

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049422.D
 Acq On : 23 Jan 2025 16:49
 Operator : RC/JU
 Sample : Q1139-19DL 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

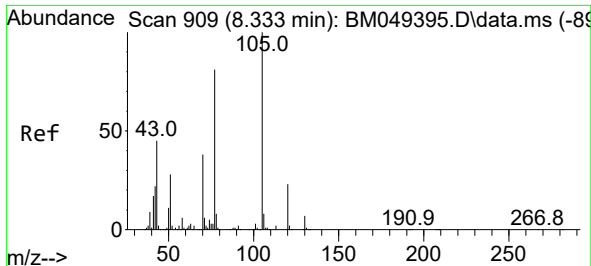
Instrument :
 BNA_M
 ClientSampleId :
 DCZJ6DL

Quant Time: Jan 23 22:11:21 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	193999	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	680317	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.157	164	415845	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	819060	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	886533	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	931524	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.128	96	3503	0.747	ng/uL	0.00
4) Pyridine-d5	3.493	84	303	0.020	ng/u1	-0.02
7) Phenol-d5	6.710	99	43389	2.664	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	35443	3.268	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	38154	3.063	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	31995	2.534	ng/u1	0.00
21) Nitrobenzene-d5	8.734	128	182	0.035	ng/u1	0.06
24) 2-Nitrophenol-d4	9.375	143	12989	2.240	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.922	165	32326	2.732	ng/u1	0.00
31) 4-Chloroaniline-d4	10.433	131	9539	0.613	ng/u1	0.00
46) Dimethylphthalate-d6	13.580	166	103224	3.335	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	112681	3.189	ng/u1	0.00
54) 4-Nitrophenol-d4	14.416	143	1990	0.388	ng/u1	0.02
60) Fluorene-d10	15.157	176	84599	3.164	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	4262	0.816	ng/u1	0.00
73) Anthracene-d10	17.004	188	125259	3.094	ng/u1	-0.01
81) Pyrene-d10	19.309	212	119074	2.207	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.721	264	68266	1.365	ng/u1	-0.02
Target Compounds						Qvalue
16) Acetophenone	8.339	105	51773	2.510	ng/u1	96
30) Naphthalene	10.328	128	46840	1.297	ng/u1	98
50) Acenaphthylene	13.874	152	118630	3.275	ng/u1	99
72) Phenanthrene	16.951	178	211471	4.644	ng/u1	100
74) Anthracene	17.039	178	508024	11.115	ng/u1	99
77) Carbazole	17.315	167	177774	4.384	ng/u1	99
80) Fluoranthene	18.974	202	1881362	30.346	ng/u1	99
82) Pyrene	19.339	202	1321637	20.027	ng/u1	99
85) Benzo(a)anthracene	21.121	228	1018563	16.487	ng/u1	97
87) Chrysene	21.180	228	1898942	33.668	ng/u1	99
90) Benzo(b)fluoranthene	23.050	252	2428009	38.942	ng/u1	99
91) Benzo(k)fluoranthene	23.103	252	766413	12.328	ng/u1	98
93) Benzo(a)pyrene	23.786	252	287745	5.109	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	26.991	276	294519	4.559	ng/u1	98
95) Dibenzo(a,h)anthracene	27.038	278	133807	2.543	ng/u1	96

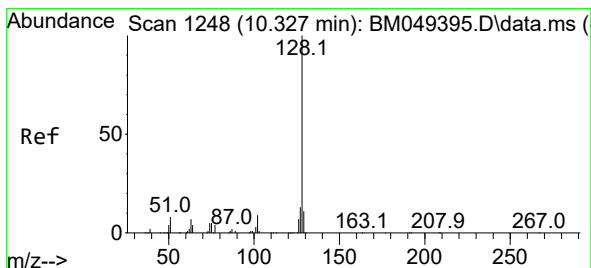
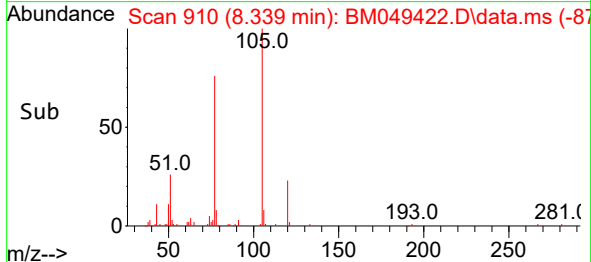
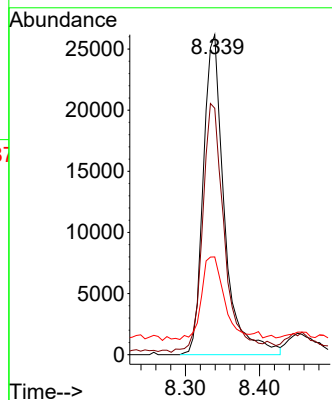
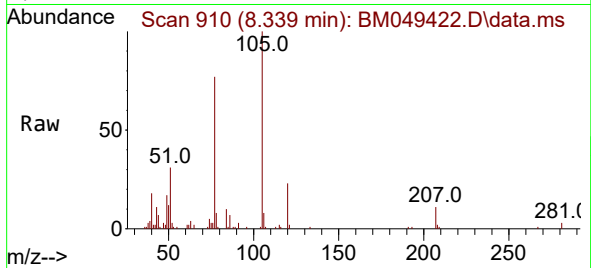
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#16
Acetophenone
Concen: 2.510 ng/ul
RT: 8.339 min Scan# 910
Delta R.T. 0.000 min
Lab File: BM049422.D
Acq: 23 Jan 2025 16:49

