

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049427.D
 Acq On : 23 Jan 2025 20:43
 Operator : RC/JU
 Sample : Q1139-12DL2 30X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH9DL2

Quant Time: Jan 23 22:12:58 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

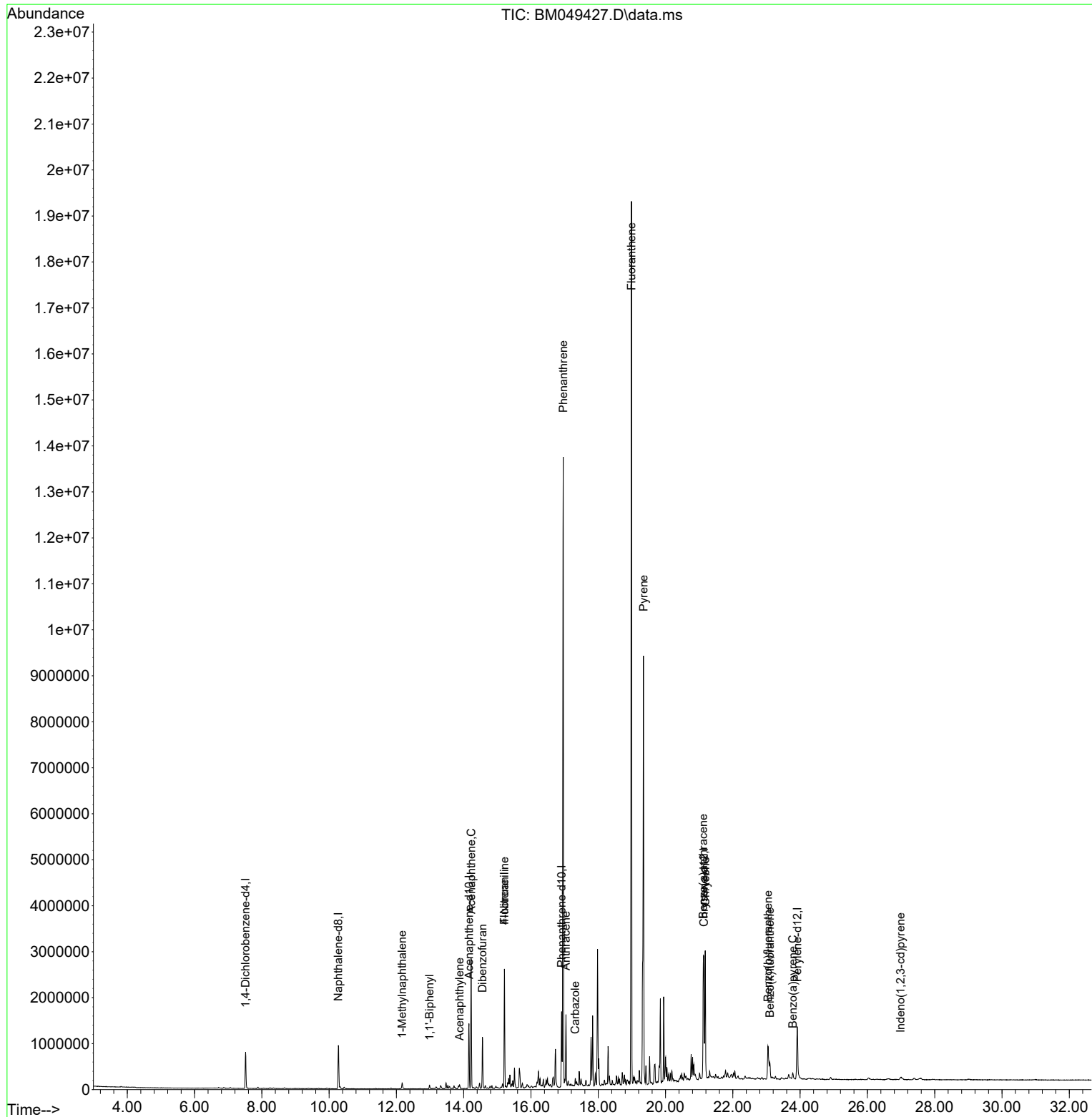
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	222831	20.000	ng/ul	0.00
20) Naphthalene-d8	10.275	136	785181	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.157	164	478417	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.909	188	988460	20.000	ng/ul	0.00
79) Chrysene-d12	21.139	240	1014305	20.000	ng/ul	0.00
88) Perylene-d12	23.915	264	991553	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.128	96	1320	0.245	ng/uL	0.00
4) Pyridine-d5	3.499	84	1204	0.070	ng/ul	-0.01
7) Phenol-d5	6.716	99	11082	0.592	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	10447	0.839	ng/ul	0.00
11) 2-Chlorophenol-d4	7.063	132	9247	0.646	ng/ul	0.00
15) 4-Methylphenol-d8	8.245	113	7246	0.500	ng/ul	0.00
21) Nitrobenzene-d5	8.675	128	3853	0.644	ng/ul	0.00
24) 2-Nitrophenol-d4	9.381	143	3560	0.532	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.933	165	6770	0.496	ng/ul	0.02
31) 4-Chloroaniline-d4	10.404	131	521	0.029	ng/ul	-0.02
46) Dimethylphthalate-d6	13.580	166	34058	0.956	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	34769	0.855	ng/ul	0.00
54) 4-Nitrophenol-d4	14.392	143	137	0.023	ng/ul	0.00
60) Fluorene-d10	15.157	176	27538	0.895	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.292	200	1291	0.205	ng/ul	0.00
73) Anthracene-d10	17.004	188	45796	0.937	ng/ul	-0.01
81) Pyrene-d10	19.309	212	44795	0.726	ng/ul	-0.01
92) Benzo(a)pyrene-d12	23.727	264	29855	0.561	ng/ul	-0.02
Target Compounds						
					Qvalue	
37) 1-Methylnaphthalene	12.169	142	66193	2.231	ng/ul	97
43) 1,1'-Biphenyl	12.986	154	43344	1.237	ng/ul	95
50) Acenaphthylene	13.874	152	46758	1.122	ng/ul#	95
52) Acenaphthene	14.221	153	1058492	35.550	ng/ul	100
56) Dibenzofuran	14.557	168	710926	16.814	ng/ul	100
61) Fluorene	15.210	166	1117715	32.354	ng/ul	99
63) 4-Nitroaniline	15.210	138	10625	1.832	ng/ul#	21
72) Phenanthrene	16.957	178	8311722	151.253	ng/ul	99
74) Anthracene	17.039	178	909229	16.484	ng/ul	100
77) Carbazole	17.315	167	69700	1.424	ng/ul#	91
80) Fluoranthene	18.986	202	11784415	166.136	ng/ul	100
82) Pyrene	19.345	202	5793944	76.735	ng/ul	99
85) Benzo(a)anthracene	21.121	228	1266341	17.915	ng/ul	99
87) Chrysene	21.180	228	1666909	25.831	ng/ul	100
90) Benzo(b)fluoranthene	23.044	252	744974	11.225	ng/ul	99
91) Benzo(k)fluoranthene	23.097	252	246129	3.719	ng/ul	99
93) Benzo(a)pyrene	23.780	252	129363	2.158	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.985	276	70799	1.030	ng/ul	98

