

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032625\
 Data File : BM049763.D
 Acq On : 26 Mar 2025 11:30
 Operator : RC/JU
 Sample : Q1546-04
 Misc : MDL-SOIL-QT1-2025
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2025-02

Quant Time: Mar 26 12:20:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM030425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 04 13:03:01 2025
 Response via : Initial Calibration

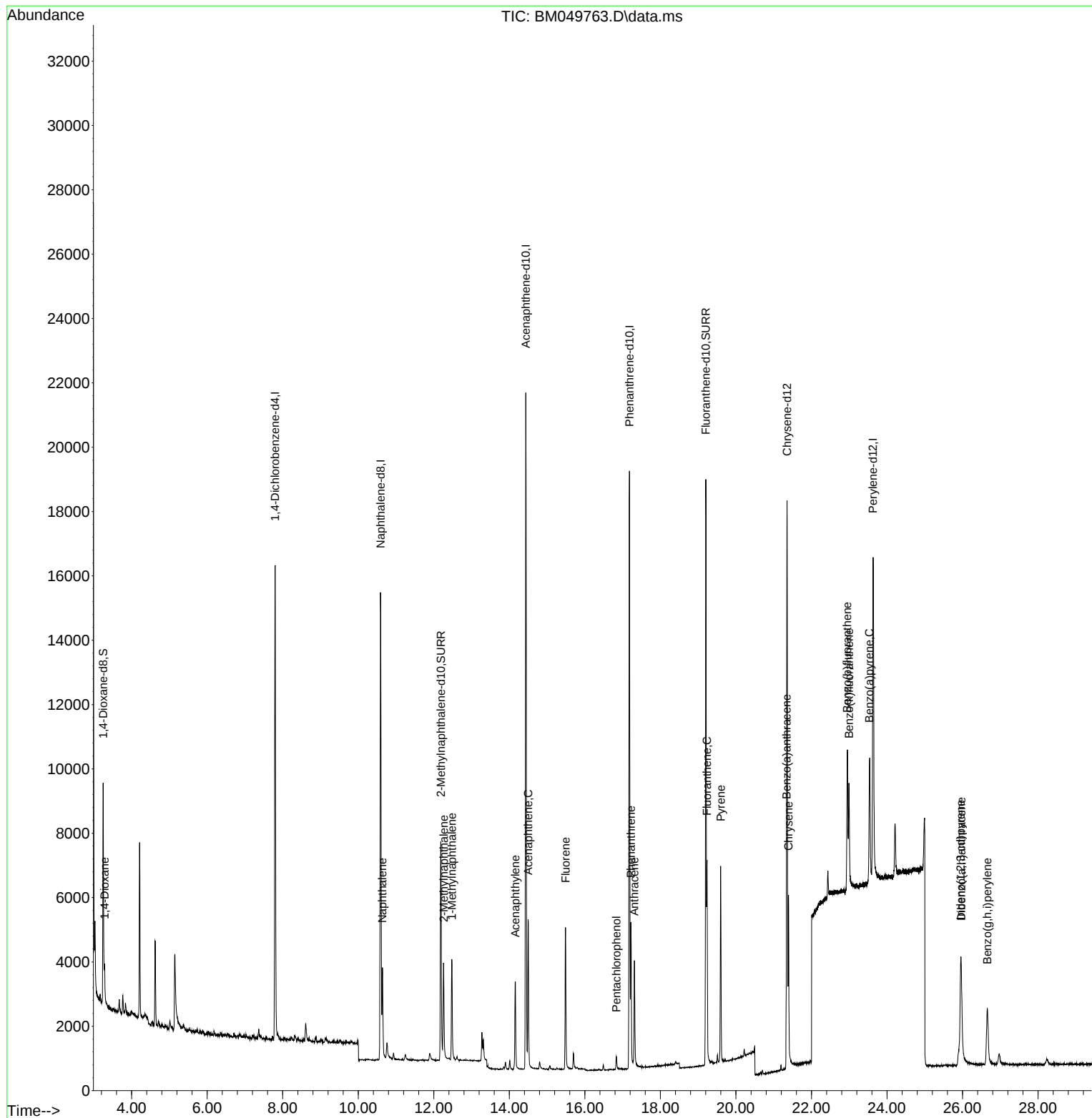
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	8080	0.400	ng/ul	0.00
4) Naphthalene-d8	10.590	136	20769	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.437	164	12048	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	23725	0.400	ng/ul	0.00
17) Chrysene-d12	21.353	240	16412	0.400	ng/ul	-0.01
23) Perylene-d12	23.630	264	15191	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.244	96	4420	0.467	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.185	152	10035	0.324	ng/ul	0.00
18) Fluoranthene-d10	19.202	212	21122	0.397	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.282	88	733	0.073	ng/ul#	81
5) Naphthalene	10.639	128	3740	0.068	ng/ul#	92
7) 2-Methylnaphthalene	12.262	142	2437	0.069	ng/ul	100
8) 1-Methylnaphthalene	12.482	142	2395	0.066	ng/ul	99
10) Acenaphthylene	14.155	152	3482	0.065	ng/ul	94
11) Acenaphthene	14.497	153	2722	0.069	ng/ul	95
12) Fluorene	15.487	166	2996	0.069	ng/ul	97
14) Pentachlorophenol	16.833	266	333	0.066	ng/ul	96
15) Phenanthrene	17.221	178	4837	0.068	ng/ul	97
16) Anthracene	17.310	178	3845	0.060	ng/ul#	94
19) Fluoranthene	19.234	202	5391	0.079	ng/ul	97
20) Pyrene	19.597	202	5569	0.077	ng/ul#	95
21) Benzo(a)anthracene	21.338	228	4006	0.066	ng/ul	97
22) Chrysene	21.391	228	4668	0.073	ng/ul	98
24) Benzo(b)fluoranthene	22.946	252	4406m	0.081	ng/ul	
25) Benzo(k)fluoranthene	22.993	252	4405m	0.077	ng/ul	
26) Benzo(a)pyrene	23.533	252	4126	0.080	ng/ul#	28
27) Indeno(1,2,3-cd)pyrene	25.950	276	5331	0.073	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.967	278	3903	0.069	ng/ul#	76
29) Benzo(g,h,i)perylene	26.657	276	4326	0.073	ng/ul#	89

