

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049416.D
 Acq On : 23 Jan 2025 12:56
 Operator : RC/JU
 Sample : Q1139-12DL 10X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH9DL

Quant Time: Jan 23 22:09:37 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)

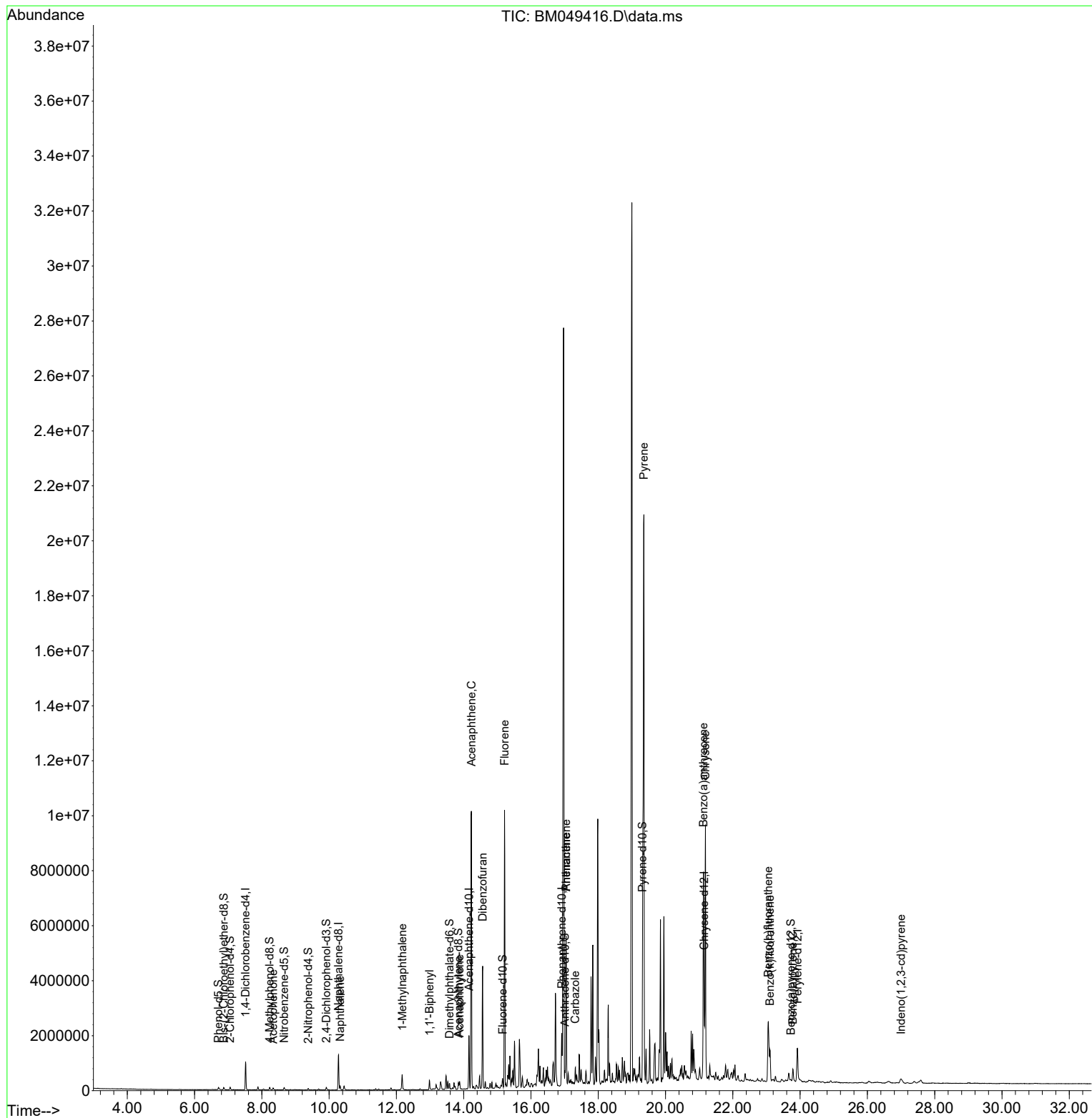
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	284222	20.000	ng/ul	0.00
20) Naphthalene-d8	10.281	136	1042293	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.157	164	654082	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.915	188	1265504	20.000	ng/ul	0.00
79) Chrysene-d12	21.145	240	1104404	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264	1069038	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	3741	0.545	ng/uL	0.00
4) Pyridine-d5	3.516	84	914	0.042	ng/ul	0.00
7) Phenol-d5	6.710	99	51838	2.173	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	40629	2.557	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	44316	2.428	ng/ul	0.00
15) 4-Methylphenol-d8	8.234	113	39243	2.121	ng/ul	0.00
21) Nitrobenzene-d5	8.663	128	19415	2.443	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	18915	2.129	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	41967	2.315	ng/ul	0.00
31) 4-Chloroaniline-d4	10.439	131	21196	0.888	ng/ul	0.01
46) Dimethylphthalate-d6	13.580	166	141423	2.905	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	140736	2.532	ng/ul	0.00
54) 4-Nitrophenol-d4	14.398	143	4884	0.606	ng/ul	0.00
60) Fluorene-d10	15.157	176	109740	2.609	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.298	200	3016	0.374	ng/ul	0.00
73) Anthracene-d10	17.010	188	155478	2.485	ng/ul	0.00
81) Pyrene-d10	19.315	212	143816	2.140	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.727	264	68907	1.201	ng/ul	-0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.334	105	42037	1.391	ng/ul#	94
30) Naphthalene	10.328	128	110289	1.994	ng/ul	98
37) 1-Methylnaphthalene	12.175	142	265256	6.735	ng/ul	98
43) 1,1'-Biphenyl	12.980	154	177978	3.716	ng/ul	97
50) Acenaphthylene	13.874	152	145521	2.554	ng/ul#	96
52) Acenaphthene	14.227	153	4153172	102.024	ng/ul	99
56) Dibenzofuran	14.563	168	2854368	49.377	ng/ul	100
61) Fluorene	15.216	166	4478473	94.821	ng/ul	99
72) Phenanthrene	17.045	178	3142156	44.662	ng/ul	100
74) Anthracene	17.045	178	3142156	44.496	ng/ul	100
77) Carbazole	17.315	167	263517	4.206	ng/ul	96
82) Pyrene	19.351	202	15126486	183.993	ng/ul	99
85) Benzo(a)anthracene	21.127	228	4101013	53.284	ng/ul	98
87) Chrysene	21.186	228	5193357	73.913	ng/ul	99
90) Benzo(b)fluoranthene	23.056	252	2390095	33.403	ng/ul	99
91) Benzo(k)fluoranthene	23.103	252	783576	10.983	ng/ul	99
93) Benzo(a)pyrene	23.786	252	432488	6.692	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.997	276	221511	2.988	ng/ul	97

