

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082923\
 Data File : BM041619.D
 Acq On : 31 Aug 2023 16:52
 Operator : MA/JU
 Sample : PB155125BS
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS125

Quant Time: Sep 01 02:09:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 30 01:50:06 2023
 Response via : Initial Calibration

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

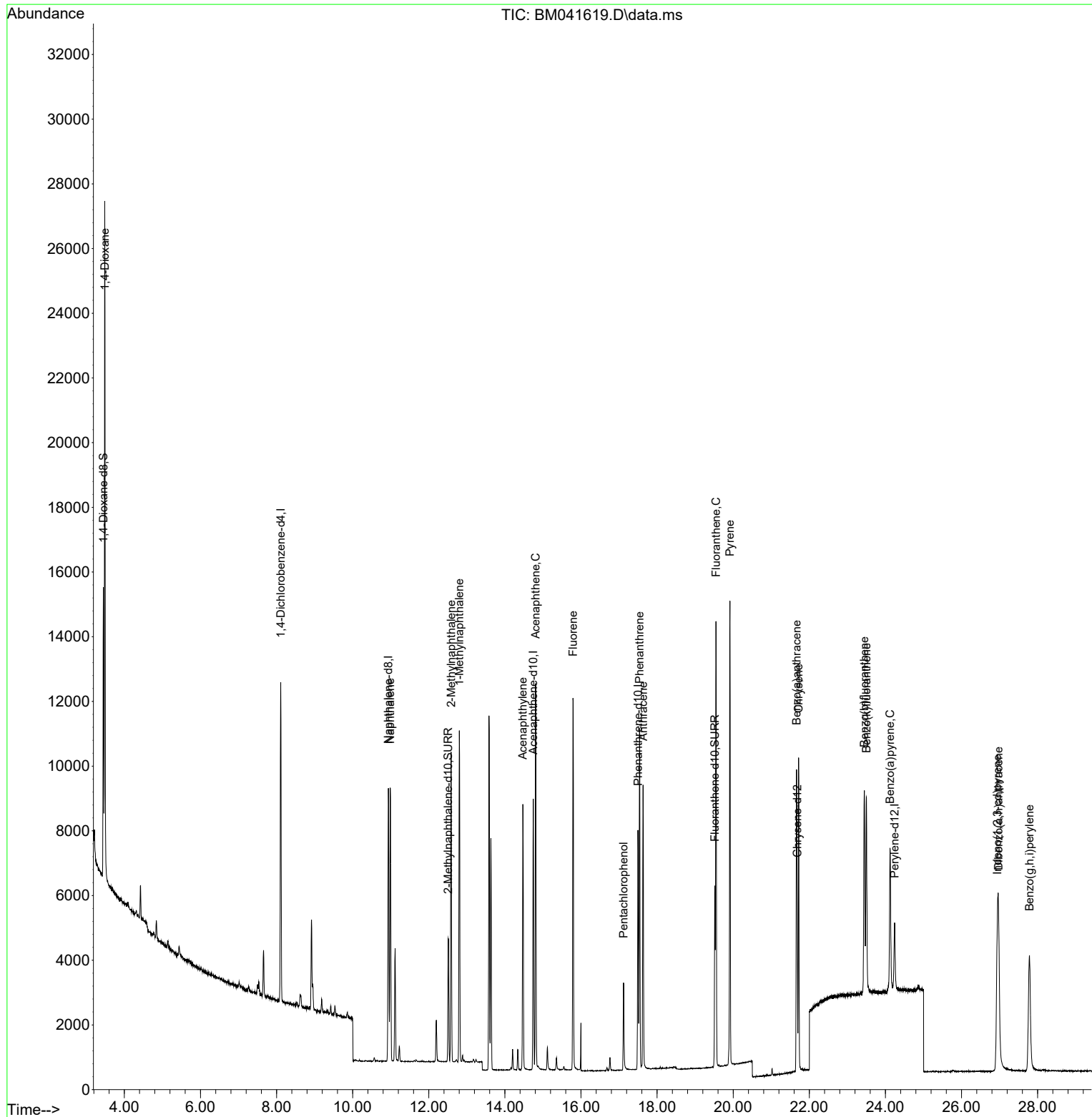
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	4892	0.400	ng/ul	0.00
4) Naphthalene-d8	10.939	136	10758	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.745	164	4086	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.498	188	7642	0.400	ng/ul	0.00
17) Chrysene-d12	21.682	240	2887	0.400	ng/ul	0.00
23) Perylene-d12	24.243	264	3004	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	4886	0.677	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.511	152	4607	0.355	ng/ul	-0.01
18) Fluoranthene-d10	19.520	212	4896	0.344	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.486	88	11962	1.553	ng/ul#	85
5) Naphthalene	10.988	128	11489	0.334	ng/ul	99
7) 2-Methylnaphthalene	12.588	142	6378	0.327	ng/ul	100
8) 1-Methylnaphthalene	12.803	142	6726	0.341	ng/ul	100
10) Acenaphthylene	14.472	152	9464	0.332	ng/ul	99
11) Acenaphthene	14.809	153	6676	0.340	ng/ul	99
12) Fluorene	15.795	166	7148	0.334	ng/ul	97
14) Pentachlorophenol	17.118	266	1893	0.645	ng/ul	99
15) Phenanthrene	17.540	178	10929	0.328	ng/ul	98
16) Anthracene	17.633	178	9386	0.324	ng/ul	99
19) Fluoranthene	19.547	202	11279	0.298	ng/ul	98
20) Pyrene	19.915	202	11239	0.295	ng/ul	100
21) Benzo(a)anthracene	21.664	228	7788	0.302	ng/ul	99
22) Chrysene	21.720	228	8558	0.309	ng/ul	99
24) Benzo(b)fluoranthene	23.445	252	8961	0.321	ng/ul	96
25) Benzo(k)fluoranthene	23.500	252	8564	0.323	ng/ul	98
26) Benzo(a)pyrene	24.120	252	7462	0.300	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.941	276	10205	0.307	ng/ul#	37
28) Dibenzo(a,h)anthracene	26.974	278	6968	0.312	ng/ul	98
29) Benzo(g,h,i)perylene	27.786	276	8911	0.320	ng/ul	99

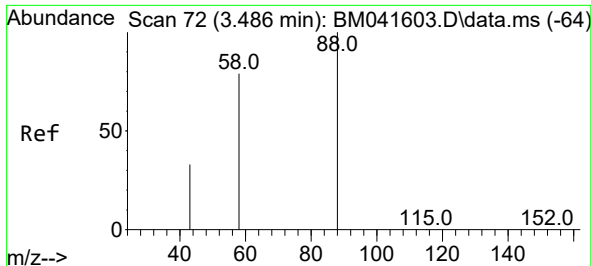
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2
1,4-Dioxane

