

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082923\
 Data File : BM041620.D
 Acq On : 31 Aug 2023 18:06
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4065

Quant Time: Sep 01 02:09:37 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

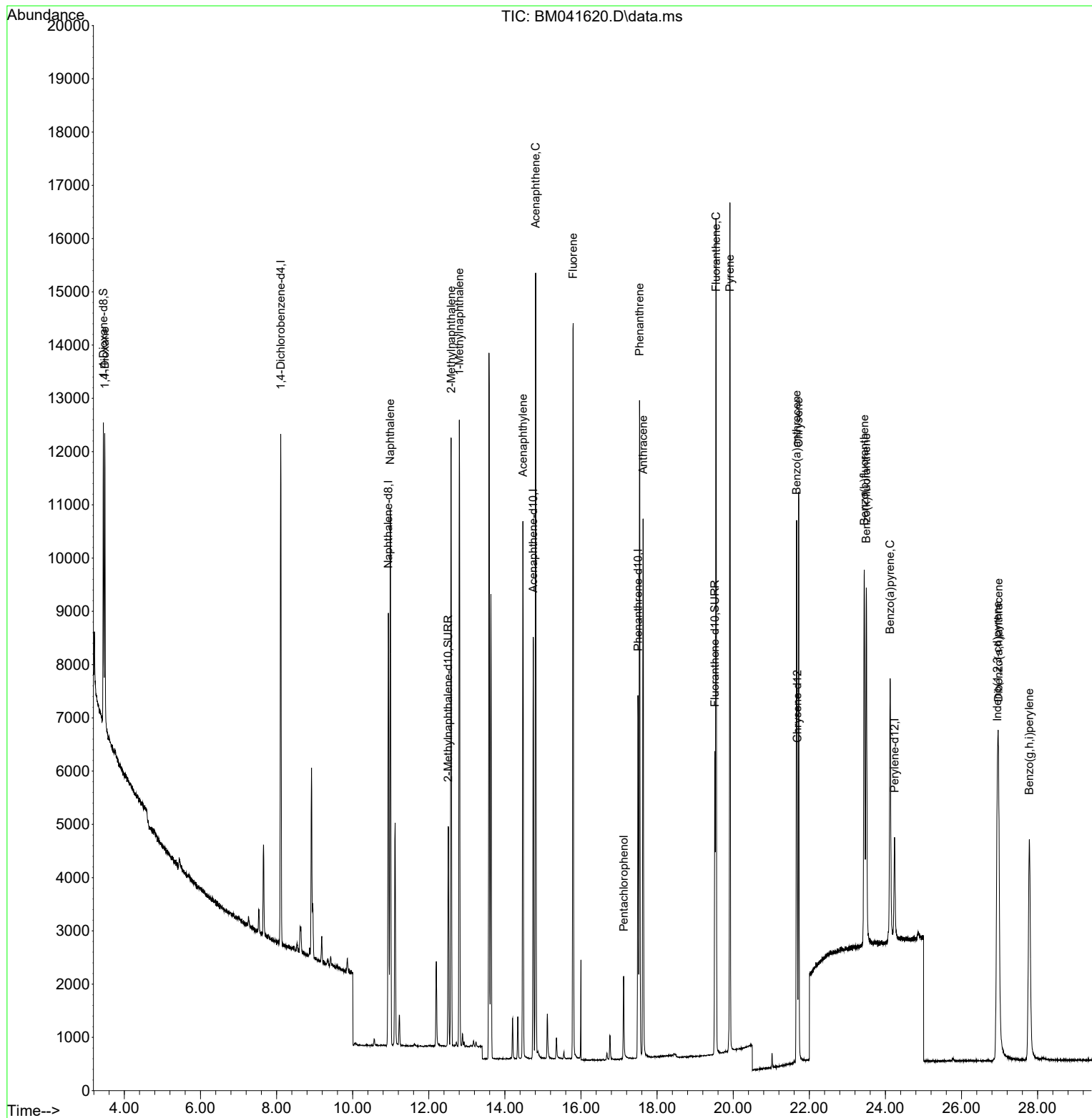
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	4723	0.400	ng/ul	0.00
4) Naphthalene-d8	10.939	136	10200	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.745	164	3871	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.498	188	7184	0.400	ng/ul	0.00
17) Chrysene-d12	21.682	240	2498	0.400	ng/ul	0.00
23) Perylene-d12	24.240	264	2707	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	3111	0.446	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.511	152	5026	0.408	ng/ul	-0.01
18) Fluoranthene-d10	19.520	212	4826	0.392	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.486	88	3172	0.427	ng/ul	92
5) Naphthalene	10.988	128	13689	0.420	ng/ul	99
7) 2-Methylnaphthalene	12.588	142	7666	0.414	ng/ul	99
8) 1-Methylnaphthalene	12.803	142	7667	0.410	ng/ul	98
10) Acenaphthylene	14.477	152	11466	0.425	ng/ul	99
11) Acenaphthene	14.810	153	8007	0.430	ng/ul	97
12) Fluorene	15.795	166	8630	0.426	ng/ul	99
14) Pentachlorophenol	17.122	266	1100	0.398	ng/ul	99
15) Phenanthrene	17.540	178	12884	0.411	ng/ul	99
16) Anthracene	17.633	178	11194	0.411	ng/ul	99
19) Fluoranthene	19.548	202	12857	0.392	ng/ul	97
20) Pyrene	19.915	202	12697	0.385	ng/ul	98
21) Benzo(a)anthracene	21.664	228	8424	0.378	ng/ul	100
22) Chrysene	21.720	228	9344	0.390	ng/ul	98
24) Benzo(b)fluoranthene	23.445	252	10048	0.400	ng/ul	99
25) Benzo(k)fluoranthene	23.497	252	9402	0.394	ng/ul	99
26) Benzo(a)pyrene	24.123	252	8364	0.373	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.941	276	11661	0.390	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.971	278	8042	0.400	ng/ul	98
29) Benzo(g,h,i)perylene	27.783	276	10045	0.400	ng/ul	99

