

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 22:32:37 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

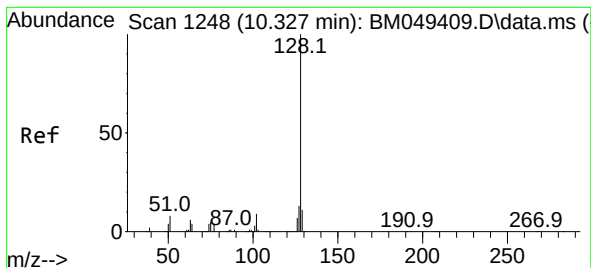
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	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	0.000	84	0d	0.000	ng/u1	
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	0.000	143	0d	0.000	ng/u1	
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	
30) Naphthalene	10.340	128	13815835	277.295	ng/u1	98
36) 2-Methylnaphthalene	11.951	142	3280651	92.016	ng/u1	99
37) 1-Methylnaphthalene	12.175	142	1471099	41.470	ng/u1	100
50) Acenaphthylene	13.875	152	176521	3.308	ng/u1#	95
52) Acenaphthene	14.222	153	2893772	75.902	ng/u1	99
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
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

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

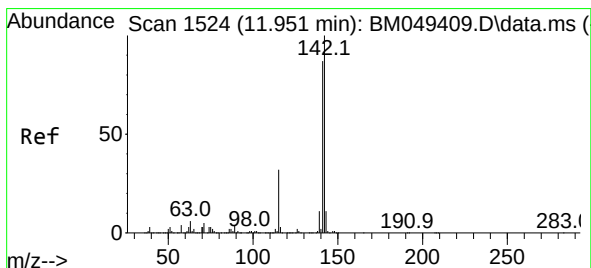
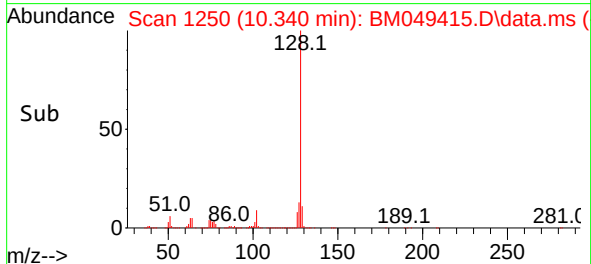
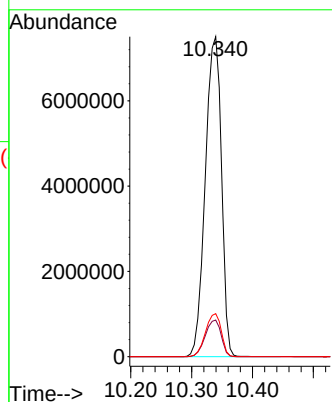
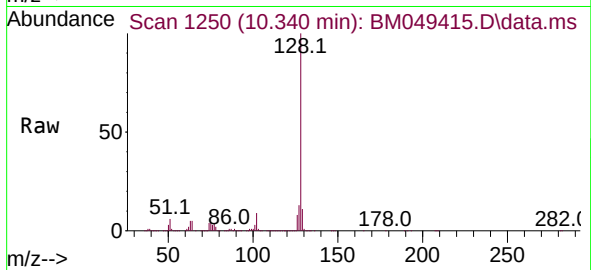




#30
Naphthalene
Concen: 277.295 ng/ul
RT: 10.340 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

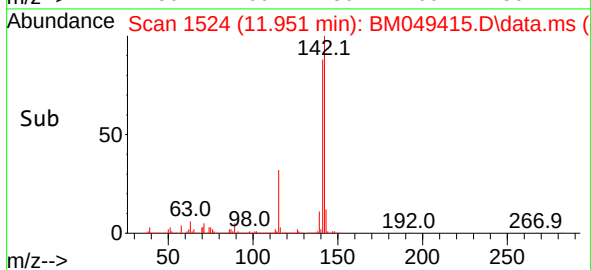
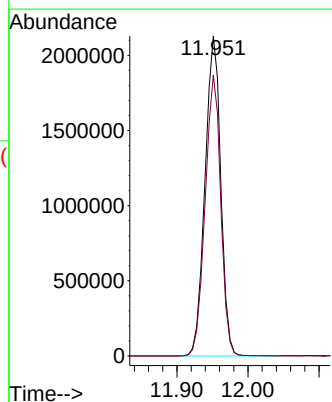
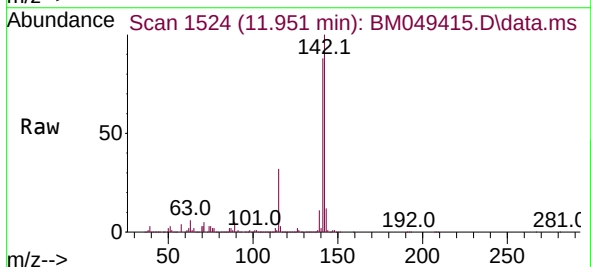
Instrument :
BNA_M
ClientSampleId :
DCZH3DL

