

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049383.D
 Acq On : 22 Jan 2025 14:54
 Operator : RC/JU
 Sample : Q1139-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH0

Quant Time: Jan 22 22:10:17 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)

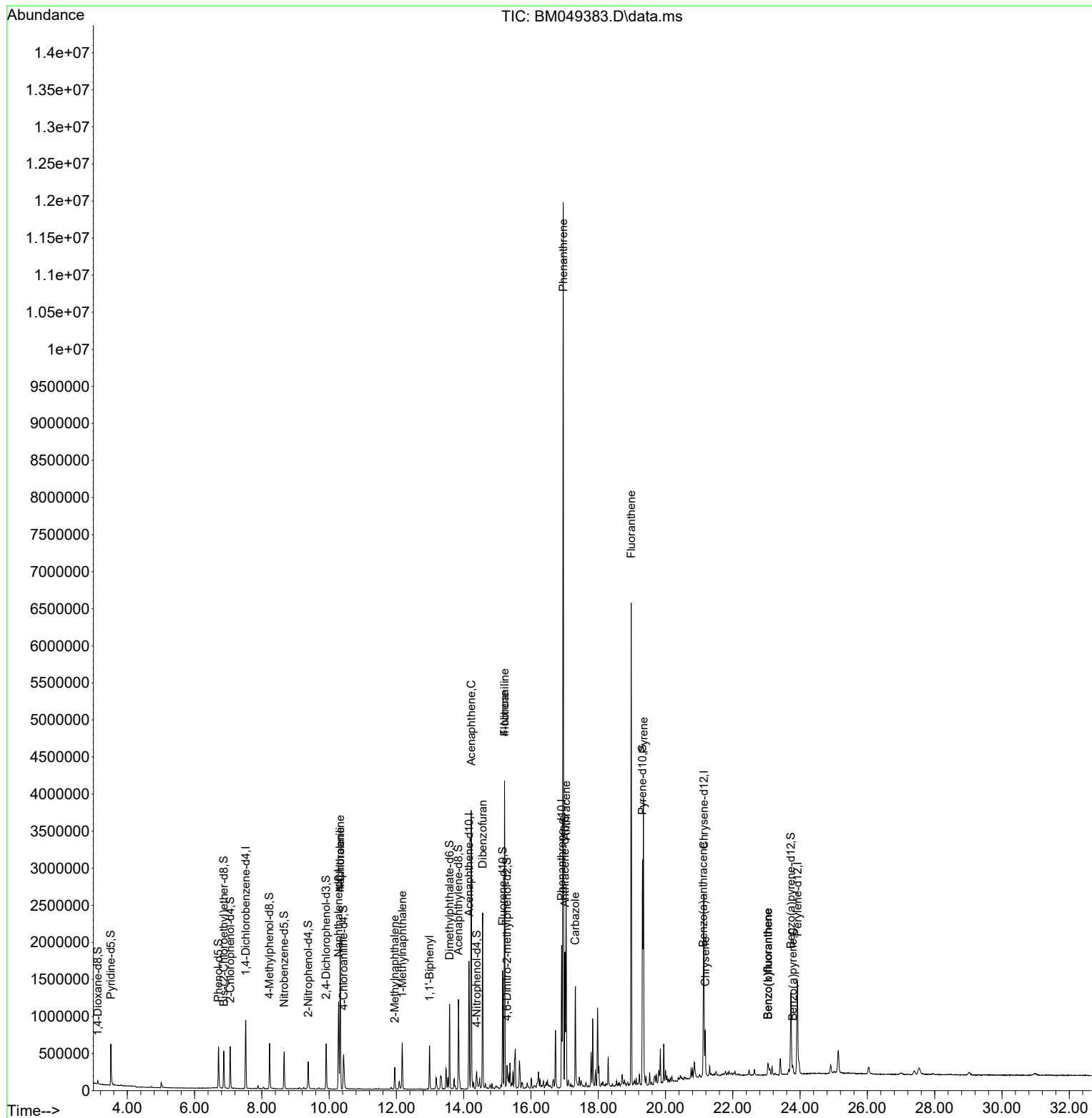
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.522	152	247500	20.000	ng/ul	0.00
20) Naphthalene-d8	10.281	136	899448	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.157	164	563670	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.910	188	1141001	20.000	ng/ul	0.00
79) Chrysene-d12	21.139	240	1114922	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264	1088172	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	18029	3.014	ng/uL	0.00
4) Pyridine-d5	3.510	84	272041	14.286	ng/ul	0.00
7) Phenol-d5	6.710	99	298215	14.354	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	224136	16.201	ng/ul	0.00
11) 2-Chlorophenol-d4	7.063	132	239082	15.043	ng/ul	0.00
15) 4-Methylphenol-d8	8.228	113	221042	13.720	ng/ul	-0.01
21) Nitrobenzene-d5	8.663	128	105450	15.374	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	117221	15.288	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	225297	14.399	ng/ul	0.00
31) 4-Chloroaniline-d4	10.428	131	251427	12.212	ng/ul	0.00
46) Dimethylphthalate-d6	13.580	166	697169	16.618	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	746797	15.593	ng/ul	0.00
54) 4-Nitrophenol-d4	14.386	143	52987	7.627	ng/ul	0.00
60) Fluorene-d10	15.157	176	603319	16.647	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	60967	8.384	ng/ul	0.00
73) Anthracene-d10	17.010	188	976267	17.308	ng/ul	0.00
81) Pyrene-d10	19.315	212	1131299	16.673	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.727	264	927537	15.878	ng/ul	-0.02
Target Compounds						Qvalue
30) Naphthalene	10.328	128	1548621	32.443	ng/ul	99
32) 4-Chloroaniline	10.328	127	200373	10.206	ng/ul#	1
36) 2-Methylnaphthalene	11.951	142	135061	3.954	ng/ul	100
37) 1-Methylnaphthalene	12.175	142	277939	8.178	ng/ul	97
43) 1,1'-Biphenyl	12.986	154	297134	7.200	ng/ul	97
52) Acenaphthene	14.221	153	1417906	40.418	ng/ul	100
56) Dibenzofuran	14.563	168	1518959	30.491	ng/ul	100
61) Fluorene	15.216	166	1722810	42.327	ng/ul	100
63) 4-Nitroaniline	15.216	138	16958	2.481	ng/ul#	21
72) Phenanthrene	16.957	178	7093583	111.828	ng/ul	100
74) Anthracene	17.045	178	1562822	24.546	ng/ul	100
77) Carbazole	17.315	167	717252	12.697	ng/ul	99
80) Fluoranthene	18.980	202	3735305	47.908	ng/ul	98
82) Pyrene	19.345	202	2344062	28.243	ng/ul	98
85) Benzo(a)anthracene	21.121	228	425141	5.472	ng/ul	99
87) Chrysene	21.180	228	378758	5.340	ng/ul	99
90) Benzo(b)fluoranthene	23.044	252	157285	2.159	ng/ul	97
91) Benzo(k)fluoranthene	23.044	252	157285	2.166	ng/ul	98
93) Benzo(a)pyrene	23.780	252	90498	1.376	ng/ul	97