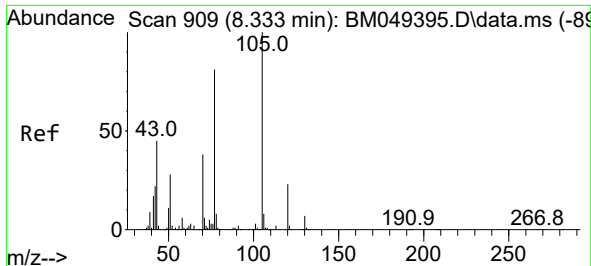
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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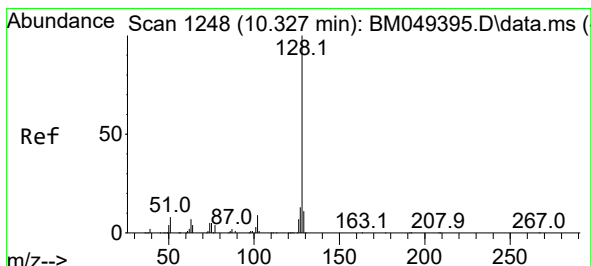
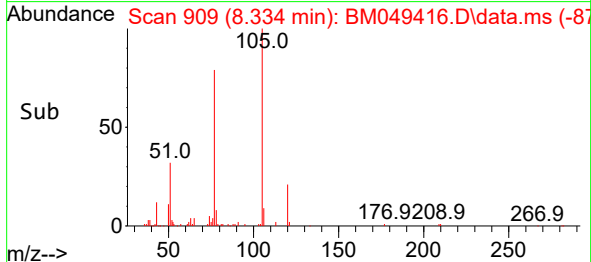
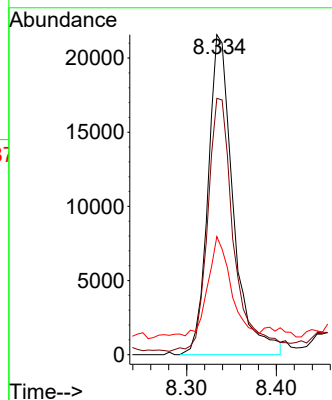
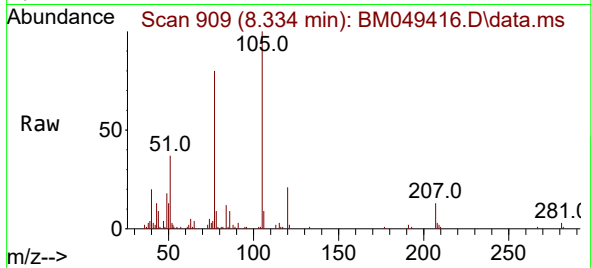




#16
Acetophenone
Concen: 1.391 ng/ul
RT: 8.334 min Scan# 909
Delta R.T. -0.006 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

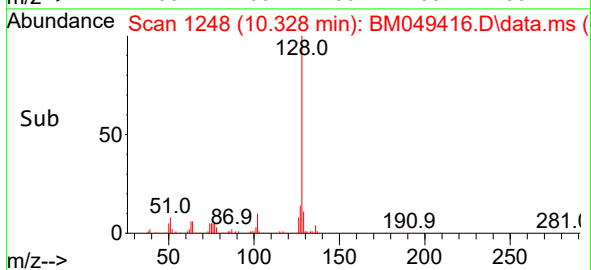
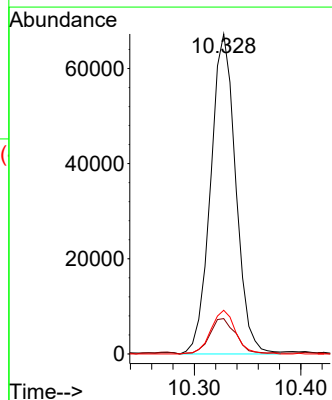
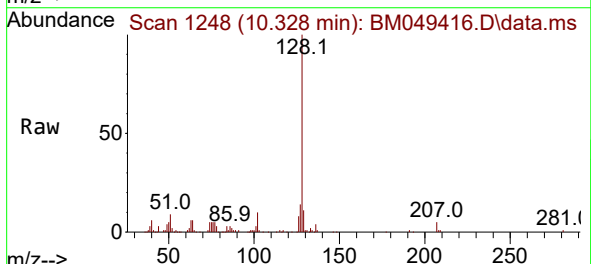
Instrument :
BNA_M
ClientSampleId :
DCZH9DL

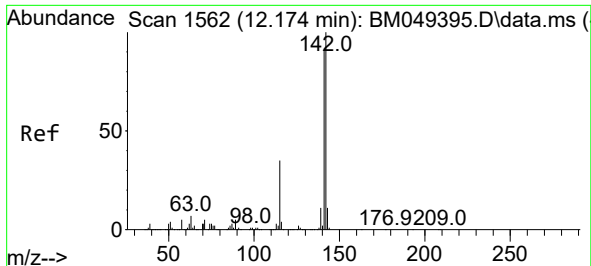
Tgt Ion:105 Resp: 42037
Ion Ratio Lower Upper
105 100
77 80.1 63.2 94.8
51 36.9 20.9 31.3#



#30
Naphthalene
Concen: 1.994 ng/ul
RT: 10.328 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

Tgt Ion:128 Resp: 110289
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.7 10.2 15.2