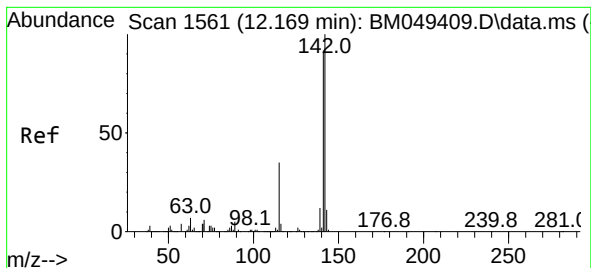
Tgt Ion:128 Resp:13815835
Ion Ratio Lower Upper
128 100
129 11.5 8.5 12.7
127 13.4 10.2 15.2



#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 :

BNA_M

ClientSampleId :

DCZH3DL

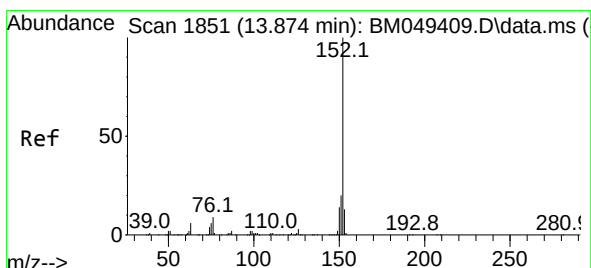
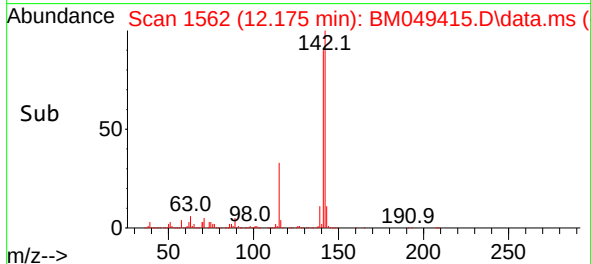
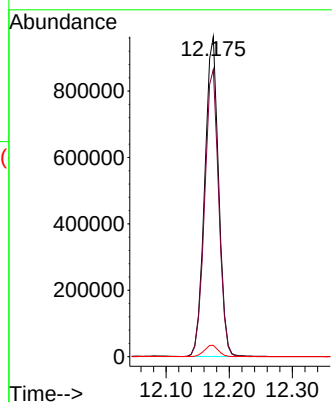
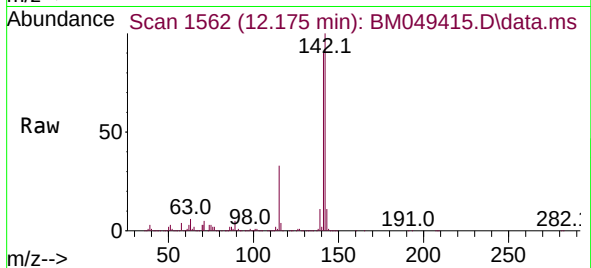
Tgt Ion:142 Resp: 1471099

Ion Ratio Lower Upper

142 100

141 89.8 71.9 107.9

116 3.6 2.8 4.2



#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

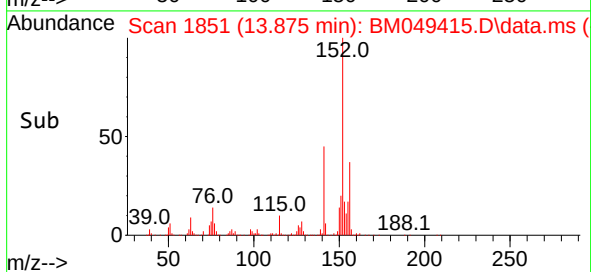
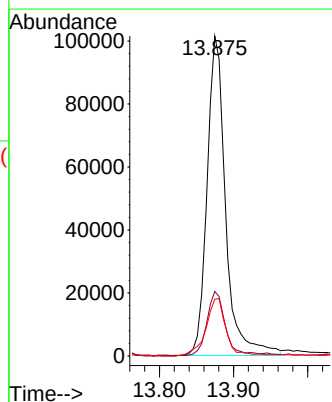
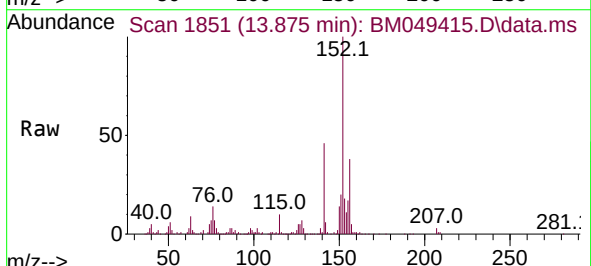
Tgt Ion:152 Resp: 176521

