

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053123\
 Data File : BM040083.D
 Acq On : 31 May 2023 17:26
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4115

Quant Time: Jun 01 00:19:41 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM053123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 31 18:20:24 2023
 Response via : Initial Calibration

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

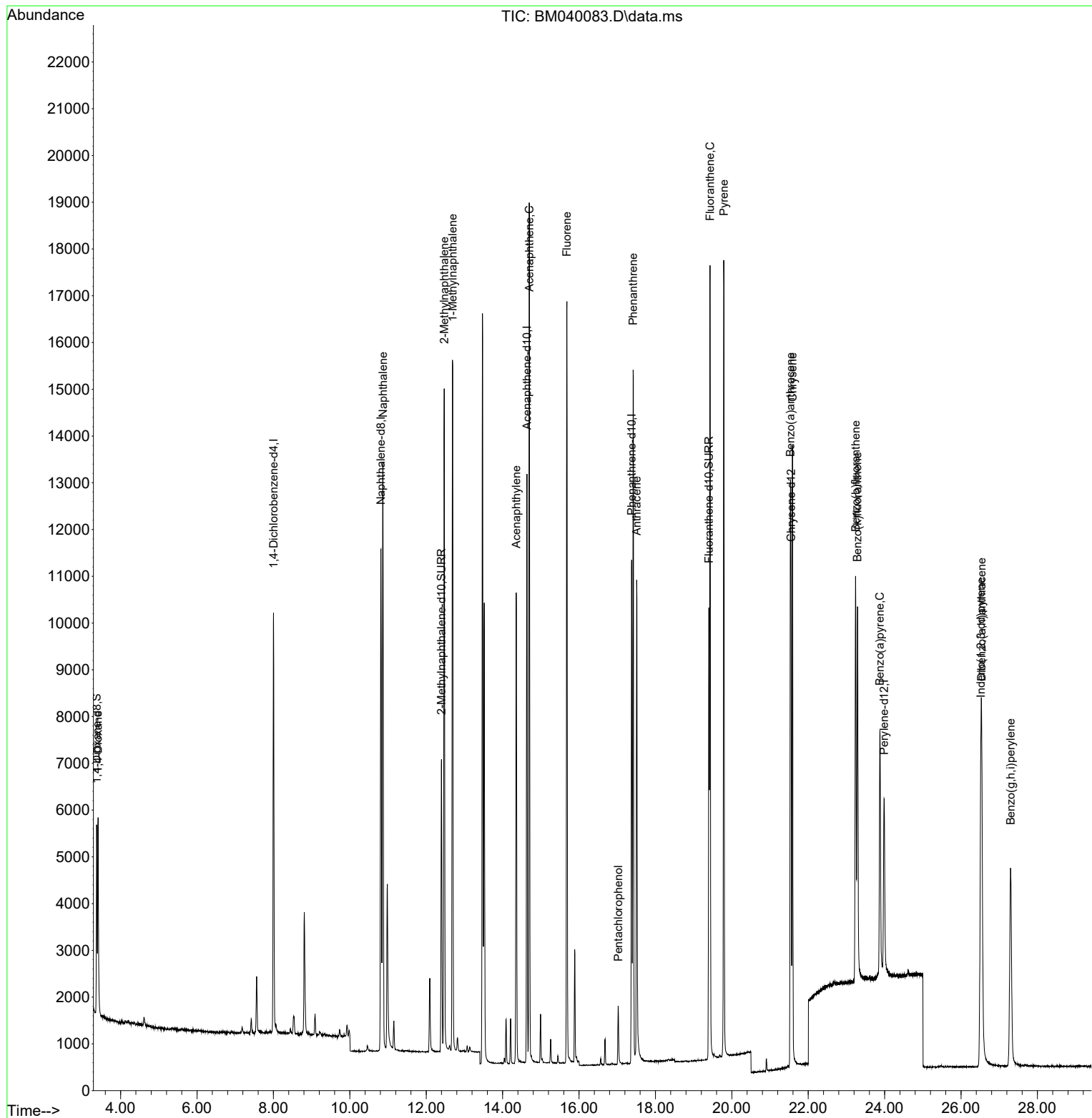
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.004	152	4616	0.400	ng/ul	0.00
4) Naphthalene-d8	10.817	136	14831	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.637	164	6587	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.379	188	12115	0.400	ng/ul	0.00
17) Chrysene-d12	21.550	240	7027	0.400	ng/ul	0.00
23) Perylene-d12	23.988	264	5866	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	2775	0.489	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.400	152	8241	0.457	ng/ul	0.00
18) Fluoranthene-d10	19.398	212	9626	0.469	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.409	88	2980	0.500	ng/ul#	68
5) Naphthalene	10.866	128	17341	0.439	ng/ul	100
7) 2-Methylnaphthalene	12.472	142	9986	0.454	ng/ul	99
8) 1-Methylnaphthalene	12.692	142	10327	0.450	ng/ul	100
10) Acenaphthylene	14.355	152	11557	0.449	ng/ul	100
11) Acenaphthene	14.697	153	10247	0.463	ng/ul	98
12) Fluorene	15.683	166	10367	0.453	ng/ul	99
14) Pentachlorophenol	17.024	266	899	0.332	ng/ul	98
15) Phenanthrene	17.417	178	15409	0.443	ng/ul	100
16) Anthracene	17.510	178	11959	0.421	ng/ul	100
19) Fluoranthene	19.431	202	14010	0.462	ng/ul	99
20) Pyrene	19.789	202	13870	0.454	ng/ul	99
21) Benzo(a)anthracene	21.532	228	10021	0.434	ng/ul	98
22) Chrysene	21.588	228	11541	0.462	ng/ul	100
24) Benzo(b)fluoranthene	23.239	252	11221	0.454	ng/ul	97
25) Benzo(k)fluoranthene	23.289	252	10696	0.454	ng/ul	98
26) Benzo(a)pyrene	23.877	252	8497	0.422	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.518	276	11353	0.435	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.541	278	9035	0.438	ng/ul	98
29) Benzo(g,h,i)perylene	27.299	276	9645	0.456	ng/ul	99