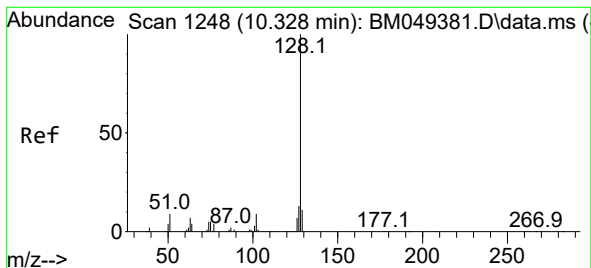
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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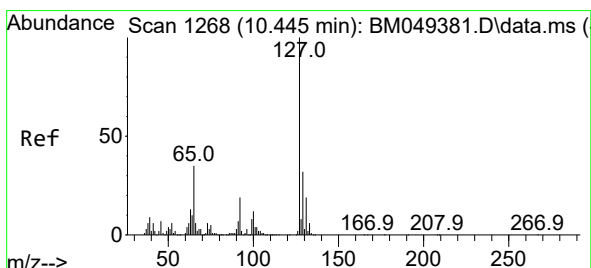
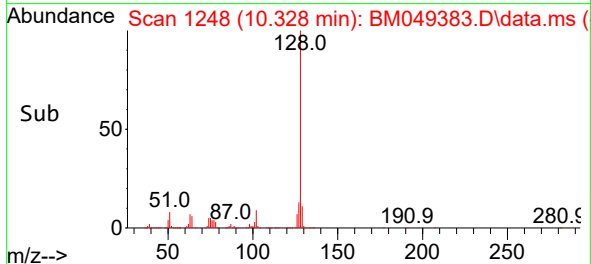
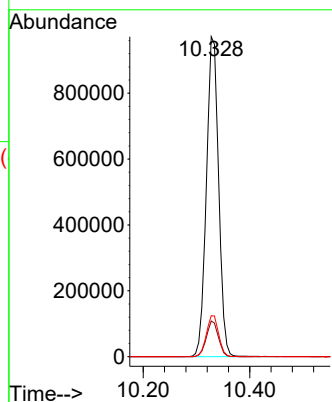
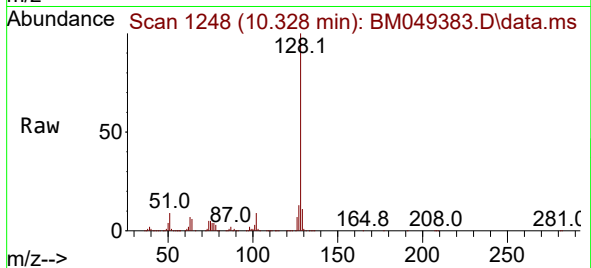




#30
Naphthalene
Concen: 32.443 ng/ul
RT: 10.328 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

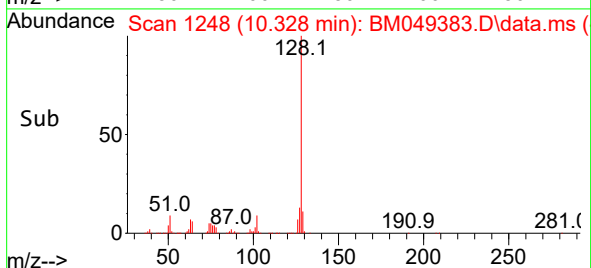
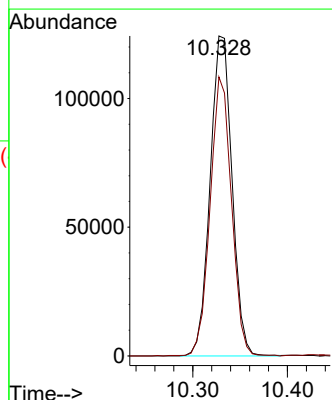
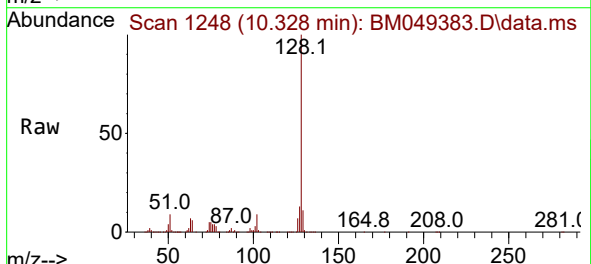
Instrument :
BNA_M
ClientSampleId :
DCZH0

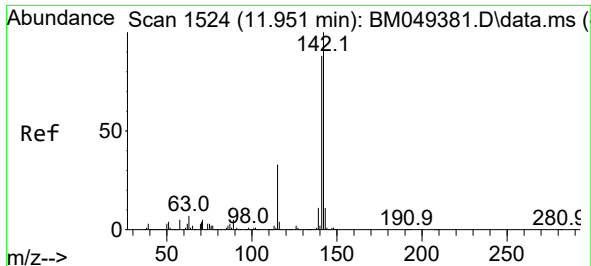
Tgt Ion:128 Resp: 1548621
Ion Ratio Lower Upper
128 100
129 11.2 8.5 12.7
127 12.8 10.2 15.2



#32
4-Chloroaniline
Concen: 10.206 ng/ul
RT: 10.328 min Scan# 1248
Delta R.T. -0.123 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:127 Resp: 200373
Ion Ratio Lower Upper
127 100
129 87.2 25.7 38.5#

