

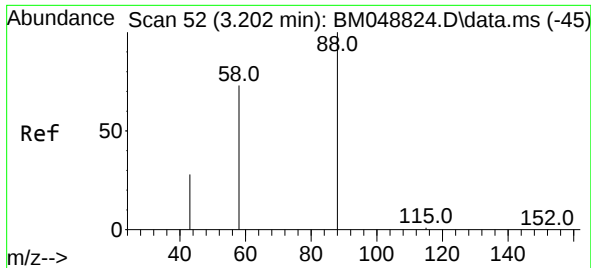
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120424\
 Data File : BM048828.D
 Acq On : 04 Dec 2024 11:27
 Operator : RC/JU
 Sample : P4776-04
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2024-08

Quant Time: Dec 04 12:02:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 00:22:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.603	152	3272	0.400	ng/ul	0.00
4) Naphthalene-d8	10.376	136	8556	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.238	164	4923	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.985	188	8553	0.400	ng/ul	0.00
17) Chrysene-d12	21.184	240	4940	0.400	ng/ul	0.00
23) Perylene-d12	23.355	264	6451	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.168	96	2741	0.656	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.970	152	4335	0.421	ng/ul	0.00
18) Fluoranthene-d10	19.016	212	7709m	0.506	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.202	88	614	0.124	ng/ul#	79
5) Naphthalene	10.425	128	1666	0.077	ng/ul#	78
7) 2-Methylnaphthalene	12.047	142	916	0.073	ng/ul	98
8) 1-Methylnaphthalene	12.267	142	1008	0.076	ng/ul	99
10) Acenaphthylene	13.956	152	1563	0.072	ng/ul#	89
11) Acenaphthene	14.299	153	1193	0.077	ng/ul	96
12) Fluorene	15.303	166	1174	0.073	ng/ul#	93
14) Pentachlorophenol	16.694	266	79m	0.107	ng/ul	
15) Phenanthrene	17.027	178	1510	0.070	ng/ul#	83
16) Anthracene	17.124	178	1158	0.060	ng/ul#	74
19) Fluoranthene	19.044	202	1941	0.085	ng/ul#	84
20) Pyrene	19.411	202	1980	0.084	ng/ul#	87
21) Benzo(a)anthracene	21.166	228	956	0.069	ng/ul#	91
22) Chrysene	21.216	228	1799	0.082	ng/ul#	90
24) Benzo(b)fluoranthene	22.709	252	1319	0.073	ng/ul#	53
25) Benzo(k)fluoranthene	22.759	252	2043	0.080	ng/ul#	40
26) Benzo(a)pyrene	23.262	252	1385	0.075	ng/ul#	35
27) Indeno(1,2,3-cd)pyrene	25.531	276	1872	0.076	ng/ul#	46
28) Dibenzo(a,h)anthracene	25.561	278	1367	0.074	ng/ul#	37
29) Benzo(g,h,i)perylene	26.181	276	1638	0.077	ng/ul#	78

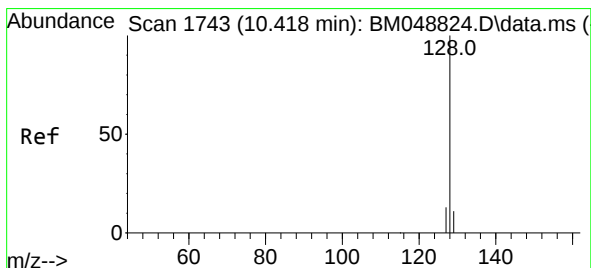
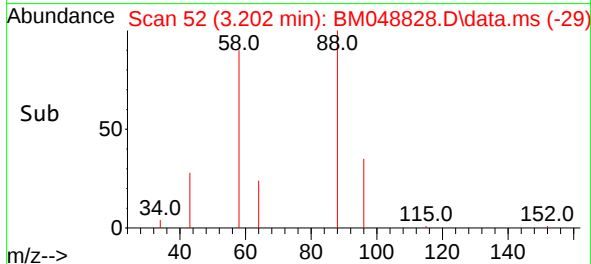
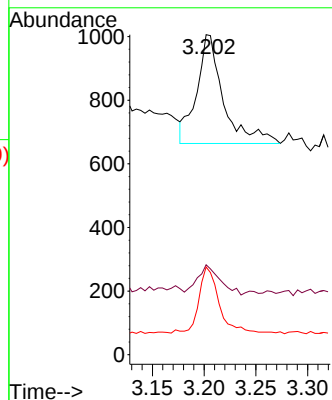
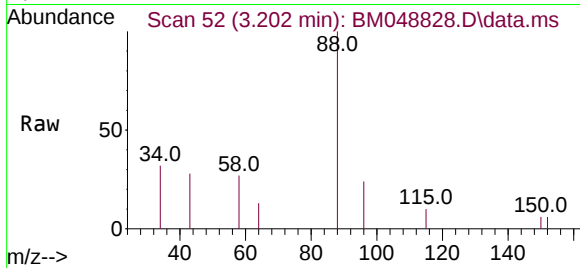
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 0.124 ng/ul
RT: 3.202 min Scan# 51
Delta R.T. -0.004 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

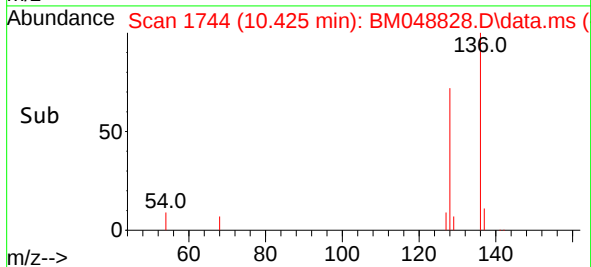
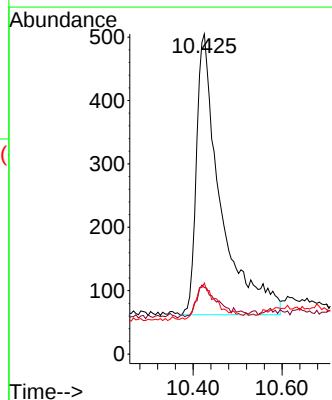
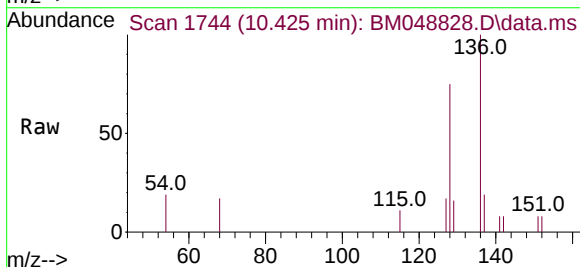
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-08