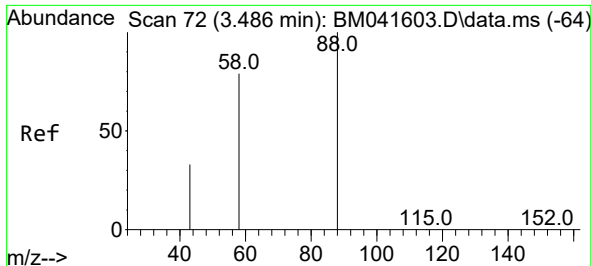
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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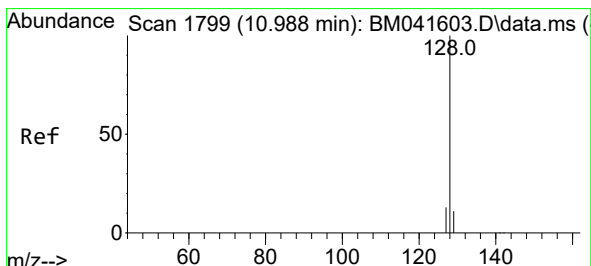
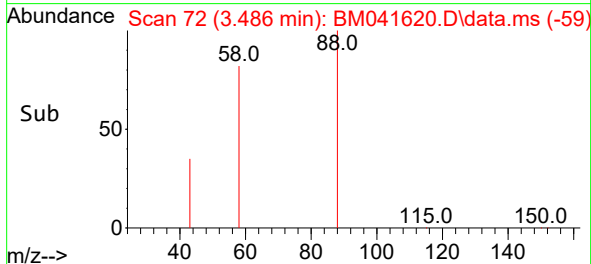
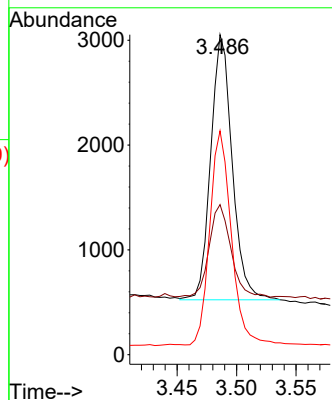
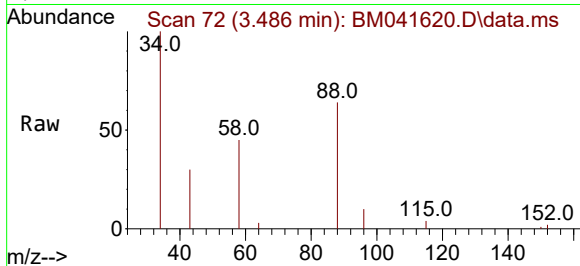




#2
1,4-Dioxane
Concen: 0.427 ng/ul
RT: 3.486 min Scan# 72
Delta R.T. -0.004 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

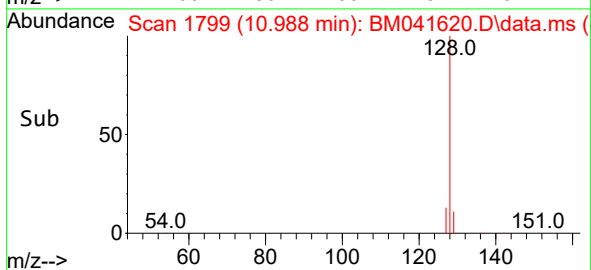
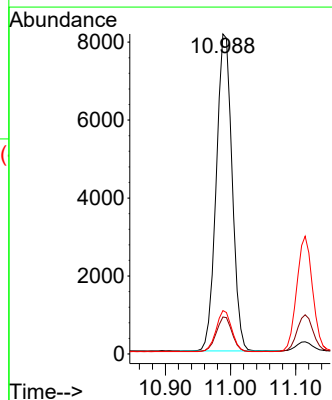
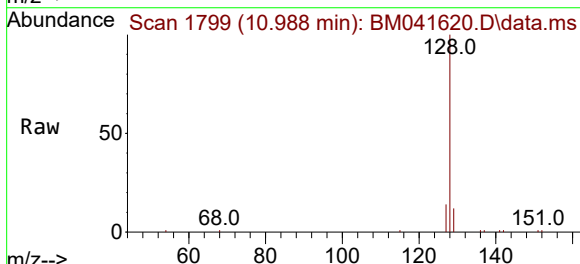
Instrument :
BNA_M
ClientSampleId :
SSTD0.4065

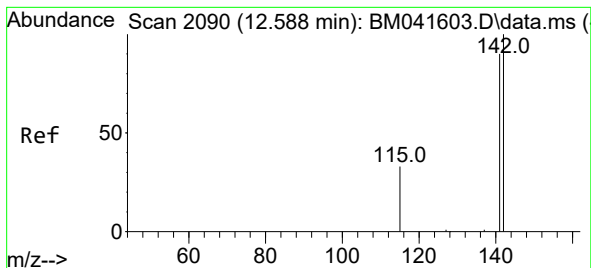
Tgt Ion: 88 Resp: 3172
Ion Ratio Lower Upper
88 100
43 46.9 46.2 69.2
58 70.0 58.1 87.1



#5
Naphthalene
Concen: 0.420 ng/ul
RT: 10.988 min Scan# 1799
Delta R.T. -0.011 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

Tgt Ion: 128 Resp: 13689
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.6 10.6 15.8

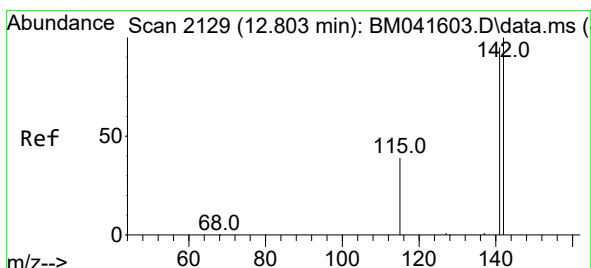
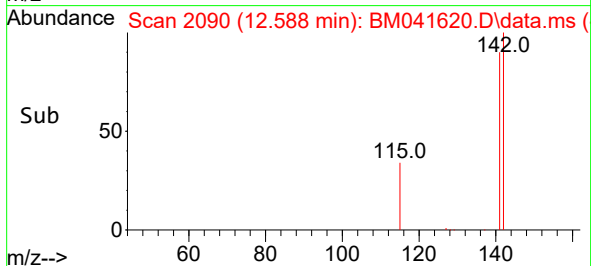
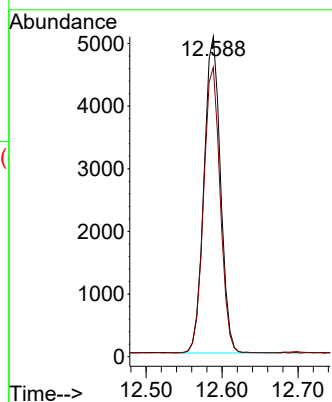
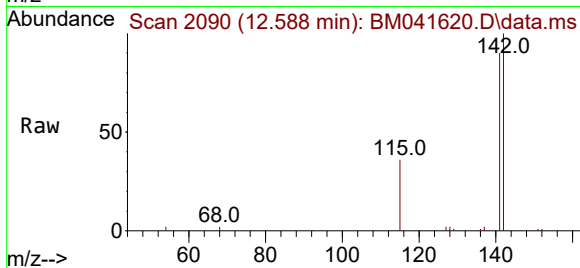