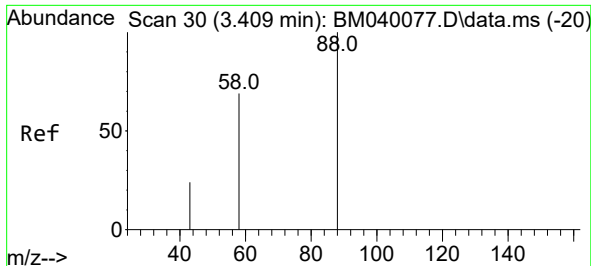
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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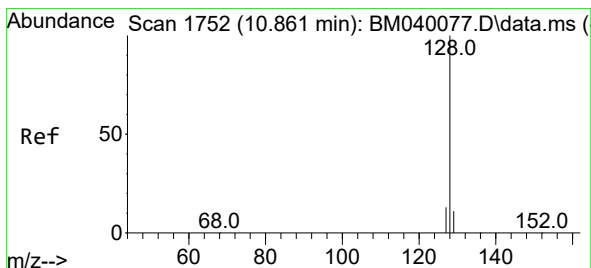
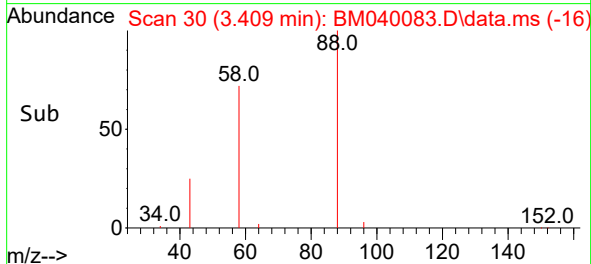
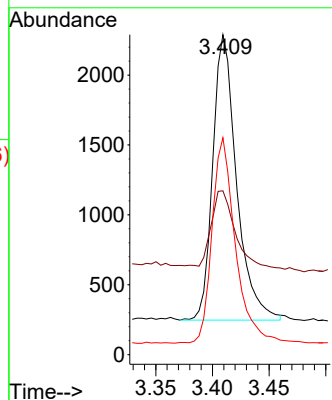
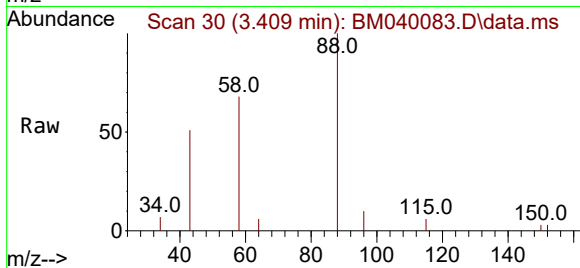




#2
1,4-Dioxane
Concen: 0.500 ng/ul
RT: 3.409 min Scan# 30
Delta R.T. 0.000 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

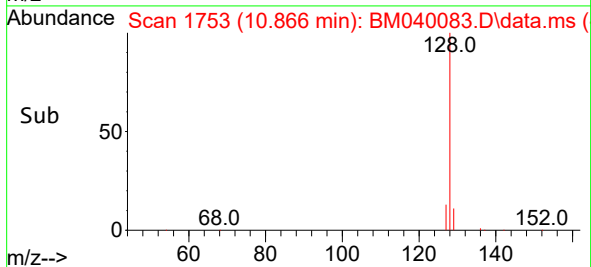
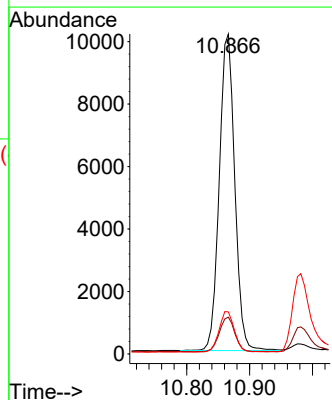
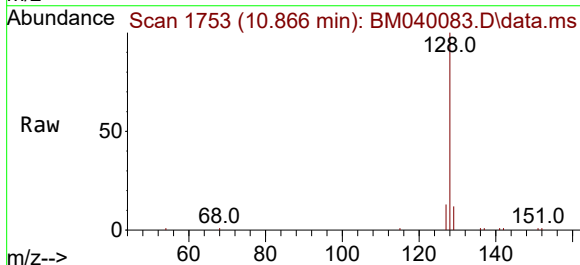
Instrument :
BNA_M
ClientSampleId :
SSTD0.4115

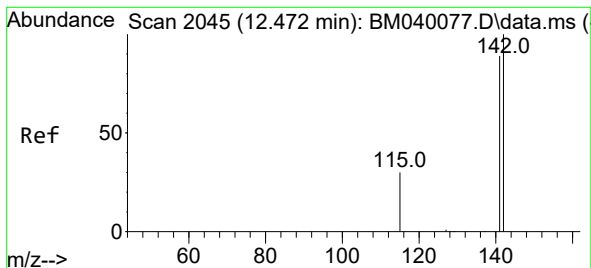
Tgt Ion: 88 Resp: 2980
Ion Ratio Lower Upper
88 100
43 51.2 81.3 121.9#
58 67.8 52.0 78.0



#5
Naphthalene
Concen: 0.439 ng/ul
RT: 10.866 min Scan# 1753
Delta R.T. 0.006 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

Tgt Ion: 128 Resp: 17341
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.1 10.5 15.7





#7

2-Methylnaphthalene

Concen: 0.454 ng/ul

RT: 12.472 min Scan# 2045

Delta R.T. 0.000 min

Lab File: BM040083.D

Acq: 31 May 2023 17:26

Instrument :

BNA_M

ClientSampleId :

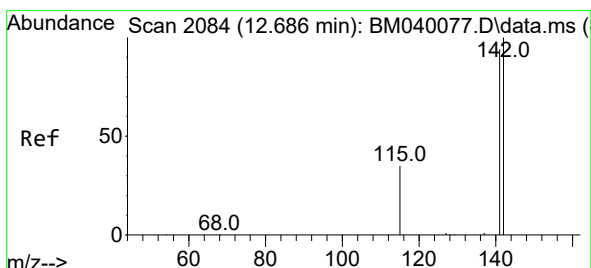
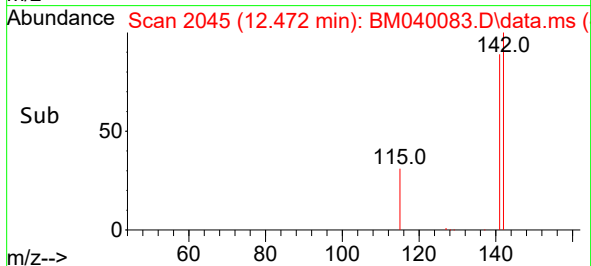
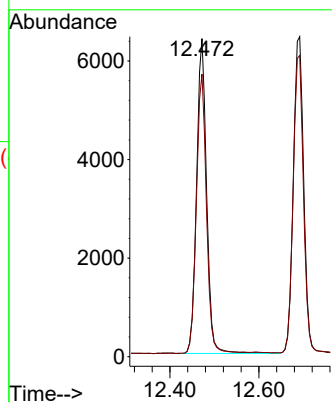
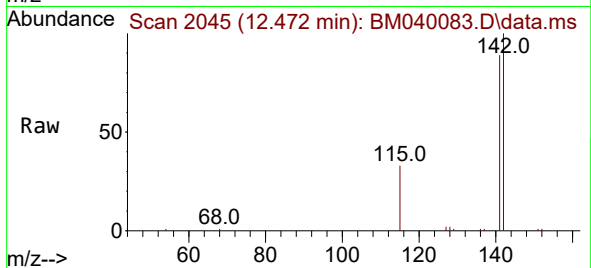
SSTD0.4115

