline
Concen: 44.587 ng/ul
RT: 10.334 min Scan# 1249
Delta R.T. -0.118 min
Lab File: BM049417.D
Acq: 23 Jan 2025 13:35

Tgt Ion:127 Resp: 917540
Ion Ratio Lower Upper
127 100
129 85.5 25.7 38.5#





#36

2-Methylnaphthalene

Concen: 55.789 ng/ul

RT: 11.951 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049417.D

Acq: 23 Jan 2025 13:35

Instrument :

BNA_M

ClientSampleId :

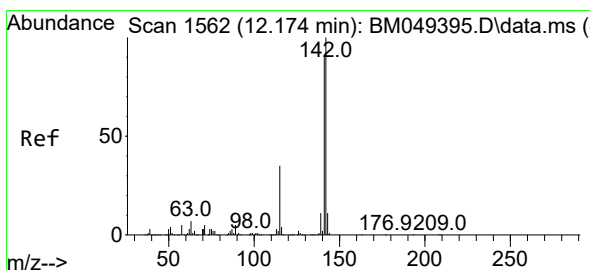
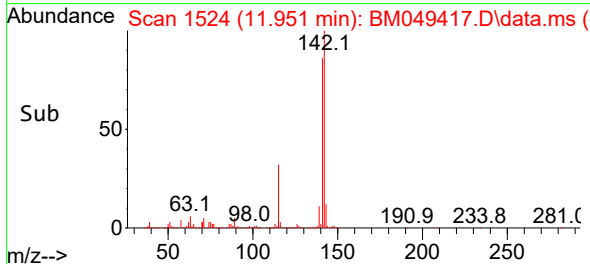
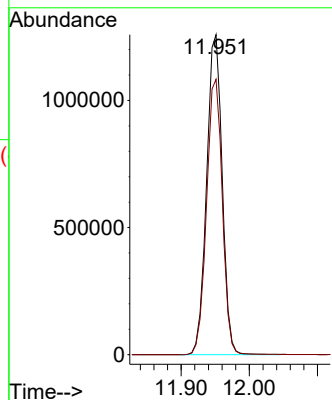
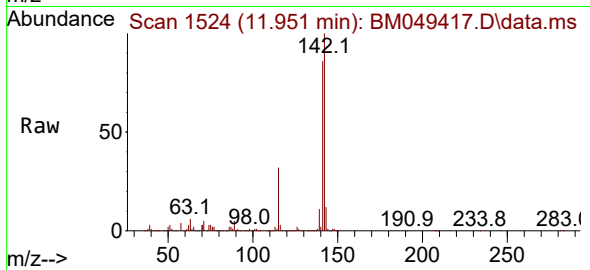
DCZH7DL

Tgt Ion:142 Resp: 1997430

Ion Ratio Lower Upper

142 100

141 86.0 69.6 104.4



#37

1-Methylnaphthalene

Concen: 26.123 ng/ul

RT: 12.169 min Scan# 1561

Delta R.T. -0.012 min

Lab File: BM049417.D

Acq: 23 Jan 2025 13:35

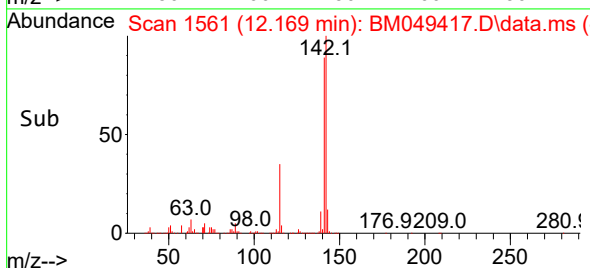
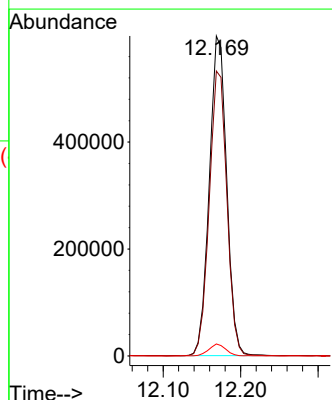
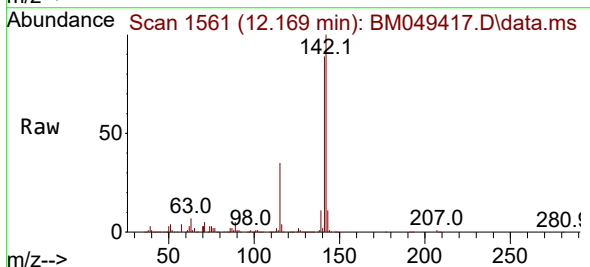
Tgt Ion:142 Resp: 930589

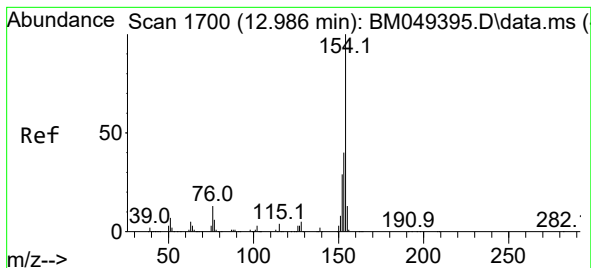
Ion Ratio Lower Upper

142 100

141 89.0 71.9 107.9

116 3.8 2.8 4.2





#43

1,1'-Biphenyl

Concen: 17.923 ng/ul

RT: 12.980 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049417.D

Acq: 23 Jan 2025 13:35

Instrument :

