

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049415.D
 Acq On : 23 Jan 2025 12:17
 Operator : RC/JU
 Sample : Q1139-06DL 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH3DL

Quant Time: Jan 23 22:09:18 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	255375	20.000	ng/u1	0.00
20) Naphthalene-d8	10.281	136	938821	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.157	164	612584	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1149588	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1009525	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	988175	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	2310	0.374	ng/uL	0.00
4) Pyridine-d5	3.516	84	600	0.031	ng/u1	0.00
7) Phenol-d5	6.716	99	34257	1.598	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	24602	1.723	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	28293	1.725	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	24574	1.478	ng/u1	0.00
21) Nitrobenzene-d5	8.663	128	13126	1.833	ng/u1	0.00
24) 2-Nitrophenol-d4	9.381	143	10822	1.352	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	28702	1.758	ng/u1	0.00
31) 4-Chloroaniline-d4	10.434	131	7790	0.363	ng/u1	0.00
46) Dimethylphthalate-d6	13.580	166	97728	2.143	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	104372	2.005	ng/u1	0.00
54) 4-Nitrophenol-d4	14.369	143	581	0.077	ng/u1	-0.02
60) Fluorene-d10	15.157	176	85554	2.172	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.298	200	3098	0.423	ng/u1	0.00
73) Anthracene-d10	17.010	188	125180	2.203	ng/u1	0.00
81) Pyrene-d10	19.315	212	113596	1.849	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.721	264	57262	1.079	ng/u1	-0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.334	105	38835	1.430	ng/u1#	90
30) Naphthalene	10.340	128	13815835	277.295	ng/u1	98
32) 4-Chloroaniline	10.340	127	1826122	89.113	ng/u1#	5
36) 2-Methylnaphthalene	11.951	142	3280651	92.016	ng/u1	99
37) 1-Methylnaphthalene	12.175	142	1471099	41.470	ng/u1	100
43) 1,1'-Biphenyl	12.981	154	1094637	24.406	ng/u1	99
50) Acenaphthylene	13.875	152	176521	3.308	ng/u1#	95
52) Acenaphthene	14.222	153	2893772	75.902	ng/u1	99
56) Dibenzofuran	14.563	168	4579273	84.581	ng/u1	100
61) Fluorene	15.216	166	2441719	55.199	ng/u1	99
72) Phenanthrene	16.957	178	15676047	245.283	ng/u1	94
74) Anthracene	17.045	178	1587812	24.752	ng/u1	99
77) Carbazole	17.316	167	521632	9.165	ng/u1	98
80) Fluoranthene	18.986	202	12577362	178.155	ng/u1	100
82) Pyrene	19.345	202	6341267	84.382	ng/u1	99
85) Benzo(a)anthracene	21.121	228	2018416	28.690	ng/u1	99
87) Chrysene	21.180	228	1630730	25.390	ng/u1	99
90) Benzo(b)fluoranthene	23.050	252	1258804	19.032	ng/u1	100
91) Benzo(k)fluoranthene	23.103	252	419655	6.363	ng/u1	99
93) Benzo(a)pyrene	23.786	252	239554	4.010	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.997	276	154731	2.258	ng/u1	97
95) Dibenzo(a,h)anthracene	27.033	278	72144	1.292	ng/u1	95

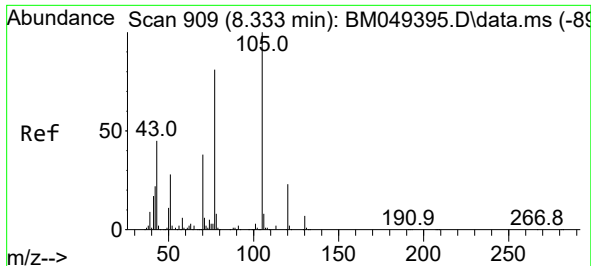
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Data File : BM049415.D
Acq On : 23 Jan 2025 12:17
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

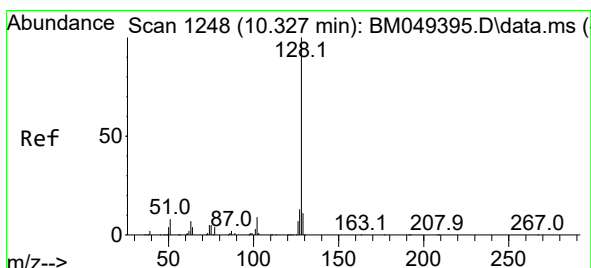
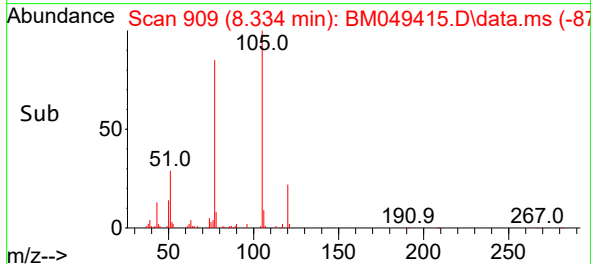
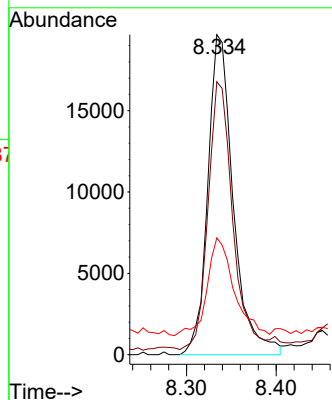
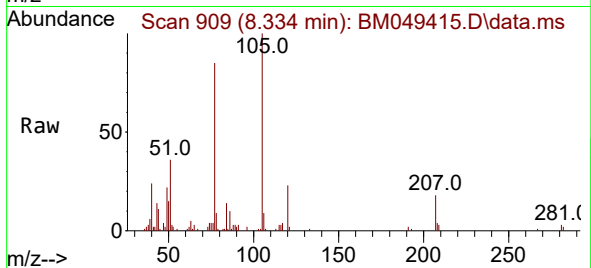
(#)=qualifier out of range (m)=manual integration (+)=signals summed						



#16
Acetophenone
Concen: 1.430 ng/ul
RT: 8.334 min Scan# 909
Delta R.T. -0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