Tgt Ion:142 Resp: 9986

Ion Ratio Lower Upper

142 100

141 90.3 71.8 107.8



#8

1-Methylnaphthalene

Concen: 0.450 ng/ul

RT: 12.692 min Scan# 2085

Delta R.T. 0.006 min

Lab File: BM040083.D

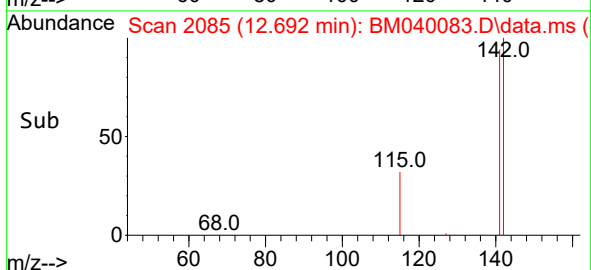
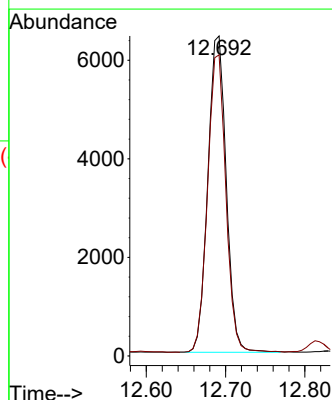
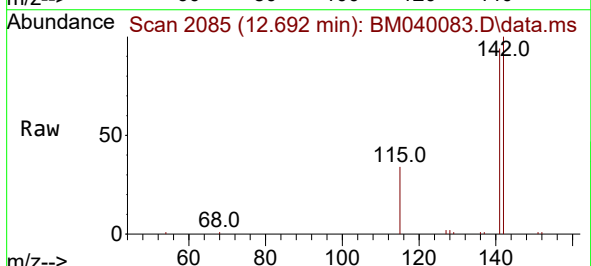
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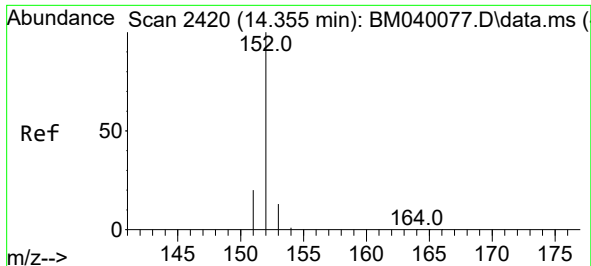
Tgt Ion:142 Resp: 10327

Ion Ratio Lower Upper

142 100

141 93.8 74.7 112.1

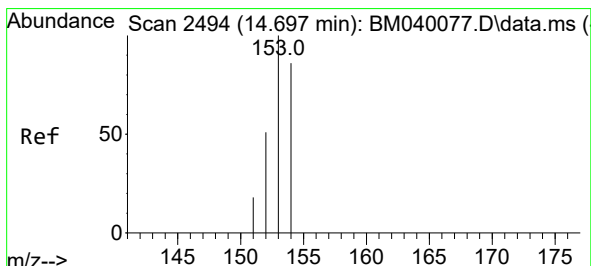
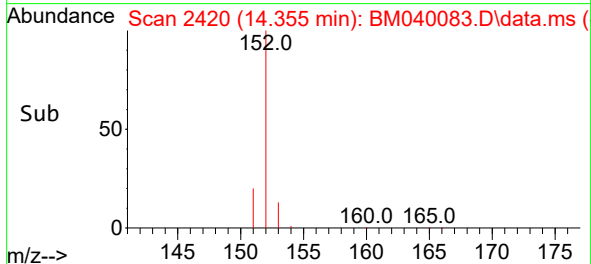
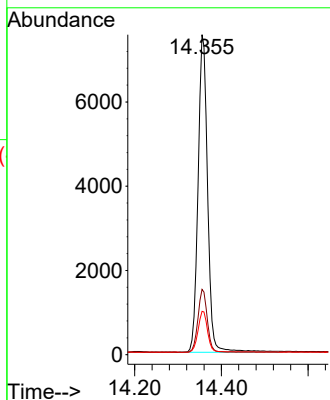
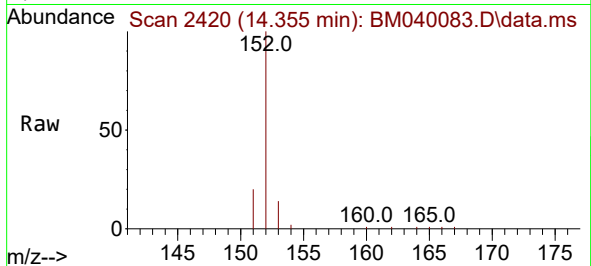




#10
Acenaphthylene
Concen: 0.449 ng/ul
RT: 14.355 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

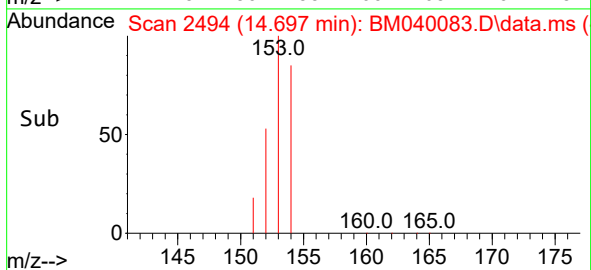
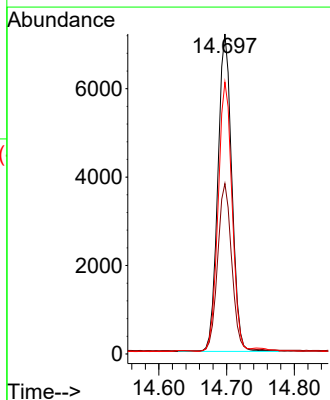
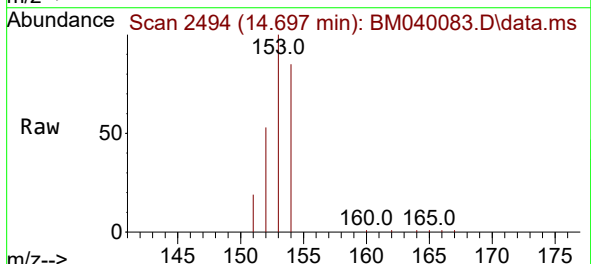
Instrument :
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ClientSampleId :
SSTD0.4115