BNA_M

ClientSampleId :

DCZH7DL

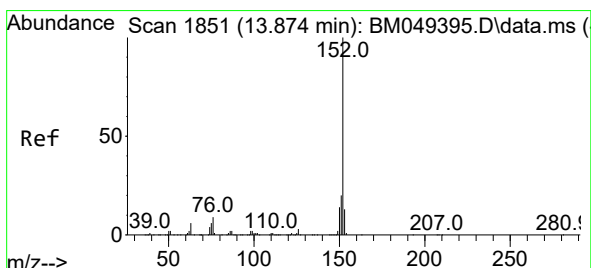
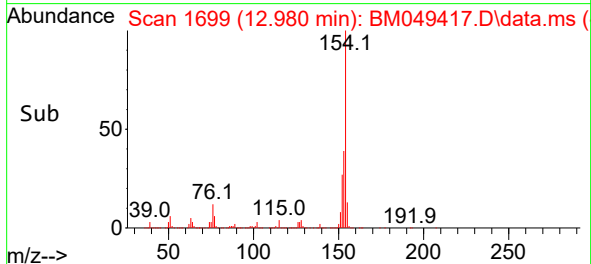
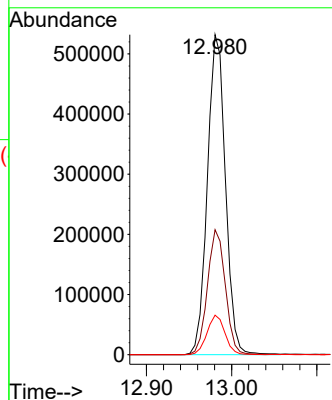
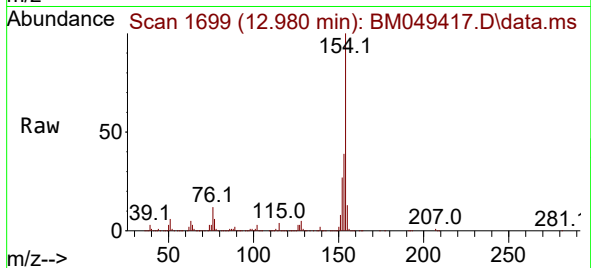
Tgt Ion:154 Resp: 783964

Ion Ratio Lower Upper

154 100

153 39.1 31.0 46.4

76 12.4 9.1 13.7



#50

Acenaphthylene

Concen: 1.119 ng/ul

RT: 13.874 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BM049417.D

Acq: 23 Jan 2025 13:35

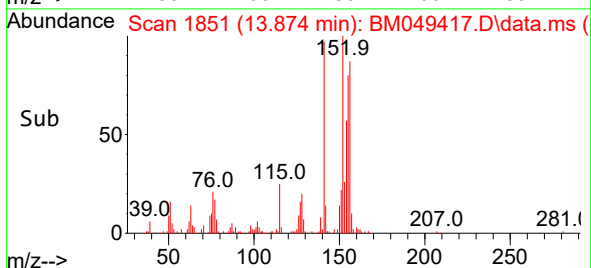
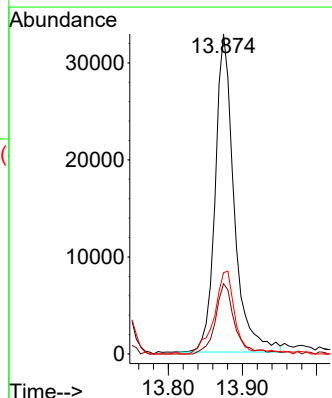
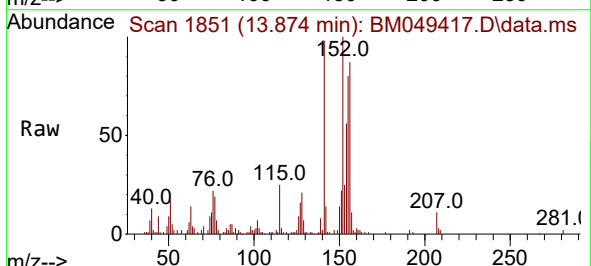
Tgt Ion:152 Resp: 58221

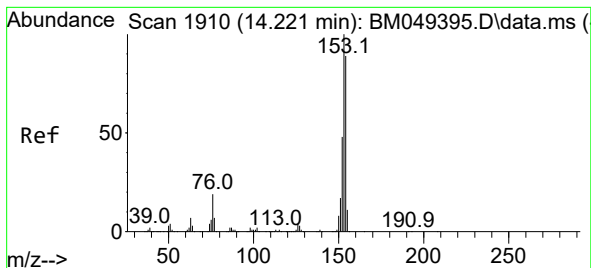
Ion Ratio Lower Upper

152 100

151 22.0 15.8 23.8

153 25.4 10.6 15.8#





#52

Acenaphthene

Concen: 44.106 ng/ul

RT: 14.221 min Scan# 1910

Delta R.T. -0.006 min

Lab File: BM049417.D

Acq: 23 Jan 2025 13:35

Instrument :

BNA_M

ClientSampleId :