#7
2-Methylnaphthalene
Concen: 0.414 ng/ul
RT: 12.588 min Scan# 2090
Delta R.T. -0.005 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

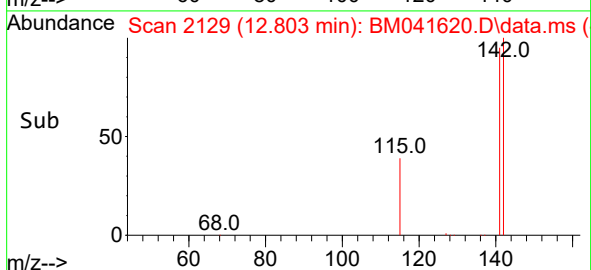
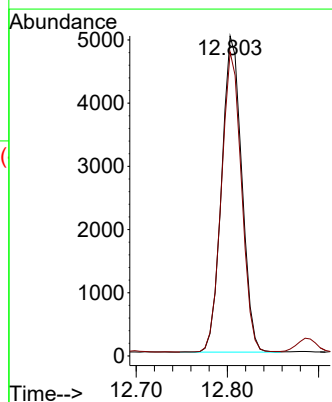
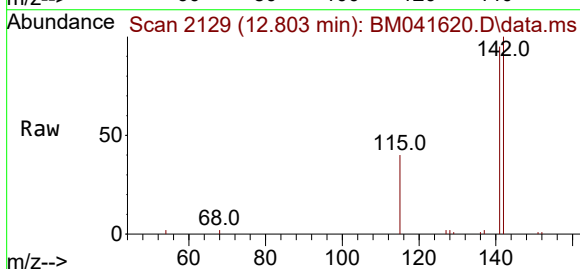
Instrument :
BNA_M
ClientSampleId :
SSTD0.4065

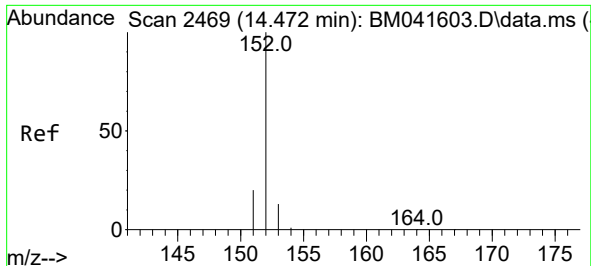
Tgt Ion:142 Resp: 7666
Ion Ratio Lower Upper
142 100
141 90.4 71.8 107.8



#8
1-Methylnaphthalene
Concen: 0.410 ng/ul
RT: 12.803 min Scan# 2129
Delta R.T. -0.011 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

Tgt Ion:142 Resp: 7667
Ion Ratio Lower Upper
142 100
141 94.5 74.2 111.2

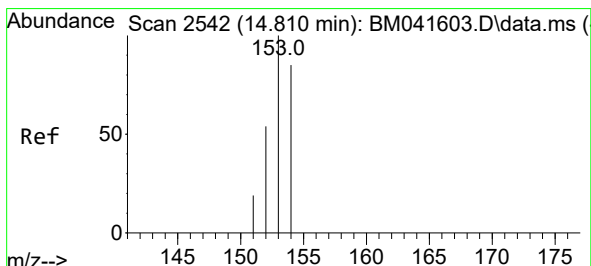
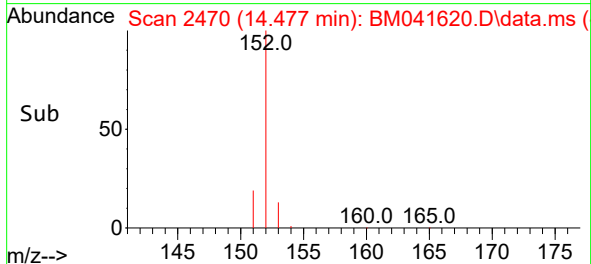
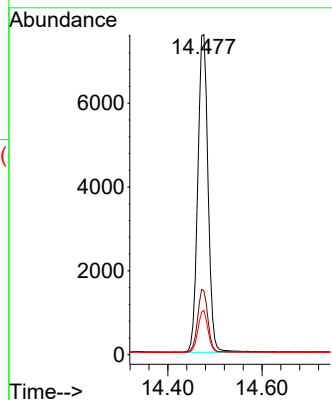
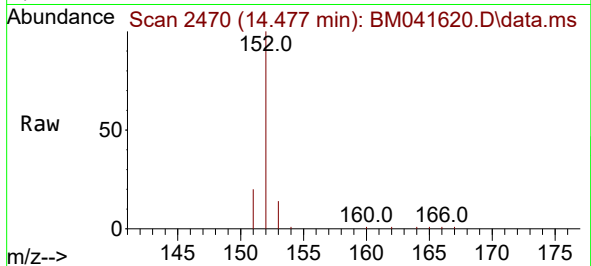




#10
Acenaphthylene
Concen: 0.425 ng/ul
RT: 14.477 min Scan# 2469
Delta R.T. -0.004 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

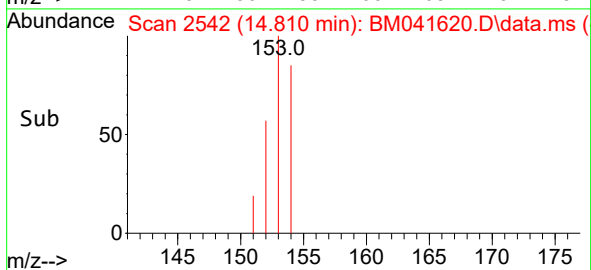
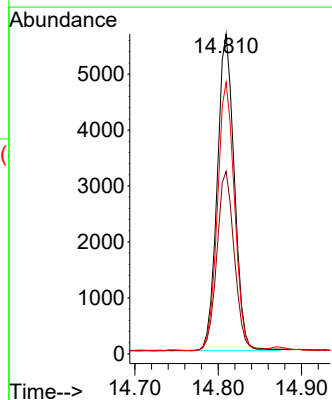
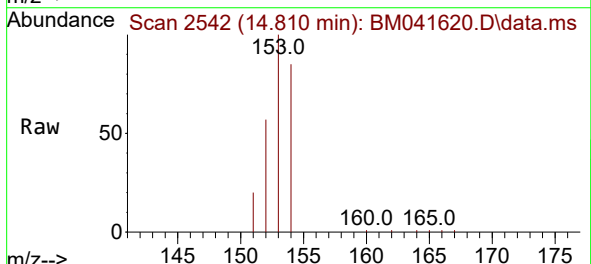
Instrument :
BNA_M
ClientSampleId :
SSTD0.4065