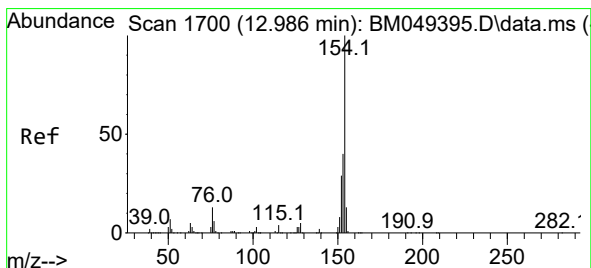
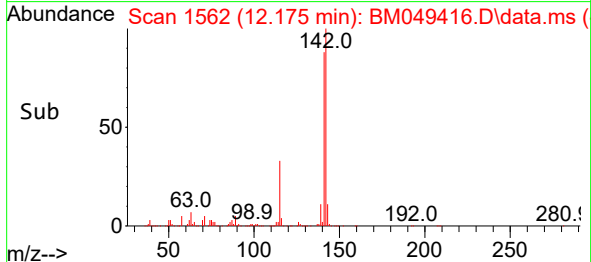
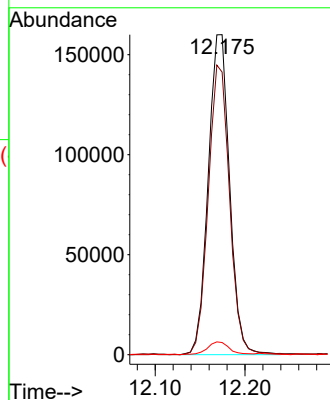
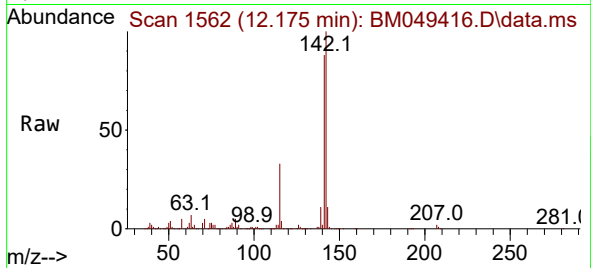




#37
1-Methylnaphthalene
Concen: 6.735 ng/ul
RT: 12.175 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

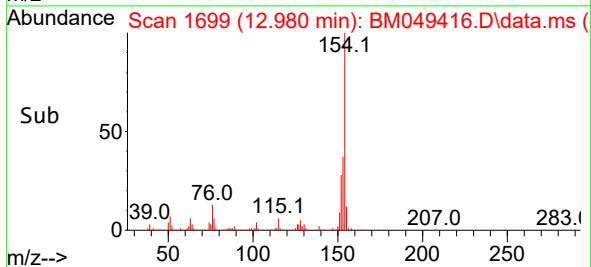
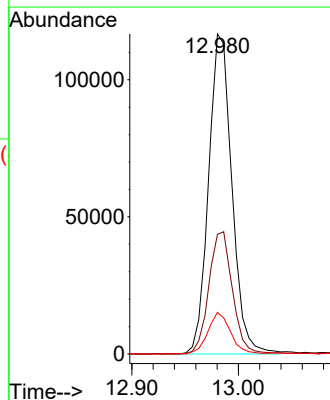
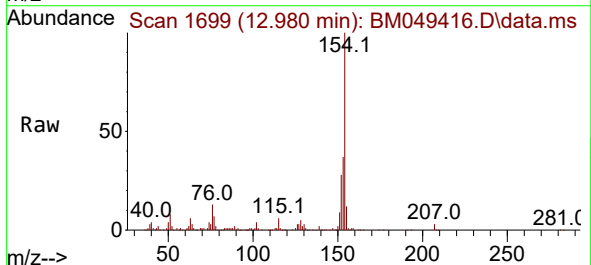
Instrument :
BNA_M
ClientSampleId :
DCZH9DL

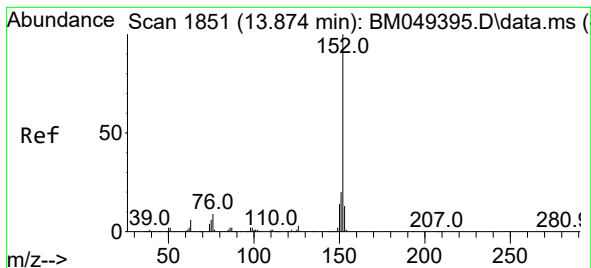
Tgt Ion:142 Resp: 265256
Ion Ratio Lower Upper
142 100
141 88.3 71.9 107.9
116 3.8 2.8 4.2



#43
1,1'-Biphenyl
Concen: 3.716 ng/ul
RT: 12.980 min Scan# 1699
Delta R.T. -0.012 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

Tgt Ion:154 Resp: 177978
Ion Ratio Lower Upper
154 100
153 37.4 31.0 46.4
76 13.0 9.1 13.7





#50

Acenaphthylene

Concen: 2.554 ng/ul

RT: 13.874 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BM049416.D

Acq: 23 Jan 2025 12:56

Instrument :

BNA_M

ClientSampleId :

DCZH9DL

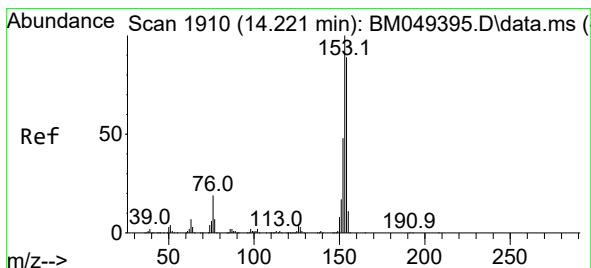
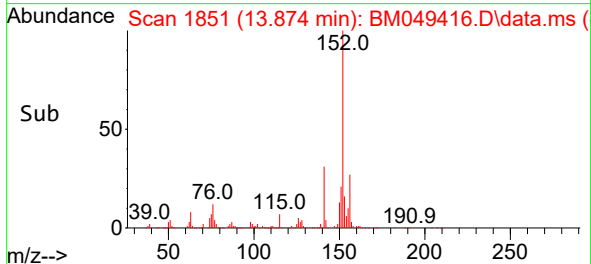
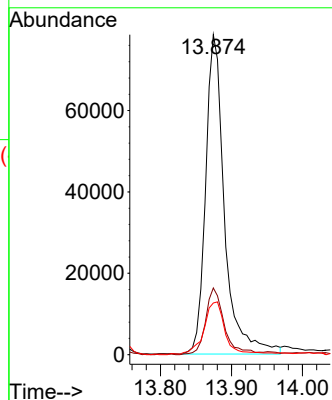
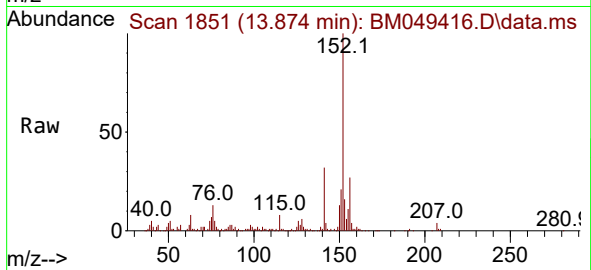
Tgt Ion:152 Resp: 145521