Concen: 1.553 ng/ul

RT: 3.486 min Scan# 71

Delta R.T. -0.004 min

Lab File: BM041619.D

Acq: 31 Aug 2023 16:52

Instrument :

BNA_M

ClientSampleId :

SLCS125

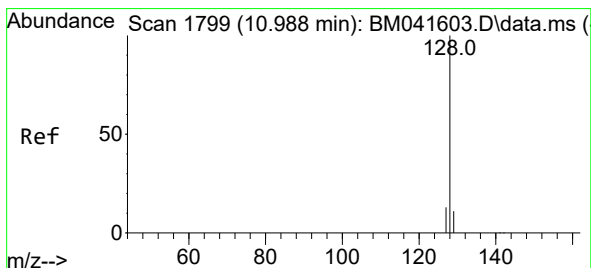
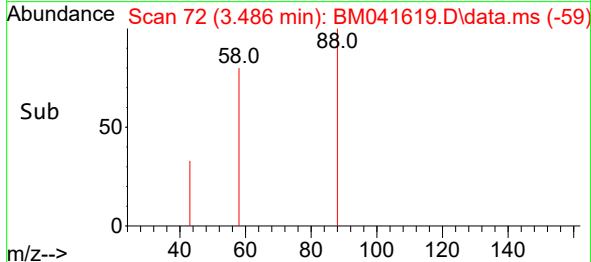
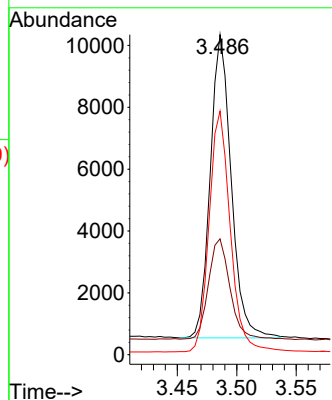
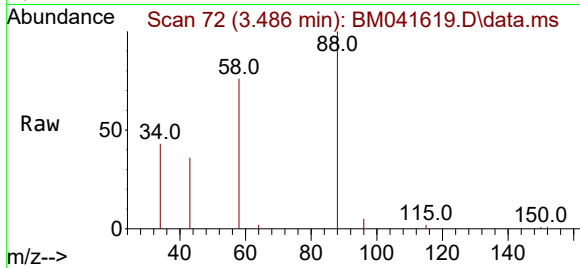
Tgt Ion: 88 Resp: 11962

Ion Ratio Lower Upper

88 100

43 36.2 46.2 69.2#

58 76.1 58.1 87.1



#5
Naphthalene

Concen: 0.334 ng/ul

RT: 10.988 min Scan# 1799

Delta R.T. -0.011 min

Lab File: BM041619.D

Acq: 31 Aug 2023 16:52

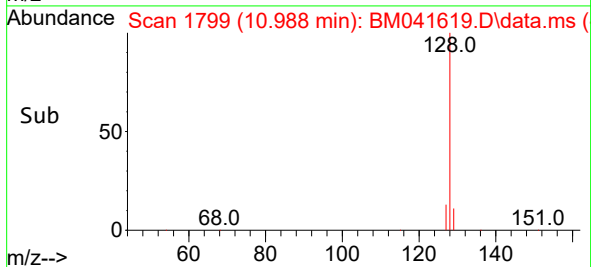
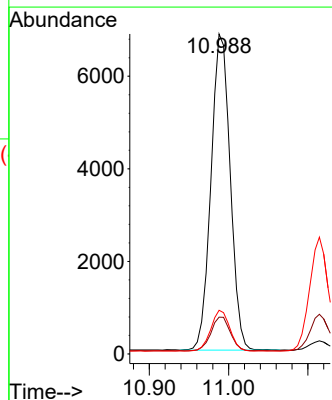
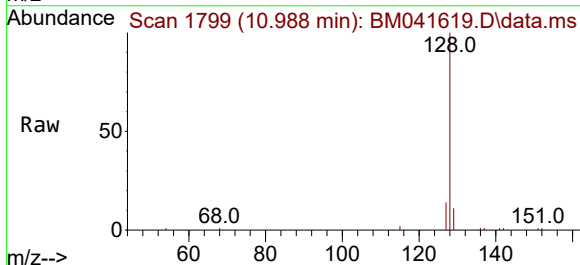
Tgt Ion:128 Resp: 11489

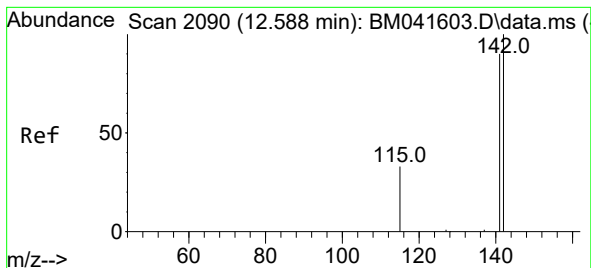
Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

127 13.7 10.6 15.8

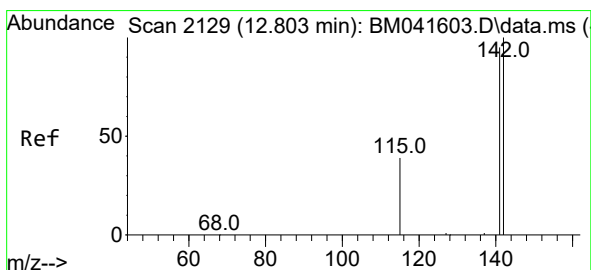
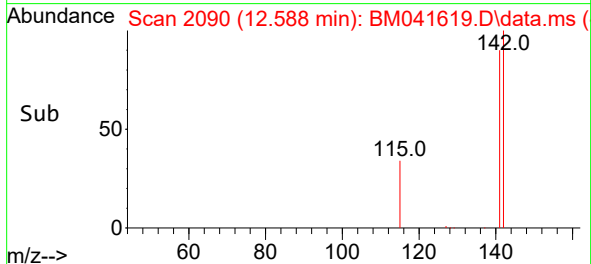
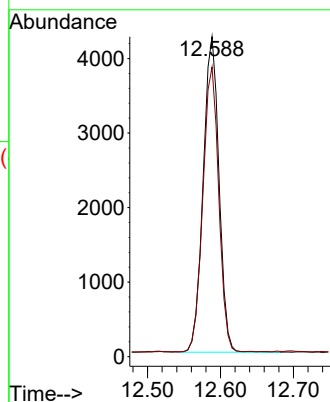
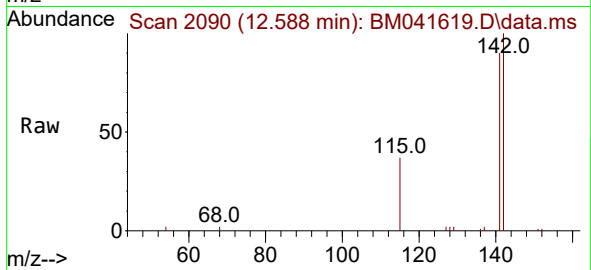