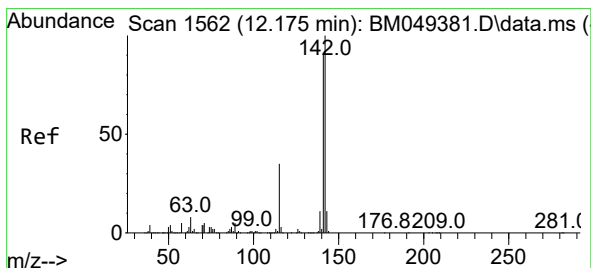
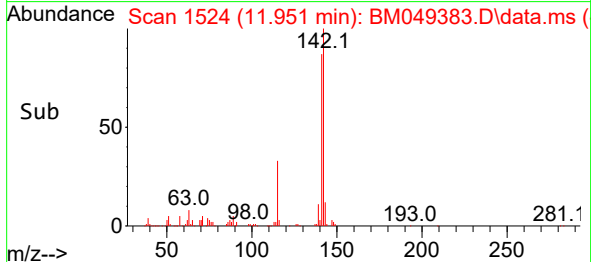
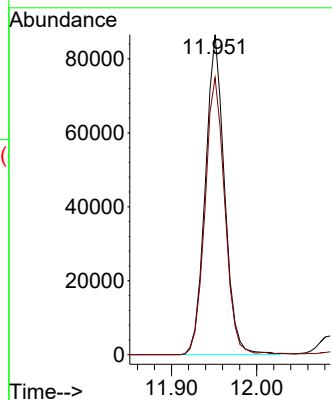
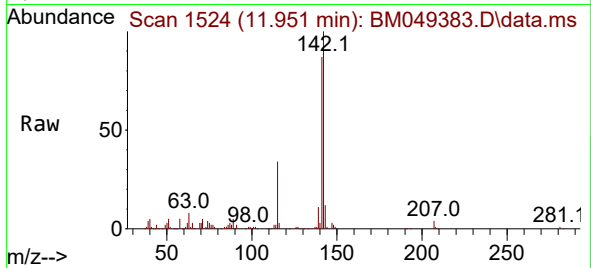




#36
2-Methylnaphthalene
Concen: 3.954 ng/ul
RT: 11.951 min Scan# 1524
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

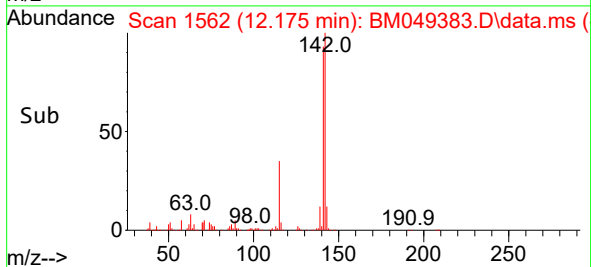
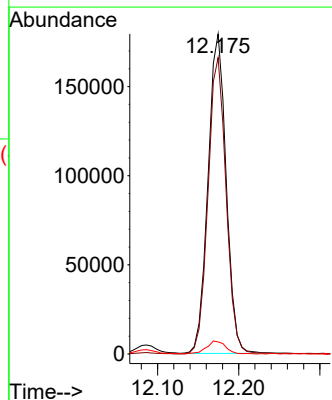
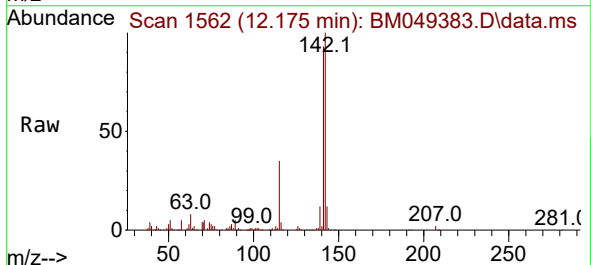
Instrument :
BNA_M
ClientSampleId :
DCZH0

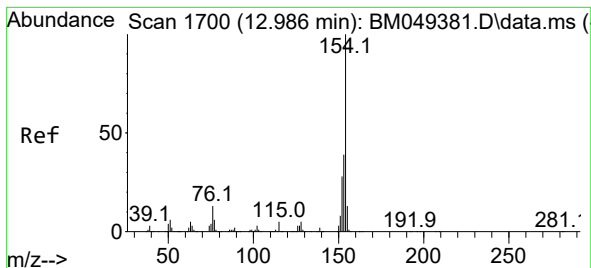
Tgt Ion:142 Resp: 135061
Ion Ratio Lower Upper
142 100
141 86.6 69.6 104.4



#37
1-Methylnaphthalene
Concen: 8.178 ng/ul
RT: 12.175 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:142 Resp: 277939
Ion Ratio Lower Upper
142 100
141 92.6 71.9 107.9
116 3.8 2.8 4.2





#43

1,1'-Biphenyl

Concen: 7.200 ng/ul

RT: 12.986 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049383.D

Acq: 22 Jan 2025 14:54

Instrument :

BNA_M

ClientSampleId :

DCZH0

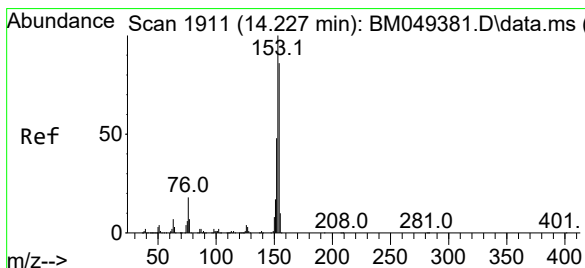
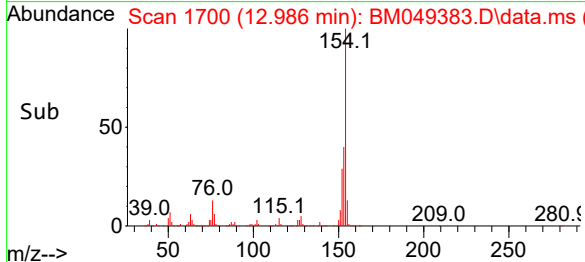
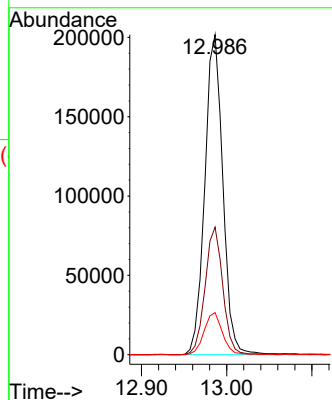
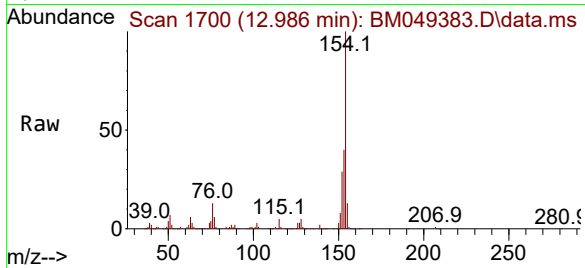
Tgt Ion:154 Resp: 297134

