

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110723\
 Data File : BM042607.D
 Acq On : 07 Nov 2023 08:50
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4124

Quant Time: Nov 07 23:05:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 02:23:03 2023
 Response via : Initial Calibration

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

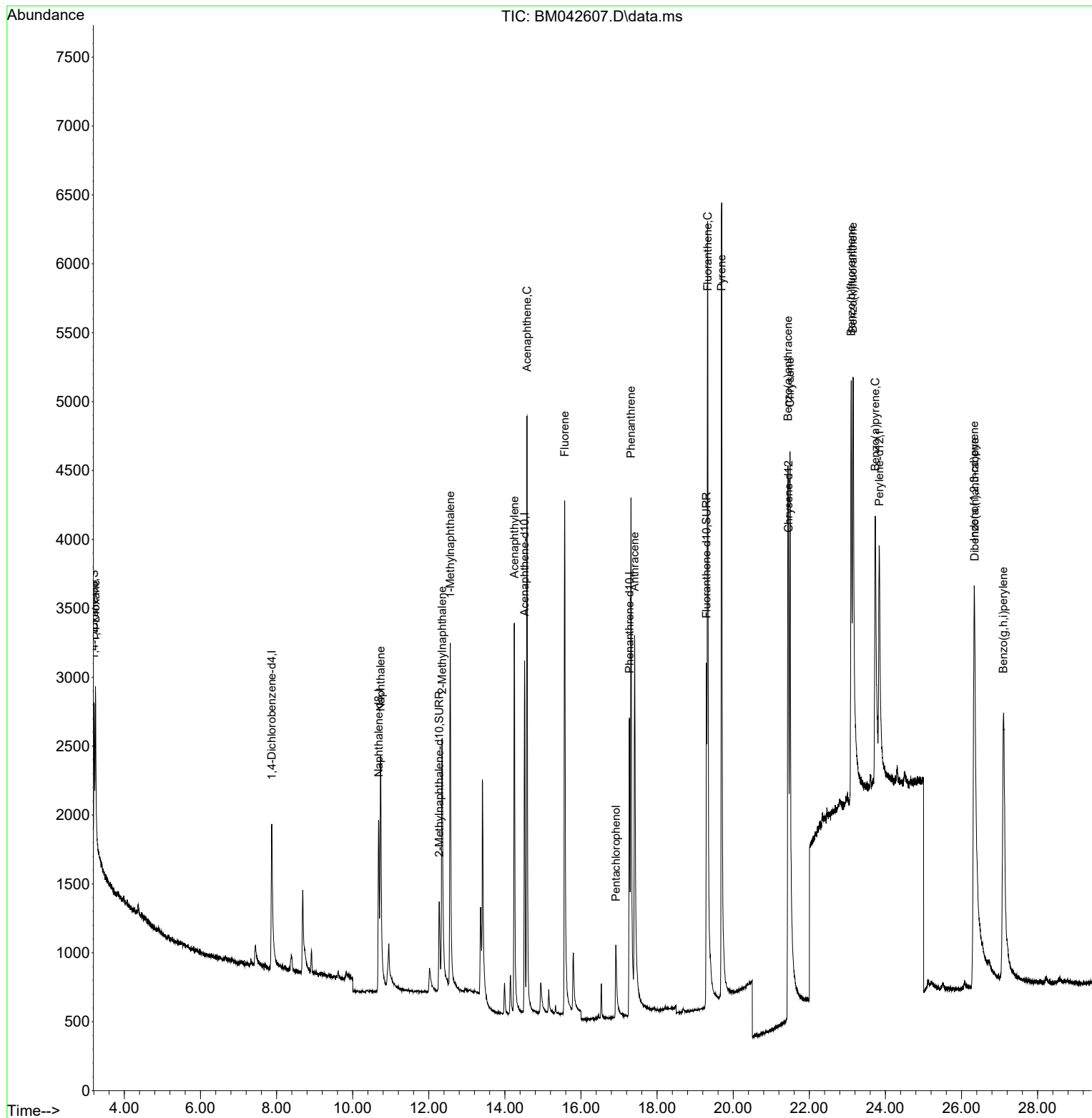
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.874	152	1038	0.400	ng/ul	0.00
4) Naphthalene-d8	10.685	136	2432	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.518	164	1483	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.274	188	3133	0.400	ng/ul	0.00
17) Chrysene-d12	21.454	240	2392	0.400	ng/ul	0.00
23) Perylene-d12	23.839	264	2881	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.208	96	537	0.391	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.275	152	1371	0.404	ng/ul	0.00
18) Fluoranthene-d10	19.296	212	3405	0.411	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.242	88	673	0.413	ng/ul	91
5) Naphthalene	10.735	128	3275	0.417	ng/ul	100
7) 2-Methylnaphthalene	12.352	142	2043	0.406	ng/ul	95
8) 1-Methylnaphthalene	12.566	142	2069	0.405	ng/ul	99
10) Acenaphthylene	14.250	152	4007	0.395	ng/ul	98
11) Acenaphthene	14.583	153	2829	0.411	ng/ul	99
12) Fluorene	15.573	166	3244	0.411	ng/ul	99
14) Pentachlorophenol	16.919	266	603	0.377	ng/ul	97
15) Phenanthrene	17.316	178	4939	0.407	ng/ul	98
16) Anthracene	17.409	178	4436	0.403	ng/ul	99
19) Fluoranthene	19.329	202	6161	0.412	ng/ul	99
20) Pyrene	19.696	202	6758	0.411	ng/ul	99
21) Benzo(a)anthracene	21.439	228	4112	0.386	ng/ul	99
22) Chrysene	21.492	228	4397	0.399	ng/ul	100
24) Benzo(b)fluoranthene	23.102	252	4695	0.403	ng/ul	96
25) Benzo(k)fluoranthene	23.149	252	4952	0.406	ng/ul	98
26) Benzo(a)pyrene	23.734	252	5281	0.438	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.334	276	6678	0.426	ng/ul#	49
28) Dibenzo(a,h)anthracene	26.344	278	4742	0.424	ng/ul	100
29) Benzo(g,h,i)perylene	27.098	276	6308	0.433	ng/ul	97

