

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049428.D
 Acq On : 23 Jan 2025 21:22
 Operator : RC/JU
 Sample : Q1139-10DL2 30X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH7DL2

Quant Time: Jan 23 22:13:16 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

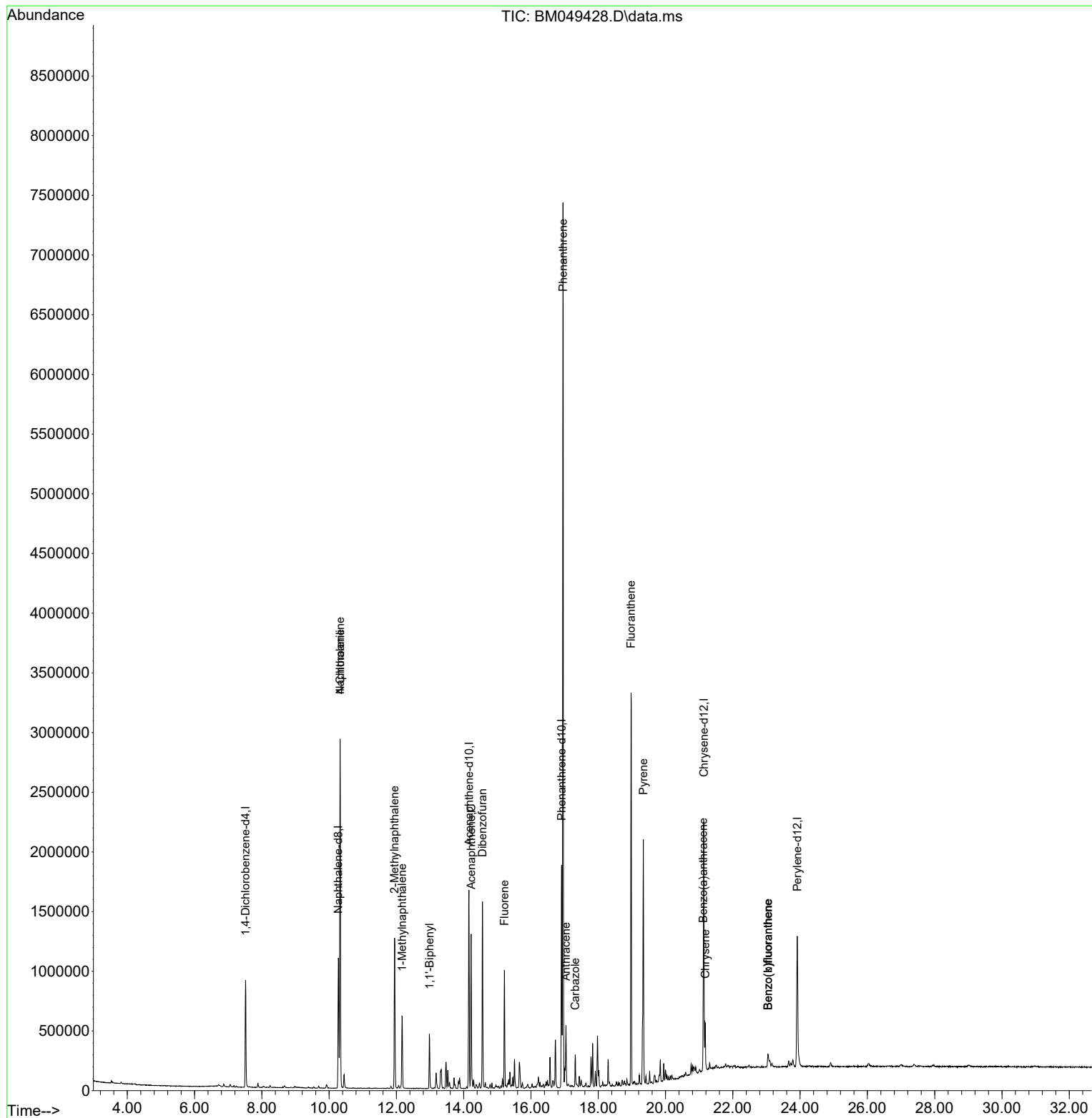
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	248508	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	889486	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.157	164	553577	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.909	188	1061757	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1001504	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	960124	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	1166	0.194	ng/uL	0.00
4) Pyridine-d5	3.528	84	8015	0.419	ng/u1	0.02
7) Phenol-d5	6.710	99	11648	0.558	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	9503	0.684	ng/u1	0.00
11) 2-Chlorophenol-d4	7.063	132	10635	0.666	ng/u1	0.00
15) 4-Methylphenol-d8	8.245	113	7809	0.483	ng/u1	0.00
21) Nitrobenzene-d5	8.669	128	3875	0.571	ng/u1	0.00
24) 2-Nitrophenol-d4	9.381	143	3039	0.401	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.928	165	7619	0.492	ng/u1	0.01
31) 4-Chloroaniline-d4	10.398	131	693	0.034	ng/u1	-0.03
46) Dimethylphthalate-d6	13.580	166	32821	0.797	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	32409	0.689	ng/u1	0.00
54) 4-Nitrophenol-d4	14.451	143	415	0.061	ng/u1	0.06
60) Fluorene-d10	15.157	176	23478	0.660	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.298	200	472	0.070	ng/u1	0.00
73) Anthracene-d10	17.004	188	36983	0.705	ng/u1	-0.01
81) Pyrene-d10	19.309	212	38941	0.639	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.721	264	27831	0.540	ng/u1	-0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.328	128	2306950	48.870	ng/u1	99
32) 4-Chloroaniline	10.328	127	295596	15.225	ng/u1#	7
36) 2-Methylnaphthalene	11.945	142	612216	18.124	ng/u1	100
37) 1-Methylnaphthalene	12.169	142	290326	8.638	ng/u1	98
43) 1,1'-Biphenyl	12.980	154	239580	5.911	ng/u1	98
52) Acenaphthene	14.221	153	502065	14.573	ng/u1	99
56) Dibenzofuran	14.557	168	1007399	20.591	ng/u1	99
61) Fluorene	15.210	166	433386	10.842	ng/u1	99
72) Phenanthrene	16.951	178	4252792	72.048	ng/u1	99
74) Anthracene	17.039	178	323536	5.461	ng/u1	99
77) Carbazole	17.315	167	161725	3.077	ng/u1	99
80) Fluoranthene	18.974	202	2014834	28.768	ng/u1	99
82) Pyrene	19.339	202	1275777	17.112	ng/u1	99
85) Benzo(a)anthracene	21.121	228	273955	3.925	ng/u1	99
87) Chrysene	21.180	228	248070	3.893	ng/u1	100
90) Benzo(b)fluoranthene	23.044	252	117152	1.823	ng/u1	99
91) Benzo(k)fluoranthene	23.044	252	117152	1.828	ng/u1	98