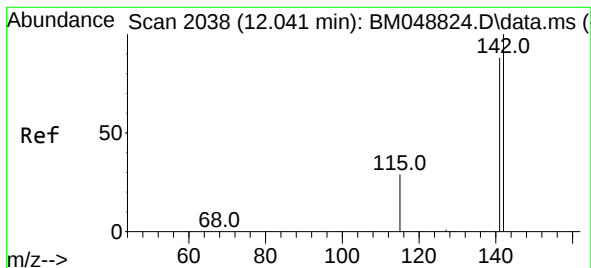
Tgt Ion: 88 Resp: 614
Ion Ratio Lower Upper
88 100
43 28.1 20.6 30.8
58 27.4 37.6 56.4#



#5
Naphthalene
Concen: 0.077 ng/ul
RT: 10.425 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

Tgt Ion:128 Resp: 1666
Ion Ratio Lower Upper
128 100
129 20.8 9.6 14.4#
127 22.2 10.7 16.1#

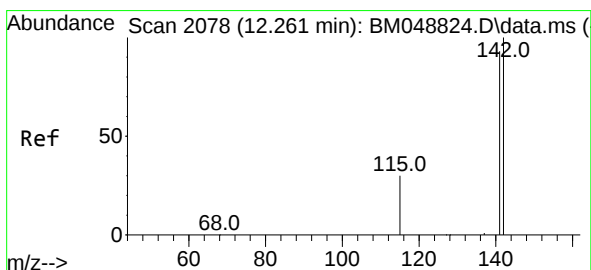
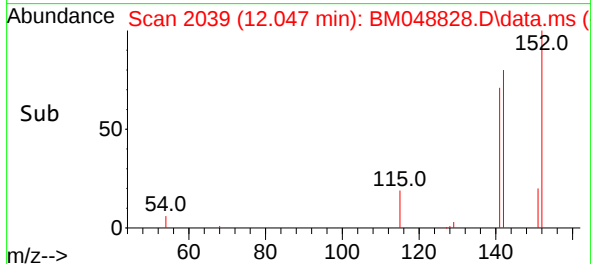
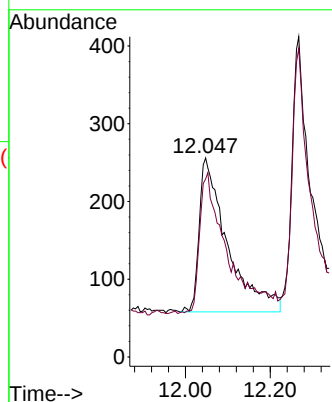
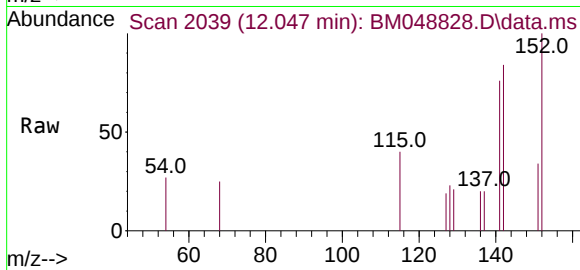




#7
2-Methylnaphthalene
Concen: 0.073 ng/ul
RT: 12.047 min Scan# 2039
Delta R.T. -0.005 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

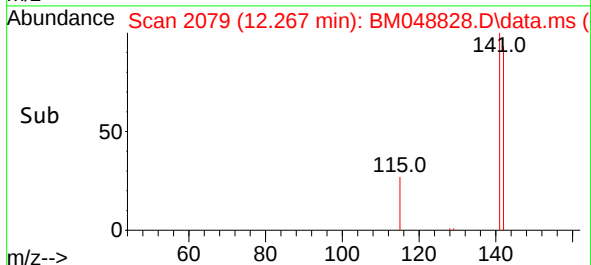
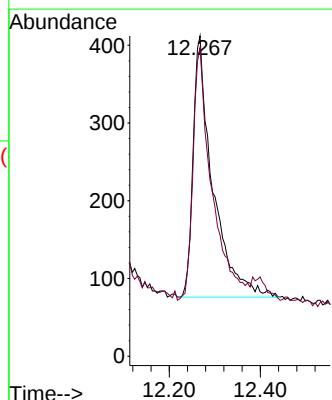
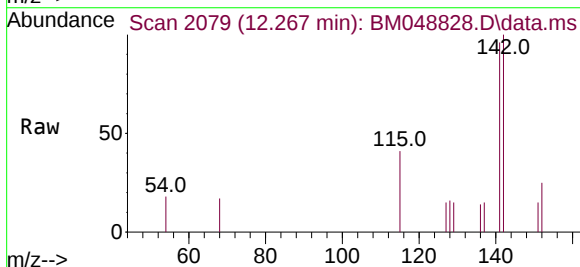
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-08

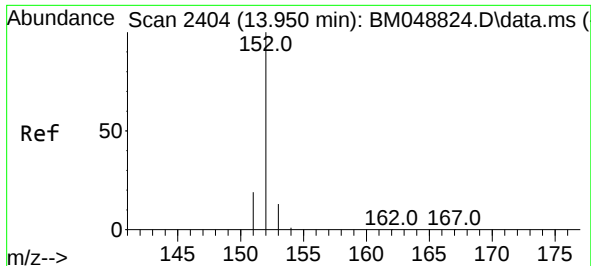
Tgt Ion:142 Resp: 916
Ion Ratio Lower Upper
142 100
141 89.2 73.0 109.6



#8
1-Methylnaphthalene
Concen: 0.076 ng/ul
RT: 12.267 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