Ion Ratio Lower Upper

154 100

153 39.9 31.0 46.4

76 13.2 9.1 13.7



#52

Acenaphthene

Concen: 40.418 ng/ul

RT: 14.221 min Scan# 1910

Delta R.T. -0.006 min

Lab File: BM049383.D

Acq: 22 Jan 2025 14:54

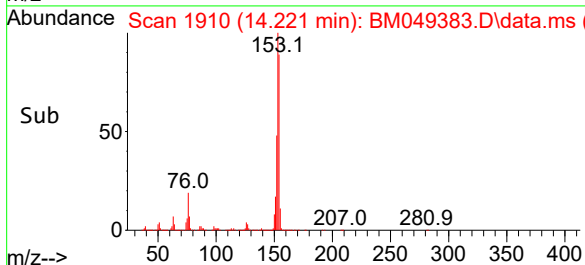
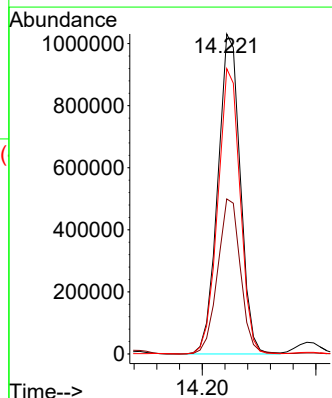
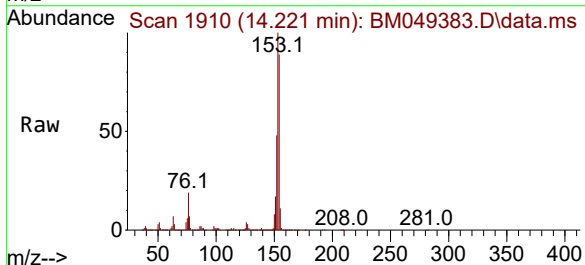
Tgt Ion:153 Resp: 1417906

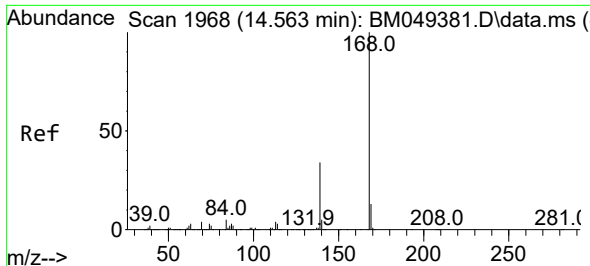
Ion Ratio Lower Upper

153 100

152 48.4 39.0 58.6

154 89.2 71.6 107.4

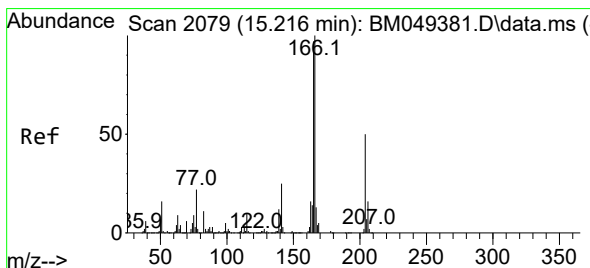
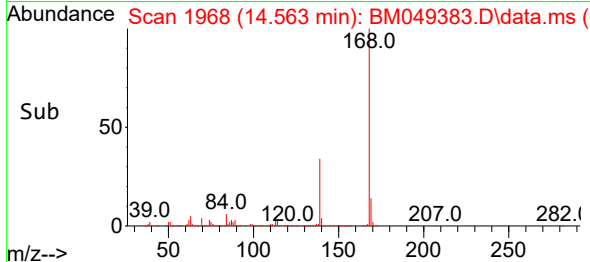
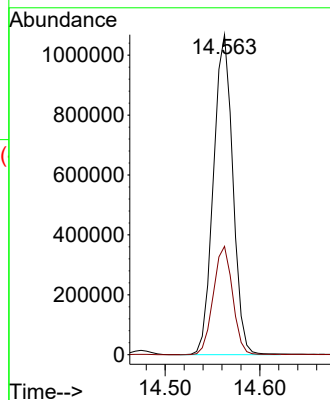
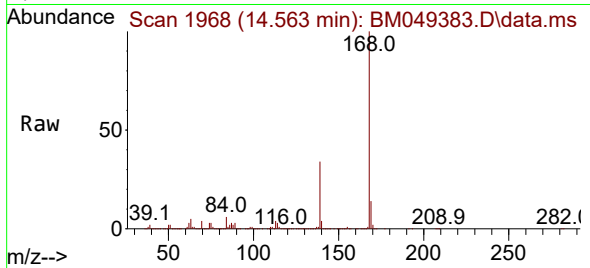




#56
Dibenzenofuran
Concen: 30.491 ng/ul
RT: 14.563 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

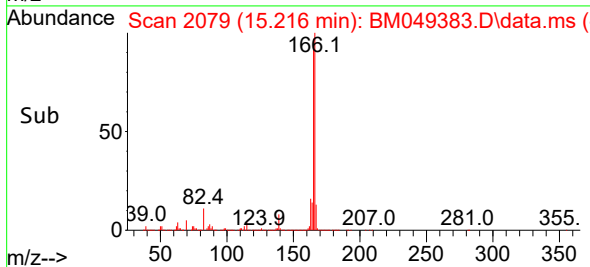
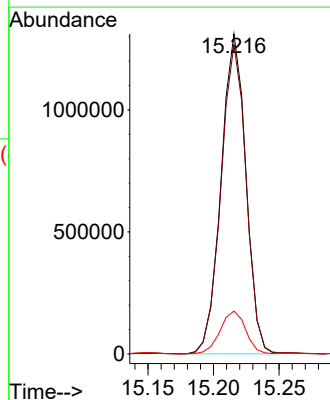
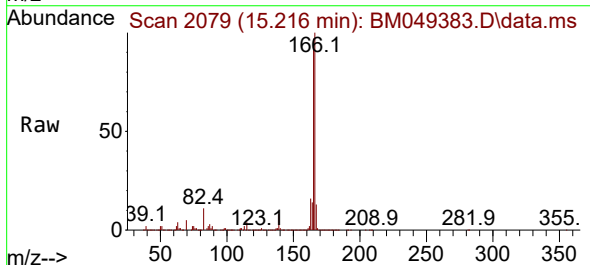
Instrument :
BNA_M
ClientSampleId :
DCZH0