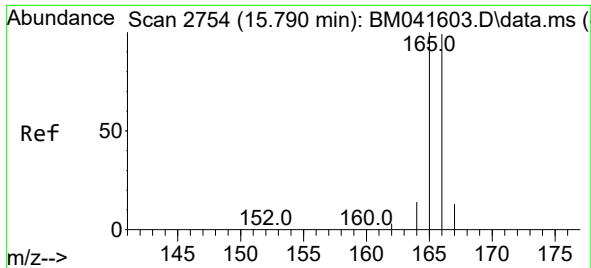
Tgt Ion:152 Resp: 11466
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.8 10.6 15.8



#11
Acenaphthene
Concen: 0.430 ng/ul
RT: 14.810 min Scan# 2542
Delta R.T. -0.009 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

Tgt Ion:153 Resp: 8007
Ion Ratio Lower Upper
153 100
152 57.1 43.4 65.2
154 84.9 70.2 105.2

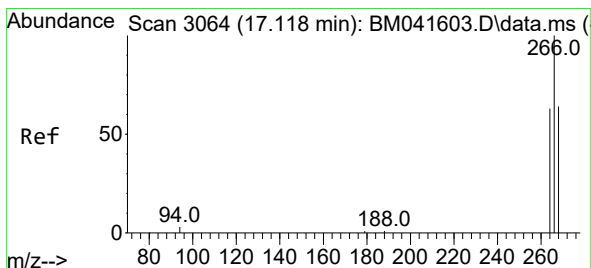
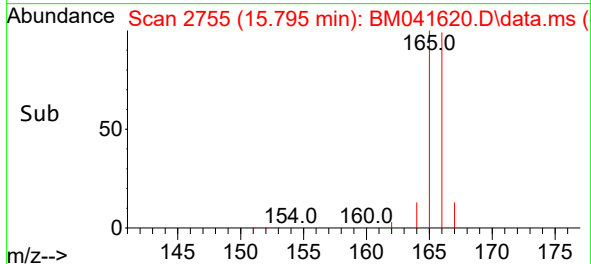
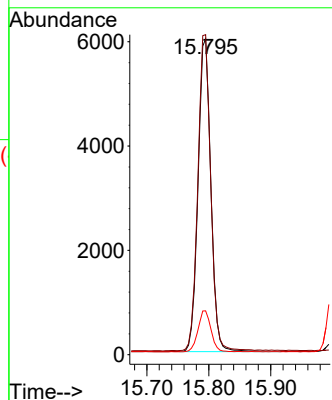
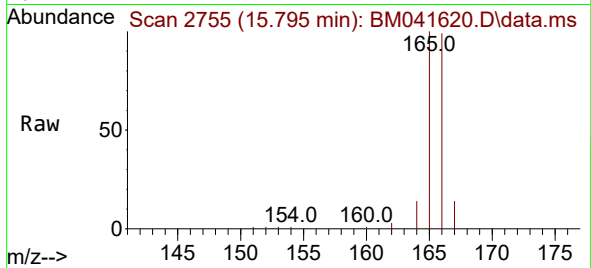




#12
Fluorene
Concen: 0.426 ng/ul
RT: 15.795 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

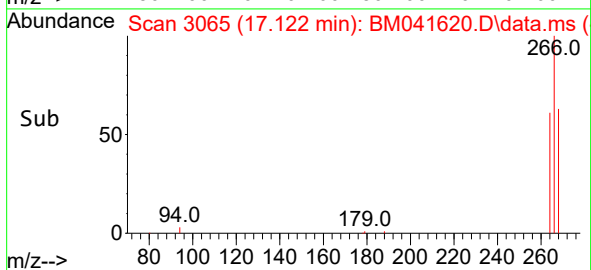
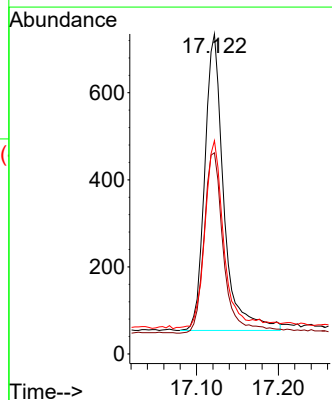
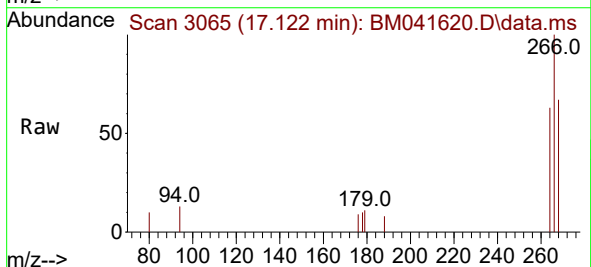
Instrument :
BNA_M
ClientSampleId :
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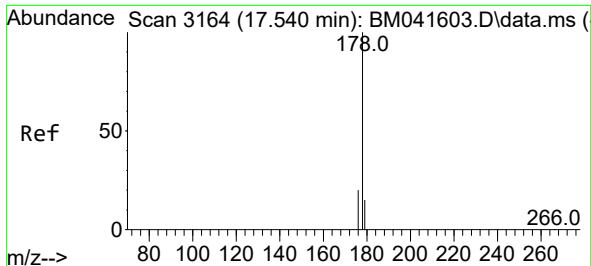
Tgt Ion:166 Resp: 8630
Ion Ratio Lower Upper
166 100
165 101.3 82.2 123.2
167 13.9 11.5 17.3



#14
Pentachlorophenol
Concen: 0.398 ng/ul
RT: 17.122 min Scan# 3065
Delta R.T. -0.004 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

Tgt Ion:266 Resp: 1100
Ion Ratio Lower Upper
266 100
264 62.5 49.3 73.9
268 62.8 50.2 75.4

