

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049419.D
 Acq On : 23 Jan 2025 14:52
 Operator : RC/JU
 Sample : Q1139-08DL 10X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH5DL

Quant Time: Jan 23 22:10:28 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)

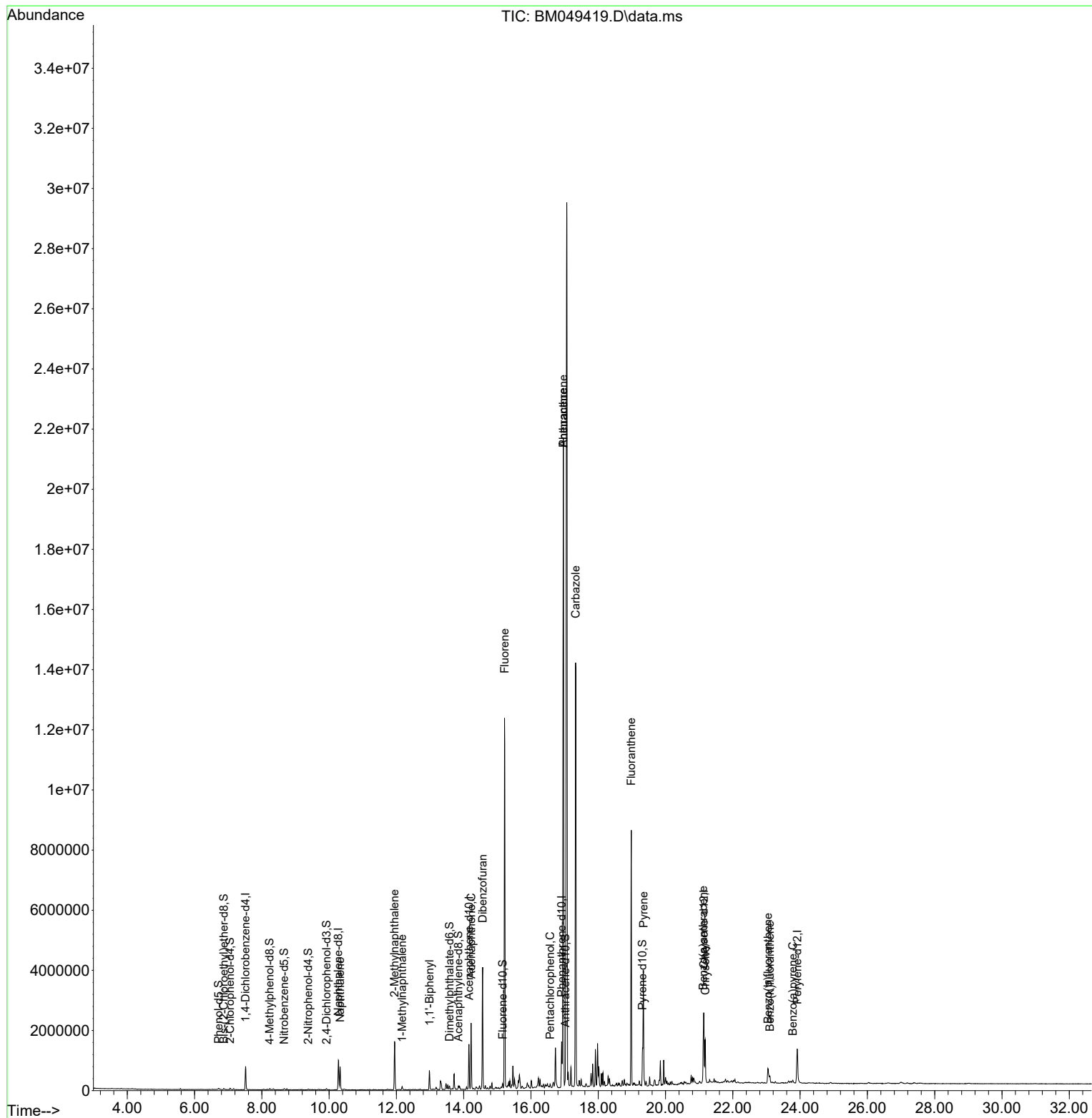
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	209698	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	762085	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.157	164	484688	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1024835	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1050536	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	1032625	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	2395	0.473	ng/uL	0.00
4) Pyridine-d5	3.499	84	364	0.023	ng/u1	-0.01
7) Phenol-d5	6.716	99	25465	1.447	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	20772	1.772	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	21564	1.601	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	16620	1.218	ng/u1	0.00
21) Nitrobenzene-d5	8.663	128	8325	1.433	ng/u1	0.00
24) 2-Nitrophenol-d4	9.375	143	8395	1.292	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.922	165	18699	1.411	ng/u1	0.00
31) 4-Chloroaniline-d4	10.398	131	6632	0.380	ng/u1	-0.03
46) Dimethylphthalate-d6	13.580	166	72533	2.011	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	73172	1.777	ng/u1	0.00
54) 4-Nitrophenol-d4	14.374	143	840	0.141	ng/u1	-0.02
60) Fluorene-d10	15.157	176	61554	1.975	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.292	200	2086	0.319	ng/u1	0.00
73) Anthracene-d10	17.021	188	105349	2.079	ng/u1	0.00
81) Pyrene-d10	19.309	212	98091	1.534	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.727	264	54511	0.983	ng/u1	-0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.328	128	581396	14.375	ng/u1	99
36) 2-Methylnaphthalene	11.945	142	781978	27.019	ng/u1	99
37) 1-Methylnaphthalene	12.169	142	52899	1.837	ng/u1#	98
43) 1,1'-Biphenyl	12.980	154	340428	9.593	ng/u1	98
52) Acenaphthene	14.221	153	839523	27.831	ng/u1	100
56) Dibenzofuran	14.563	168	2555159	59.649	ng/u1	99
61) Fluorene	15.216	166	5782984	165.232	ng/u1	99
71) Pentachlorophenol	16.568	266	9289	1.035	ng/u1	95
72) Phenanthrene	16.957	178	14656398	257.244	ng/u1	95
74) Anthracene	16.957	178	14656398	256.287	ng/u1	95
77) Carbazole	17.327	167	10319589	203.387	ng/u1	99
80) Fluoranthene	18.980	202	4853884	66.070	ng/u1	99
82) Pyrene	19.345	202	2467219	31.549	ng/u1	99
85) Benzo(a)anthracene	21.121	228	692291	9.456	ng/u1	99
87) Chrysene	21.180	228	927462	13.877	ng/u1	99
90) Benzo(b)fluoranthene	23.044	252	536361	7.760	ng/u1	97
91) Benzo(k)fluoranthene	23.097	252	160062	2.323	ng/u1	100
93) Benzo(a)pyrene	23.780	252	97775	1.566	ng/u1	99

