

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049418.D
 Acq On : 23 Jan 2025 14:13
 Operator : RC/JU
 Sample : Q1139-11DL 10X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH8DL

Quant Time: Jan 23 22:10:12 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)

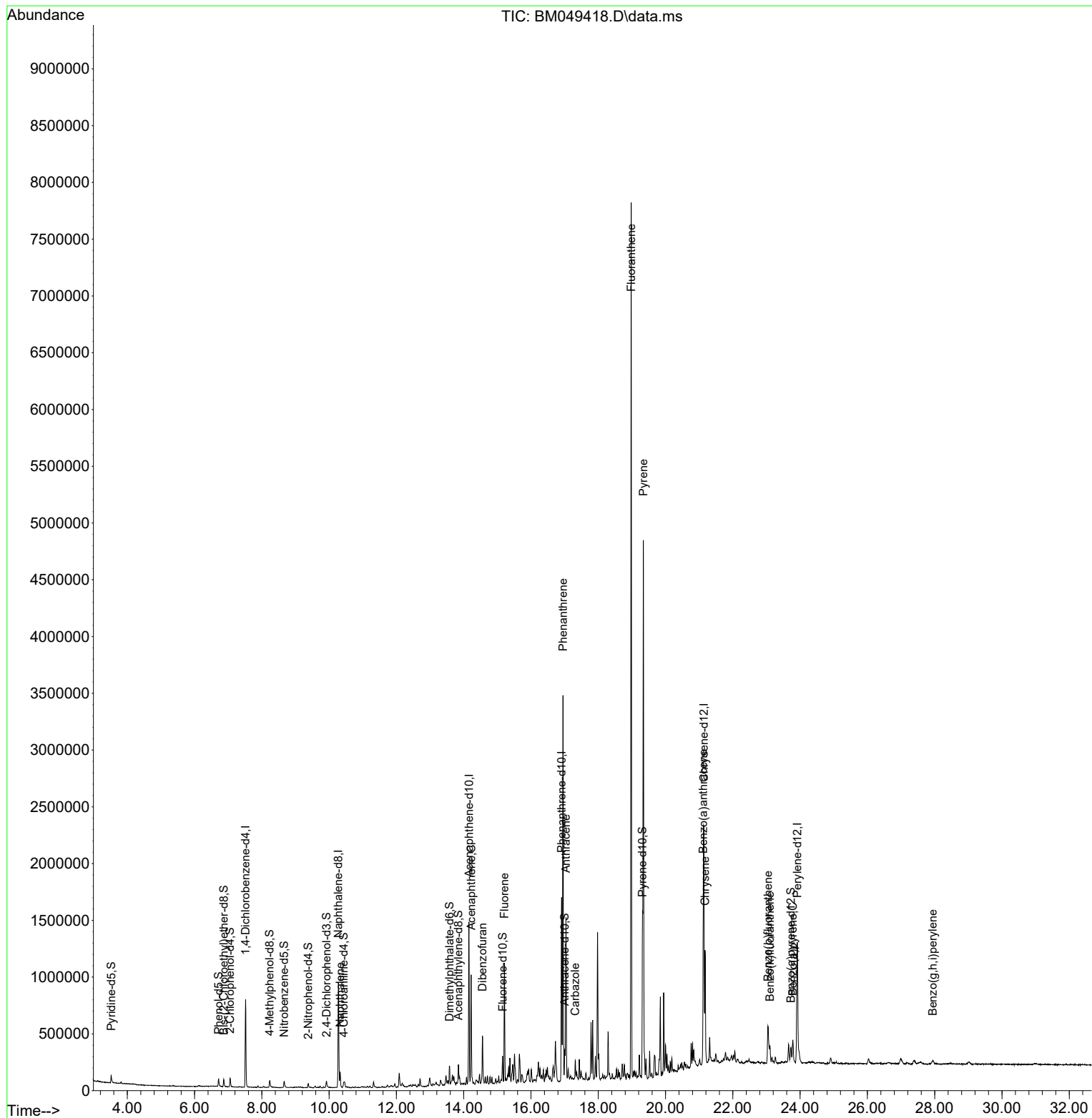
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	209149	20.000	ng/ul	0.00
20) Naphthalene-d8	10.275	136	753463	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.157	164	461448	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.910	188	939866	20.000	ng/ul	0.00
79) Chrysene-d12	21.139	240	951120	20.000	ng/ul	0.00
88) Perylene-d12	23.915	264	941653	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	3879	0.767	ng/uL	0.00
4) Pyridine-d5	3.522	84	37184	2.311	ng/ul	0.01
7) Phenol-d5	6.716	99	40343	2.298	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	31389	2.685	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	35946	2.676	ng/ul	0.00
15) 4-Methylphenol-d8	8.234	113	28252	2.075	ng/ul	0.00
21) Nitrobenzene-d5	8.663	128	14296	2.488	ng/ul	0.00
24) 2-Nitrophenol-d4	9.381	143	12176	1.896	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.922	165	28485	2.173	ng/ul	0.00
31) 4-Chloroaniline-d4	10.434	131	27044	1.568	ng/ul	0.00
46) Dimethylphthalate-d6	13.580	166	99414	2.895	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	110077	2.808	ng/ul	0.00
54) 4-Nitrophenol-d4	14.374	143	87	0.015	ng/ul	-0.02
60) Fluorene-d10	15.157	176	86281	2.908	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	3495	0.583	ng/ul	0.00
73) Anthracene-d10	17.004	188	133985	2.884	ng/ul	-0.01
81) Pyrene-d10	19.309	212	159115	2.749	ng/ul	-0.01
92) Benzo(a)pyrene-d12	23.727	264	124883	2.471	ng/ul	-0.02
Target Compounds					Qvalue	
30) Naphthalene	10.328	128	103540	2.589	ng/ul	98
52) Acenaphthene	14.222	153	373146	12.993	ng/ul	97
56) Dibenzofuran	14.557	168	261775	6.419	ng/ul	99
61) Fluorene	15.210	166	447316	13.424	ng/ul	98
72) Phenanthrene	16.951	178	1960330	37.518	ng/ul	99
74) Anthracene	17.039	178	878582	16.752	ng/ul	99
77) Carbazole	17.315	167	96561	2.075	ng/ul	96
80) Fluoranthene	18.980	202	4576142	68.800	ng/ul	100
82) Pyrene	19.339	202	3040423	42.943	ng/ul	98
85) Benzo(a)anthracene	21.121	228	654125	9.869	ng/ul	99
87) Chrysene	21.174	228	644294	10.648	ng/ul	100
90) Benzo(b)fluoranthene	23.045	252	365509	5.799	ng/ul	99
91) Benzo(k)fluoranthene	23.103	252	109804	1.747	ng/ul	99
93) Benzo(a)pyrene	23.786	252	186576	3.277	ng/ul	99
96) Benzo(g,h,i)perylene	27.944	276	50114	1.028	ng/ul	98