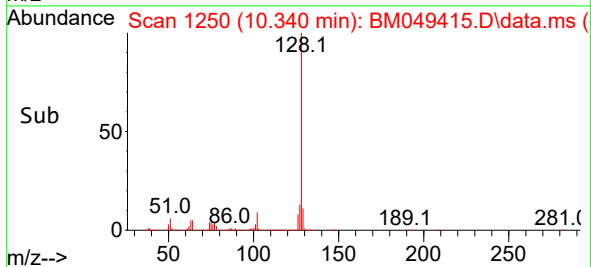
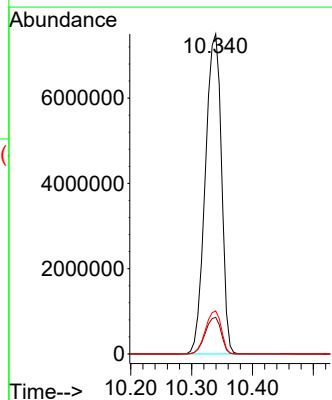
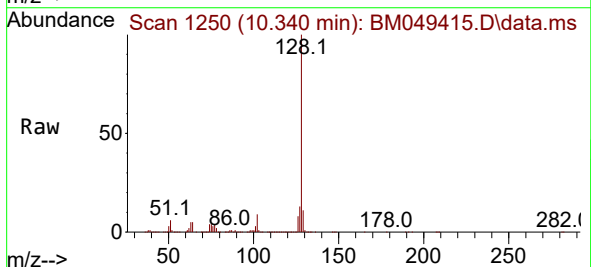
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BNA_M
ClientSampleId :
DCZH3DL

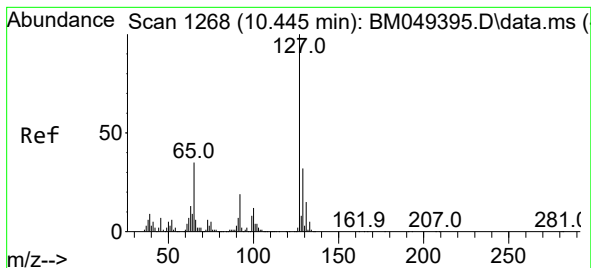
Tgt Ion:105 Resp: 38835
Ion Ratio Lower Upper
105 100
77 85.3 63.2 94.8
51 36.5 20.9 31.3#



#30
Naphthalene
Concen: 277.295 ng/ul
RT: 10.340 min Scan# 1250
Delta R.T. 0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

Tgt Ion:128 Resp:13815835
Ion Ratio Lower Upper
128 100
129 11.5 8.5 12.7
127 13.4 10.2 15.2

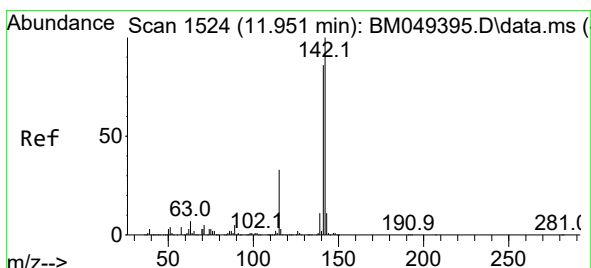
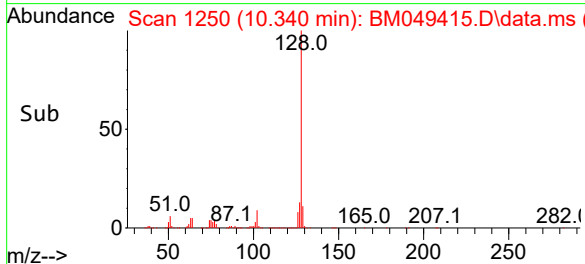
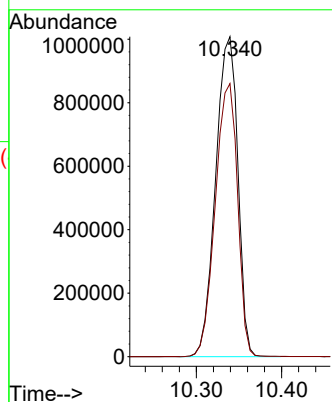
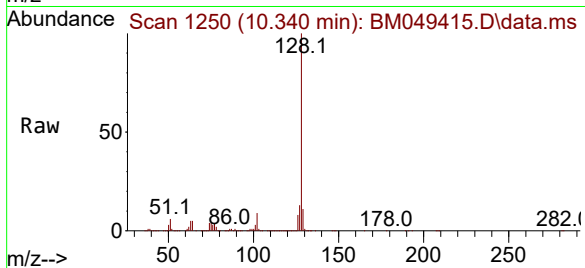




#32
4-Chloroaniline
Concen: 89.113 ng/ul
RT: 10.340 min Scan# 1250
Delta R.T. -0.112 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

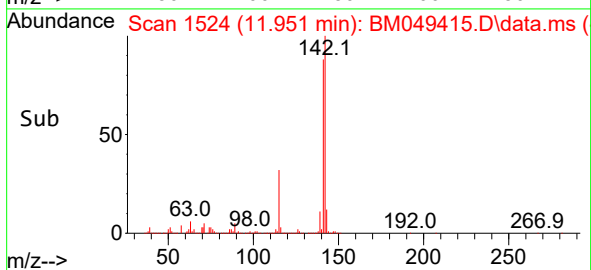
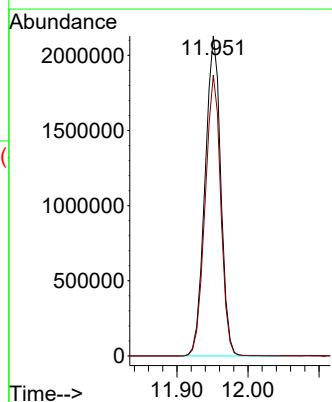
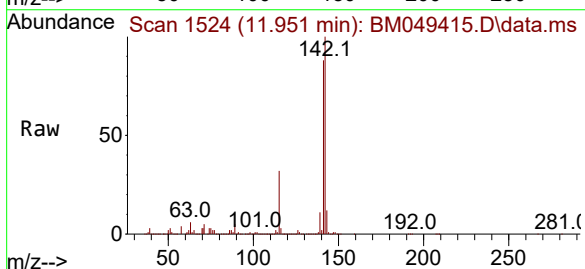
Instrument :
BNA_M
ClientSampleId :
DCZH3DL

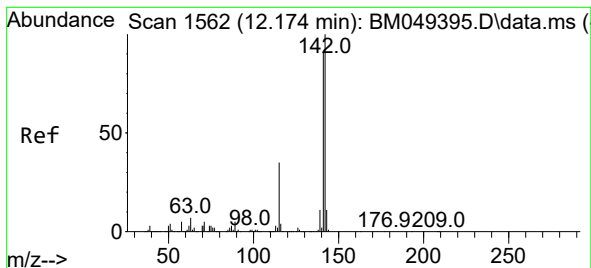
Tgt Ion:127 Resp: 1826122
Ion Ratio Lower Upper
127 100
129 85.3 25.7 38.5#



#36
2-Methylnaphthalene
Concen: 92.016 ng/ul
RT: 11.951 min Scan# 1524
Delta R.T. -0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

