

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049413.D
 Acq On : 23 Jan 2025 10:59
 Operator : RC/JU
 Sample : Q1139-19DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZJ6DL

Quant Time: Jan 23 22:08:47 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

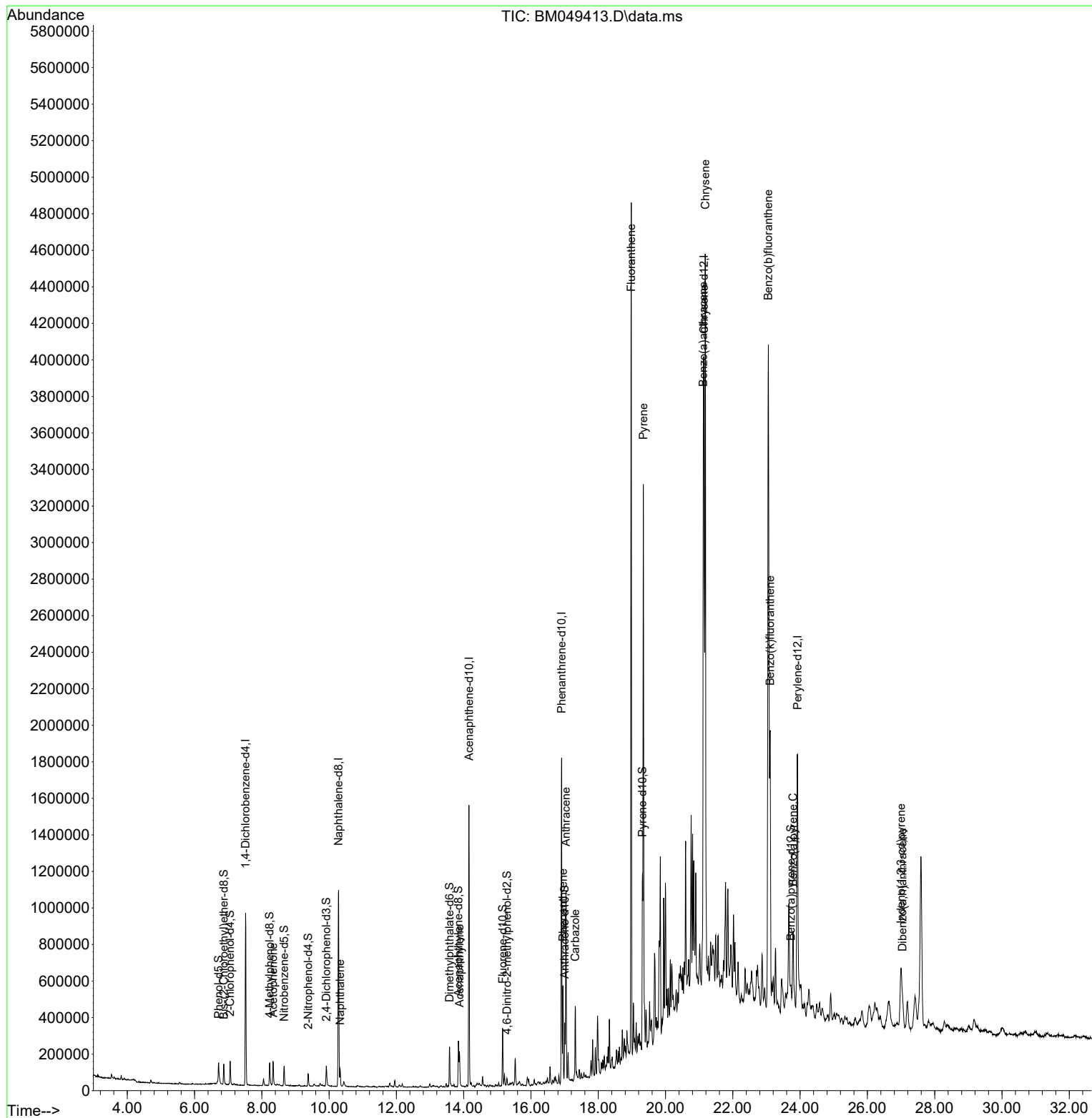
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	252278	20.000	ng/u1	0.00
20) Naphthalene-d8	10.280	136	880152	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.157	164	529296	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.909	188	1027247	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1152024	20.000	ng/u1	0.00
88) Perylene-d12	23.921	264	1207256	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	5190	0.851	ng/uL	0.00
4) Pyridine-d5	3.528	84	16292	0.839	ng/u1	0.02
7) Phenol-d5	6.716	99	67729	3.198	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	54562	3.869	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	58520	3.612	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	49536	3.016	ng/u1	0.00
21) Nitrobenzene-d5	8.663	128	24805	3.696	ng/u1	0.00
24) 2-Nitrophenol-d4	9.381	143	23289	3.104	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	48953	3.197	ng/u1	0.00
31) 4-Chloroaniline-d4	10.439	131	15584	0.774	ng/u1	0.01
46) Dimethylphthalate-d6	13.580	166	154191	3.914	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	169569	3.770	ng/u1	0.00
54) 4-Nitrophenol-d4	14.404	143	4950	0.759	ng/u1	0.01
60) Fluorene-d10	15.157	176	125047	3.674	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	7790	1.190	ng/u1	0.00
73) Anthracene-d10	17.004	188	187739	3.697	ng/u1	-0.01
81) Pyrene-d10	19.309	212	179009	2.553	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.727	264	105175	1.623	ng/u1	-0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.334	105	74098	2.763	ng/u1	94
30) Naphthalene	10.328	128	69622	1.491	ng/u1	98
50) Acenaphthylene	13.874	152	138137	2.996	ng/u1	99
72) Phenanthrene	16.951	178	301667	5.282	ng/u1	99
74) Anthracene	17.039	178	642312	11.205	ng/u1	99
77) Carbazole	17.315	167	264814	5.207	ng/u1	98
80) Fluoranthene	18.980	202	2796194	34.708	ng/u1	99
82) Pyrene	19.339	202	1984022	23.135	ng/u1	99
85) Benzo(a)anthracene	21.121	228	1584066	19.731	ng/u1	97
87) Chrysene	21.180	228	2762488	37.691	ng/u1	99
90) Benzo(b)fluoranthene	23.056	252	3712331	45.942	ng/u1	99
91) Benzo(k)fluoranthene	23.109	252	1093030	13.566	ng/u1	97
93) Benzo(a)pyrene	23.791	252	431514	5.912	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	26.997	276	457478	5.464	ng/u1	97
95) Dibenzo(a,h)anthracene	27.044	278	206340	3.026	ng/u1	94