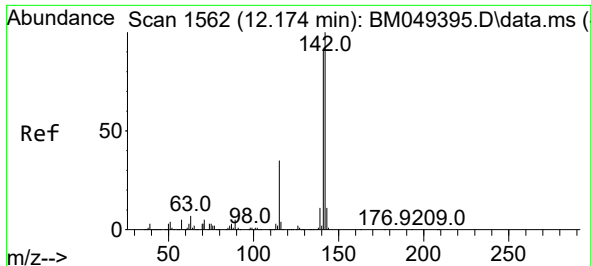
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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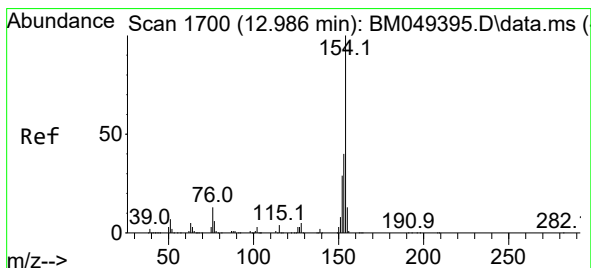
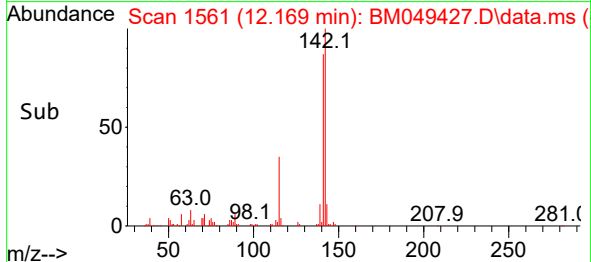
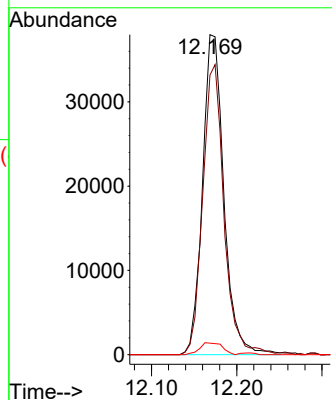
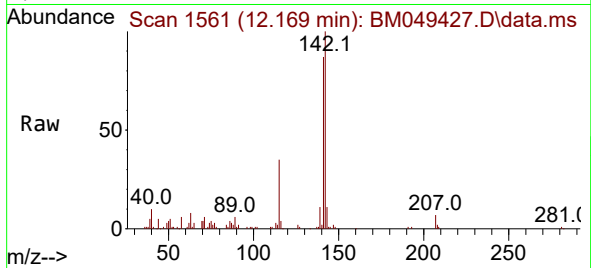




#37
1-Methylnaphthalene
Concen: 2.231 ng/ul
RT: 12.169 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

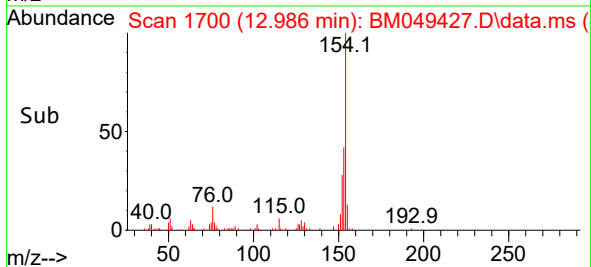
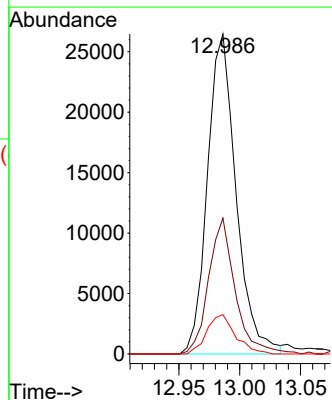
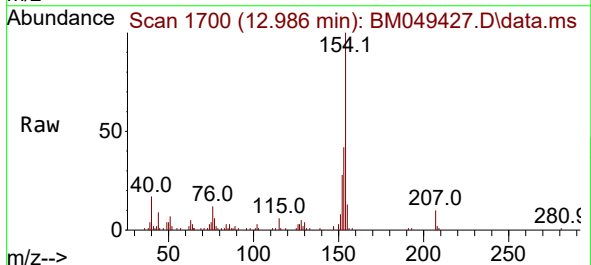
Instrument :
BNA_M
ClientSampleId :
DCZH9DL2

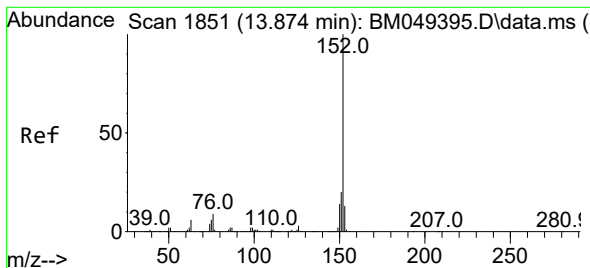
Tgt Ion:142 Resp: 66193
Ion Ratio Lower Upper
142 100
141 87.3 71.9 107.9
116 3.6 2.8 4.2