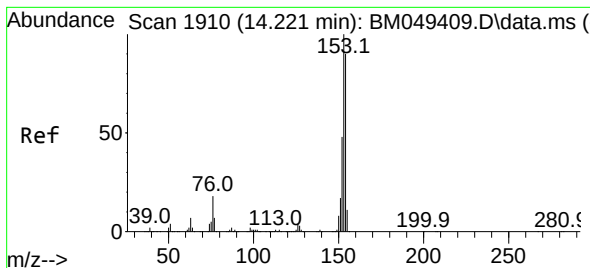
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

DCZH3DL

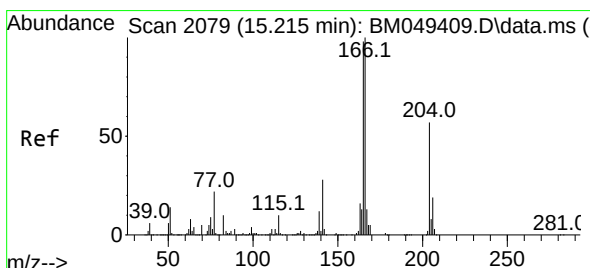
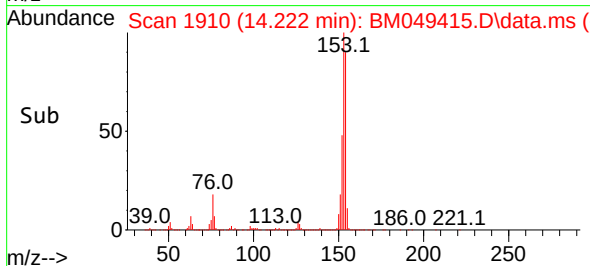
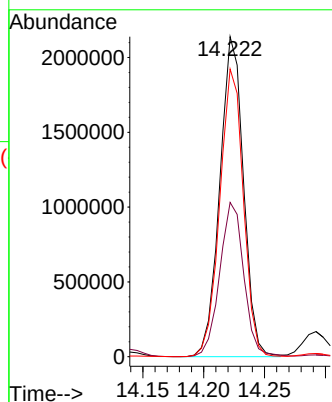
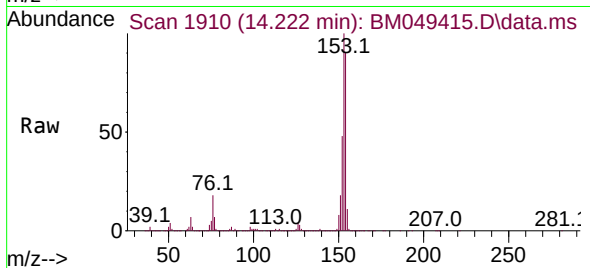
Tgt Ion:153 Resp: 2893772

Ion Ratio Lower Upper

153 100

152 48.2 39.0 58.6

154 89.9 71.6 107.4



#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

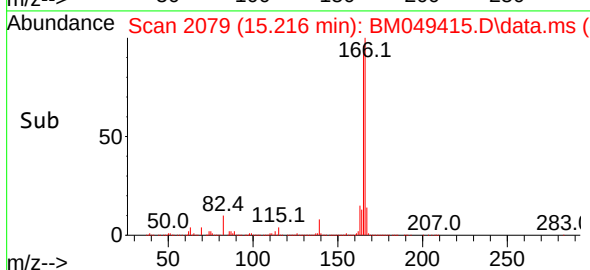
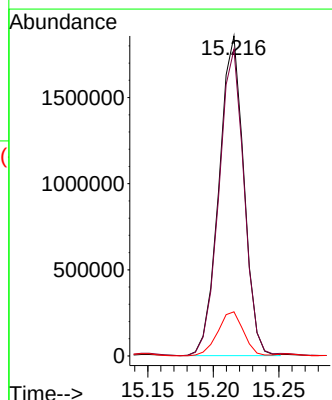
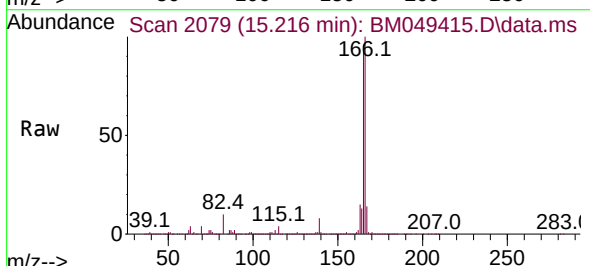
Tgt Ion:166 Resp: 2441719