Tgt Ion:142 Resp: 3280651
Ion Ratio Lower Upper
142 100
141 87.8 69.6 104.4

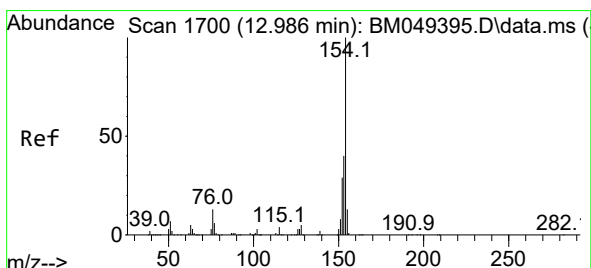
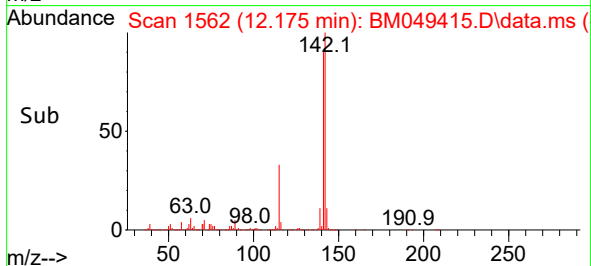
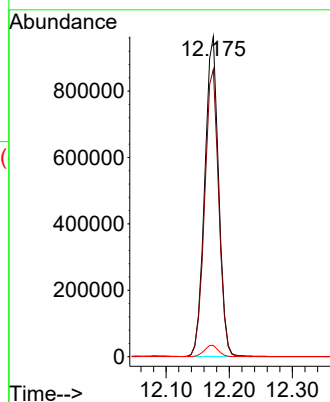
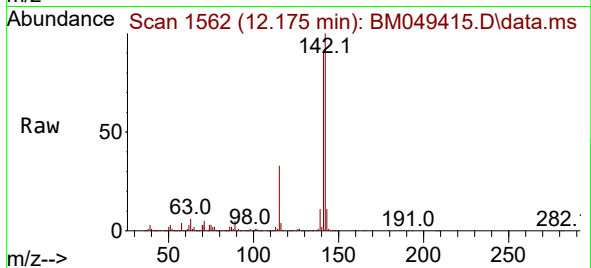




#37
1-Methylnaphthalene
Concen: 41.470 ng/ul
RT: 12.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

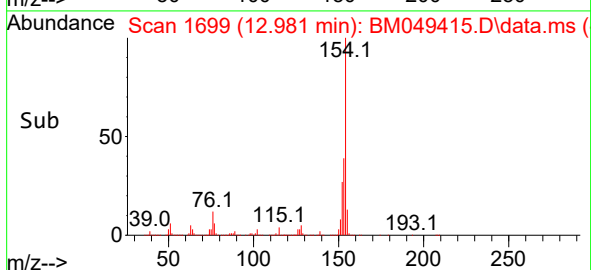
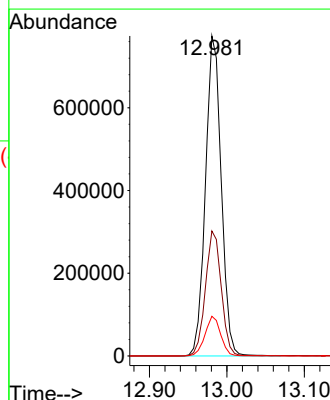
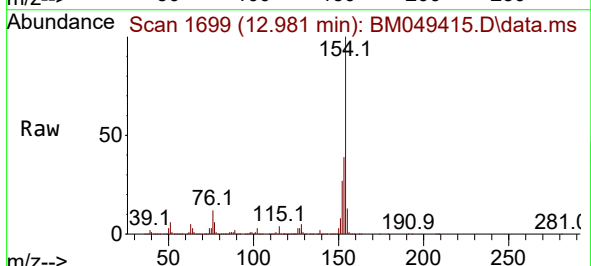
Instrument :
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ClientSampleId :
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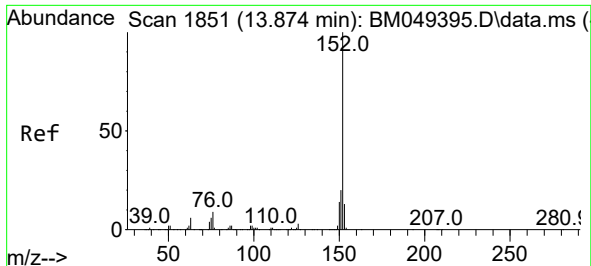
Tgt Ion:142 Resp: 1471099
Ion Ratio Lower Upper
142 100
141 89.8 71.9 107.9
116 3.6 2.8 4.2



#43
1,1'-Biphenyl
Concen: 24.406 ng/ul
RT: 12.981 min Scan# 1699
Delta R.T. -0.012 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

Tgt Ion:154 Resp: 1094637
Ion Ratio Lower Upper
154 100
153 39.0 31.0 46.4
76 12.4 9.1 13.7

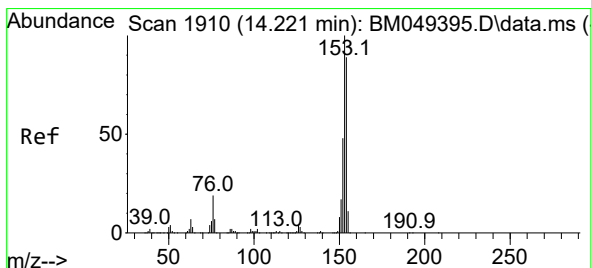
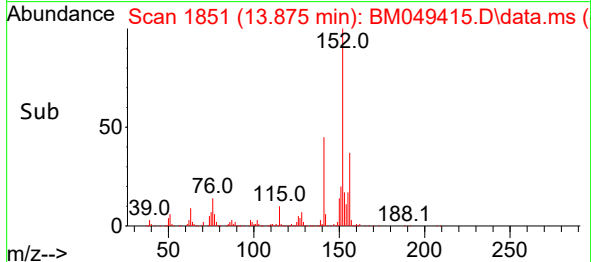
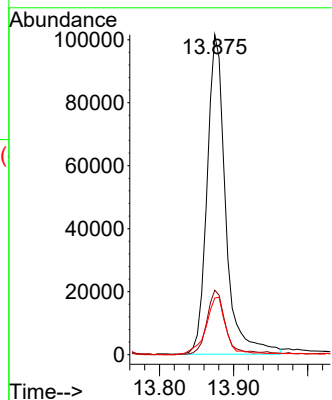
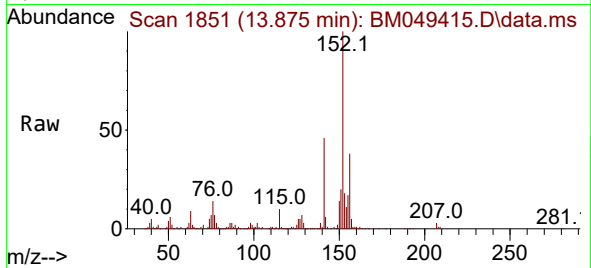