Tgt Ion:142 Resp: 1008
Ion Ratio Lower Upper
142 100
141 92.0 72.5 108.7

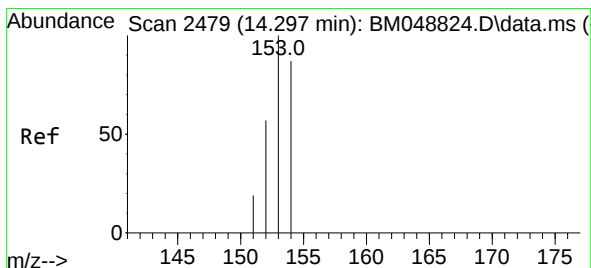
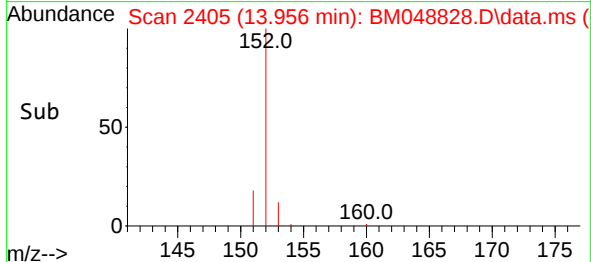
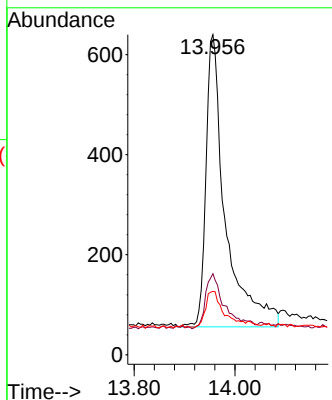
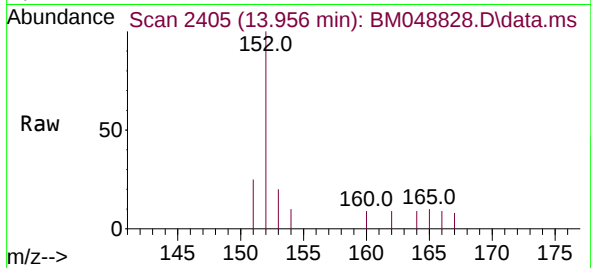




#10
Acenaphthylene
Concen: 0.072 ng/ul
RT: 13.956 min Scan# 2405
Delta R.T. -0.004 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

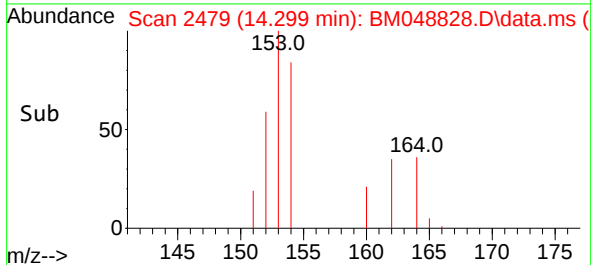
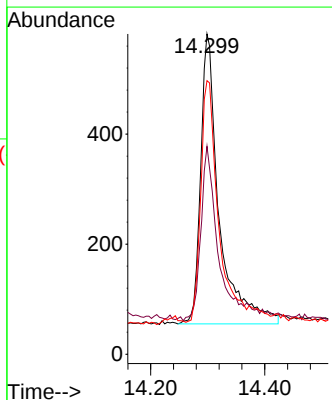
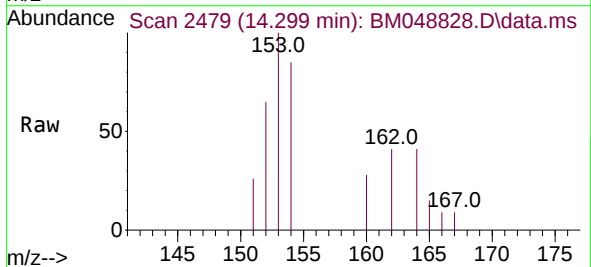
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-08

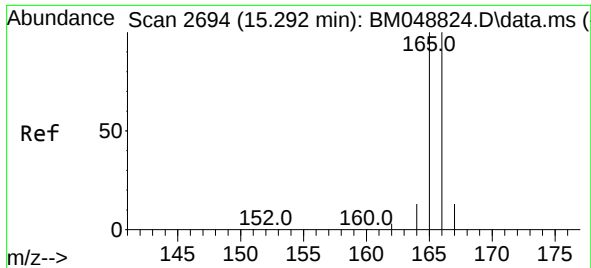
Tgt Ion:152 Resp: 1563
Ion Ratio Lower Upper
152 100
151 25.3 16.3 24.5#
153 19.8 11.7 17.5#



#11
Acenaphthene
Concen: 0.077 ng/ul
RT: 14.299 min Scan# 2479
Delta R.T. -0.004 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

Tgt Ion:153 Resp: 1193
Ion Ratio Lower Upper
153 100
152 64.9 46.5 69.7
154 85.4 68.7 103.1

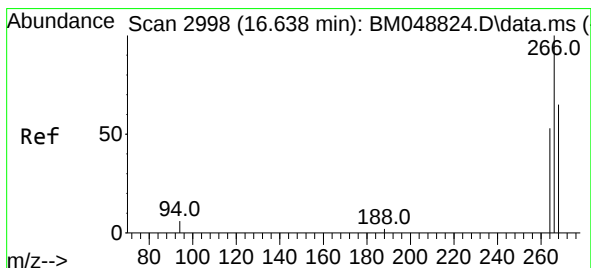
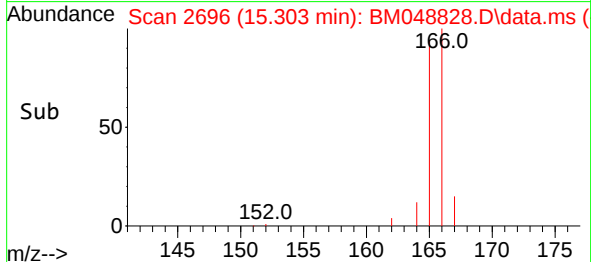
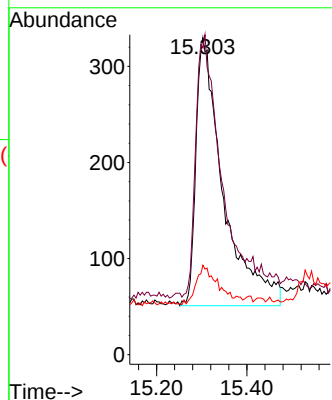
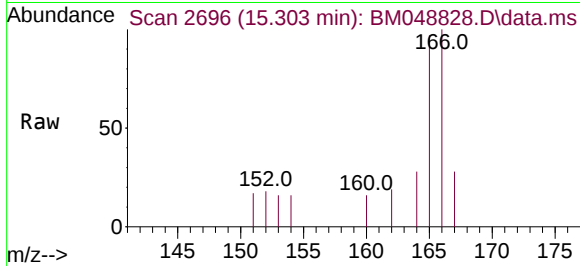