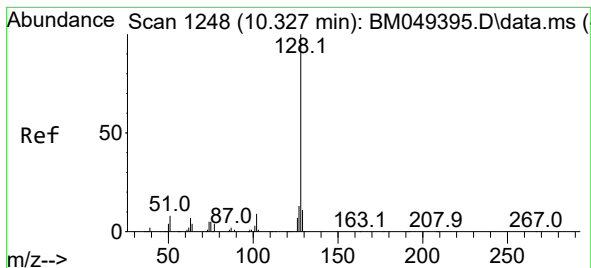
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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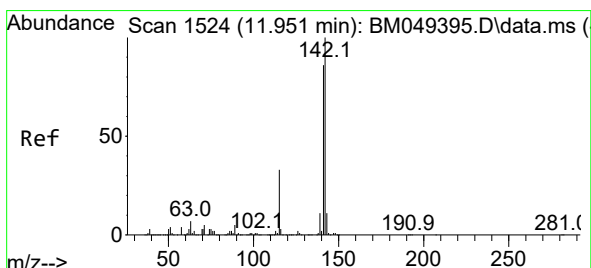
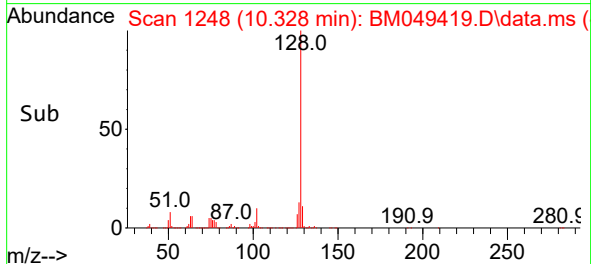
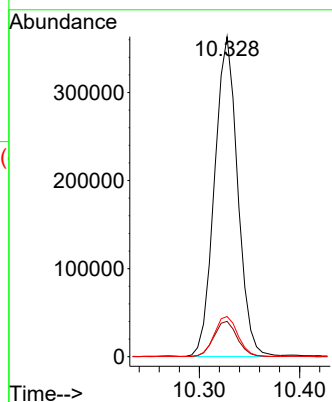
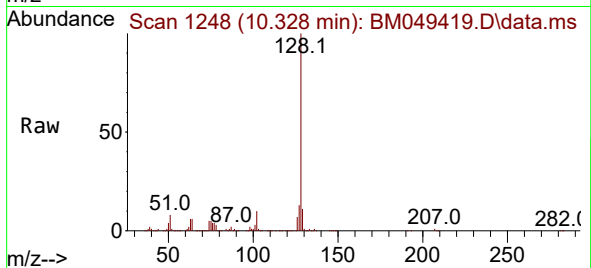




#30
Naphthalene
Concen: 14.375 ng/ul
RT: 10.328 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BM049419.D
Acq: 23 Jan 2025 14:52

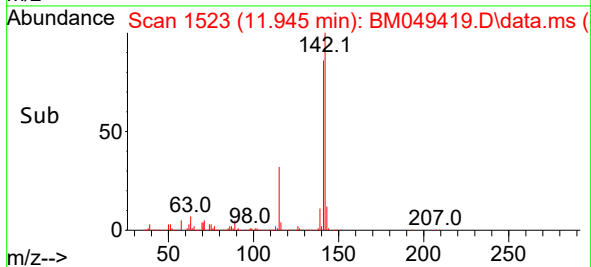
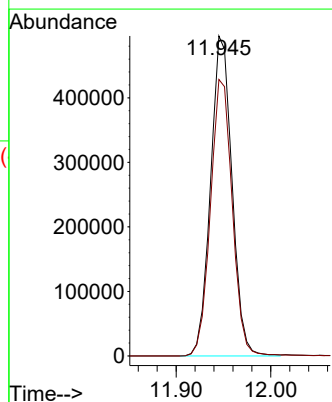
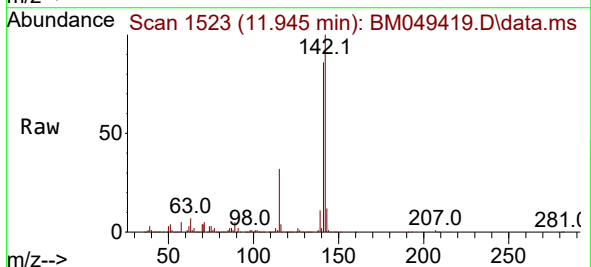
Instrument :
BNA_M
ClientSampleId :
DCZH5DL

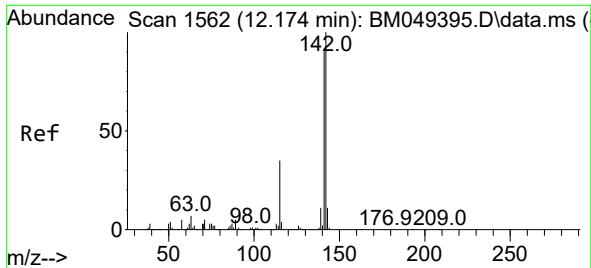
Tgt Ion:128 Resp: 581396
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 12.6 10.2 15.2



#36
2-Methylnaphthalene
Concen: 27.019 ng/ul
RT: 11.945 min Scan# 1523
Delta R.T. -0.012 min
Lab File: BM049419.D
Acq: 23 Jan 2025 14:52

Tgt Ion:142 Resp: 781978
Ion Ratio Lower Upper
142 100
141 86.4 69.6 104.4





#37

1-Methylnaphthalene

Concen: 1.837 ng/ul

RT: 12.169 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049419.D

Acq: 23 Jan 2025 14:52

Instrument :