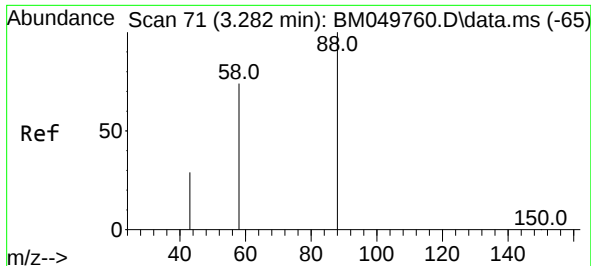
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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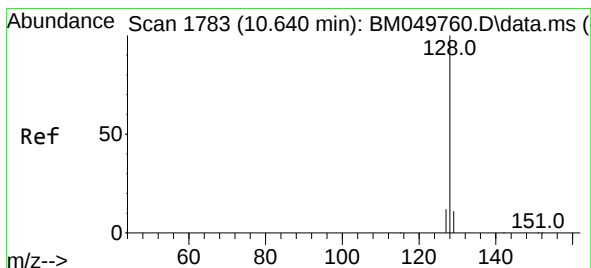
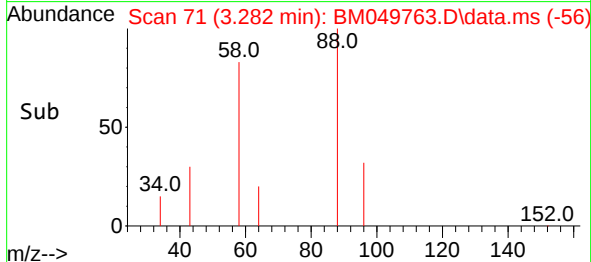
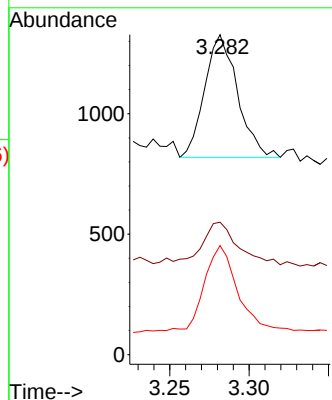
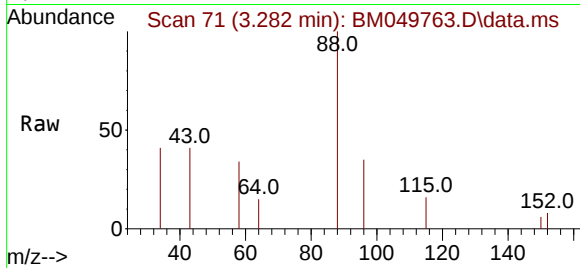




#2
1,4-Dioxane
Concen: 0.073 ng/ul
RT: 3.282 min Scan# 71
Delta R.T. -0.009 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

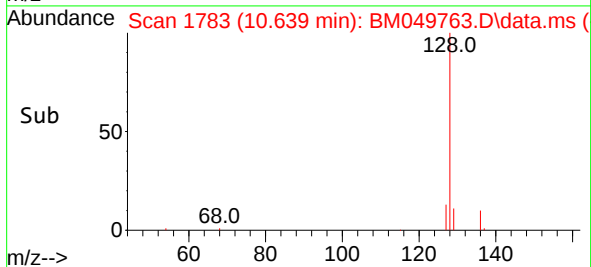
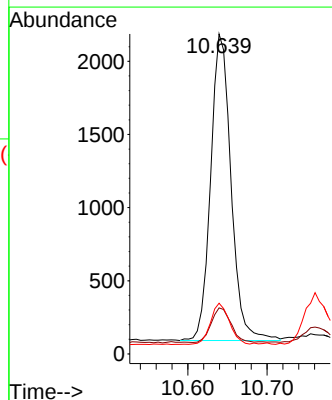
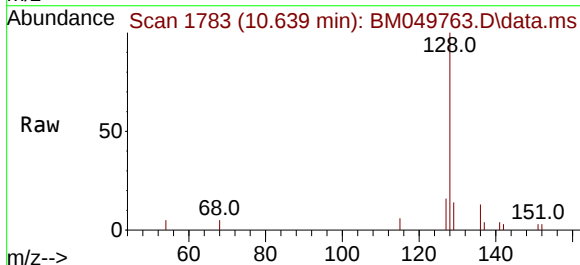
Instrument :
BNA_M
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MDL-SOIL-QT1-2025-02

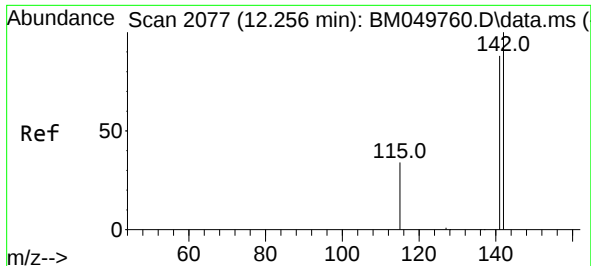
Tgt Ion: 88 Resp: 733
Ion Ratio Lower Upper
88 100
43 41.4 32.6 49.0
58 34.1 45.9 68.9#



#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.639 min Scan# 1783
Delta R.T. -0.010 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

Tgt Ion: 128 Resp: 3740
Ion Ratio Lower Upper
128 100
129 14.4 9.2 13.8#
127 15.8 10.2 15.4#

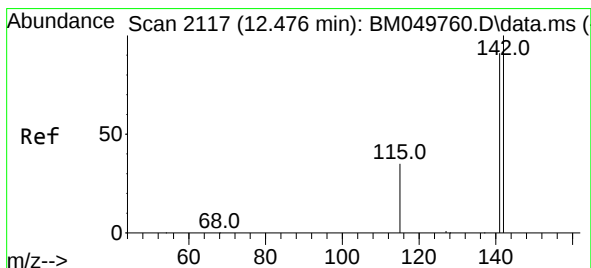
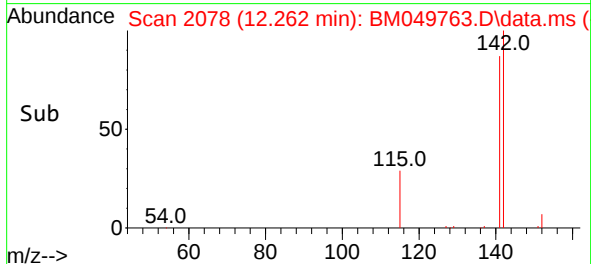
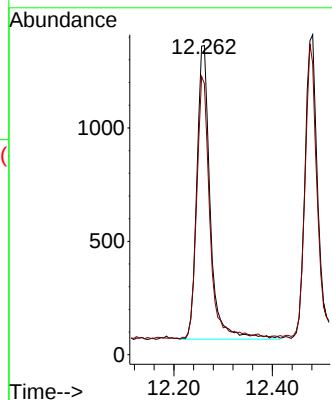
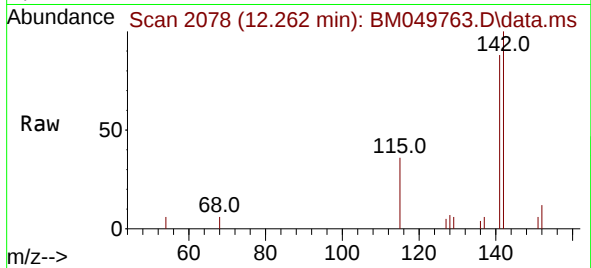