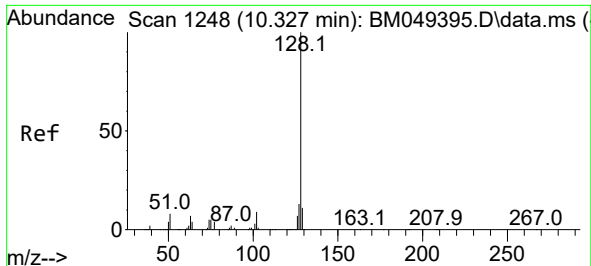
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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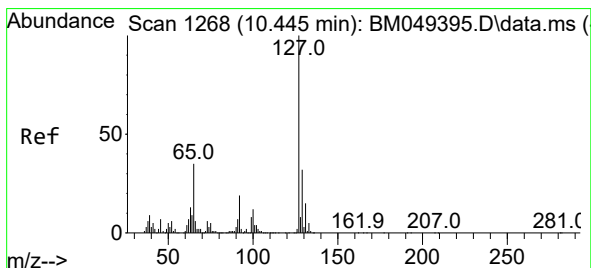
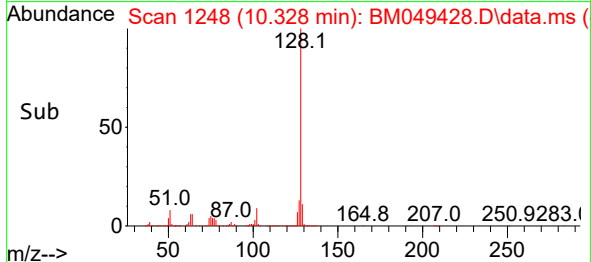
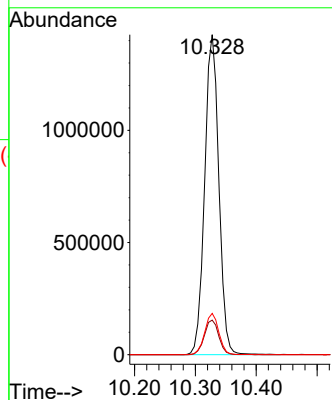
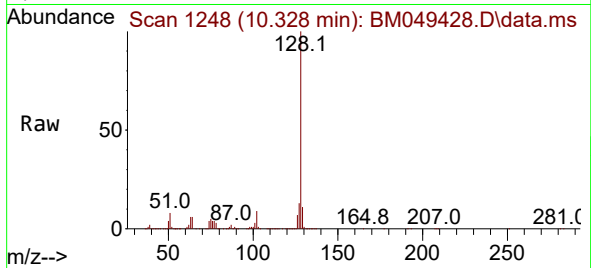




#30
Naphthalene
Concen: 48.870 ng/ul
RT: 10.328 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BM049428.D
Acq: 23 Jan 2025 21:22

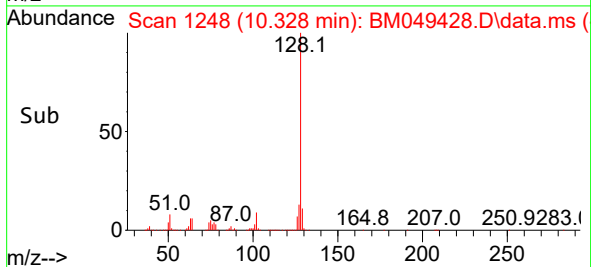
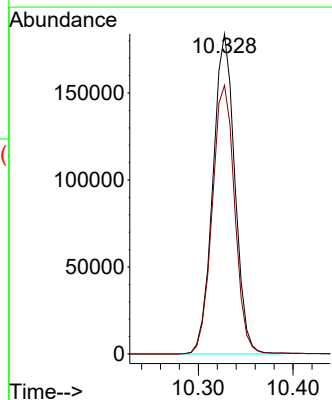
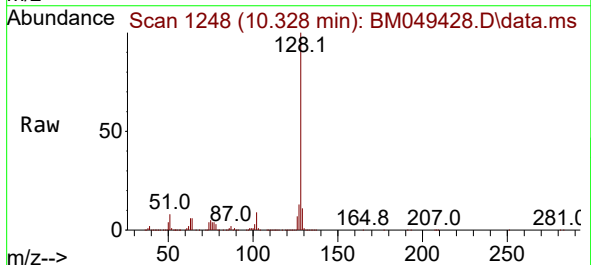
Instrument :
BNA_M
ClientSampleId :
DCZH7DL2

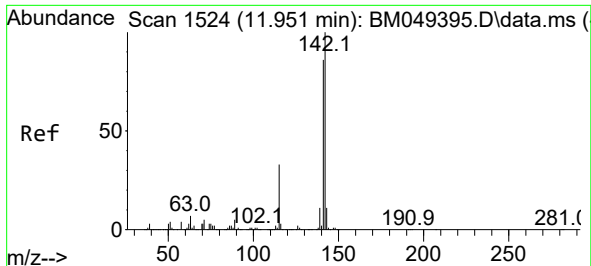
Tgt Ion:128 Resp: 2306950
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 12.9 10.2 15.2