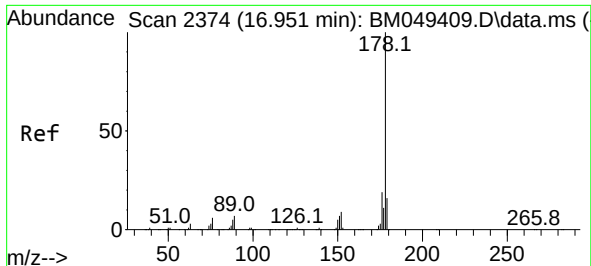
Ion Ratio Lower Upper

166 100

165 95.8 77.7 116.5

167 13.8 10.7 16.1

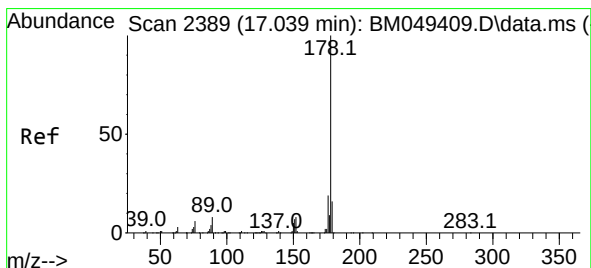
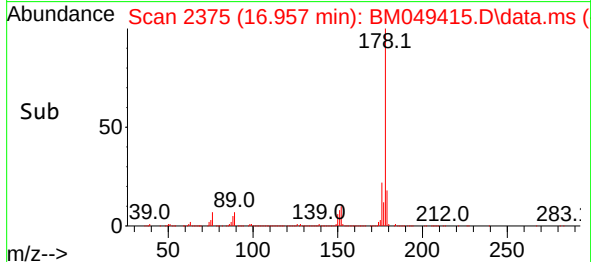
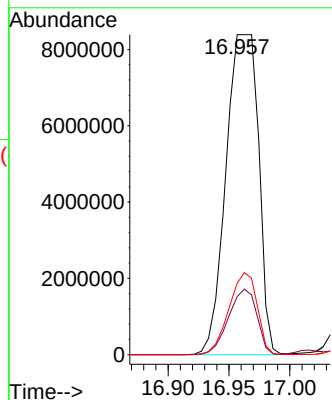
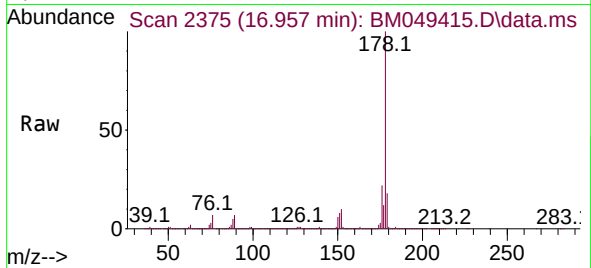




#72
Phenanthrene
Concen: 245.283 ng/u1
RT: 16.957 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

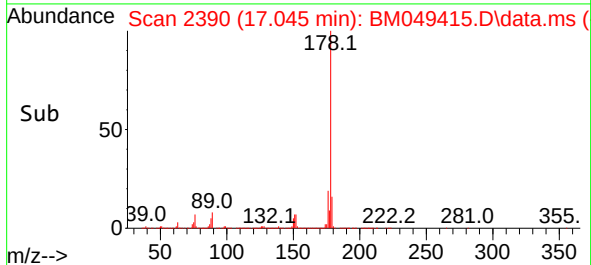
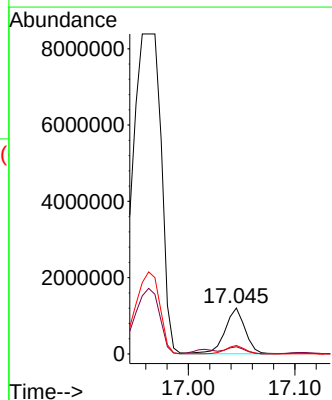
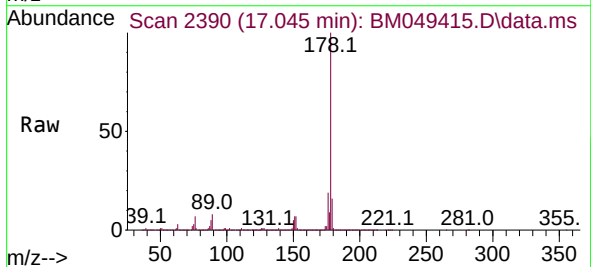
Instrument :
BNA_M
ClientSampleId :
DCZH3DL

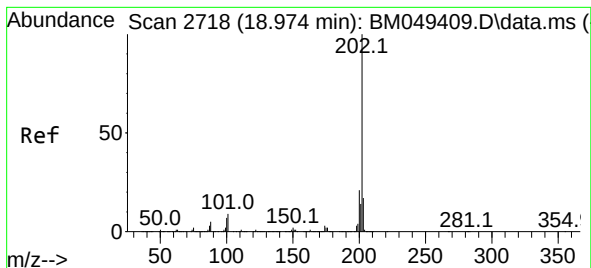
Tgt Ion:178 Resp:15676047
Ion Ratio Lower Upper
178 100
179 18.2 12.6 19.0
176 22.3 15.4 23.2