#12
Fluorene
Concen: 0.073 ng/ul
RT: 15.303 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

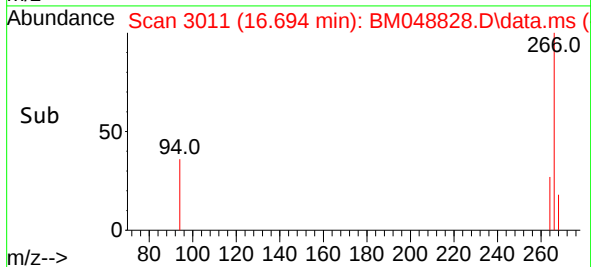
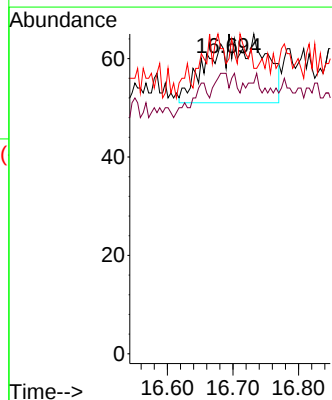
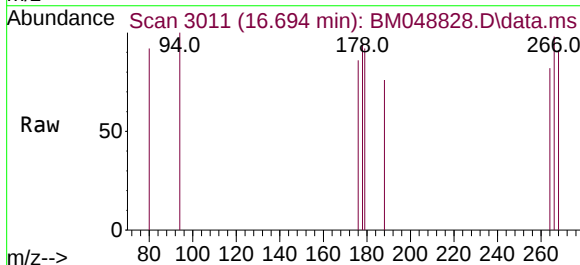
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-08

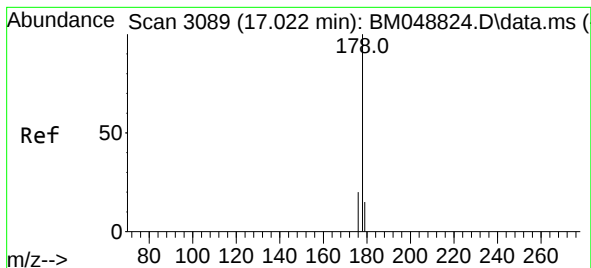
Tgt Ion:166 Resp: 1174
Ion Ratio Lower Upper
166 100
165 96.7 79.8 119.6
167 28.2 12.2 18.2#



#14
Pentachlorophenol
Concen: 0.107 ng/ul m
RT: 16.694 min Scan# 3011
Delta R.T. 0.038 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

Tgt Ion:266 Resp: 79
Ion Ratio Lower Upper
266 100
264 8.9 15.3 22.9#
268 13.9 0.0 0.0#





#15

Phenanthrene

Concen: 0.070 ng/ul

RT: 17.027 min Scan# 3089

Delta R.T. -0.004 min

Lab File: BM048828.D

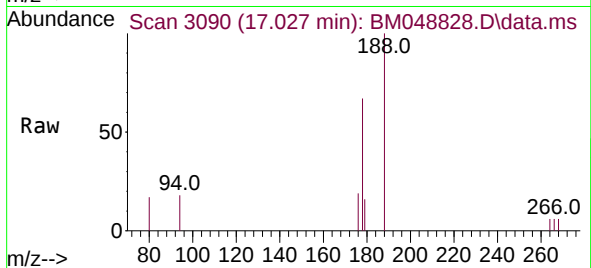
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Instrument :

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ClientSampleId :

MDL-SOIL-QT4-2024-08



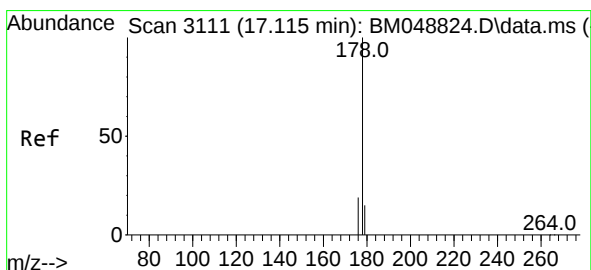
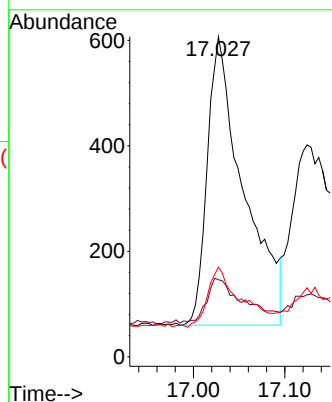
Tgt Ion:178 Resp: 1510