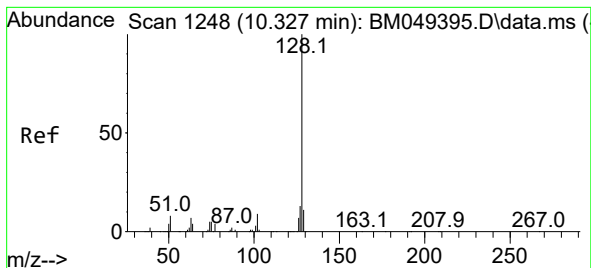
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

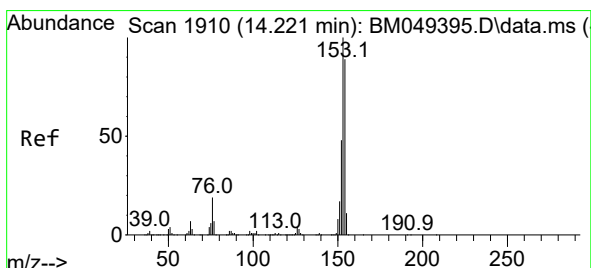
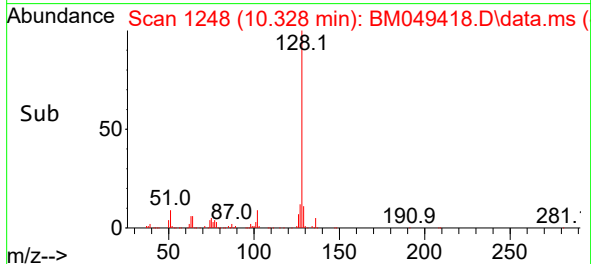
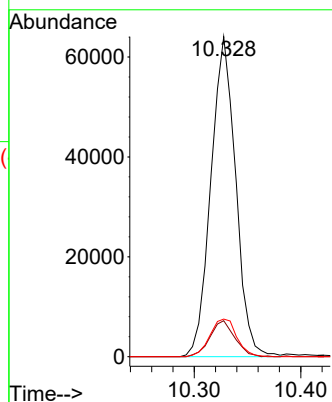
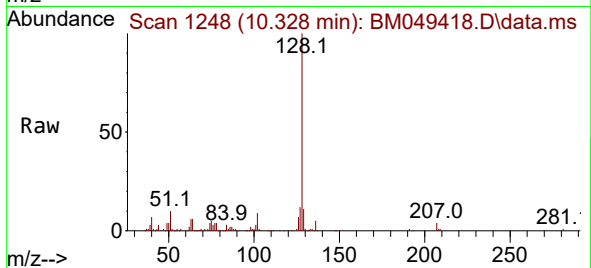




#30
Naphthalene
Concen: 2.589 ng/ul
RT: 10.328 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049418.D
Acq: 23 Jan 2025 14:13

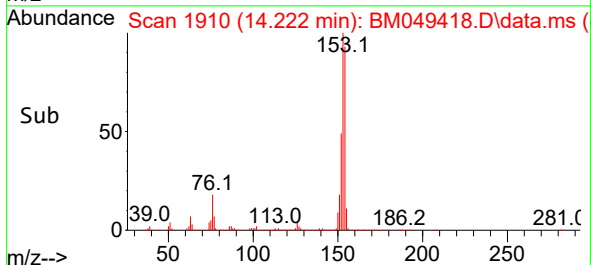
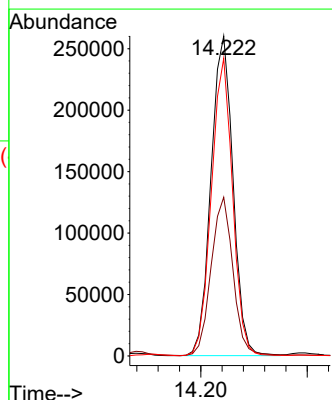
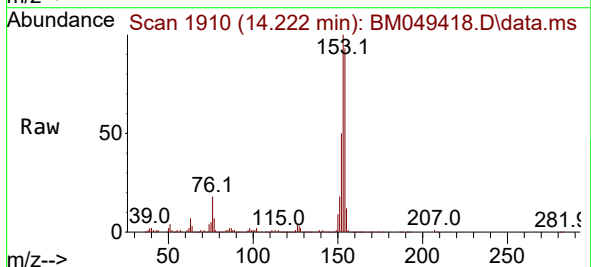
Instrument :
BNA_M
ClientSampleId :
DCZH8DL