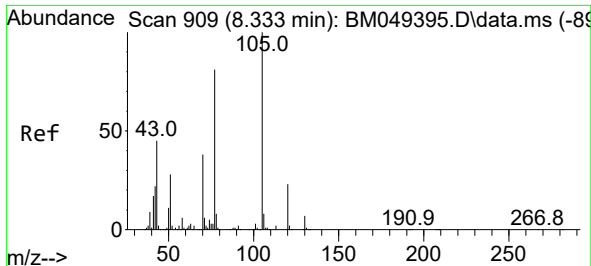
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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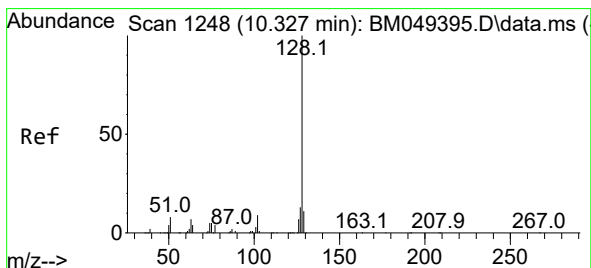
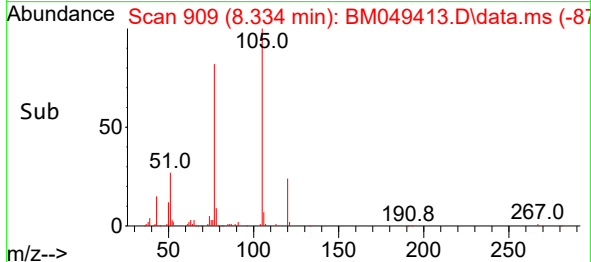
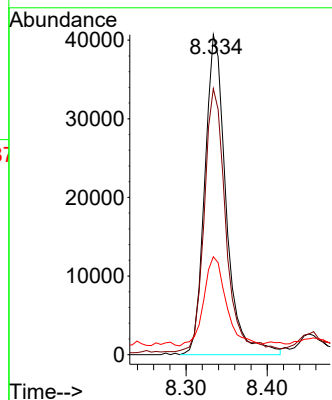
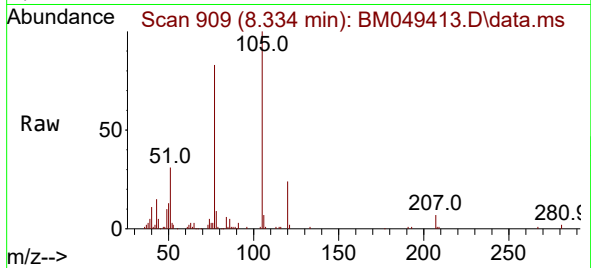




#16
Acetophenone
Concen: 2.763 ng/ul
RT: 8.334 min Scan# 909
Delta R.T. -0.006 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59

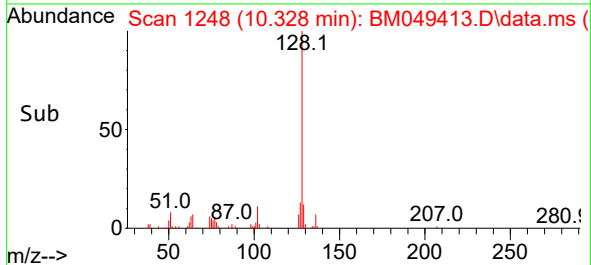
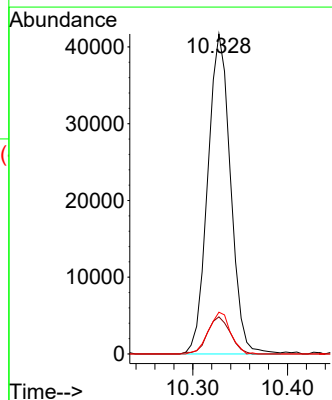
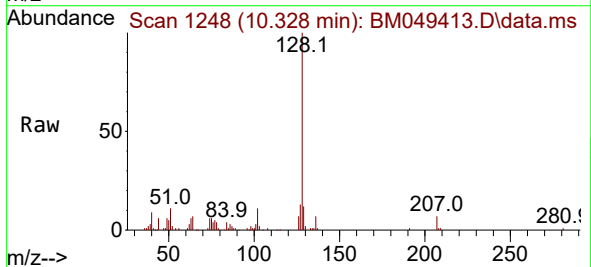
Instrument :
BNA_M
ClientSampleId :
DCZJ6DL