BNA_M

ClientSampleId :

DCZH5DL

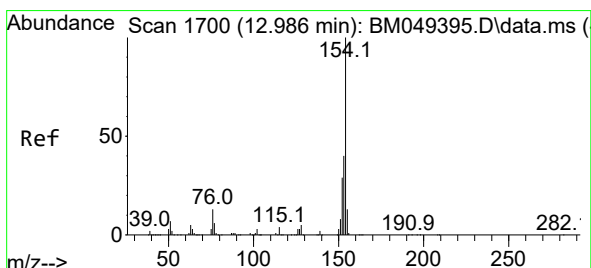
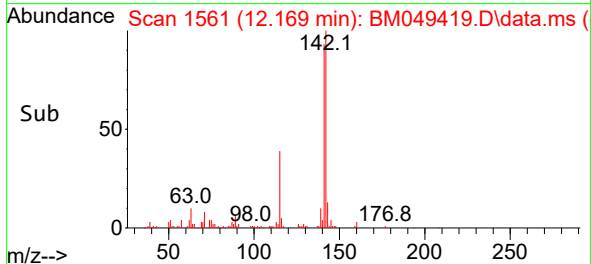
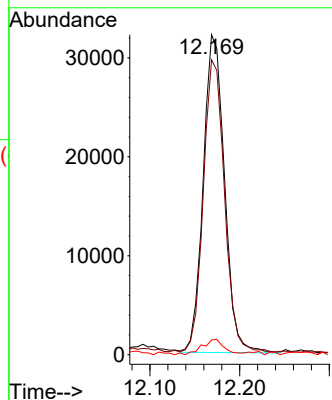
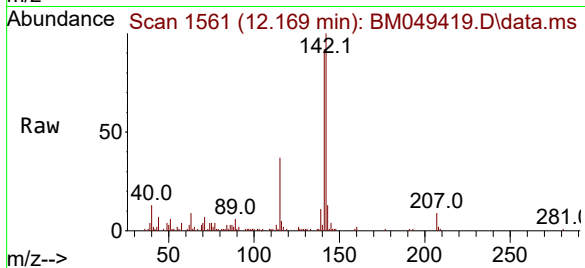
Tgt Ion:142 Resp: 52899

Ion Ratio Lower Upper

142 100

141 92.1 71.9 107.9

116 4.6 2.8 4.2#



#43

1,1'-Biphenyl

Concen: 9.593 ng/ul

RT: 12.980 min Scan# 1699

Delta R.T. -0.012 min

Lab File: BM049419.D

Acq: 23 Jan 2025 14:52

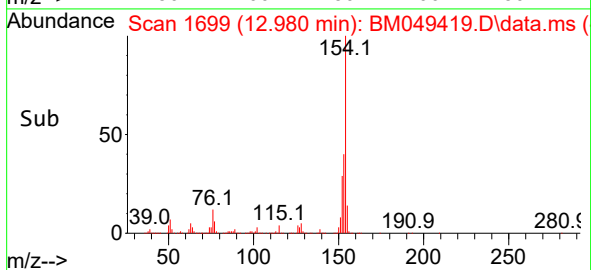
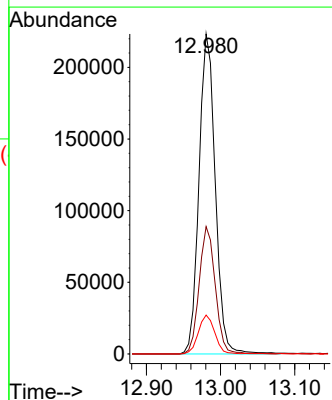
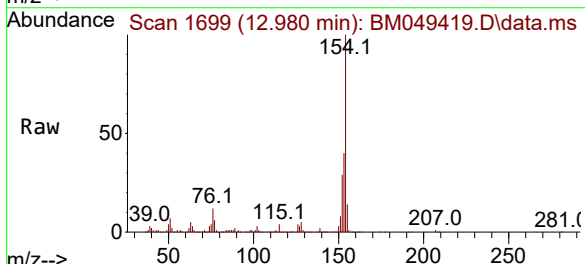
Tgt Ion:154 Resp: 340428

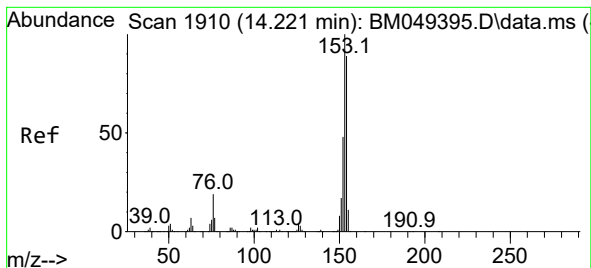
Ion Ratio Lower Upper

154 100

153 39.8 31.0 46.4

76 12.2 9.1 13.7





#52

Acenaphthene

Concen: 27.831 ng/ul

RT: 14.221 min Scan# 1910

Delta R.T. -0.006 min

Lab File: BM049419.D

Acq: 23 Jan 2025 14:52

Instrument :

BNA_M

ClientSampleId :

DCZH5DL

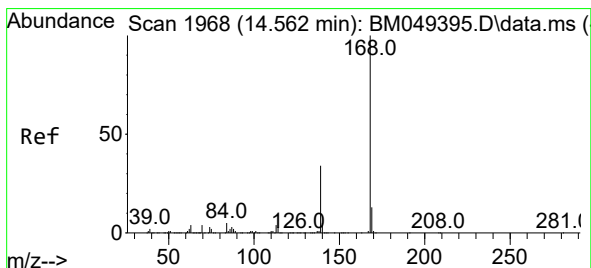
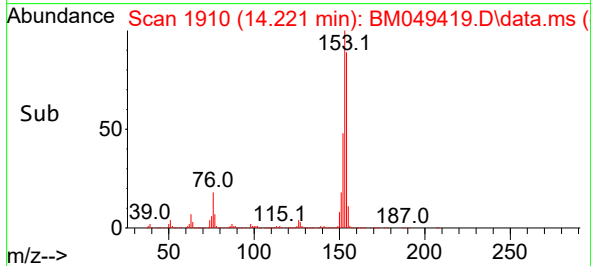
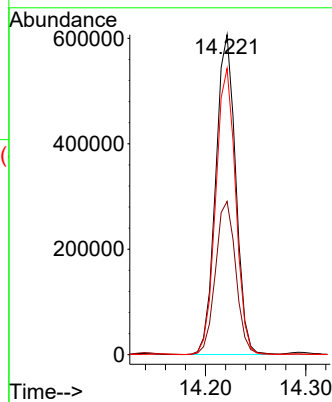
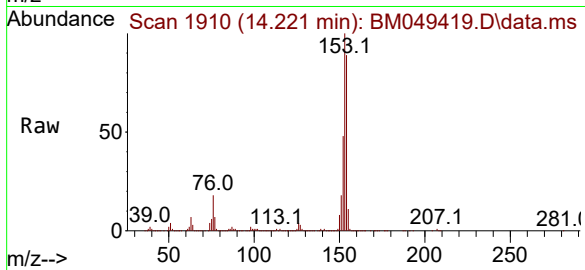
Tgt Ion:153 Resp: 839523