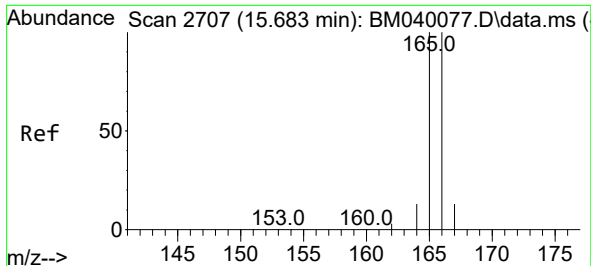
Tgt Ion:152 Resp: 11557
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 13.6 10.8 16.2



#11
Acenaphthene
Concen: 0.463 ng/ul
RT: 14.697 min Scan# 2494
Delta R.T. 0.000 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

Tgt Ion:153 Resp: 10247
Ion Ratio Lower Upper
153 100
152 53.2 41.2 61.8
154 85.0 68.8 103.2

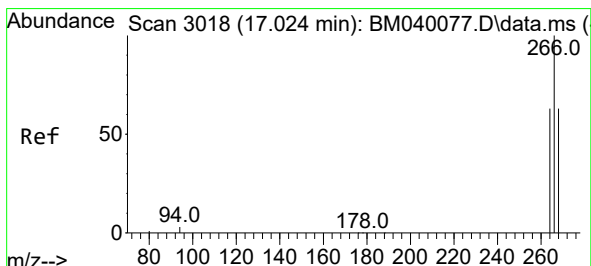
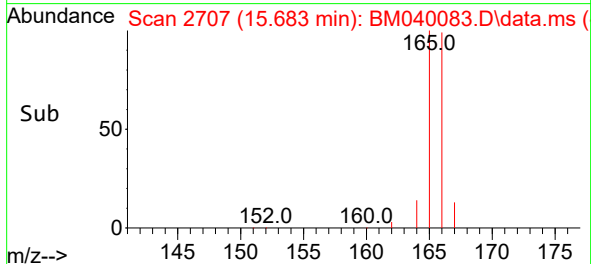
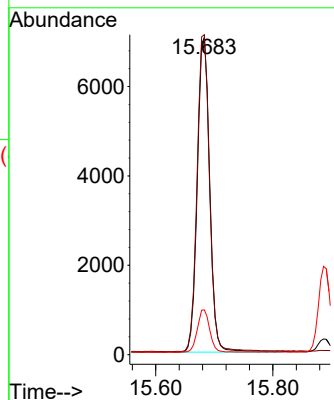
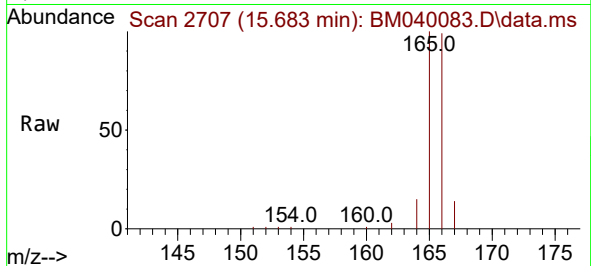




#12
Fluorene
Concen: 0.453 ng/ul
RT: 15.683 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

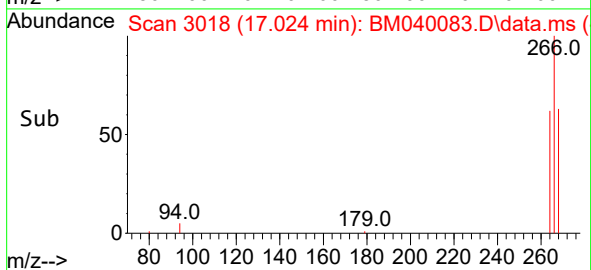
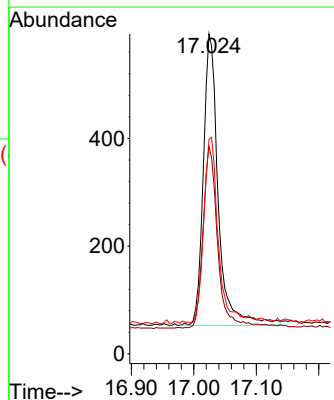
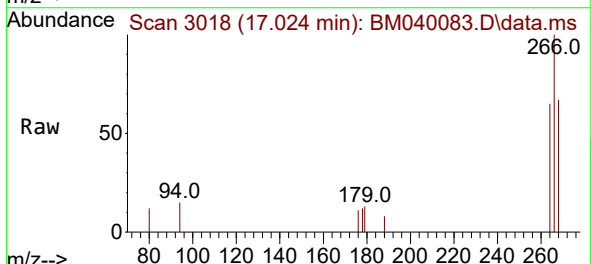
Instrument :
BNA_M
ClientSampleId :
SSTD0.4115

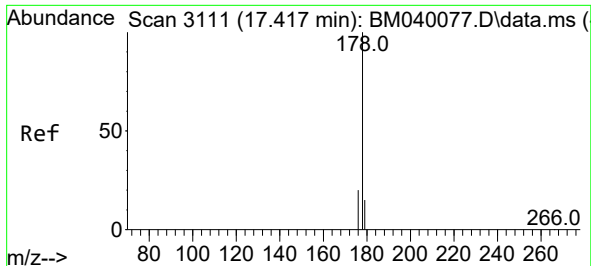
Tgt Ion:166 Resp: 10367
Ion Ratio Lower Upper
166 100
165 100.8 79.8 119.8
167 14.1 11.2 16.8



#14
Pentachlorophenol
Concen: 0.332 ng/ul
RT: 17.024 min Scan# 3018
Delta R.T. 0.000 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

Tgt Ion:266 Resp: 899
Ion Ratio Lower Upper
266 100
264 61.7 49.9 74.9
268 62.6 51.5 77.3