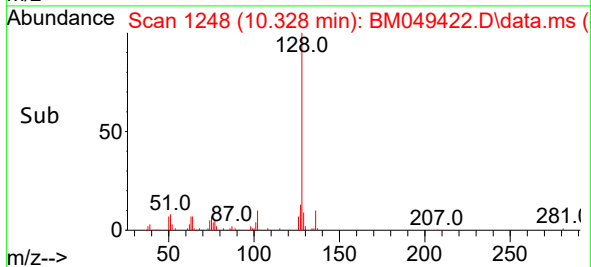
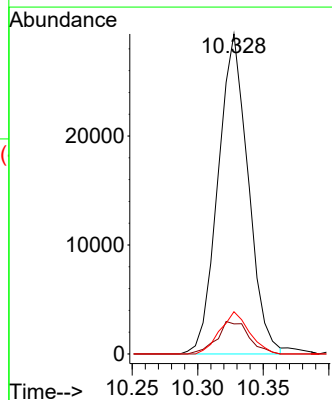
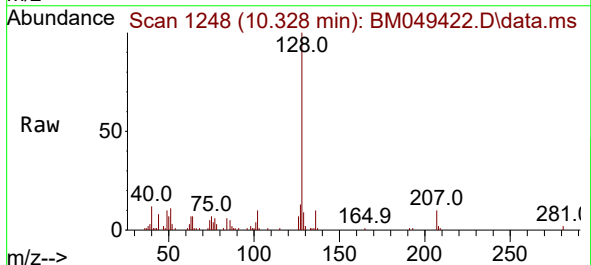
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BNA_M
ClientSampleId :
DCZJ6DL

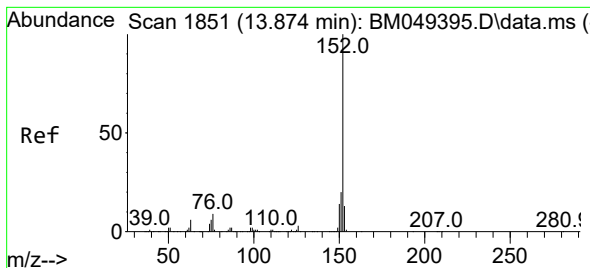
Tgt Ion:105 Resp: 51773
Ion Ratio Lower Upper
105 100
77 77.0 63.2 94.8
51 30.6 20.9 31.3



#30
Naphthalene
Concen: 1.297 ng/ul
RT: 10.328 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BM049422.D
Acq: 23 Jan 2025 16:49

Tgt Ion:128 Resp: 46840
Ion Ratio Lower Upper
128 100
129 9.4 8.5 12.7
127 13.2 10.2 15.2





#50

Acenaphthylene

Concen: 3.275 ng/ul

RT: 13.874 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BM049422.D

Acq: 23 Jan 2025 16:49

Instrument :

BNA_M

ClientSampleId :

DCZJ6DL

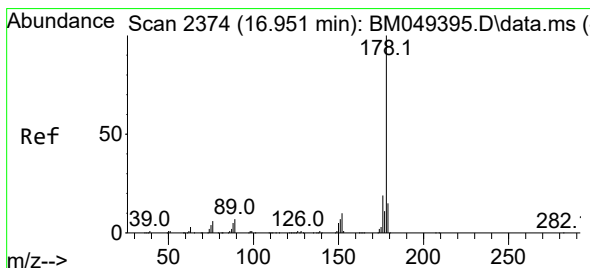
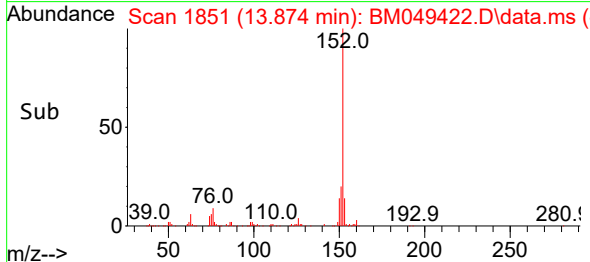
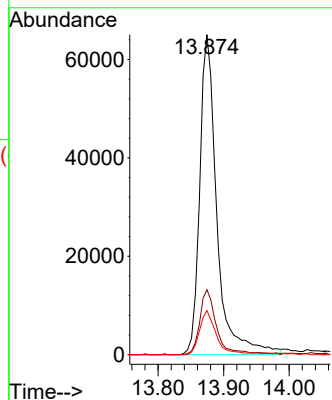
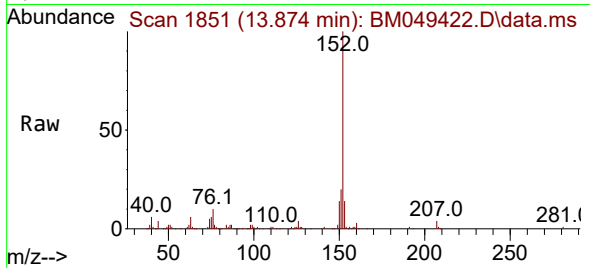
Tgt Ion:152 Resp: 118630

