

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
 Data File : BM043231.D
 Acq On : 11 Dec 2023 18:23
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4151

Quant Time: Dec 11 23:04:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 16:25:39 2023
 Response via : Initial Calibration

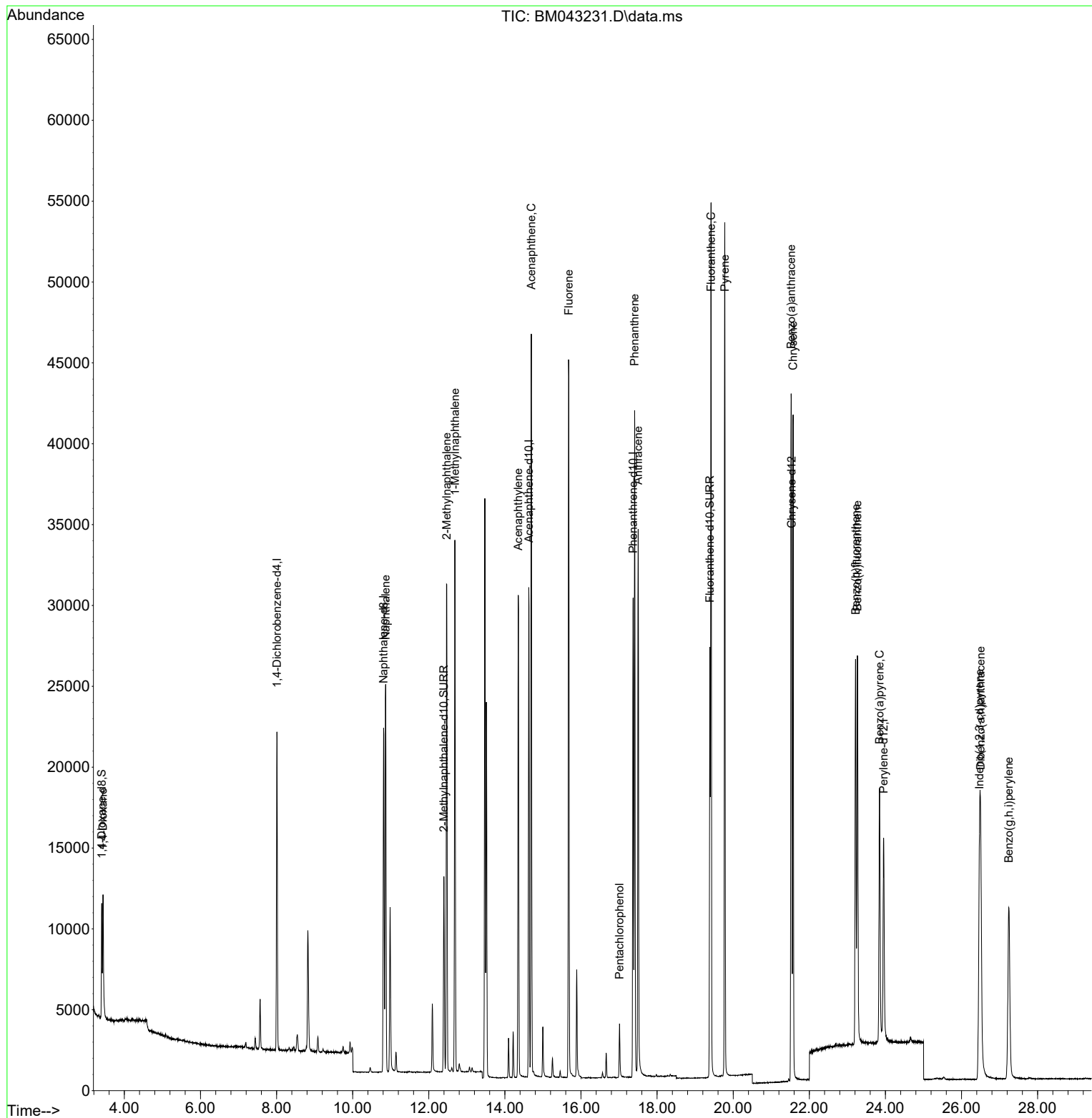
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.009	152	9882	0.400	ng/ul	0.00
4) Naphthalene-d8	10.812	136	28667	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.629	164	16267	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.371	188	34234	0.400	ng/ul	0.00
17) Chrysene-d12	21.536	240	20361	0.400	ng/ul	0.00
23) Perylene-d12	23.953	264	18597	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.406	96	4890	0.392	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.396	152	15788	0.389	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	28094	0.386	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.439	88	5024	0.401	ng/ul	97
5) Naphthalene	10.867	128	33761	0.392	ng/ul	100
7) 2-Methylnaphthalene	12.473	142	21641	0.389	ng/ul	100
8) 1-Methylnaphthalene	12.687	142	21836	0.391	ng/ul	100
10) Acenaphthylene	14.351	152	34392	0.384	ng/ul	100
11) Acenaphthene	14.694	153	25410	0.390	ng/ul	99
12) Fluorene	15.674	166	28628	0.388	ng/ul	100
14) Pentachlorophenol	17.012	266	2450	0.323	ng/ul	99
15) Phenanthrene	17.409	178	44577	0.390	ng/ul	100
16) Anthracene	17.502	178	40029	0.386	ng/ul	100
19) Fluoranthene	19.417	202	44166	0.385	ng/ul	98
20) Pyrene	19.780	202	43777	0.384	ng/ul	98
21) Benzo(a)anthracene	21.521	228	33771	0.378	ng/ul	100
22) Chrysene	21.574	228	36328	0.385	ng/ul	99
24) Benzo(b)fluoranthene	23.216	252	31827	0.377	ng/ul	99
25) Benzo(k)fluoranthene	23.263	252	33973	0.388	ng/ul	98
26) Benzo(a)pyrene	23.845	252	26403	0.379	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.471	276	30061	0.379	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.501	278	23880	0.380	ng/ul	100
29) Benzo(g,h,i)perylene	27.243	276	25552	0.378	ng/ul	99