#32
4-Chloroaniline
Concen: 15.225 ng/ul
RT: 10.328 min Scan# 1248
Delta R.T. -0.124 min
Lab File: BM049428.D
Acq: 23 Jan 2025 21:22

Tgt Ion:127 Resp: 295596
Ion Ratio Lower Upper
127 100
129 84.0 25.7 38.5#

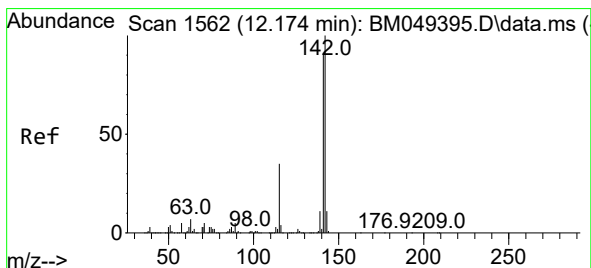
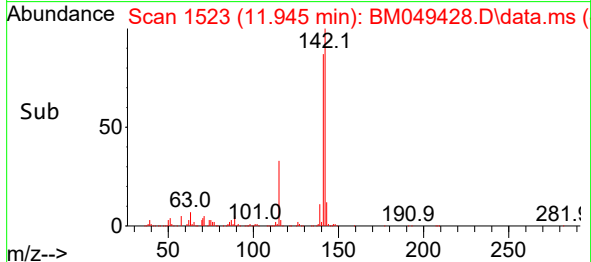
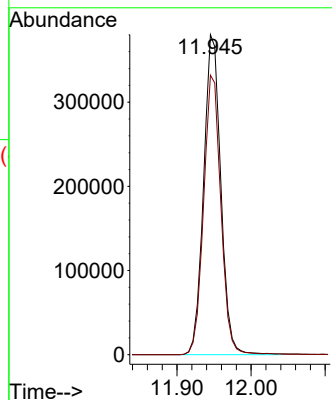
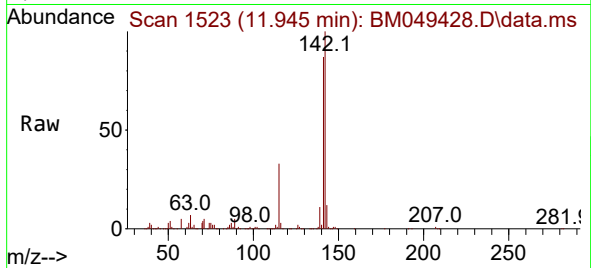




#36
2-Methylnaphthalene
Concen: 18.124 ng/ul
RT: 11.945 min Scan# 1523
Delta R.T. -0.012 min
Lab File: BM049428.D
Acq: 23 Jan 2025 21:22

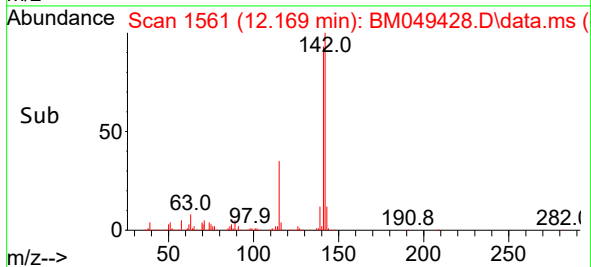
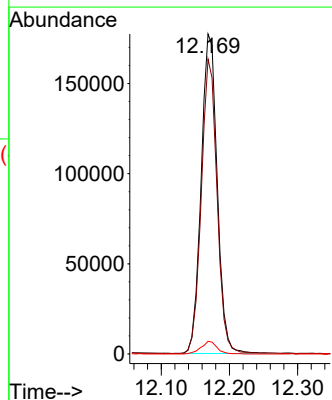
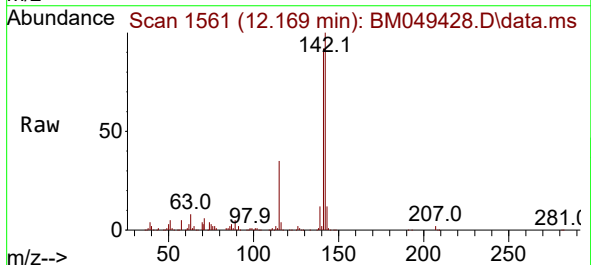
Instrument :
BNA_M
ClientSampleId :
DCZH7DL2

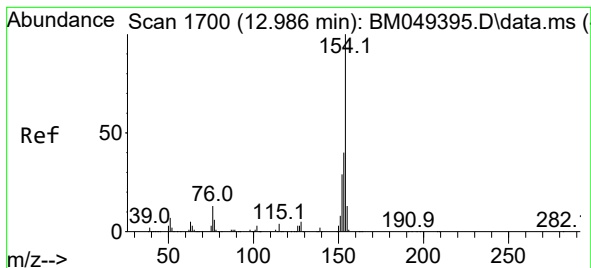
Tgt Ion:142 Resp: 612216
Ion Ratio Lower Upper
142 100
141 87.4 69.6 104.4



#37
1-Methylnaphthalene
Concen: 8.638 ng/ul
RT: 12.169 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BM049428.D
Acq: 23 Jan 2025 21:22

Tgt Ion:142 Resp: 290326
Ion Ratio Lower Upper
142 100
141 92.1 71.9 107.9
116 4.0 2.8 4.2





#43

1,1'-Biphenyl

Concen: 5.911 ng/ul

RT: 12.980 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049428.D

Acq: 23 Jan 2025 21:22

Instrument :

BNA_M

ClientSampleId :