Ion Ratio Lower Upper

178 100

179 24.1 13.4 20.0#

176 28.0 16.2 24.4#



#16

Anthracene

Concen: 0.060 ng/ul

RT: 17.124 min Scan# 3113

Delta R.T. 0.000 min

Lab File: BM048828.D

Acq: 04 Dec 2024 11:27

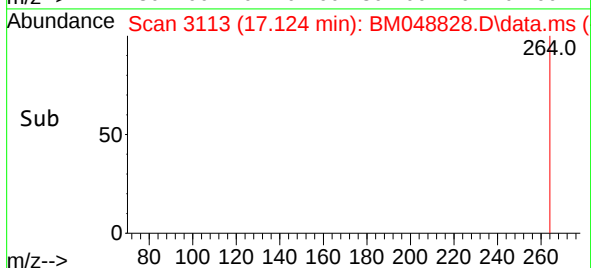
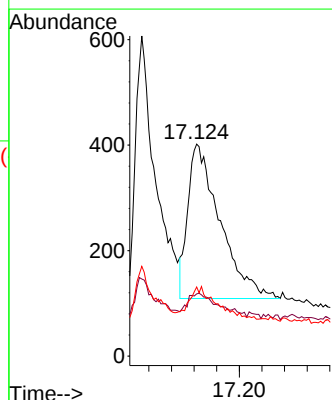
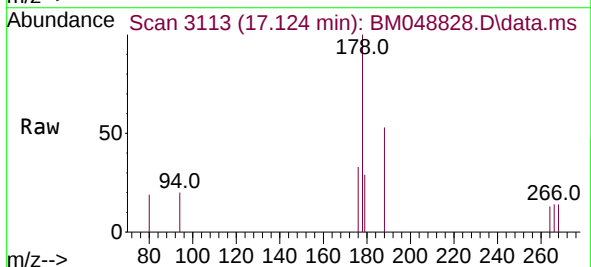
Tgt Ion:178 Resp: 1158

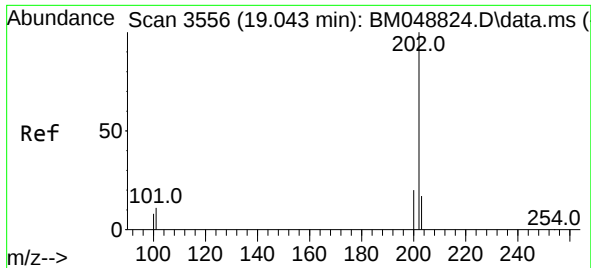
Ion Ratio Lower Upper

178 100

179 29.4 14.0 21.0#

176 32.6 17.0 25.4#

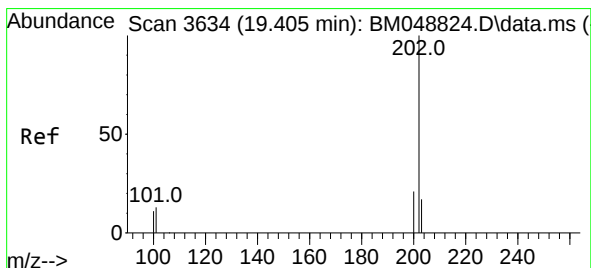
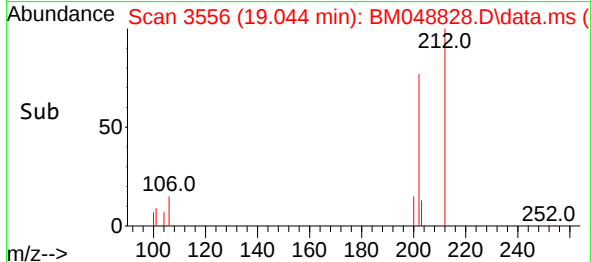
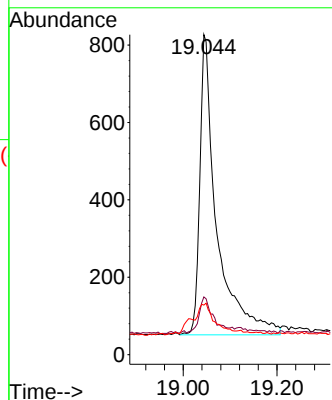
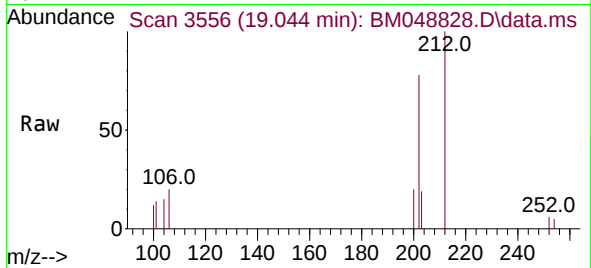




#19
Fluoranthene
Concen: 0.085 ng/ul
RT: 19.044 min Scan# 3556
Delta R.T. -0.009 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

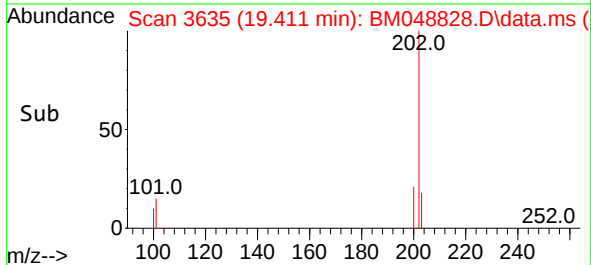
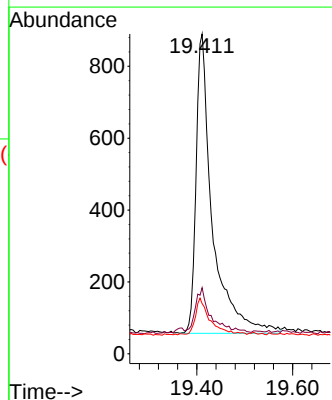
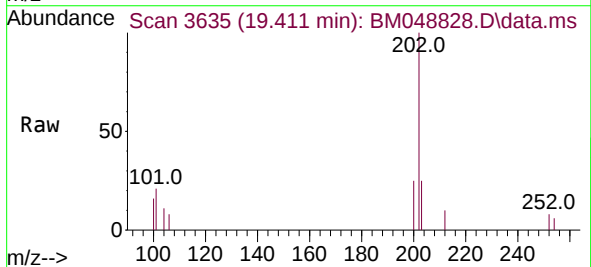
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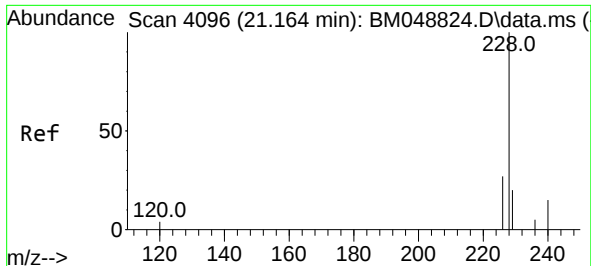
Tgt Ion:	202	Resp:	1941
Ion	Ratio	Lower	Upper
202	100		
101	18.0	9.7	14.5#
100	15.5	7.5	11.3#