#7
2-Methylnaphthalene
Concen: 0.327 ng/ul
RT: 12.588 min Scan# 2090
Delta R.T. -0.005 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

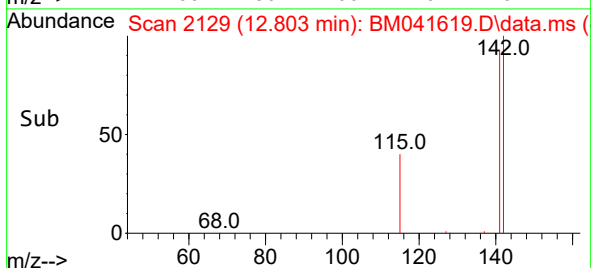
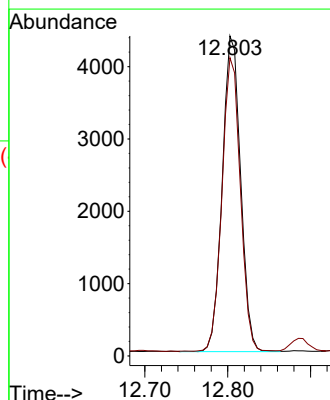
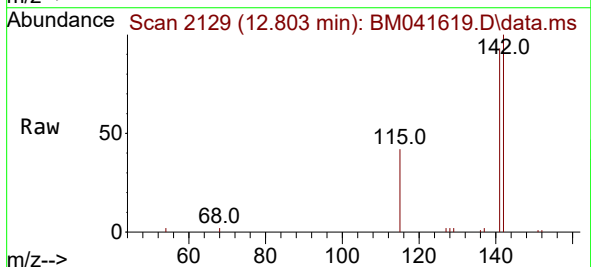
Instrument :
BNA_M
ClientSampleId :
SLCS125

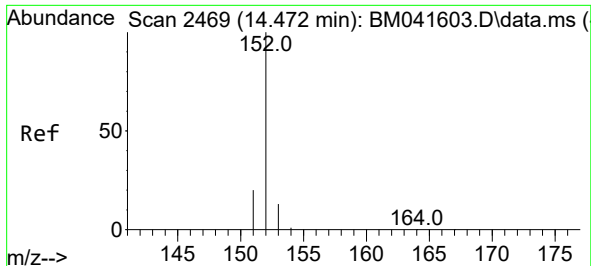
Tgt Ion:142 Resp: 6378
Ion Ratio Lower Upper
142 100
141 90.2 71.8 107.8



#8
1-Methylnaphthalene
Concen: 0.341 ng/ul
RT: 12.803 min Scan# 2129
Delta R.T. -0.011 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

Tgt Ion:142 Resp: 6726
Ion Ratio Lower Upper
142 100
141 93.1 74.2 111.2

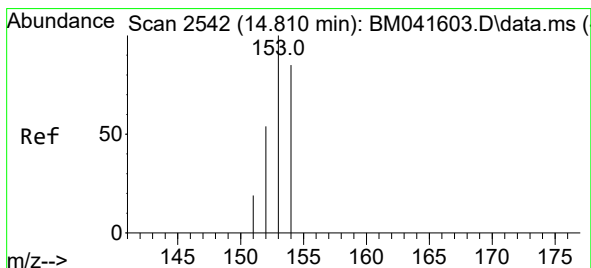
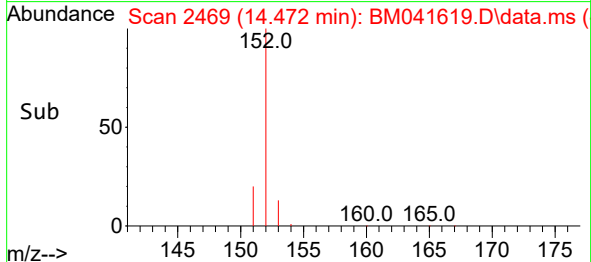
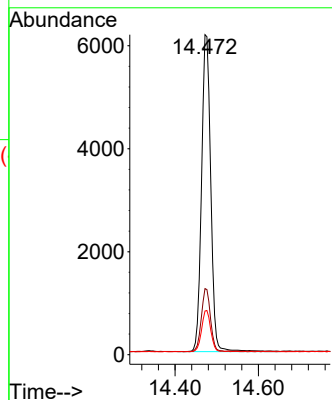
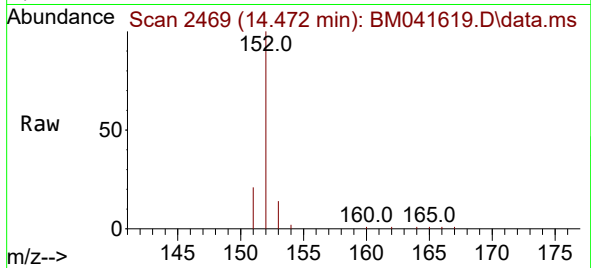




#10
Acenaphthylene
Concen: 0.332 ng/ul
RT: 14.472 min Scan# 2469
Delta R.T. -0.009 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

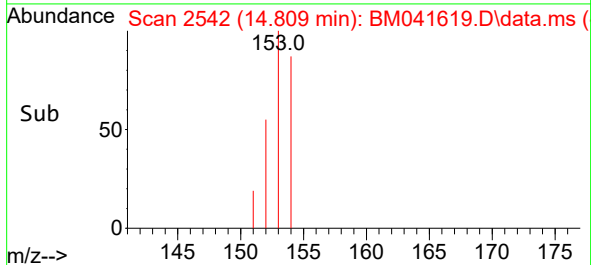
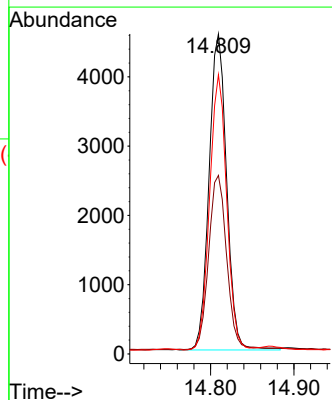
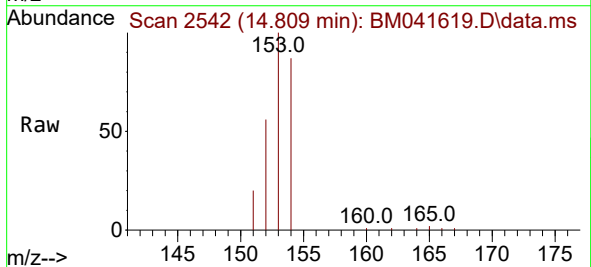
Instrument :
BNA_M
ClientSampleId :
SLCS125