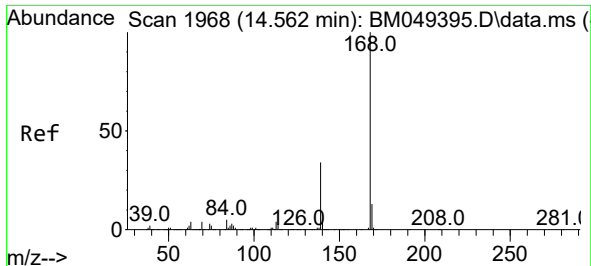
Tgt Ion:128 Resp: 103540
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 11.8 10.2 15.2



#52
Acenaphthene
Concen: 12.993 ng/ul
RT: 14.222 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BM049418.D
Acq: 23 Jan 2025 14:13

Tgt Ion:153 Resp: 373146
Ion Ratio Lower Upper
153 100
152 49.6 39.0 58.6
154 93.0 71.6 107.4

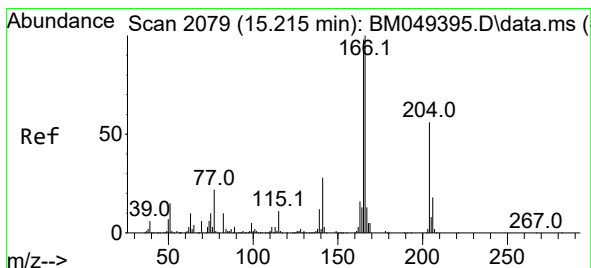
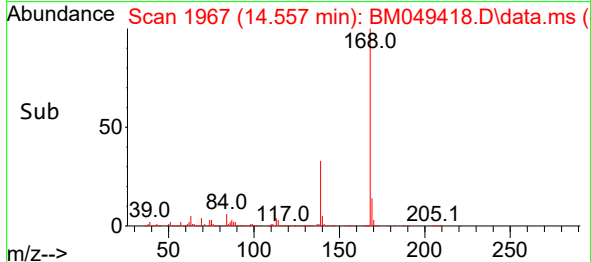
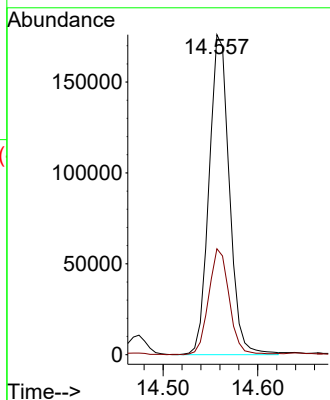
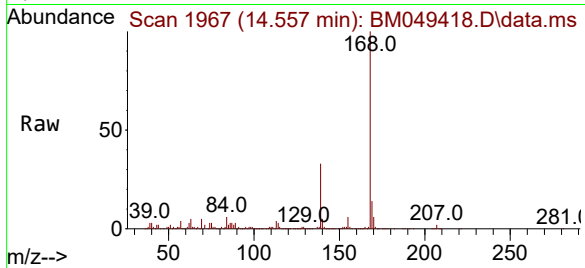




#56
 Dibenzofuran
 Concen: 6.419 ng/ul
 RT: 14.557 min Scan# 1967
 Delta R.T. -0.012 min
 Lab File: BM049418.D
 Acq: 23 Jan 2025 14:13

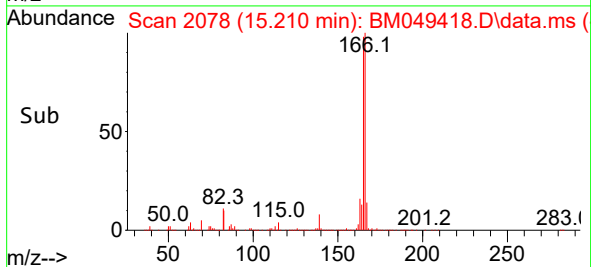
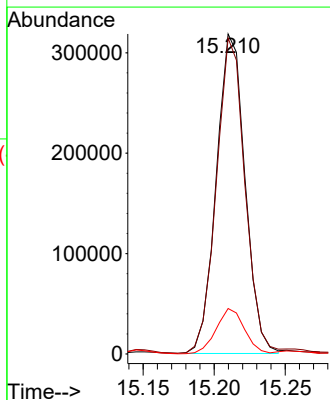
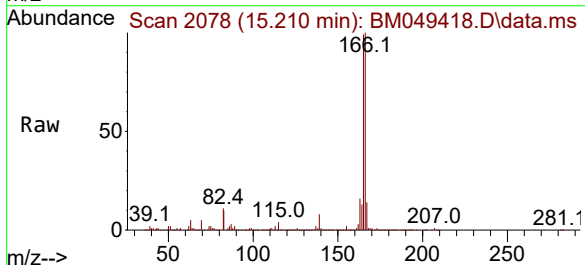
Instrument :
 BNA_M
 ClientSampleId :
 DCZH8DL