DCZH7DL2

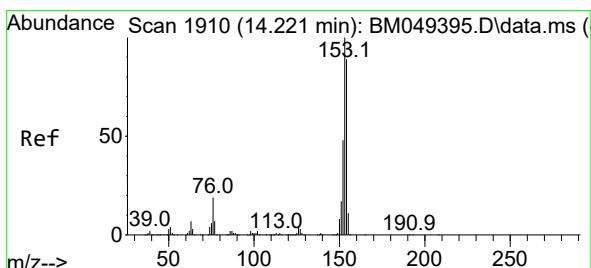
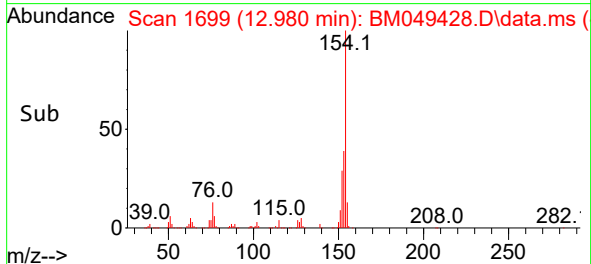
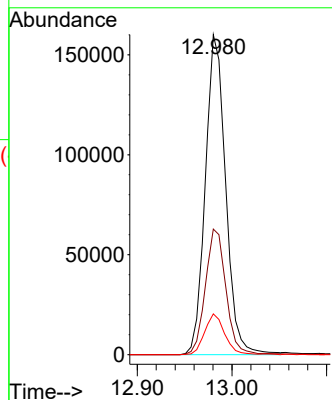
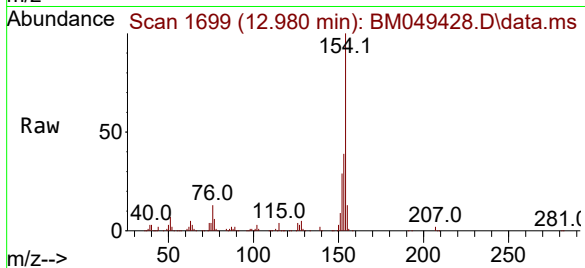
Tgt Ion:154 Resp: 239580

Ion Ratio Lower Upper

154 100

153 39.3 31.0 46.4

76 12.7 9.1 13.7



#52

Acenaphthene

Concen: 14.573 ng/ul

RT: 14.221 min Scan# 1910

Delta R.T. -0.006 min

Lab File: BM049428.D

Acq: 23 Jan 2025 21:22

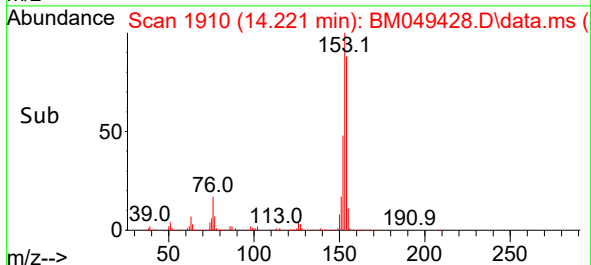
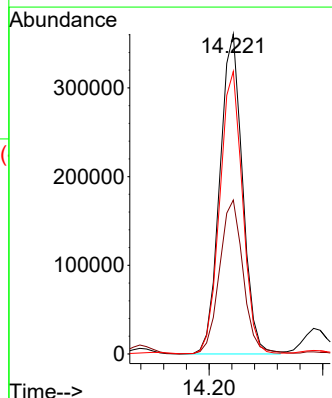
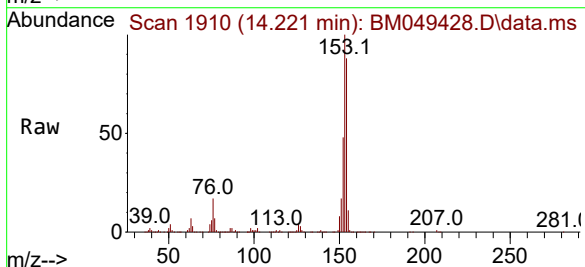
Tgt Ion:153 Resp: 502065

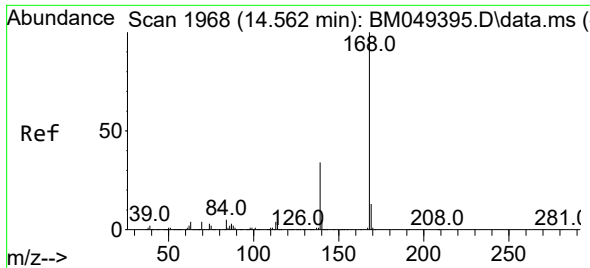
Ion Ratio Lower Upper

153 100

152 48.1 39.0 58.6

154 88.3 71.6 107.4

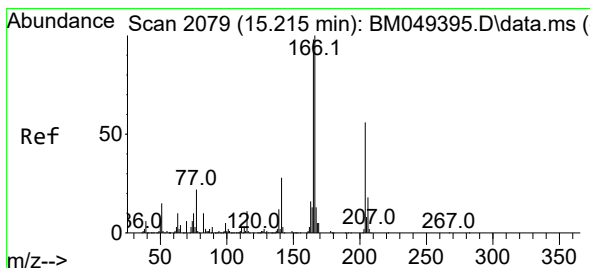
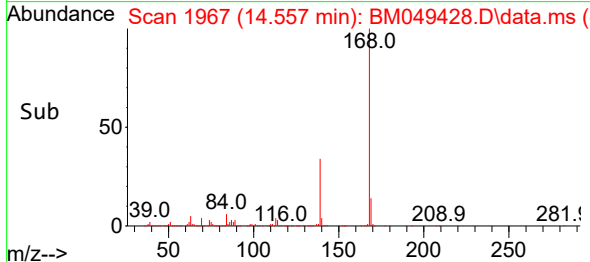
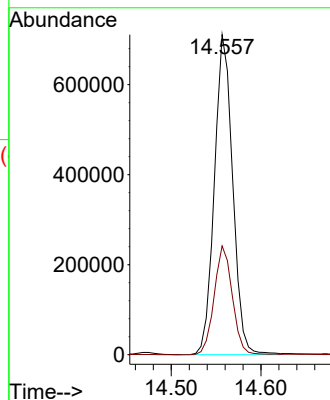
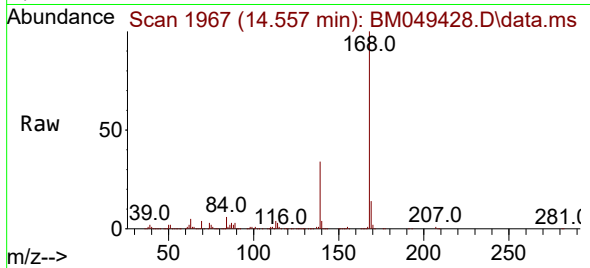