#7
2-Methylnaphthalene
Concen: 0.069 ng/ul
RT: 12.262 min Scan# 2078
Delta R.T. -0.004 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

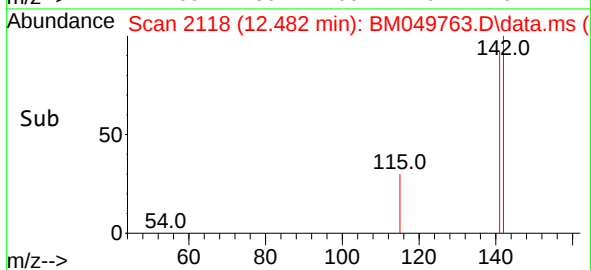
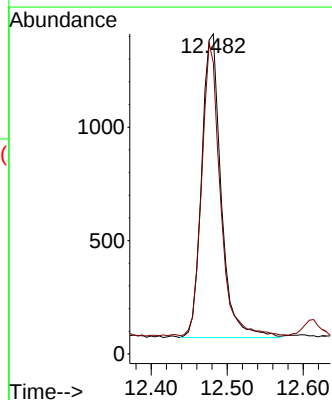
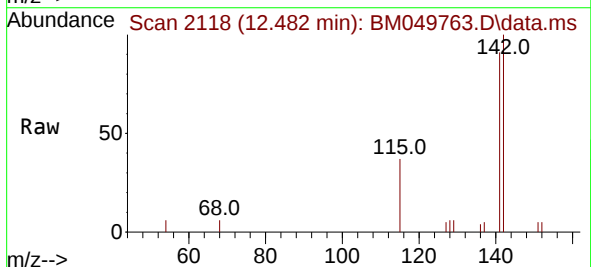
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2025-02

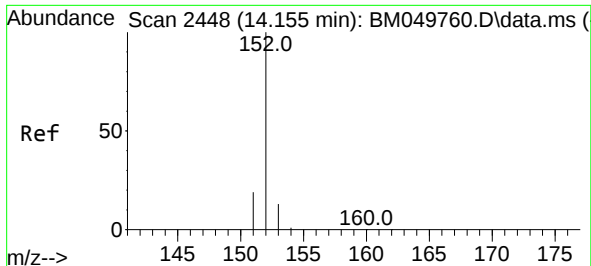
Tgt Ion:142 Resp: 2437
Ion Ratio Lower Upper
142 100
141 87.1 70.0 105.0



#8
1-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.482 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

Tgt Ion:142 Resp: 2395
Ion Ratio Lower Upper
142 100
141 91.9 72.4 108.6

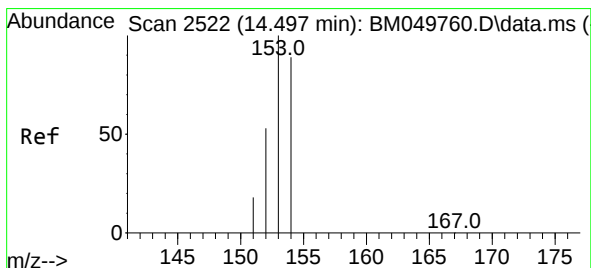
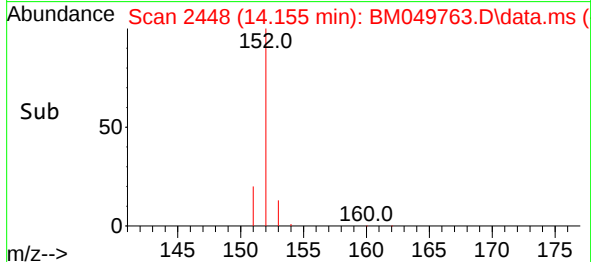
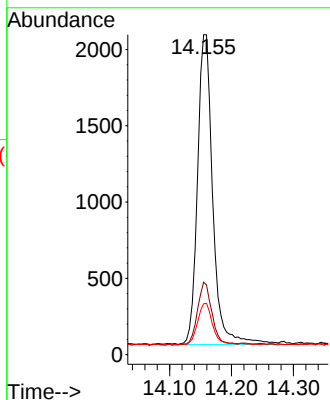
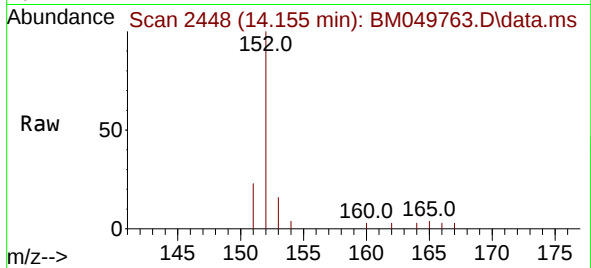




#10
Acenaphthylene
Concen: 0.065 ng/ul
RT: 14.155 min Scan# 2448
Delta R.T. -0.008 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

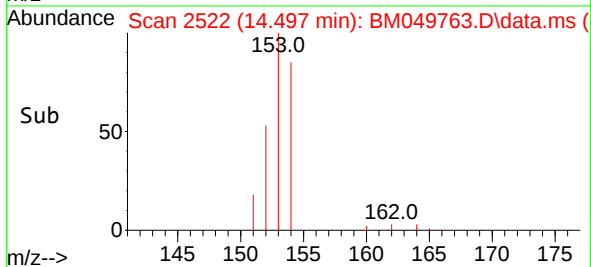
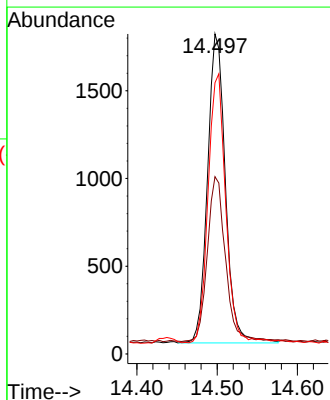
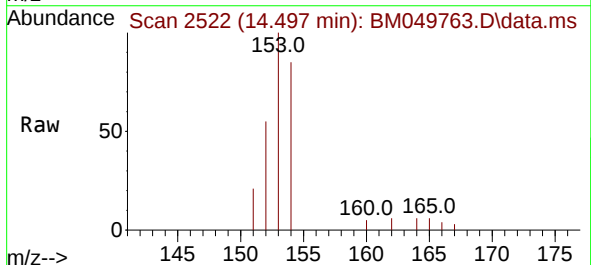
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2025-02