#20
Pyrene
Concen: 0.084 ng/ul
RT: 19.411 min Scan# 3635
Delta R.T. -0.004 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

Tgt Ion:	202	Resp:	1980
Ion	Ratio	Lower	Upper
202	100		
101	20.7	11.6	17.4#
100	15.7	9.4	14.0#

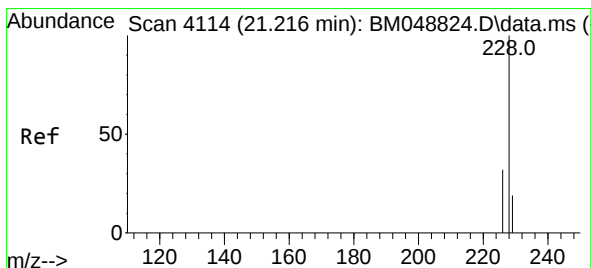
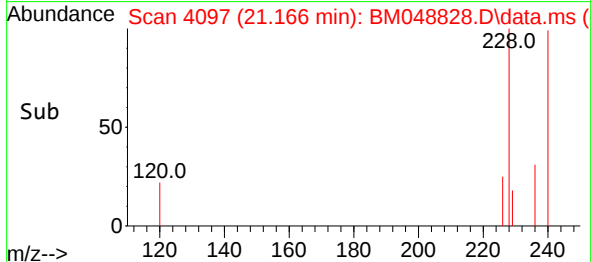
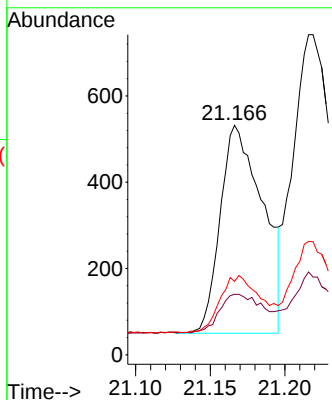
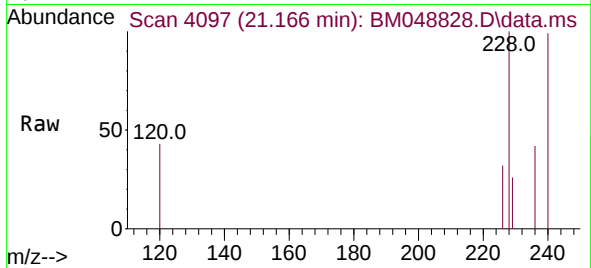




#21
Benzo(a)anthracene
Concen: 0.069 ng/ul
RT: 21.166 min Scan# 4097
Delta R.T. -0.006 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

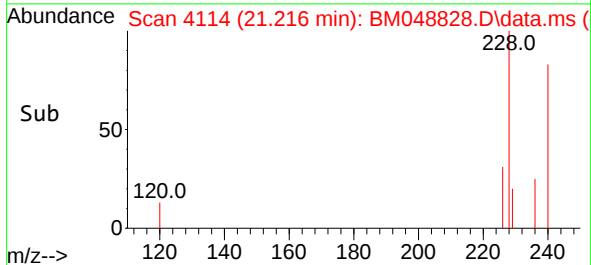
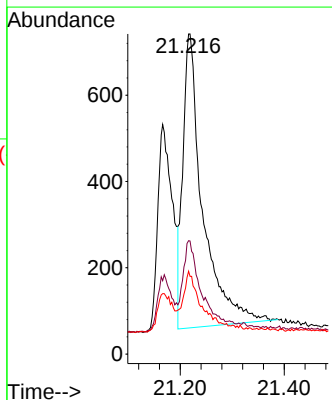
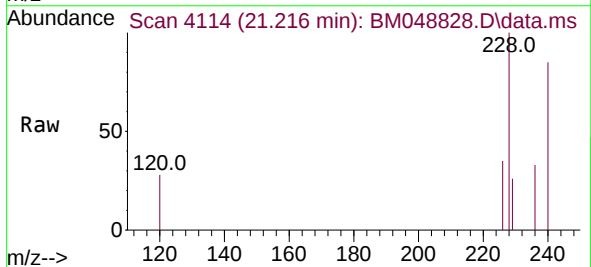
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-08

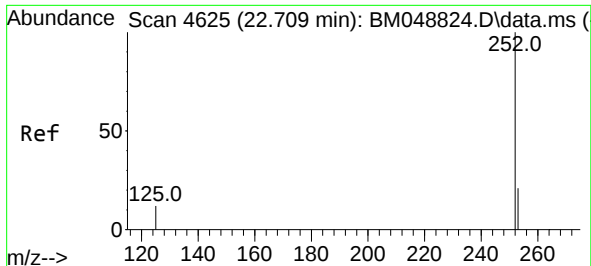
Tgt Ion:228 Resp: 956
Ion Ratio Lower Upper
228 100
229 26.3 17.0 25.6#
226 32.0 22.5 33.7



#22
Chrysene
Concen: 0.082 ng/ul
RT: 21.216 min Scan# 4114
Delta R.T. -0.006 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

Tgt Ion:228 Resp: 1799
Ion Ratio Lower Upper
228 100
226 35.4 24.6 37.0
229 25.9 16.1 24.1#