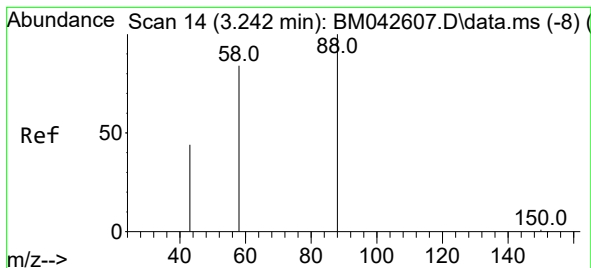
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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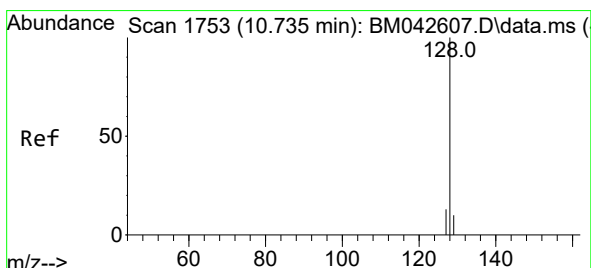
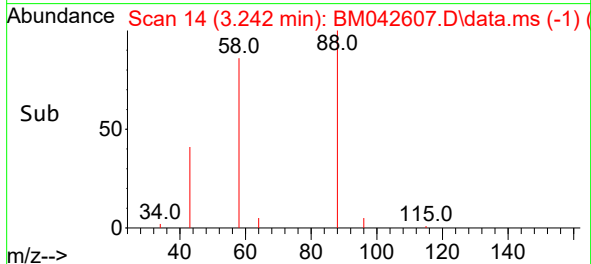
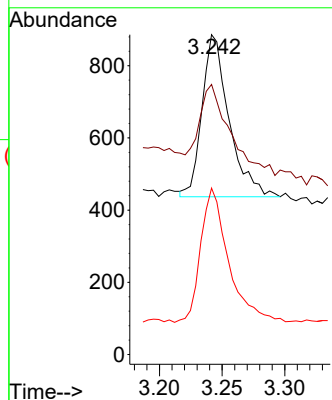
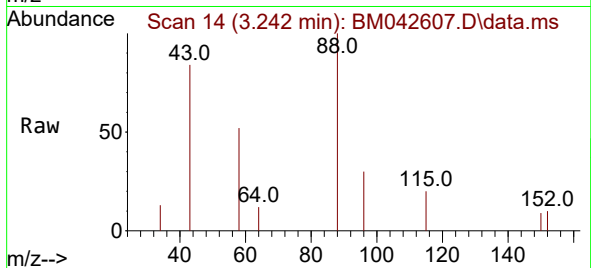




#2
1,4-Dioxane
Concen: 0.413 ng/ul
RT: 3.242 min Scan# 14
Delta R.T. -0.004 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

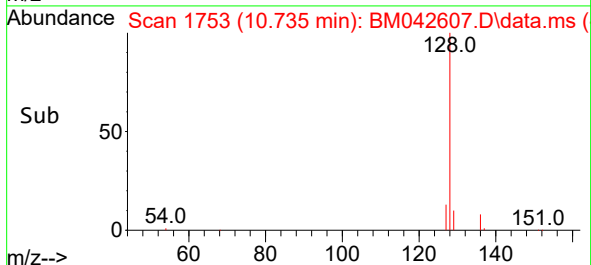
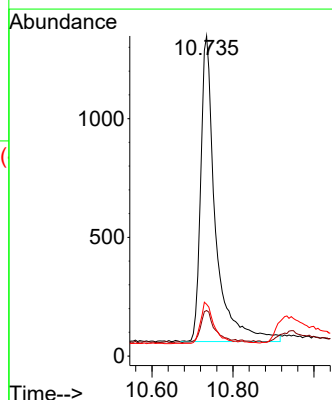
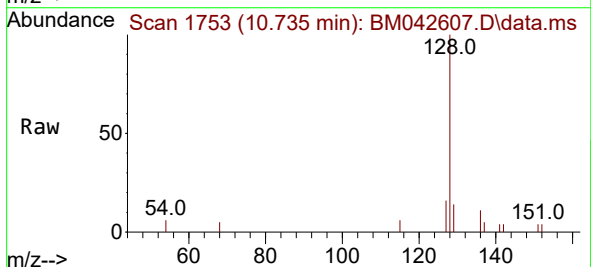
Instrument :
BNA_M
ClientSampleId :
SSTD0.4124

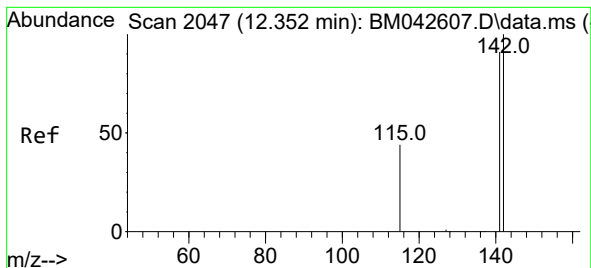
Tgt Ion: 88 Resp: 673
Ion Ratio Lower Upper
88 100
43 84.4 77.5 116.3
58 52.0 40.9 61.3



#5
Naphthalene
Concen: 0.417 ng/ul
RT: 10.735 min Scan# 1753
Delta R.T. -0.000 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

Tgt Ion:128 Resp: 3275
Ion Ratio Lower Upper
128 100
129 14.2 11.3 16.9
127 16.2 13.0 19.4

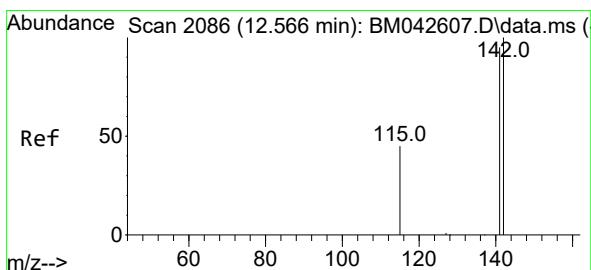
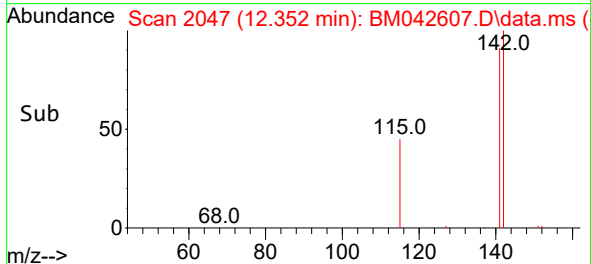
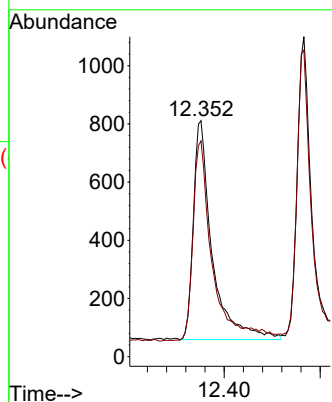
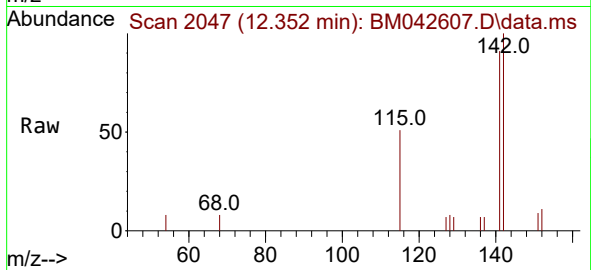