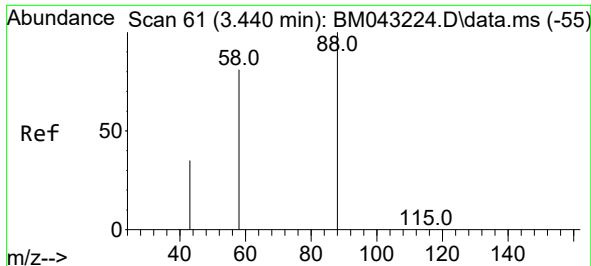
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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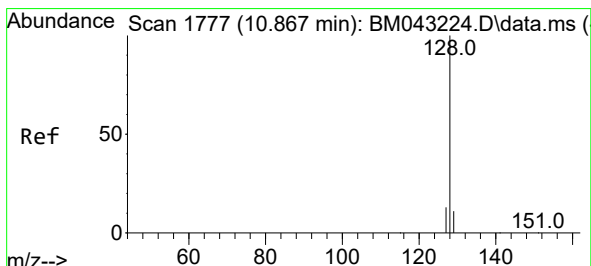
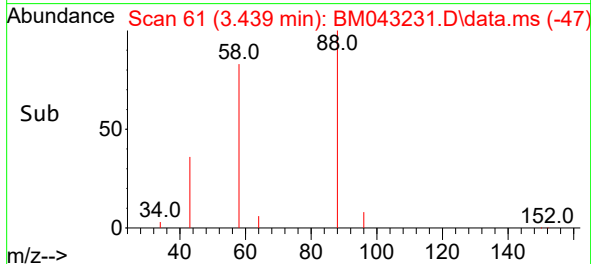
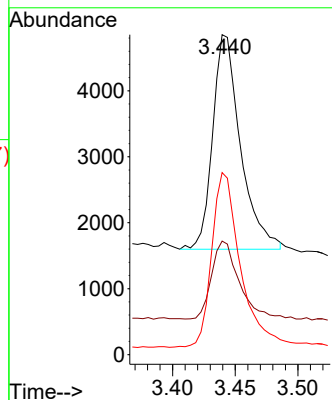
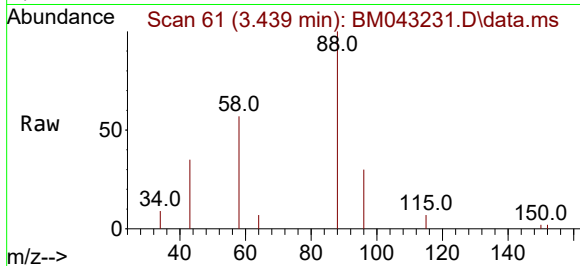