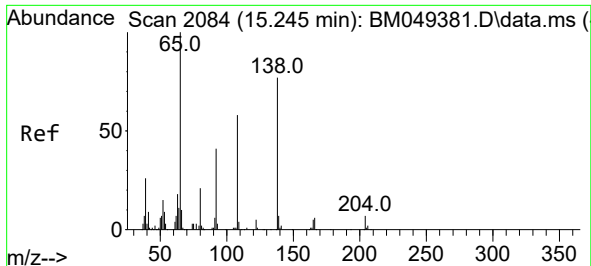
Tgt Ion:168 Resp: 1518959
Ion Ratio Lower Upper
168 100
139 33.8 27.0 40.4



#61
Fluorene
Concen: 42.327 ng/ul
RT: 15.216 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:166 Resp: 1722810
Ion Ratio Lower Upper
166 100
165 96.7 77.7 116.5
167 13.4 10.7 16.1

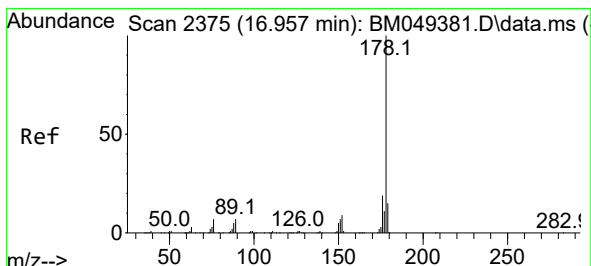
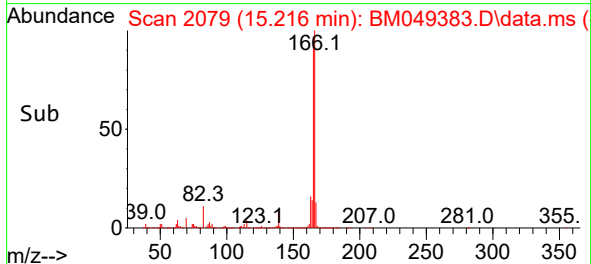
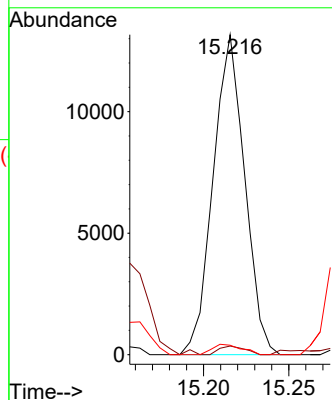
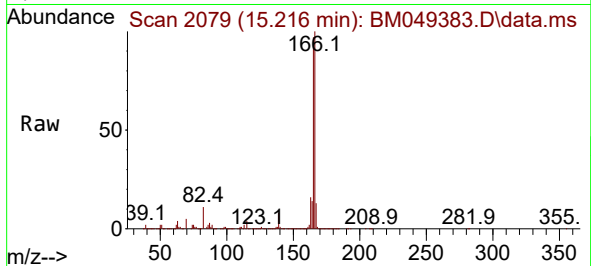




#63
4-Nitroaniline
Concen: 2.481 ng/ul
RT: 15.216 min Scan# 2084
Delta R.T. -0.035 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

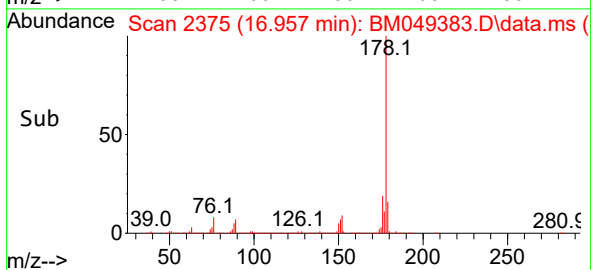
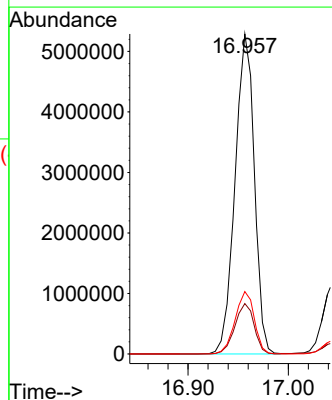
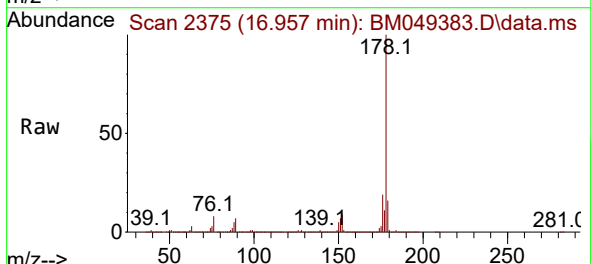
Instrument :
BNA_M
ClientSampleId :
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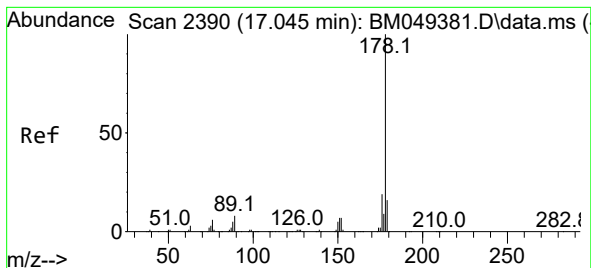
Tgt Ion:138 Resp: 16958
Ion Ratio Lower Upper
138 100
92 2.7 42.0 63.0#
108 2.9 60.3 90.5#



#72
Phenanthrene
Concen: 111.828 ng/ul
RT: 16.957 min Scan# 2375
Delta R.T. 0.000 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:178 Resp: 7093583
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 19.5 15.4 23.2





#74

Anthracene

Concen: 24.546 ng/ul

RT: 17.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049383.D

Acq: 22 Jan 2025 14:54

Instrument :

BNA_M

ClientSampleId :