#50
Acenaphthylene
Concen: 3.308 ng/ul
RT: 13.875 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

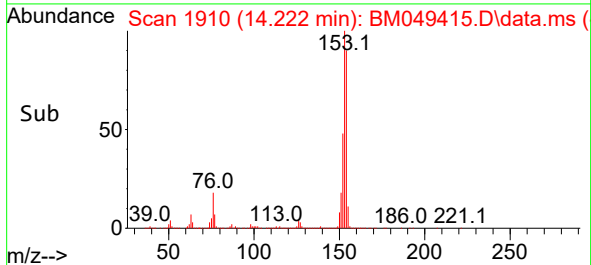
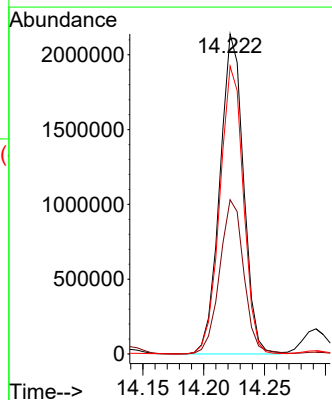
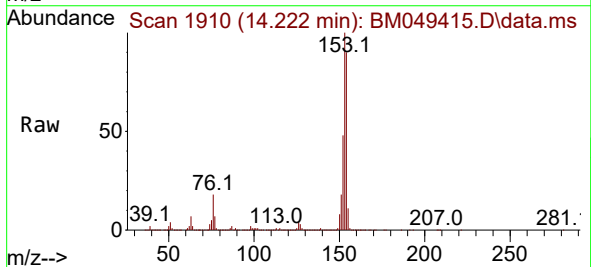
Instrument :
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ClientSampleId :
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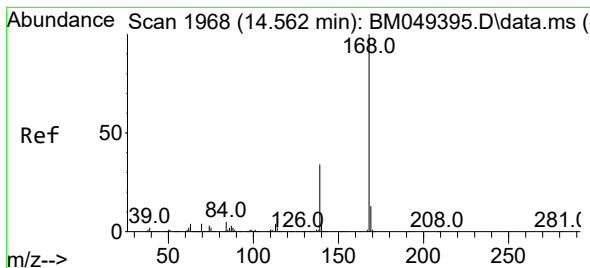
Tgt Ion:152 Resp: 176521
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 17.7 10.6 15.8#



#52
Acenaphthene
Concen: 75.902 ng/ul
RT: 14.222 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

Tgt Ion:153 Resp: 2893772
Ion Ratio Lower Upper
153 100
152 48.2 39.0 58.6
154 89.9 71.6 107.4

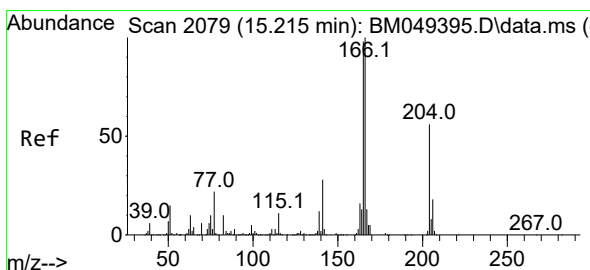
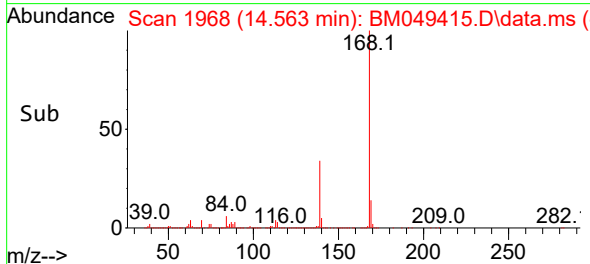
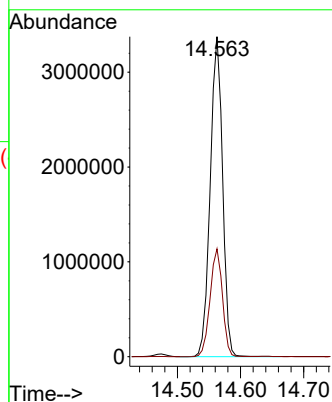
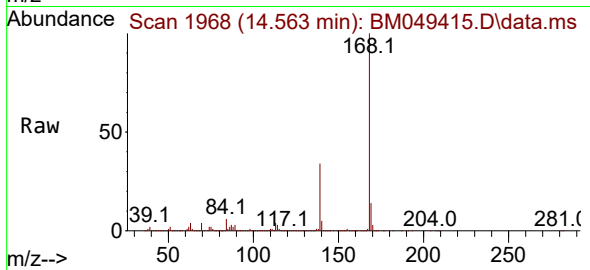




#56
Dibenzenofuran
Concen: 84.581 ng/ul
RT: 14.563 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

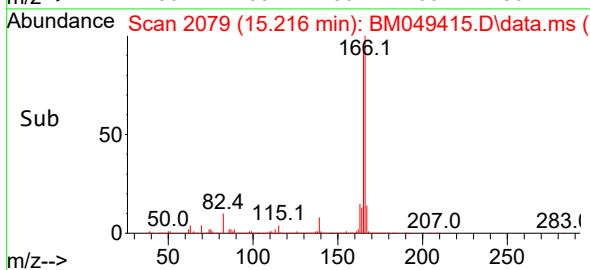
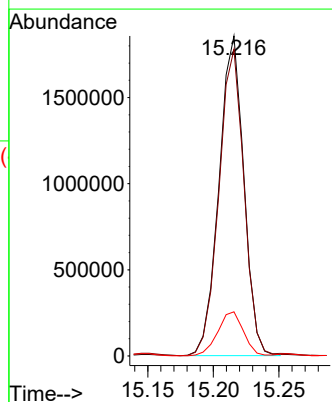
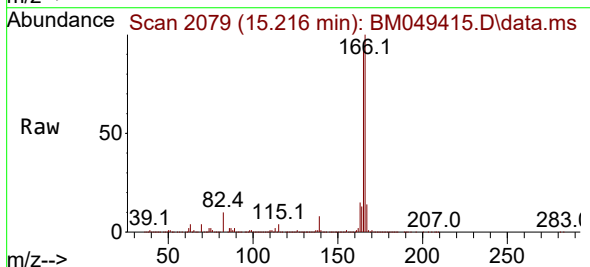
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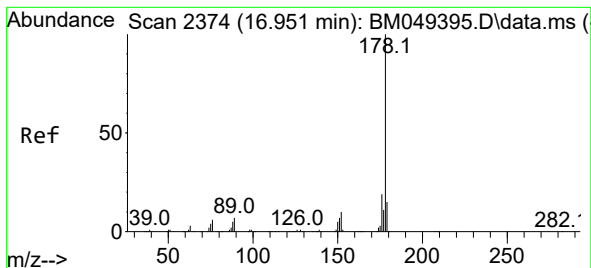
Tgt Ion:168 Resp: 4579273
Ion Ratio Lower Upper
168 100
139 33.7 27.0 40.4