DCZH7DL

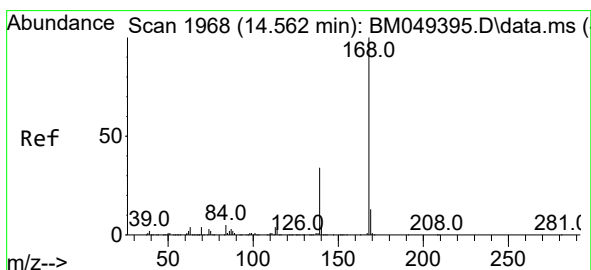
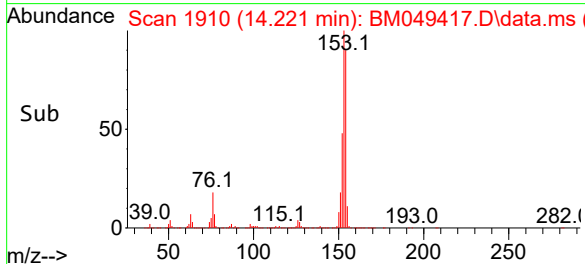
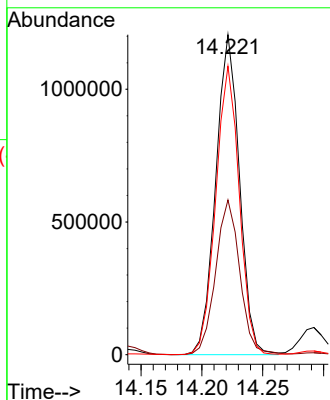
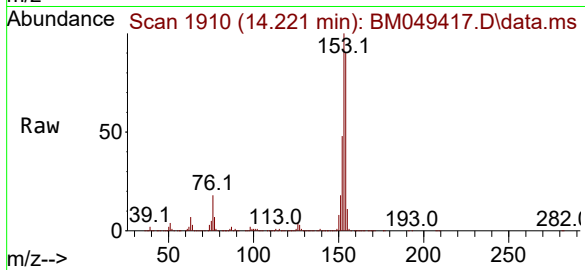
Tgt Ion:153 Resp: 1639927

Ion Ratio Lower Upper

153 100

152 48.3 39.0 58.6

154 90.1 71.6 107.4



#56

Dibenzofuran

Concen: 61.727 ng/ul

RT: 14.563 min Scan# 1968

Delta R.T. -0.006 min

Lab File: BM049417.D

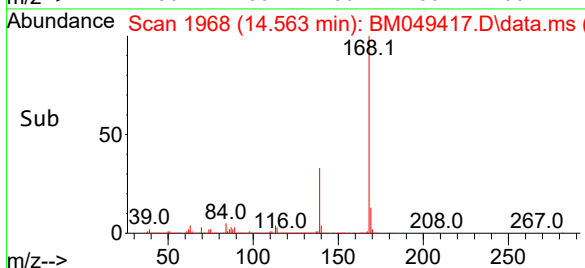
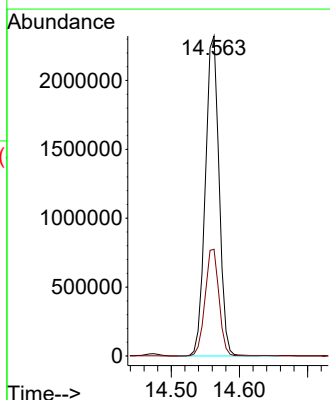
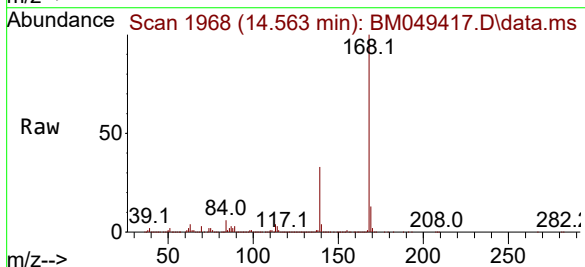
Acq: 23 Jan 2025 13:35

