

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072924\
 Data File : BM046918.D
 Acq On : 30 Jul 2024 12:52
 Operator : MA/JU
 Sample : PB162178BS
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS178

Quant Time: Jul 30 13:38:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 04:18:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

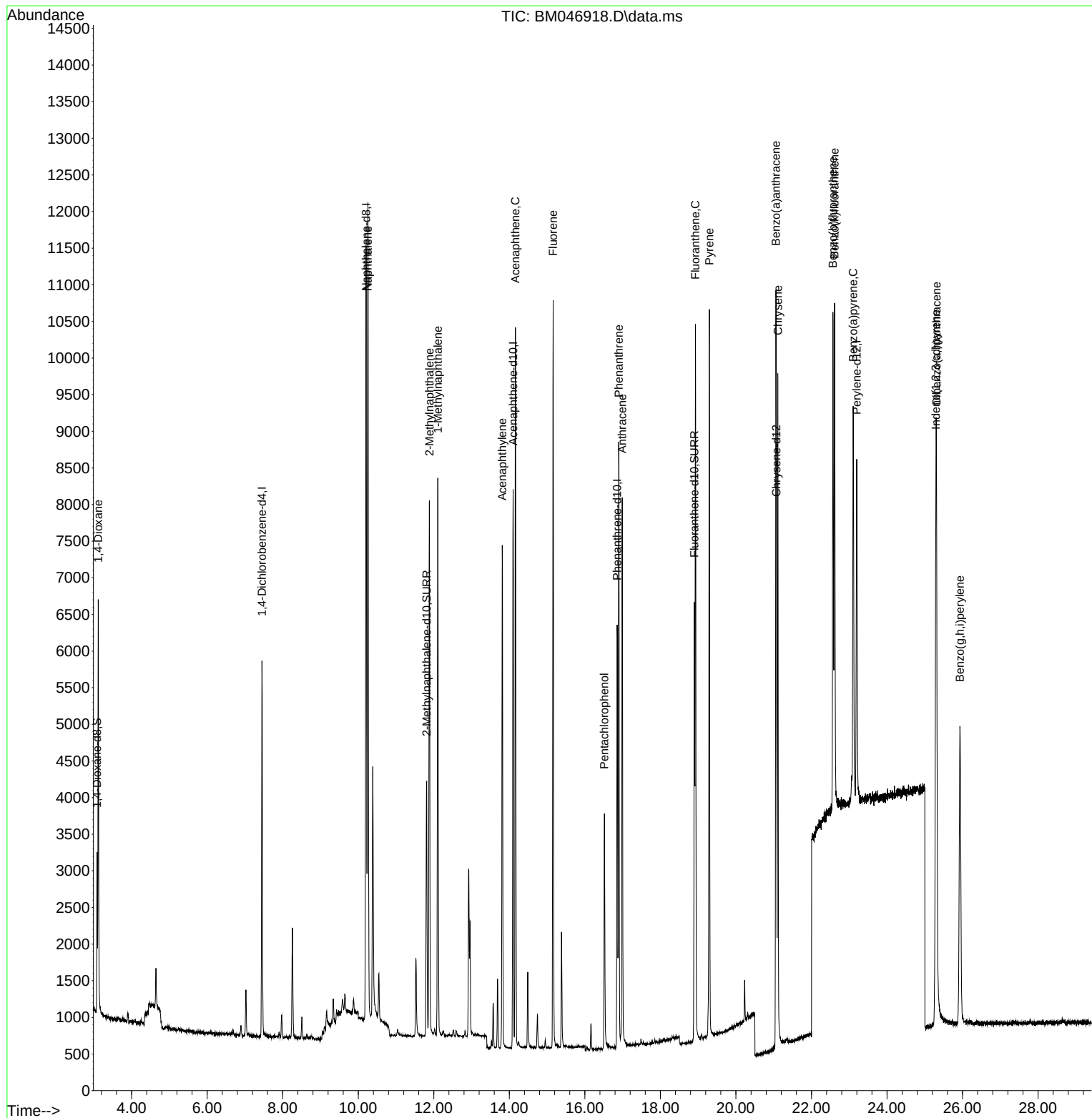
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.451	152	2545	0.400	ng/ul	0.00
4) Naphthalene-d8	10.205	136	14364	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.100	164	4177	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.854	188	7608	0.400	ng/ul	0.00
17) Chrysene-d12	21.073	240	4948	0.400	ng/ul	0.00
23) Perylene-d12	23.197	264	5738	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.084	96	1273	0.714	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.811	152	4882	0.214	ng/ul	0.00
18) Fluoranthene-d10	18.900	212	7277	0.452	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.117	88	3461	1.697	ng/ul#	85
5) Naphthalene	10.255	128	14798	0.407	ng/ul	98
7) 2-Methylnaphthalene	11.882	142	5190	0.208	ng/ul	100
8) 1-Methylnaphthalene	12.108	142	5184	0.201	ng/ul	99
10) Acenaphthylene	13.813	152	7870	0.411	ng/ul	99
11) Acenaphthene	14.160	153	5546	0.427	ng/ul	97
12) Fluorene	15.159	166	6237	0.384	ng/ul	95
14) Pentachlorophenol	16.516	266	2235	0.649	ng/ul	98
15) Phenanthrene	16.896	178	8560	0.391	ng/ul	100
16) Anthracene	16.989	178	8007	0.393	ng/ul	99
19) Fluoranthene	18.928	202	8979	0.413	ng/ul	99
20) Pyrene	19.295	202	9249	0.411	ng/ul	98
21) Benzo(a)anthracene	21.058	228	8011	0.389	ng/ul	100
22) Chrysene	21.111	228	8037	0.384	ng/ul	98
24) Benzo(b)fluoranthene	22.569	252	8454	0.336	ng/ul	97
25) Benzo(k)fluoranthene	22.610	252	9010	0.355	ng/ul#	97
26) Benzo(a)pyrene	23.104	252	7789	0.431	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.292	276	11106	0.399	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.309	278	8565	0.420	ng/ul	99
29) Benzo(g,h,i)perylene	25.930	276	8947	0.365	ng/ul	99