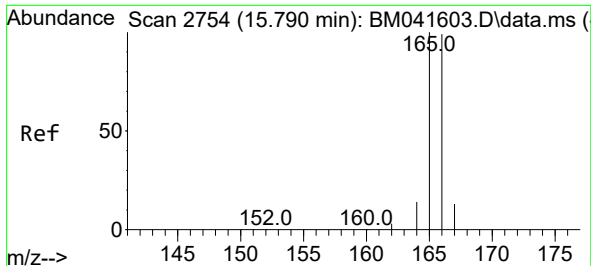
Tgt Ion:152 Resp: 9464
Ion Ratio Lower Upper
152 100
151 20.7 15.9 23.9
153 13.7 10.6 15.8



#11
Acenaphthene
Concen: 0.340 ng/ul
RT: 14.809 min Scan# 2542
Delta R.T. -0.009 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

Tgt Ion:153 Resp: 6676
Ion Ratio Lower Upper
153 100
152 55.8 43.4 65.2
154 87.3 70.2 105.2

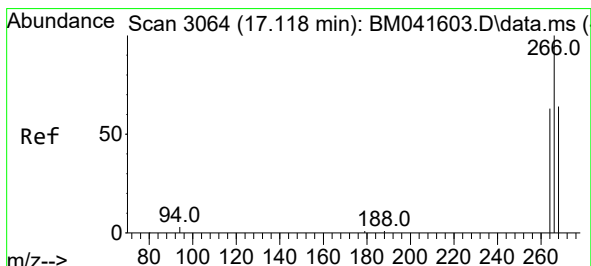
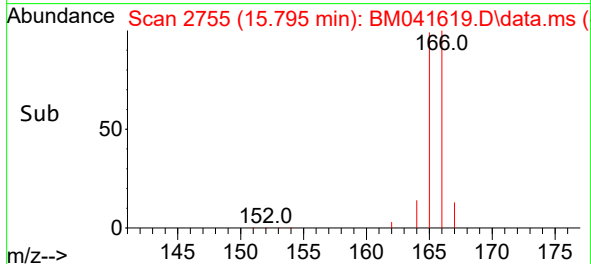
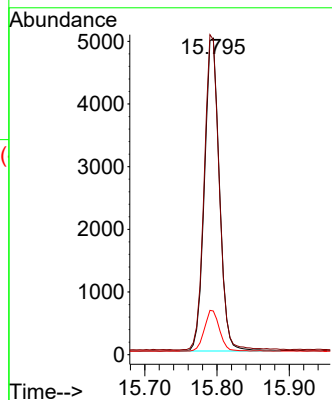
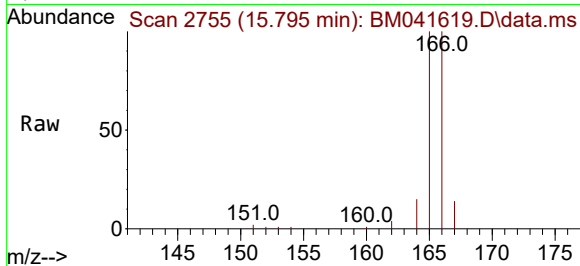




#12
Fluorene
Concen: 0.334 ng/ul
RT: 15.795 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

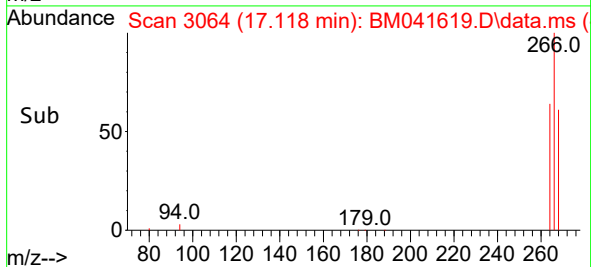
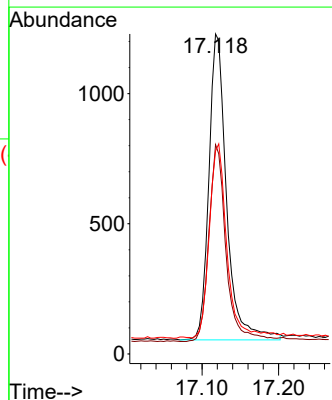
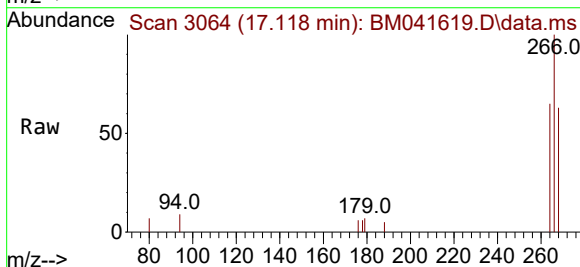
Instrument :
BNA_M
ClientSampleId :
SLCS125

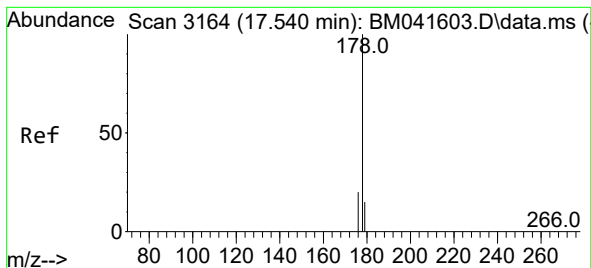
Tgt Ion:	166	Resp:	7148
Ion	Ratio	Lower	Upper
166	100		
165	99.6	82.2	123.2
167	13.8	11.5	17.3



#14
Pentachlorophenol
Concen: 0.645 ng/ul
RT: 17.118 min Scan# 3064
Delta R.T. -0.008 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

Tgt Ion:	266	Resp:	1893
Ion	Ratio	Lower	Upper
266	100		
264	62.4	49.3	73.9
268	63.2	50.2	75.4





#15

Phenanthrene

Concen: 0.328 ng/ul

RT: 17.540 min Scan# 3164

Delta R.T. -0.008 min

Lab File: BM041619.D

Acq: 31 Aug 2023 16:52

Instrument :

BNA_M

ClientSampleId :