#2
1,4-Dioxane
Concen: 0.401 ng/ul
RT: 3.439 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

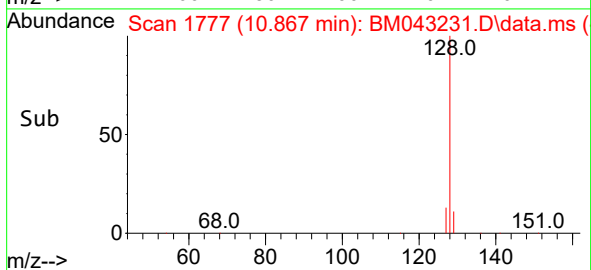
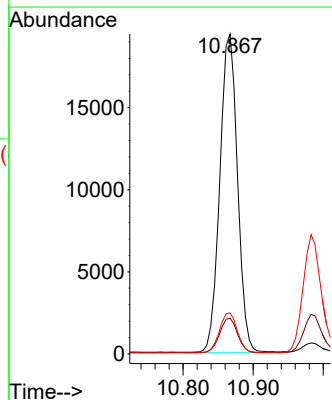
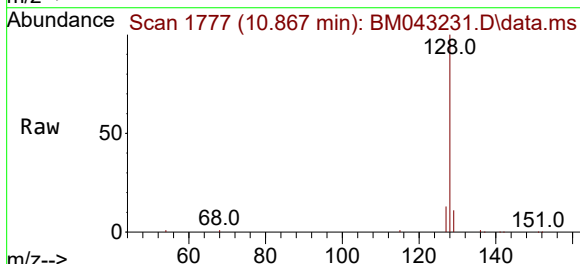
Instrument :
BNA_M
ClientSampleId :
SSTD0.4151

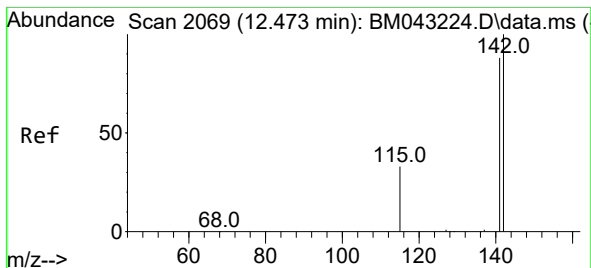
Tgt Ion: 88 Resp: 5024
Ion Ratio Lower Upper
88 100
43 35.5 27.9 41.9
58 56.9 43.4 65.2



#5
Naphthalene
Concen: 0.392 ng/ul
RT: 10.867 min Scan# 1777
Delta R.T. -0.000 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

Tgt Ion: 128 Resp: 33761
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 12.8 10.3 15.5

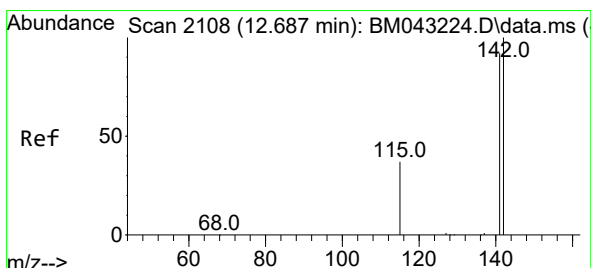
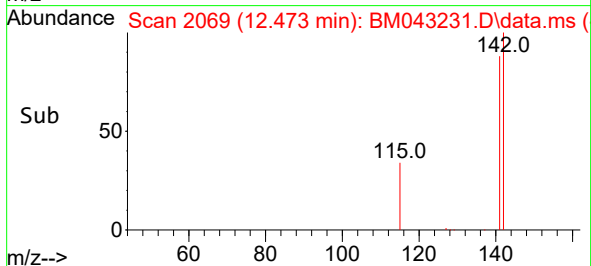
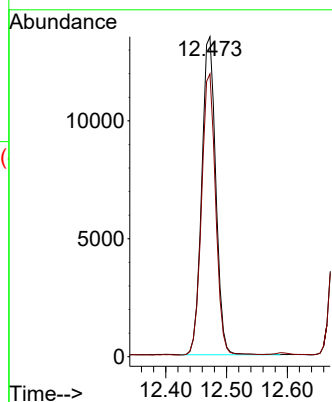
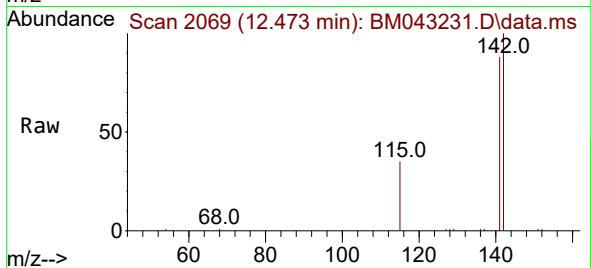