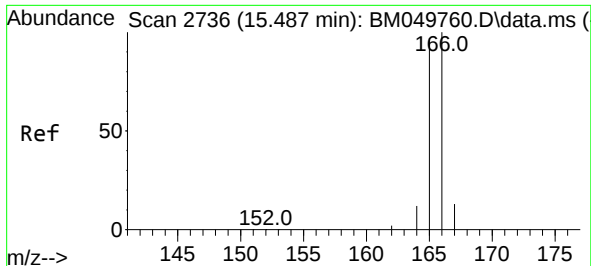
Tgt Ion:	152	Resp:	3482
Ion Ratio	Lower	Upper	
152	100		
151	22.7	15.8	23.6
153	15.9	11.0	16.4



#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.497 min Scan# 2522
Delta R.T. -0.008 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

Tgt Ion:	153	Resp:	2722
Ion Ratio	Lower	Upper	
153	100		
152	55.4	42.0	63.0
154	84.8	71.6	107.4

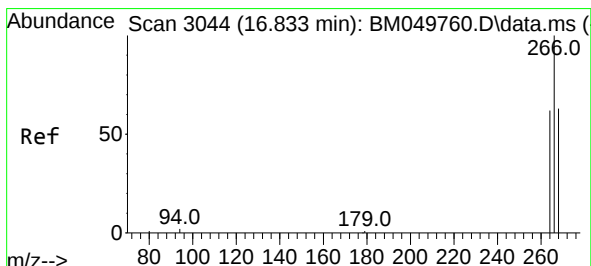
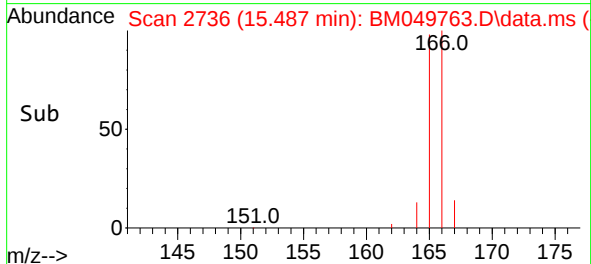
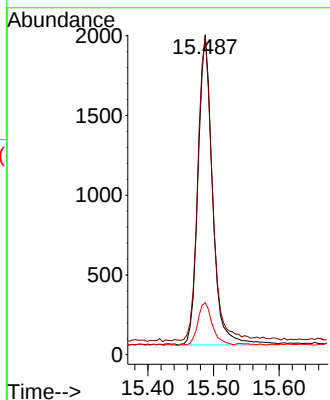
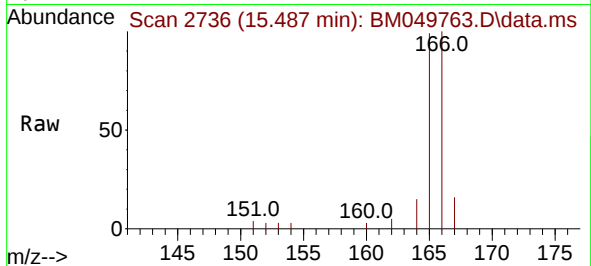




#12
Fluorene
Concen: 0.069 ng/ul
RT: 15.487 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

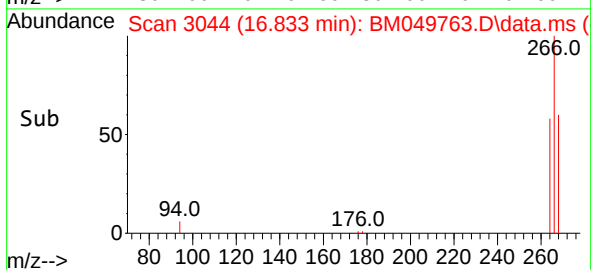
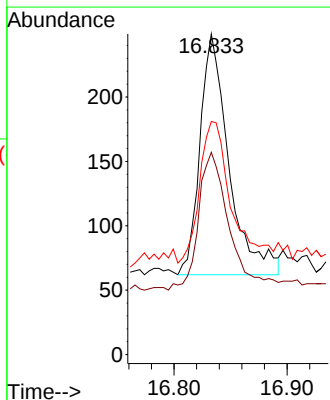
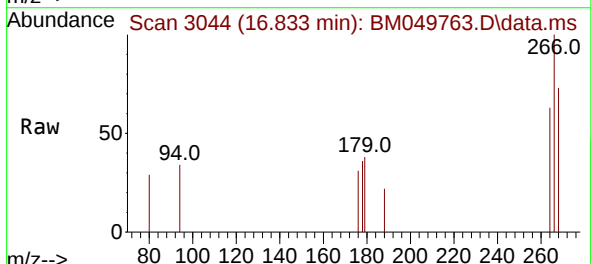
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2025-02

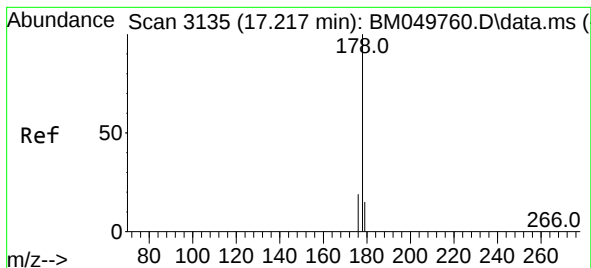
Tgt Ion:	166	Resp:	2996
Ion Ratio	Lower	Upper	
166	100		
165	99.4	77.6	116.4
167	16.2	11.1	16.7



#14
Pentachlorophenol
Concen: 0.066 ng/ul
RT: 16.833 min Scan# 3044
Delta R.T. -0.007 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

Tgt Ion:	266	Resp:	333
Ion Ratio	Lower	Upper	
266	100		
264	65.8	50.2	75.4
268	64.9	49.9	74.9