SLCS125

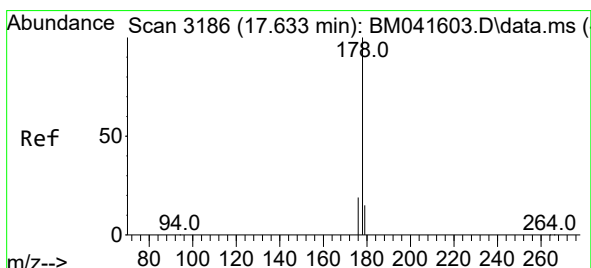
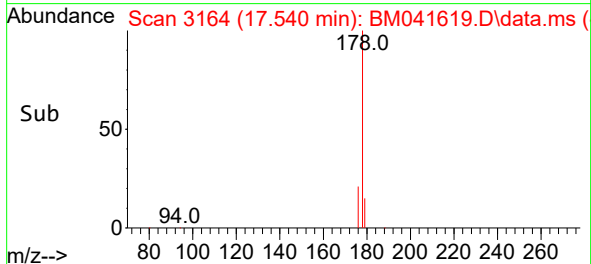
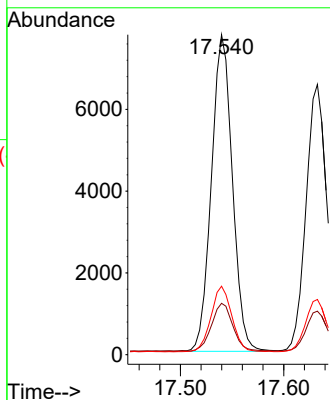
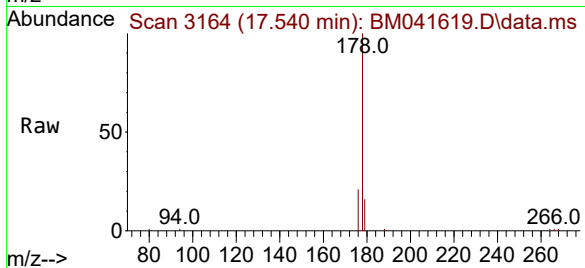
Tgt Ion:178 Resp: 10929

Ion Ratio Lower Upper

178 100

179 16.0 12.6 19.0

176 21.4 16.2 24.4



#16

Anthracene

Concen: 0.324 ng/ul

RT: 17.633 min Scan# 3186

Delta R.T. -0.008 min

Lab File: BM041619.D

Acq: 31 Aug 2023 16:52

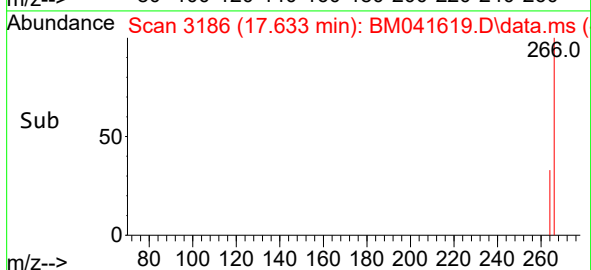
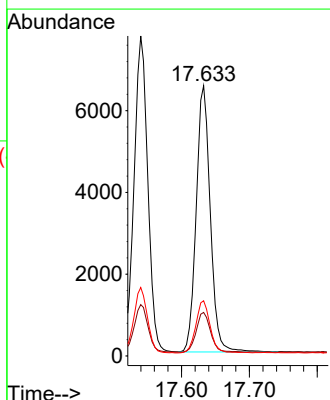
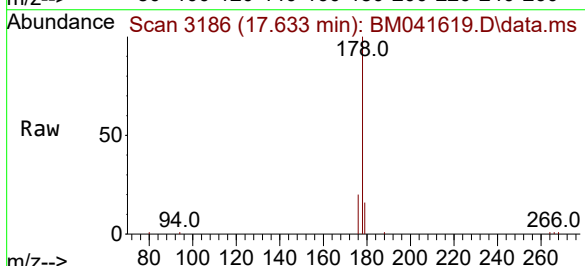
Tgt Ion:178 Resp: 9386

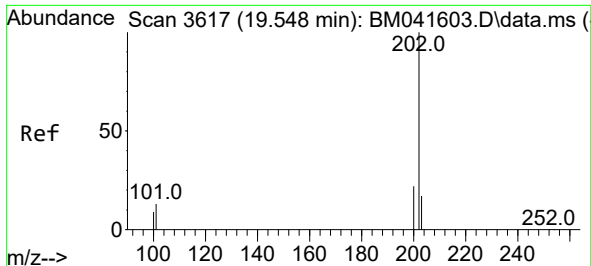
Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

176 20.4 15.6 23.4

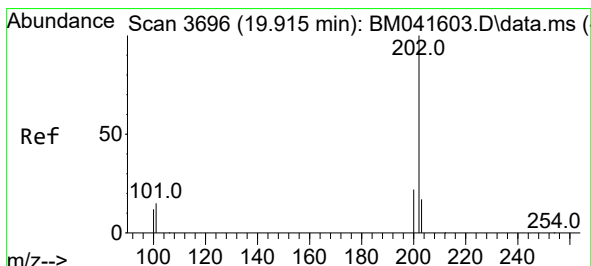
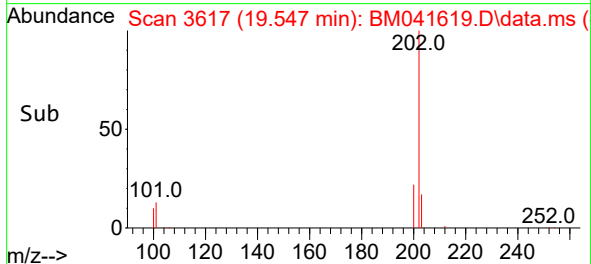
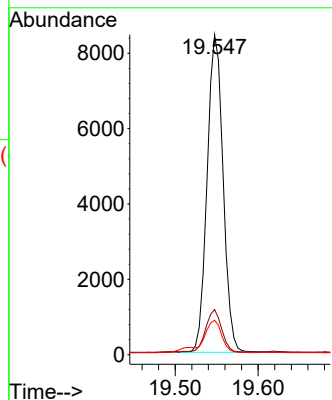
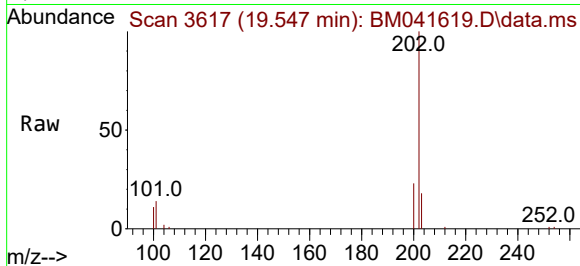




#19
Fluoranthene
Concen: 0.298 ng/ul
RT: 19.547 min Scan# 3617
Delta R.T. -0.009 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