#74
Anthracene
Concen: 24.752 ng/u1
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





#80

Fluoranthene

Concen: 178.155 ng/ul

RT: 18.986 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

Instrument :

BNA_M

ClientSampleId :

DCZH3DL

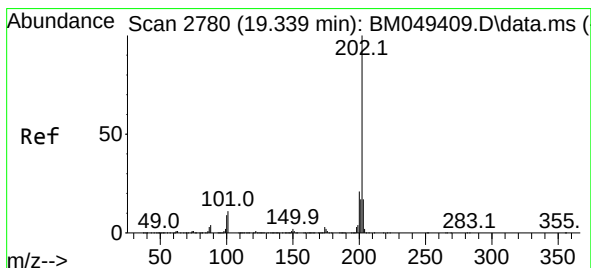
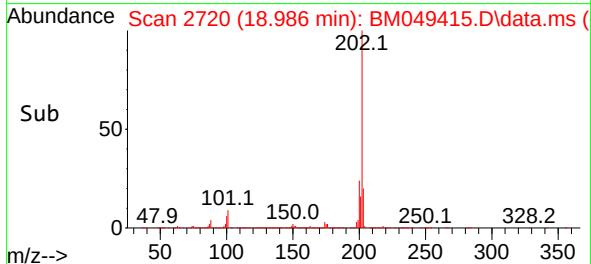
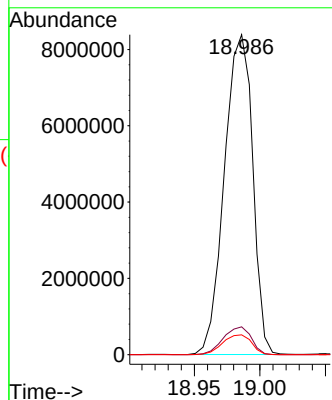
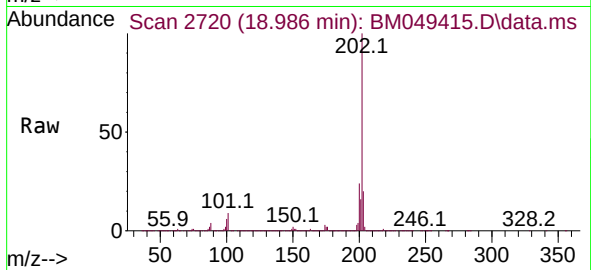
Tgt Ion:202 Resp:12577362

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# 2781

Delta R.T. -0.006 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

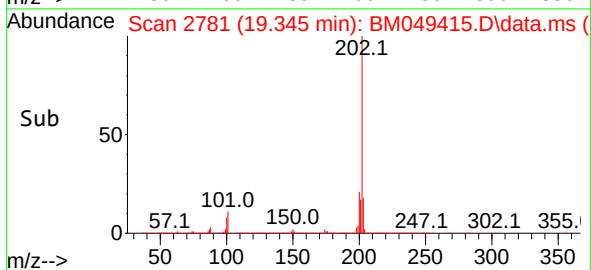
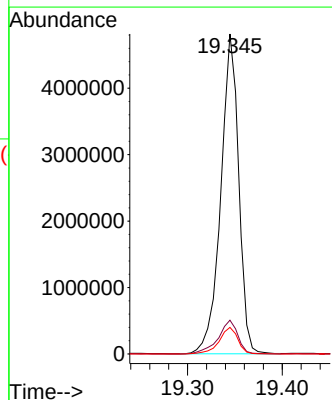
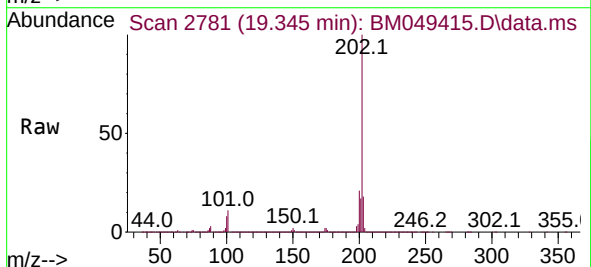
Tgt Ion:202 Resp: 6341267

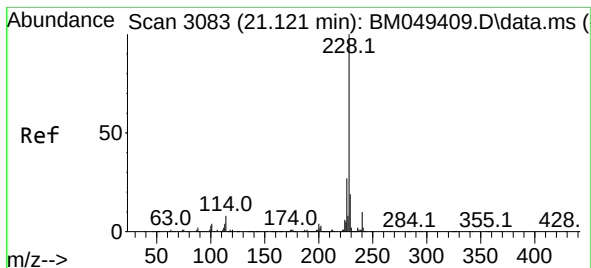
Ion Ratio Lower Upper

202 100

101 10.5 7.8 11.8

100 8.3 6.6 10.0





#85

Benzo(a)anthracene

Concen: 28.690 ng/uI

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

Instrument :