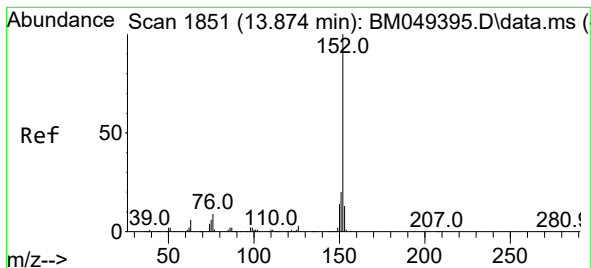
Tgt Ion:105 Resp: 74098
Ion Ratio Lower Upper
105 100
77 83.2 63.2 94.8
51 30.6 20.9 31.3



#30
Naphthalene
Concen: 1.491 ng/ul
RT: 10.328 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59

Tgt Ion:128 Resp: 69622
Ion Ratio Lower Upper
128 100
129 11.6 8.5 12.7
127 13.0 10.2 15.2





#50

Acenaphthylene

Concen: 2.996 ng/ul

RT: 13.874 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BM049413.D

Acq: 23 Jan 2025 10:59

Instrument :

BNA_M

ClientSampleId :

DCZJ6DL

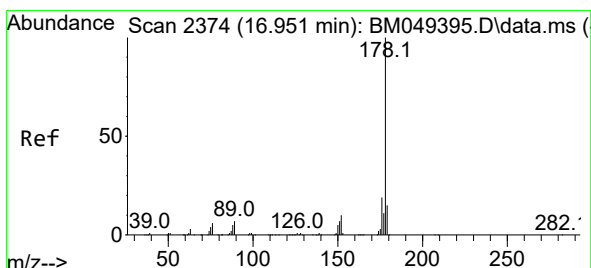
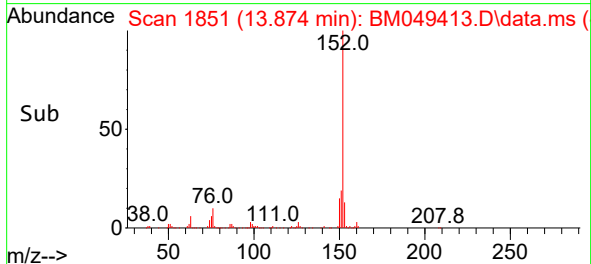
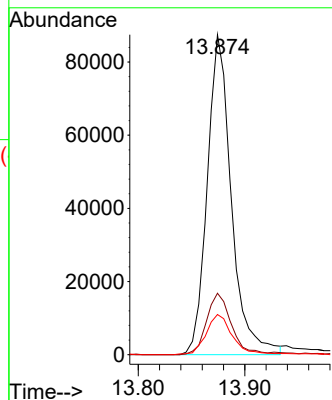
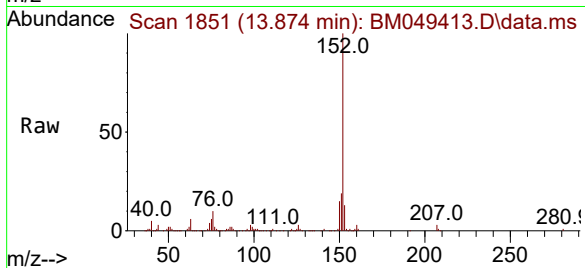
Tgt Ion:152 Resp: 138137

Ion Ratio Lower Upper

152 100

151 19.2 15.8 23.8

153 12.5 10.6 15.8



#72

Phenanthrene

Concen: 5.282 ng/ul

RT: 16.951 min Scan# 2374

Delta R.T. -0.006 min

Lab File: BM049413.D

Acq: 23 Jan 2025 10:59

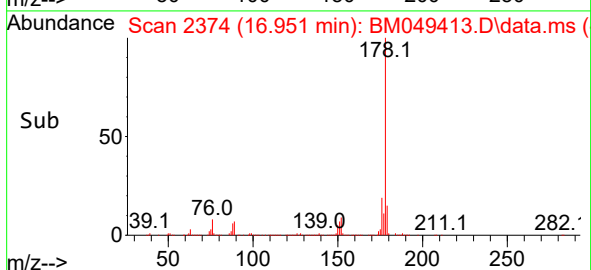
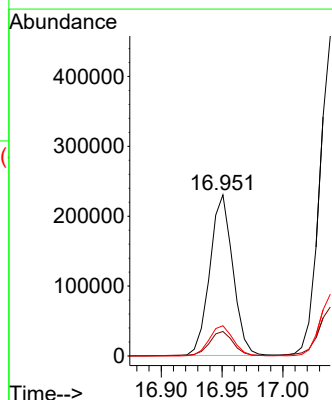
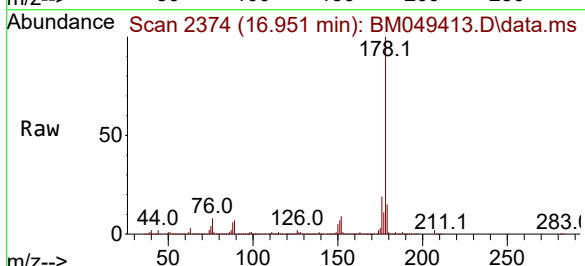
Tgt Ion:178 Resp: 301667