Ion Ratio Lower Upper

152 100

151 20.8 15.8 23.8

153 16.2 10.6 15.8#



#52

Acenaphthene

Concen: 102.024 ng/ul

RT: 14.227 min Scan# 1911

Delta R.T. 0.000 min

Lab File: BM049416.D

Acq: 23 Jan 2025 12:56

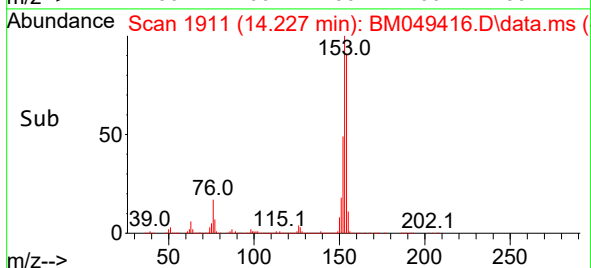
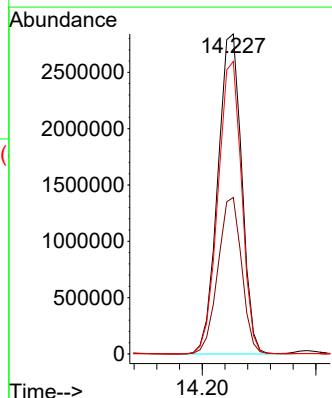
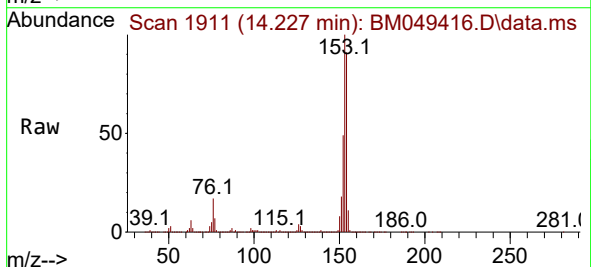
Tgt Ion:153 Resp: 4153172

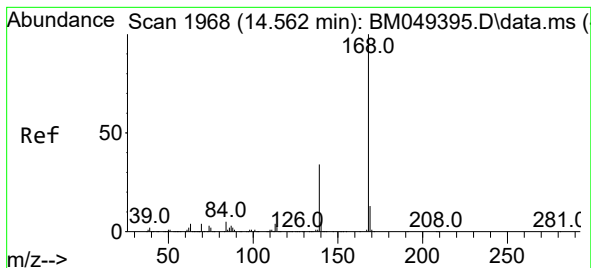
Ion Ratio Lower Upper

153 100

152 48.9 39.0 58.6

154 91.4 71.6 107.4

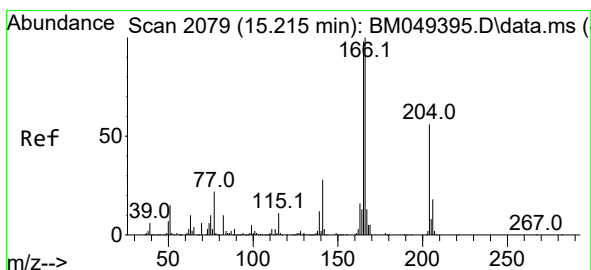
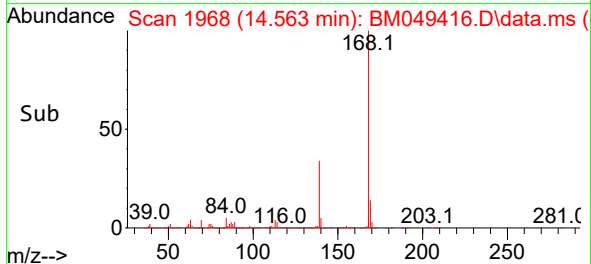
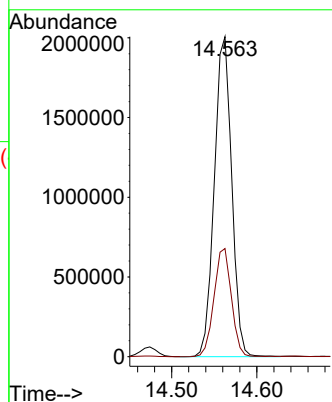
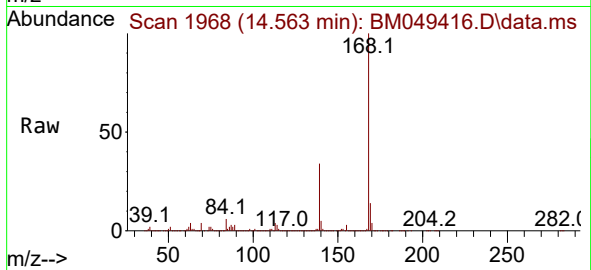




#56
Dibenzenofuran
Concen: 49.377 ng/ul
RT: 14.563 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