BNA_M

ClientSampleId :

DCZH3DL

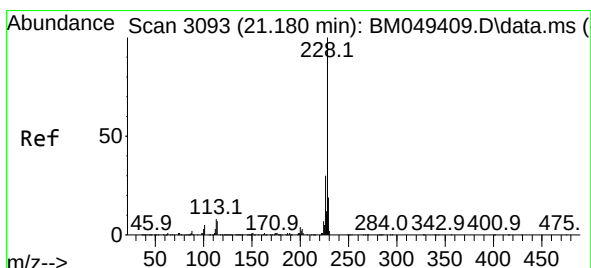
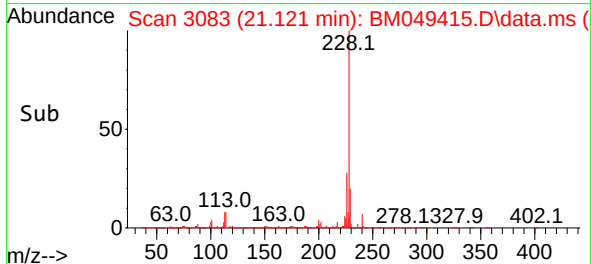
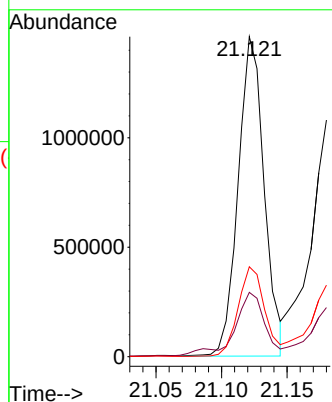
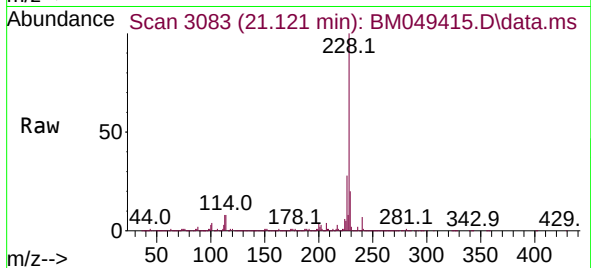
Tgt Ion:228 Resp: 2018416

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/uI

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

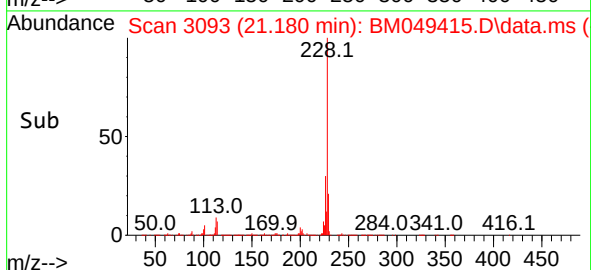
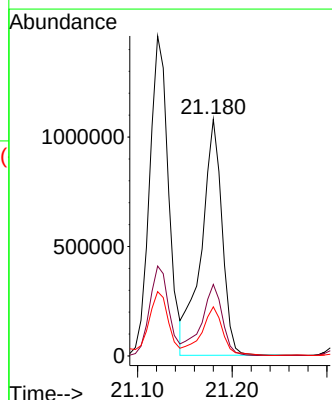
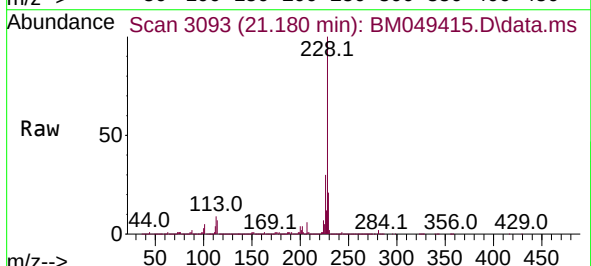
Tgt Ion:228 Resp: 1630730

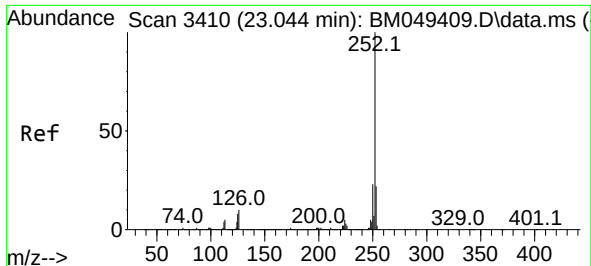
Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 20.8 16.0 24.0