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.8

153 13.8 10.6 15.8



#72

Phenanthrene

Concen: 4.644 ng/ul

RT: 16.951 min Scan# 2374

Delta R.T. -0.006 min

Lab File: BM049422.D

Acq: 23 Jan 2025 16:49

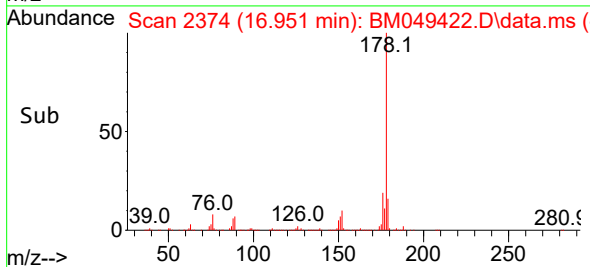
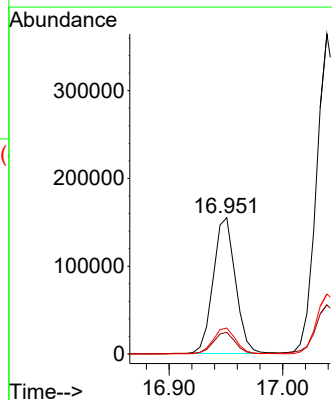
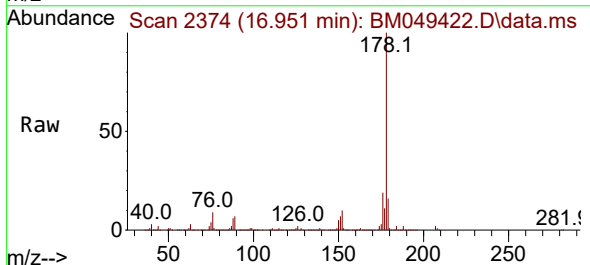
Tgt Ion:178 Resp: 211471

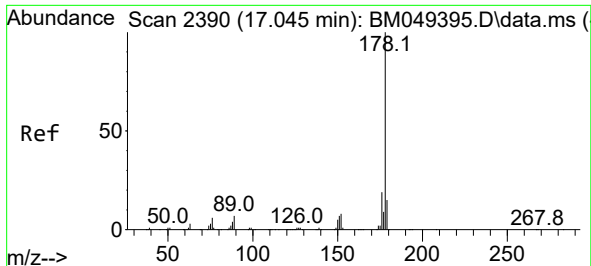
Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

176 19.0 15.4 23.2

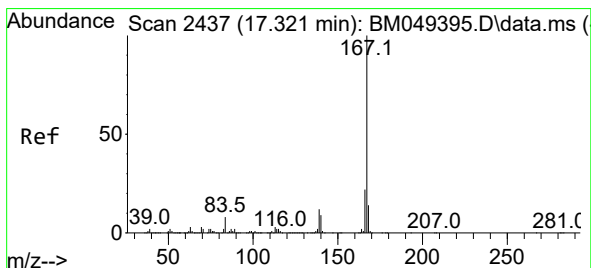
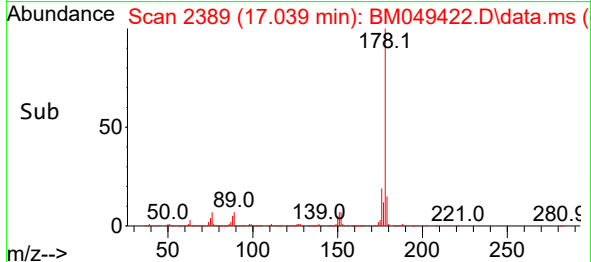
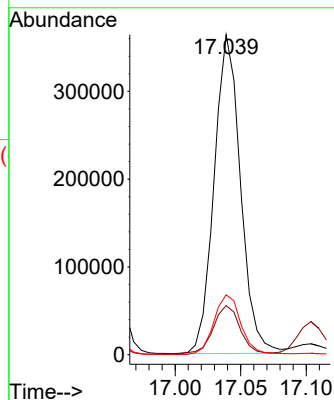
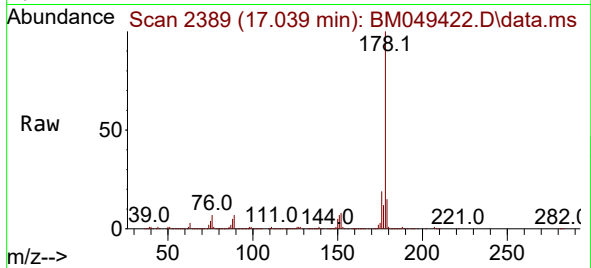