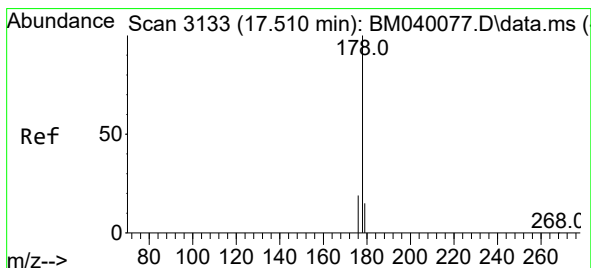
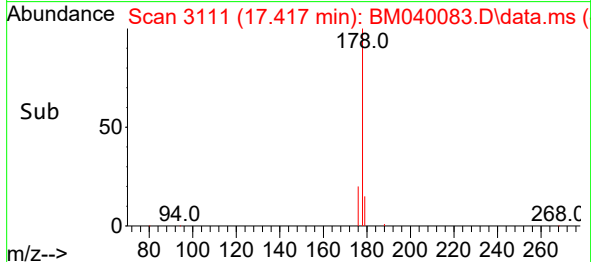
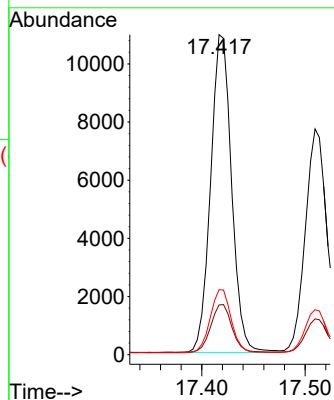
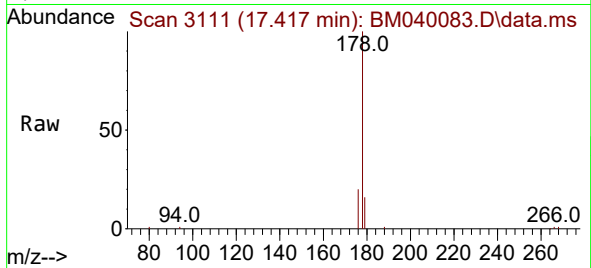




#15
Phenanthrene
Concen: 0.443 ng/ul
RT: 17.417 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

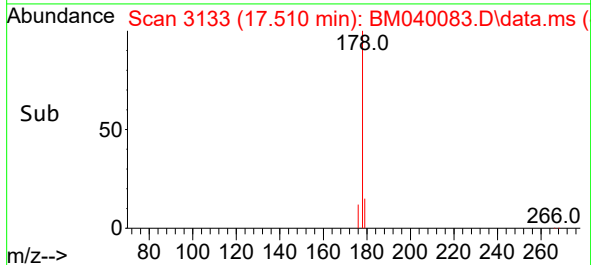
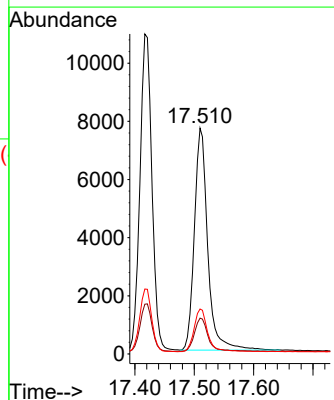
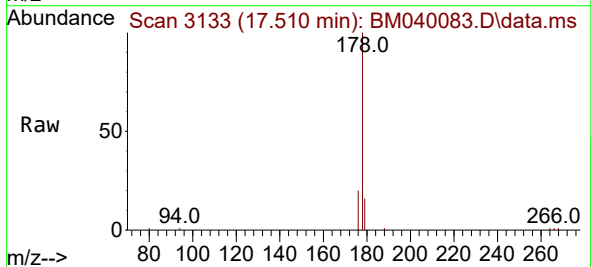
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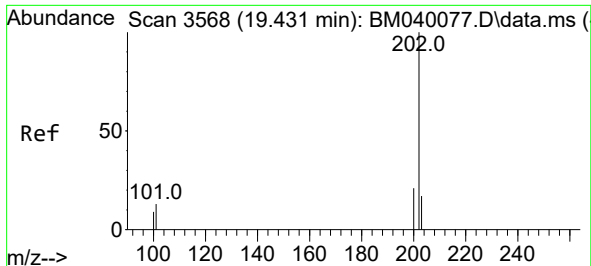
Tgt Ion:	178	Resp:	15409
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.4	18.6
176	20.3	16.4	24.6



#16
Anthracene
Concen: 0.421 ng/ul
RT: 17.510 min Scan# 3133
Delta R.T. 0.000 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

Tgt Ion:	178	Resp:	11959
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.6	19.0
176	19.9	15.8	23.6

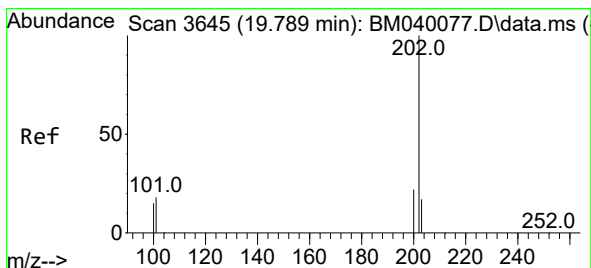
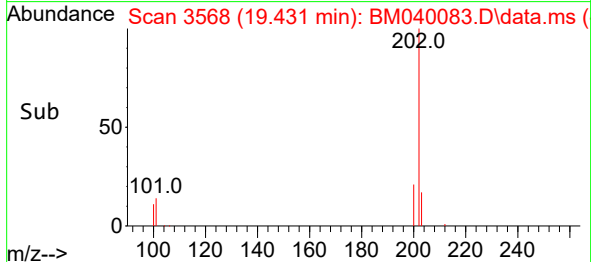
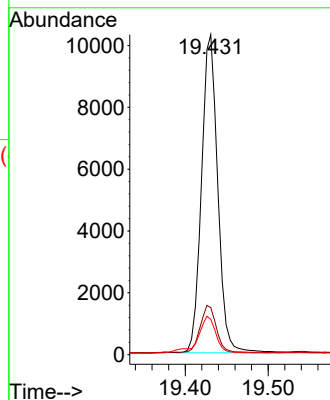
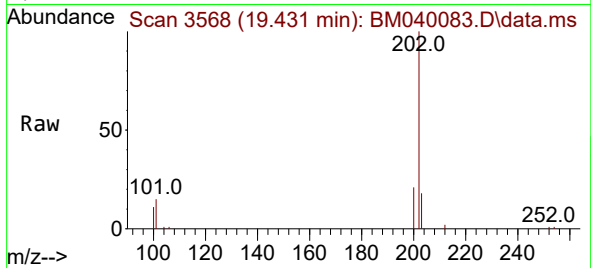




#19
Fluoranthene
Concen: 0.462 ng/ul
RT: 19.431 min Scan# 3568
Delta R.T. 0.000 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