#43
1,1'-Biphenyl
Concen: 1.237 ng/ul
RT: 12.986 min Scan# 1700
Delta R.T. -0.006 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

Tgt Ion:154 Resp: 43344
Ion Ratio Lower Upper
154 100
153 42.4 31.0 46.4
76 12.3 9.1 13.7

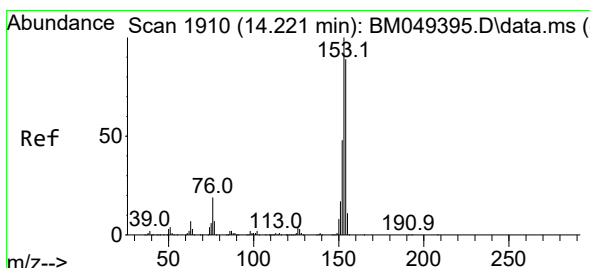
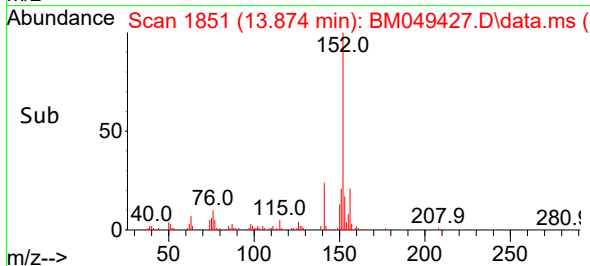
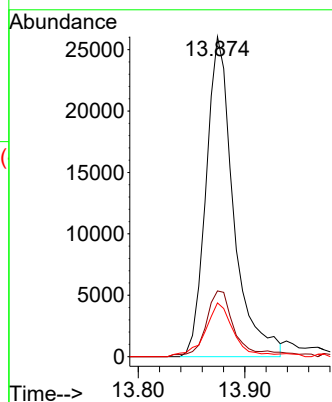
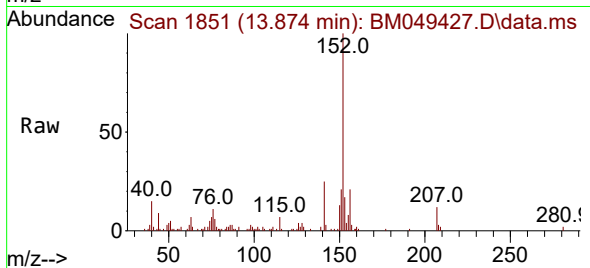




#50
Acenaphthylene
Concen: 1.122 ng/ul
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

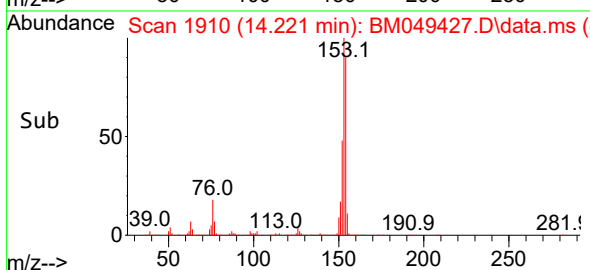
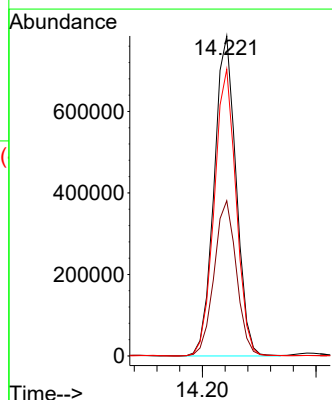
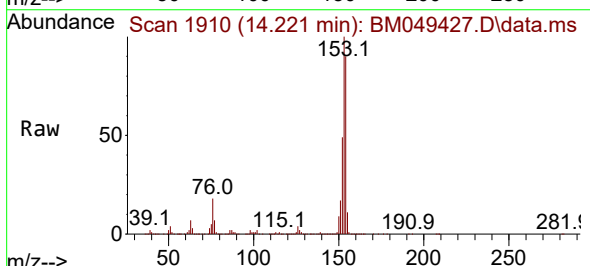
Instrument :
BNA_M
ClientSampleId :
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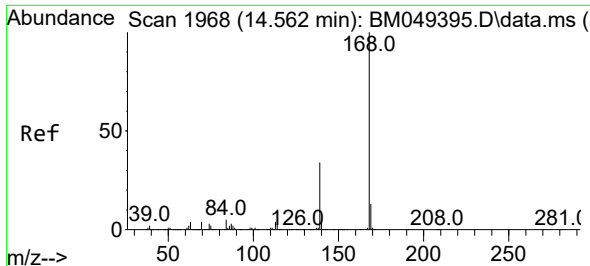
Tgt Ion:152 Resp: 46758
Ion Ratio Lower Upper
152 100
151 20.6 15.8 23.8
153 16.8 10.6 15.8#



#52
Acenaphthene
Concen: 35.550 ng/ul
RT: 14.221 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

Tgt Ion:153 Resp: 1058492
Ion Ratio Lower Upper
153 100
152 48.5 39.0 58.6
154 89.6 71.6 107.4