#74
 Anthracene
 Concen: 11.115 ng/ul
 RT: 17.039 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM049422.D
 Acq: 23 Jan 2025 16:49

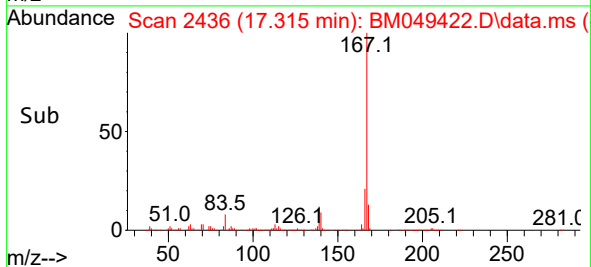
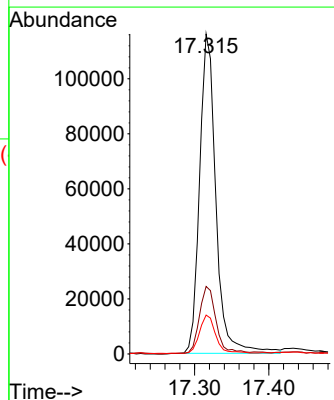
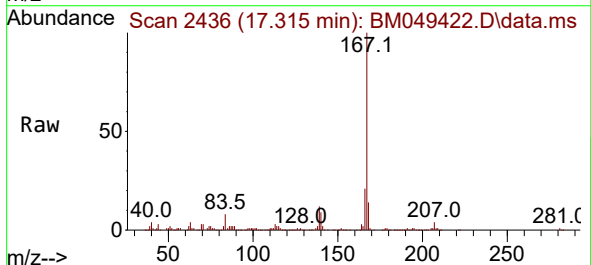
Instrument :
 BNA_M
 ClientSampleId :
 DCZJ6DL

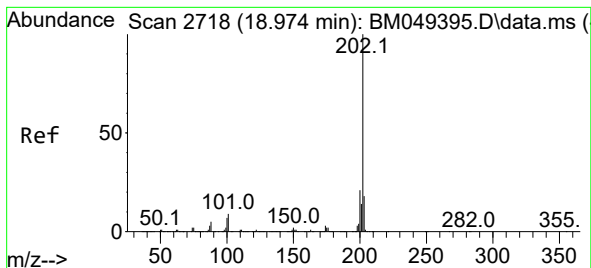
Tgt Ion:178 Resp: 508024
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.5 18.7
 176 18.7 15.1 22.7



#77
 Carbazole
 Concen: 4.384 ng/ul
 RT: 17.315 min Scan# 2436
 Delta R.T. -0.012 min
 Lab File: BM049422.D
 Acq: 23 Jan 2025 16:49

Tgt Ion:167 Resp: 177774
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.7 25.1
 139 12.2 9.5 14.3





#80

Fluoranthene

Concen: 30.346 ng/ul

RT: 18.974 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049422.D

Acq: 23 Jan 2025 16:49

Instrument :

BNA_M

ClientSampleId :