DCZH0

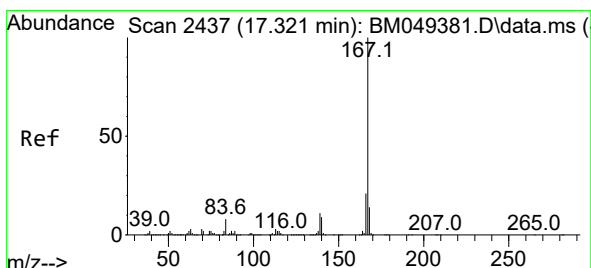
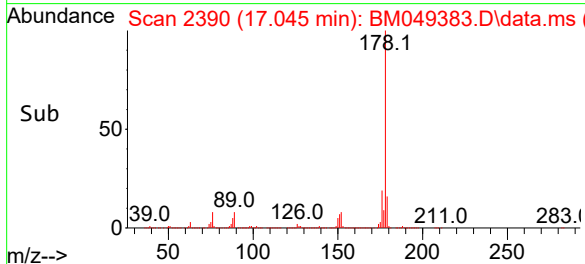
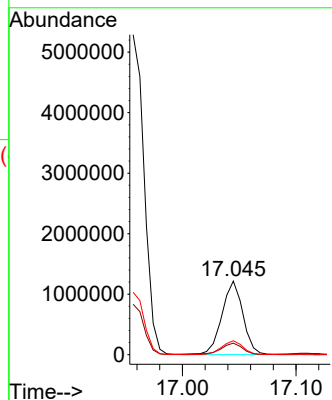
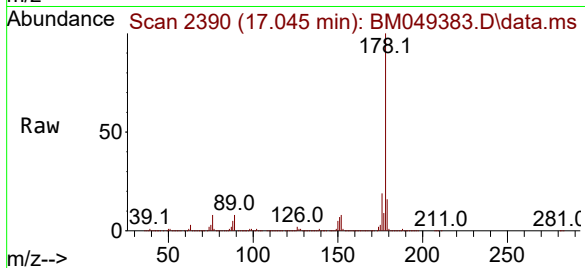
Tgt Ion:178 Resp: 1562822

Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

176 18.9 15.1 22.7



#77

Carbazole

Concen: 12.697 ng/ul

RT: 17.315 min Scan# 2436

Delta R.T. -0.012 min

Lab File: BM049383.D

Acq: 22 Jan 2025 14:54

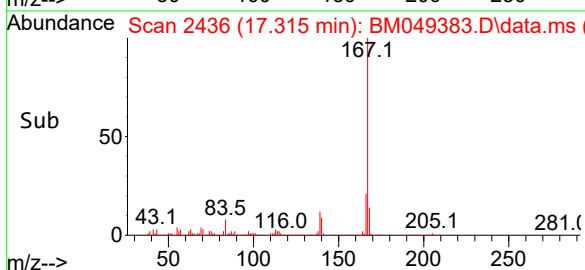
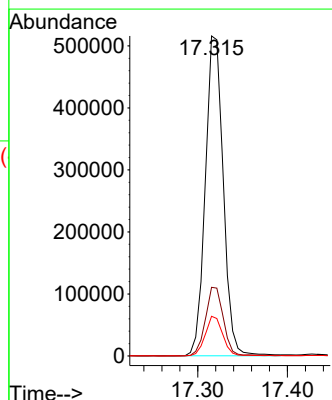
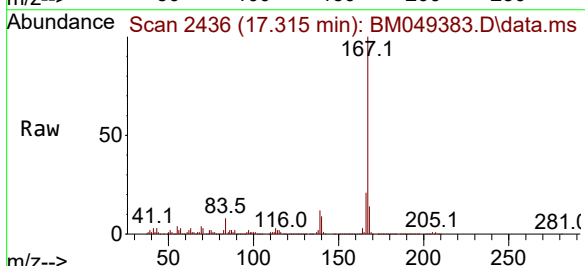
Tgt Ion:167 Resp: 717252

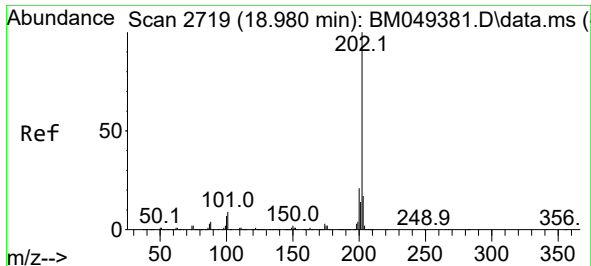
Ion Ratio Lower Upper

167 100

166 21.4 16.7 25.1

139 12.4 9.5 14.3

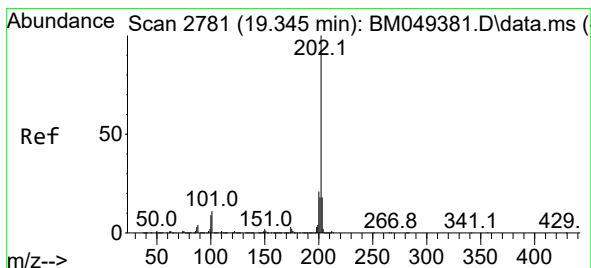
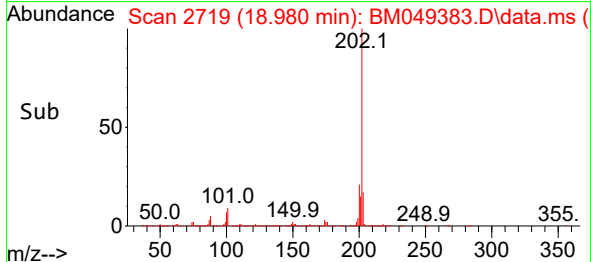
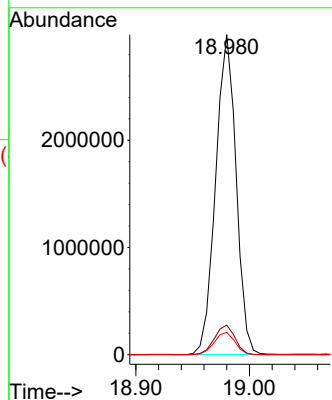
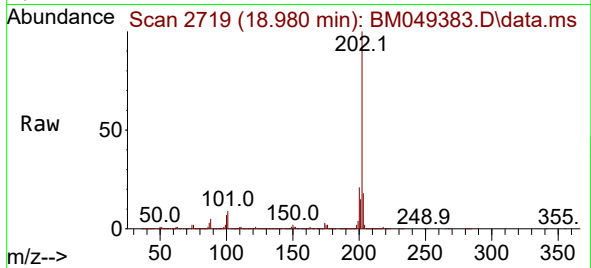