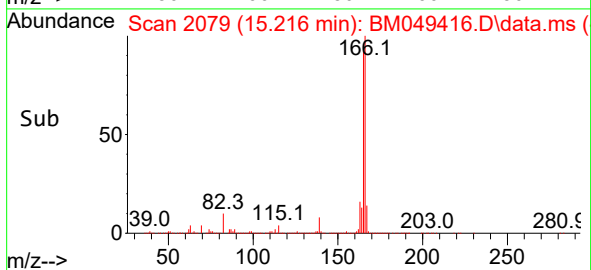
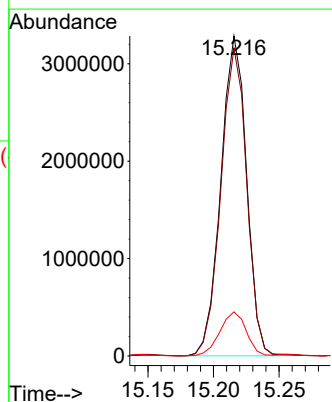
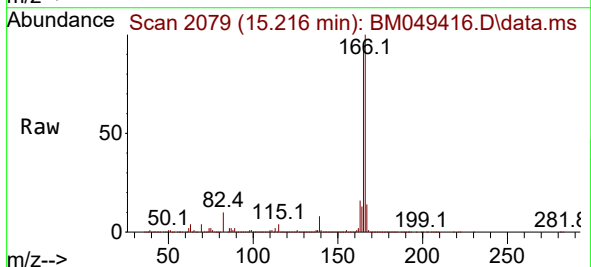
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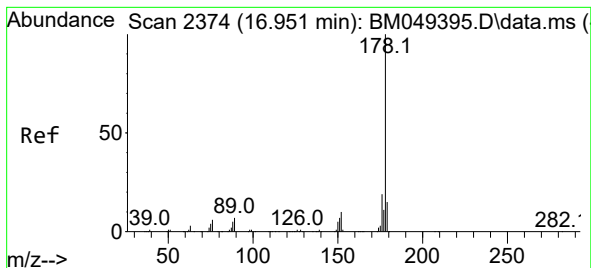
Tgt Ion:168 Resp: 2854368
Ion Ratio Lower Upper
168 100
139 33.8 27.0 40.4



#61
Fluorene
Concen: 94.821 ng/ul
RT: 15.216 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

Tgt Ion:166 Resp: 4478473
Ion Ratio Lower Upper
166 100
165 96.3 77.7 116.5
167 13.8 10.7 16.1





#72

Phenanthrene

Concen: 44.662 ng/u1

RT: 17.045 min Scan# 21

Delta R.T. 0.088 min

Lab File: BM049416.D

Acq: 23 Jan 2025 12:56

Instrument :

BNA_M

ClientSampleId :

DCZH9DL

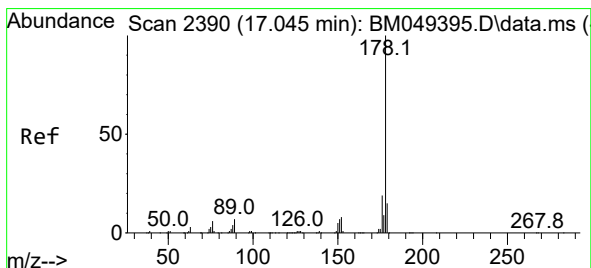
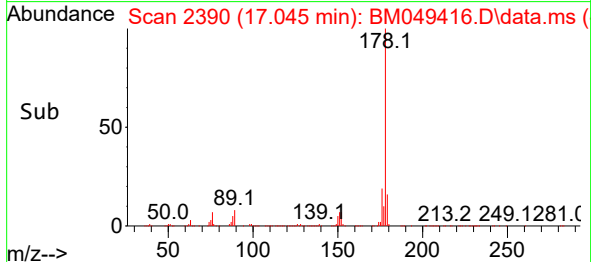
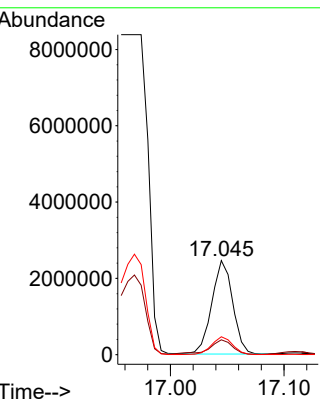
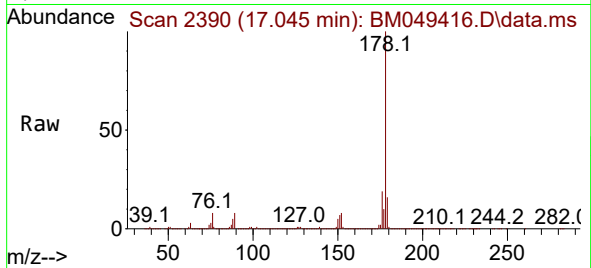
Tgt Ion:178 Resp: 3142156

Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

176 19.1 15.4 23.2



#74

Anthracene

Concen: 44.496 ng/u1

RT: 17.045 min Scan# 2390

Delta R.T. -0.006 min

Lab File: BM049416.D

Acq: 23 Jan 2025 12:56

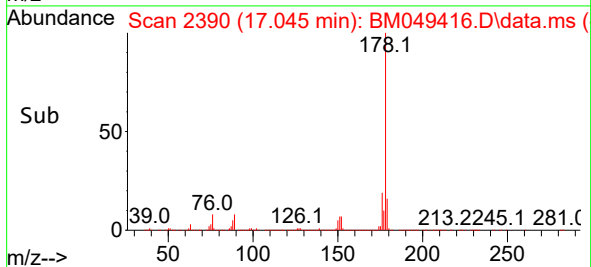
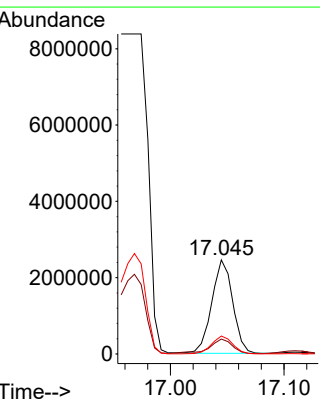
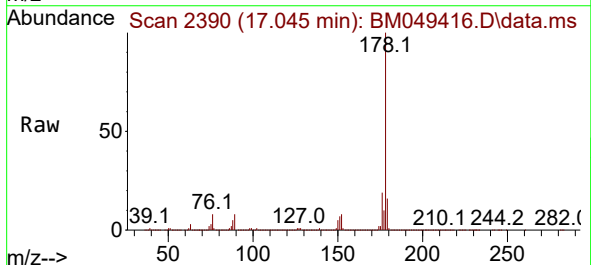
Tgt Ion:178 Resp: 3142156