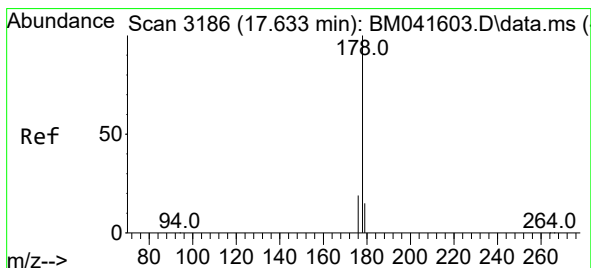
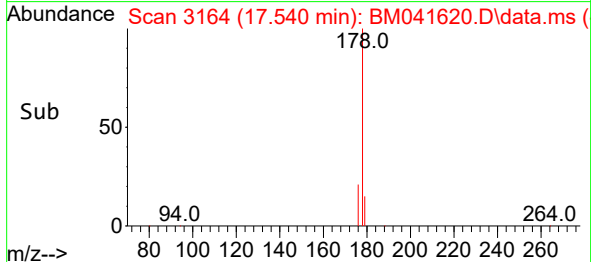
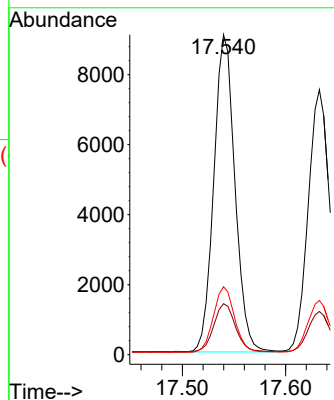
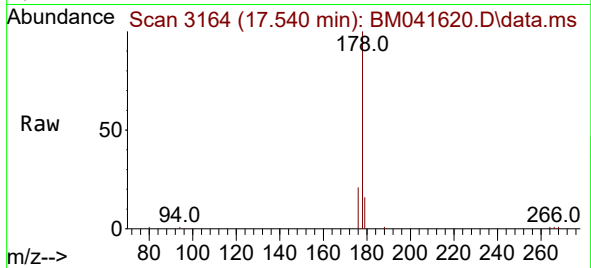




#15
Phenanthrene
Concen: 0.411 ng/ul
RT: 17.540 min Scan# 3164
Delta R.T. -0.008 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

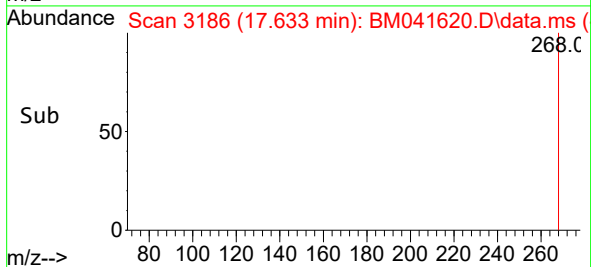
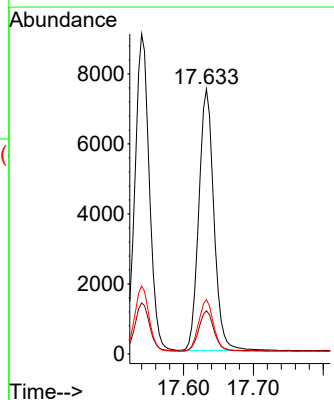
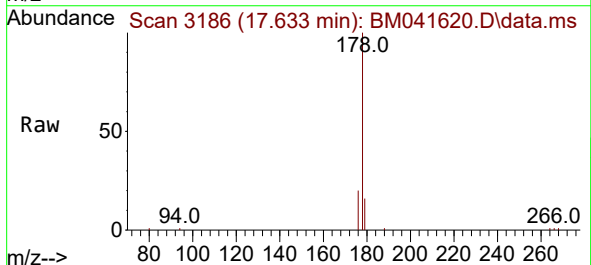
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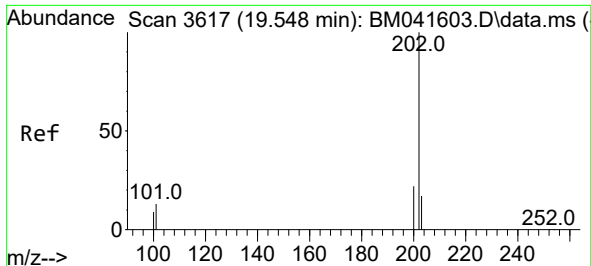
Tgt Ion:178 Resp: 12884
Ion Ratio Lower Upper
178 100
179 15.9 12.6 19.0
176 21.3 16.2 24.4



#16
Anthracene
Concen: 0.411 ng/ul
RT: 17.633 min Scan# 3186
Delta R.T. -0.008 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

Tgt Ion:178 Resp: 11194
Ion Ratio Lower Upper
178 100
179 16.3 12.9 19.3
176 20.5 15.6 23.4

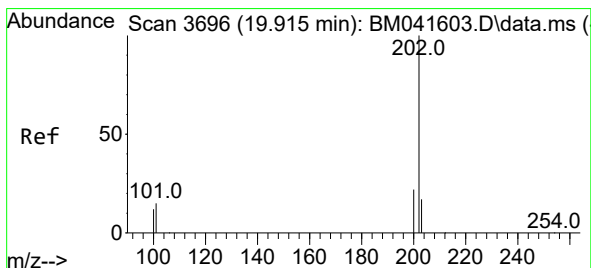
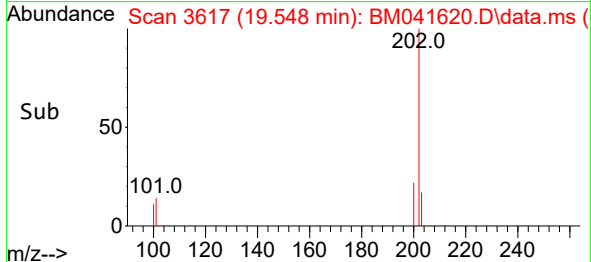
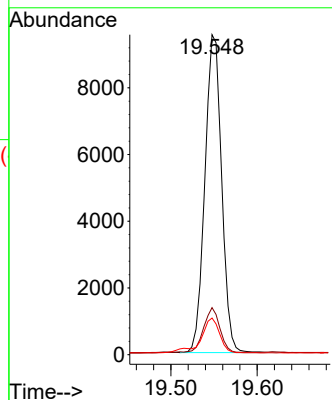
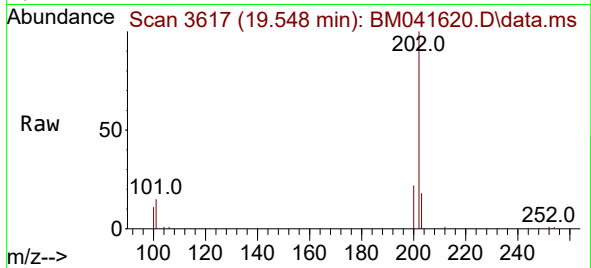




#19
Fluoranthene
Concen: 0.392 ng/ul
RT: 19.548 min Scan# 3617
Delta R.T. -0.009 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