#80
Fluoranthene
Concen: 47.908 ng/ul
RT: 18.980 min Scan# 2719
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

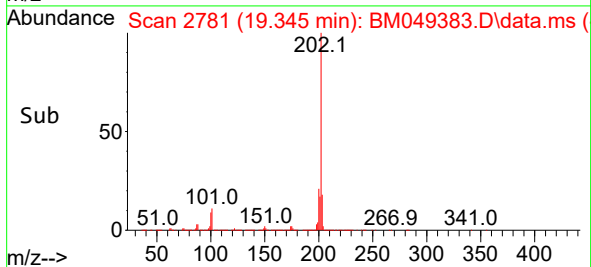
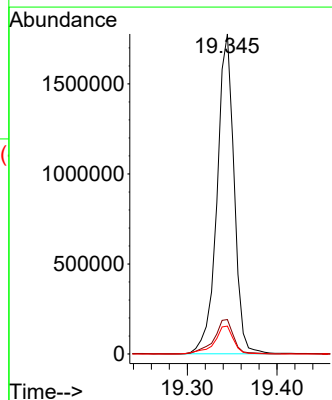
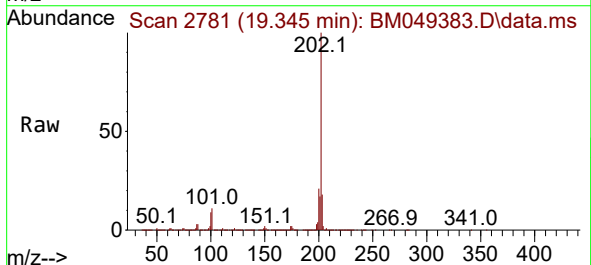
Instrument :
BNA_M
ClientSampleId :
DCZH0

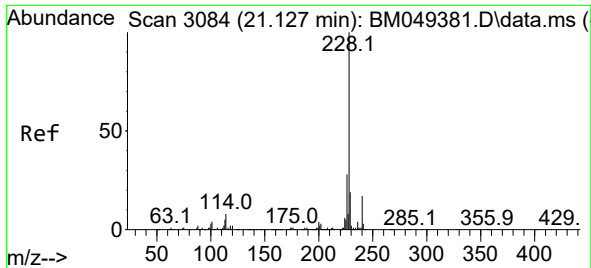
Tgt Ion:202 Resp: 3735305
Ion Ratio Lower Upper
202 100
101 9.2 7.0 10.4
100 7.0 5.0 7.6



#82
Pyrene
Concen: 28.243 ng/ul
RT: 19.345 min Scan# 2781
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:202 Resp: 2344062
Ion Ratio Lower Upper
202 100
101 10.7 7.8 11.8
100 8.7 6.6 10.0

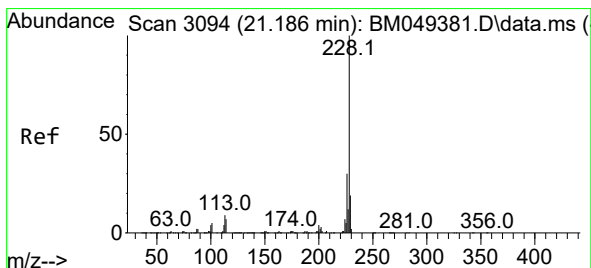
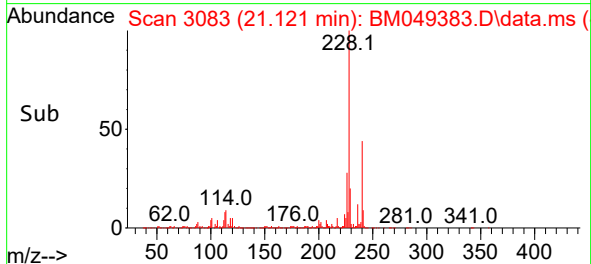
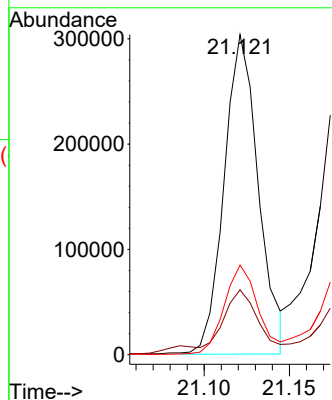
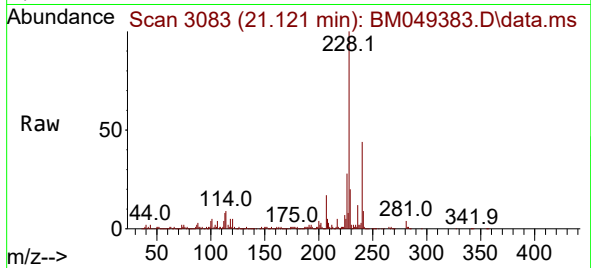




#85
Benzo(a)anthracene
Concen: 5.472 ng/ul
RT: 21.121 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

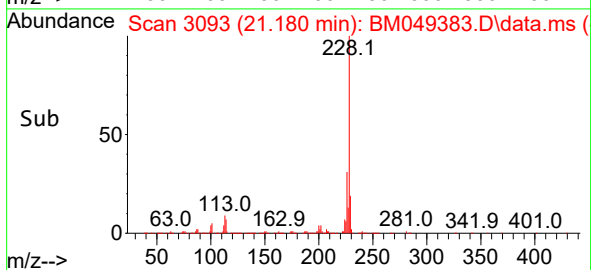
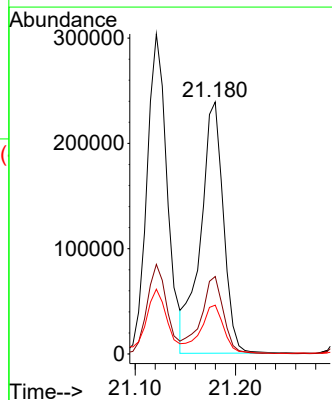
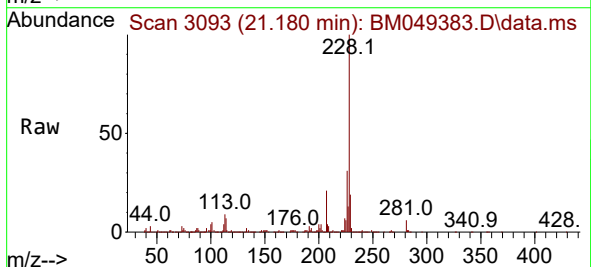
Instrument :
BNA_M
ClientSampleId :
DCZH0