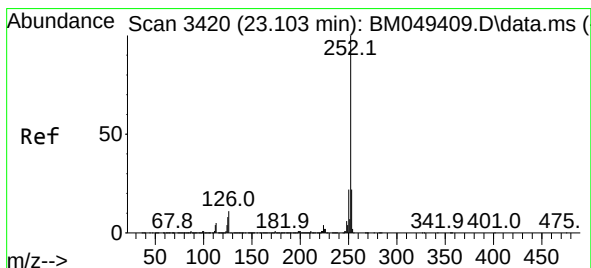
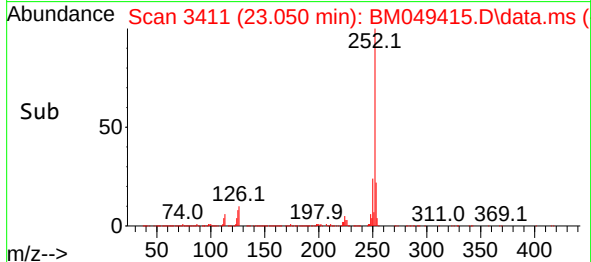
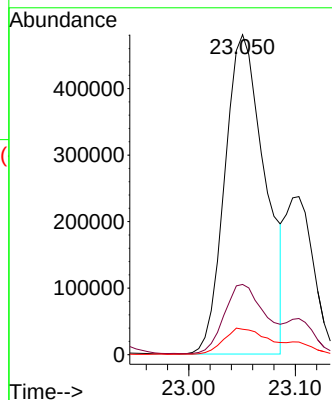
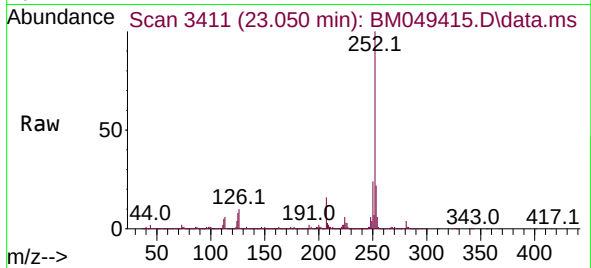




#90
Benzo(b)fluoranthene
Concen: 19.032 ng/ul
RT: 23.050 min Scan# 3410
Delta R.T. -0.006 min
Lab File: BM049415.D
Acq: 23 Jan 2025 12:17

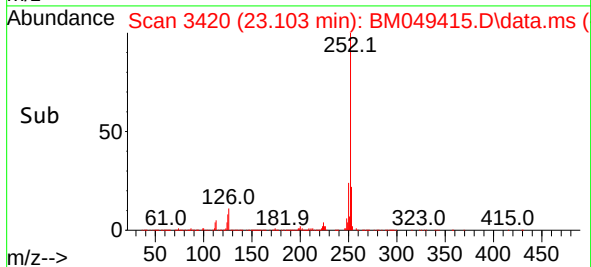
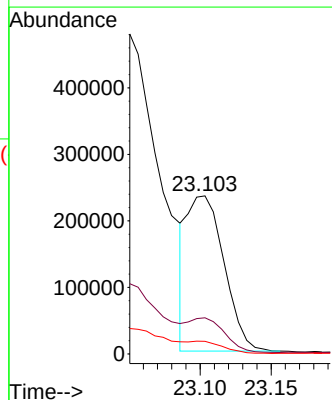
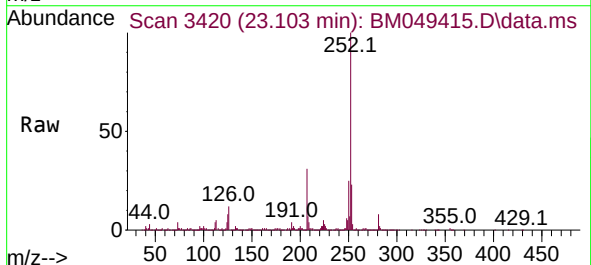
Instrument :
BNA_M
ClientSampleId :
DCZH3DL

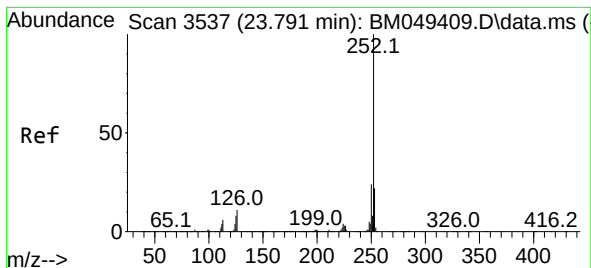
Tgt Ion:252 Resp: 1258804
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 8.0 6.6 9.8



#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

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/u1

RT: 23.786 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

Instrument :

BNA_M

ClientSampleId :