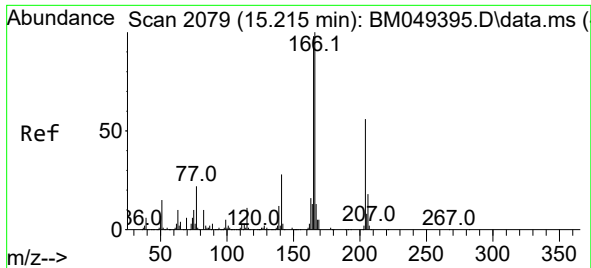
Tgt Ion:168 Resp: 3259152

Ion Ratio Lower Upper

168 100

139 33.4 27.0 40.4

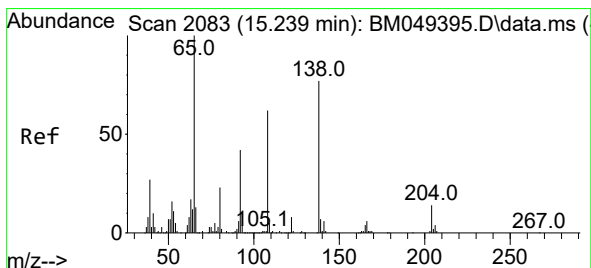
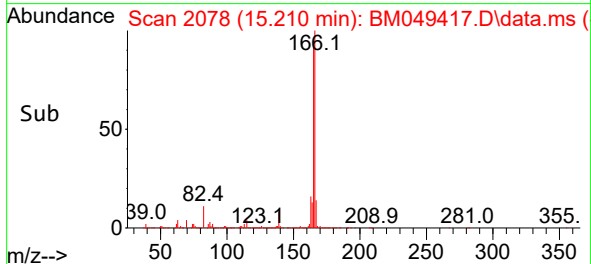
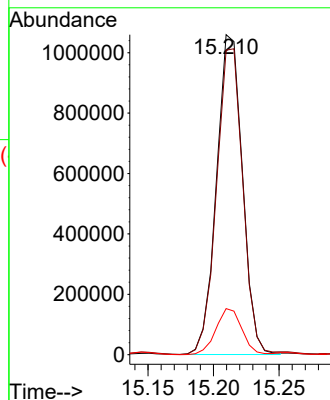
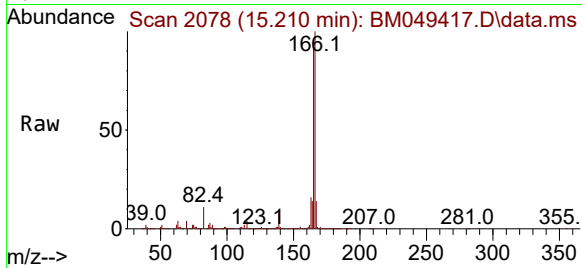




#61
Fluorene
Concen: 33.772 ng/ul
RT: 15.210 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BM049417.D
Acq: 23 Jan 2025 13:35

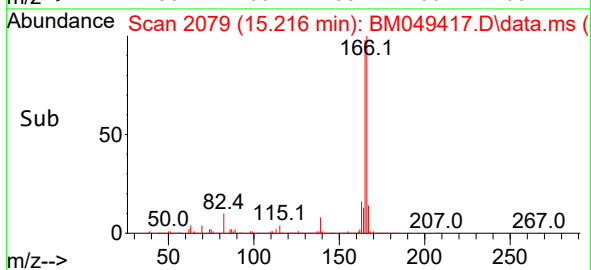
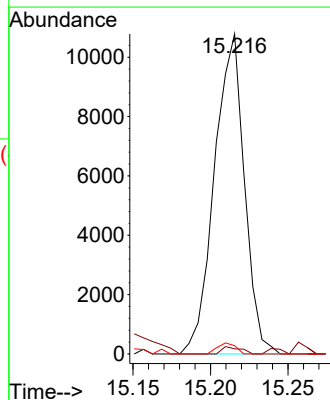
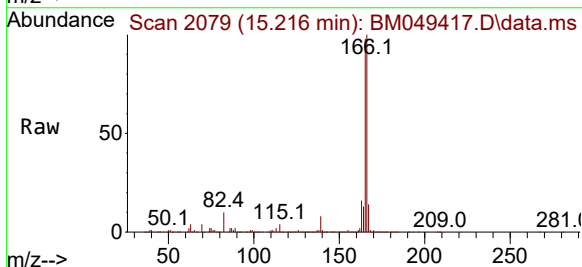
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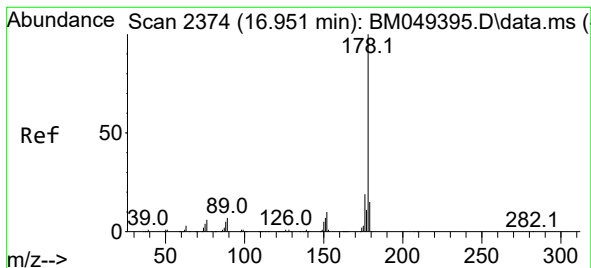
Tgt Ion:166 Resp: 1456893
Ion Ratio Lower Upper
166 100
165 95.2 77.7 116.5
167 14.4 10.7 16.1



#63
4-Nitroaniline
Concen: 2.002 ng/ul
RT: 15.216 min Scan# 2079
Delta R.T. -0.035 min
Lab File: BM049417.D
Acq: 23 Jan 2025 13:35

Tgt Ion:138 Resp: 14505
Ion Ratio Lower Upper
138 100
92 1.6 42.0 63.0#
108 2.6 60.3 90.5#





#72

Phenanthrene

Concen: 187.838 ng/ul

RT: 16.957 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049417.D

Acq: 23 Jan 2025 13:35

Instrument :

BNA_M

ClientSampleId :