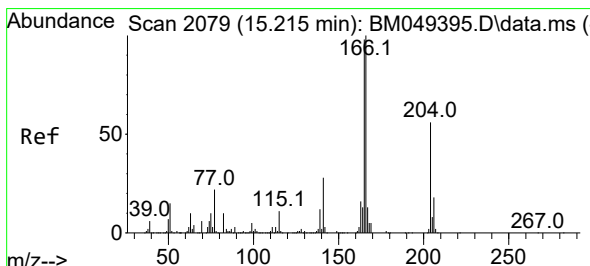
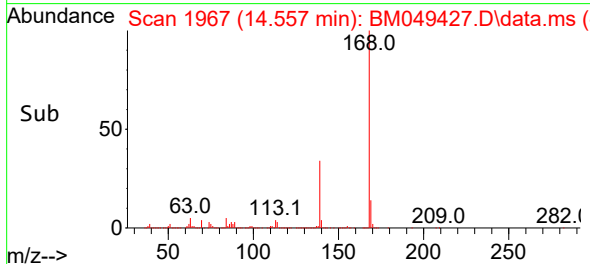
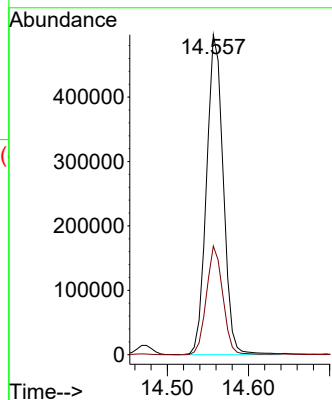
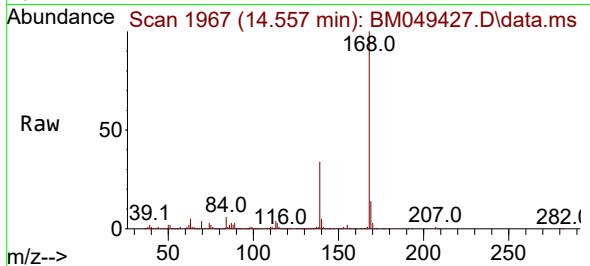




#56
Dibenzofuran
Concen: 16.814 ng/ul
RT: 14.557 min Scan# 1967
Delta R.T. -0.012 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

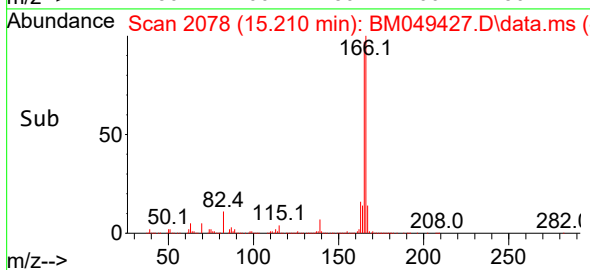
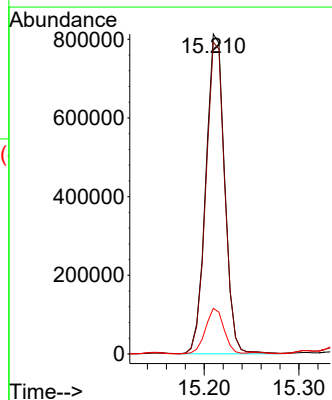
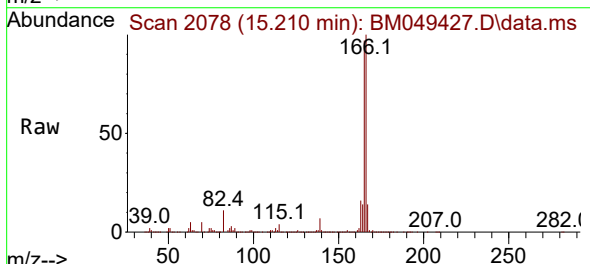
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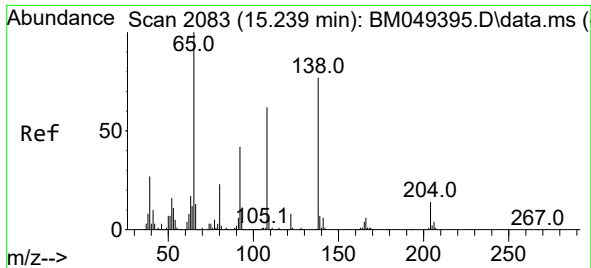
Tgt Ion:168 Resp: 710926
Ion Ratio Lower Upper
168 100
139 33.9 27.0 40.4



#61
Fluorene
Concen: 32.354 ng/ul
RT: 15.210 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

Tgt Ion:166 Resp: 1117715
Ion Ratio Lower Upper
166 100
165 97.4 77.7 116.5
167 14.2 10.7 16.1

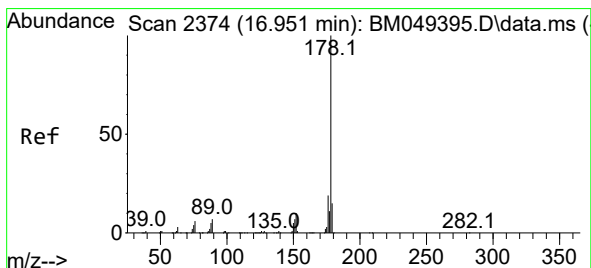
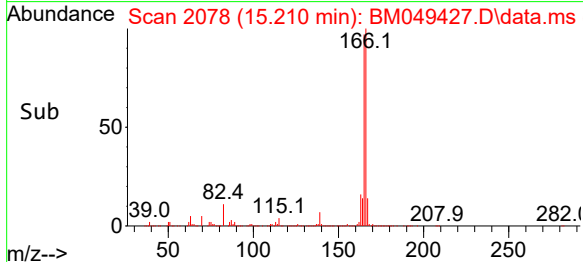
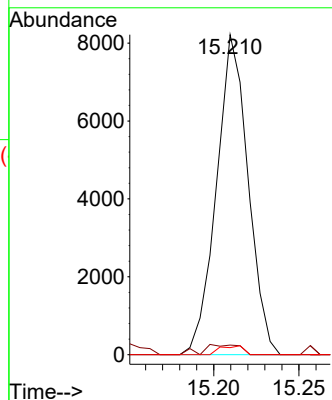
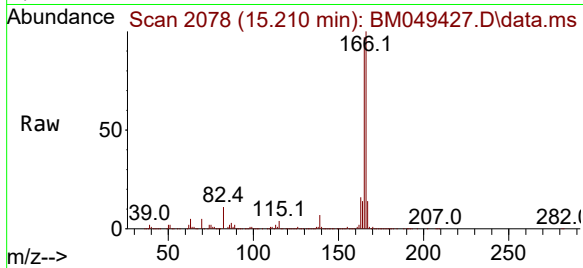




#63
4-Nitroaniline
Concen: 1.832 ng/ul
RT: 15.210 min Scan# 2083
Delta R.T. -0.041 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