#7
2-Methylnaphthalene
Concen: 0.389 ng/ul
RT: 12.473 min Scan# 2069
Delta R.T. -0.000 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

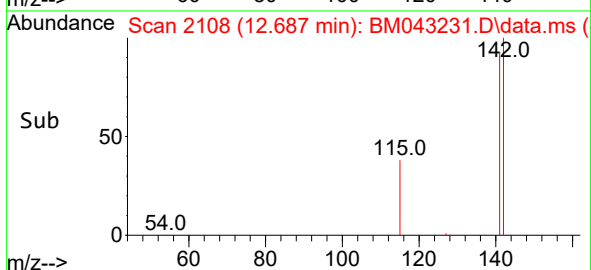
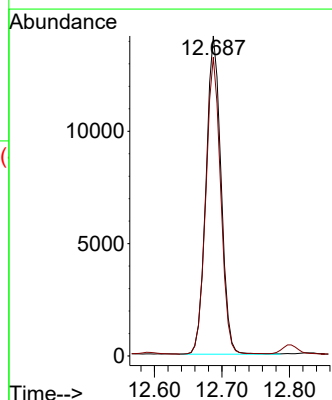
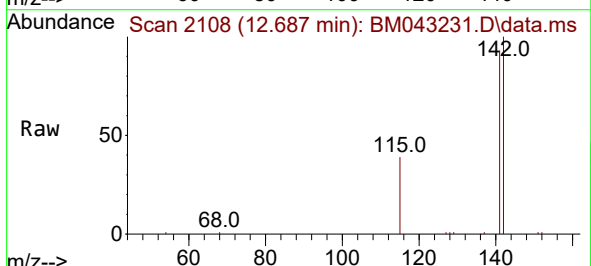
Instrument :
BNA_M
ClientSampleId :
SSTD0.4151

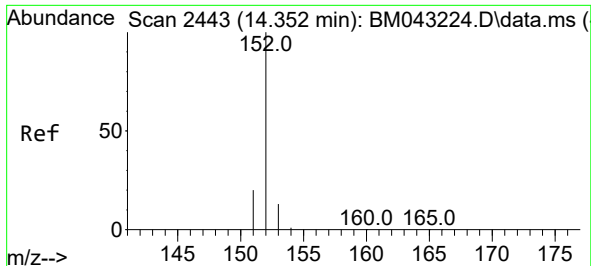
Tgt Ion:142 Resp: 21641
Ion Ratio Lower Upper
142 100
141 88.7 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.391 ng/ul
RT: 12.687 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

Tgt Ion:142 Resp: 21836
Ion Ratio Lower Upper
142 100
141 92.1 73.7 110.5

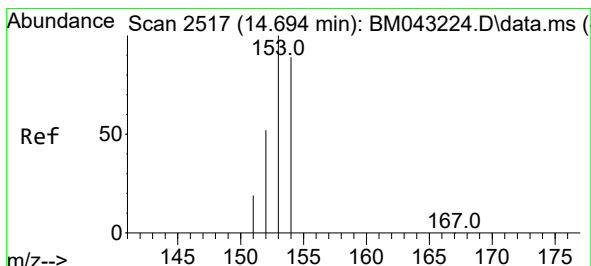
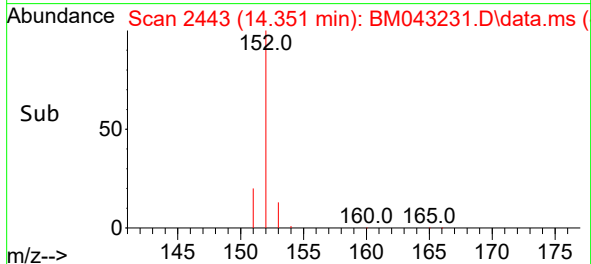
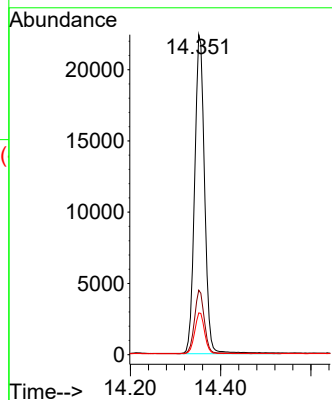
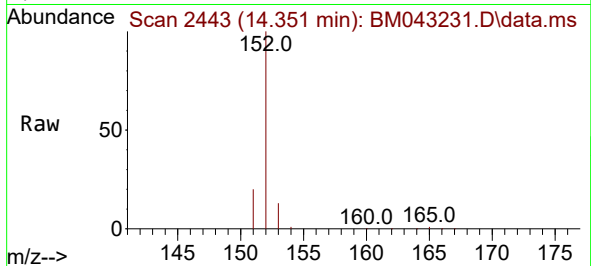