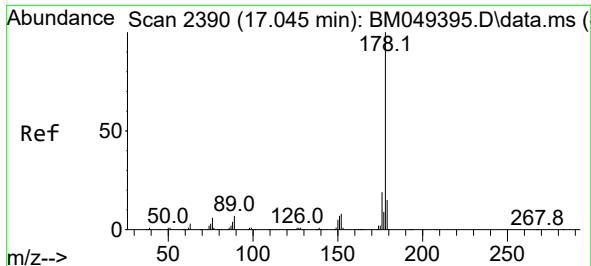
Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

176 18.8 15.4 23.2

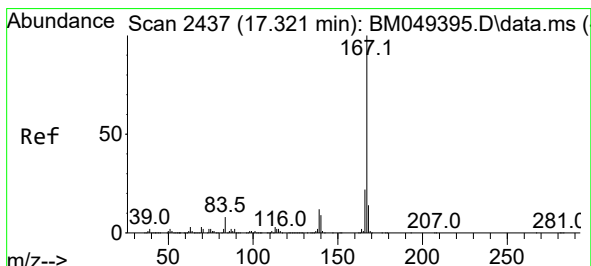
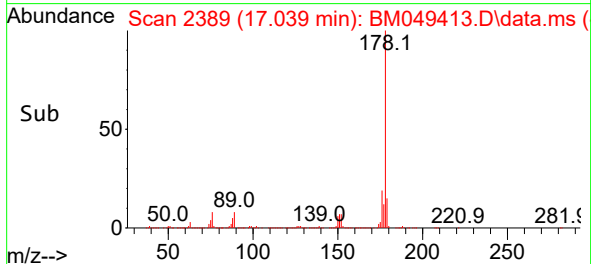
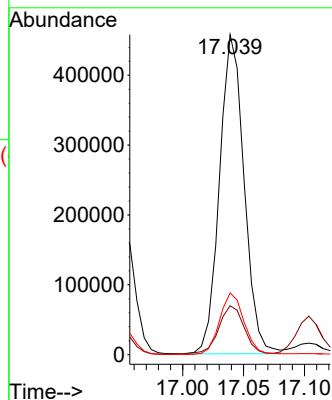
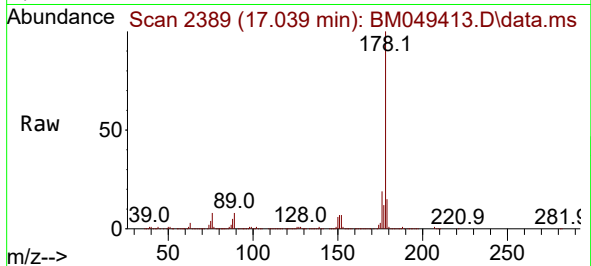




#74
 Anthracene
 Concen: 11.205 ng/ul
 RT: 17.039 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM049413.D
 Acq: 23 Jan 2025 10:59

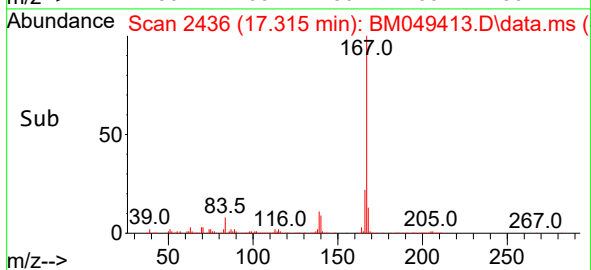
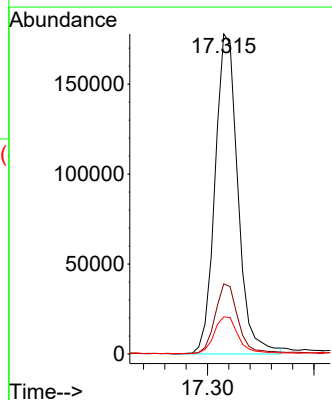
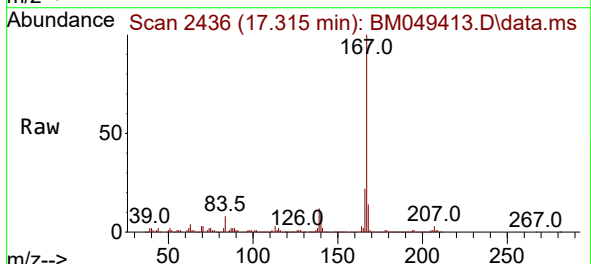
Instrument :
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 ClientSampleId :
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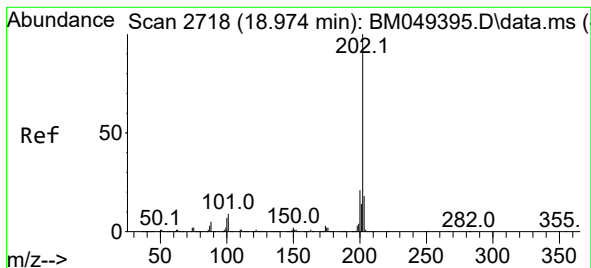
Tgt Ion:178 Resp: 642312
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.5 18.7
 176 19.3 15.1 22.7