#56
Dibenzenofuran
Concen: 20.591 ng/ul
RT: 14.557 min Scan# 1967
Delta R.T. -0.012 min
Lab File: BM049428.D
Acq: 23 Jan 2025 21:22

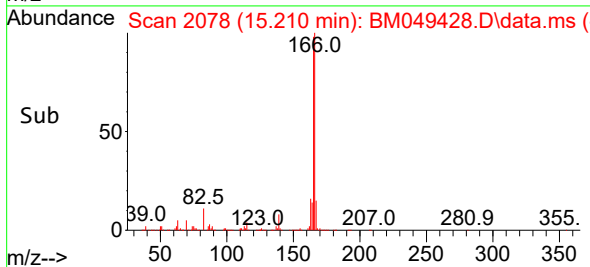
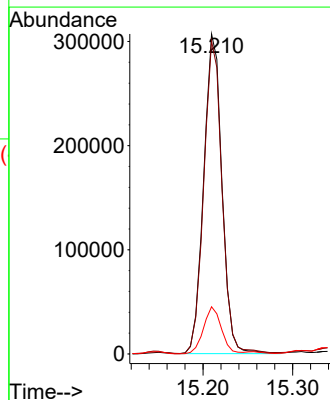
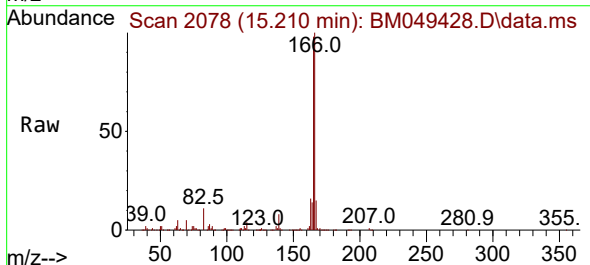
Instrument :
BNA_M
ClientSampleId :
DCZH7DL2

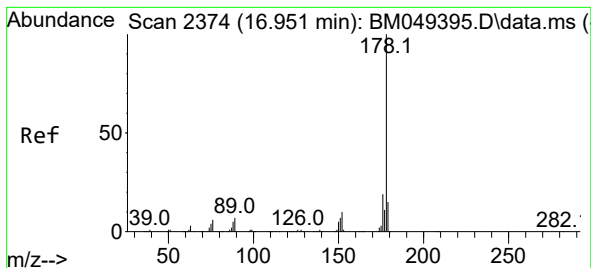
Tgt Ion:168 Resp: 1007399
Ion Ratio Lower Upper
168 100
139 34.0 27.0 40.4



#61
Fluorene
Concen: 10.842 ng/ul
RT: 15.210 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BM049428.D
Acq: 23 Jan 2025 21:22

Tgt Ion:166 Resp: 433386
Ion Ratio Lower Upper
166 100
165 97.9 77.7 116.5
167 14.8 10.7 16.1





#72

Phenanthrene

Concen: 72.048 ng/u1

RT: 16.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049428.D

Acq: 23 Jan 2025 21:22

Instrument :

BNA_M

ClientSampleId :

DCZH7DL2

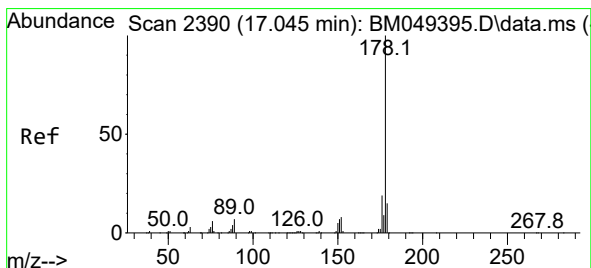
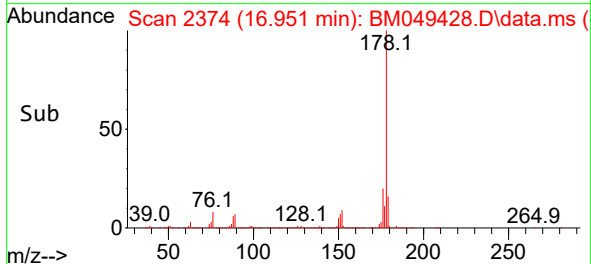
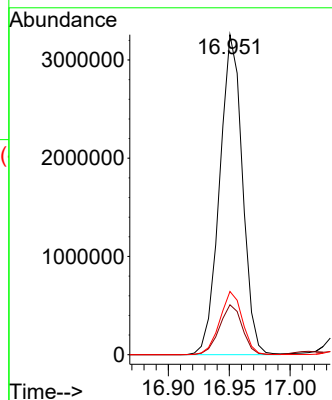
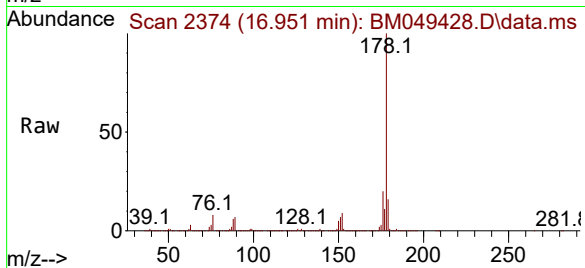
Tgt Ion:178 Resp: 4252792