#10
Acenaphthylene
Concen: 0.384 ng/ul
RT: 14.351 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

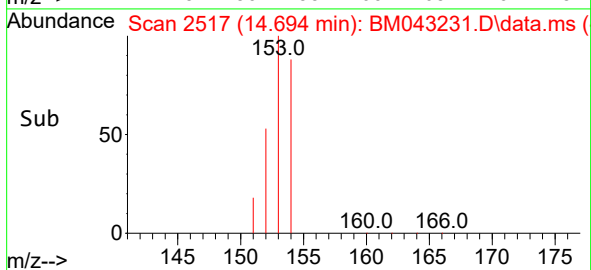
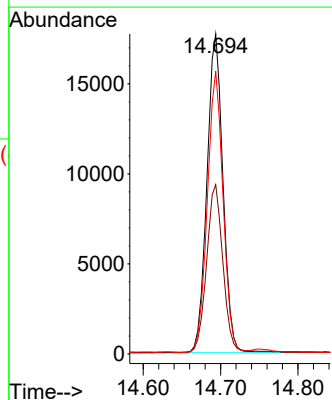
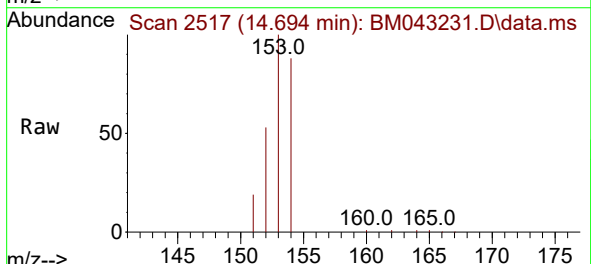
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ClientSampleId :
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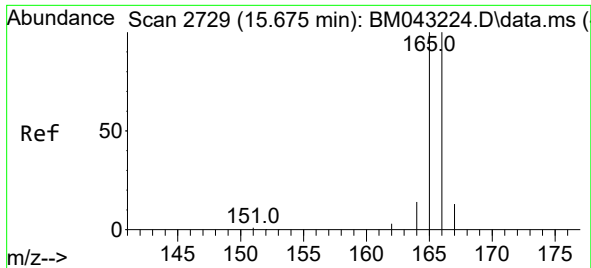
Tgt Ion:152 Resp: 34392
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.1 10.4 15.6



#11
Acenaphthene
Concen: 0.390 ng/ul
RT: 14.694 min Scan# 2517
Delta R.T. -0.000 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

Tgt Ion:153 Resp: 25410
Ion Ratio Lower Upper
153 100
152 52.9 42.1 63.1
154 88.4 71.3 106.9