#77
 Carbazole
 Concen: 5.207 ng/ul
 RT: 17.315 min Scan# 2436
 Delta R.T. -0.012 min
 Lab File: BM049413.D
 Acq: 23 Jan 2025 10:59

Tgt Ion:167 Resp: 264814
 Ion Ratio Lower Upper
 167 100
 166 21.9 16.7 25.1
 139 11.6 9.5 14.3





#80

Fluoranthene

Concen: 34.708 ng/ul

RT: 18.980 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049413.D

Acq: 23 Jan 2025 10:59

Instrument :

BNA_M

ClientSampleId :

DCZJ6DL

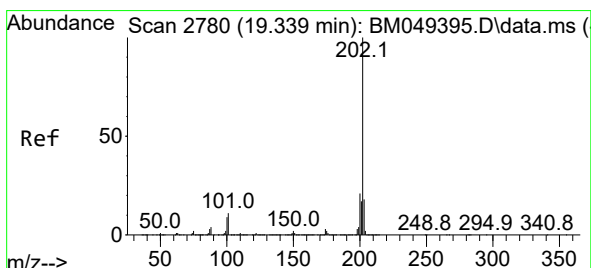
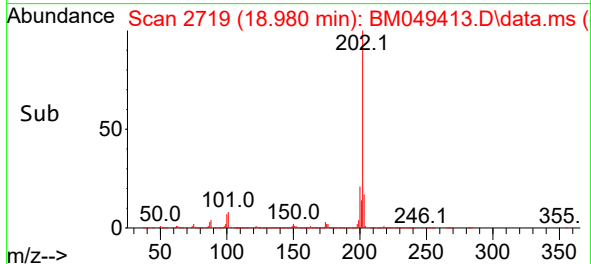
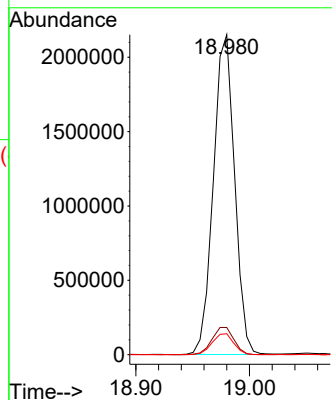
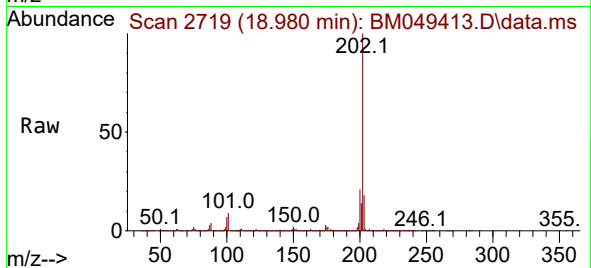
Tgt Ion:202 Resp: 2796194

Ion Ratio Lower Upper

202 100

101 8.5 7.0 10.4

100 6.6 5.0 7.6



#82

Pyrene

Concen: 23.135 ng/ul

RT: 19.339 min Scan# 2780

Delta R.T. -0.012 min

Lab File: BM049413.D

Acq: 23 Jan 2025 10:59

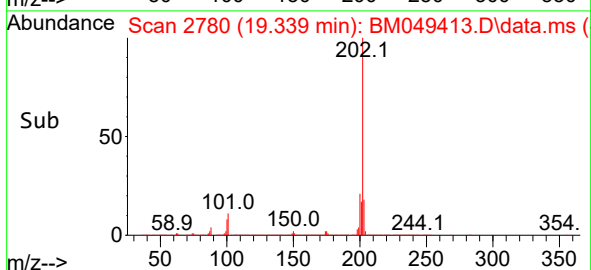
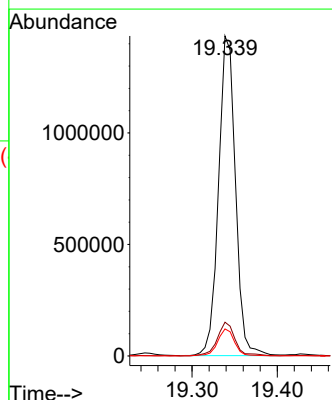
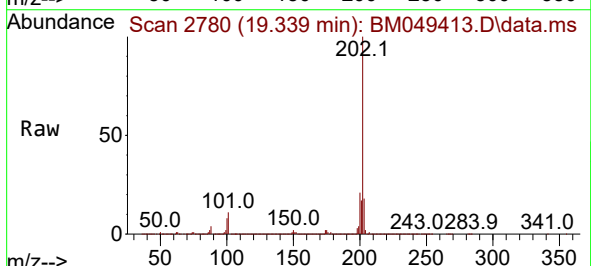
Tgt Ion:202 Resp: 1984022