#61
Fluorene
Concen: 55.199 ng/ul
RT: 15.216 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

Tgt Ion:166 Resp: 2441719
Ion Ratio Lower Upper
166 100
165 95.8 77.7 116.5
167 13.8 10.7 16.1





#72

Phenanthrene

Concen: 245.283 ng/ul

RT: 16.957 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

Instrument :

BNA_M

ClientSampleId :

DCZH3DL

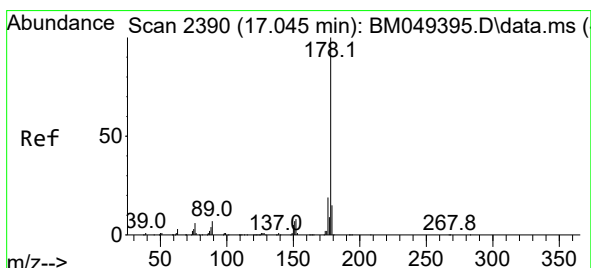
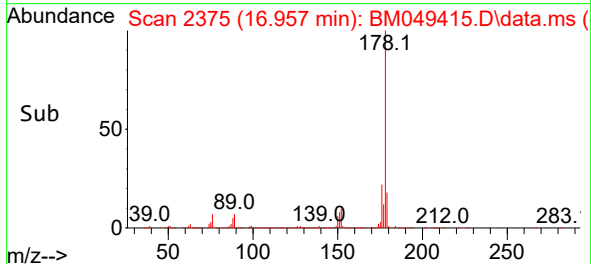
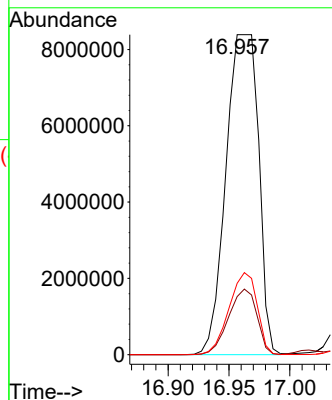
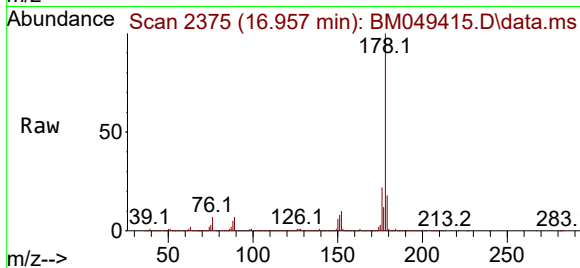
Tgt Ion:178 Resp:15676047

Ion Ratio Lower Upper

178 100

179 18.2 12.6 19.0

176 22.3 15.4 23.2



#74

Anthracene

Concen: 24.752 ng/ul

RT: 17.045 min Scan# 2390

Delta R.T. -0.006 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

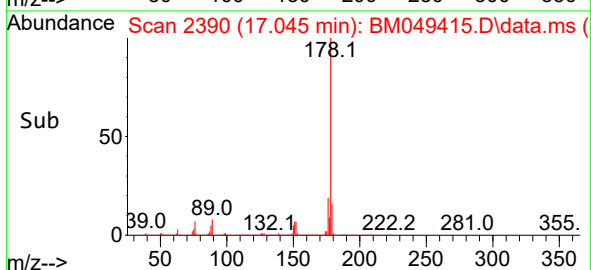
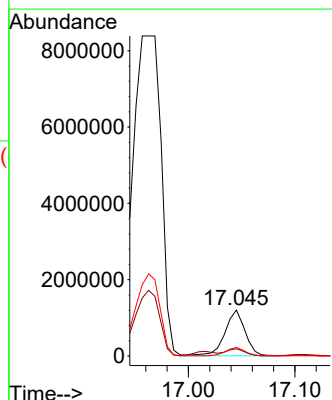
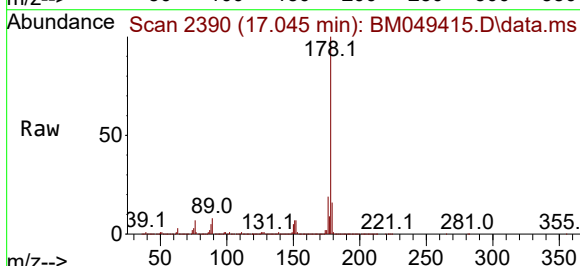
Tgt Ion:178 Resp: 1587812

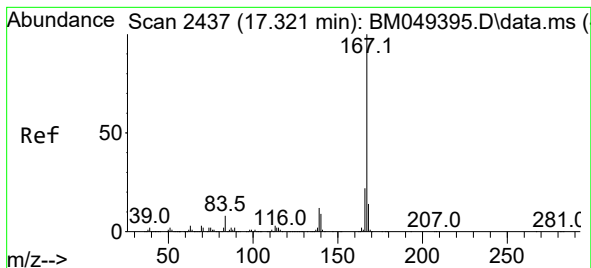
Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

176 18.6 15.1 22.7





#77

Carbazole

Concen: 9.165 ng/ul

RT: 17.316 min Scan# 2437

Delta R.T. -0.012 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

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BNA_M

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DCZH3DL

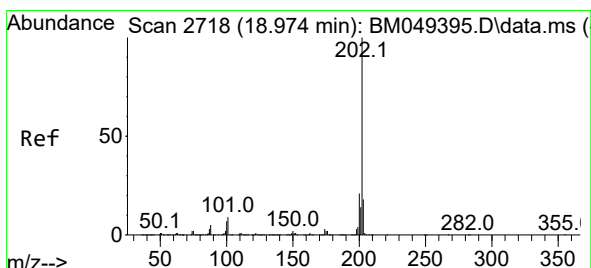
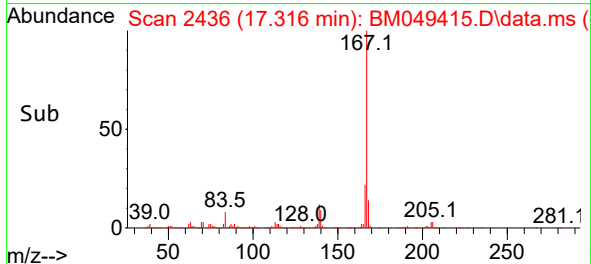
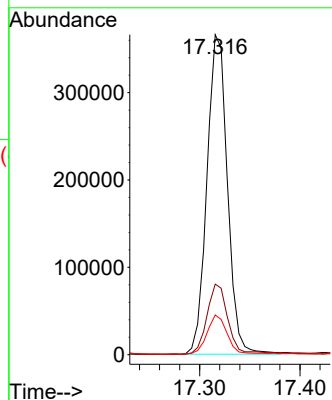
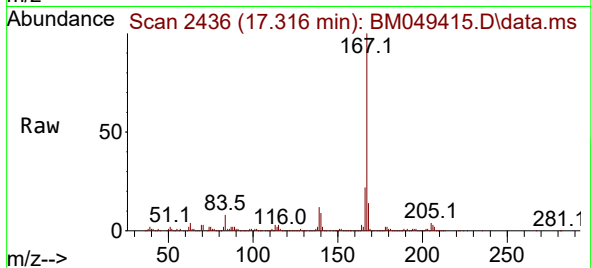
Tgt Ion:167 Resp: 521632