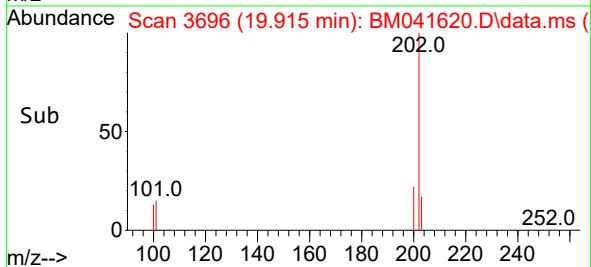
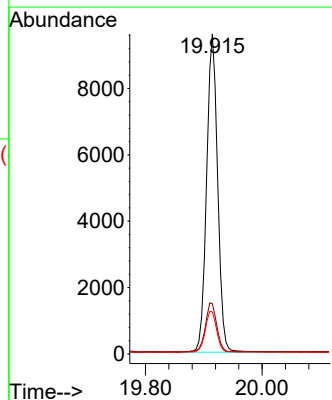
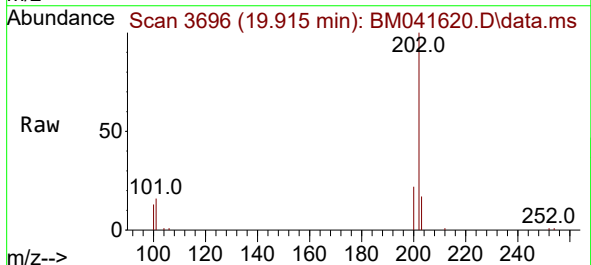
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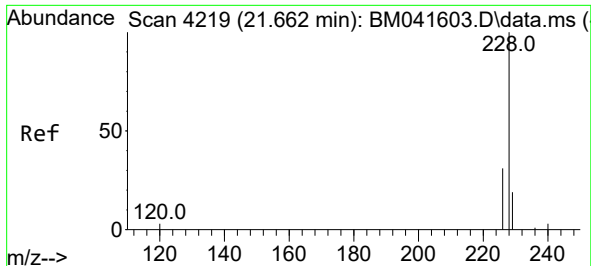
Tgt Ion:202 Resp: 12857
Ion Ratio Lower Upper
202 100
101 14.7 10.7 16.1
100 11.5 8.1 12.1



#20
Pyrene
Concen: 0.385 ng/ul
RT: 19.915 min Scan# 3696
Delta R.T. -0.009 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

Tgt Ion:202 Resp: 12697
Ion Ratio Lower Upper
202 100
101 15.7 12.2 18.4
100 13.2 9.8 14.8

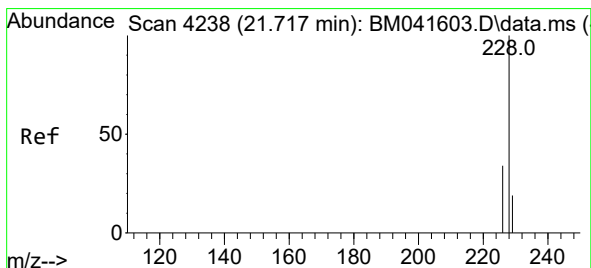
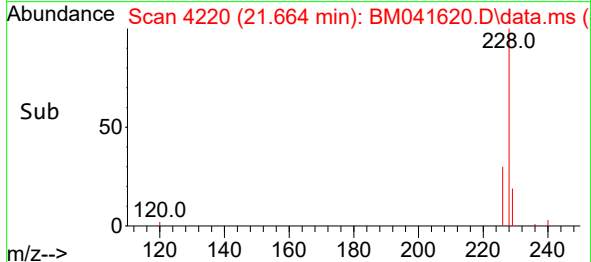
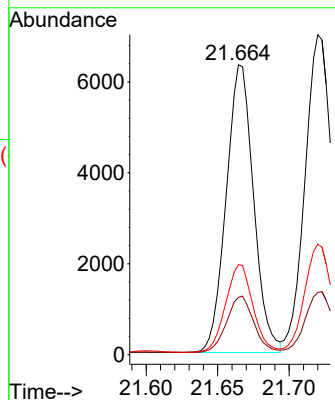
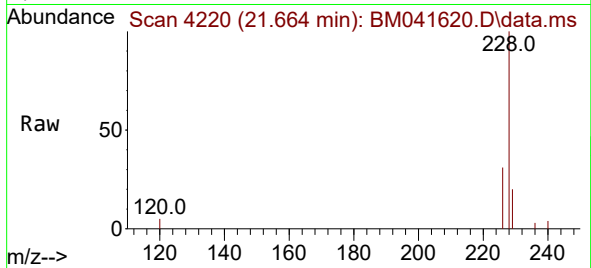




#21
Benzo(a)anthracene
Concen: 0.378 ng/ul
RT: 21.664 min Scan# 4219
Delta R.T. -0.006 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

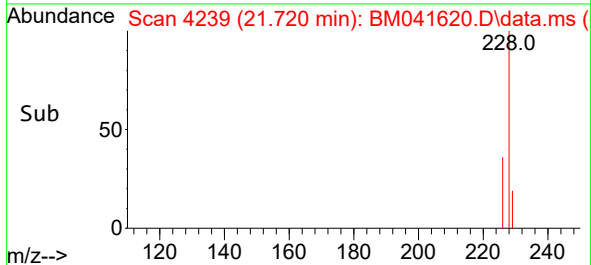
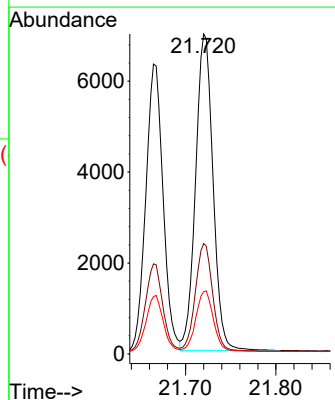
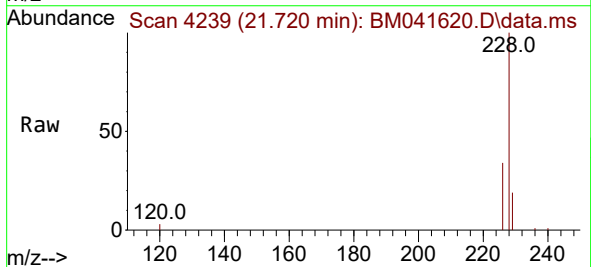
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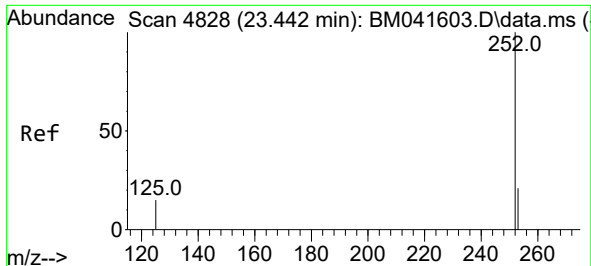
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Ion Ratio Lower Upper
228 100
229 19.7 15.6 23.4
226 31.1 25.0 37.4