DCZH7DL

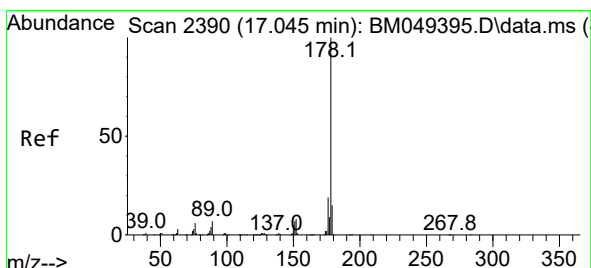
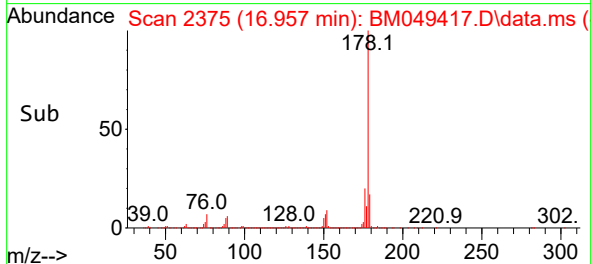
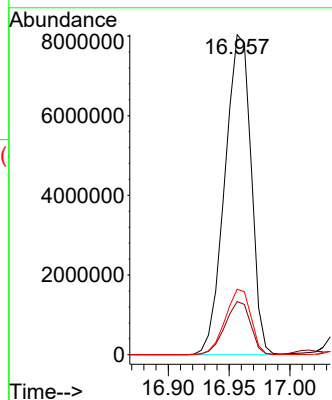
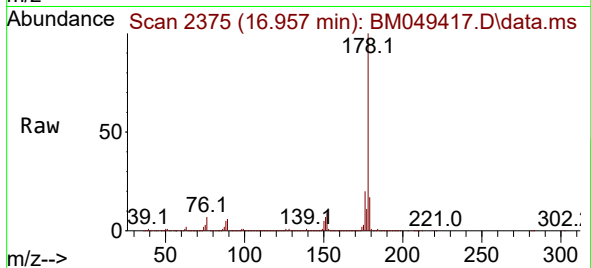
Tgt Ion:178 Resp:12053597

Ion Ratio Lower Upper

178 100

179 16.6 12.6 19.0

176 20.4 15.4 23.2



#74

Anthracene

Concen: 16.357 ng/ul

RT: 17.045 min Scan# 2390

Delta R.T. -0.006 min

Lab File: BM049417.D

Acq: 23 Jan 2025 13:35

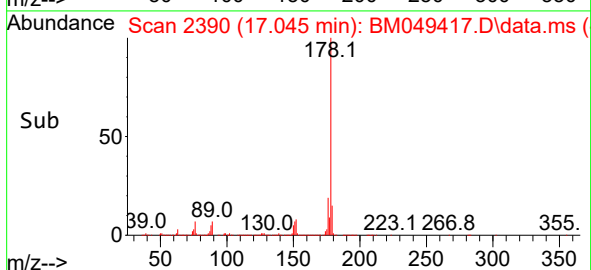
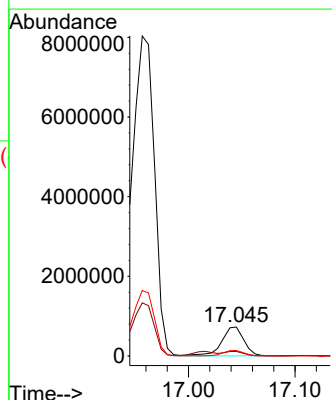
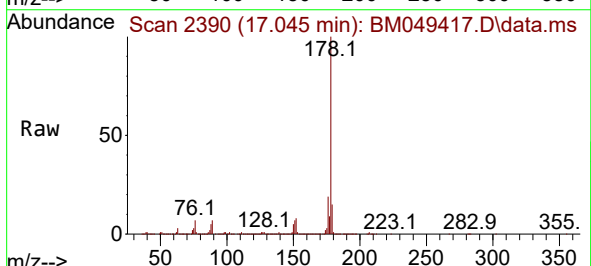
Tgt Ion:178 Resp: 1053526

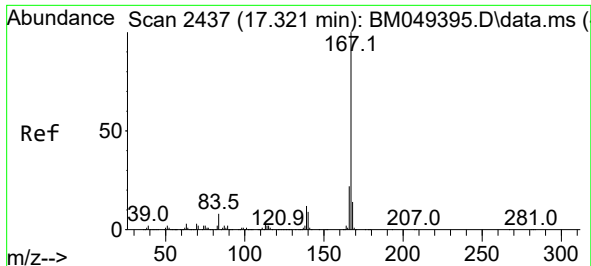
Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

176 19.0 15.1 22.7

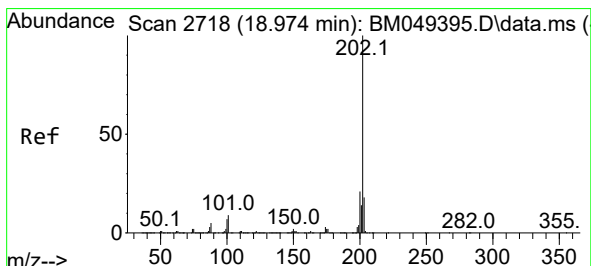
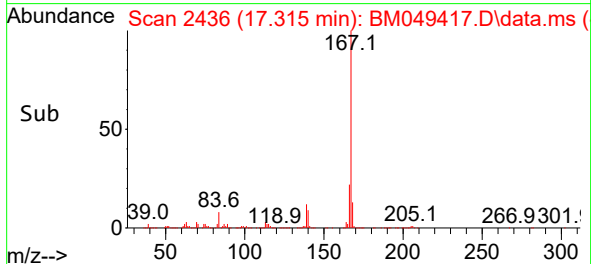
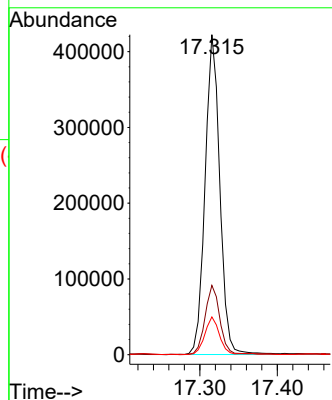
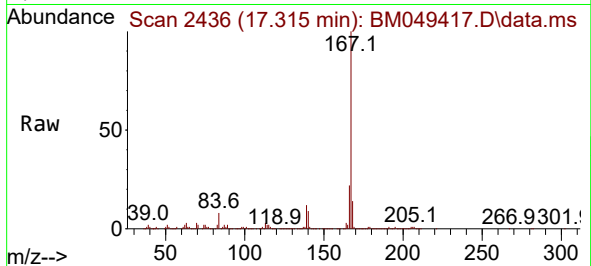