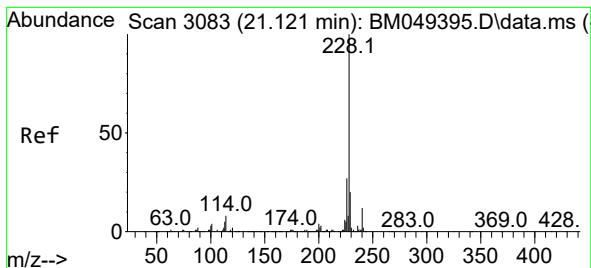
Ion Ratio Lower Upper

202 100

101 10.5 7.8 11.8

100 8.5 6.6 10.0





#85

Benzo(a)anthracene

Concen: 19.731 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049413.D

Acq: 23 Jan 2025 10:59

Instrument :

BNA_M

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DCZJ6DL

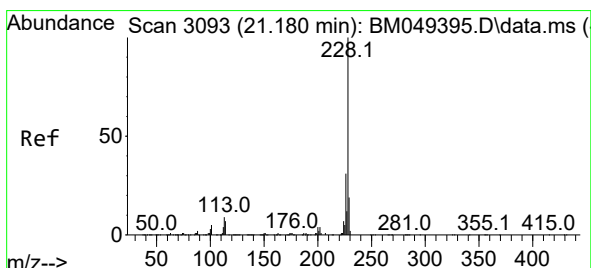
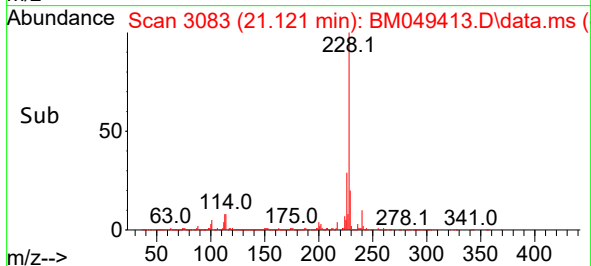
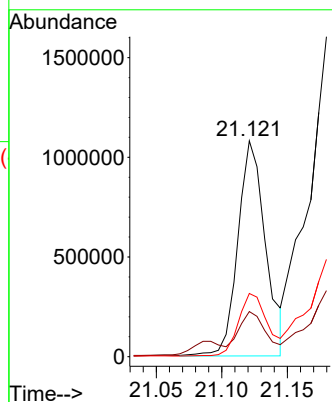
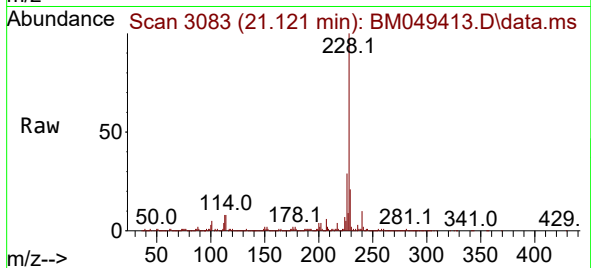
Tgt Ion:228 Resp: 1584066

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.6

226 29.3 22.1 33.1



#87

Chrysene

Concen: 37.691 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BM049413.D

Acq: 23 Jan 2025 10:59

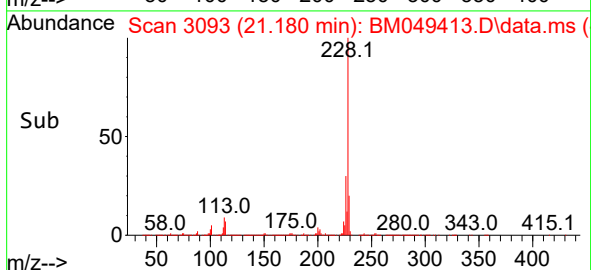
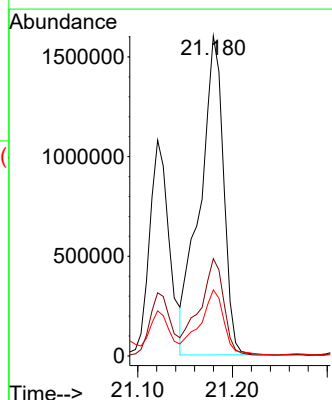
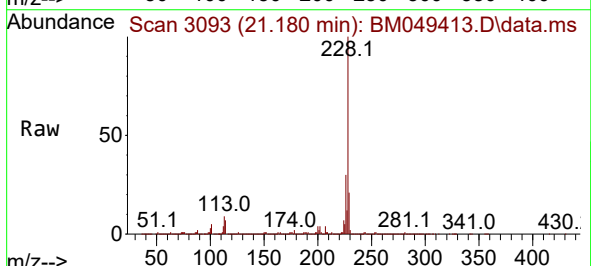
Tgt Ion:228 Resp: 2762488

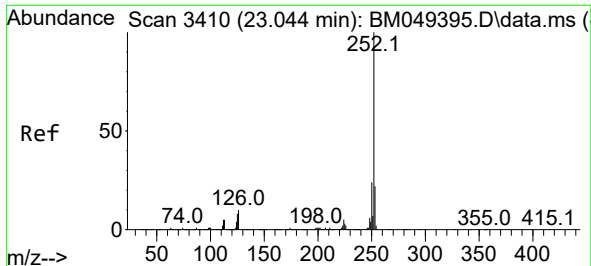
Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 20.7 16.0 24.0