Ion Ratio Lower Upper

153 100

152 47.9 39.0 58.6

154 89.5 71.6 107.4



#56

Dibenzofuran

Concen: 59.649 ng/ul

RT: 14.563 min Scan# 1968

Delta R.T. -0.006 min

Lab File: BM049419.D

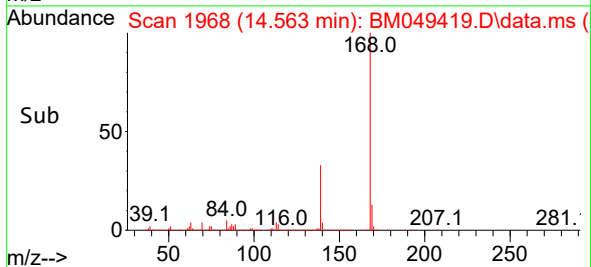
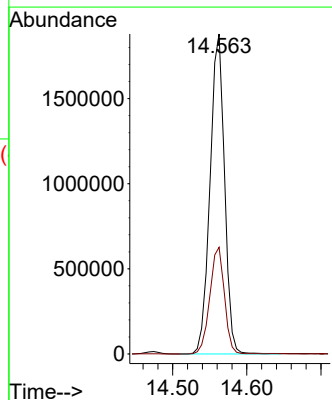
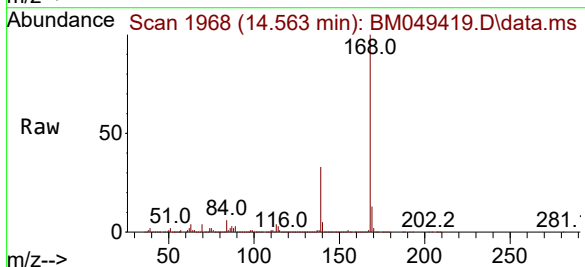
Acq: 23 Jan 2025 14:52

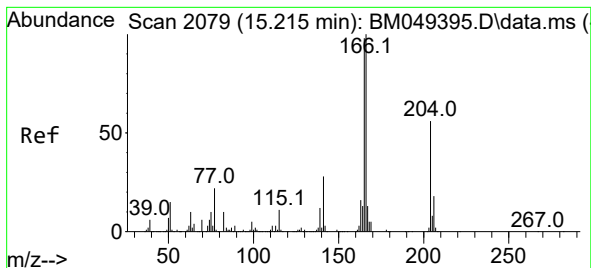
Tgt Ion:168 Resp: 2555159

Ion Ratio Lower Upper

168 100

139 33.3 27.0 40.4





#61

Fluorene

Concen: 165.232 ng/ul

RT: 15.216 min Scan# 2079

Delta R.T. -0.006 min

Lab File: BM049419.D

Acq: 23 Jan 2025 14:52

Instrument :

BNA_M

ClientSampleId :

DCZH5DL

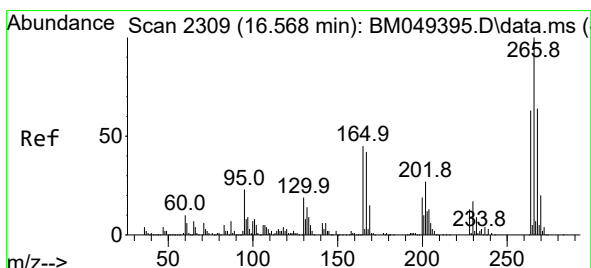
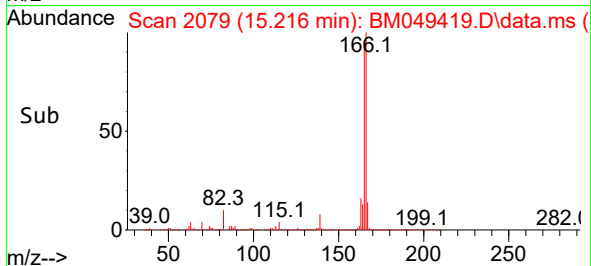
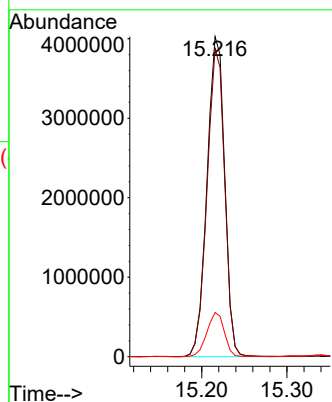
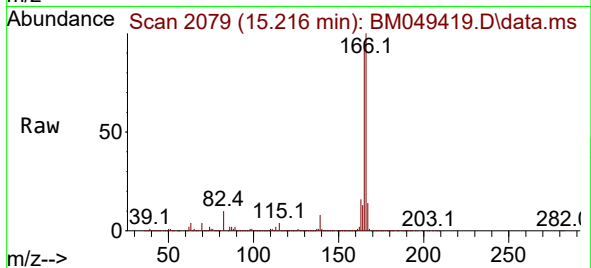
Tgt Ion:166 Resp: 5782984