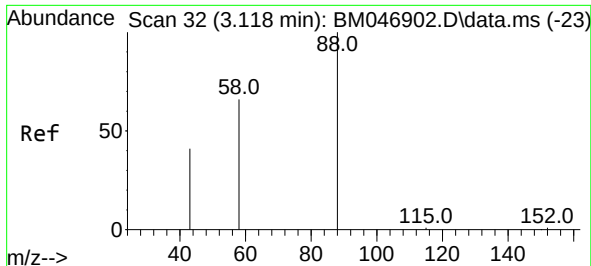
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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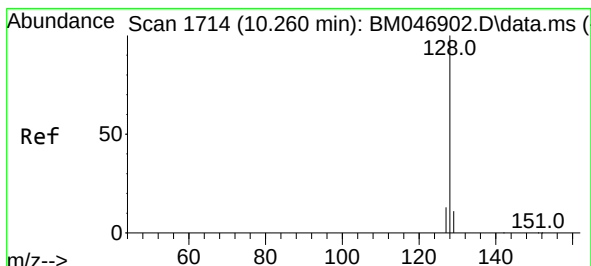
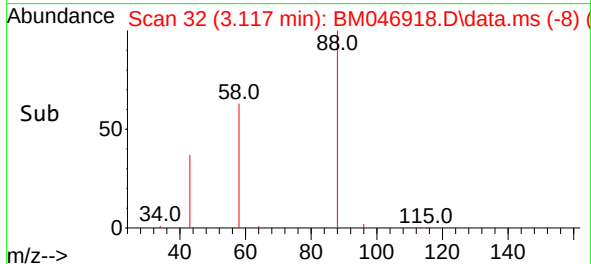
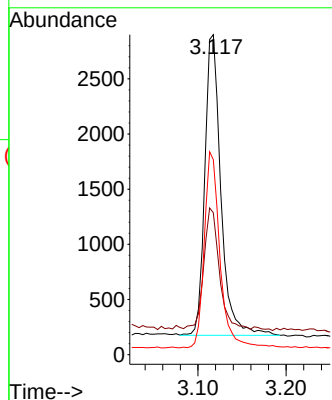
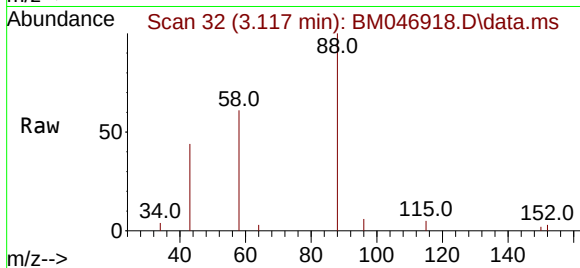




#2
1,4-Dioxane
Concen: 1.697 ng/ul
RT: 3.117 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

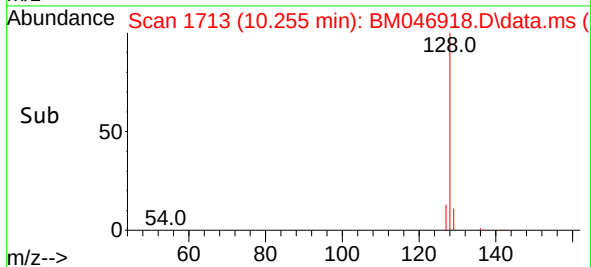
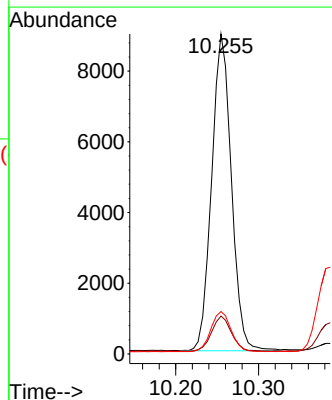
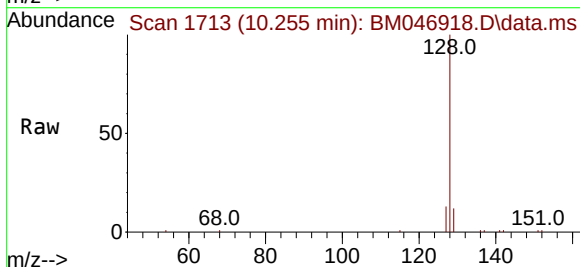
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SLCS178

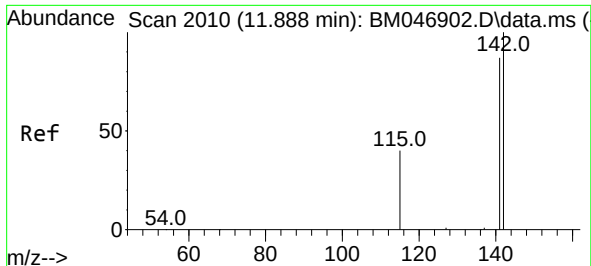
Tgt Ion: 88 Resp: 3461
Ion Ratio Lower Upper
88 100
43 44.3 42.1 63.1
58 60.9 38.3 57.5#



#5
Naphthalene
Concen: 0.407 ng/ul
RT: 10.255 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

Tgt Ion: 128 Resp: 14798
Ion Ratio Lower Upper
128 100
129 11.9 10.1 15.1
127 13.3 11.5 17.3

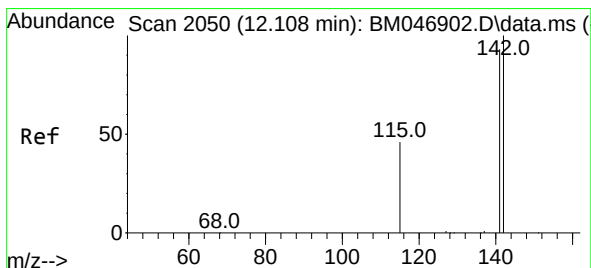
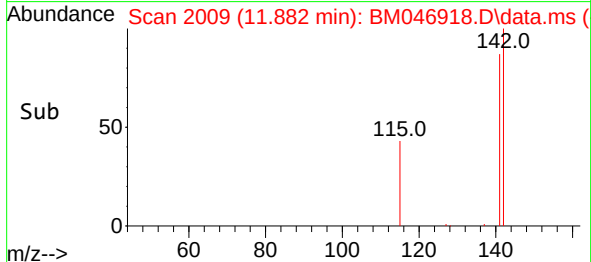
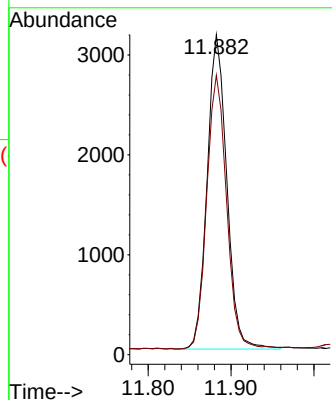
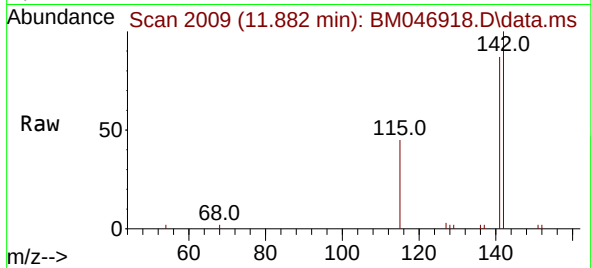