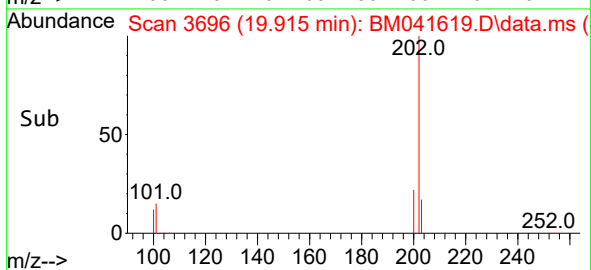
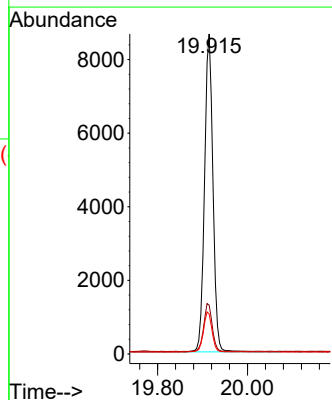
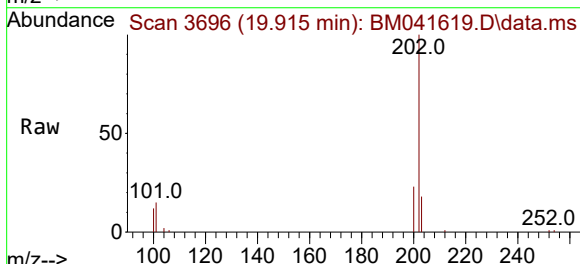
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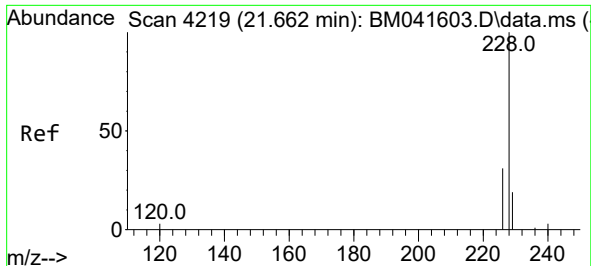
Tgt Ion:202 Resp: 11279
Ion Ratio Lower Upper
202 100
101 14.1 10.7 16.1
100 10.8 8.1 12.1



#20
Pyrene
Concen: 0.295 ng/ul
RT: 19.915 min Scan# 3696
Delta R.T. -0.009 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

Tgt Ion:202 Resp: 11239
Ion Ratio Lower Upper
202 100
101 15.2 12.2 18.4
100 12.5 9.8 14.8

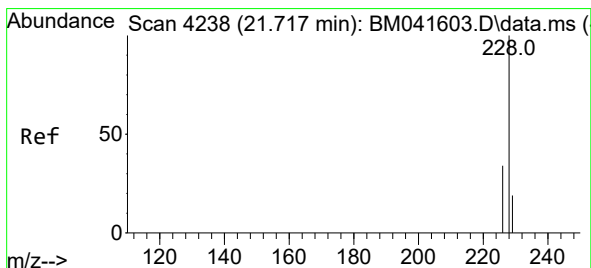
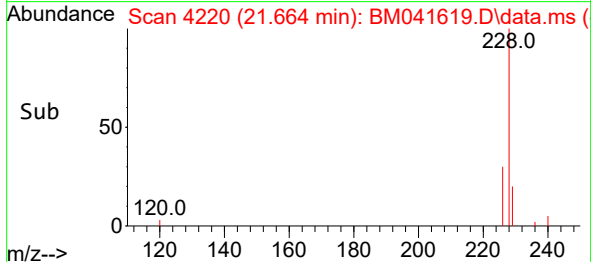
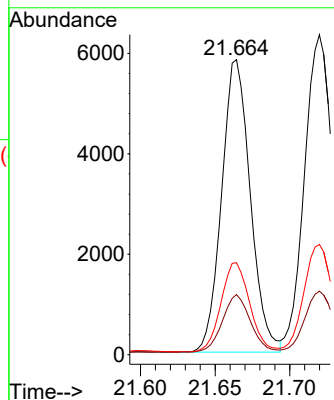
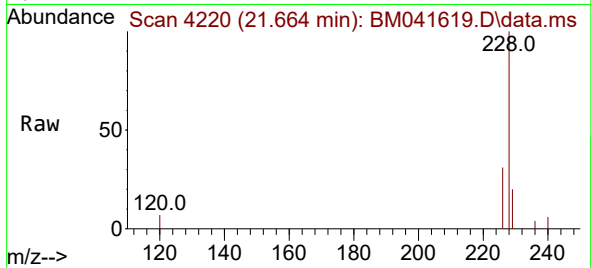




#21
Benzo(a)anthracene
Concen: 0.302 ng/ul
RT: 21.664 min Scan# 4219
Delta R.T. -0.006 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

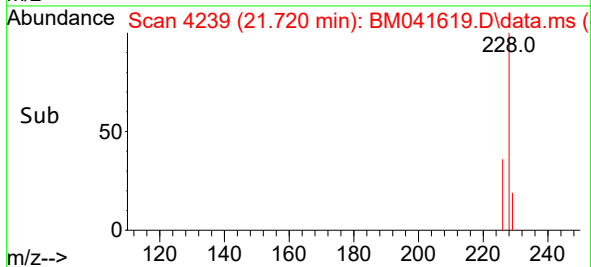
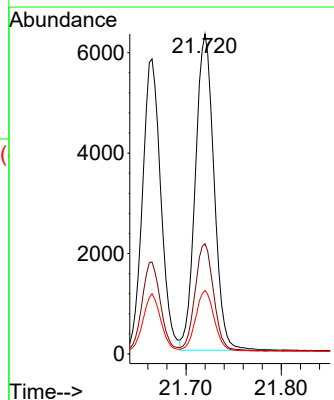
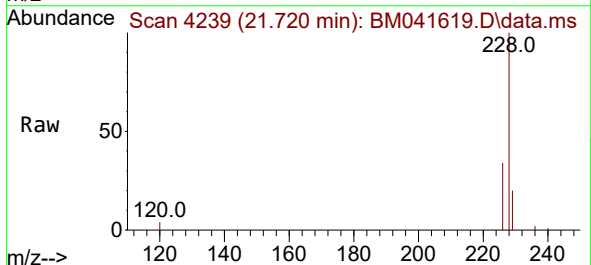
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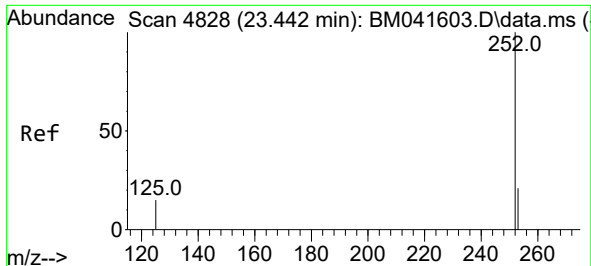
Tgt Ion:228 Resp: 7788
Ion Ratio Lower Upper
228 100
229 20.4 15.6 23.4
226 31.2 25.0 37.4