Ion Ratio Lower Upper

166 100

165 96.3 77.7 116.5

167 13.8 10.7 16.1



#71

Pentachlorophenol

Concen: 1.035 ng/ul

RT: 16.568 min Scan# 2309

Delta R.T. -0.006 min

Lab File: BM049419.D

Acq: 23 Jan 2025 14:52

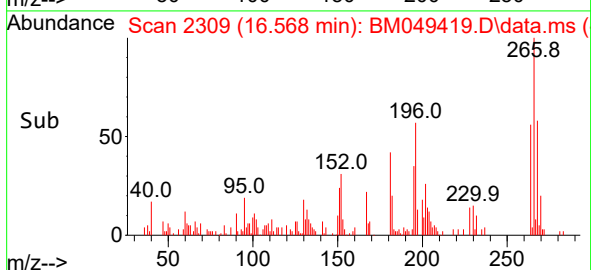
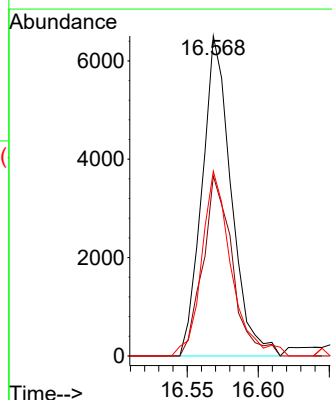
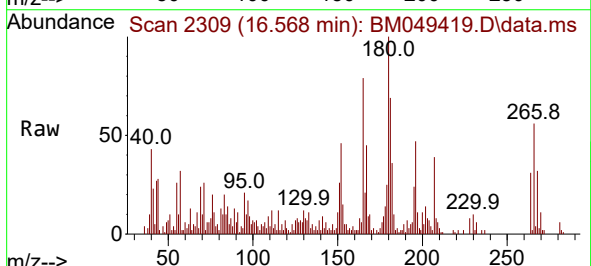
Tgt Ion:266 Resp: 9289

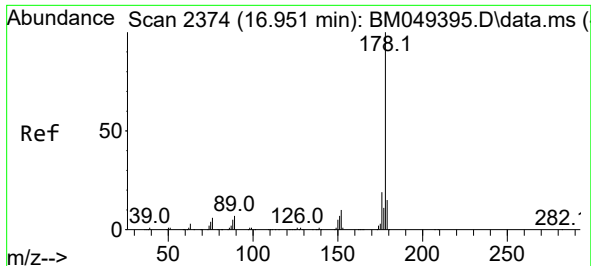
Ion Ratio Lower Upper

266 100

264 56.3 48.6 72.8

268 57.8 49.4 74.0

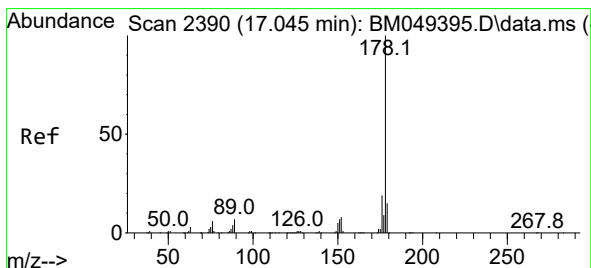
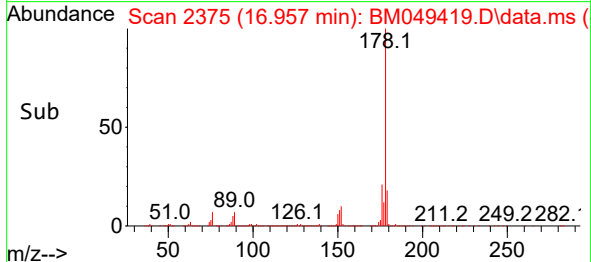
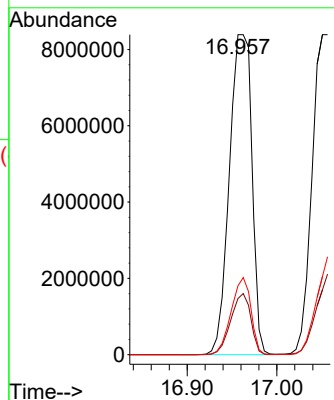
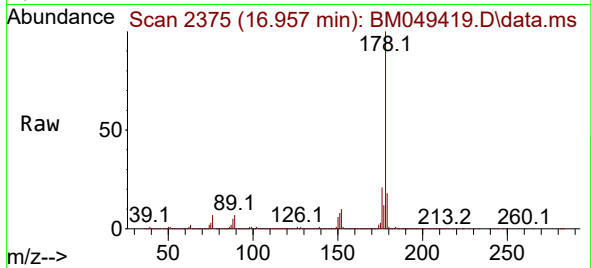




#72
Phenanthrene
Concen: 257.244 ng/u1
RT: 16.957 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049419.D
Acq: 23 Jan 2025 14:52

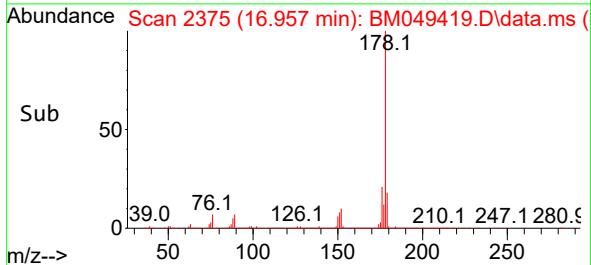
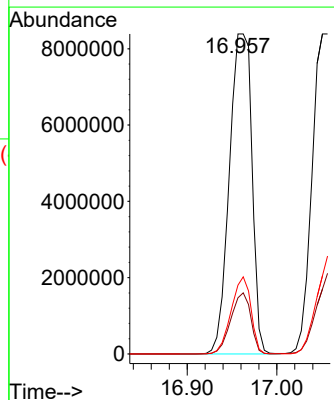
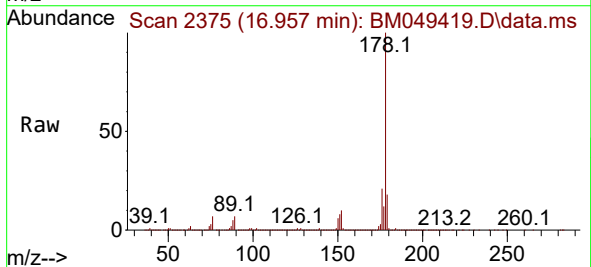
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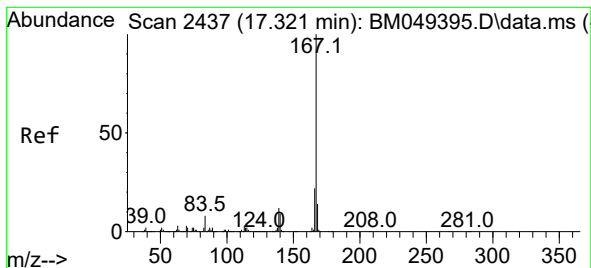
Tgt Ion:178 Resp:14656398
Ion Ratio Lower Upper
178 100
179 17.6 12.6 19.0
176 21.5 15.4 23.2