Ion Ratio Lower Upper

167 100

166 22.0 16.7 25.1

139 12.4 9.5 14.3



#80

Fluoranthene

Concen: 178.155 ng/ul

RT: 18.986 min Scan# 2720

Delta R.T. 0.000 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

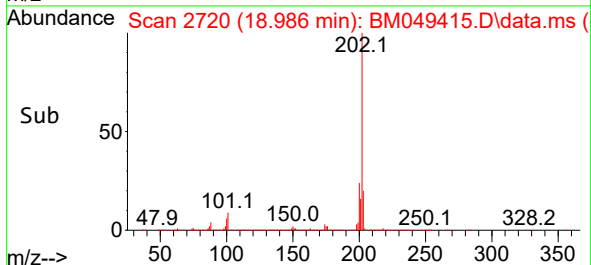
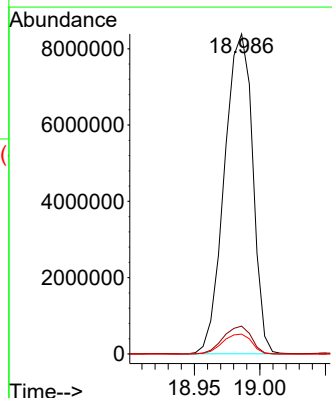
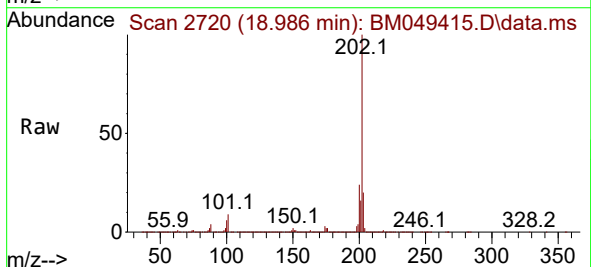
Tgt Ion:202 Resp:12577362

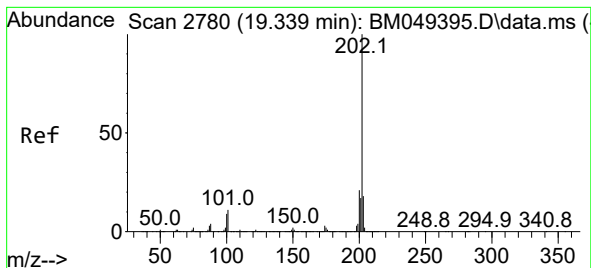
Ion Ratio Lower Upper

202 100

101 8.7 7.0 10.4

100 6.2 5.0 7.6





#82

Pyrene

Concen: 84.382 ng/ul

RT: 19.345 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

Instrument :

BNA_M

ClientSampleId :

DCZH3DL

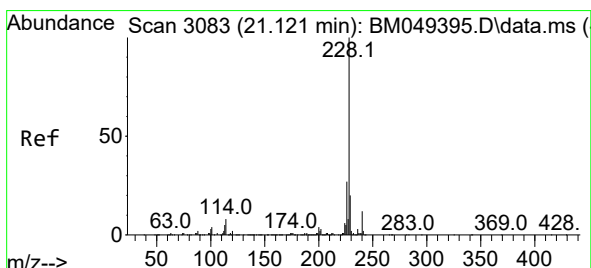
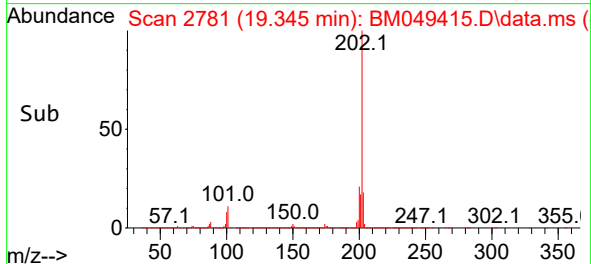
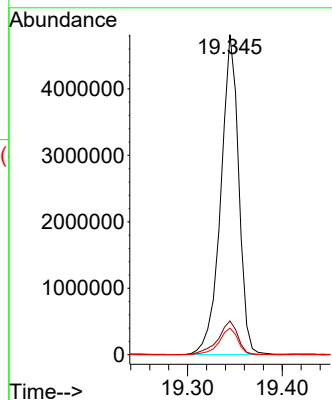
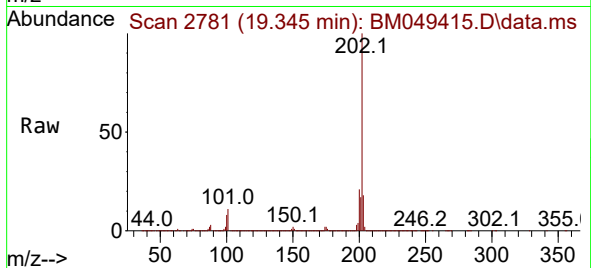
Tgt Ion:202 Resp: 6341267

Ion Ratio Lower Upper

202 100

101 10.5 7.8 11.8

100 8.3 6.6 10.0



#85

Benzo(a)anthracene

Concen: 28.690 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

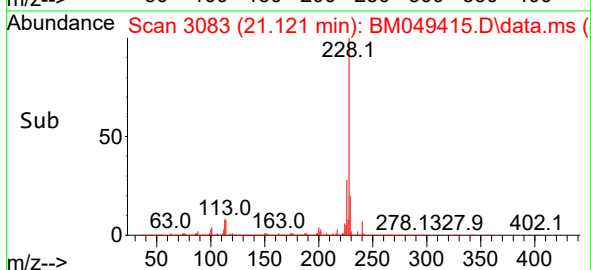
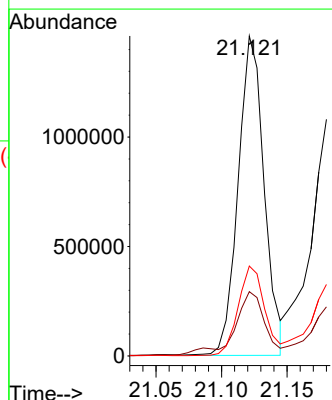
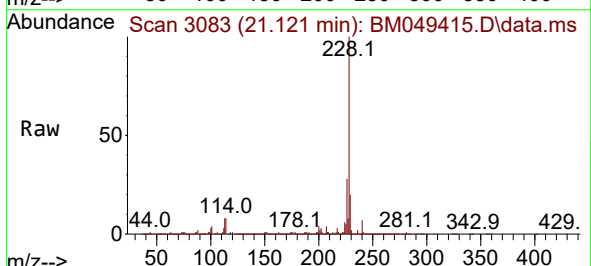
Tgt Ion:228 Resp: 2018416