#7
2-Methylnaphthalene
Concen: 0.208 ng/ul
RT: 11.882 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

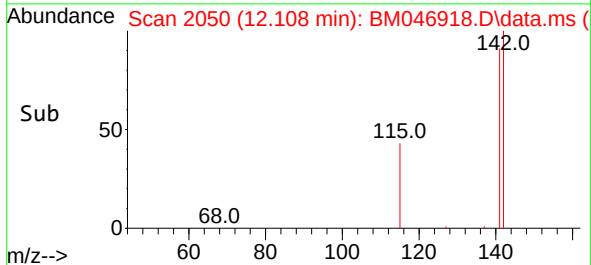
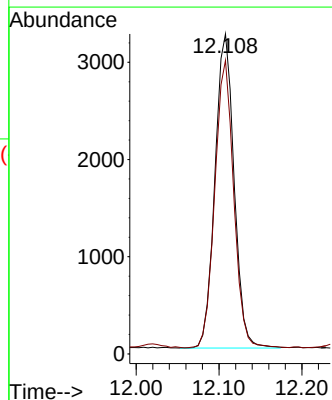
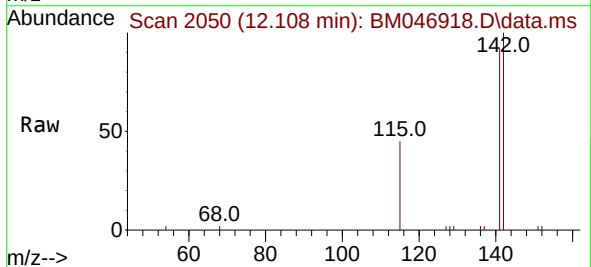
Instrument :
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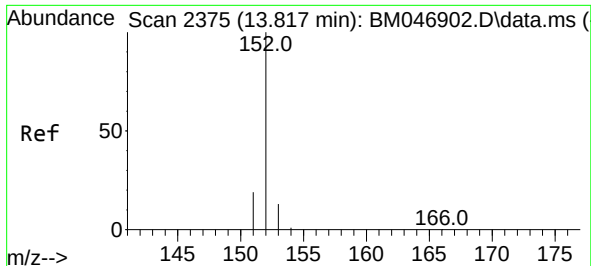
Tgt Ion:142 Resp: 5190
Ion Ratio Lower Upper
142 100
141 88.0 70.5 105.7



#8
1-Methylnaphthalene
Concen: 0.201 ng/ul
RT: 12.108 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

Tgt Ion:142 Resp: 5184
Ion Ratio Lower Upper
142 100
141 90.7 73.1 109.7

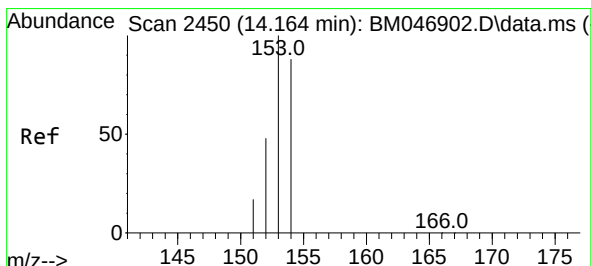
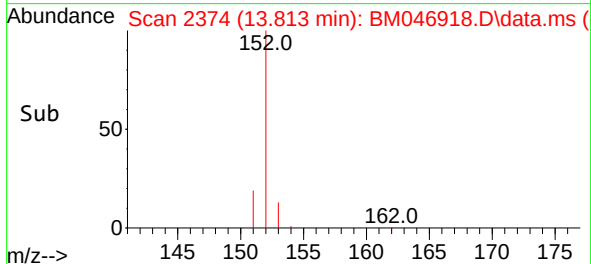
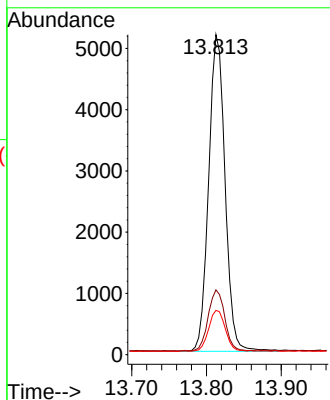
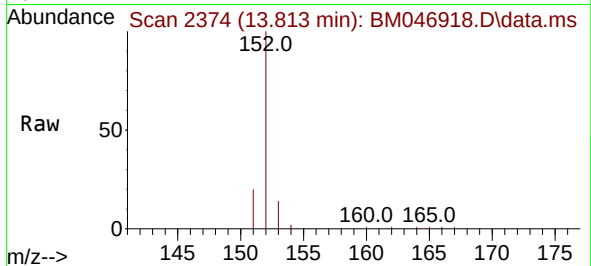




#10
Acenaphthylene
Concen: 0.411 ng/ul
RT: 13.813 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

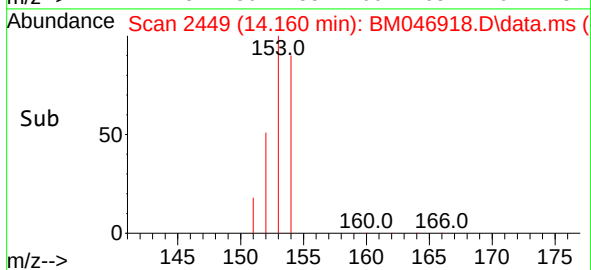
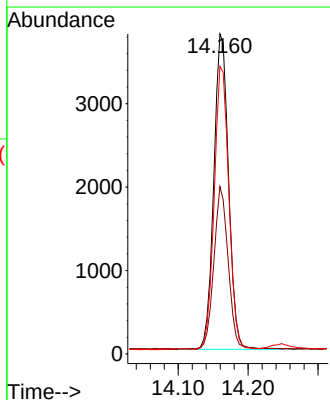
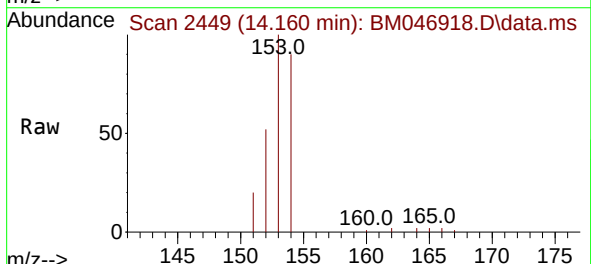
Instrument :
BNA_M
ClientSampleId :
SLCS178