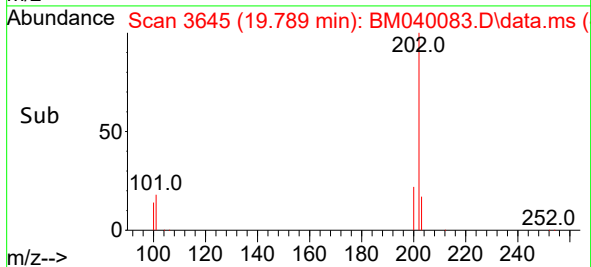
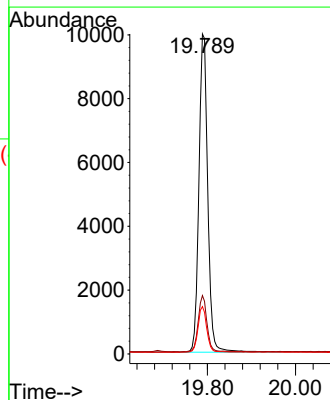
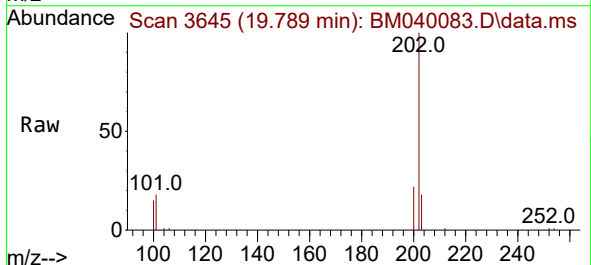
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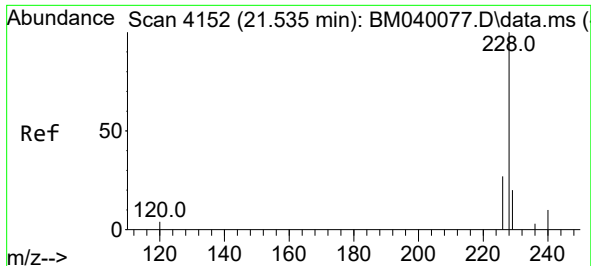
Tgt Ion:202 Resp: 14010
Ion Ratio Lower Upper
202 100
101 14.7 11.2 16.8
100 11.1 8.6 12.8



#20
Pyrene
Concen: 0.454 ng/ul
RT: 19.789 min Scan# 3645
Delta R.T. 0.000 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

Tgt Ion:202 Resp: 13870
Ion Ratio Lower Upper
202 100
101 18.2 14.7 22.1
100 14.8 12.2 18.2

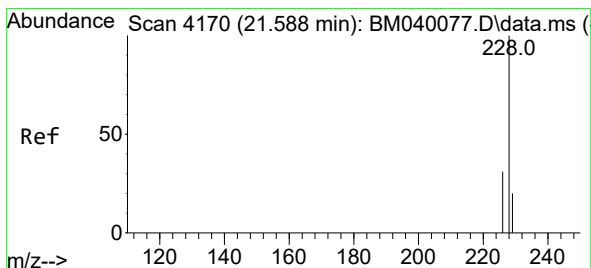
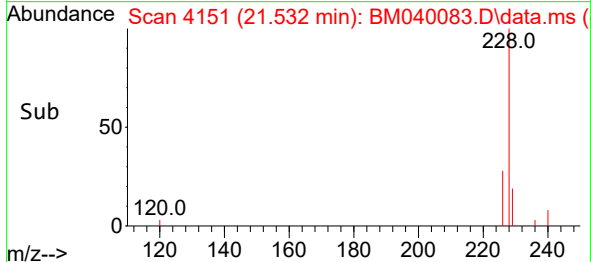
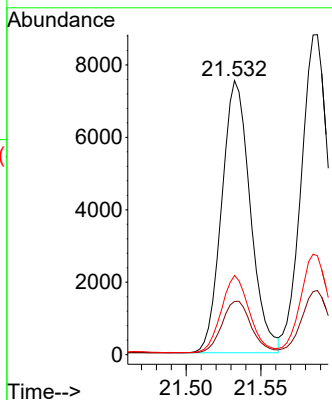
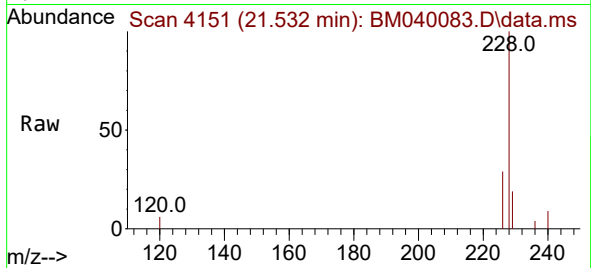




#21
Benzo(a)anthracene
Concen: 0.434 ng/ul
RT: 21.532 min Scan# 4152
Delta R.T. -0.003 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

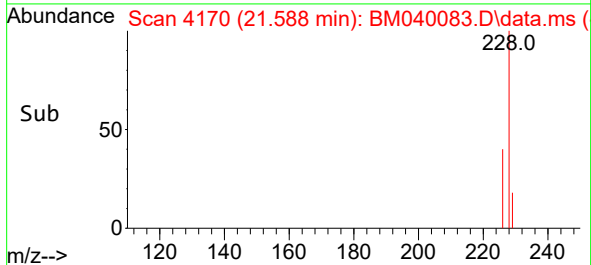
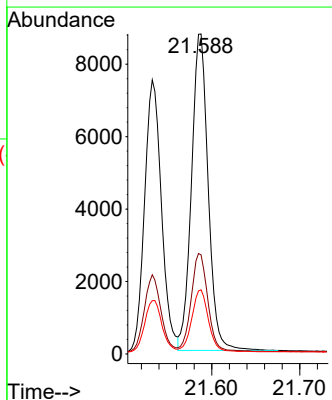
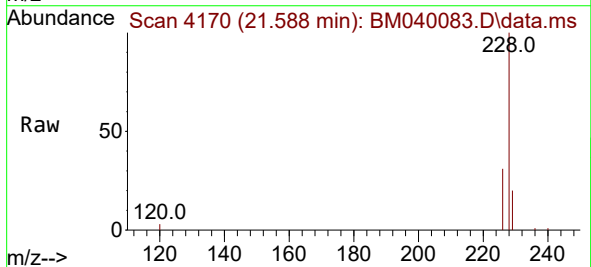
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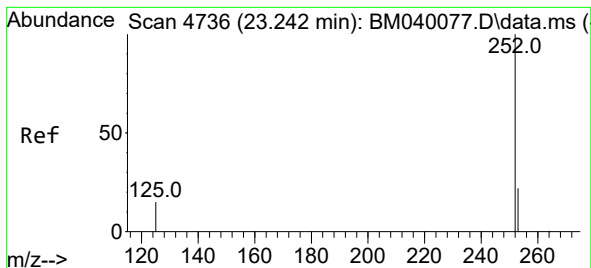
Tgt Ion:228 Resp: 10021
Ion Ratio Lower Upper
228 100
229 19.4 16.1 24.1
226 28.9 22.1 33.1