#7
2-Methylnaphthalene
Concen: 0.406 ng/ul
RT: 12.352 min Scan# 2047
Delta R.T. 0.005 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

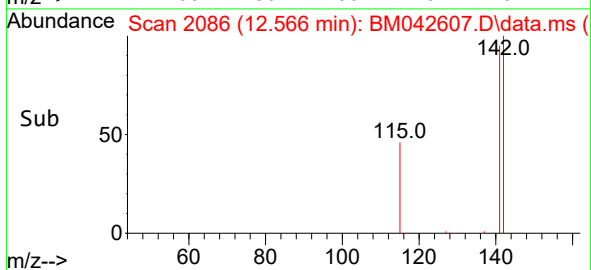
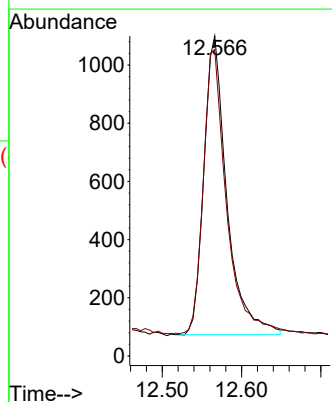
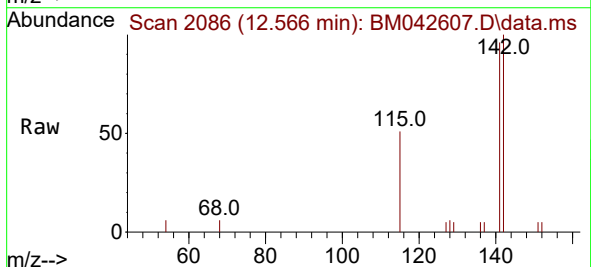
Instrument :
BNA_M
ClientSampleId :
SSTD0.4124

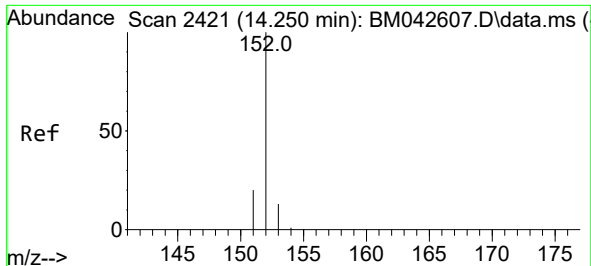
Tgt Ion:142 Resp: 2043
Ion Ratio Lower Upper
142 100
141 94.8 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.405 ng/ul
RT: 12.566 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

Tgt Ion:142 Resp: 2069
Ion Ratio Lower Upper
142 100
141 95.0 75.4 113.2

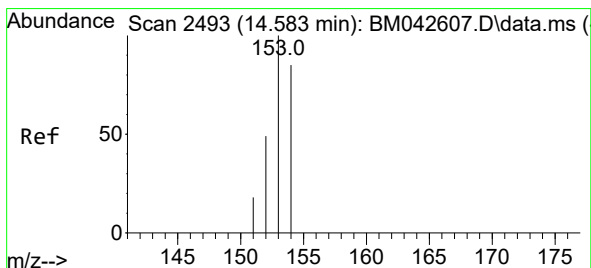
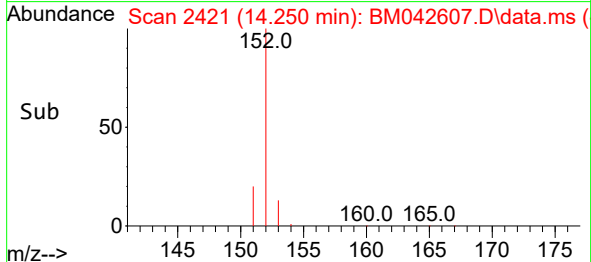
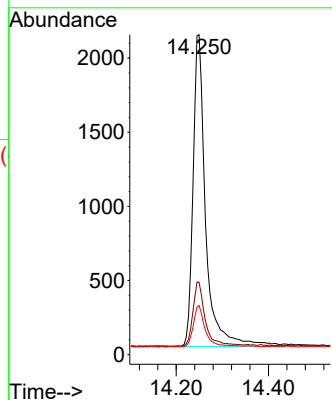
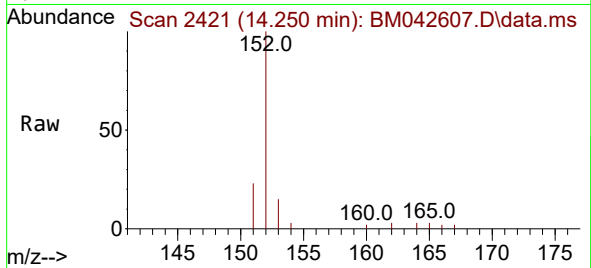




#10
Acenaphthylene
Concen: 0.395 ng/ul
RT: 14.250 min Scan# 2421
Delta R.T. 0.004 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

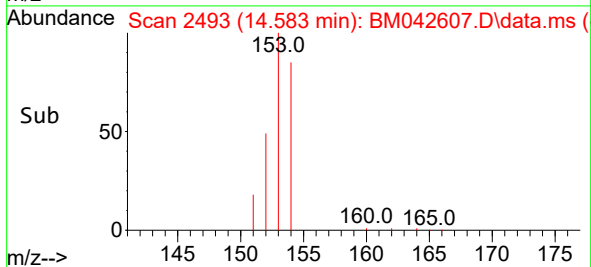
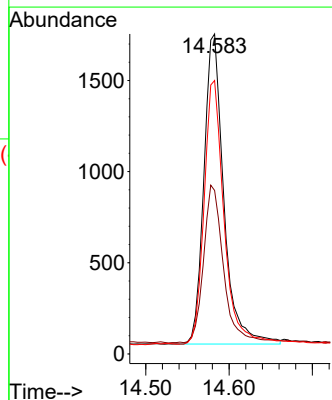
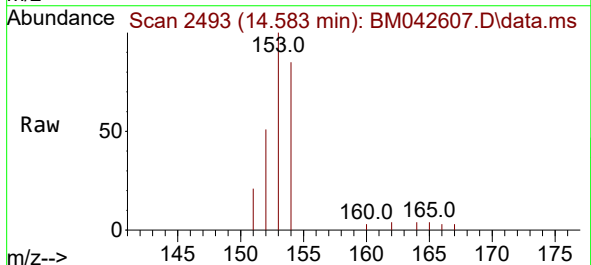
Instrument :
BNA_M
ClientSampleId :
SSTD0.4124