#77
 Carbazole
 Concen: 9.759 ng/ul
 RT: 17.315 min Scan# 2436
 Delta R.T. -0.012 min
 Lab File: BM049417.D
 Acq: 23 Jan 2025 13:35

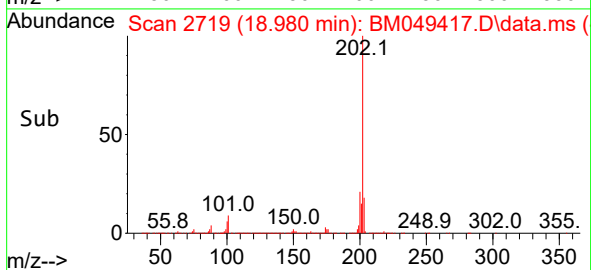
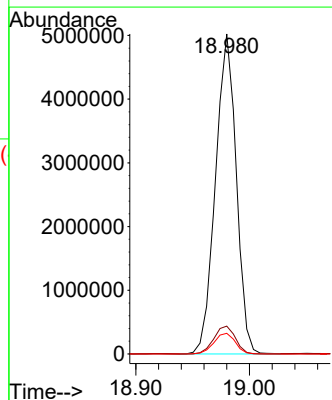
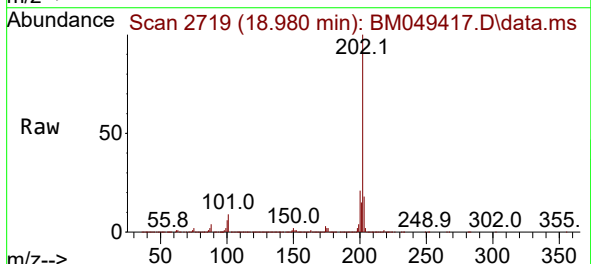
Instrument :
 BNA_M
 ClientSampleId :
 DCZH7DL

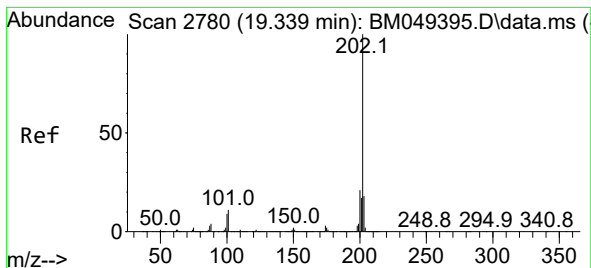
Tgt Ion:167 Resp: 557723
 Ion Ratio Lower Upper
 167 100
 166 21.7 16.7 25.1
 139 11.8 9.5 14.3



#80
 Fluoranthene
 Concen: 83.534 ng/ul
 RT: 18.980 min Scan# 2719
 Delta R.T. -0.006 min
 Lab File: BM049417.D
 Acq: 23 Jan 2025 13:35

Tgt Ion:202 Resp: 6383408
 Ion Ratio Lower Upper
 202 100
 101 8.7 7.0 10.4
 100 6.5 5.0 7.6





#82

Pyrene

Concen: 50.898 ng/ul

RT: 19.345 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049417.D

Acq: 23 Jan 2025 13:35

Instrument :

BNA_M

ClientSampleId :

DCZH7DL

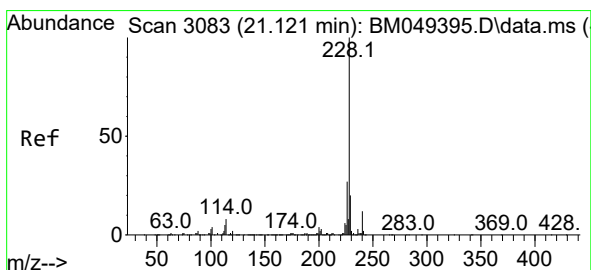
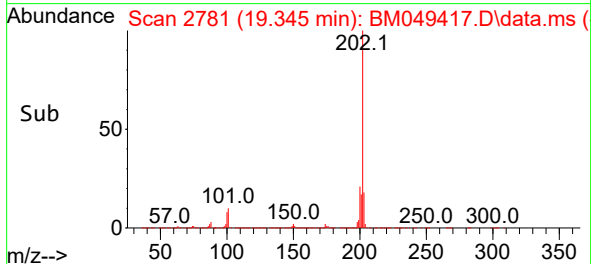
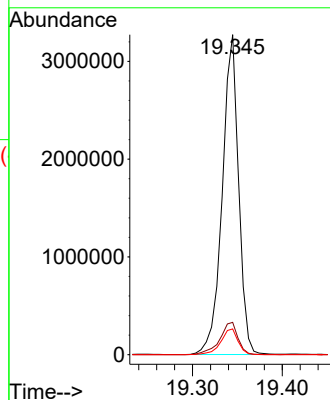
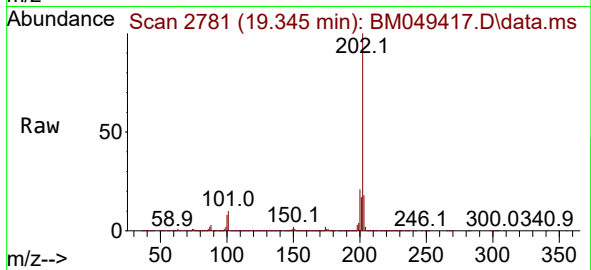
Tgt Ion:202 Resp: 4140217