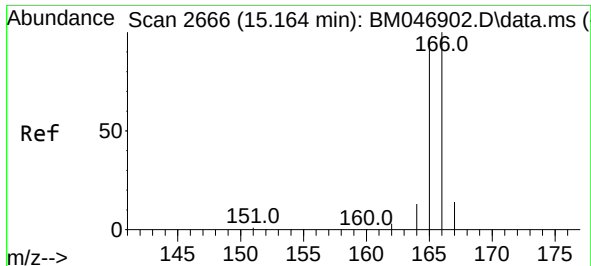
Tgt Ion:152 Resp: 7870
Ion Ratio Lower Upper
152 100
151 20.2 16.8 25.2
153 13.9 11.0 16.6



#11
Acenaphthene
Concen: 0.427 ng/ul
RT: 14.160 min Scan# 2449
Delta R.T. -0.005 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

Tgt Ion:153 Resp: 5546
Ion Ratio Lower Upper
153 100
152 52.3 38.6 57.8
154 89.8 70.8 106.2

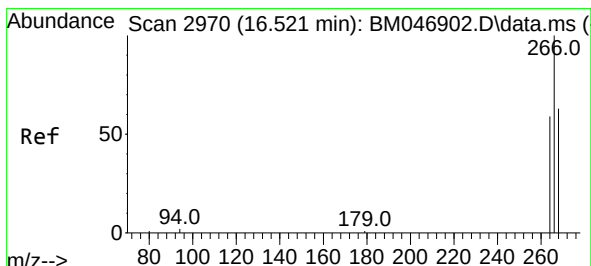
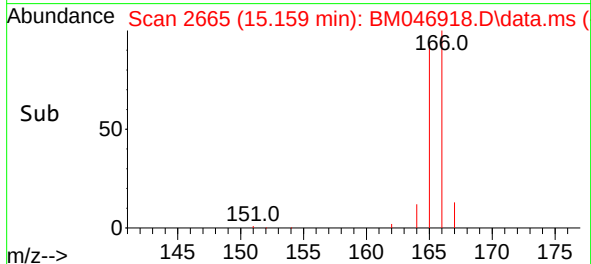
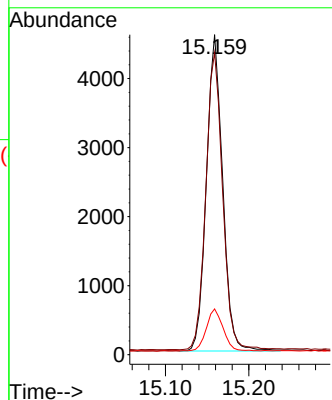
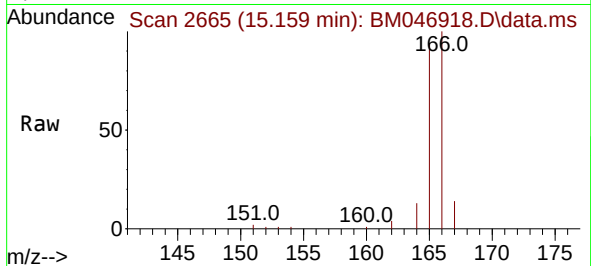




#12
Fluorene
Concen: 0.384 ng/ul
RT: 15.159 min Scan# 20
Delta R.T. -0.005 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

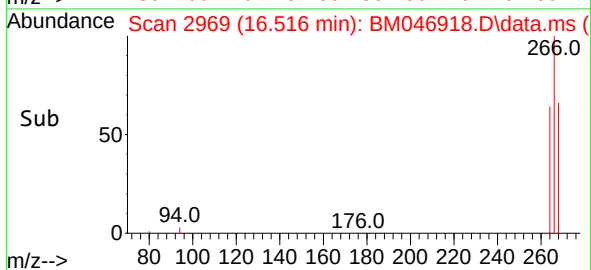
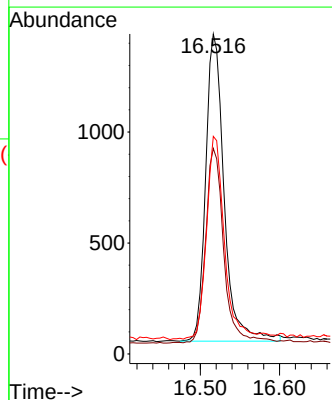
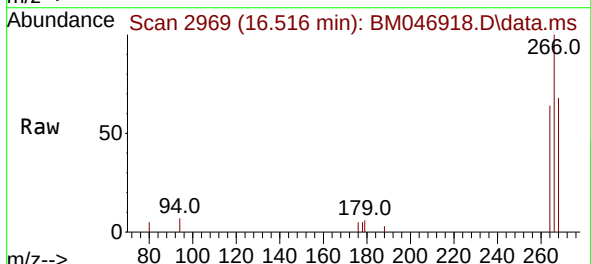
Instrument :
BNA_M
ClientSampleId :
SLCS178

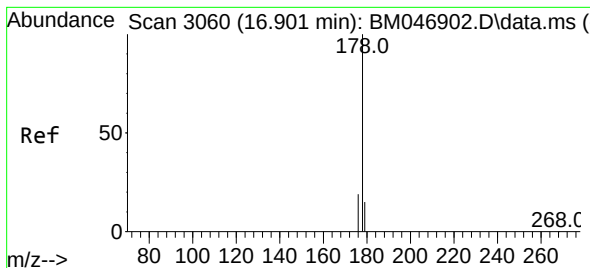
Tgt Ion:166 Resp: 6237
Ion Ratio Lower Upper
166 100
165 94.4 79.8 119.6
167 14.3 12.3 18.5



#14
Pentachlorophenol
Concen: 0.649 ng/ul
RT: 16.516 min Scan# 2969
Delta R.T. -0.004 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

Tgt Ion:266 Resp: 2235
Ion Ratio Lower Upper
266 100
264 62.6 51.1 76.7
268 66.0 51.8 77.6





#15

Phenanthrene

Concen: 0.391 ng/ul

RT: 16.896 min Scan# 3059

Delta R.T. -0.004 min

Lab File: BM046918.D

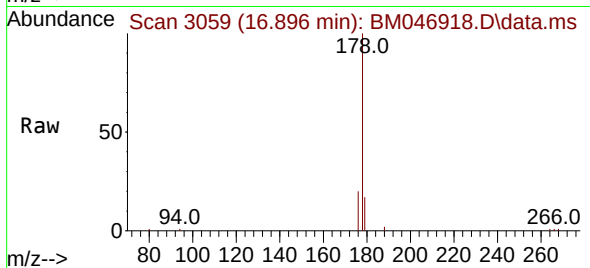
Acq: 30 Jul 2024 12:52

Instrument :

BNA_M

ClientSampleId :