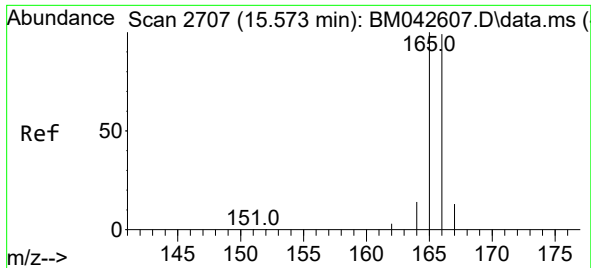
Tgt Ion:152 Resp: 4007
Ion Ratio Lower Upper
152 100
151 22.7 17.2 25.8
153 15.3 11.8 17.8



#11
Acenaphthene
Concen: 0.411 ng/ul
RT: 14.583 min Scan# 2493
Delta R.T. 0.004 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

Tgt Ion:153 Resp: 2829
Ion Ratio Lower Upper
153 100
152 51.1 41.8 62.6
154 85.5 69.2 103.8

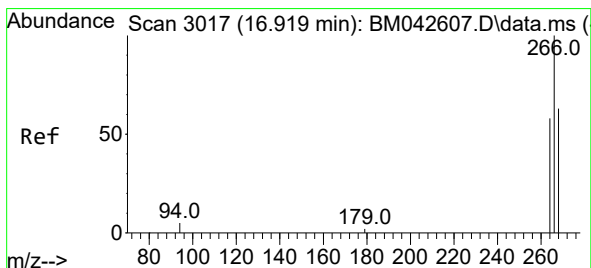
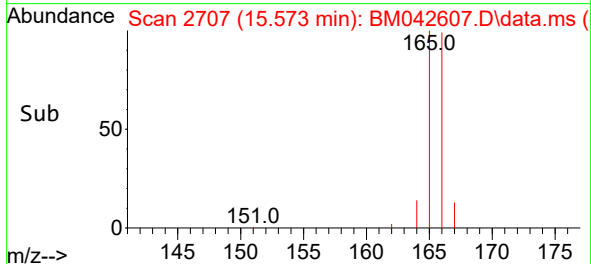
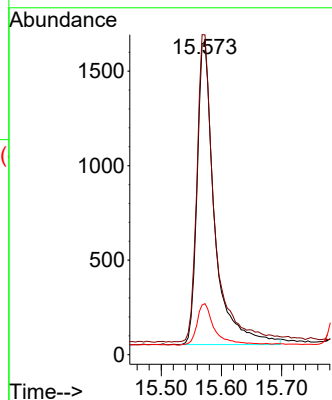
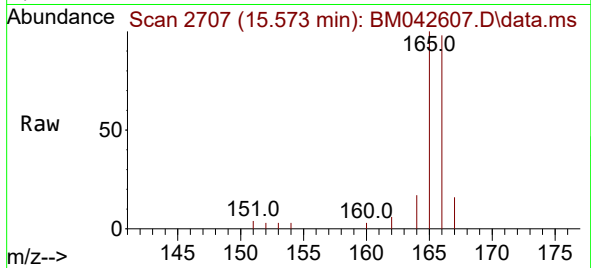




#12
 Fluorene
 Concen: 0.411 ng/ul
 RT: 15.573 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BM042607.D
 Acq: 07 Nov 2023 08:50

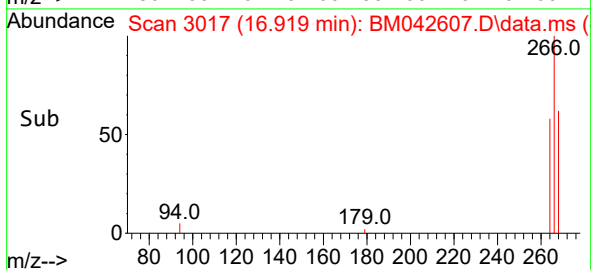
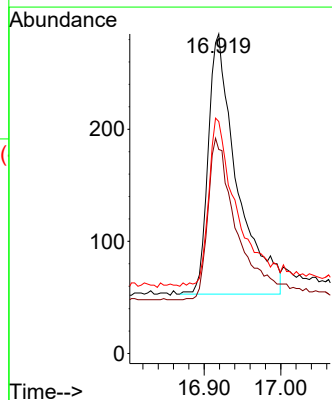
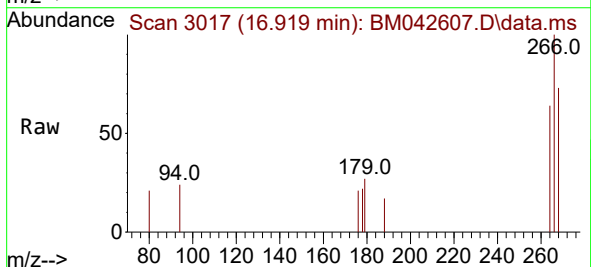
Instrument :
 BNA_M
 ClientSampleId :
 SST0.4124

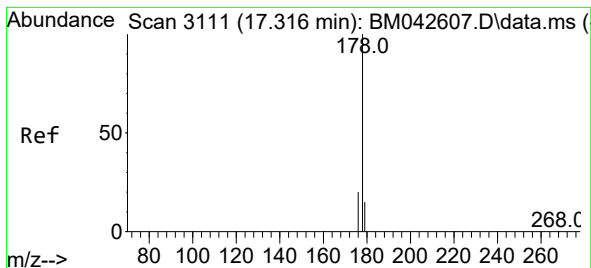
Tgt Ion:	166	Resp:	3244
Ion	Ratio	Lower	Upper
166	100		
165	102.3	81.2	121.8
167	16.3	11.9	17.9



#14
 Pentachlorophenol
 Concen: 0.377 ng/ul
 RT: 16.919 min Scan# 3017
 Delta R.T. 0.008 min
 Lab File: BM042607.D
 Acq: 07 Nov 2023 08:50

Tgt Ion:	266	Resp:	603
Ion	Ratio	Lower	Upper
266	100		
264	61.7	50.4	75.6
268	64.3	54.8	82.2