#15

Phenanthrene

Concen: 0.068 ng/ul

RT: 17.221 min Scan# 3135

Delta R.T. -0.003 min

Lab File: BM049763.D

Acq: 26 Mar 2025 11:30

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT1-2025-02

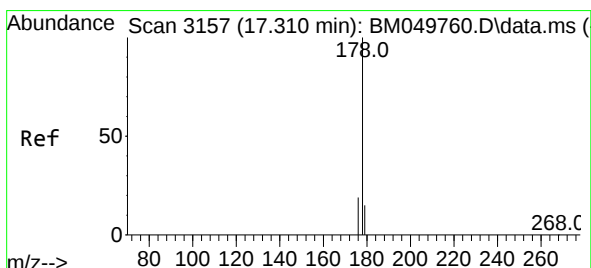
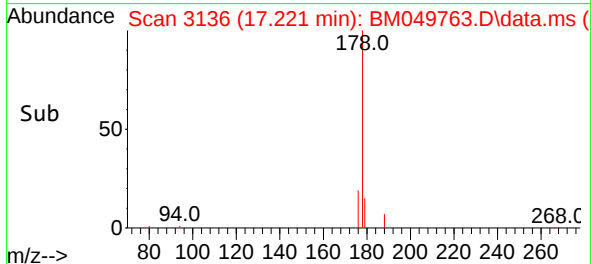
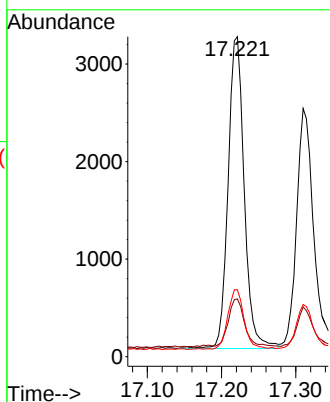
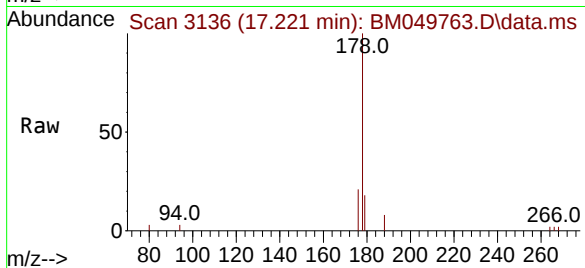
Tgt Ion:178 Resp: 4837

Ion Ratio Lower Upper

178 100

179 18.0 12.7 19.1

176 20.9 16.2 24.2



#16

Anthracene

Concen: 0.060 ng/ul

RT: 17.310 min Scan# 3157

Delta R.T. -0.007 min

Lab File: BM049763.D

Acq: 26 Mar 2025 11:30

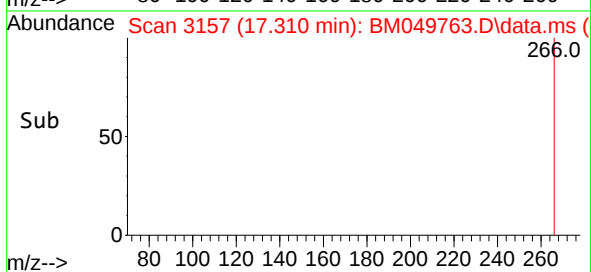
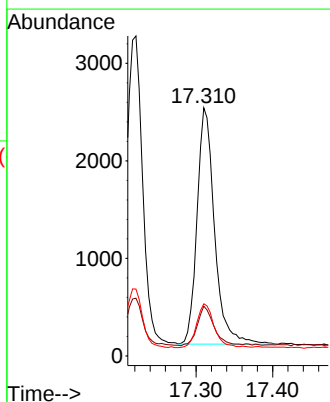
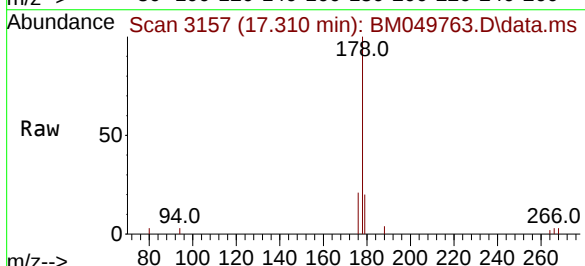
Tgt Ion:178 Resp: 3845

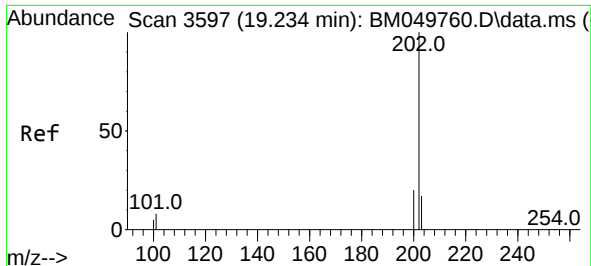
Ion Ratio Lower Upper

178 100

179 20.0 12.6 19.0#

176 21.0 15.5 23.3

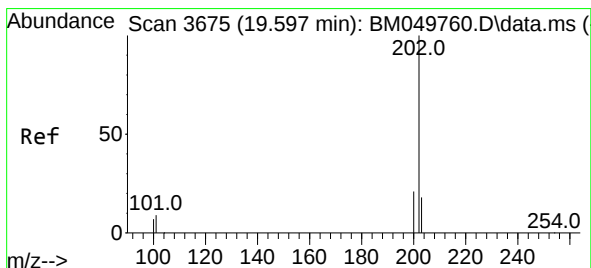
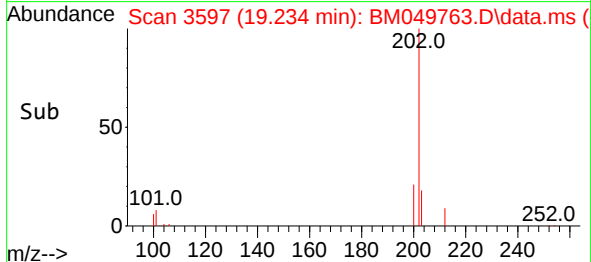
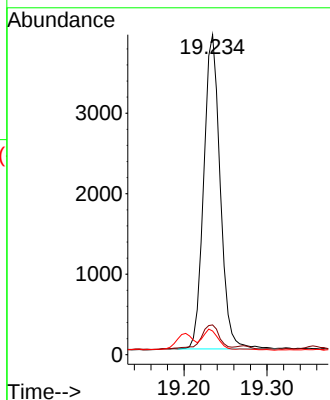
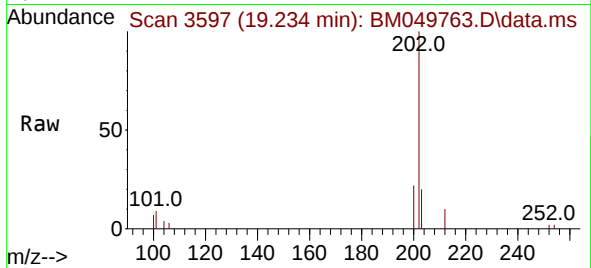




#19
Fluoranthene
Concen: 0.079 ng/u1
RT: 19.234 min Scan# 3597
Delta R.T. -0.008 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