#74
Anthracene
Concen: 256.287 ng/u1
RT: 16.957 min Scan# 2375
Delta R.T. -0.094 min
Lab File: BM049419.D
Acq: 23 Jan 2025 14:52

Tgt Ion:178 Resp:14656398
Ion Ratio Lower Upper
178 100
179 17.6 12.5 18.7
176 21.5 15.1 22.7





#77

Carbazole

Concen: 203.387 ng/ul

RT: 17.327 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM049419.D

Acq: 23 Jan 2025 14:52

Instrument :

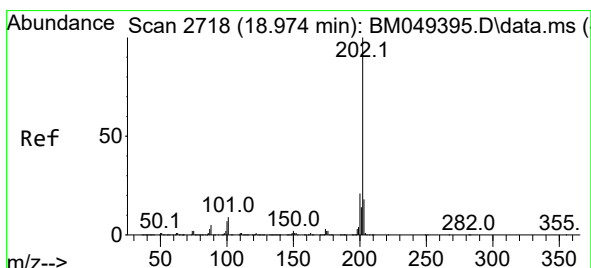
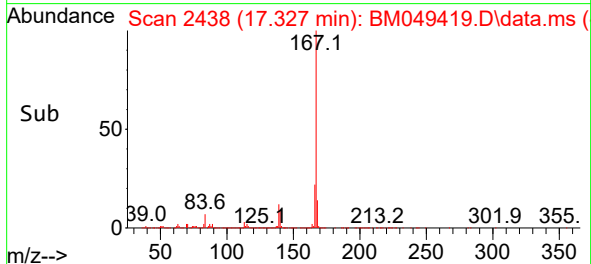
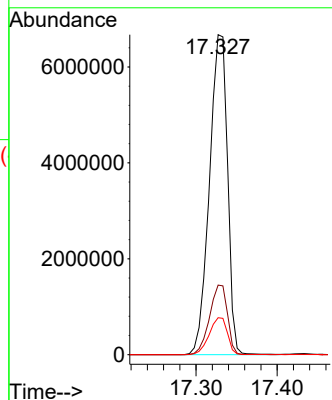
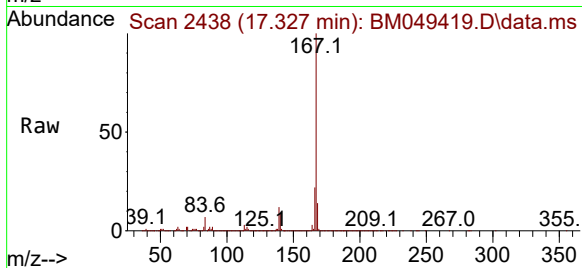
BNA_M

ClientSampleId :

DCZH5DL

Tgt Ion:167 Resp:10319589

Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.7	25.1
139	11.6	9.5	14.3



#80

Fluoranthene

Concen: 66.070 ng/ul

RT: 18.980 min Scan# 2719

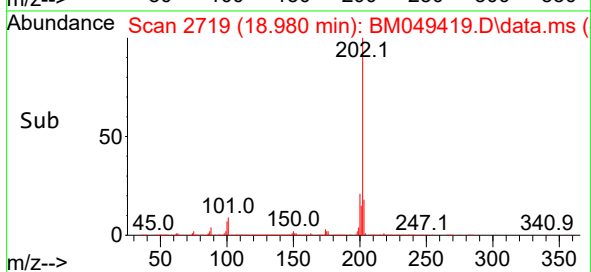
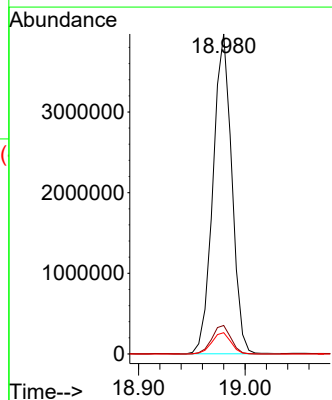
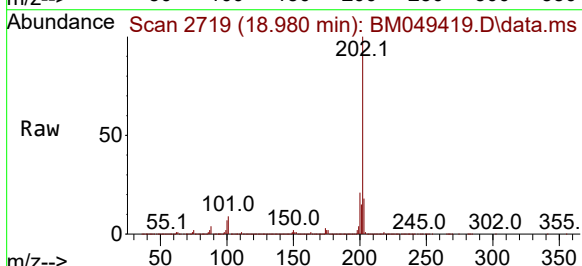
Delta R.T. -0.006 min

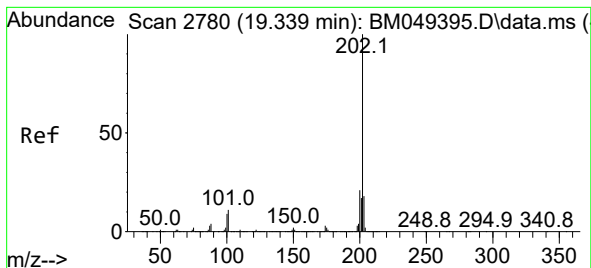
Lab File: BM049419.D

Acq: 23 Jan 2025 14:52

Tgt Ion:202 Resp: 4853884

Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.4
100	6.6	5.0	7.6





#82

Pyrene

Concen: 31.549 ng/ul

RT: 19.345 min Scan# 21

Delta R.T. -0.006 min

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Acq: 23 Jan 2025 14:52

Instrument :