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

176 19.7 15.4 23.2



#74

Anthracene

Concen: 5.461 ng/u1

RT: 17.039 min Scan# 2389

Delta R.T. -0.012 min

Lab File: BM049428.D

Acq: 23 Jan 2025 21:22

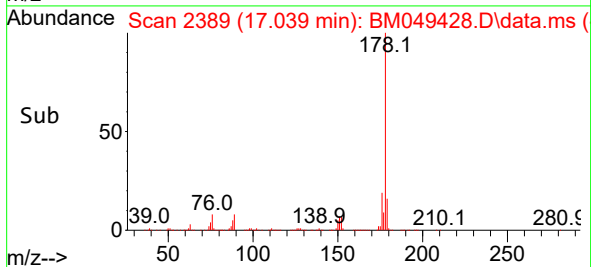
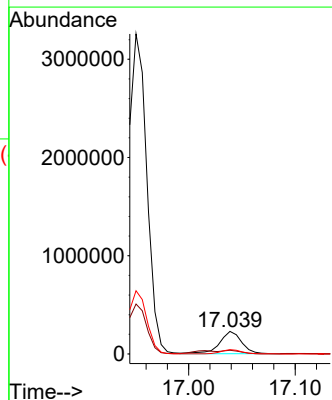
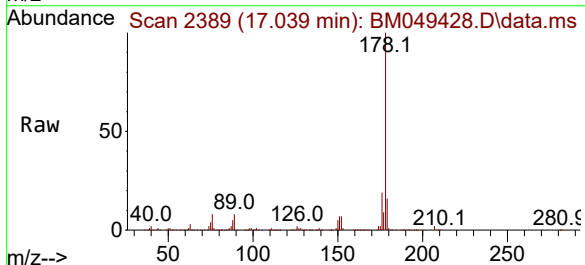
Tgt Ion:178 Resp: 323536

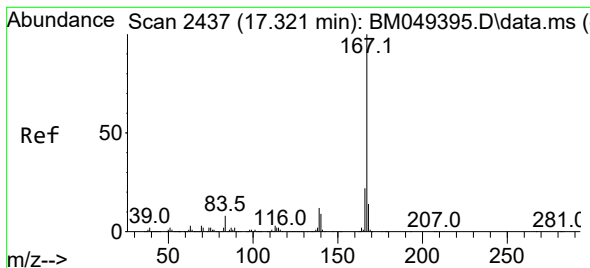
Ion Ratio Lower Upper

178 100

179 16.4 12.5 18.7

176 18.9 15.1 22.7





#77

Carbazole

Concen: 3.077 ng/ul

RT: 17.315 min Scan# 2436

Delta R.T. -0.012 min

Lab File: BM049428.D

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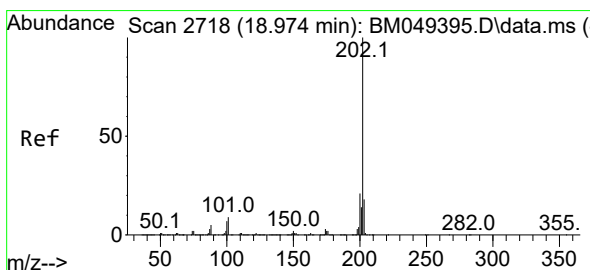
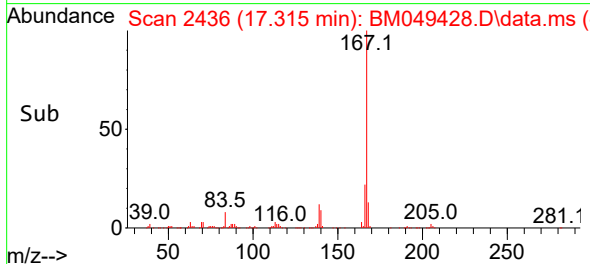
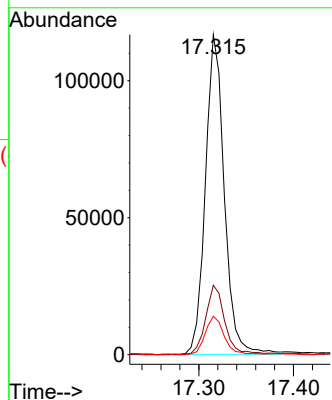
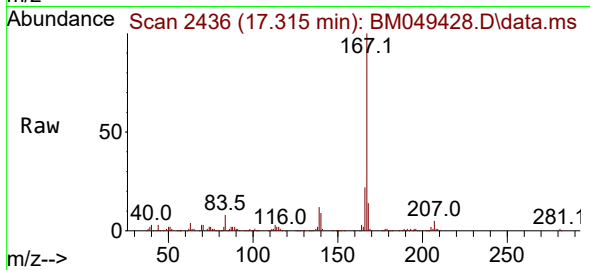
Tgt Ion:167 Resp: 161725

Ion Ratio Lower Upper

167 100

166 21.7 16.7 25.1

139 12.0 9.5 14.3



#80

Fluoranthene

Concen: 28.768 ng/ul

RT: 18.974 min Scan# 2718

Delta R.T. -0.012 min

Lab File: BM049428.D

Acq: 23 Jan 2025 21:22

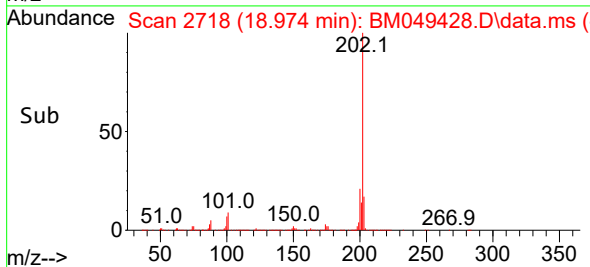
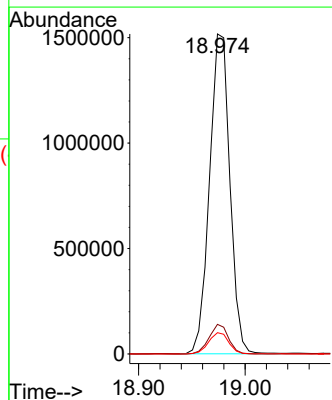
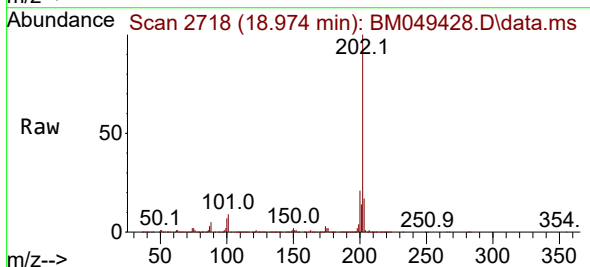
Tgt Ion:202 Resp: 2014834