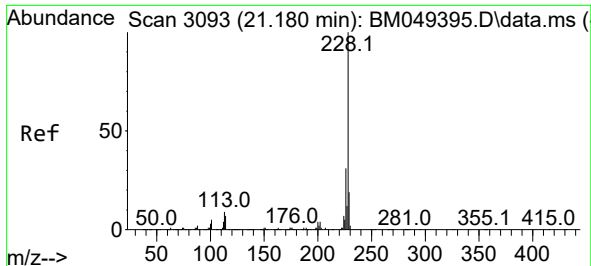
Ion Ratio Lower Upper

228 100

229 20.1 15.8 23.6

226 28.1 22.1 33.1

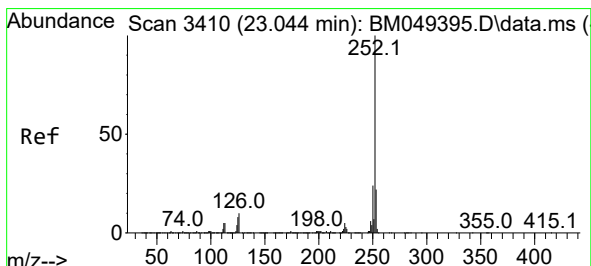
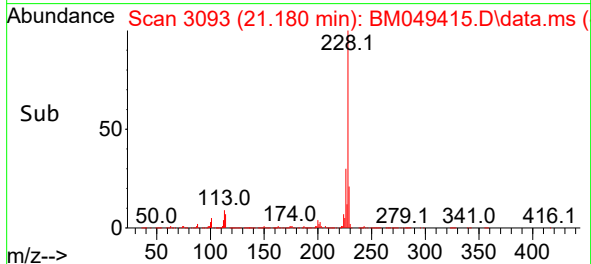
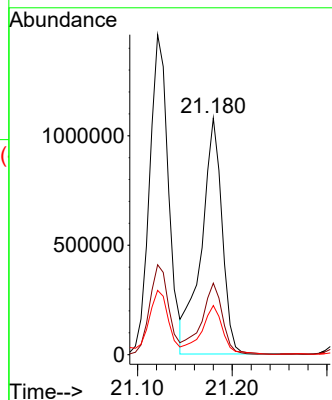
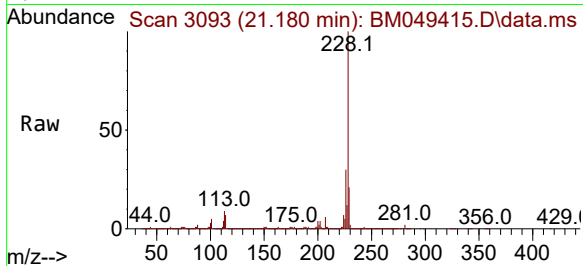




#87
Chrysene
Concen: 25.390 ng/ul
RT: 21.180 min Scan# 3093
Delta R.T. -0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

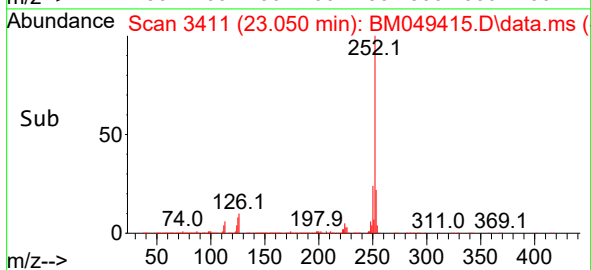
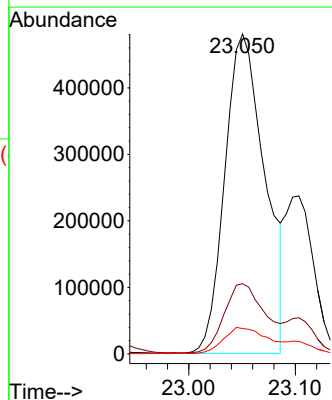
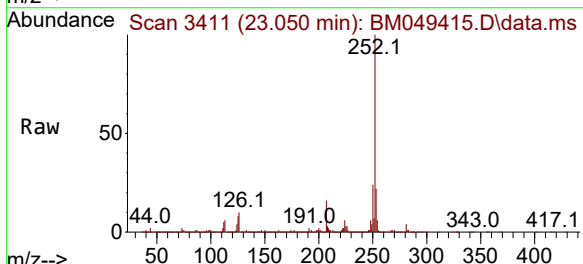
Instrument :
BNA_M
ClientSampleId :
DCZH3DL

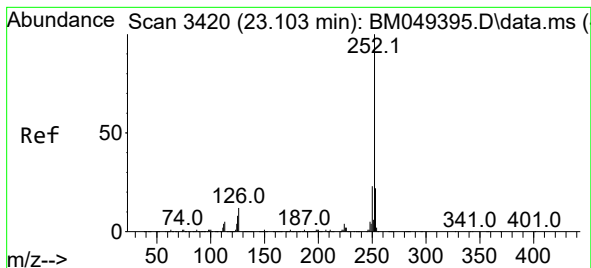
Tgt Ion:228 Resp: 1630730
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 20.8 16.0 24.0



#90
Benzo(b)fluoranthene
Concen: 19.032 ng/ul
RT: 23.050 min Scan# 3411
Delta R.T. -0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

Tgt Ion:252 Resp: 1258804
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 8.0 6.6 9.8





#91

Benzo(k)fluoranthene

Concen: 6.363 ng/ul

RT: 23.103 min Scan# 3420

Delta R.T. -0.012 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

Instrument :

BNA_M

ClientSampleId :