#22
Chrysene
Concen: 0.390 ng/ul
RT: 21.720 min Scan# 4239
Delta R.T. -0.009 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

Tgt Ion:228 Resp: 9344
Ion Ratio Lower Upper
228 100
226 34.5 26.7 40.1
229 19.5 15.9 23.9

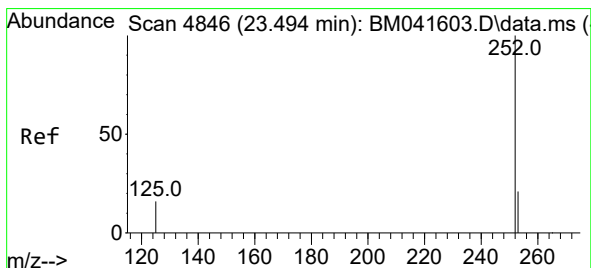
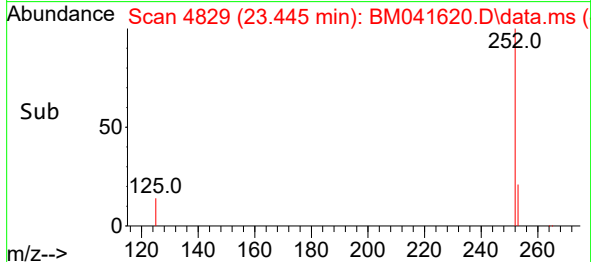
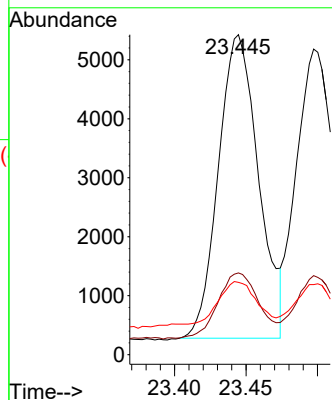
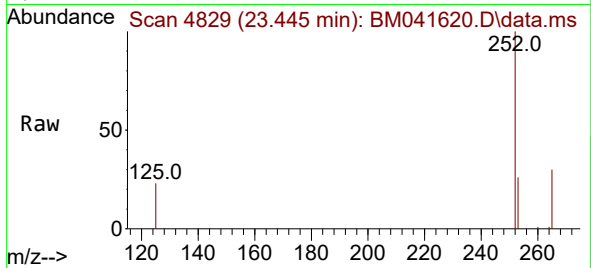




#24
Benzo(b)fluoranthene
Concen: 0.400 ng/ul
RT: 23.445 min Scan# 4828
Delta R.T. -0.014 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

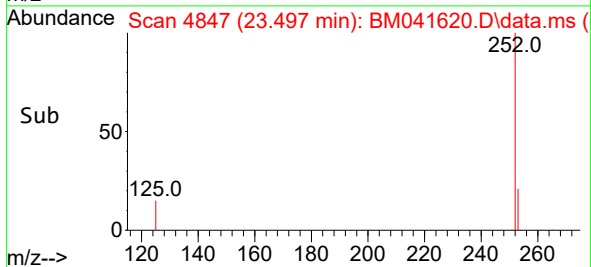
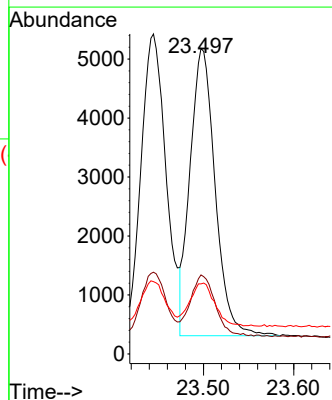
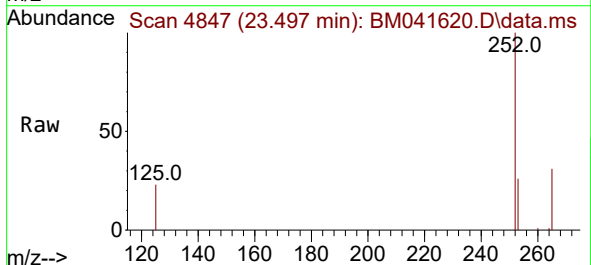
Instrument :
BNA_M
ClientSampleId :
SSTD0.4065

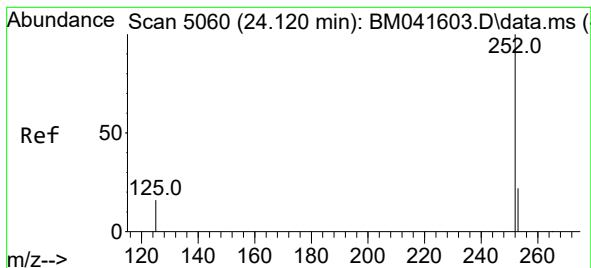
Tgt Ion:252 Resp: 10048
Ion Ratio Lower Upper
252 100
253 25.5 0.0 50.0
125 22.6 0.0 44.0



#25
Benzo(k)fluoranthene
Concen: 0.394 ng/ul
RT: 23.497 min Scan# 4847
Delta R.T. -0.014 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

Tgt Ion:252 Resp: 9402
Ion Ratio Lower Upper
252 100
253 25.9 20.2 30.4
125 22.9 18.2 27.4