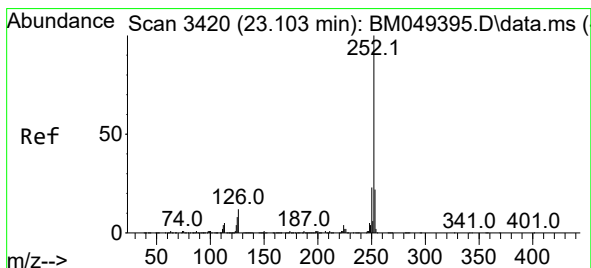
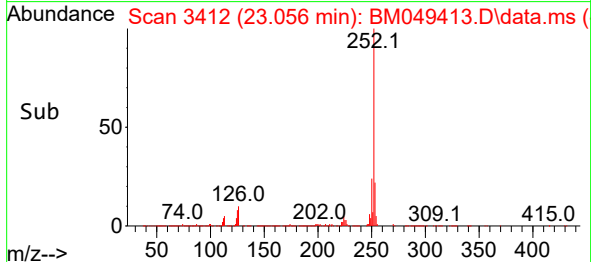
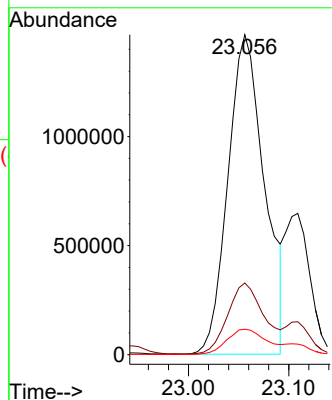
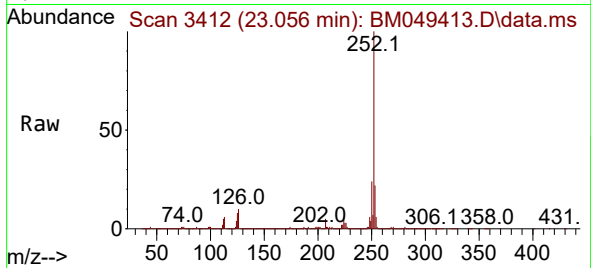




#90
Benzo(b)fluoranthene
Concen: 45.942 ng/ul
RT: 23.056 min Scan# 3410
Delta R.T. -0.000 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59

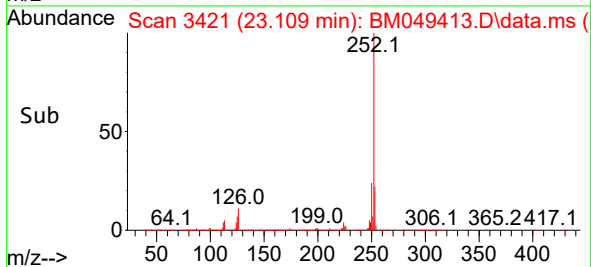
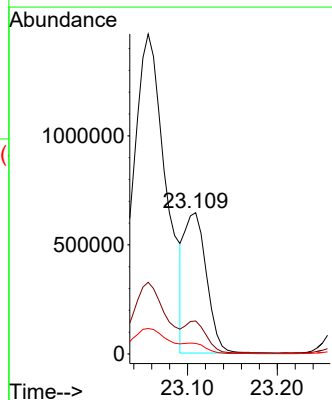
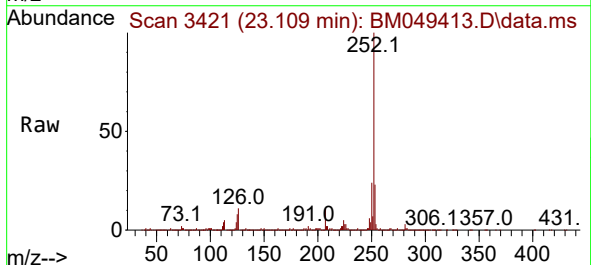
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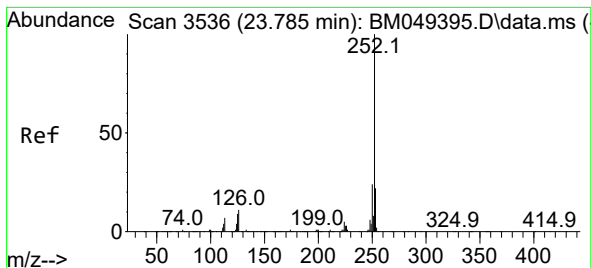
Tgt Ion:252 Resp: 3712331
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 7.9 6.6 9.8



#91
Benzo(k)fluoranthene
Concen: 13.566 ng/ul
RT: 23.109 min Scan# 3421
Delta R.T. -0.006 min
Lab File: BM049413.D
Acq: 23 Jan 2025 10:59

Tgt Ion:252 Resp: 1093030
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 7.5 6.5 9.7





#93

Benzo(a)pyrene

Concen: 5.912 ng/ul

RT: 23.791 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049413.D

Acq: 23 Jan 2025 10:59

Instrument :

BNA_M

ClientSampleId :