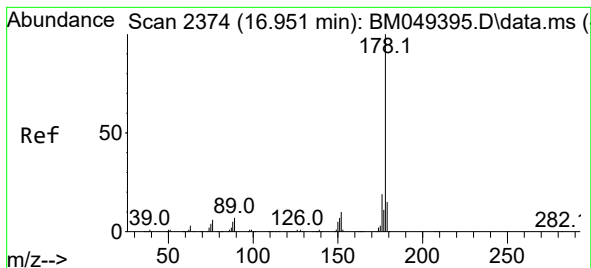
Tgt Ion:168 Resp: 261775
 Ion Ratio Lower Upper
 168 100
 139 33.1 27.0 40.4



#61
 Fluorene
 Concen: 13.424 ng/ul
 RT: 15.210 min Scan# 2078
 Delta R.T. -0.012 min
 Lab File: BM049418.D
 Acq: 23 Jan 2025 14:13

Tgt Ion:166 Resp: 447316
 Ion Ratio Lower Upper
 166 100
 165 98.7 77.7 116.5
 167 14.2 10.7 16.1





#72

Phenanthrene

Concen: 37.518 ng/ul

RT: 16.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049418.D

Acq: 23 Jan 2025 14:13

Instrument :

BNA_M

ClientSampleId :

DCZH8DL

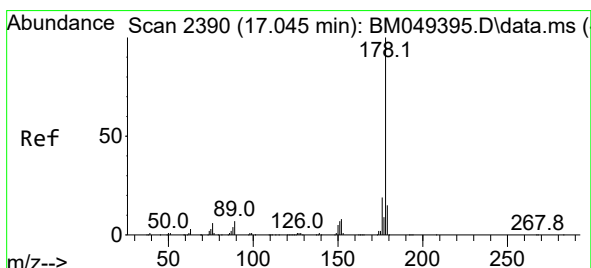
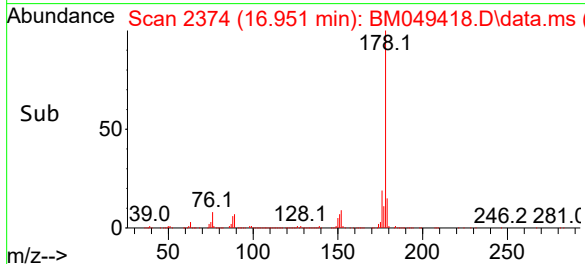
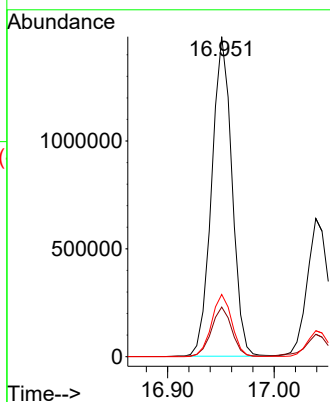
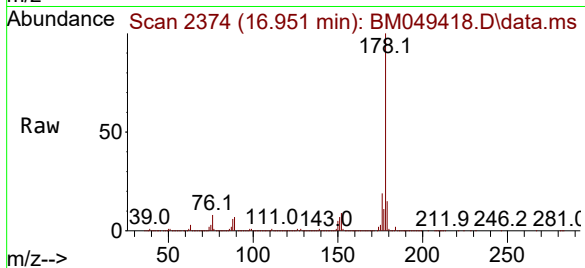
Tgt Ion:178 Resp: 1960330

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

176 19.5 15.4 23.2



#74

Anthracene

Concen: 16.752 ng/ul

RT: 17.039 min Scan# 2389

Delta R.T. -0.012 min

Lab File: BM049418.D

Acq: 23 Jan 2025 14:13

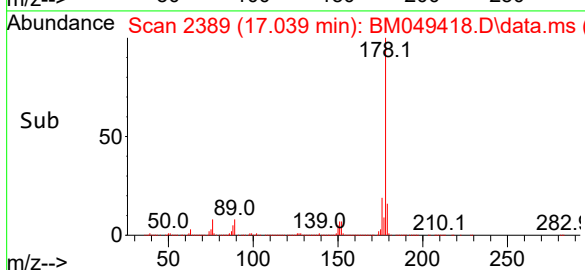
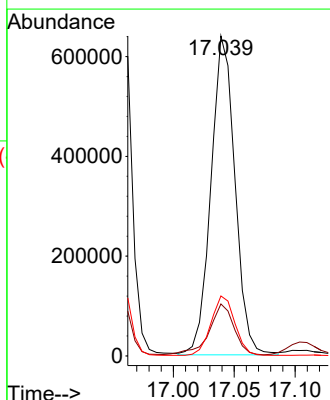
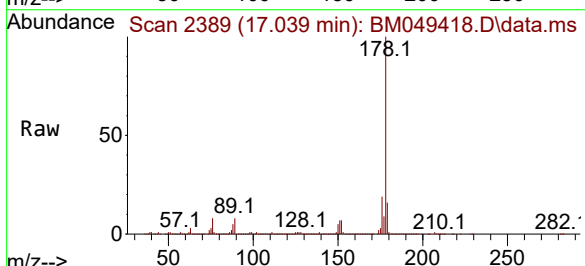
Tgt Ion:178 Resp: 878582