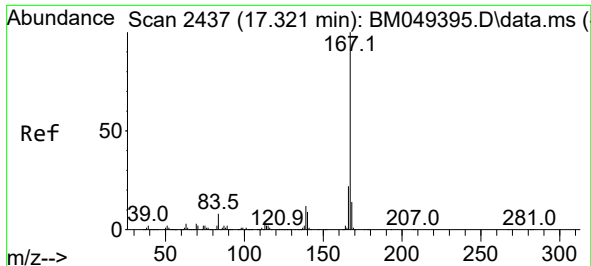
Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

176 19.1 15.1 22.7

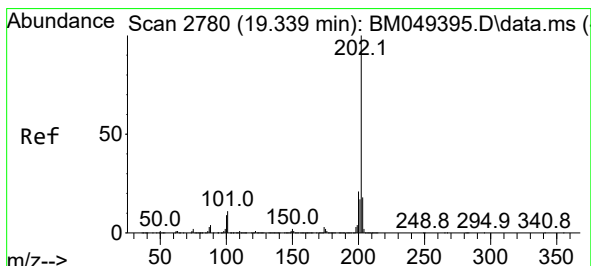
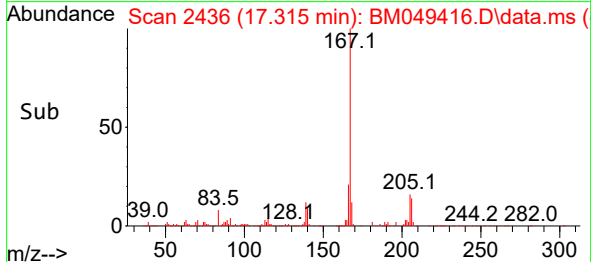
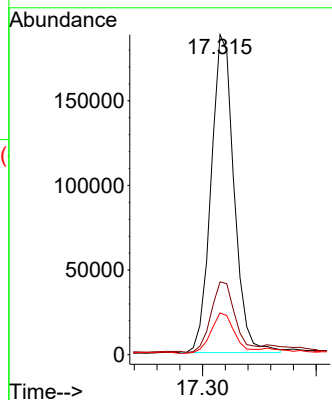
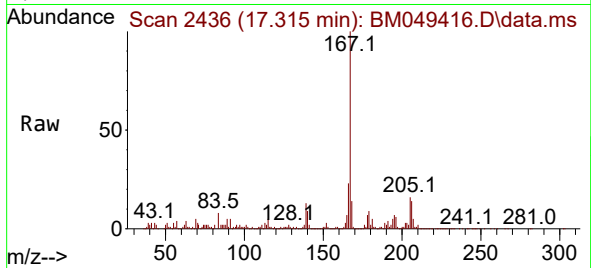




#77
 Carbazole
 Concen: 4.206 ng/ul
 RT: 17.315 min Scan# 2436
 Delta R.T. -0.012 min
 Lab File: BM049416.D
 Acq: 23 Jan 2025 12:56

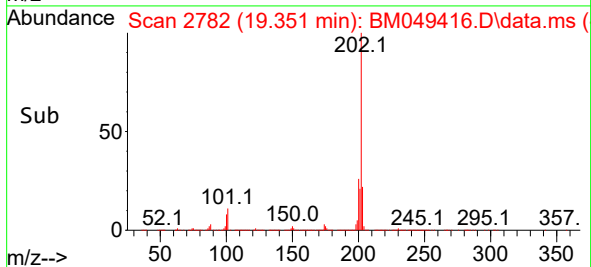
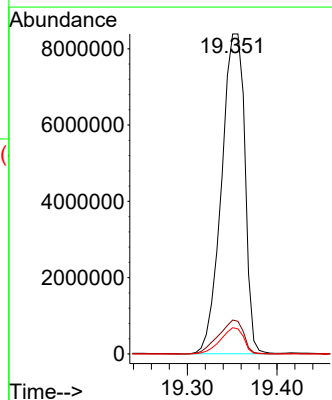
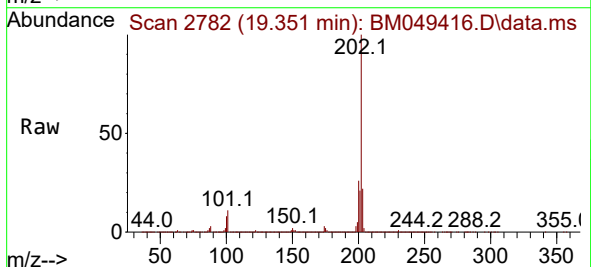
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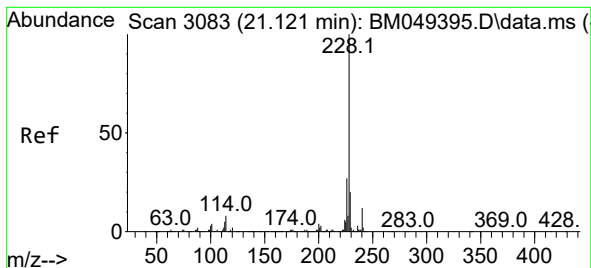
Tgt Ion:167 Resp: 263517
 Ion Ratio Lower Upper
 167 100
 166 22.7 16.7 25.1
 139 13.1 9.5 14.3



#82
 Pyrene
 Concen: 183.993 ng/ul
 RT: 19.351 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: BM049416.D
 Acq: 23 Jan 2025 12:56

Tgt Ion:202 Resp:15126486
 Ion Ratio Lower Upper
 202 100
 101 10.6 7.8 11.8
 100 8.2 6.6 10.0





#85

Benzo(a)anthracene

Concen: 53.284 ng/ul

RT: 21.127 min Scan# 3083

Delta R.T. -0.006 min

Lab File: BM049416.D

Acq: 23 Jan 2025 12:56

Instrument :