DCZJ6DL

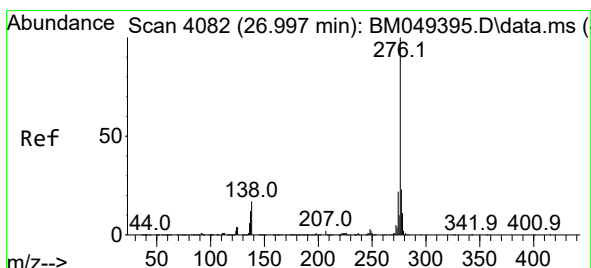
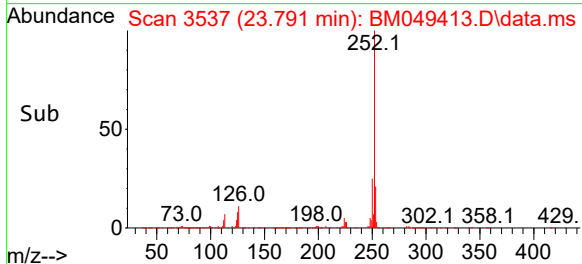
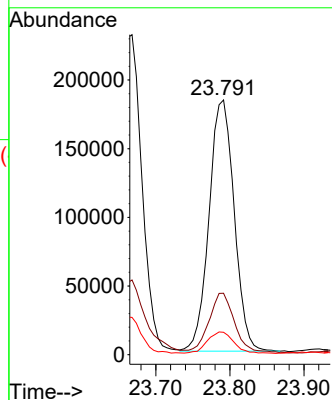
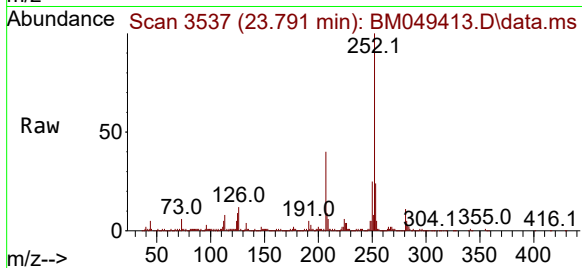
Tgt Ion:252 Resp: 431514

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.2

125 8.8 6.9 10.3



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.464 ng/ul

RT: 26.997 min Scan# 4082

Delta R.T. -0.024 min

Lab File: BM049413.D

Acq: 23 Jan 2025 10:59

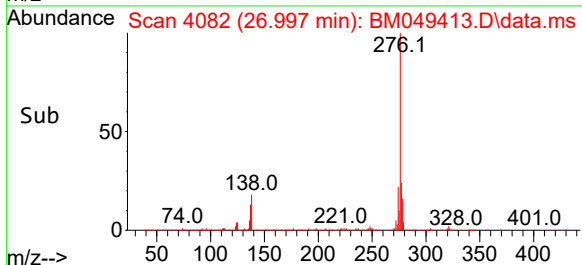
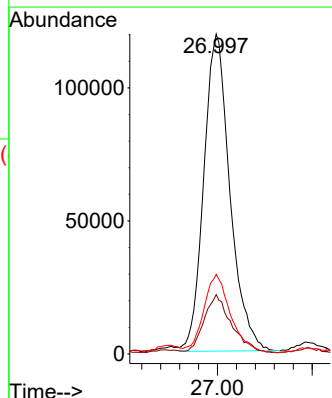
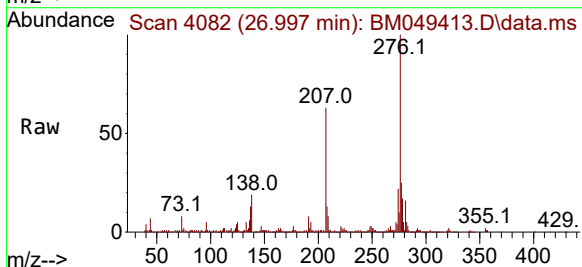
Tgt Ion:276 Resp: 457478

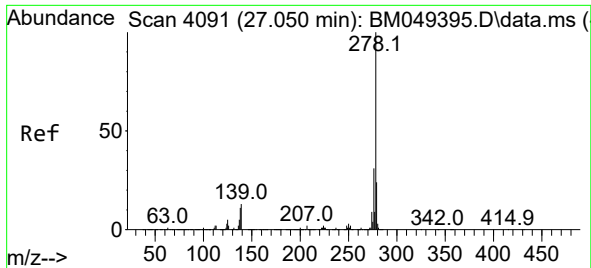
Ion Ratio Lower Upper

276 100

138 18.5 13.4 20.0

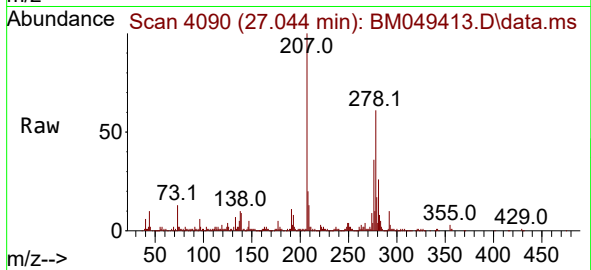
277 24.8 19.1 28.7





#95
 Dibenzo(a,h)anthracene
 Concen: 3.026 ng/ul
 RT: 27.044 min Scan# 4090
 Delta R.T. -0.029 min
 Lab File: BM049413.D
 Acq: 23 Jan 2025 10:59

Instrument :
 BNA_M
 ClientSampleId :
 DCZJ6DL



Tgt Ion:278 Resp: 206340
 Ion Ratio Lower Upper
 278 100
 139 14.8 9.9 14.9
 279 27.3 19.4 29.0