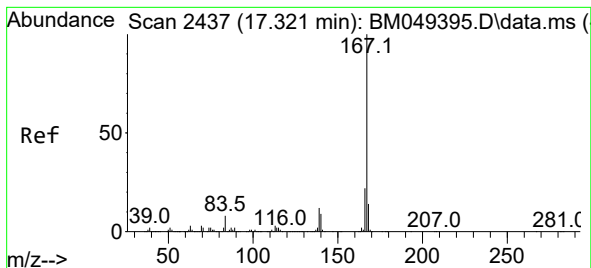
Ion Ratio Lower Upper

178 100

179 16.2 12.5 18.7

176 18.8 15.1 22.7





#77

Carbazole

Concen: 2.075 ng/ul

RT: 17.315 min Scan# 2436

Delta R.T. -0.012 min

Lab File: BM049418.D

Acq: 23 Jan 2025 14:13

Instrument :

BNA_M

ClientSampleId :

DCZH8DL

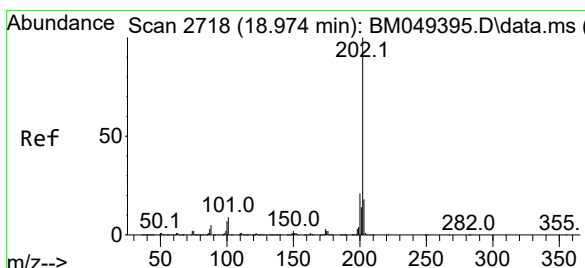
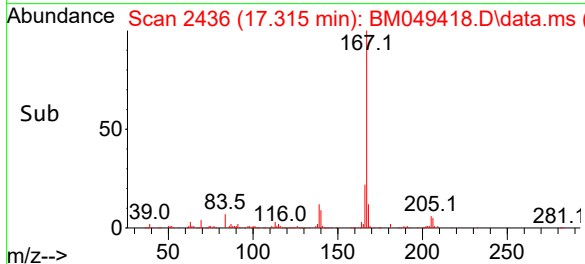
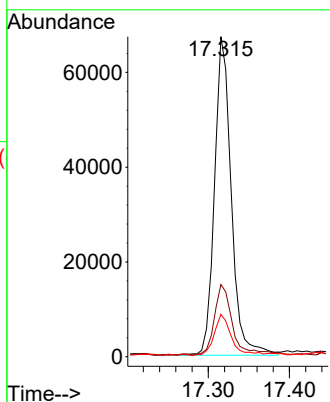
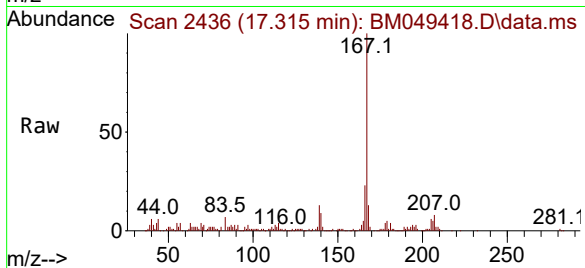
Tgt Ion:167 Resp: 96561

Ion Ratio Lower Upper

167 100

166 22.6 16.7 25.1

139 13.2 9.5 14.3



#80

Fluoranthene

Concen: 68.800 ng/ul

RT: 18.980 min Scan# 2719

Delta R.T. -0.006 min

Lab File: BM049418.D

Acq: 23 Jan 2025 14:13

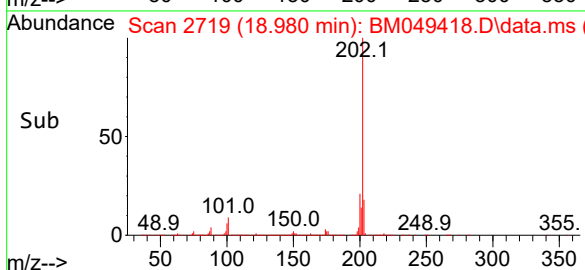
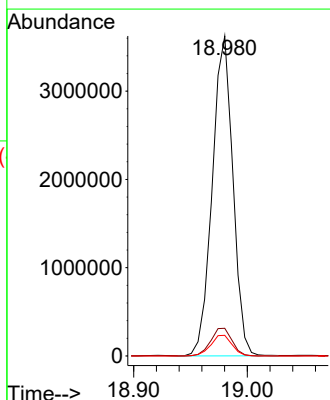
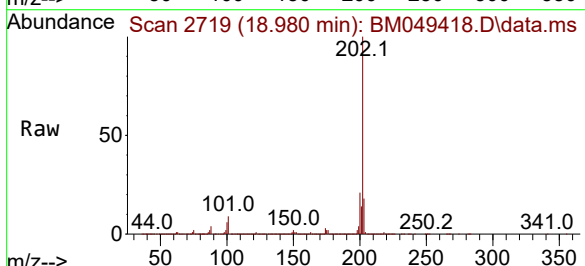
Tgt Ion:202 Resp: 4576142