SLCS178



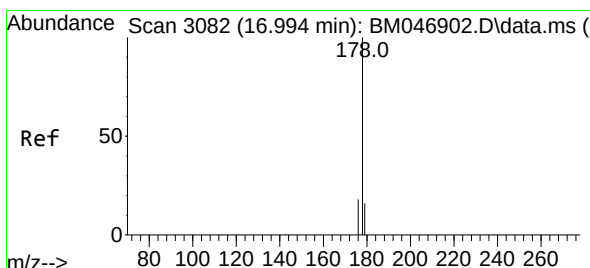
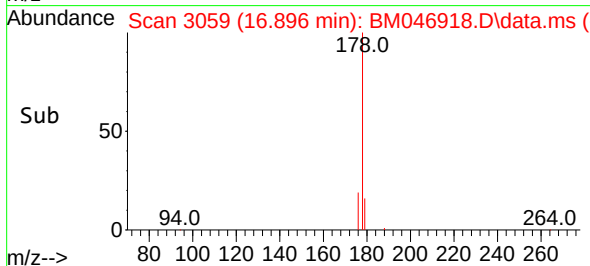
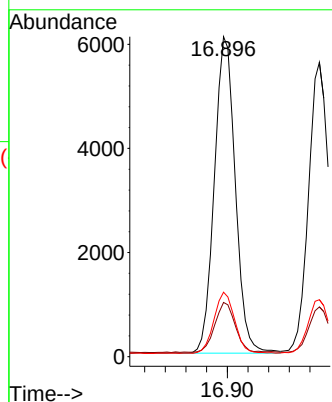
Tgt Ion:178 Resp: 8560

Ion Ratio Lower Upper

178 100

179 16.9 13.4 20.2

176 20.2 16.1 24.1



#16

Anthracene

Concen: 0.393 ng/ul

RT: 16.989 min Scan# 3081

Delta R.T. -0.004 min

Lab File: BM046918.D

Acq: 30 Jul 2024 12:52

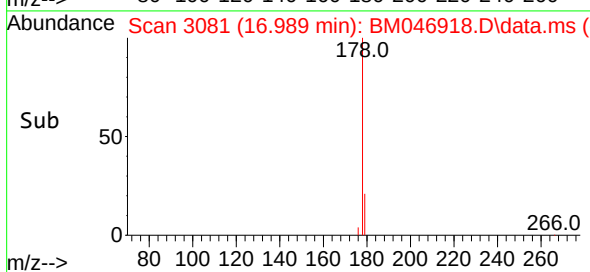
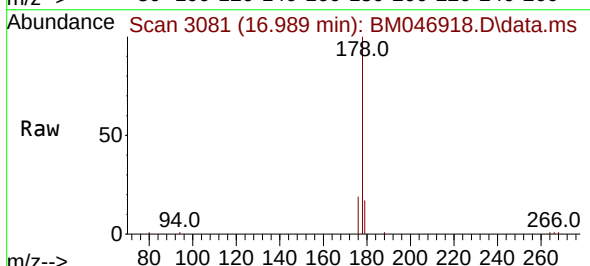
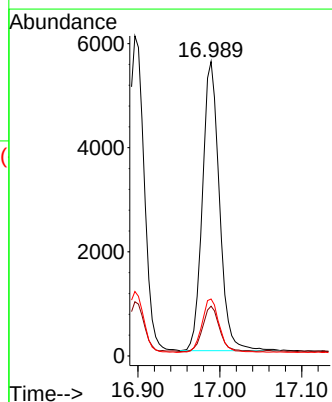
Tgt Ion:178 Resp: 8007

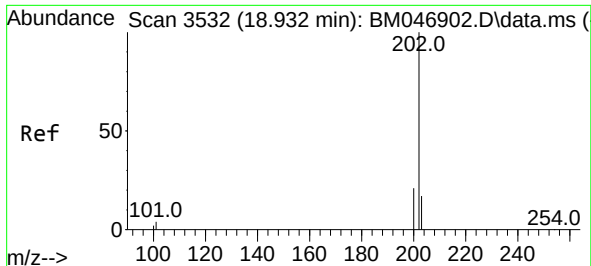
Ion Ratio Lower Upper

178 100

179 16.9 13.1 19.7

176 19.3 15.0 22.6

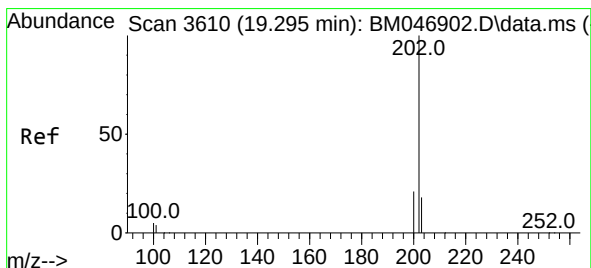
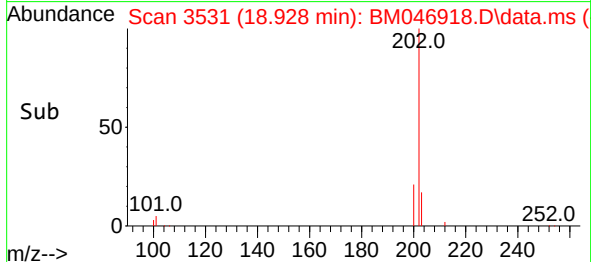
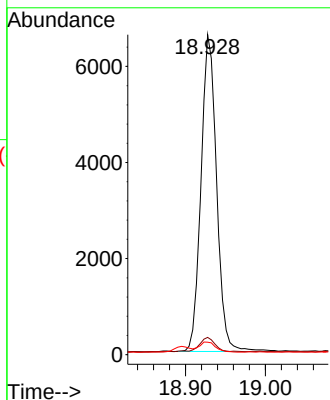
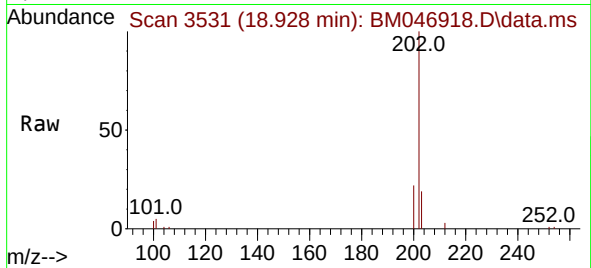




#19
Fluoranthene
Concen: 0.413 ng/ul
RT: 18.928 min Scan# 3531
Delta R.T. -0.005 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