#15

Phenanthrene

Concen: 0.407 ng/ul

RT: 17.316 min Scan# 3111

Delta R.T. 0.004 min

Lab File: BM042607.D

Acq: 07 Nov 2023 08:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.4124

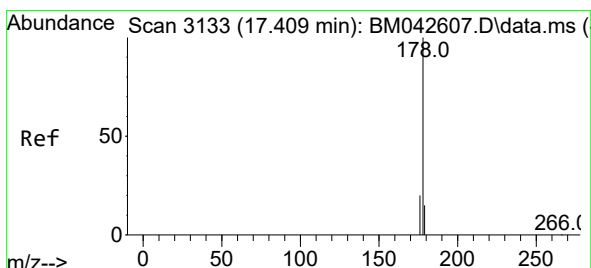
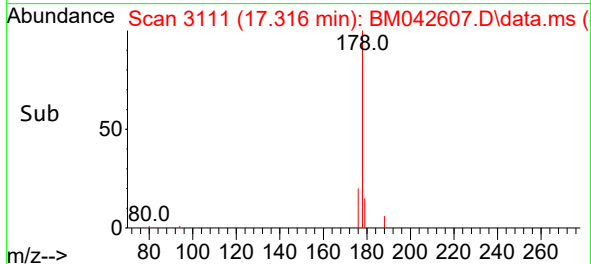
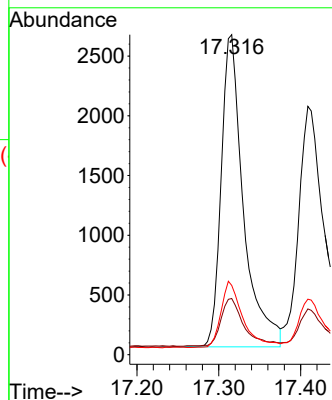
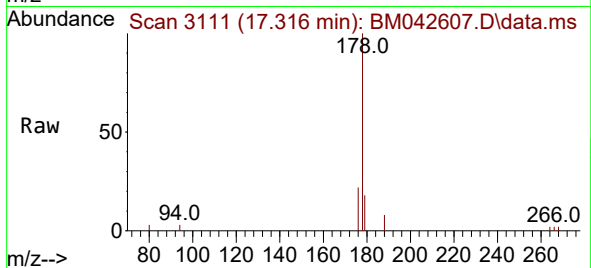
Tgt Ion:178 Resp: 4939

Ion Ratio Lower Upper

178 100

179 17.6 13.7 20.5

176 21.6 18.2 27.2



#16

Anthracene

Concen: 0.403 ng/ul

RT: 17.409 min Scan# 3133

Delta R.T. -0.000 min

Lab File: BM042607.D

Acq: 07 Nov 2023 08:50

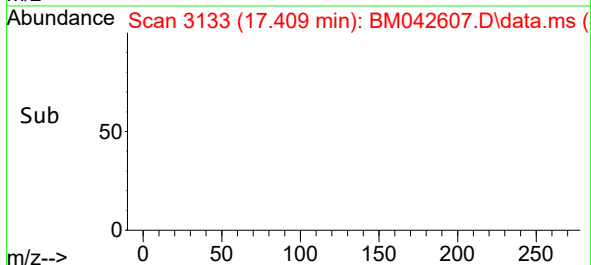
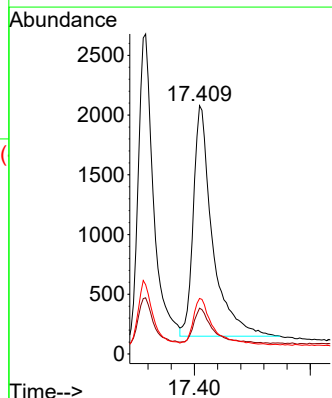
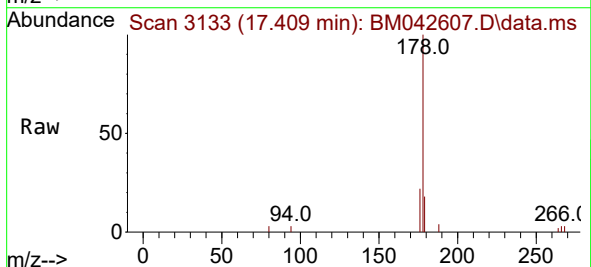
Tgt Ion:178 Resp: 4436

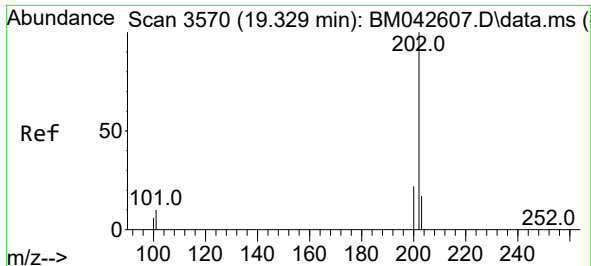
Ion Ratio Lower Upper

178 100

179 18.5 14.2 21.4

176 22.4 17.6 26.4

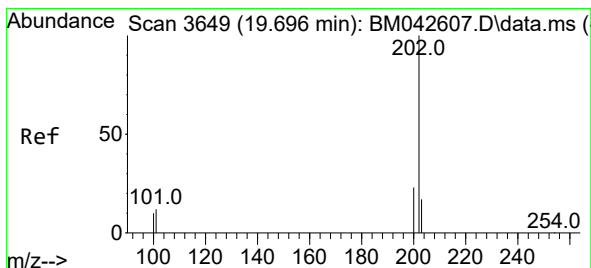
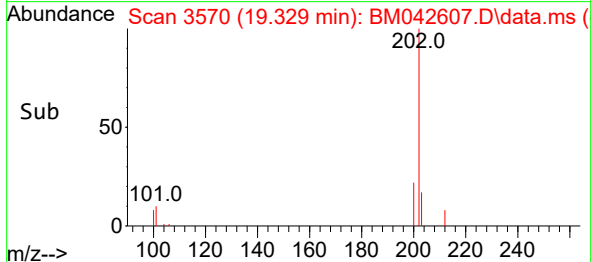
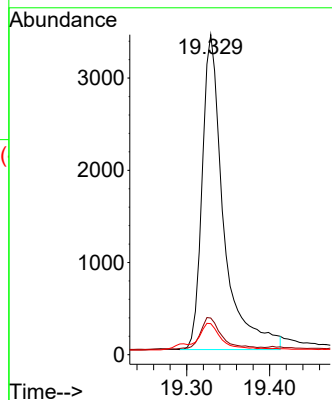
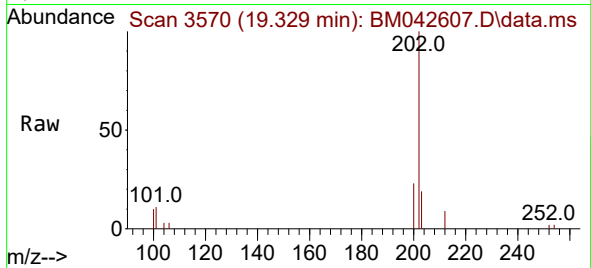




#19
Fluoranthene
Concen: 0.412 ng/ul
RT: 19.329 min Scan# 3570
Delta R.T. -0.000 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