DCZH3DL

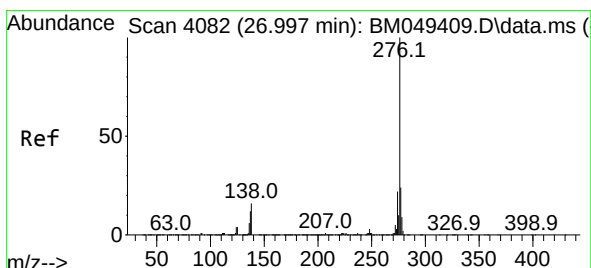
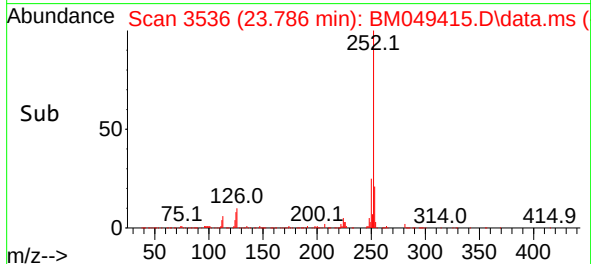
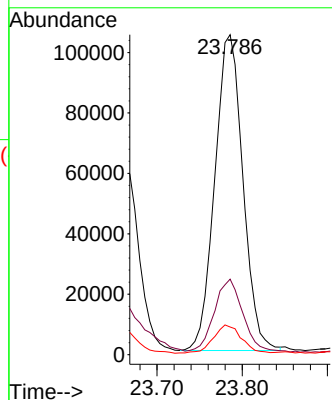
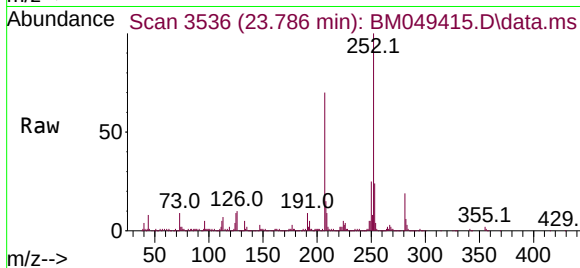
Tgt Ion:252 Resp: 239554

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/u1

RT: 26.997 min Scan# 4082

Delta R.T. -0.023 min

Lab File: BM049415.D

Acq: 23 Jan 2025 12:17

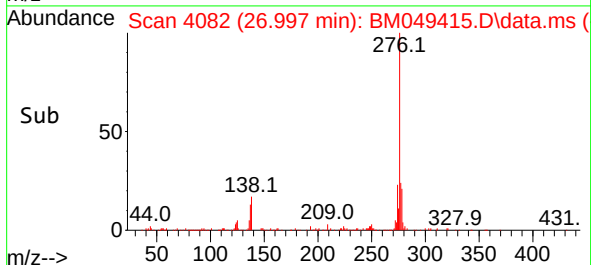
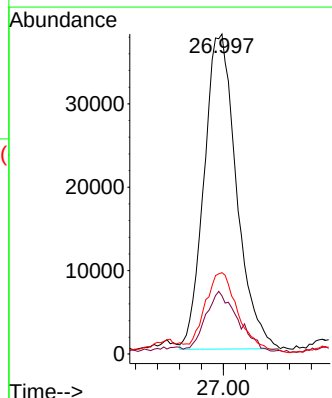
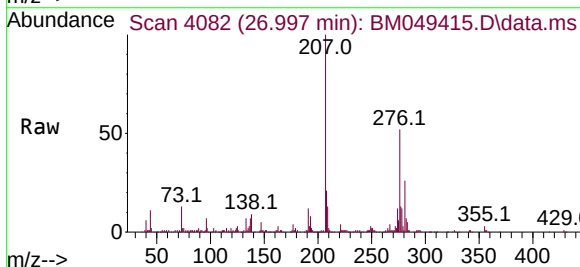
Tgt Ion:276 Resp: 154731

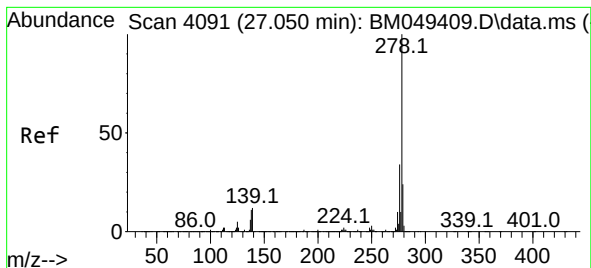
Ion Ratio Lower Upper

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# 40

Delta R.T. -0.041 min

Lab File: BM049415.D

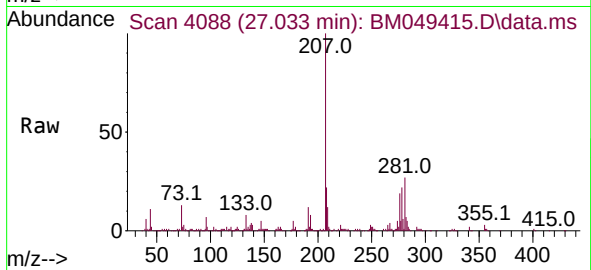
Acq: 23 Jan 2025 12:17

Instrument :

BNA_M

ClientSampleId :

DCZH3DL



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