BNA_M

ClientSampleId :

DCZH5DL

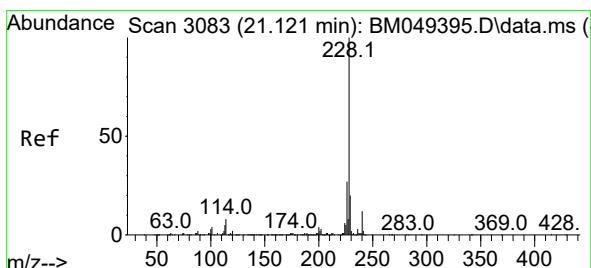
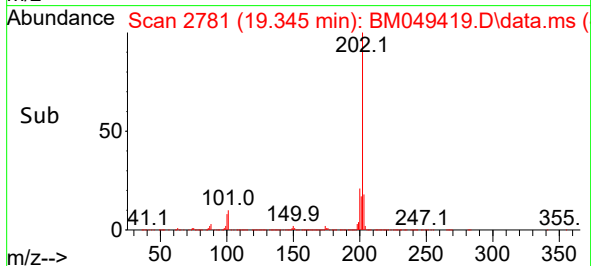
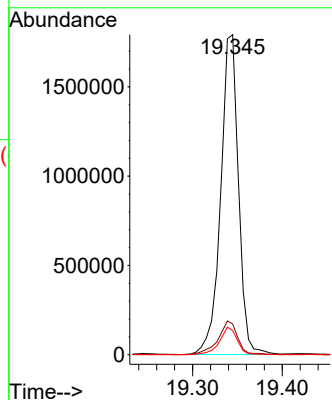
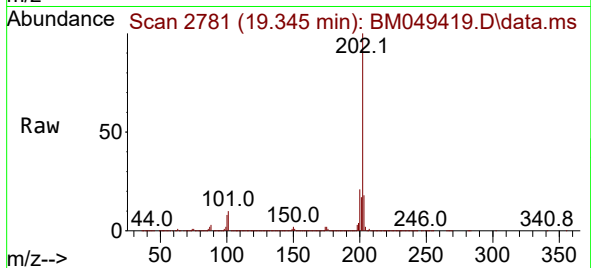
Tgt Ion:202 Resp: 2467219

Ion Ratio Lower Upper

202 100

101 9.6 7.8 11.8

100 7.6 6.6 10.0



#85

Benzo(a)anthracene

Concen: 9.456 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM049419.D

Acq: 23 Jan 2025 14:52

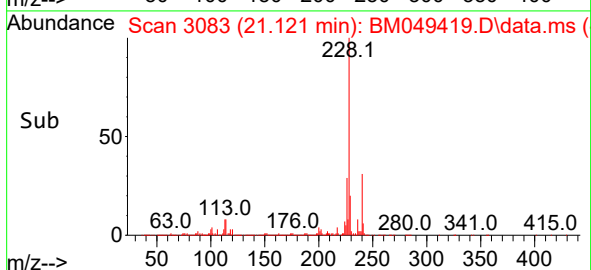
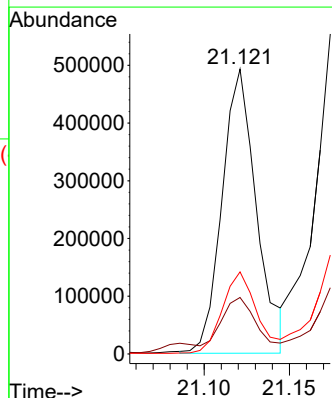
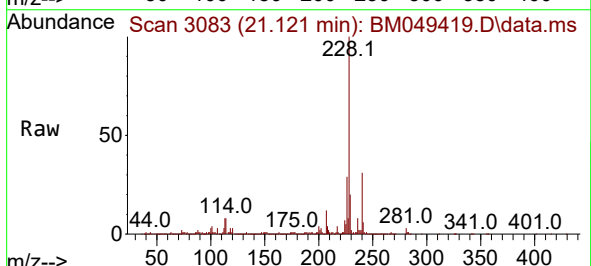
Tgt Ion:228 Resp: 692291

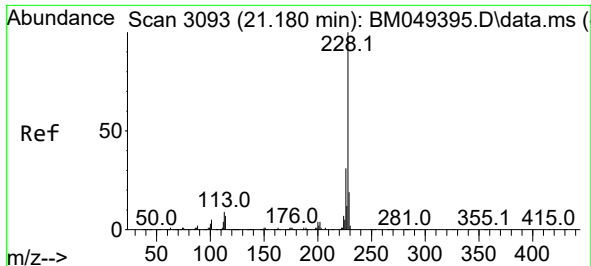
Ion Ratio Lower Upper

228 100

229 19.8 15.8 23.6

226 28.9 22.1 33.1

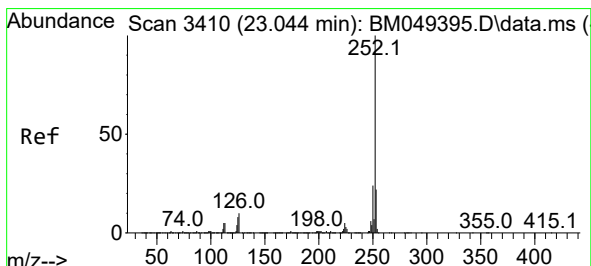
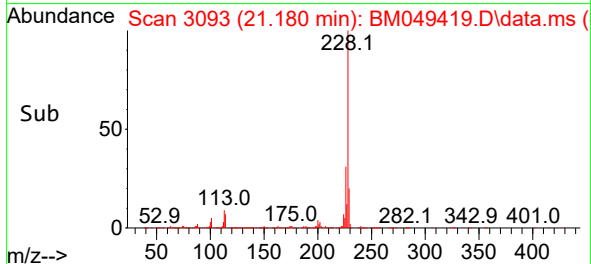
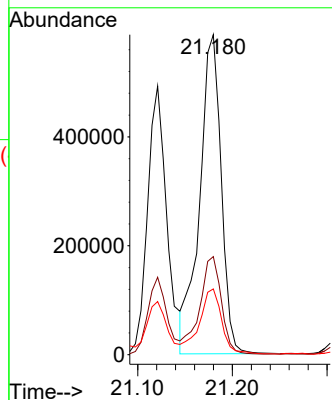
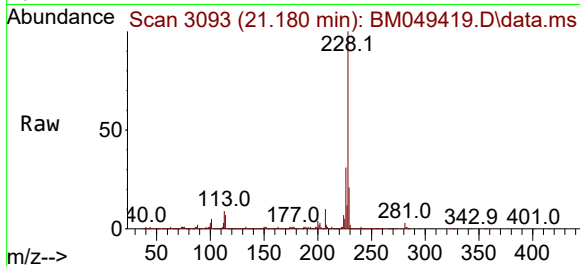