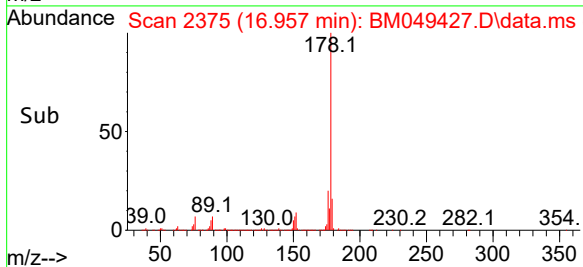
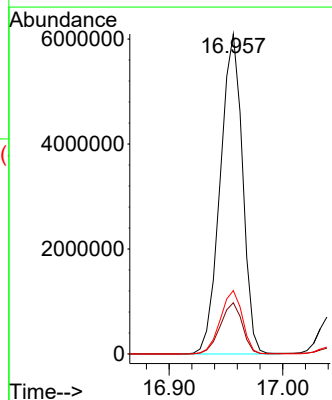
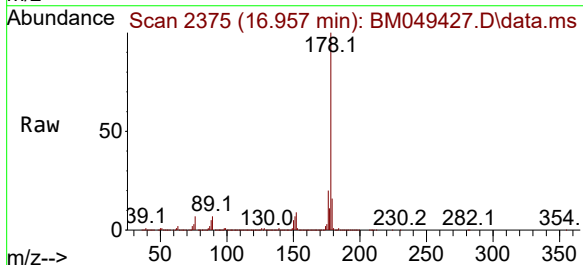
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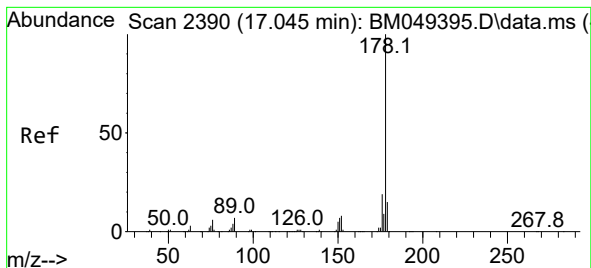
Tgt Ion:138 Resp: 10625
Ion Ratio Lower Upper
138 100
92 3.0 42.0 63.0#
108 2.2 60.3 90.5#



#72
Phenanthrene
Concen: 151.253 ng/ul
RT: 16.957 min Scan# 2375
Delta R.T. -0.000 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

Tgt Ion:178 Resp: 8311722
Ion Ratio Lower Upper
178 100
179 16.0 12.6 19.0
176 19.8 15.4 23.2





#74

Anthracene

Concen: 16.484 ng/ul

RT: 17.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049427.D

Acq: 23 Jan 2025 20:43

Instrument :

BNA_M

ClientSampleId :

DCZH9DL2

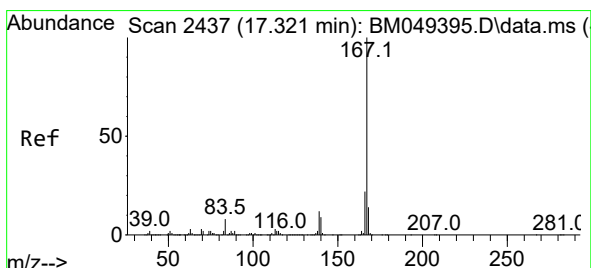
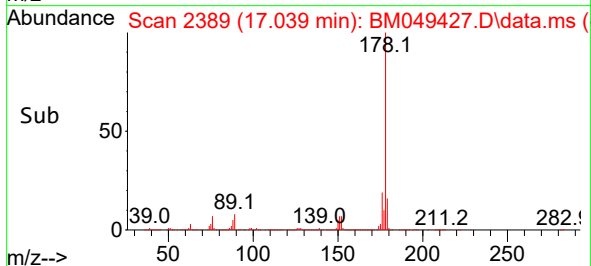
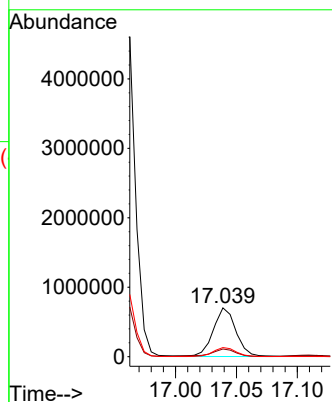
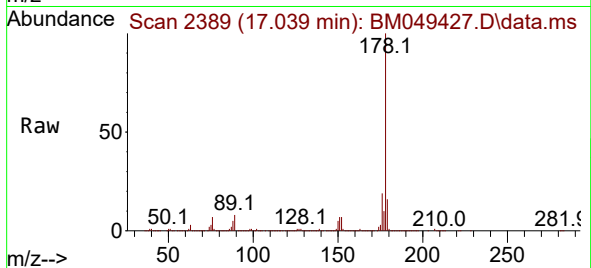
Tgt Ion:178 Resp: 909229

Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

176 18.8 15.1 22.7



#77

Carbazole

Concen: 1.424 ng/ul

RT: 17.315 min Scan# 2436

Delta R.T. -0.012 min

Lab File: BM049427.D

Acq: 23 Jan 2025 20:43

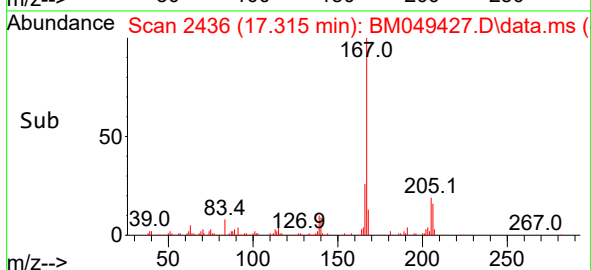
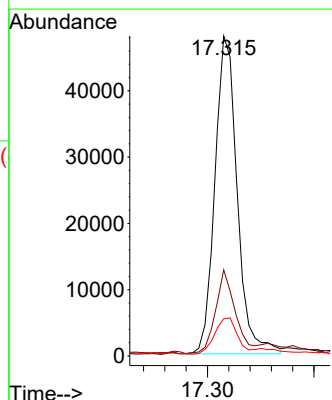
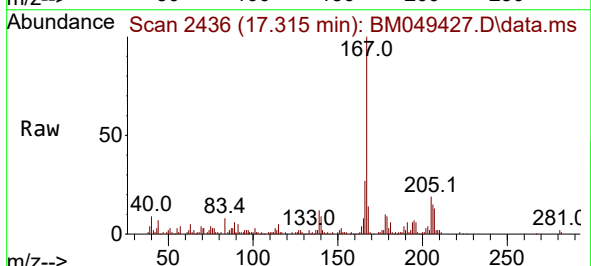
Tgt Ion:167 Resp: 69700