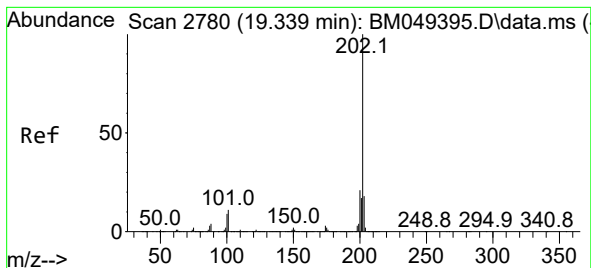
Ion Ratio Lower Upper

202 100

101 9.3 7.0 10.4

100 6.6 5.0 7.6





#82

Pyrene

Concen: 17.112 ng/ul

RT: 19.339 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049428.D

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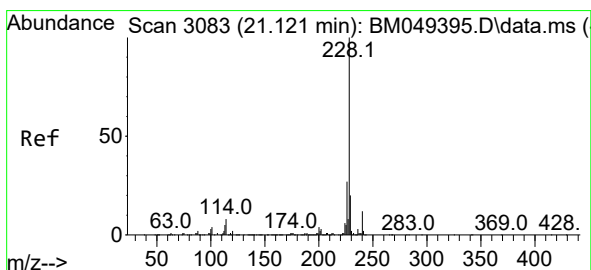
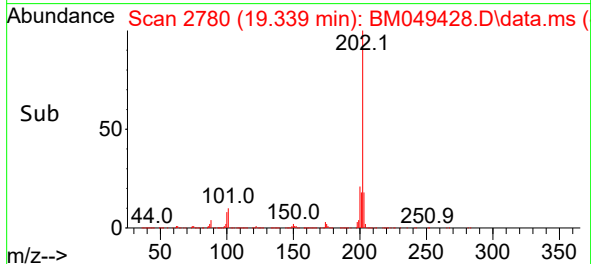
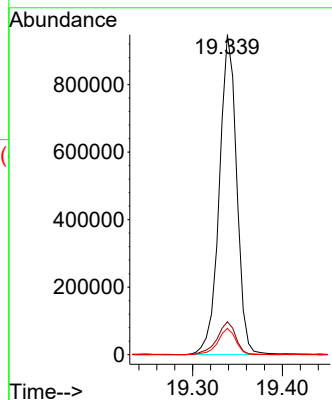
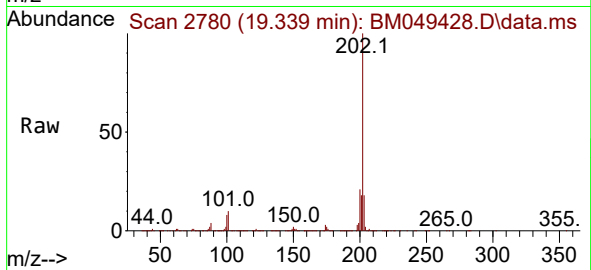
Tgt Ion:202 Resp: 1275777

Ion Ratio Lower Upper

202 100

101 10.3 7.8 11.8

100 8.2 6.6 10.0



#85

Benzo(a)anthracene

Concen: 3.925 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049428.D

Acq: 23 Jan 2025 21:22

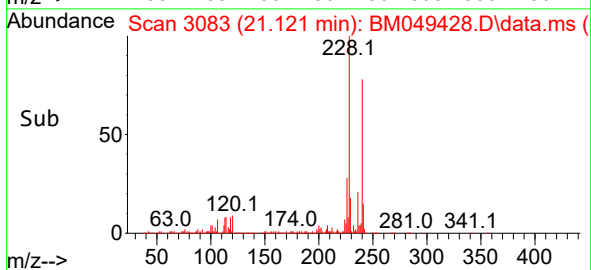
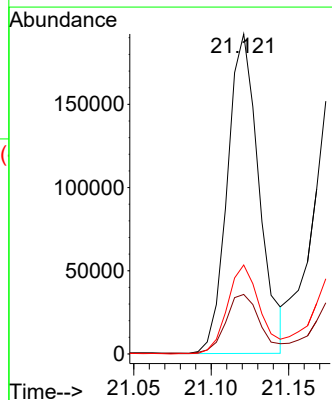
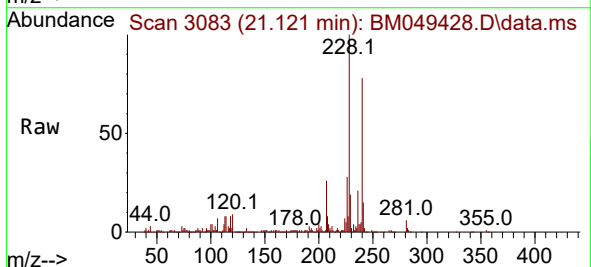
Tgt Ion:228 Resp: 273955

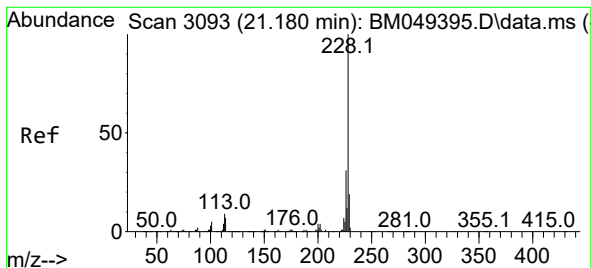
Ion Ratio Lower Upper

228 100

229 18.6 15.8 23.6

226 27.8 22.1 33.1





#87

Chrysene

Concen: 3.893 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BM049428.D

Acq: 23 Jan 2025 21:22

Instrument :