DCZJ6DL

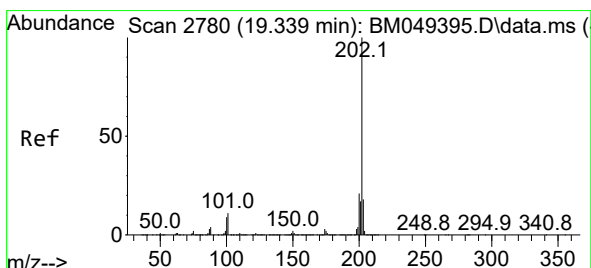
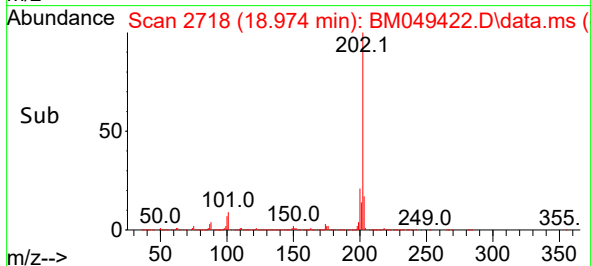
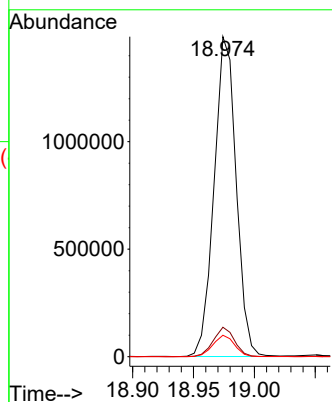
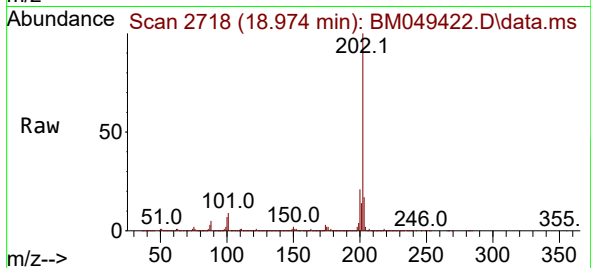
Tgt Ion:202 Resp: 1881362

Ion Ratio Lower Upper

202 100

101 9.2 7.0 10.4

100 6.7 5.0 7.6



#82

Pyrene

Concen: 20.027 ng/ul

RT: 19.339 min Scan# 2780

Delta R.T. -0.012 min

Lab File: BM049422.D

Acq: 23 Jan 2025 16:49

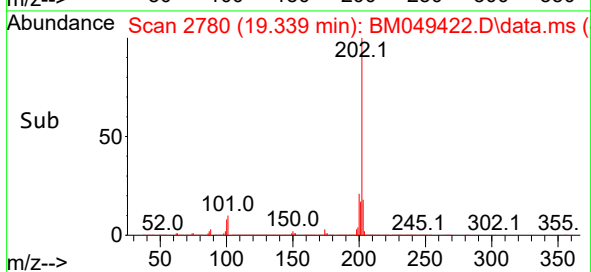
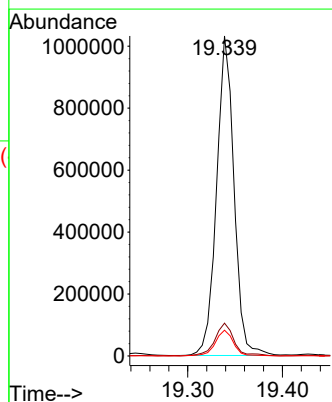
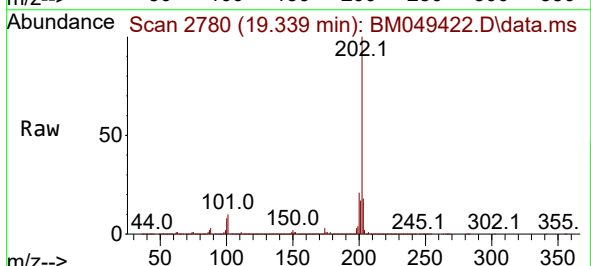
Tgt Ion:202 Resp: 1321637

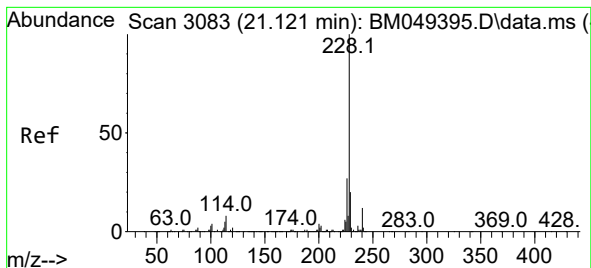
Ion Ratio Lower Upper

202 100

101 10.3 7.8 11.8

100 8.1 6.6 10.0





#85

Benzo(a)anthracene

Concen: 16.487 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049422.D

Acq: 23 Jan 2025 16:49

Instrument :

BNA_M

ClientSampleId :