Ion Ratio Lower Upper

202 100

101 10.1 7.8 11.8

100 8.0 6.6 10.0



#85

Benzo(a)anthracene

Concen: 11.731 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049417.D

Acq: 23 Jan 2025 13:35

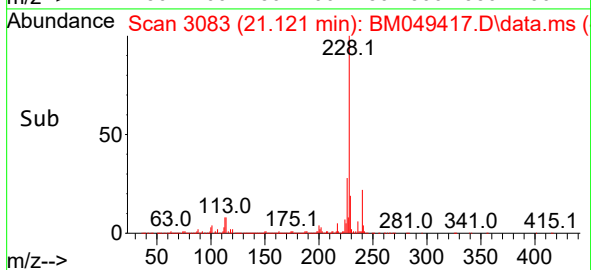
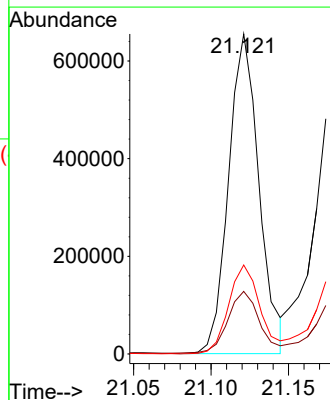
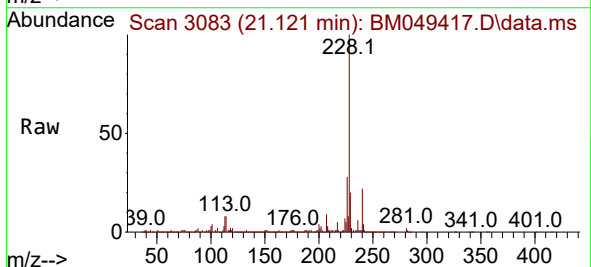
Tgt Ion:228 Resp: 893357

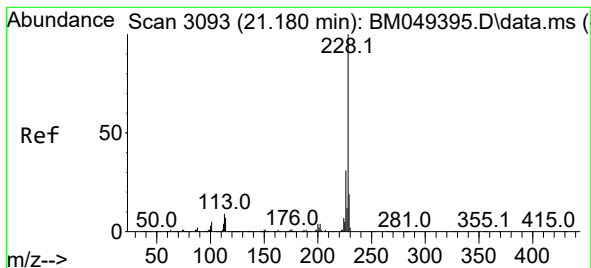
Ion Ratio Lower Upper

228 100

229 19.6 15.8 23.6

226 27.8 22.1 33.1





#87

Chrysene

Concen: 11.230 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BM049417.D

Acq: 23 Jan 2025 13:35

Instrument :

BNA_M

ClientSampleId :

DCZH7DL

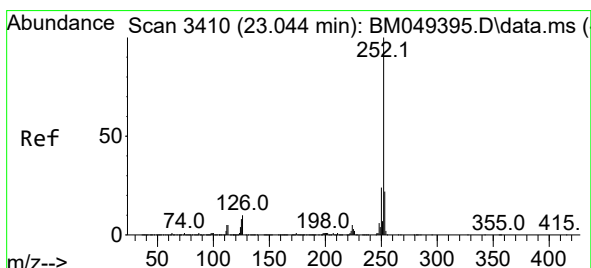
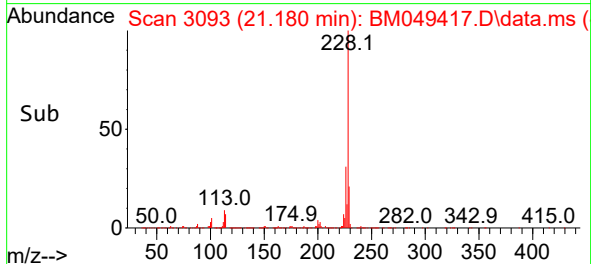
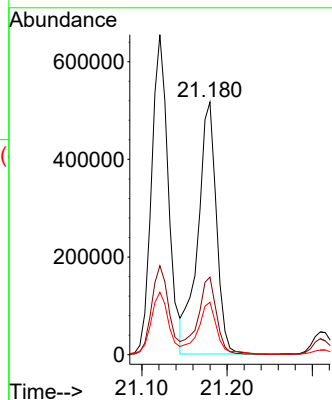
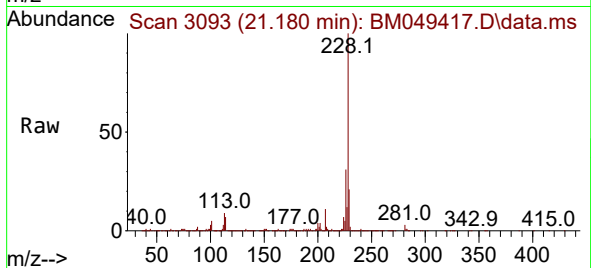
Tgt Ion:228 Resp: 780714