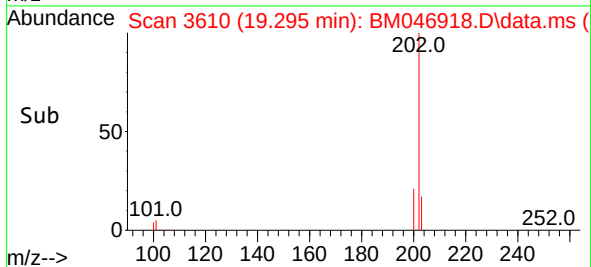
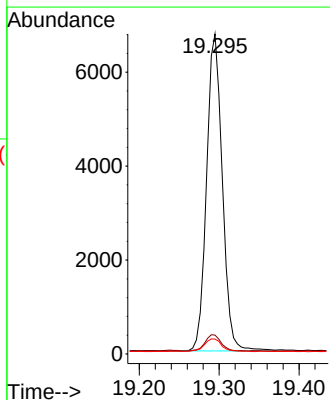
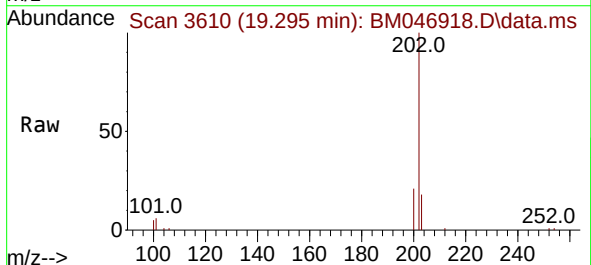
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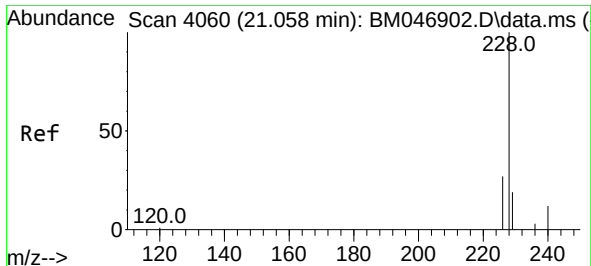
Tgt Ion:202 Resp: 8979
Ion Ratio Lower Upper
202 100
101 5.4 4.7 7.1
100 3.9 3.4 5.2



#20
Pyrene
Concen: 0.411 ng/ul
RT: 19.295 min Scan# 3610
Delta R.T. -0.000 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

Tgt Ion:202 Resp: 9249
Ion Ratio Lower Upper
202 100
101 5.9 5.2 7.8
100 4.7 4.3 6.5

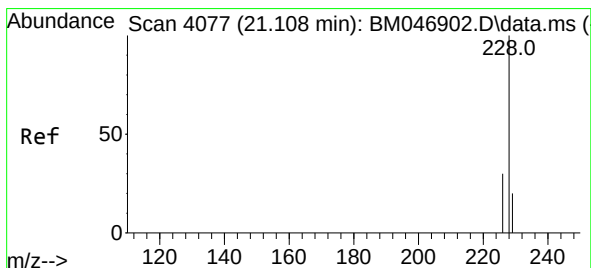
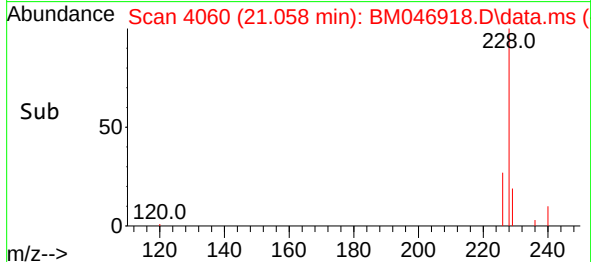
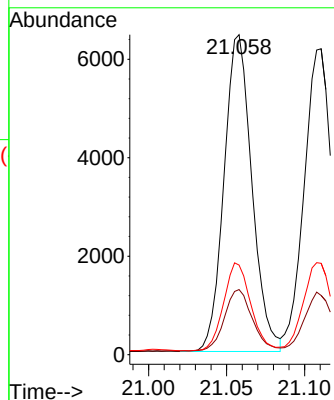
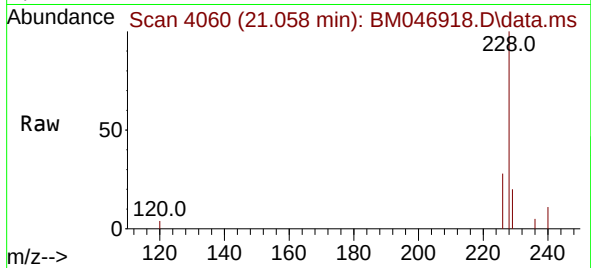




#21
Benzo(a)anthracene
Concen: 0.389 ng/ul
RT: 21.058 min Scan# 4060
Delta R.T. -0.000 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

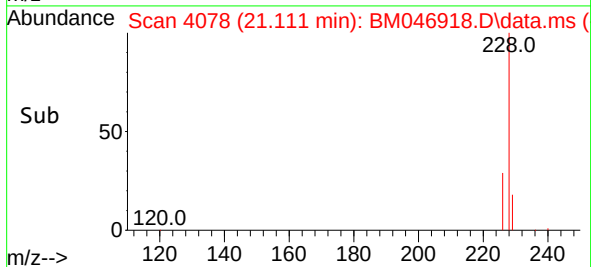
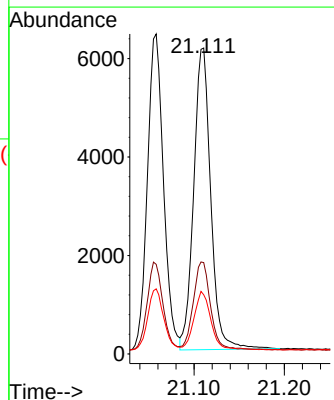
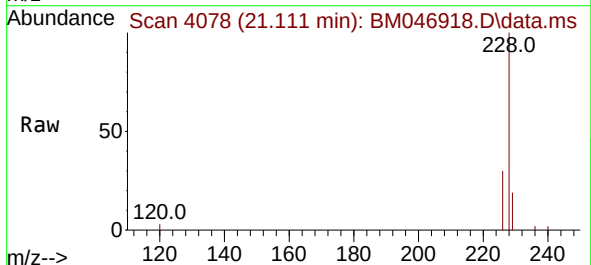
Instrument :
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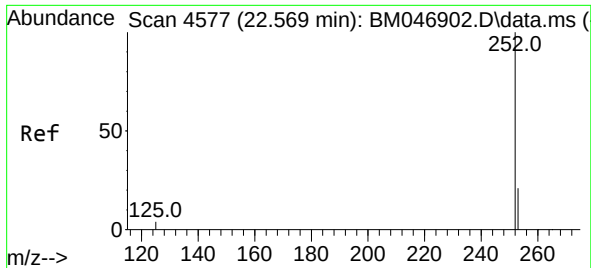
Tgt Ion:228 Resp: 8011
Ion Ratio Lower Upper
228 100
229 20.4 16.3 24.5
226 28.0 22.3 33.5