DCZJ6DL

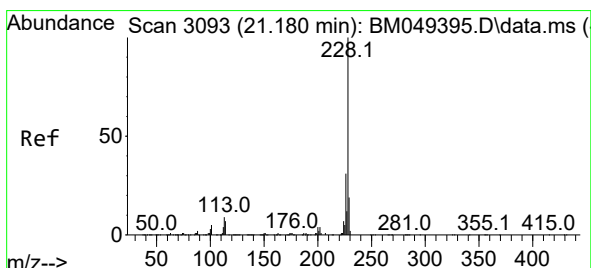
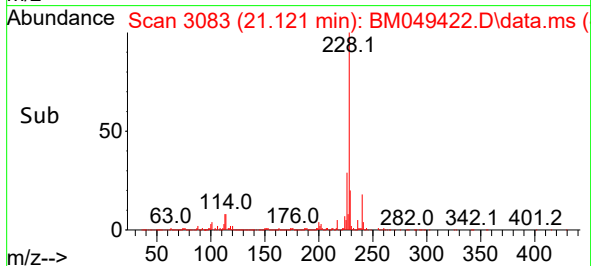
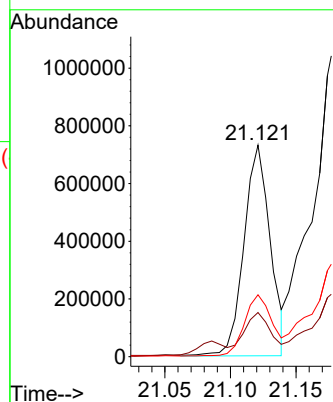
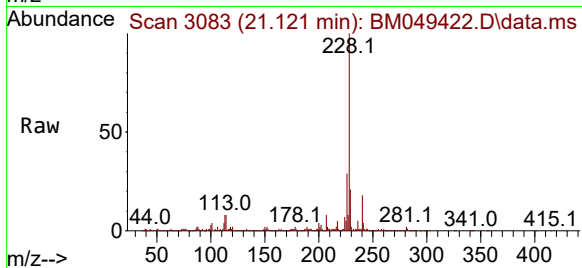
Tgt Ion:228 Resp: 1018563

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.6

226 29.2 22.1 33.1



#87

Chrysene

Concen: 33.668 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BM049422.D

Acq: 23 Jan 2025 16:49

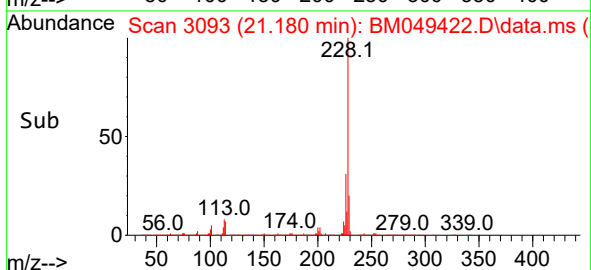
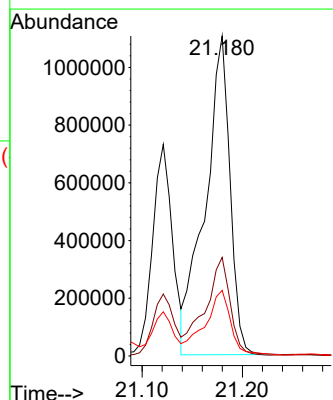
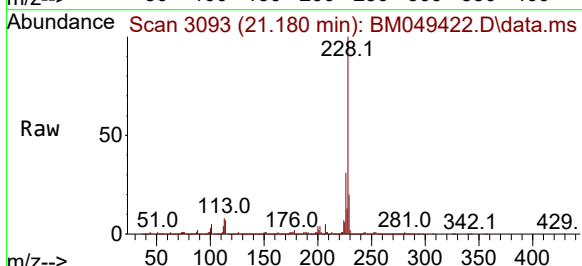
Tgt Ion:228 Resp: 1898942

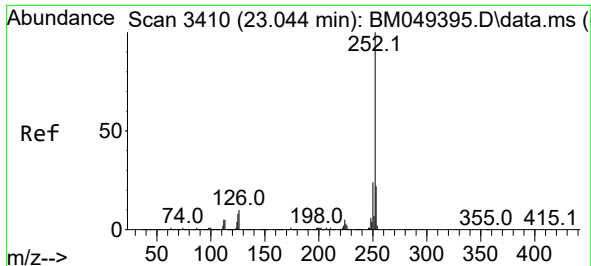
Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

229 20.5 16.0 24.0

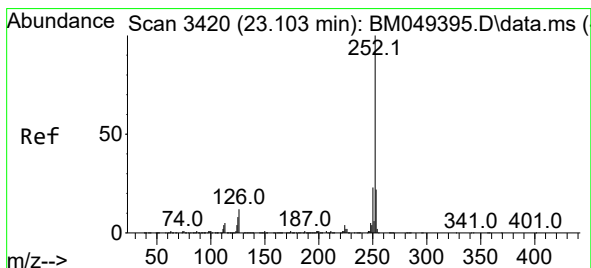
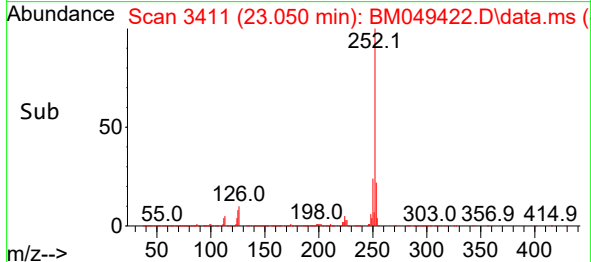
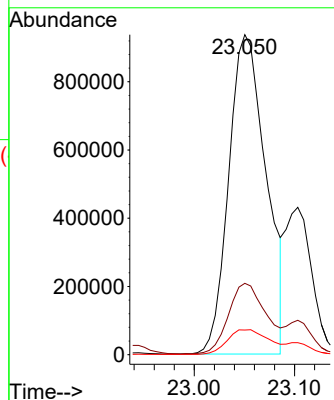
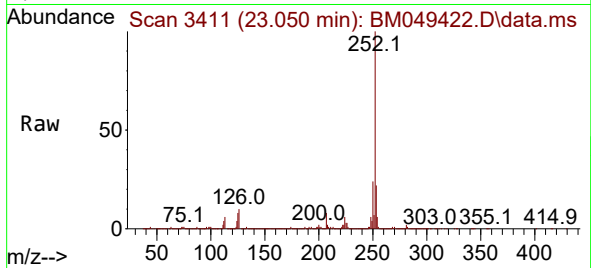