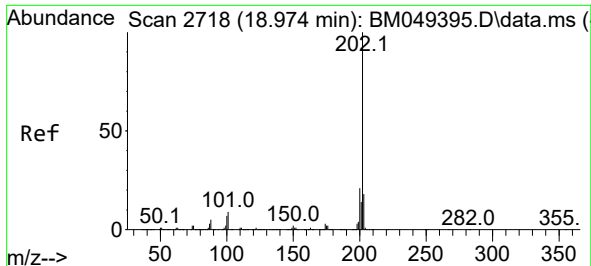
Ion Ratio Lower Upper

167 100

166 26.9 16.7 25.1#

139 11.6 9.5 14.3

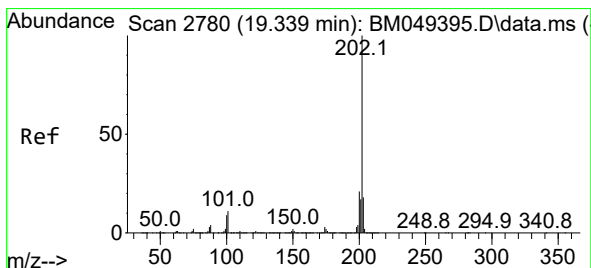
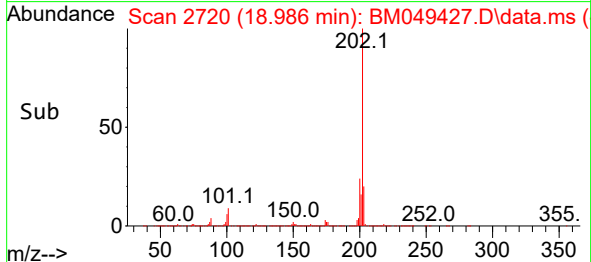
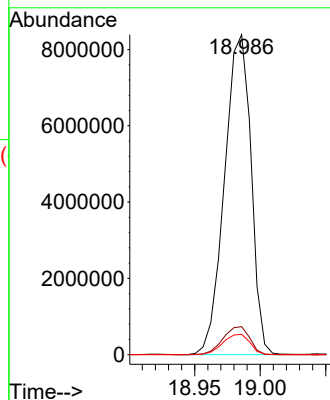
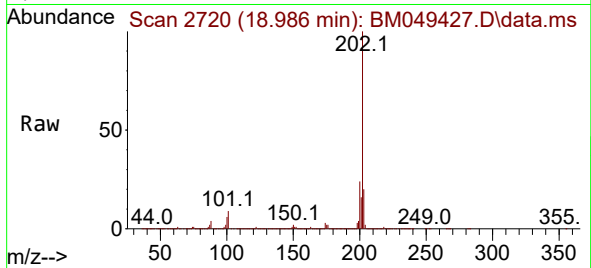




#80
Fluoranthene
Concen: 166.136 ng/ul
RT: 18.986 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

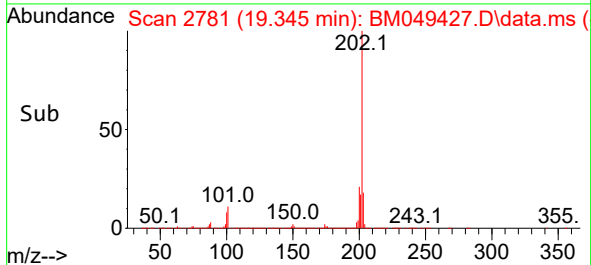
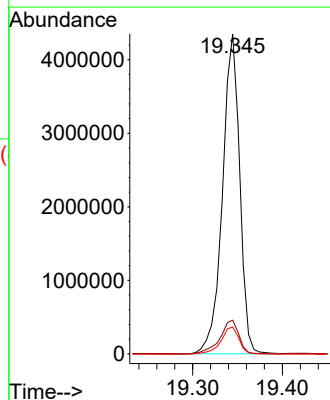
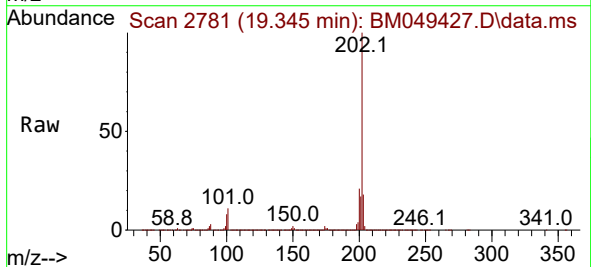
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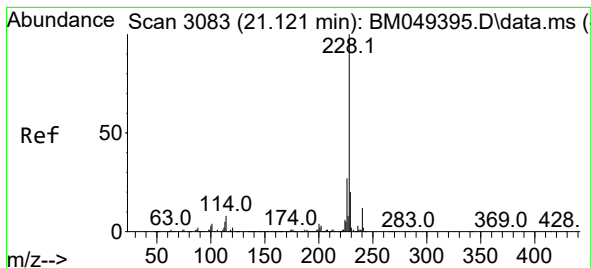
Tgt Ion:202 Resp:11784415
Ion Ratio Lower Upper
202 100
101 8.7 7.0 10.4
100 6.4 5.0 7.6



#82
Pyrene
Concen: 76.735 ng/ul
RT: 19.345 min Scan# 2781
Delta R.T. -0.006 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

Tgt Ion:202 Resp: 5793944
Ion Ratio Lower Upper
202 100
101 10.6 7.8 11.8
100 8.4 6.6 10.0