#22
Chrysene
Concen: 0.384 ng/ul
RT: 21.111 min Scan# 4078
Delta R.T. 0.003 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

Tgt Ion:228 Resp: 8037
Ion Ratio Lower Upper
228 100
226 29.9 24.5 36.7
229 19.3 16.2 24.2

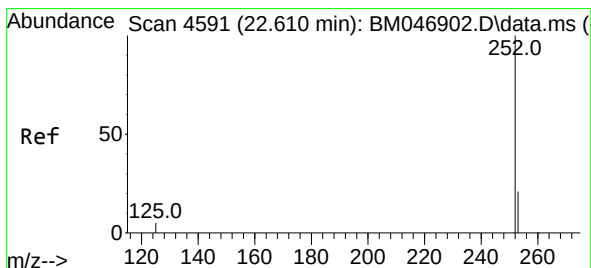
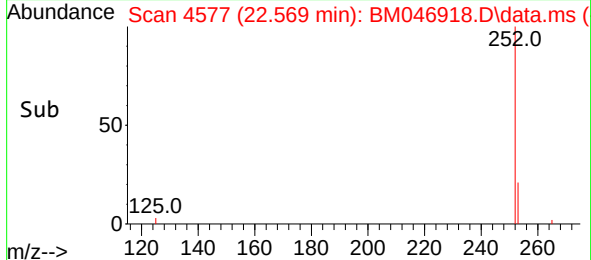
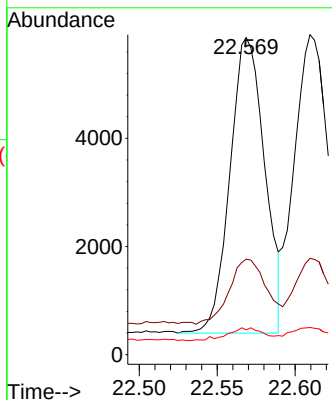
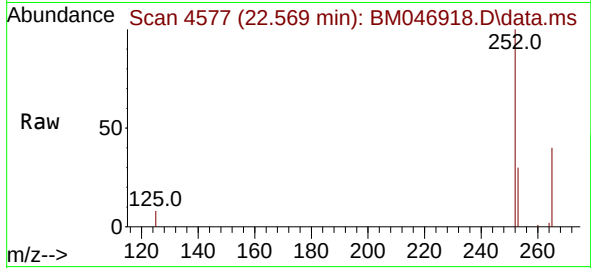




#24
Benzo(b)fluoranthene
Concen: 0.336 ng/ul
RT: 22.569 min Scan# 4577
Delta R.T. -0.000 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

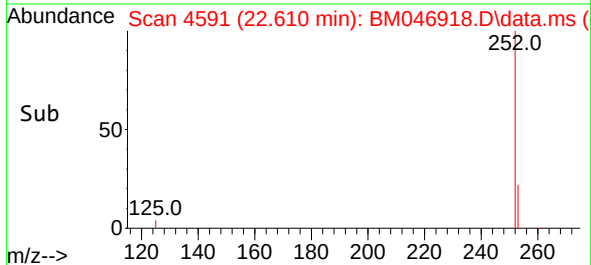
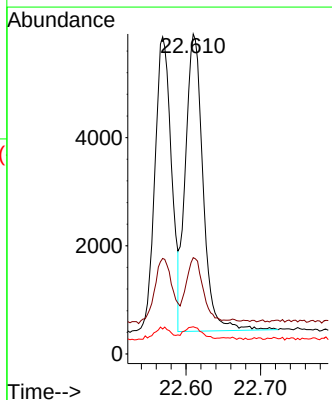
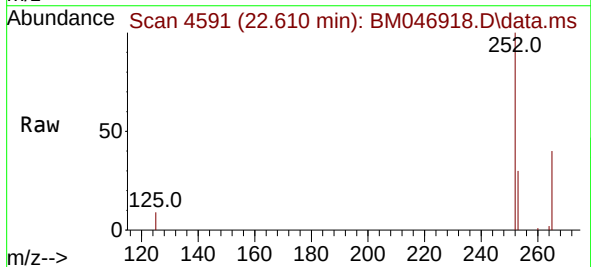
Instrument :
BNA_M
ClientSampleId :
SLCS178

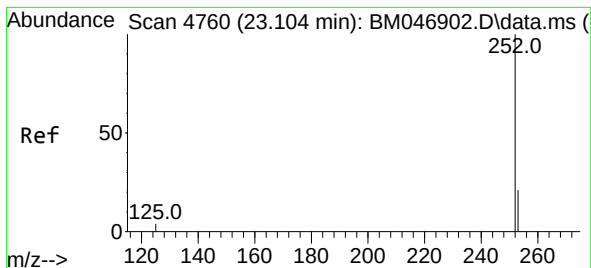
Tgt Ion:252 Resp: 8454
Ion Ratio Lower Upper
252 100
253 30.1 0.0 56.4
125 7.9 0.0 15.8



#25
Benzo(k)fluoranthene
Concen: 0.355 ng/ul
RT: 22.610 min Scan# 4591
Delta R.T. -0.000 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

Tgt Ion:252 Resp: 9010
Ion Ratio Lower Upper
252 100
253 30.1 23.5 35.3
125 8.5 8.6 13.0#





#26

Benzo(a)pyrene

Concen: 0.431 ng/ul

RT: 23.104 min Scan# 4760

Delta R.T. -0.000 min

Lab File: BM046918.D

Acq: 30 Jul 2024 12:52

Instrument :

BNA_M

ClientSampleId :