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 20.8 16.0 24.0



#90

Benzo(b)fluoranthene

Concen: 5.076 ng/ul

RT: 23.044 min Scan# 3410

Delta R.T. -0.012 min

Lab File: BM049417.D

Acq: 23 Jan 2025 13:35

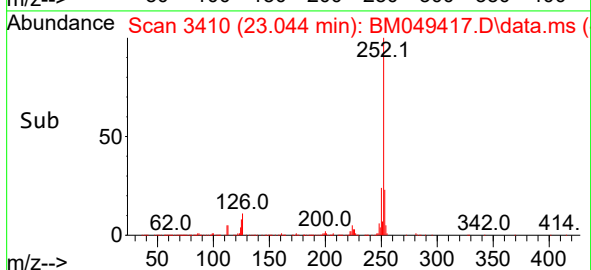
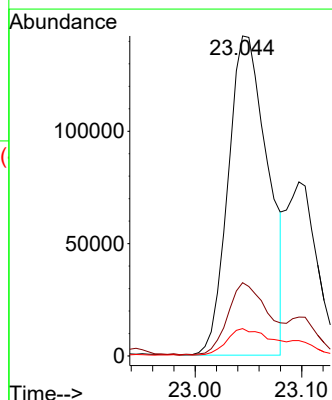
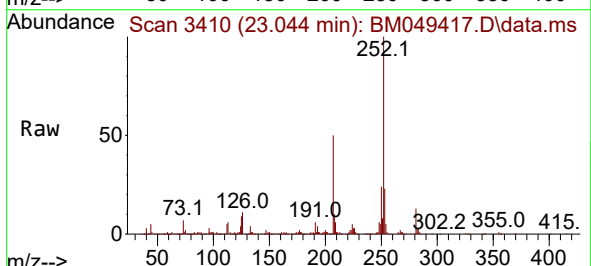
Tgt Ion:252 Resp: 368109

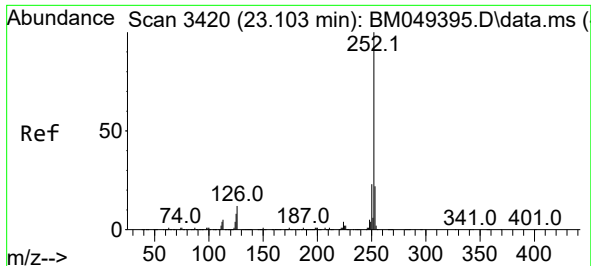
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

125 8.5 6.6 9.8

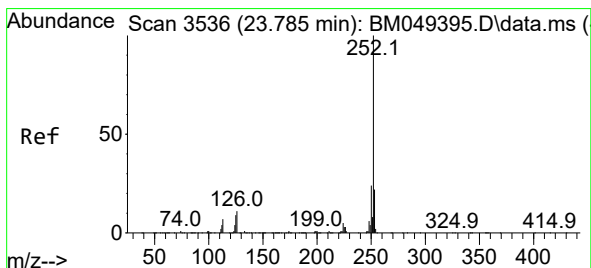
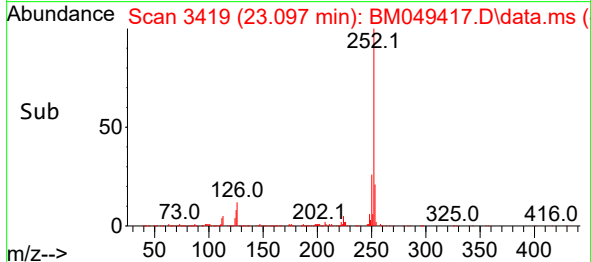
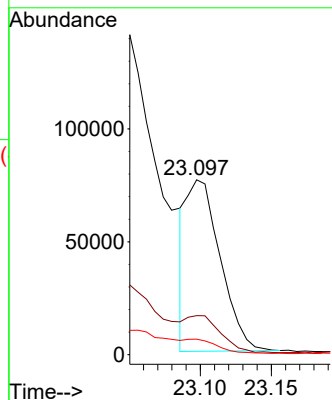
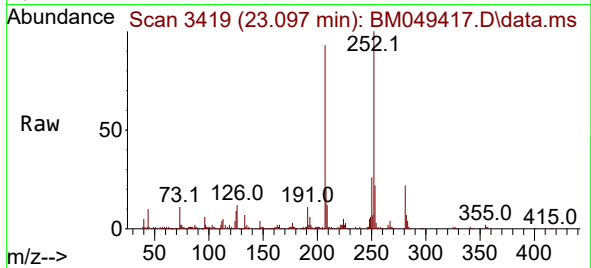




#91
Benzo(k)fluoranthene
Concen: 1.738 ng/ul
RT: 23.097 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM049417.D
Acq: 23 Jan 2025 13:35

Instrument :
BNA_M
ClientSampleId :
DCZH7DL

Tgt Ion:252 Resp: 125676
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 8.9 6.5 9.7



#93
Benzo(a)pyrene
Concen: 3.070 ng/ul
RT: 23.786 min Scan# 3536
Delta R.T. -0.012 min
Lab File: BM049417.D
Acq: 23 Jan 2025 13:35

Tgt Ion:252 Resp: 201117
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 9.1 6.9 10.3