BNA_M

ClientSampleId :

DCZH9DL

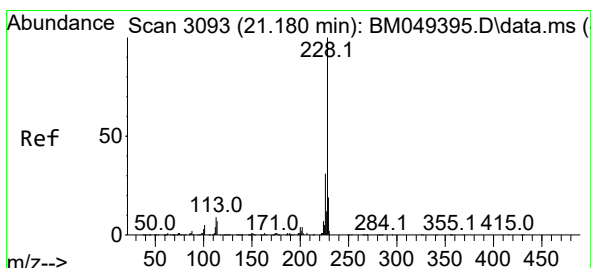
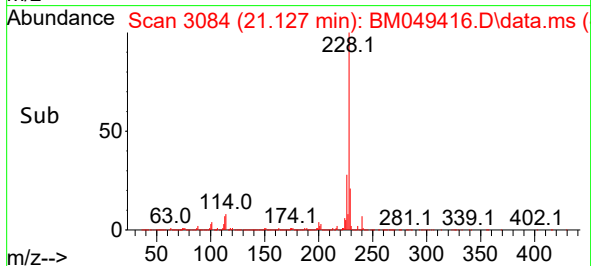
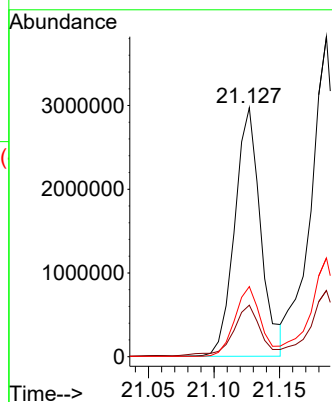
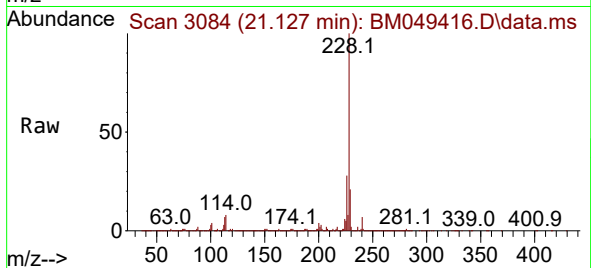
Tgt Ion:228 Resp: 4101013

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

226 28.2 22.1 33.1



#87

Chrysene

Concen: 73.913 ng/ul

RT: 21.186 min Scan# 3094

Delta R.T. 0.000 min

Lab File: BM049416.D

Acq: 23 Jan 2025 12:56

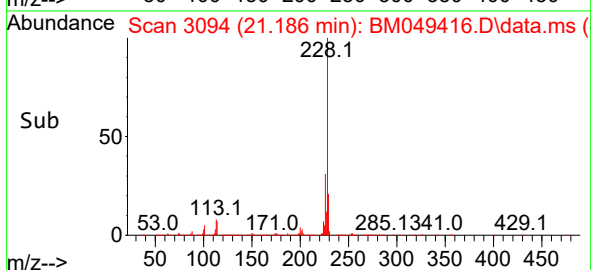
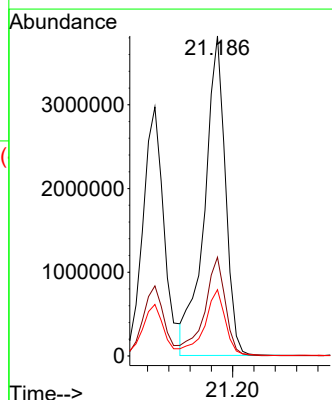
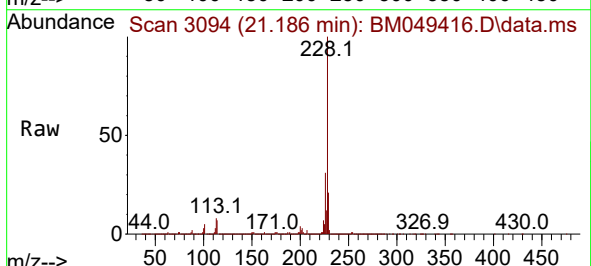
Tgt Ion:228 Resp: 5193357

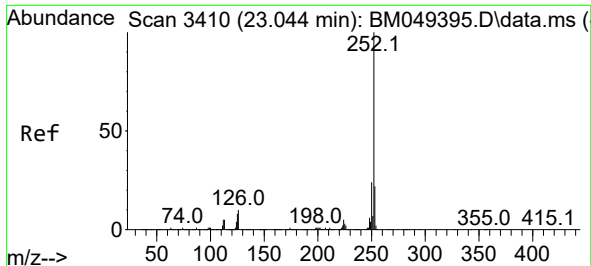
Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

229 20.7 16.0 24.0

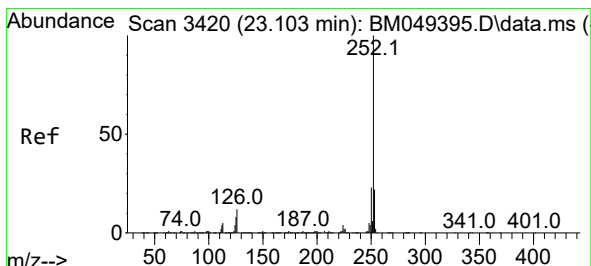
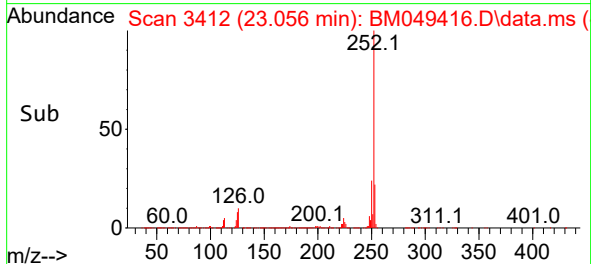
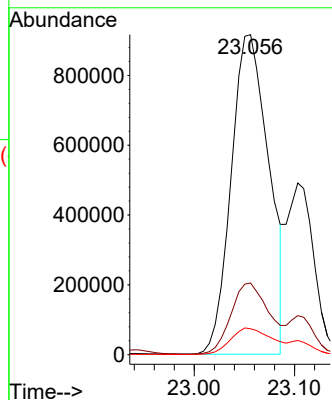
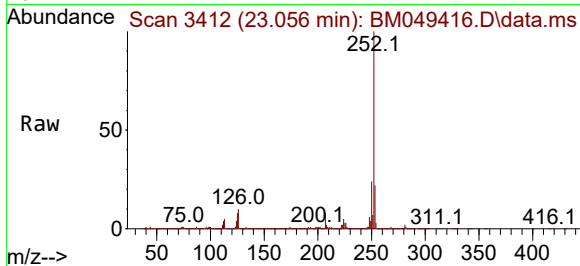