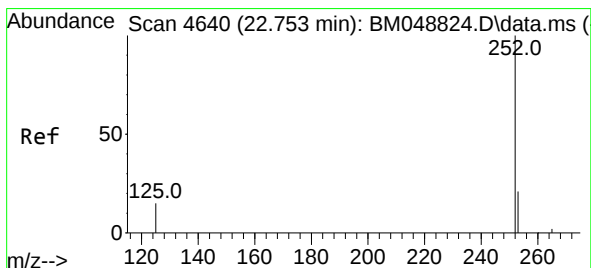
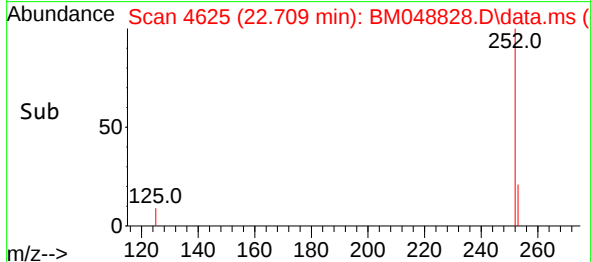
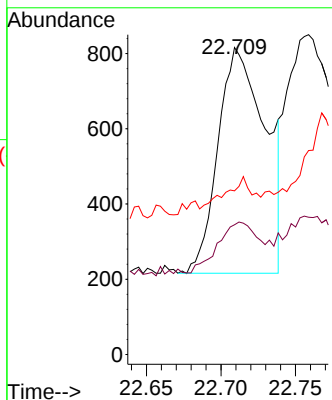
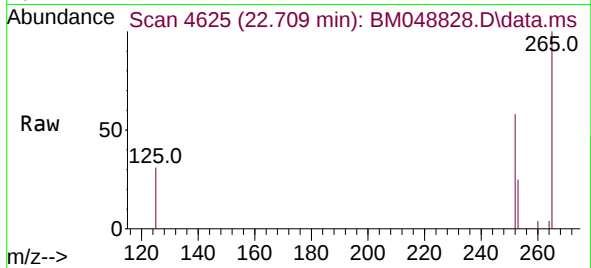




#24
Benzo(b)fluoranthene
Concen: 0.073 ng/ul
RT: 22.709 min Scan# 4625
Delta R.T. -0.011 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

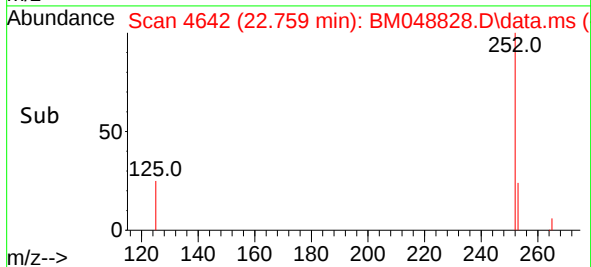
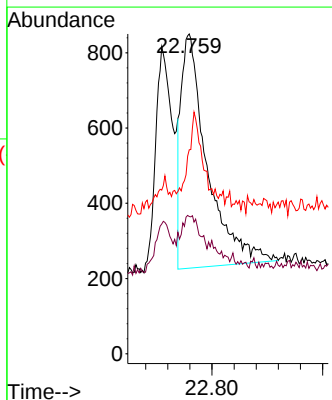
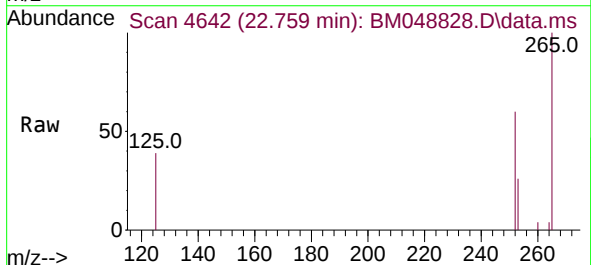
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-08

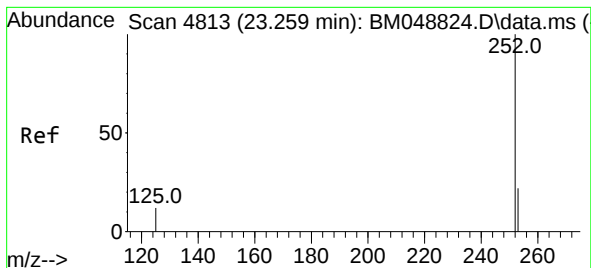
Tgt Ion:252 Resp: 1319
Ion Ratio Lower Upper
252 100
253 42.3 0.0 54.2
125 53.3 0.0 41.4#



#25
Benzo(k)fluoranthene
Concen: 0.080 ng/ul
RT: 22.759 min Scan# 4642
Delta R.T. -0.006 min
Lab File: BM048828.D
Acq: 04 Dec 2024 11:27

Tgt Ion:252 Resp: 2043
Ion Ratio Lower Upper
252 100
253 42.9 20.8 31.2#
125 63.8 16.2 24.4#





#26

Benzo(a)pyrene

Concen: 0.075 ng/ul

RT: 23.262 min Scan# 4814

Delta R.T. -0.011 min

Lab File: BM048828.D

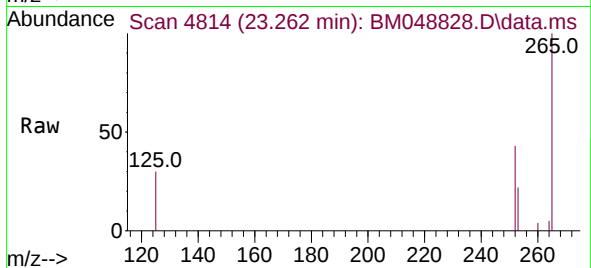
Acq: 04 Dec 2024 11:27

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2024-08



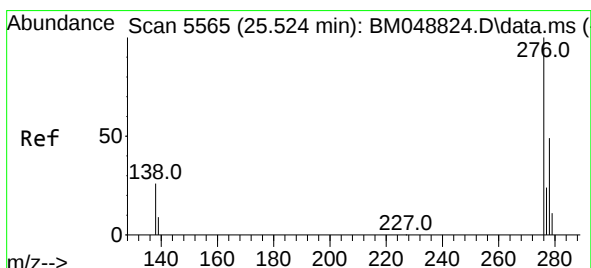
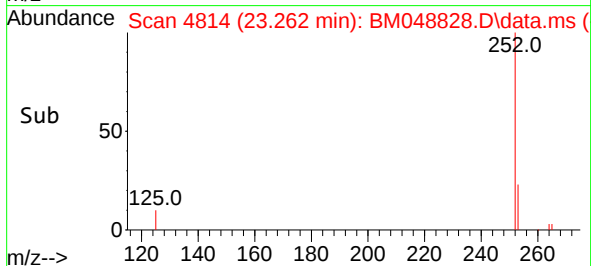
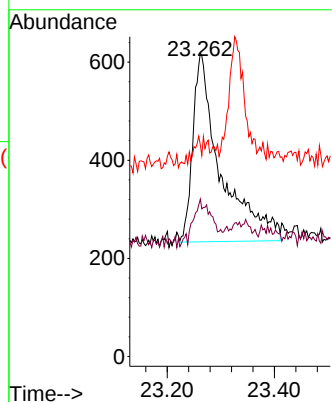
Tgt Ion:252 Resp: 1385