#26

Benzo(a)pyrene

Concen: 0.373 ng/ul

RT: 24.123 min Scan# 5060

Delta R.T. -0.014 min

Lab File: BM041620.D

Acq: 31 Aug 2023 18:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.4065

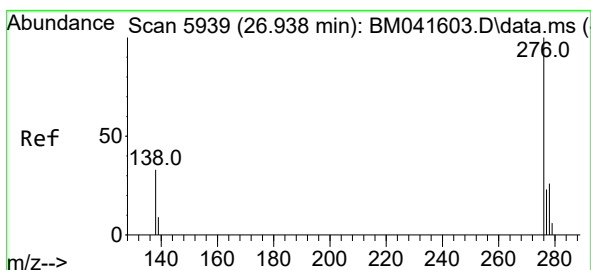
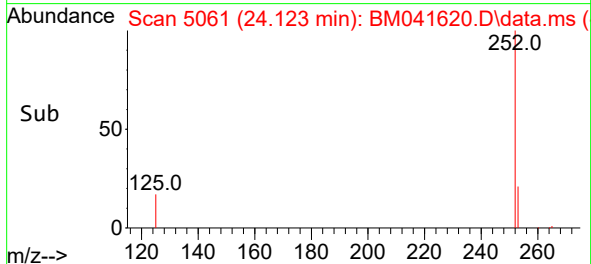
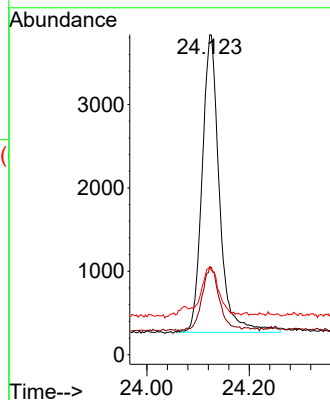
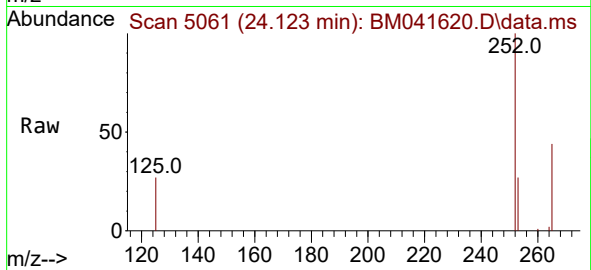
Tgt Ion:252 Resp: 8364

Ion Ratio Lower Upper

252 100

253 27.5 20.9 31.3

125 27.4 21.1 31.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.390 ng/ul

RT: 26.941 min Scan# 5940

Delta R.T. -0.023 min

Lab File: BM041620.D

Acq: 31 Aug 2023 18:06

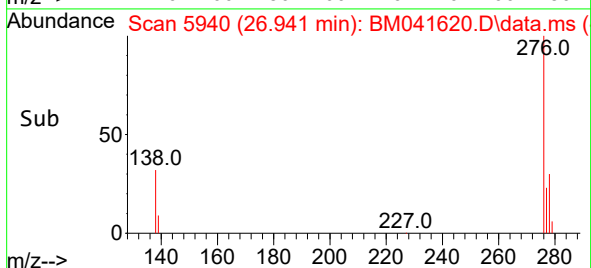
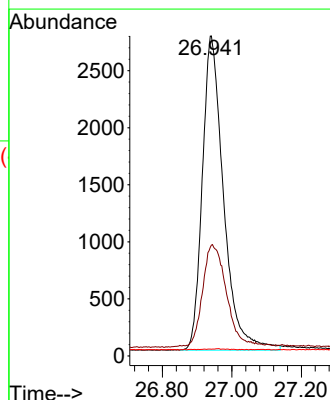
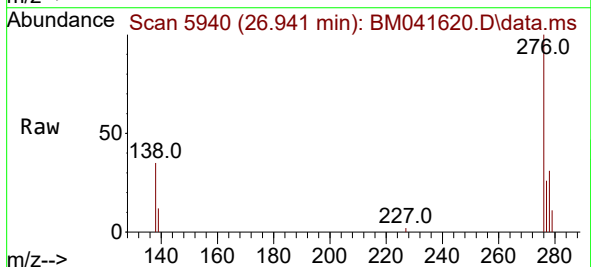
Tgt Ion:276 Resp: 11661

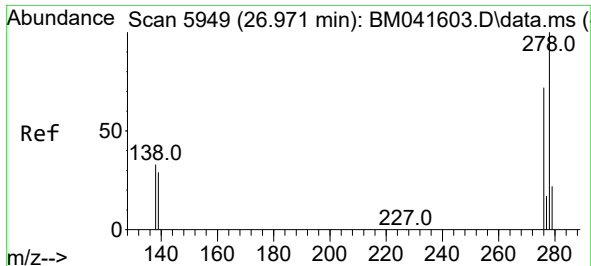
Ion Ratio Lower Upper

276 100

138 35.5 30.3 45.5

227 0.0 0.1 0.1#

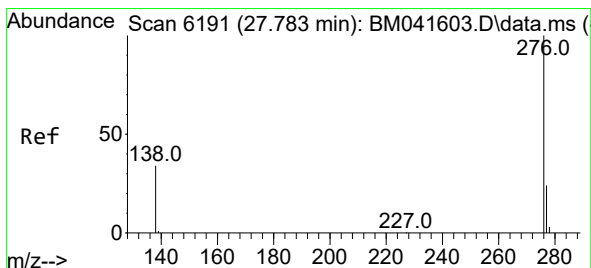
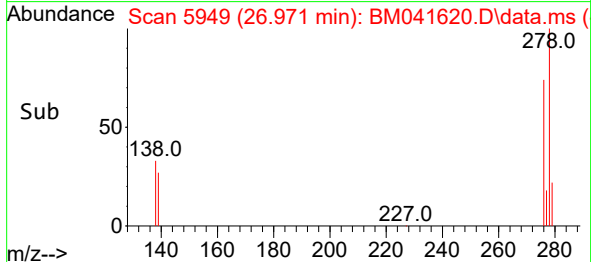
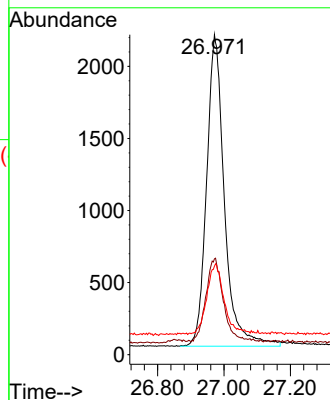
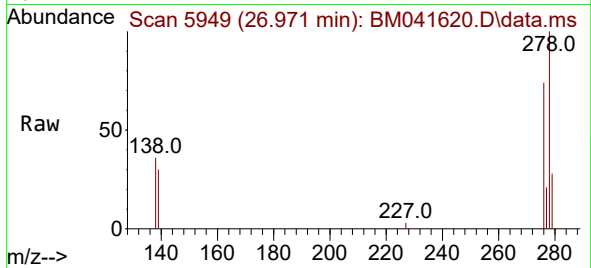




#28
Dibenzo(a,h)anthracene
Concen: 0.400 ng/ul
RT: 26.971 min Scan# 5949
Delta R.T. -0.023 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

Instrument :
BNA_M
ClientSampleId :
SSTD0.4065

Tgt Ion:278 Resp: 8042
Ion Ratio Lower Upper
278 100
139 30.0 25.0 37.4
279 27.7 22.6 34.0



#29
Benzo(g,h,i)perylene
Concen: 0.400 ng/ul
RT: 27.783 min Scan# 6191
Delta R.T. -0.023 min
Lab File: BM041620.D
Acq: 31 Aug 2023 18:06

Tgt Ion:276 Resp: 10045
Ion Ratio Lower Upper
276 100
138 33.8 27.4 41.0
277 25.1 20.4 30.6