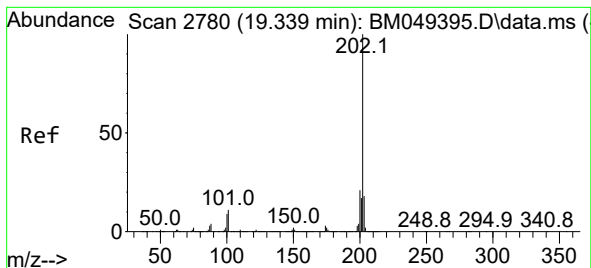
Ion Ratio Lower Upper

202 100

101 8.7 7.0 10.4

100 6.4 5.0 7.6





#82

Pyrene

Concen: 42.943 ng/ul

RT: 19.339 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049418.D

Acq: 23 Jan 2025 14:13

Instrument :

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ClientSampleId :

DCZH8DL

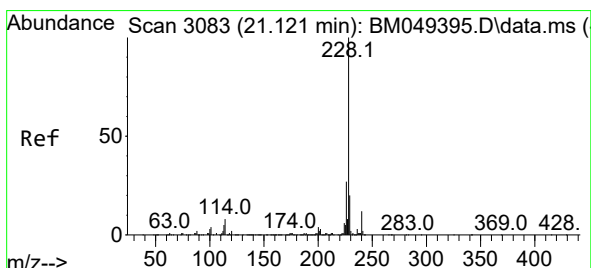
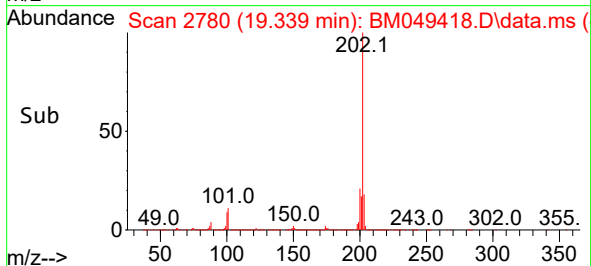
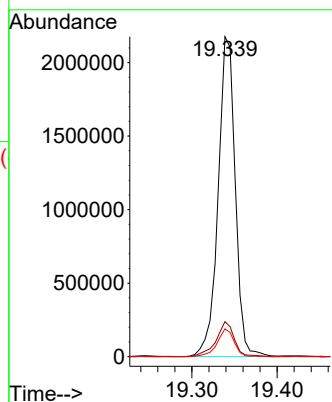
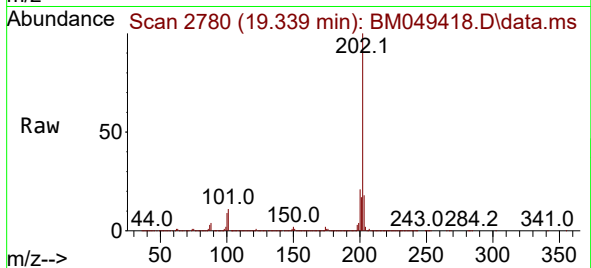
Tgt Ion:202 Resp: 3040423

Ion Ratio Lower Upper

202 100

101 11.0 7.8 11.8

100 8.7 6.6 10.0



#85

Benzo(a)anthracene

Concen: 9.869 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049418.D

Acq: 23 Jan 2025 14:13

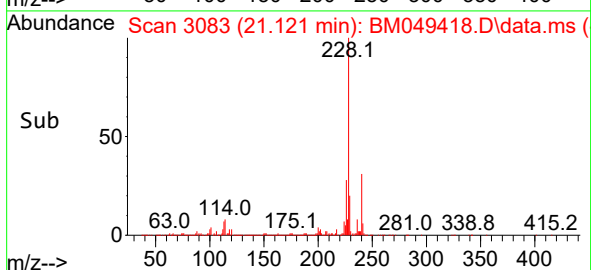
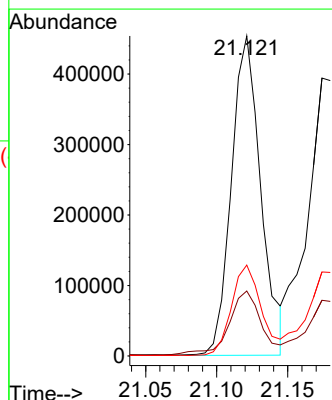
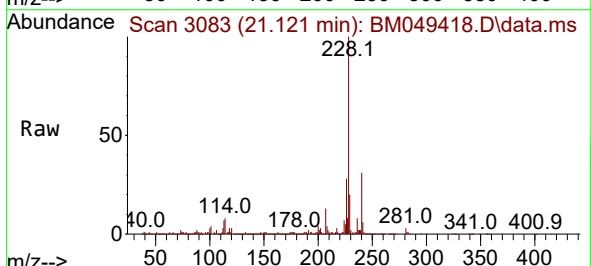
Tgt Ion:228 Resp: 654125

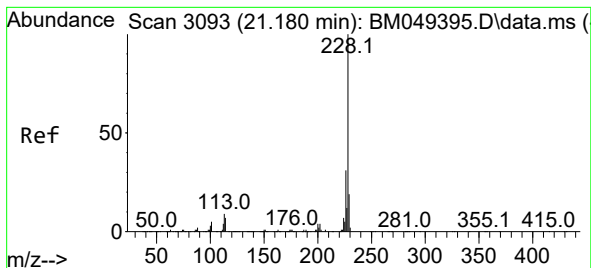
Ion Ratio Lower Upper

228 100

229 20.3 15.8 23.6

226 28.4 22.1 33.1





#87

Chrysene

Concen: 10.648 ng/ul

RT: 21.174 min Scan# 3092

Delta R.T. -0.012 min

Lab File: BM049418.D

Acq: 23 Jan 2025 14:13

Instrument :