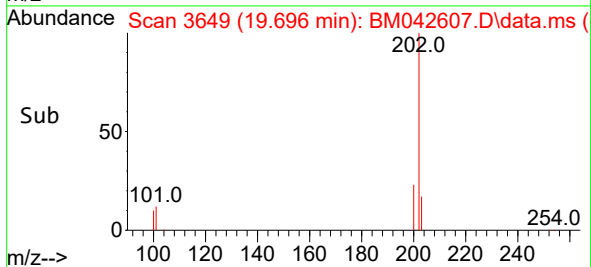
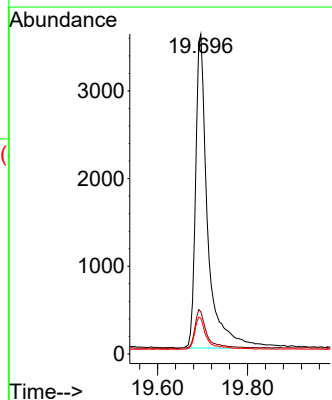
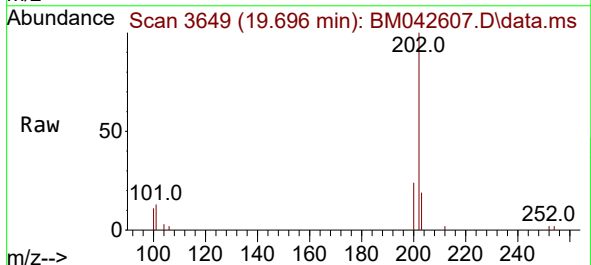
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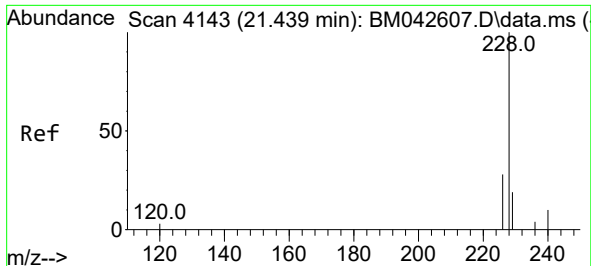
Tgt Ion:202 Resp: 6161
Ion Ratio Lower Upper
202 100
101 11.5 9.0 13.6
100 9.7 7.3 10.9



#20
Pyrene
Concen: 0.411 ng/ul
RT: 19.696 min Scan# 3649
Delta R.T. -0.000 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

Tgt Ion:202 Resp: 6758
Ion Ratio Lower Upper
202 100
101 13.2 10.6 16.0
100 11.2 8.6 13.0

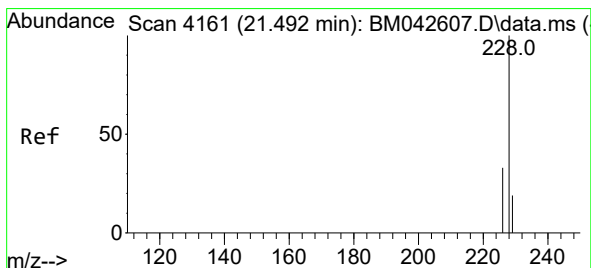
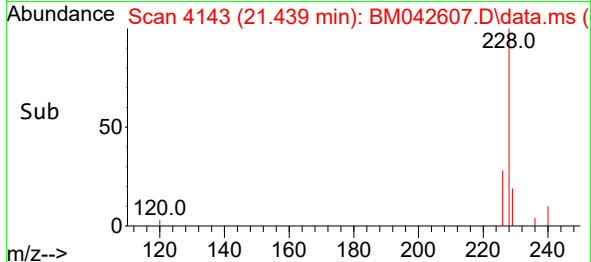
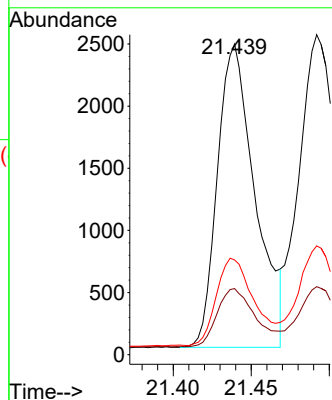
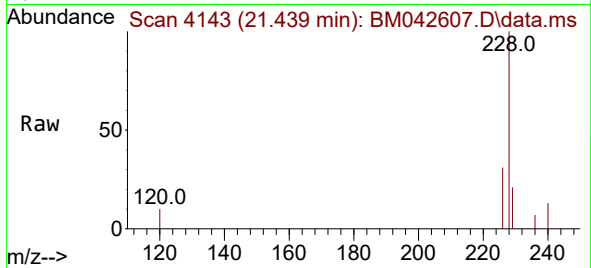




#21
Benzo(a)anthracene
Concen: 0.386 ng/ul
RT: 21.439 min Scan# 4143
Delta R.T. 0.003 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

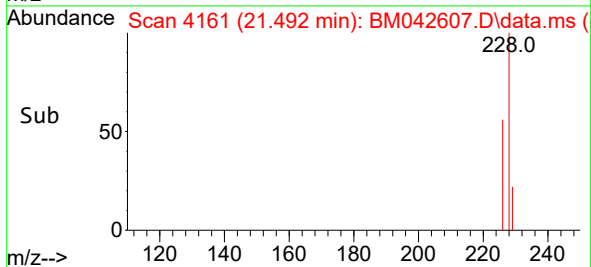
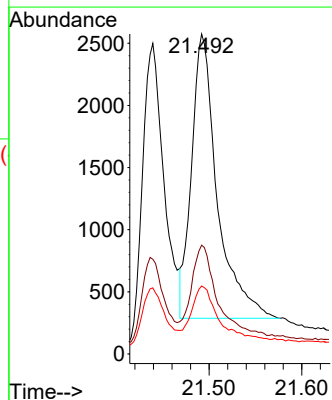
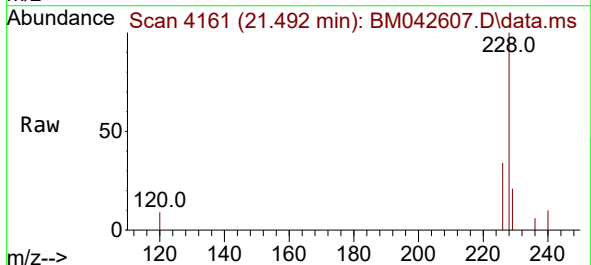
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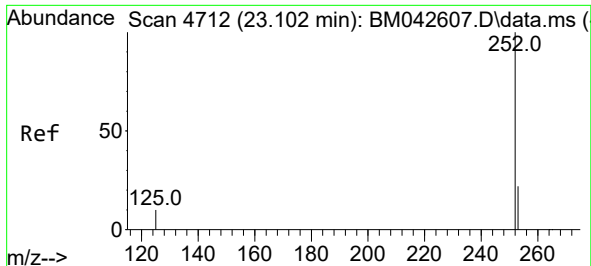
Tgt Ion:228	Resp:	4112
Ion Ratio	Lower	Upper
228	100	
229	21.3	17.0 25.4
226	30.5	25.2 37.8