#22
Chrysene
Concen: 0.462 ng/ul
RT: 21.588 min Scan# 4170
Delta R.T. 0.000 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

Tgt Ion:228 Resp: 11541
Ion Ratio Lower Upper
228 100
226 31.0 24.8 37.2
229 20.0 15.9 23.9





#24

Benzo(b)fluoranthene

Concen: 0.454 ng/ul

RT: 23.239 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM040083.D

Acq: 31 May 2023 17:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.4115

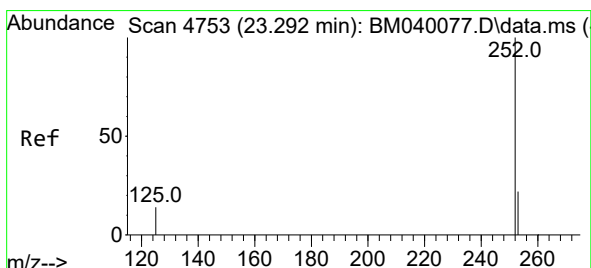
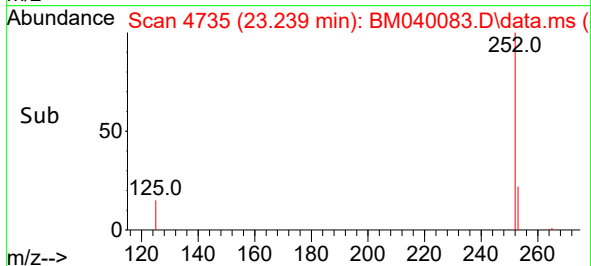
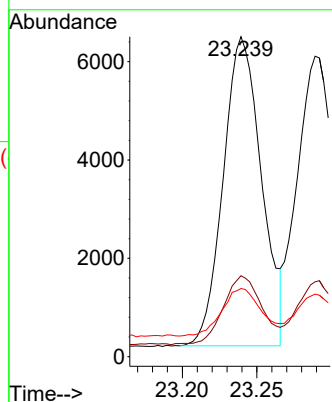
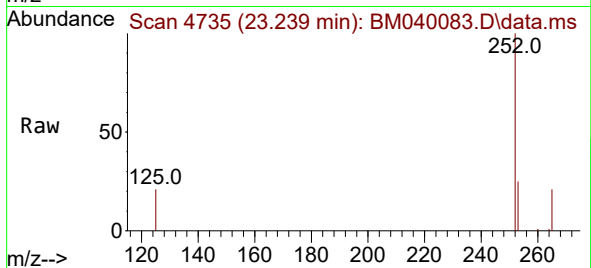
Tgt Ion:252 Resp: 11221

Ion Ratio Lower Upper

252 100

253 25.3 0.0 48.6

125 21.3 0.0 38.8



#25

Benzo(k)fluoranthene

Concen: 0.454 ng/ul

RT: 23.289 min Scan# 4752

Delta R.T. -0.003 min

Lab File: BM040083.D

Acq: 31 May 2023 17:26

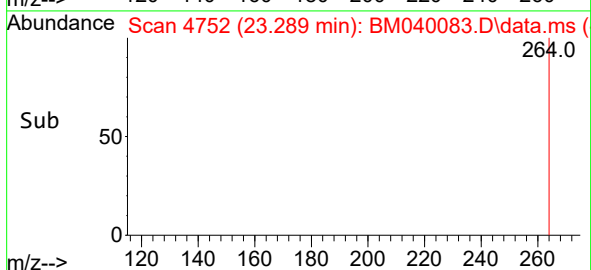
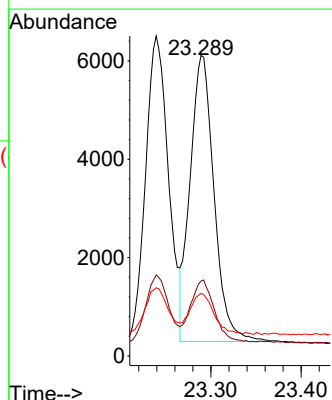
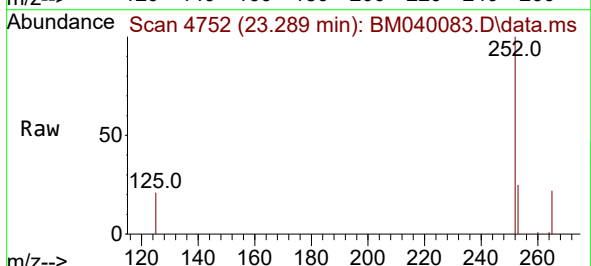
Tgt Ion:252 Resp: 10696

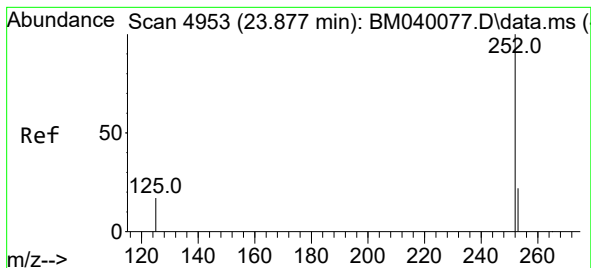
Ion Ratio Lower Upper

252 100

253 24.9 19.5 29.3

125 20.9 15.9 23.9





#26

Benzo(a)pyrene

Concen: 0.422 ng/ul

RT: 23.877 min Scan# 4953

Delta R.T. 0.000 min

Lab File: BM040083.D

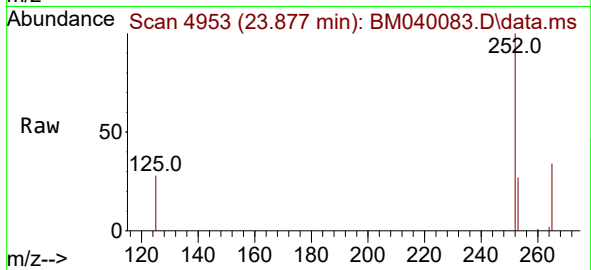
Acq: 31 May 2023 17:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.4115