BNA_M

ClientSampleId :

DCZH7DL2

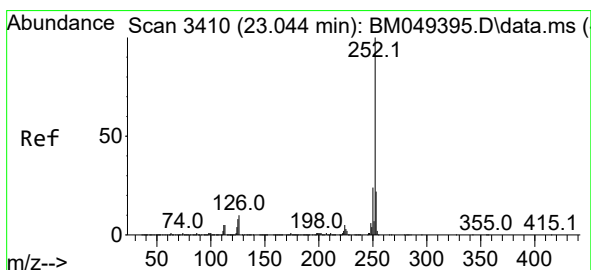
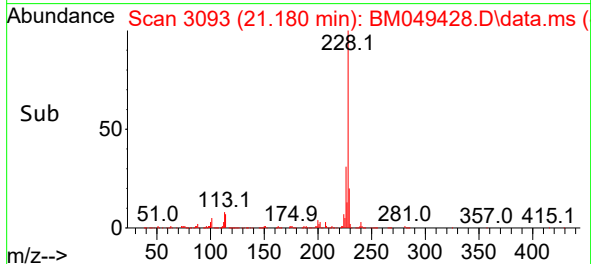
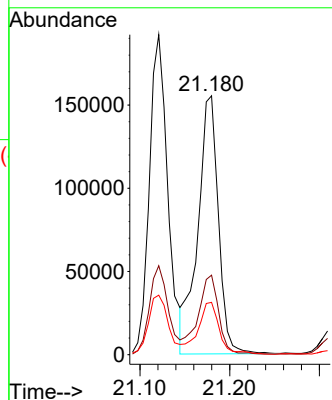
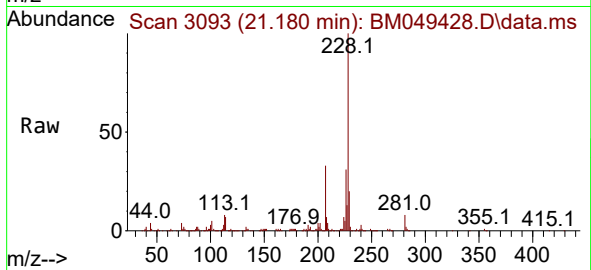
Tgt Ion:228 Resp: 248070

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 20.2 16.0 24.0



#90

Benzo(b)fluoranthene

Concen: 1.823 ng/ul

RT: 23.044 min Scan# 3410

Delta R.T. -0.012 min

Lab File: BM049428.D

Acq: 23 Jan 2025 21:22

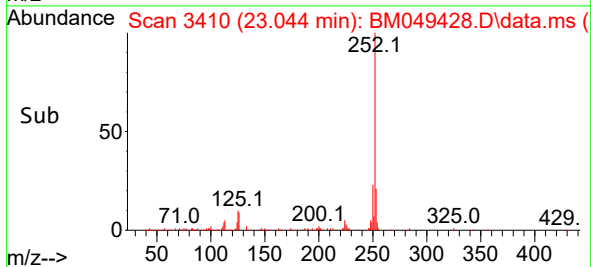
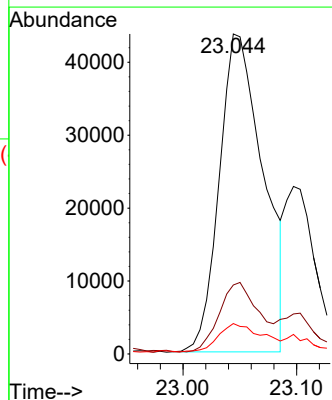
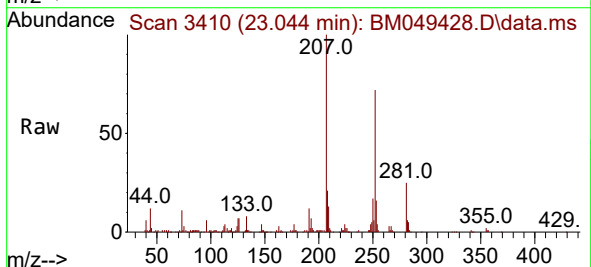
Tgt Ion:252 Resp: 117152

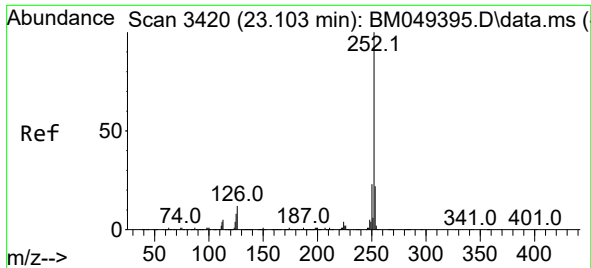
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

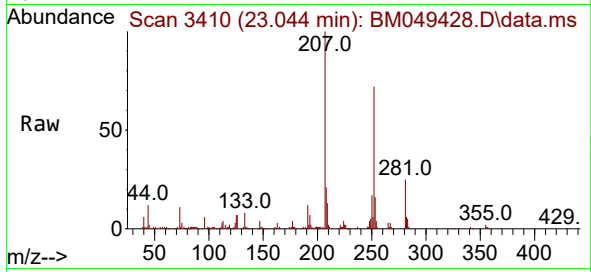
125 9.5 6.6 9.8





#91
Benzo(k)fluoranthene
Concen: 1.828 ng/ul
RT: 23.044 min Scan# 34
Delta R.T. -0.071 min
Lab File: BM049428.D
Acq: 23 Jan 2025 21:22

Instrument :
BNA_M
ClientSampleId :
DCZH7DL2



Tgt Ion:252 Resp: 117152
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 9.5 6.5 9.7