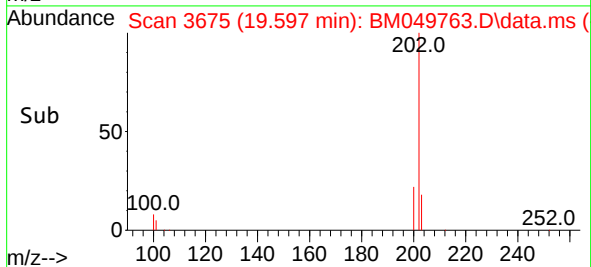
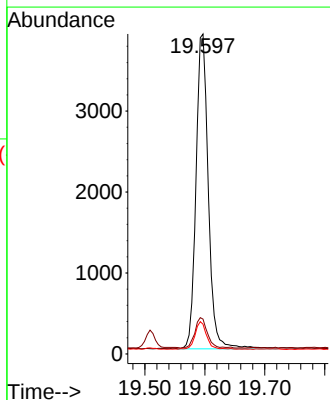
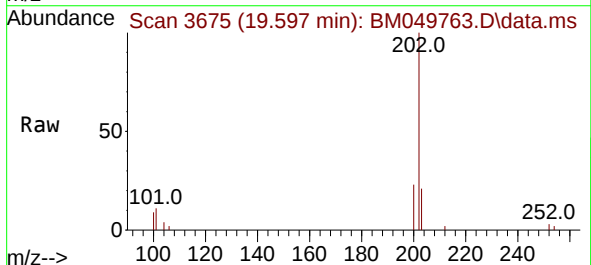
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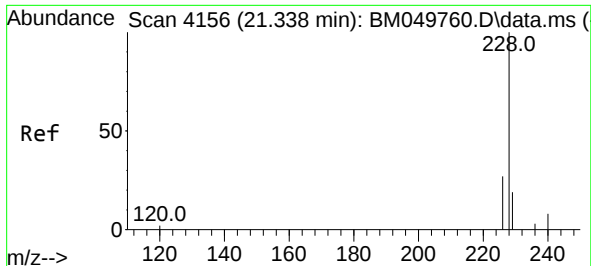
Tgt Ion:202 Resp: 5391
Ion Ratio Lower Upper
202 100
101 9.3 6.6 10.0
100 7.4 5.0 7.4



#20
Pyrene
Concen: 0.077 ng/u1
RT: 19.597 min Scan# 3675
Delta R.T. -0.008 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

Tgt Ion:202 Resp: 5569
Ion Ratio Lower Upper
202 100
101 10.9 7.4 11.2
100 9.3 6.0 9.0#

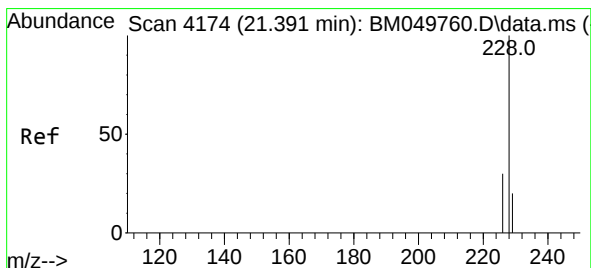
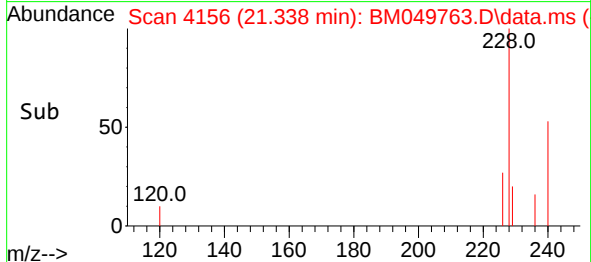
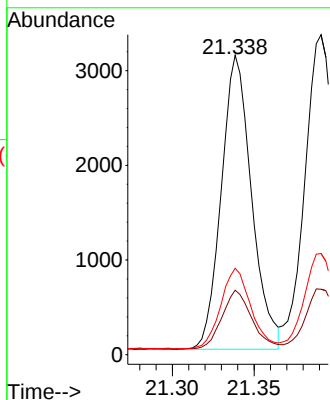
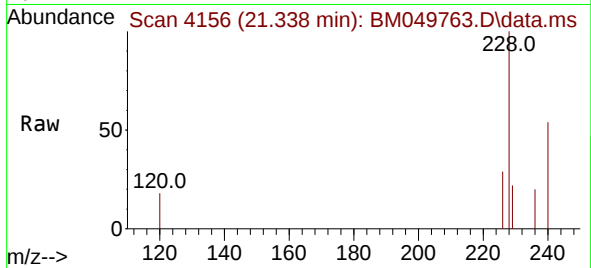




#21
Benzo(a)anthracene
Concen: 0.066 ng/u1
RT: 21.338 min Scan# 4156
Delta R.T. -0.012 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

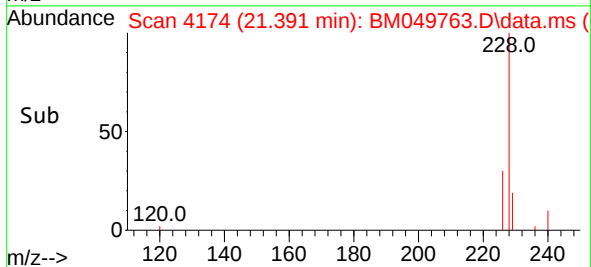
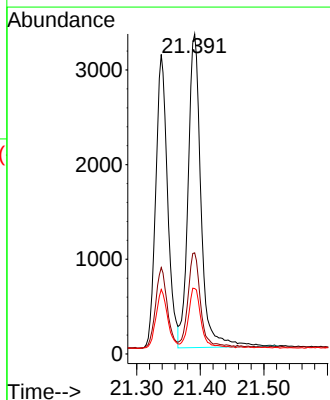
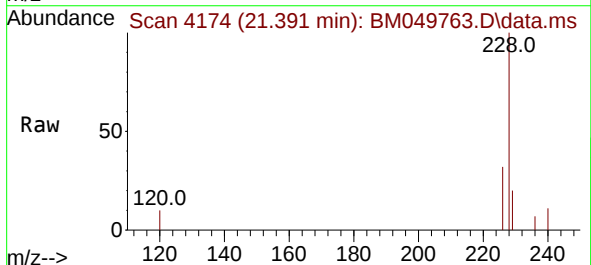
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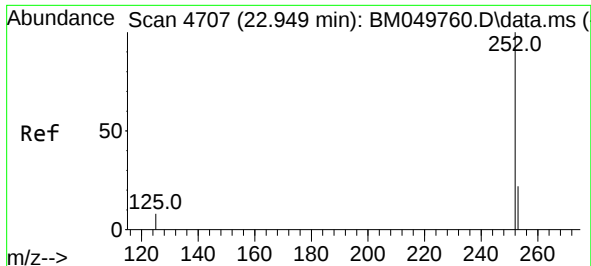
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Ion Ratio Lower Upper
228 100
229 21.5 16.0 24.0
226 28.9 22.1 33.1