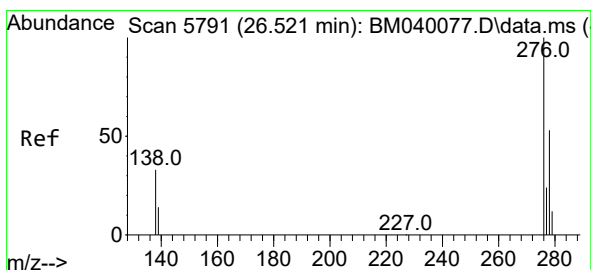
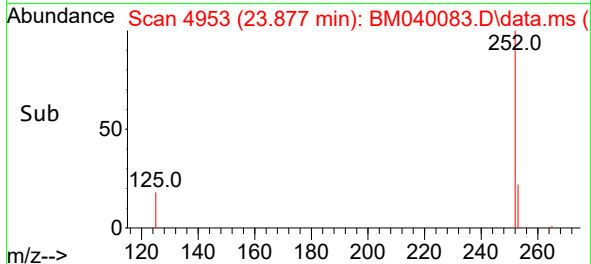
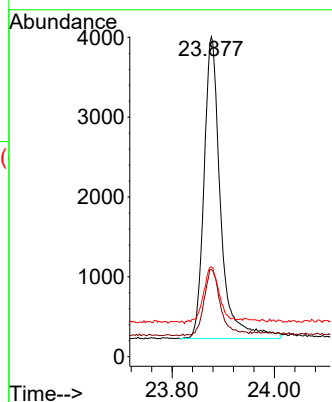
Tgt Ion:252 Resp: 8497

Ion Ratio Lower Upper

252 100

253 27.1 21.0 31.4

125 28.1 19.8 29.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.435 ng/ul

RT: 26.518 min Scan# 5790

Delta R.T. -0.003 min

Lab File: BM040083.D

Acq: 31 May 2023 17:26

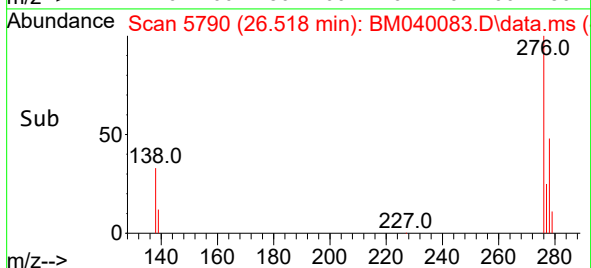
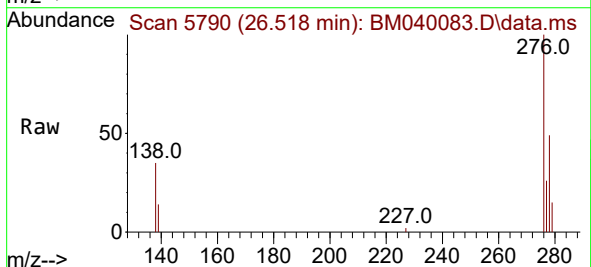
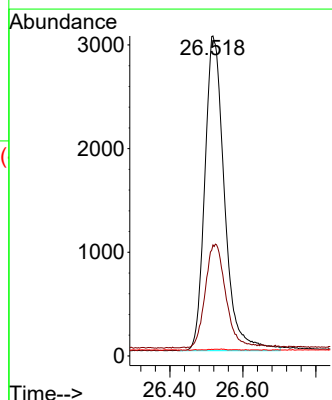
Tgt Ion:276 Resp: 11353

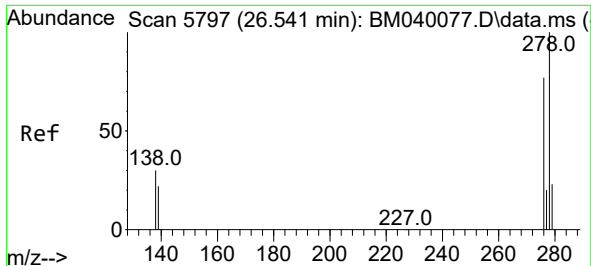
Ion Ratio Lower Upper

276 100

138 35.1 28.0 42.0

227 0.0 0.1 0.1#

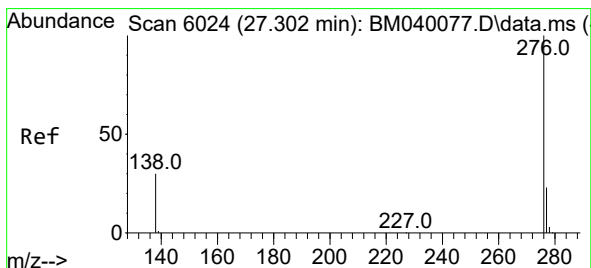
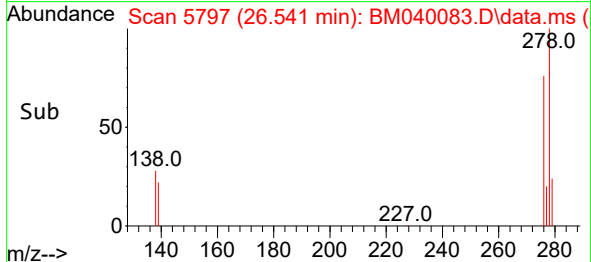
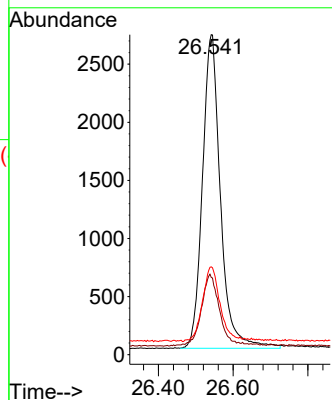
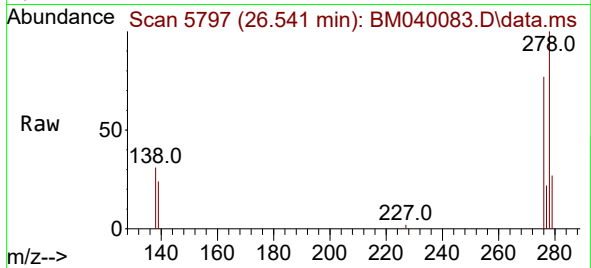




#28
Dibenzo(a,h)anthracene
Concen: 0.438 ng/ul
RT: 26.541 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

Instrument :
BNA_M
ClientSampleId :
SSTD0.4115

Tgt Ion:278 Resp: 9035
Ion Ratio Lower Upper
278 100
139 24.1 19.6 29.4
279 27.5 21.0 31.6



#29
Benzo(g,h,i)perylene
Concen: 0.456 ng/ul
RT: 27.299 min Scan# 6023
Delta R.T. -0.003 min
Lab File: BM040083.D
Acq: 31 May 2023 17:26

Tgt Ion:276 Resp: 9645
Ion Ratio Lower Upper
276 100
138 31.9 25.2 37.8
277 25.6 19.8 29.8