#22
Chrysene
Concen: 0.399 ng/ul
RT: 21.492 min Scan# 4161
Delta R.T. -0.000 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

Tgt Ion:228	Resp:	4397
Ion Ratio	Lower	Upper
228	100	
226	34.0	27.4 41.0
229	21.3	17.0 25.6

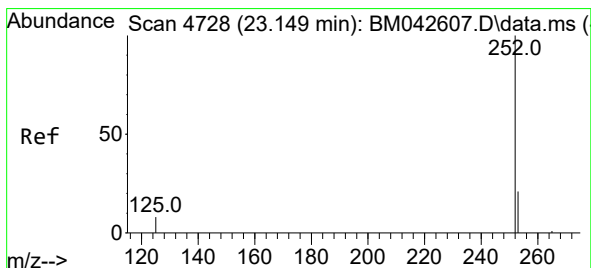
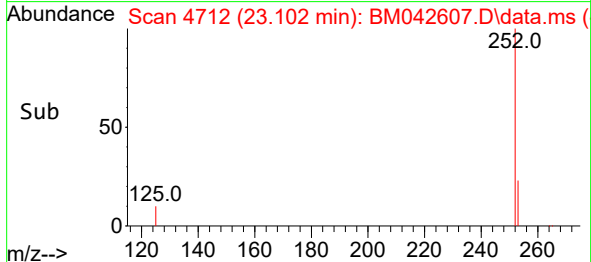
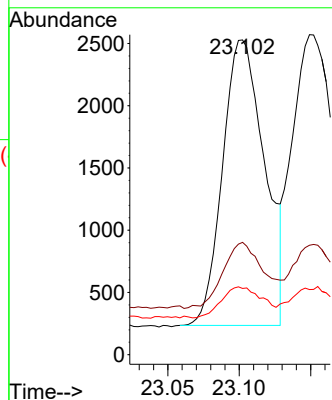
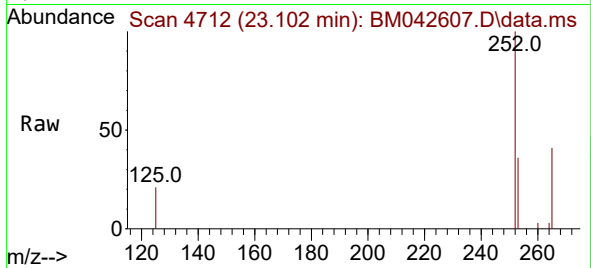




#24
Benzo(b)fluoranthene
Concen: 0.403 ng/ul
RT: 23.102 min Scan# 4712
Delta R.T. 0.003 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

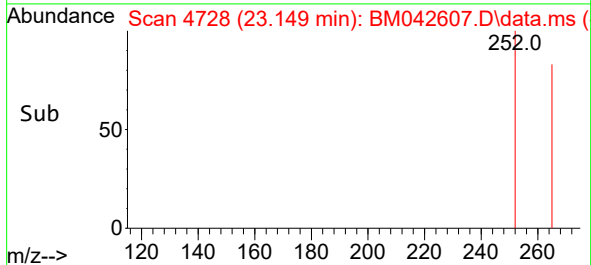
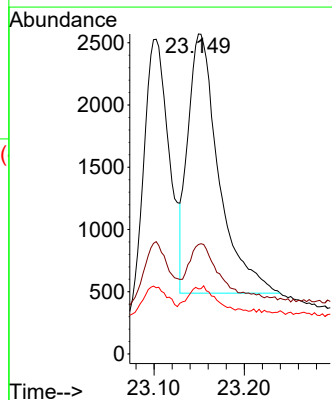
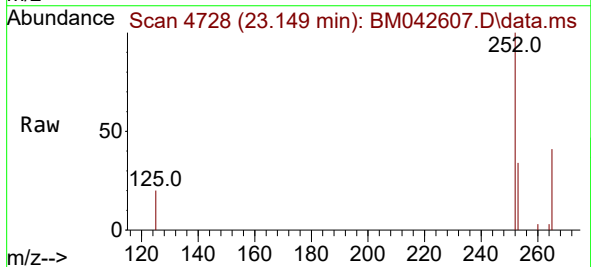
Instrument :
BNA_M
ClientSampleId :
SSTD0.4124

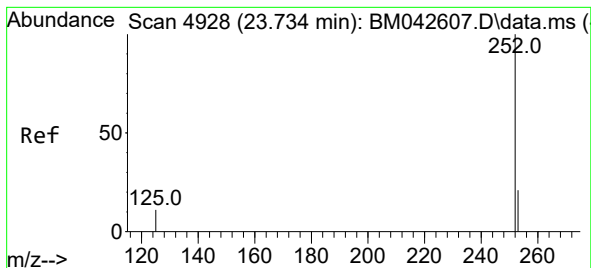
Tgt Ion:252 Resp: 4695
Ion Ratio Lower Upper
252 100
253 35.7 0.0 65.8
125 21.0 0.0 43.6



#25
Benzo(k)fluoranthene
Concen: 0.406 ng/ul
RT: 23.149 min Scan# 4728
Delta R.T. -0.000 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

Tgt Ion:252 Resp: 4952
Ion Ratio Lower Upper
252 100
253 34.2 27.0 40.6
125 20.3 17.5 26.3