SLCS178

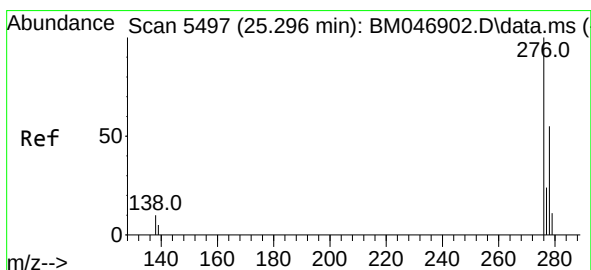
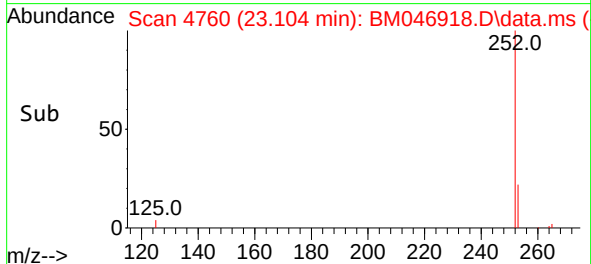
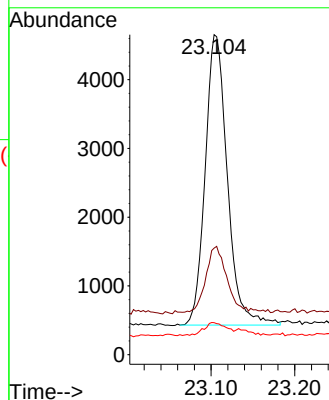
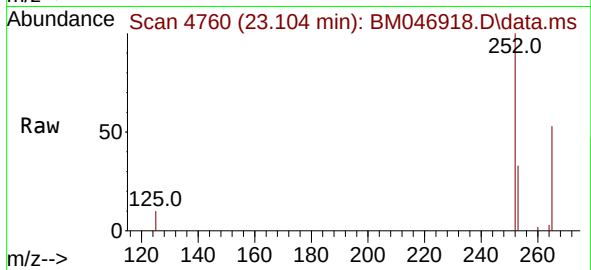
Tgt Ion:252 Resp: 7789

Ion Ratio Lower Upper

252 100

253 33.3 26.0 39.0

125 10.0 7.8 11.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.399 ng/ul

RT: 25.292 min Scan# 5496

Delta R.T. -0.003 min

Lab File: BM046918.D

Acq: 30 Jul 2024 12:52

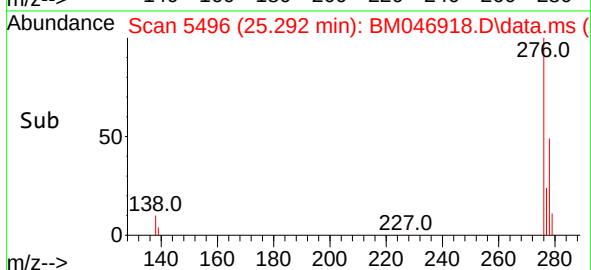
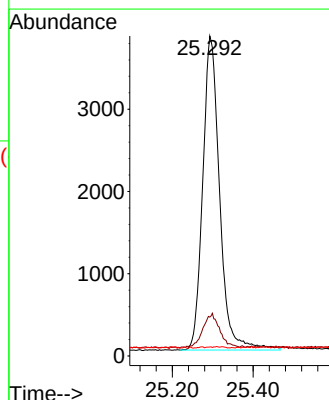
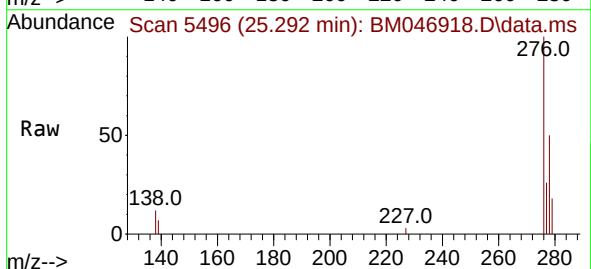
Tgt Ion:276 Resp: 11106

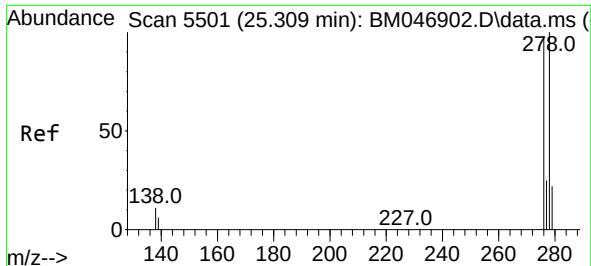
Ion Ratio Lower Upper

276 100

138 11.0 9.7 14.5

227 0.1 0.2 0.2#

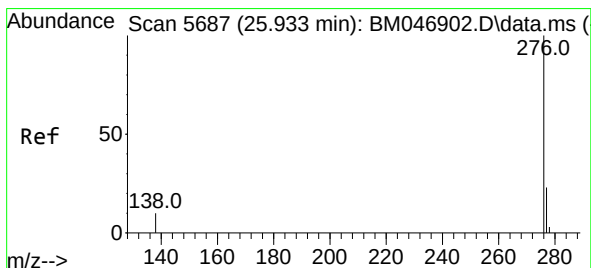
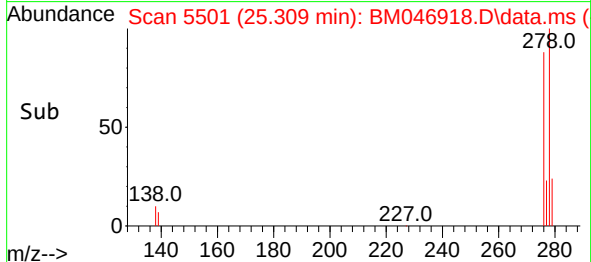
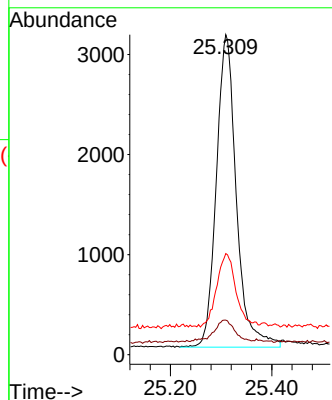
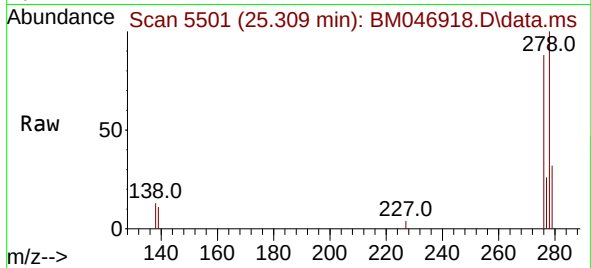




#28
Dibenzo(a,h)anthracene
Concen: 0.420 ng/ul
RT: 25.309 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

Instrument :
BNA_M
ClientSampleId :
SLCS178

Tgt Ion:	278	Resp:	8565
Ion Ratio	Lower	Upper	
278	100		
139	10.8	9.8	14.8
279	31.6	25.2	37.8



#29
Benzo(g,h,i)perylene
Concen: 0.365 ng/ul
RT: 25.930 min Scan# 5686
Delta R.T. -0.003 min
Lab File: BM046918.D
Acq: 30 Jul 2024 12:52

Tgt Ion:	276	Resp:	8947
Ion Ratio	Lower	Upper	
276	100		
138	12.6	9.5	14.3
277	26.5	20.9	31.3