#22
Chrysene
Concen: 0.309 ng/ul
RT: 21.720 min Scan# 4239
Delta R.T. -0.009 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

Tgt Ion:228 Resp: 8558
Ion Ratio Lower Upper
228 100
226 34.4 26.7 40.1
229 19.8 15.9 23.9

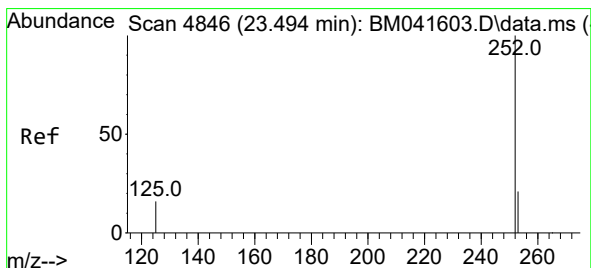
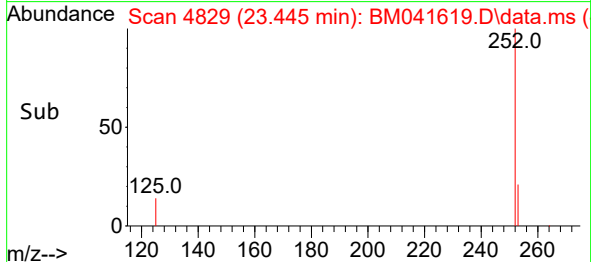
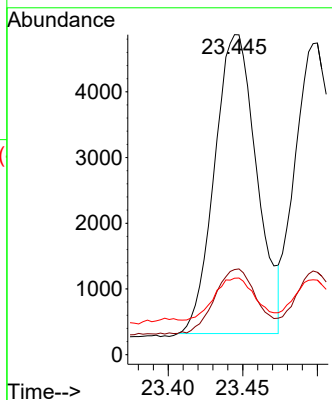
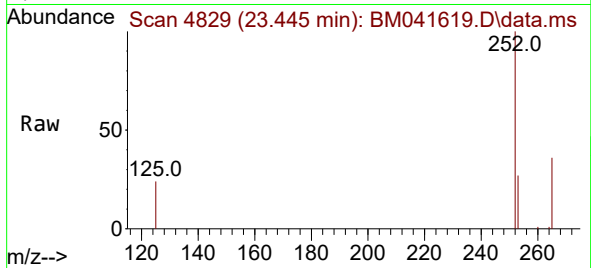




#24
Benzo(b)fluoranthene
Concen: 0.321 ng/ul
RT: 23.445 min Scan# 4828
Delta R.T. -0.014 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

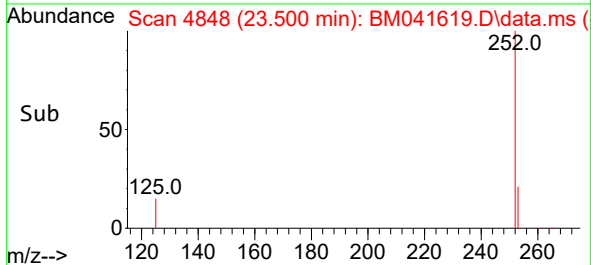
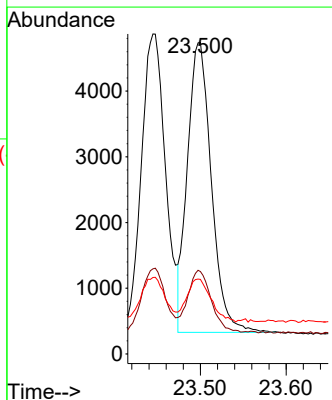
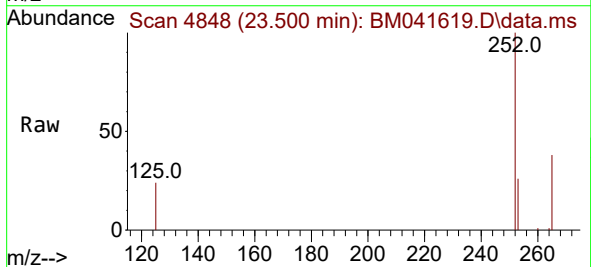
Instrument :
BNA_M
ClientSampleId :
SLCS125

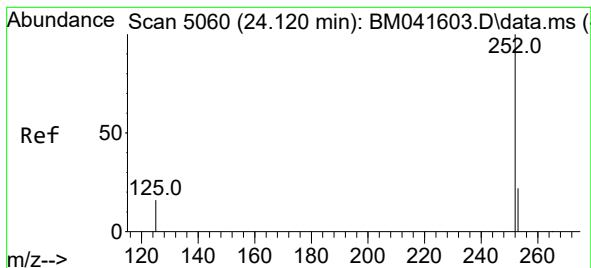
Tgt Ion:252	Resp:	8961
Ion Ratio	Lower	Upper
252	100	
253	26.6	0.0 50.0
125	23.9	0.0 44.0



#25
Benzo(k)fluoranthene
Concen: 0.323 ng/ul
RT: 23.500 min Scan# 4848
Delta R.T. -0.012 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

Tgt Ion:252	Resp:	8564
Ion Ratio	Lower	Upper
252	100	
253	26.4	20.2 30.4
125	23.9	18.2 27.4





#26

Benzo(a)pyrene

Concen: 0.300 ng/ul

RT: 24.120 min Scan# 5060

Delta R.T. -0.017 min

Lab File: BM041619.D

Acq: 31 Aug 2023 16:52

Instrument :

BNA_M

ClientSampleId :