#26

Benzo(a)pyrene

Concen: 0.438 ng/ul

RT: 23.734 min Scan# 4928

Delta R.T. -0.000 min

Lab File: BM042607.D

Acq: 07 Nov 2023 08:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.4124

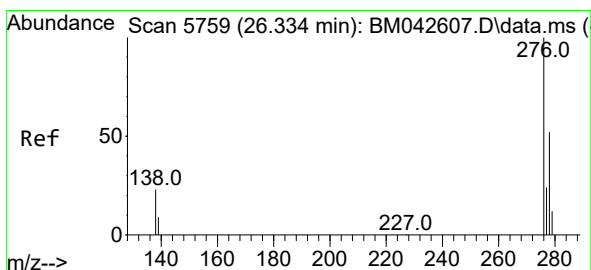
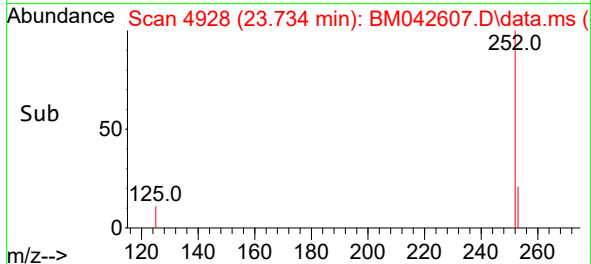
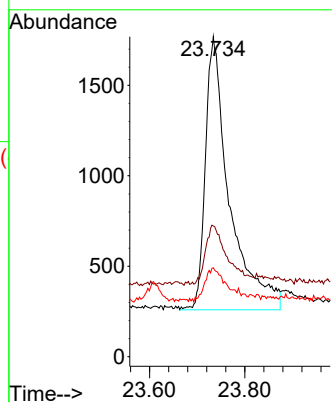
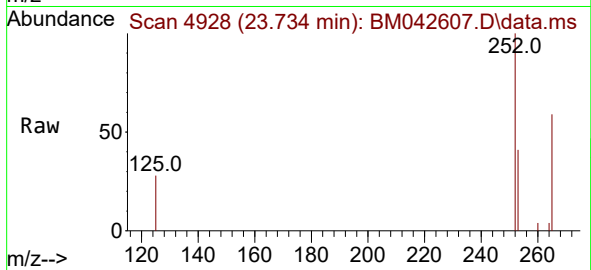
Tgt Ion:252 Resp: 5281

Ion Ratio Lower Upper

252 100

253 40.9 31.7 47.5

125 27.8 22.1 33.1



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.426 ng/ul

RT: 26.334 min Scan# 5759

Delta R.T. 0.006 min

Lab File: BM042607.D

Acq: 07 Nov 2023 08:50

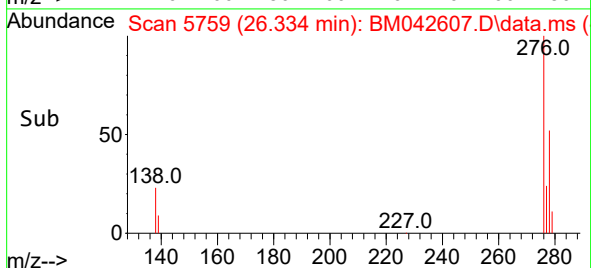
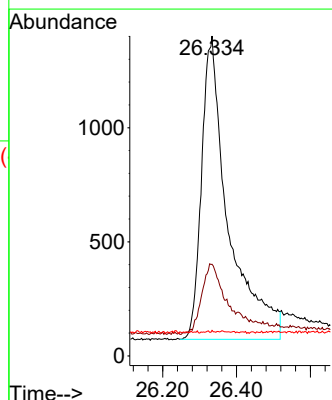
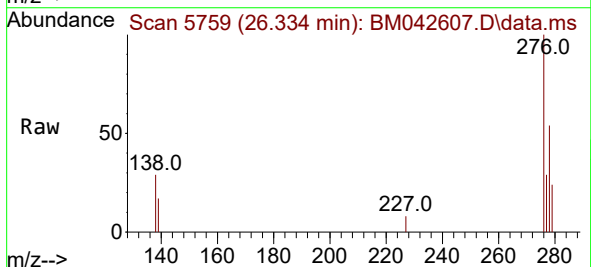
Tgt Ion:276 Resp: 6678

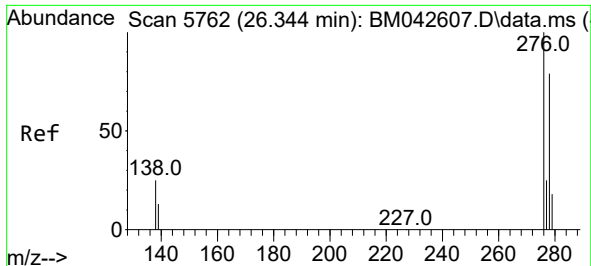
Ion Ratio Lower Upper

276 100

138 0.0 20.7 31.1#

227 0.1 0.1 0.1#

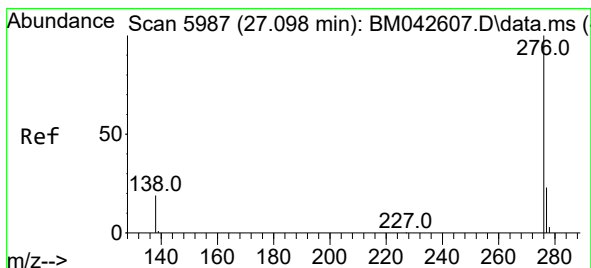
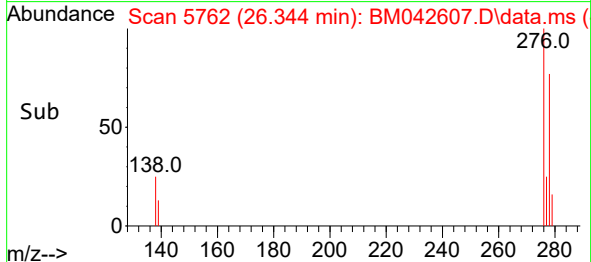
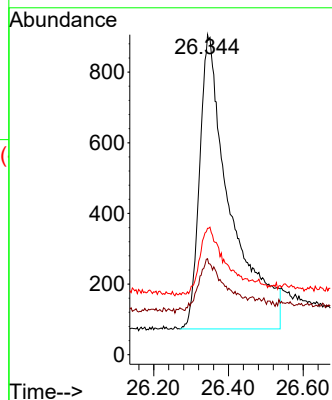
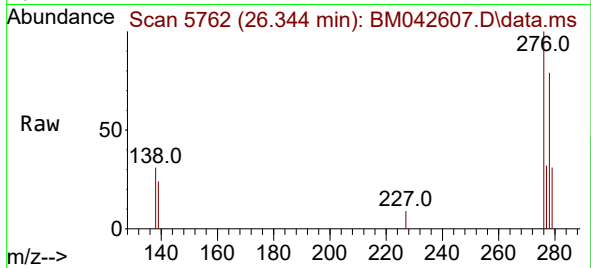




#28
Dibenzo(a,h)anthracene
Concen: 0.424 ng/ul
RT: 26.344 min Scan# 51
Delta R.T. -0.004 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

Instrument :
BNA_M
ClientSampleId :
SSTD0.4124

Tgt Ion:278 Resp: 4742
Ion Ratio Lower Upper
278 100
139 30.0 24.3 36.5
279 39.5 31.5 47.3



#29
Benzo(g,h,i)perylene
Concen: 0.433 ng/ul
RT: 27.098 min Scan# 5987
Delta R.T. -0.007 min
Lab File: BM042607.D
Acq: 07 Nov 2023 08:50

Tgt Ion:276 Resp: 6308
Ion Ratio Lower Upper
276 100
138 25.7 22.3 33.5
277 29.0 23.6 35.4