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ClientSampleId :

DCZH8DL

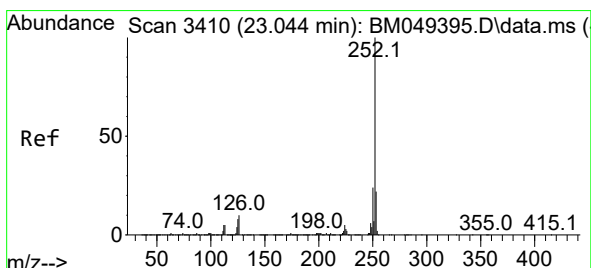
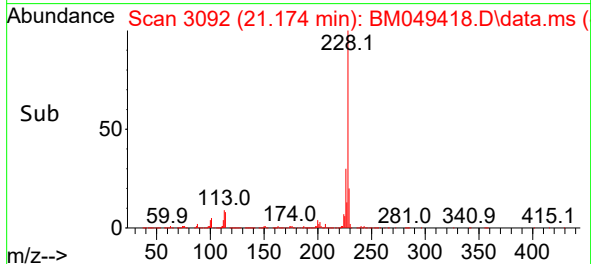
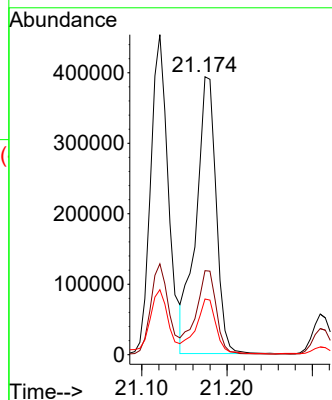
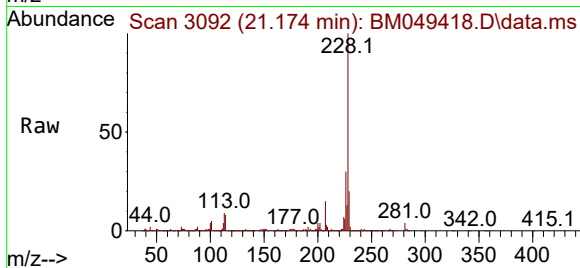
Tgt Ion:228 Resp: 644294

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 20.0 16.0 24.0



#90

Benzo(b)fluoranthene

Concen: 5.799 ng/ul

RT: 23.045 min Scan# 3410

Delta R.T. -0.012 min

Lab File: BM049418.D

Acq: 23 Jan 2025 14:13

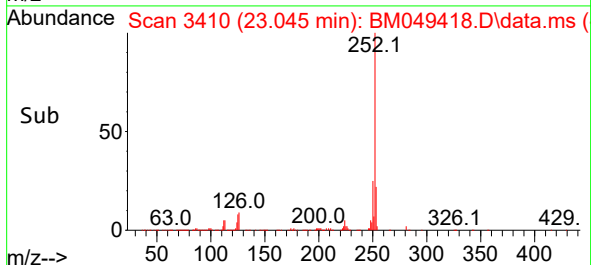
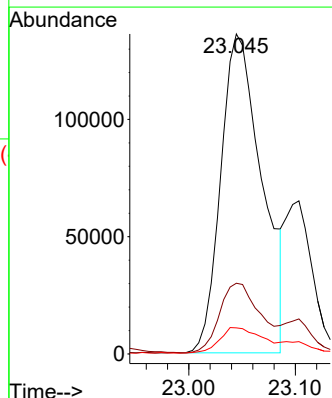
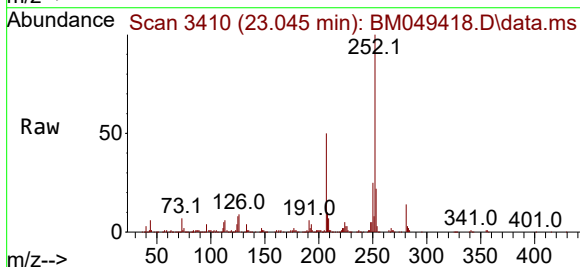
Tgt Ion:252 Resp: 365509

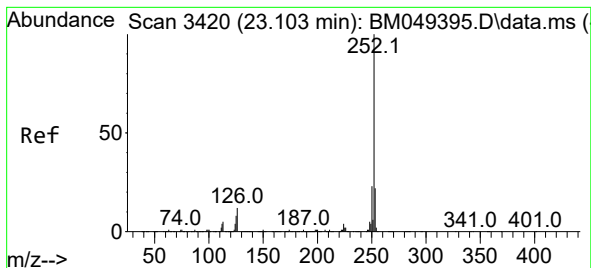
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 8.2 6.6 9.8





#91

Benzo(k)fluoranthene

Concen: 1.747 ng/ul

RT: 23.103 min Scan# 3420

Delta R.T. -0.012 min

Lab File: BM049418.D

Acq: 23 Jan 2025 14:13

Instrument :

BNA_M

ClientSampleId :