#87
Chrysene
Concen: 13.877 ng/ul
RT: 21.180 min Scan# 3093
Delta R.T. -0.006 min
Lab File: BM049419.D
Acq: 23 Jan 2025 14:52

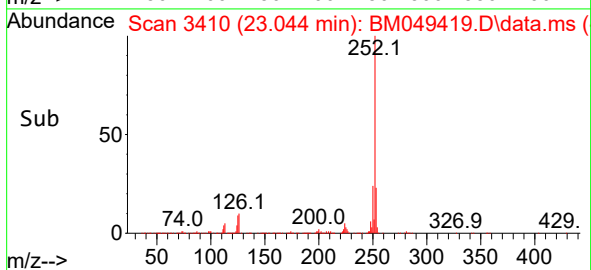
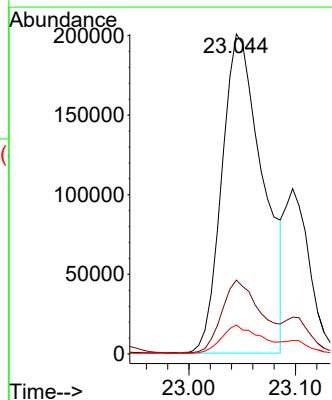
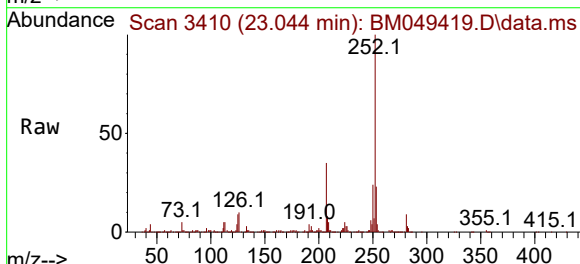
Instrument :
BNA_M
ClientSampleId :
DCZH5DL

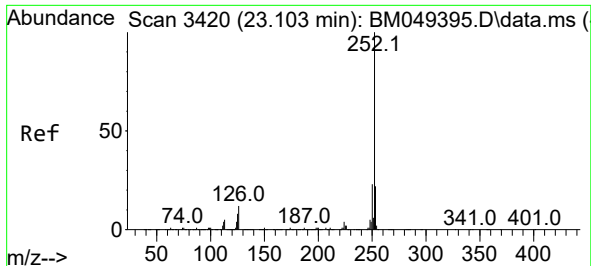
Tgt Ion:228 Resp: 927462
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 20.5 16.0 24.0



#90
Benzo(b)fluoranthene
Concen: 7.760 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049419.D
Acq: 23 Jan 2025 14:52

Tgt Ion:252 Resp: 536361
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 9.1 6.6 9.8

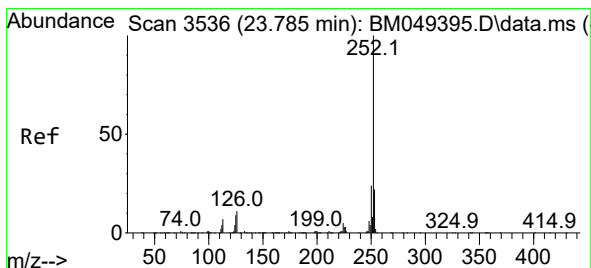
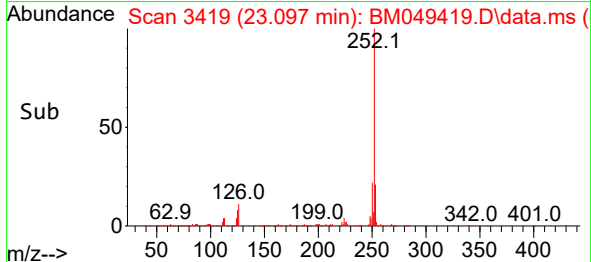
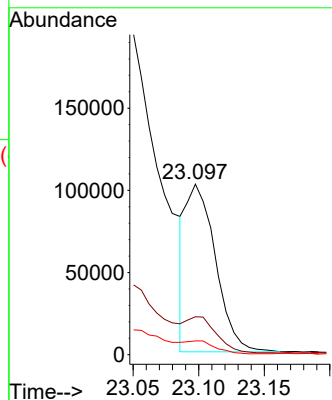
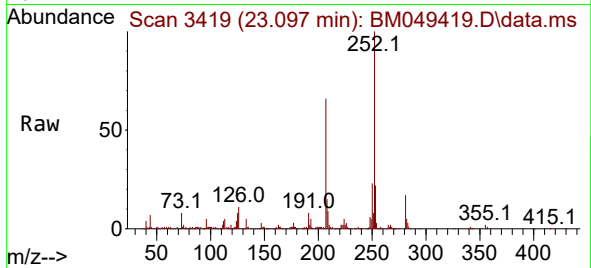




#91
Benzo(k)fluoranthene
Concen: 2.323 ng/ul
RT: 23.097 min Scan# 3419
Delta R.T. -0.018 min
Lab File: BM049419.D
Acq: 23 Jan 2025 14:52

Instrument :
BNA_M
ClientSampleId :
DCZH5DL

Tgt Ion:252 Resp: 160062
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 8.1 6.5 9.7



#93
Benzo(a)pyrene
Concen: 1.566 ng/ul
RT: 23.780 min Scan# 3535
Delta R.T. -0.018 min
Lab File: BM049419.D
Acq: 23 Jan 2025 14:52

Tgt Ion:252 Resp: 97775
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.2 6.9 10.3