#85

Benzo(a)anthracene

Concen: 17.915 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049427.D

Acq: 23 Jan 2025 20:43

Instrument :

BNA_M

ClientSampleId :

DCZH9DL2

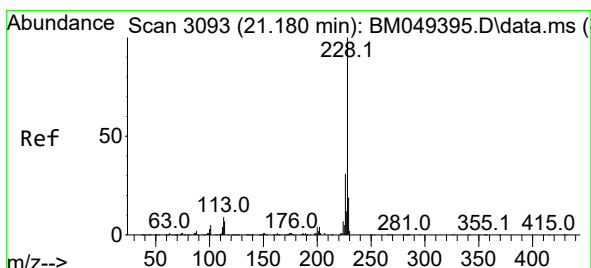
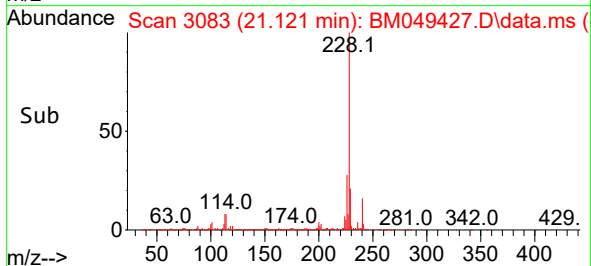
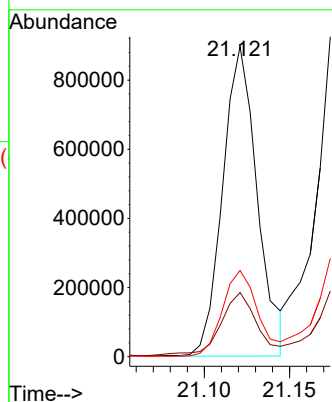
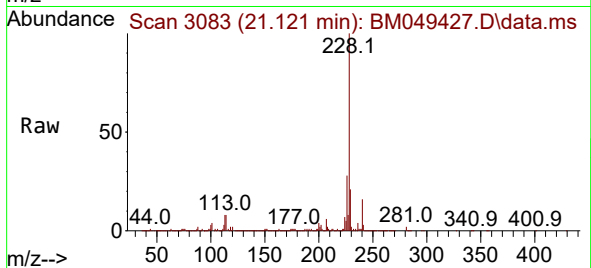
Tgt Ion:228 Resp: 1266341

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

226 27.8 22.1 33.1



#87

Chrysene

Concen: 25.831 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BM049427.D

Acq: 23 Jan 2025 20:43

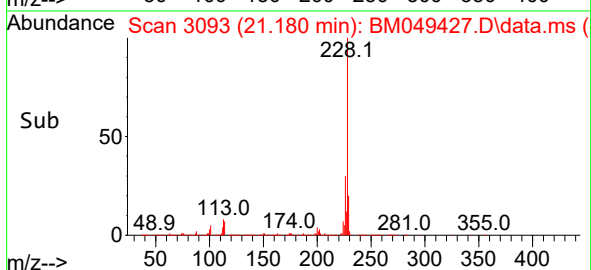
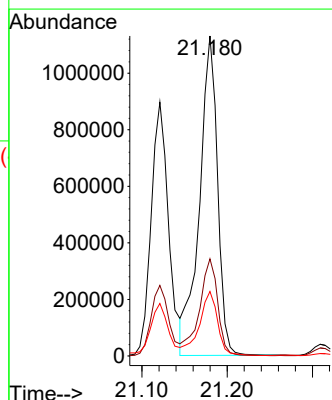
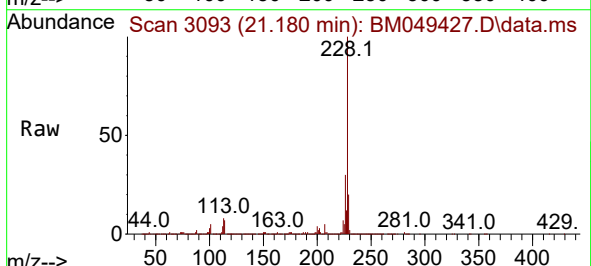
Tgt Ion:228 Resp: 1666909

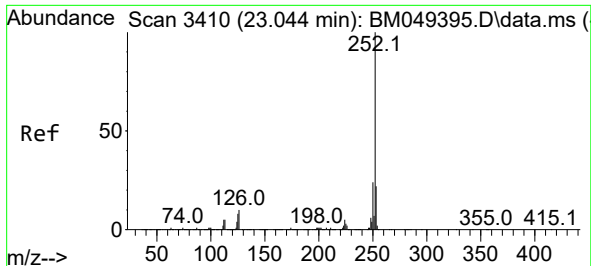
Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 20.2 16.0 24.0

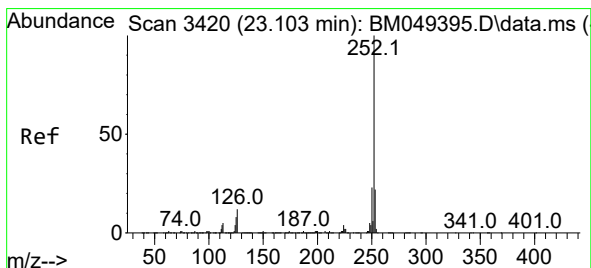
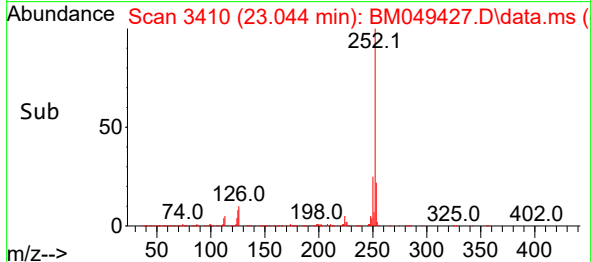
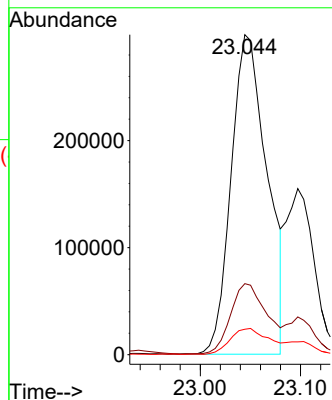
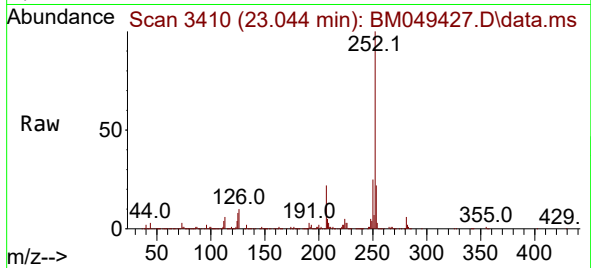