DCZH8DL

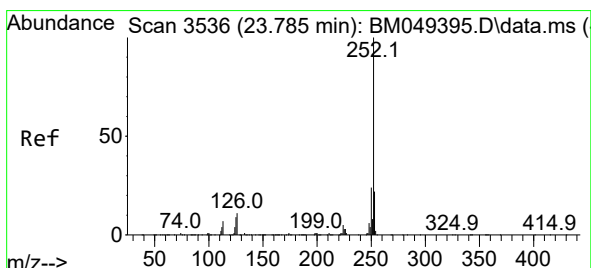
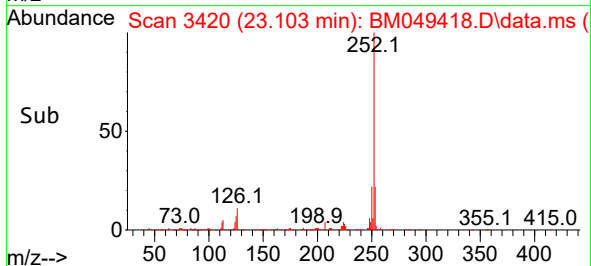
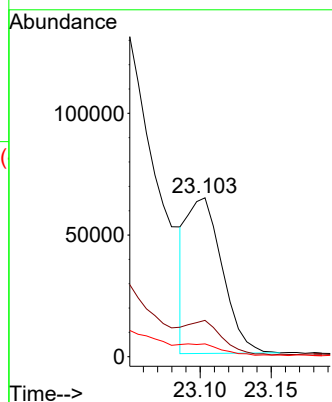
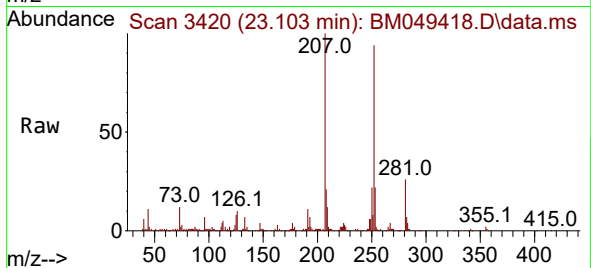
Tgt Ion:252 Resp: 109804

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 8.1 6.5 9.7



#93

Benzo(a)pyrene

Concen: 3.277 ng/ul

RT: 23.786 min Scan# 3536

Delta R.T. -0.012 min

Lab File: BM049418.D

Acq: 23 Jan 2025 14:13

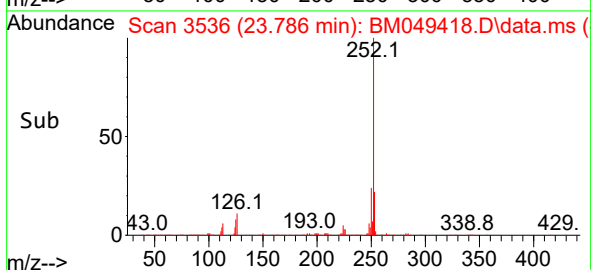
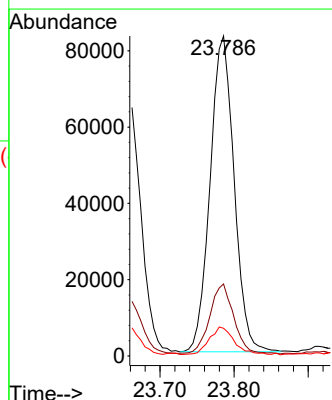
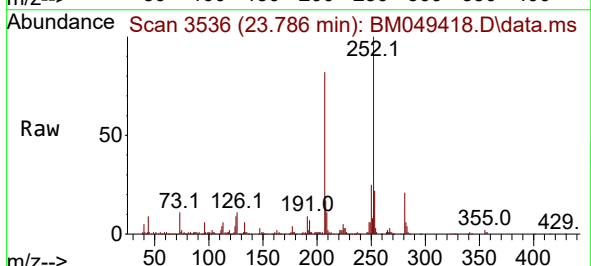
Tgt Ion:252 Resp: 186576

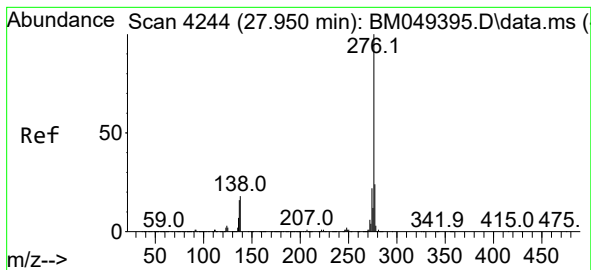
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

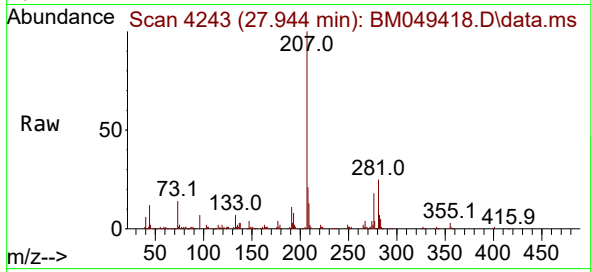
125 8.7 6.9 10.3





#96
 Benzo(g,h,i)perylene
 Concen: 1.028 ng/ul
 RT: 27.944 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: BM049418.D
 Acq: 23 Jan 2025 14:13

Instrument :
 BNA_M
 ClientSampleId :
 DCZH8DL



Tgt Ion:	276	Resp:	50114
Ion Ratio	Lower	Upper	
276	100		
138	16.1	14.1	21.1
277	24.3	19.4	29.0