SLCS125

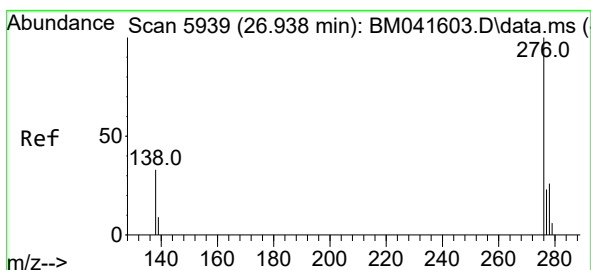
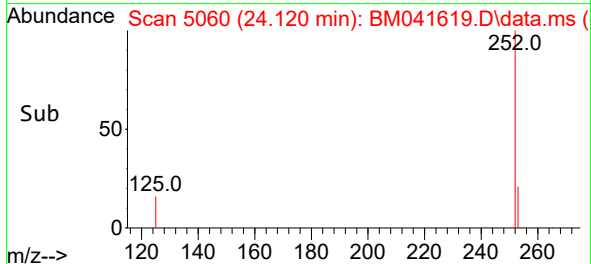
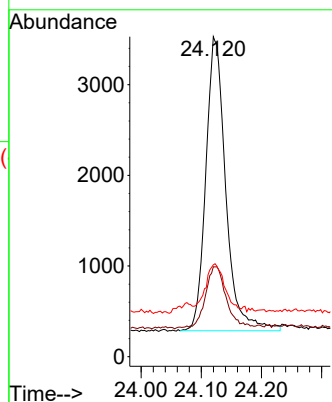
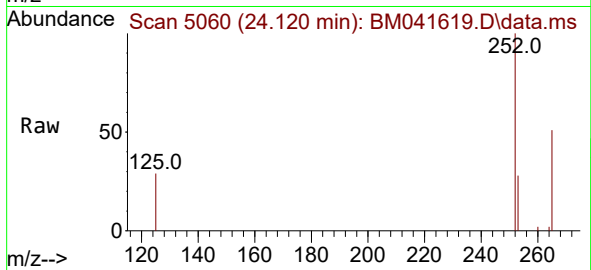
Tgt Ion:252 Resp: 7462

Ion Ratio Lower Upper

252 100

253 28.1 20.9 31.3

125 28.7 21.1 31.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.307 ng/ul

RT: 26.941 min Scan# 5940

Delta R.T. -0.023 min

Lab File: BM041619.D

Acq: 31 Aug 2023 16:52

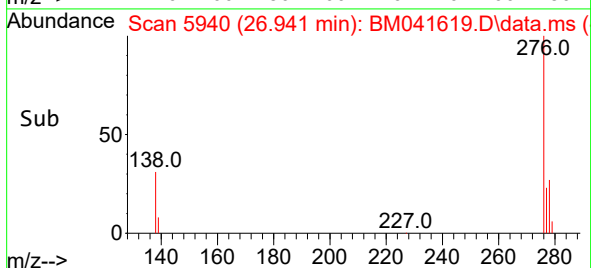
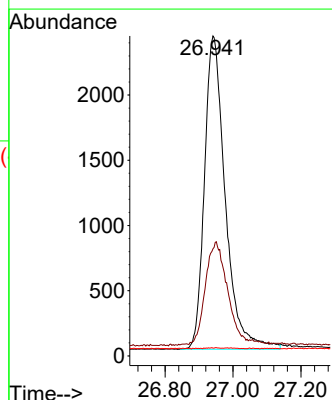
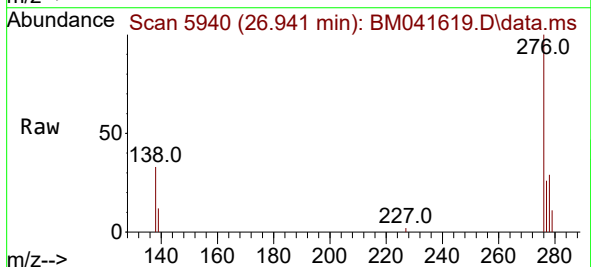
Tgt Ion:276 Resp: 10205

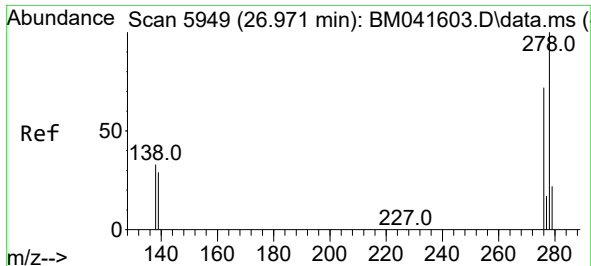
Ion Ratio Lower Upper

276 100

138 0.0 30.3 45.5#

227 0.1 0.1 0.1

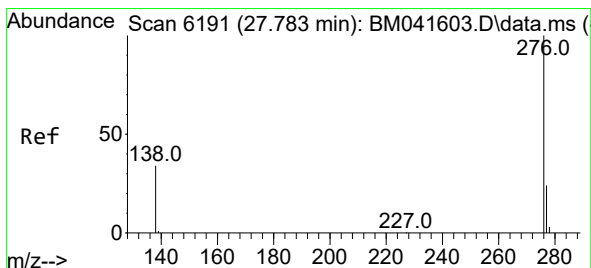
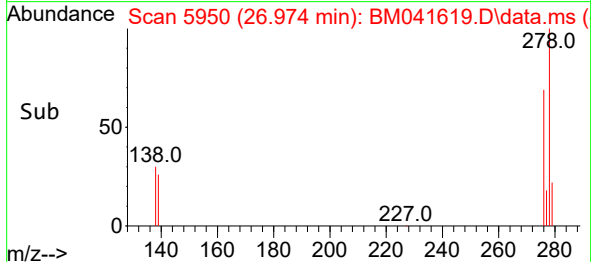
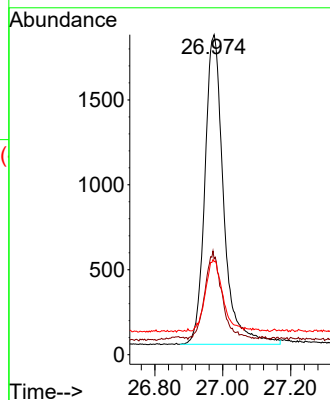
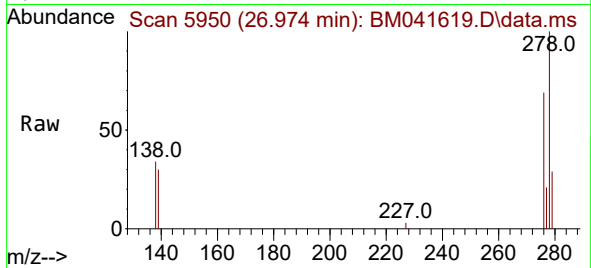




#28
Dibenzo(a,h)anthracene
Concen: 0.312 ng/ul
RT: 26.974 min Scan# 5949
Delta R.T. -0.020 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

Instrument :
BNA_M
ClientSampleId :
SLCS125

Tgt Ion:278 Resp: 6968
Ion Ratio Lower Upper
278 100
139 29.9 25.0 37.4
279 29.0 22.6 34.0



#29
Benzo(g,h,i)perylene
Concen: 0.320 ng/ul
RT: 27.786 min Scan# 6192
Delta R.T. -0.020 min
Lab File: BM041619.D
Acq: 31 Aug 2023 16:52

Tgt Ion:276 Resp: 8911
Ion Ratio Lower Upper
276 100
138 34.0 27.4 41.0
277 26.0 20.4 30.6