#22
Chrysene
Concen: 0.073 ng/u1
RT: 21.391 min Scan# 4174
Delta R.T. -0.012 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

Tgt Ion:228 Resp: 4668
Ion Ratio Lower Upper
228 100
226 31.6 24.2 36.4
229 20.4 16.0 24.0

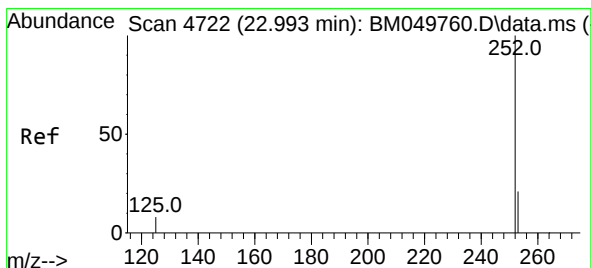
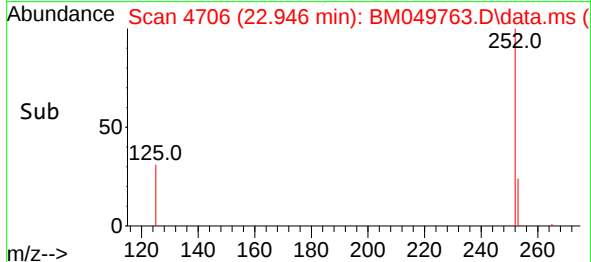
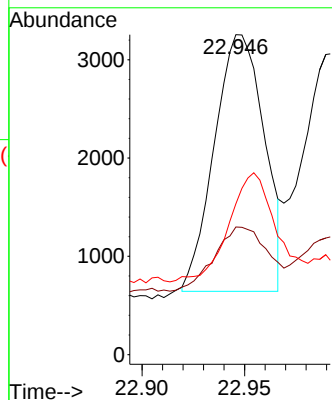
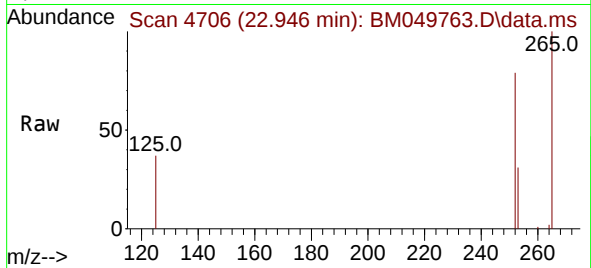




#24
Benzo(b)fluoranthene
Concen: 0.081 ng/ul m
RT: 22.946 min Scan# 4706
Delta R.T. -0.015 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

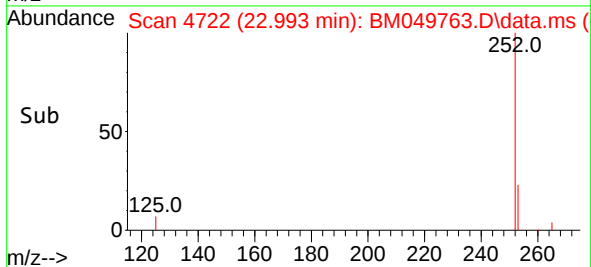
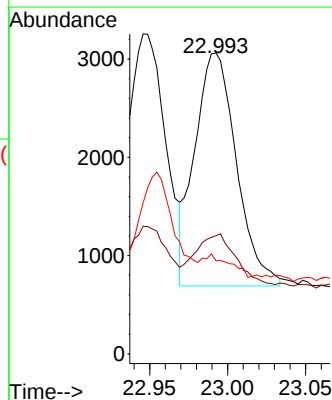
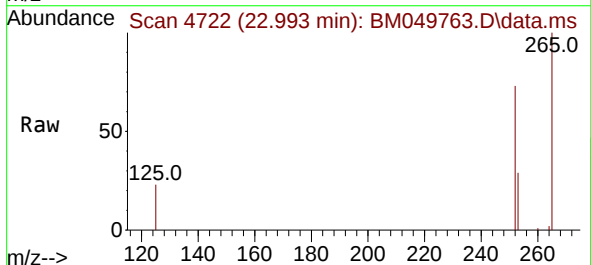
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2025-02

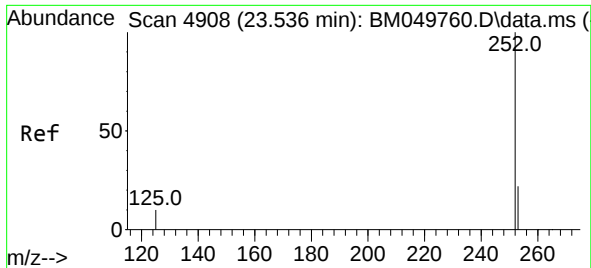
Tgt Ion:252 Resp: 4406
Ion Ratio Lower Upper
252 100
253 39.9 0.0 54.4
125 47.2 0.0 29.2#



#25
Benzo(k)fluoranthene
Concen: 0.077 ng/ul m
RT: 22.993 min Scan# 4722
Delta R.T. -0.015 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

Tgt Ion:252 Resp: 4405
Ion Ratio Lower Upper
252 100
253 39.3 22.2 33.2#
125 30.9 11.7 17.5#