#90
Benzo(b)fluoranthene
Concen: 38.942 ng/ul
RT: 23.050 min Scan# 3410
Delta R.T. -0.006 min
Lab File: BM049422.D
Acq: 23 Jan 2025 16:49

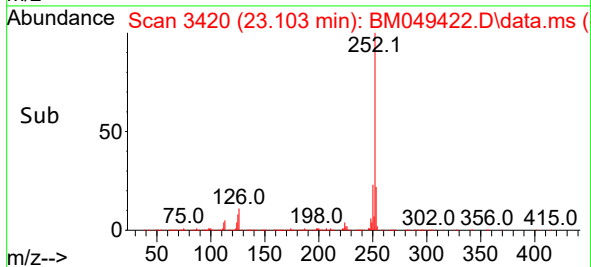
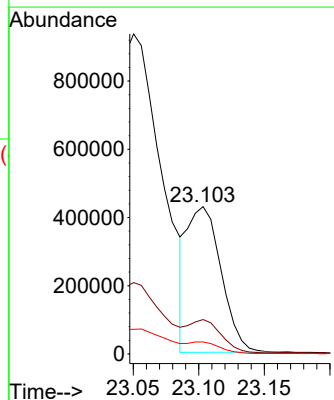
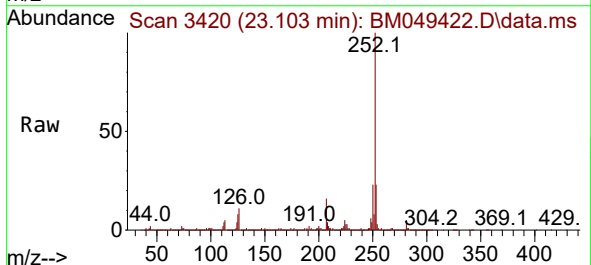
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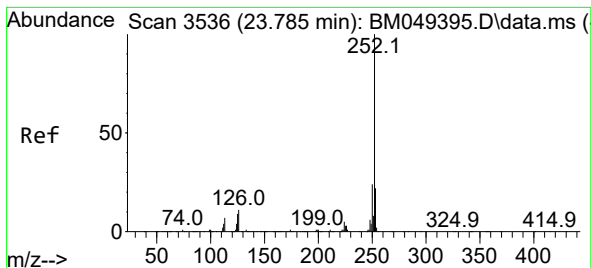
Tgt Ion:252 Resp: 2428009
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 7.7 6.6 9.8



#91
Benzo(k)fluoranthene
Concen: 12.328 ng/ul
RT: 23.103 min Scan# 3420
Delta R.T. -0.012 min
Lab File: BM049422.D
Acq: 23 Jan 2025 16:49

Tgt Ion:252 Resp: 766413
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 8.2 6.5 9.7





#93

Benzo(a)pyrene

Concen: 5.109 ng/ul

RT: 23.786 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM049422.D

Acq: 23 Jan 2025 16:49

Instrument :

BNA_M

ClientSampleId :