DCZH3DL

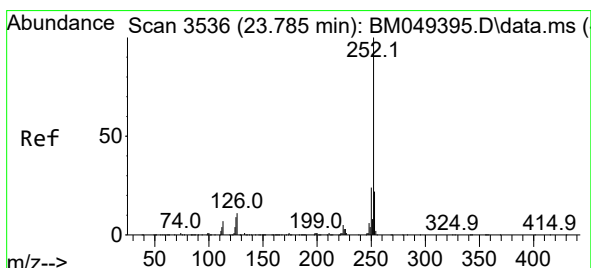
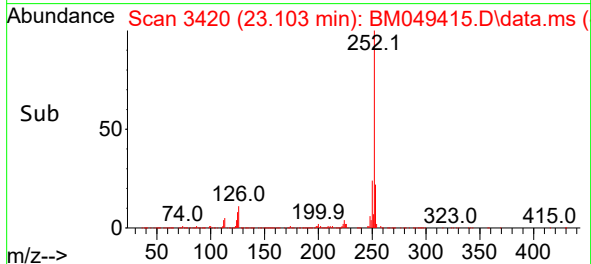
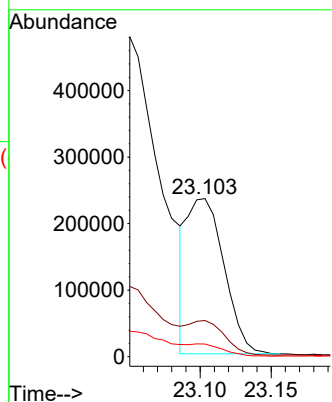
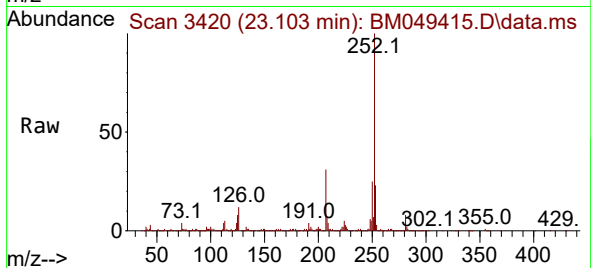
Tgt Ion:252 Resp: 419655

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 8.0 6.5 9.7



#93

Benzo(a)pyrene

Concen: 4.010 ng/ul

RT: 23.786 min Scan# 3536

Delta R.T. -0.012 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

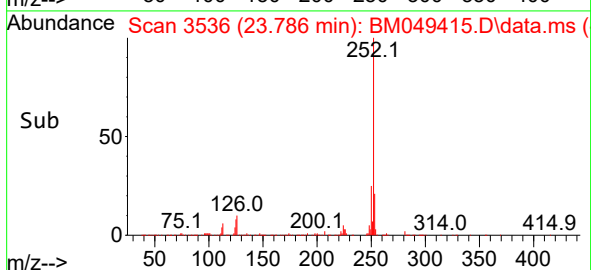
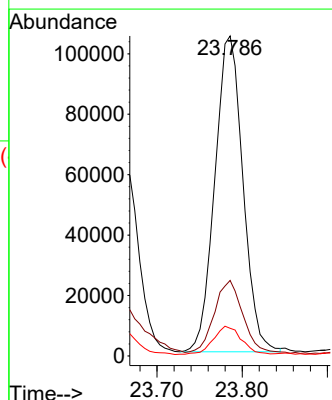
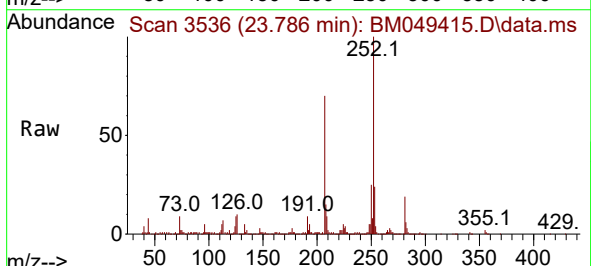
Tgt Ion:252 Resp: 239554

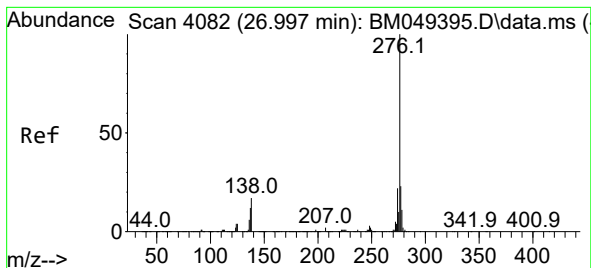
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 8.6 6.9 10.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.258 ng/ul

RT: 26.997 min Scan# 4082

Delta R.T. -0.023 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

Instrument :

BNA_M

ClientSampleId :

DCZH3DL

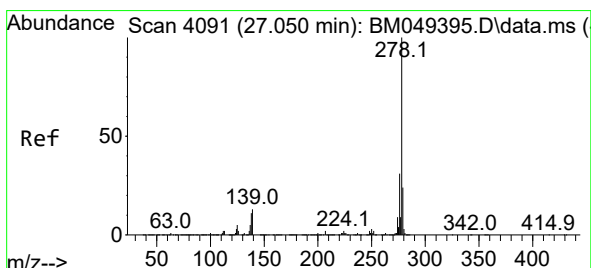
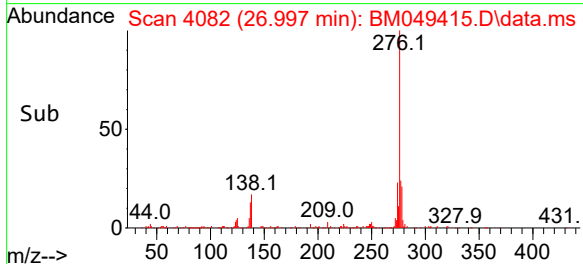
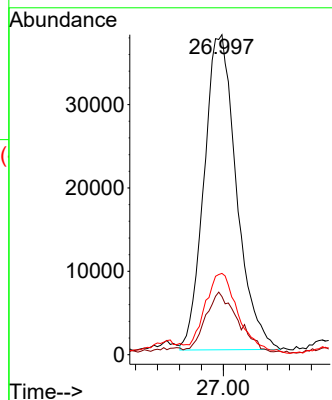
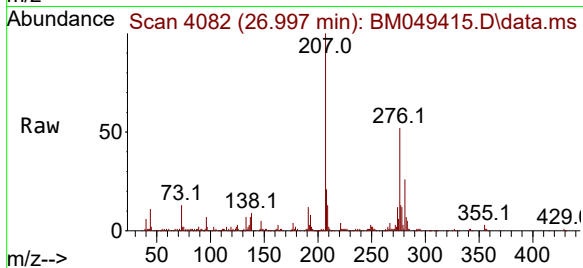
Tgt Ion:276 Resp: 154731

Ion Ratio Lower Upper

276 100

138 18.1 13.4 20.0

277 25.4 19.1 28.7



#95

Dibenzo(a,h)anthracene

Concen: 1.292 ng/ul

RT: 27.033 min Scan# 4088

Delta R.T. -0.041 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

Tgt Ion:278 Resp: 72144

Ion Ratio Lower Upper

278 100

139 13.4 9.9 14.9

279 27.3 19.4 29.0