#90
Benzo(b)fluoranthene
Concen: 11.225 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

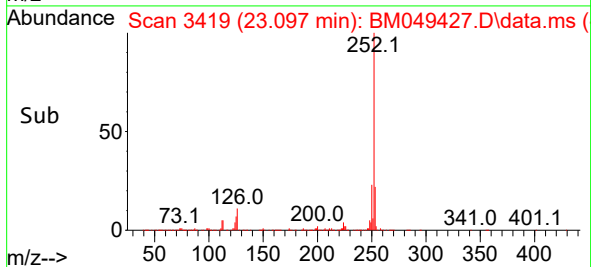
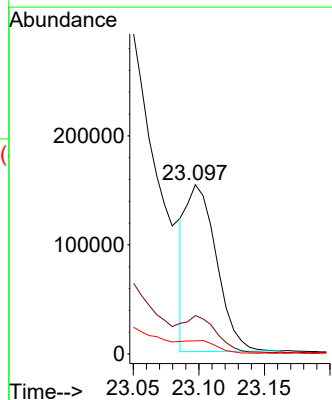
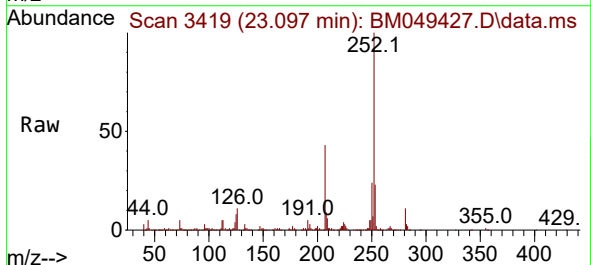
Instrument :
BNA_M
ClientSampleId :
DCZH9DL2

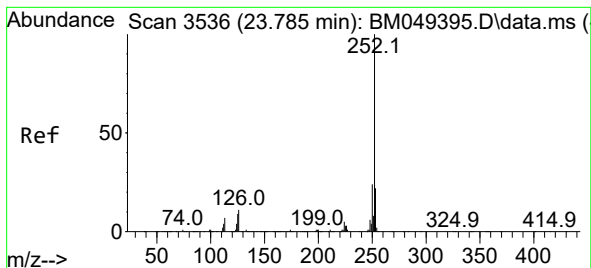
Tgt Ion:252 Resp: 744974
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 7.9 6.6 9.8



#91
Benzo(k)fluoranthene
Concen: 3.719 ng/ul
RT: 23.097 min Scan# 3419
Delta R.T. -0.018 min
Lab File: BM049427.D
Acq: 23 Jan 2025 20:43

Tgt Ion:252 Resp: 246129
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 7.8 6.5 9.7





#93

Benzo(a)pyrene

Concen: 2.158 ng/ul

RT: 23.780 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM049427.D

Acq: 23 Jan 2025 20:43

Instrument :

BNA_M

ClientSampleId :

DCZH9DL2

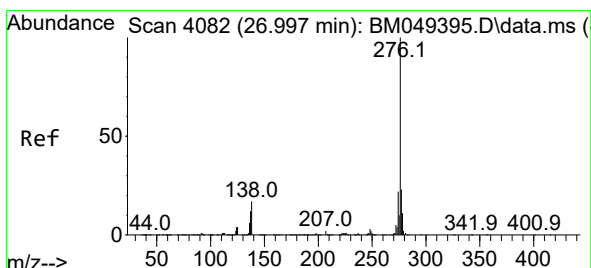
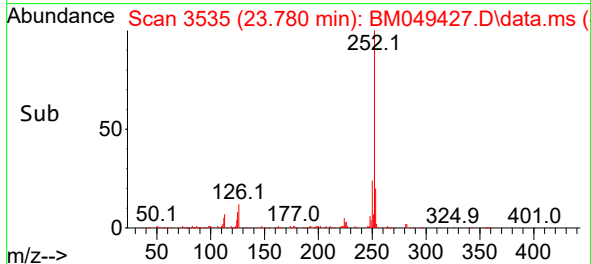
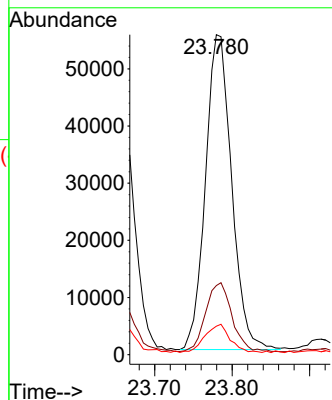
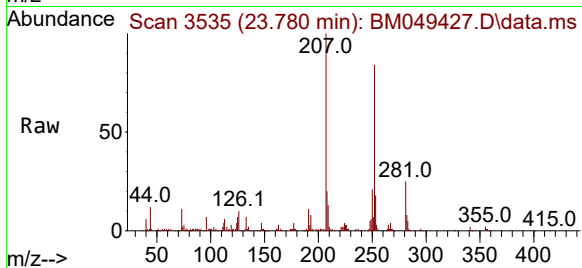
Tgt Ion:252 Resp: 129363

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 8.9 6.9 10.3



#94

Indeno(1,2,3-cd)pyrene

Concen: 1.030 ng/ul

RT: 26.985 min Scan# 4080

Delta R.T. -0.035 min

Lab File: BM049427.D

Acq: 23 Jan 2025 20:43

Tgt Ion:276 Resp: 70799

Ion Ratio Lower Upper

276 100

138 16.4 13.4 20.0

277 22.7 19.1 28.7