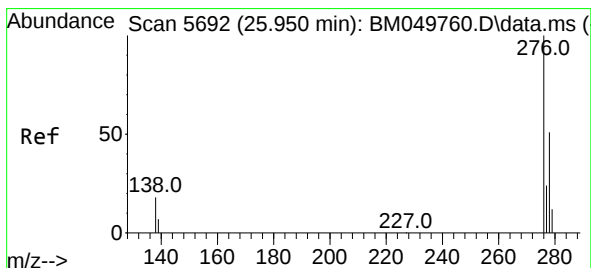
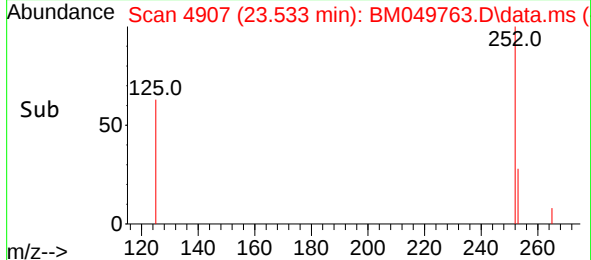
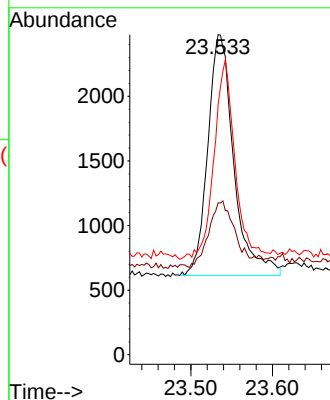
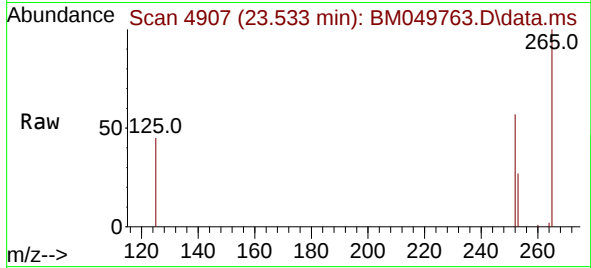




#26
Benzo(a)pyrene
Concen: 0.080 ng/ul
RT: 23.533 min Scan# 4907
Delta R.T. -0.018 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

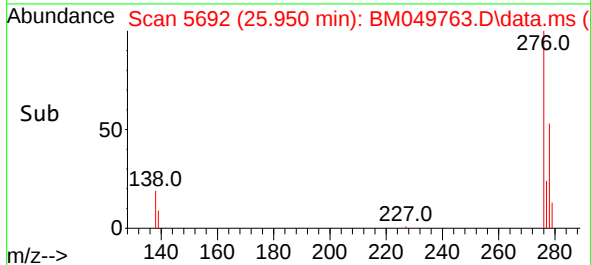
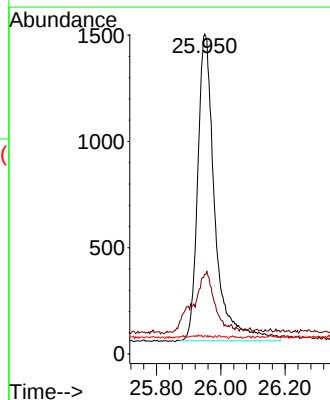
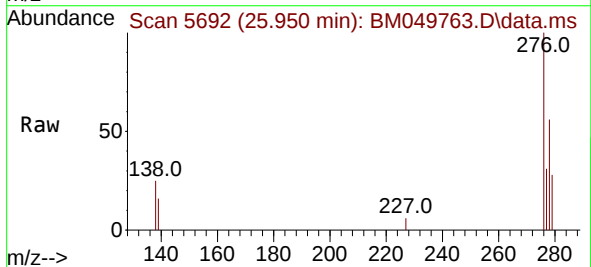
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2025-02

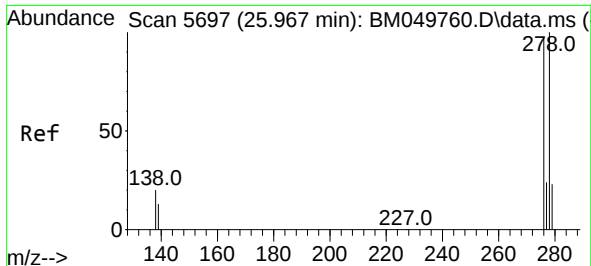
Tgt Ion:252 Resp: 4126
Ion Ratio Lower Upper
252 100
253 47.5 23.7 35.5#
125 78.1 15.0 22.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.073 ng/ul
RT: 25.950 min Scan# 5692
Delta R.T. -0.024 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

Tgt Ion:276 Resp: 5331
Ion Ratio Lower Upper
276 100
138 18.8 16.2 24.4
227 0.2 0.1 0.1#

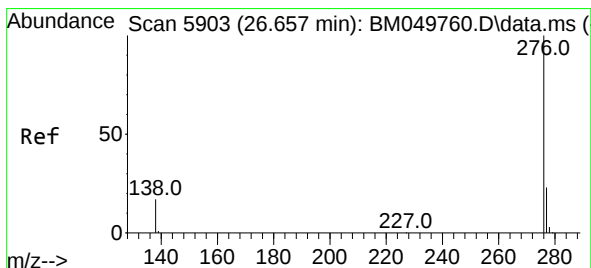
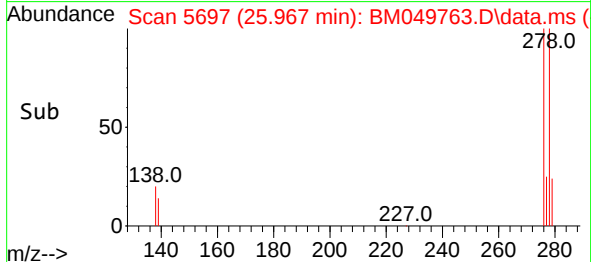
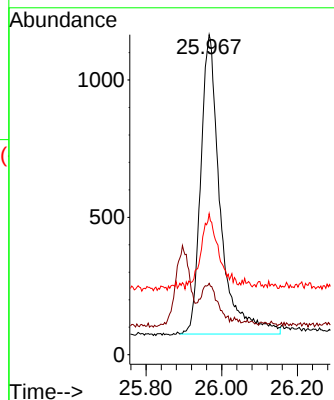
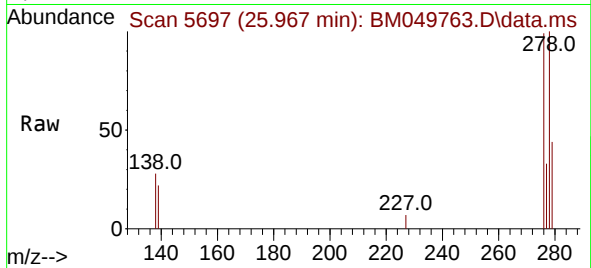




#28
Dibenzo(a,h)anthracene
Concen: 0.069 ng/ul
RT: 25.967 min Scan# 5697
Delta R.T. -0.024 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2025-02

Tgt Ion:278 Resp: 3903
Ion Ratio Lower Upper
278 100
139 22.3 13.0 19.4#
279 44.0 22.6 33.8#



#29
Benzo(g,h,i)perylene
Concen: 0.073 ng/ul
RT: 26.657 min Scan# 5903
Delta R.T. -0.024 min
Lab File: BM049763.D
Acq: 26 Mar 2025 11:30

Tgt Ion:276 Resp: 4326
Ion Ratio Lower Upper
276 100
138 25.4 15.2 22.8#
277 30.2 20.3 30.5