DCZJ6DL

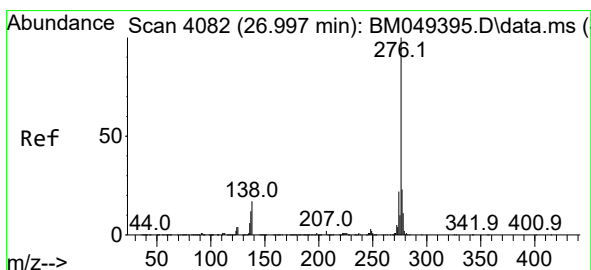
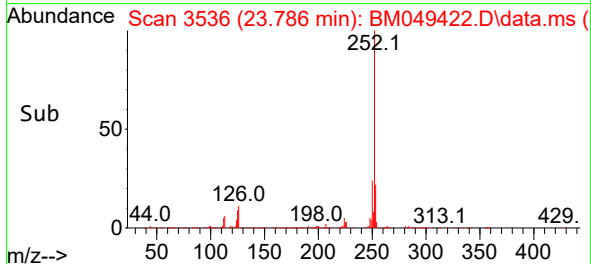
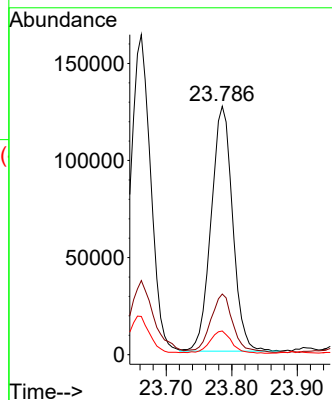
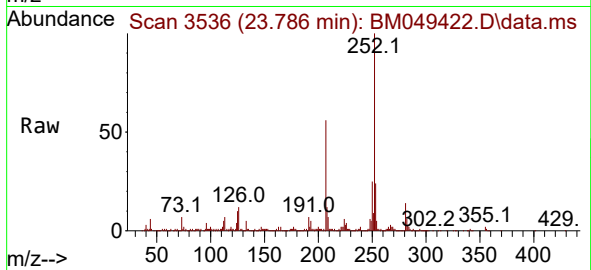
Tgt Ion:252 Resp: 287745

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.2

125 9.5 6.9 10.3



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.559 ng/ul

RT: 26.991 min Scan# 4081

Delta R.T. -0.029 min

Lab File: BM049422.D

Acq: 23 Jan 2025 16:49

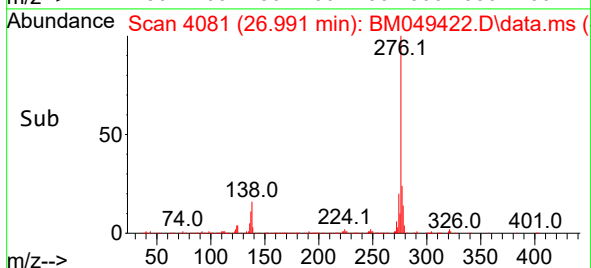
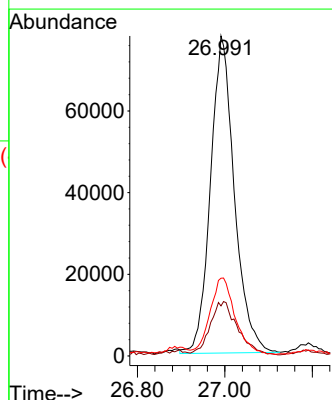
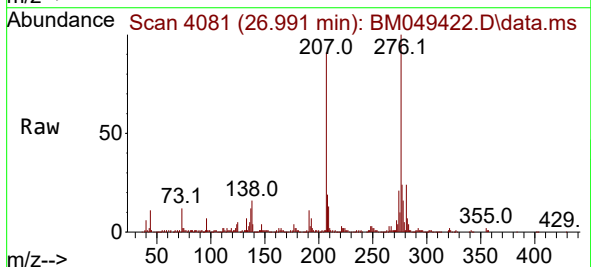
Tgt Ion:276 Resp: 294519

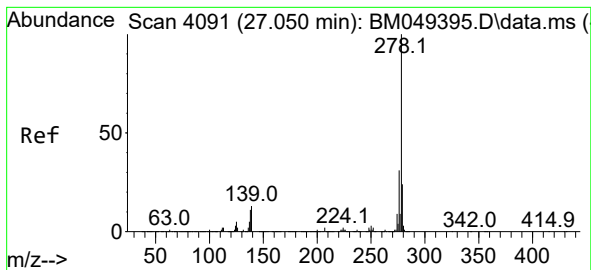
Ion Ratio Lower Upper

276 100

138 15.6 13.4 20.0

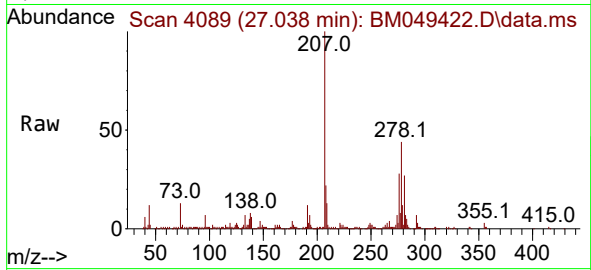
277 24.3 19.1 28.7





#95
 Dibenzo(a,h)anthracene
 Concen: 2.543 ng/ul
 RT: 27.038 min Scan# 4091
 Delta R.T. -0.035 min
 Lab File: BM049422.D
 Acq: 23 Jan 2025 16:49

Instrument :
 BNA_M
 ClientSampleId :
 DCZJ6DL



Tgt Ion:278 Resp: 133807

Ion	Ratio	Lower	Upper
278	100		
139	13.4	9.9	14.9
279	26.4	19.4	29.0