Ion Ratio Lower Upper

252 100

253 51.9 22.5 33.7#

125 69.6 20.6 30.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.076 ng/ul

RT: 25.531 min Scan# 5567

Delta R.T. -0.017 min

Lab File: BM048828.D

Acq: 04 Dec 2024 11:27

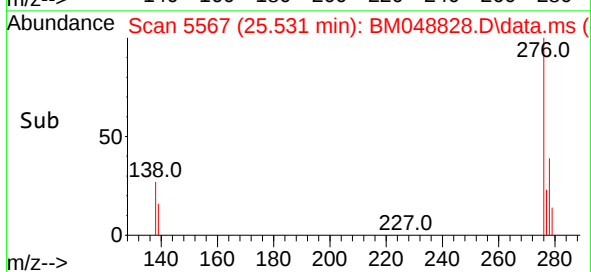
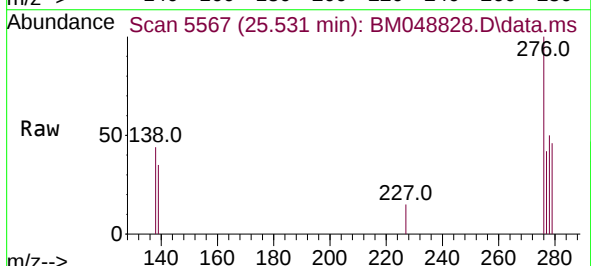
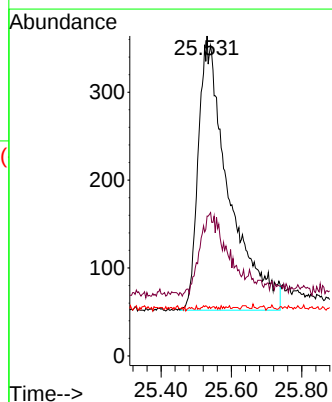
Tgt Ion:276 Resp: 1872

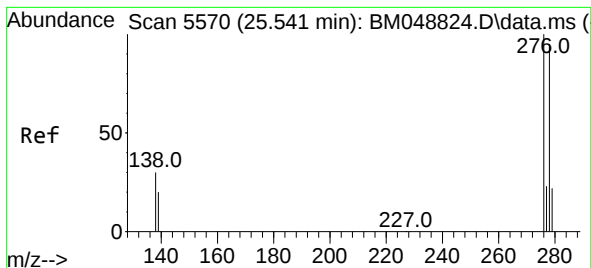
Ion Ratio Lower Upper

276 100

138 0.0 23.3 34.9#

227 0.3 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.074 ng/ul

RT: 25.561 min Scan# 5

Delta R.T. -0.003 min

Lab File: BM048828.D

Acq: 04 Dec 2024 11:27

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2024-08

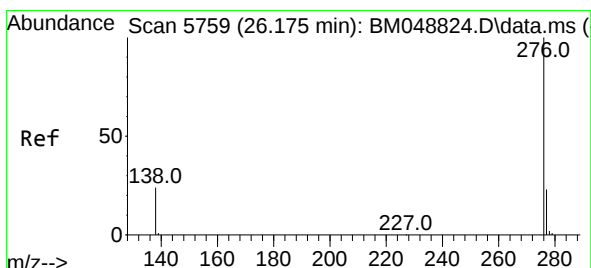
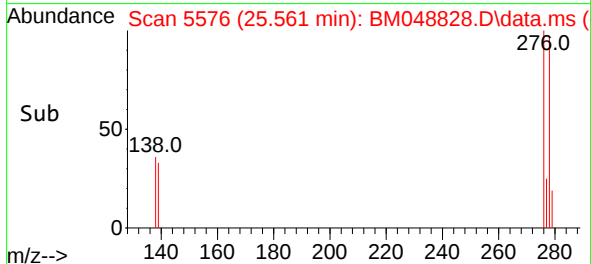
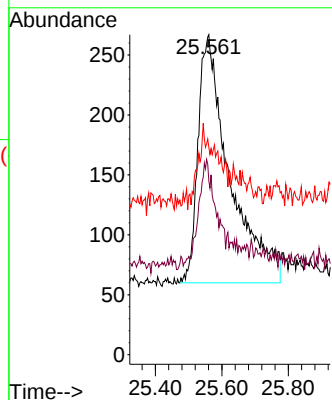
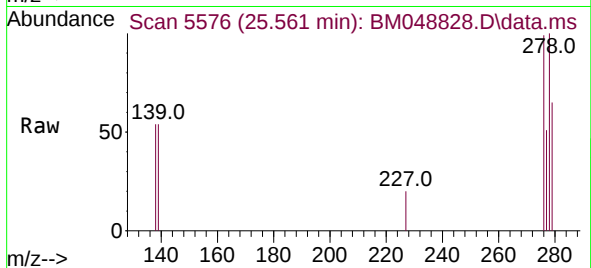
Tgt Ion:278 Resp: 1367

Ion Ratio Lower Upper

278 100

139 54.3 18.6 27.8#

279 64.8 24.7 37.1#



#29

Benzo(g,h,i)perylene

Concen: 0.077 ng/ul

RT: 26.181 min Scan# 5761

Delta R.T. -0.013 min

Lab File: BM048828.D

Acq: 04 Dec 2024 11:27

Tgt Ion:276 Resp: 1638

Ion Ratio Lower Upper

276 100

138 38.6 22.2 33.2#

277 39.3 21.8 32.6#