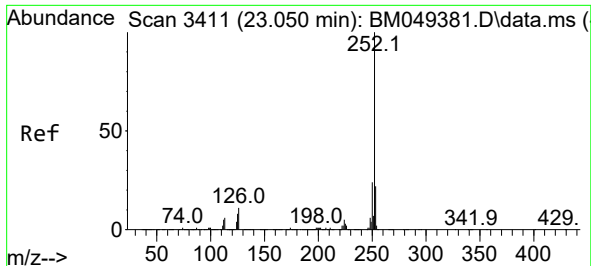
Tgt Ion:228 Resp: 425141
Ion Ratio Lower Upper
228 100
229 20.3 15.8 23.6
226 28.0 22.1 33.1



#87
Chrysene
Concen: 5.340 ng/ul
RT: 21.180 min Scan# 3093
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:228 Resp: 378758
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 19.4 16.0 24.0

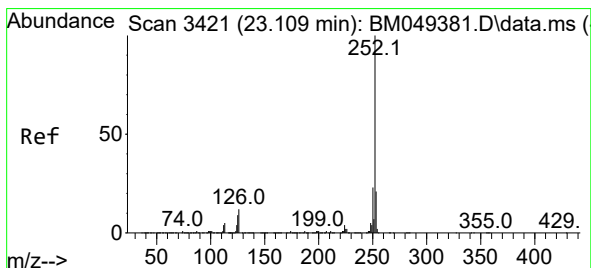
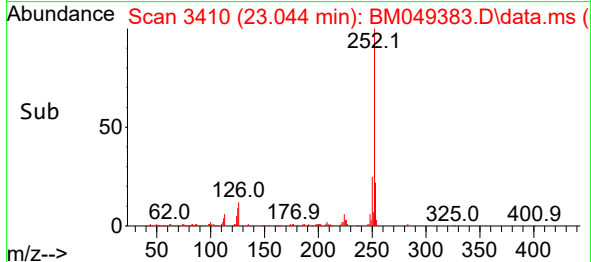
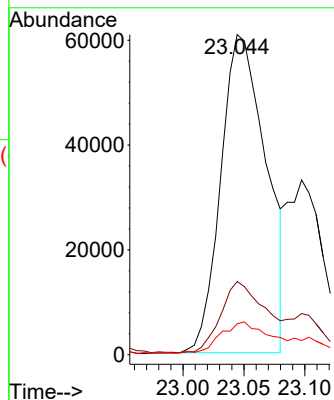
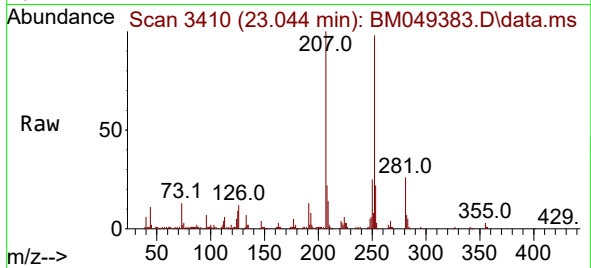




#90
Benzo(b)fluoranthene
Concen: 2.159 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

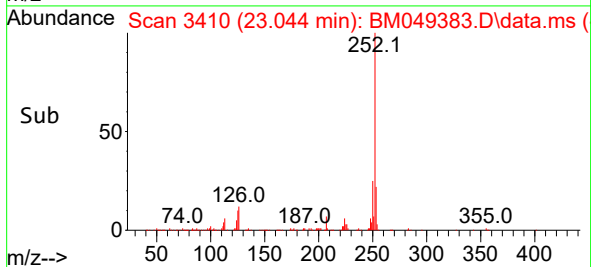
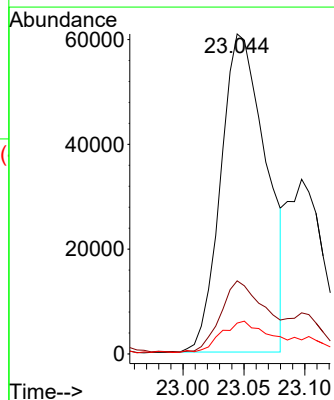
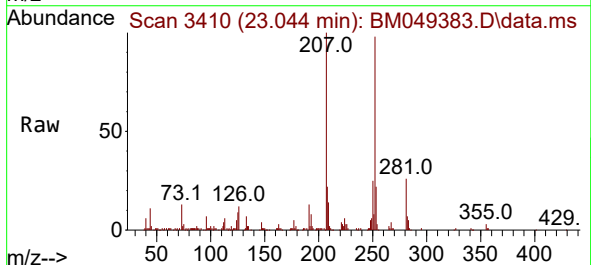
Instrument :
BNA_M
ClientSampleId :
DCZH0

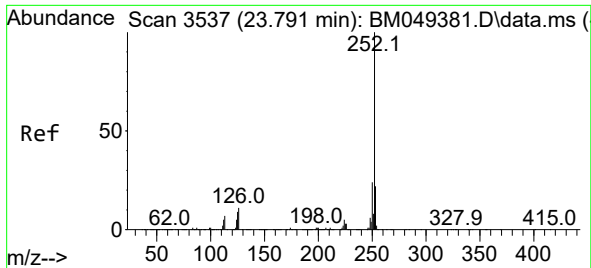
Tgt Ion:252 Resp: 157285
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 9.7 6.6 9.8



#91
Benzo(k)fluoranthene
Concen: 2.166 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.071 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

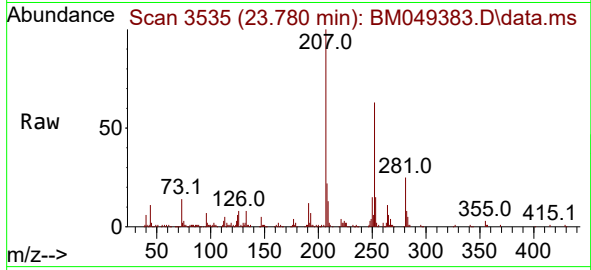
Tgt Ion:252 Resp: 157285
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.7 6.5 9.7





#93
Benzo(a)pyrene
Concen: 1.376 ng/ul
RT: 23.780 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Instrument :
BNA_M
ClientSampleId :
DCZH0



Tgt Ion:252 Resp: 90498
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.2 6.9 10.3