#90
Benzo(b)fluoranthene
Concen: 33.403 ng/ul
RT: 23.056 min Scan# 3410
Delta R.T. 0.000 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

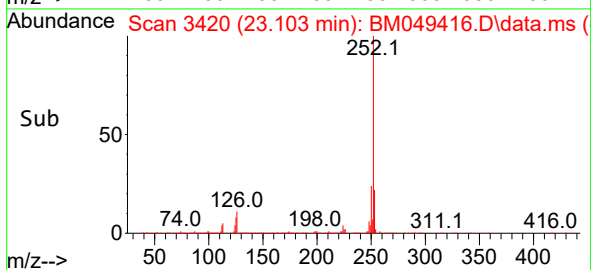
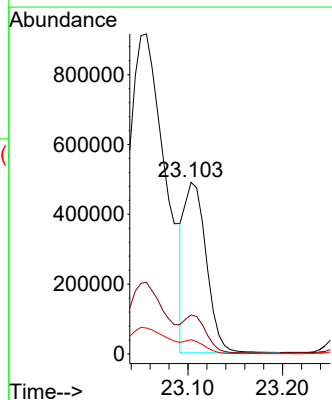
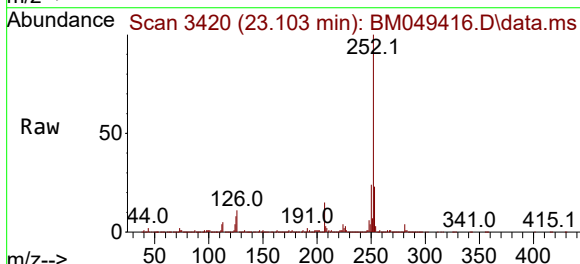
Instrument :
BNA_M
ClientSampleId :
DCZH9DL

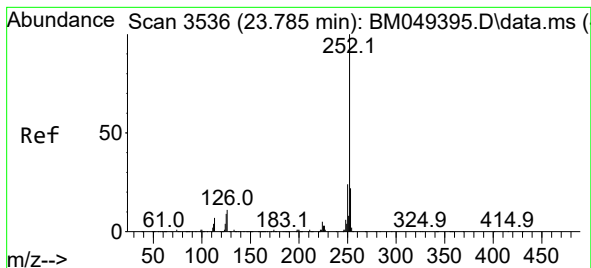
Tgt Ion:252 Resp: 2390095
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 8.1 6.6 9.8



#91
Benzo(k)fluoranthene
Concen: 10.983 ng/ul
RT: 23.103 min Scan# 3420
Delta R.T. -0.012 min
Lab File: BM049416.D
Acq: 23 Jan 2025 12:56

Tgt Ion:252 Resp: 783576
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 8.3 6.5 9.7





#93

Benzo(a)pyrene

Concen: 6.692 ng/ul

RT: 23.786 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM049416.D

Acq: 23 Jan 2025 12:56

Instrument :

BNA_M

ClientSampleId :

DCZH9DL

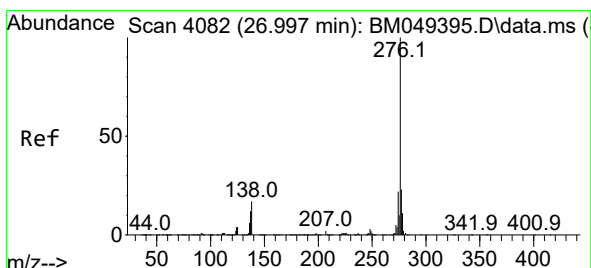
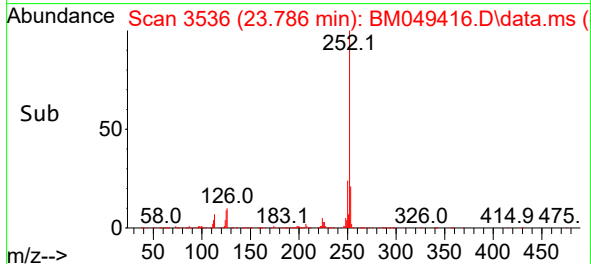
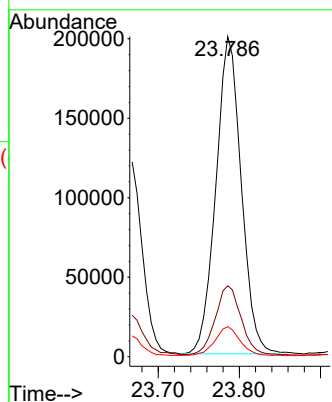
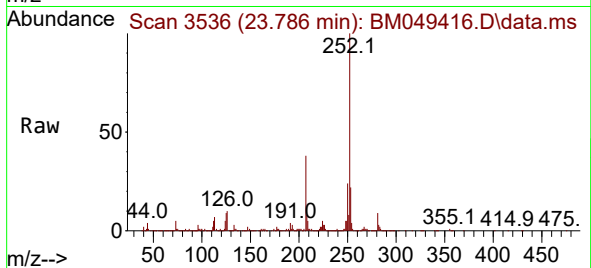
Tgt Ion:252 Resp: 432488

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 9.4 6.9 10.3



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.988 ng/ul

RT: 26.997 min Scan# 4082

Delta R.T. -0.023 min

Lab File: BM049416.D

Acq: 23 Jan 2025 12:56

Tgt Ion:276 Resp: 221511

Ion Ratio Lower Upper

276 100

138 18.1 13.4 20.0

277 25.1 19.1 28.7