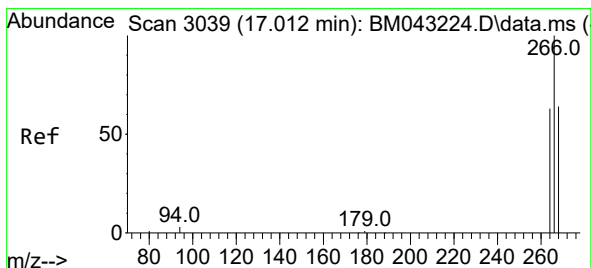
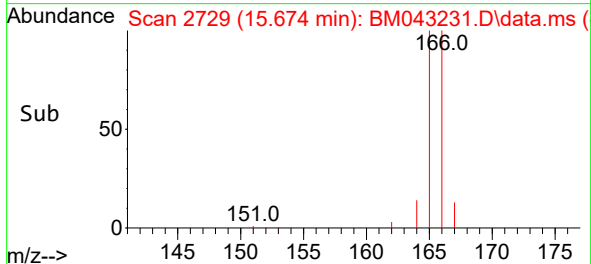
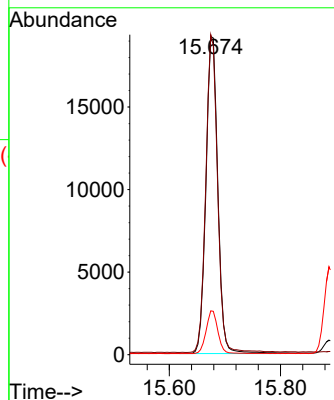
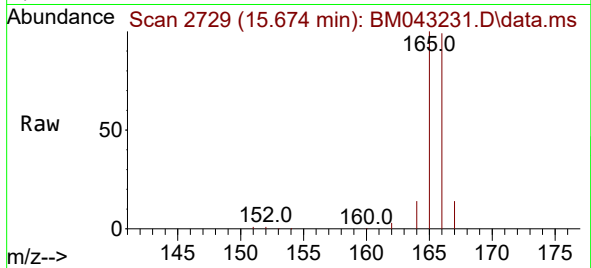




#12
 Fluorene
 Concen: 0.388 ng/ul
 RT: 15.674 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM043231.D
 Acq: 11 Dec 2023 18:23

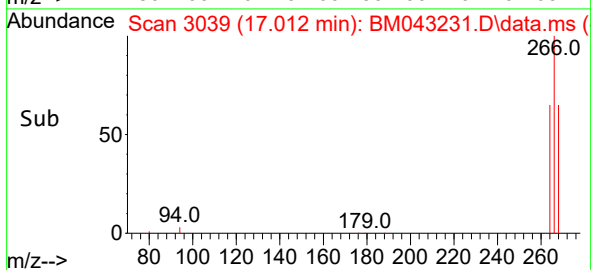
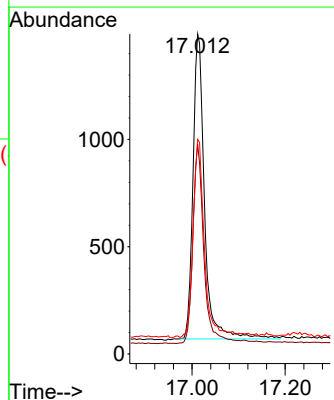
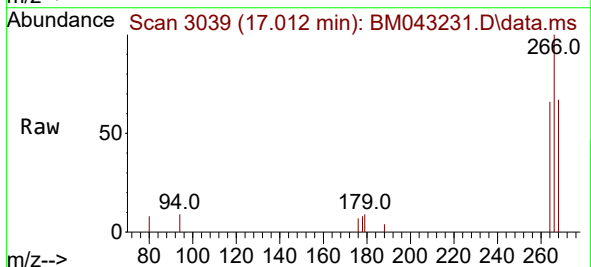
Instrument :
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 ClientSampleId :
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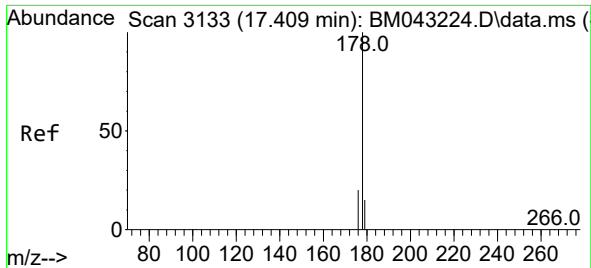
Tgt Ion:166 Resp: 28628
 Ion Ratio Lower Upper
 166 100
 165 100.5 80.3 120.5
 167 13.8 10.8 16.2



#14
 Pentachlorophenol
 Concen: 0.323 ng/ul
 RT: 17.012 min Scan# 3039
 Delta R.T. -0.000 min
 Lab File: BM043231.D
 Acq: 11 Dec 2023 18:23

Tgt Ion:266 Resp: 2450
 Ion Ratio Lower Upper
 266 100
 264 64.4 51.7 77.5
 268 63.1 51.9 77.9

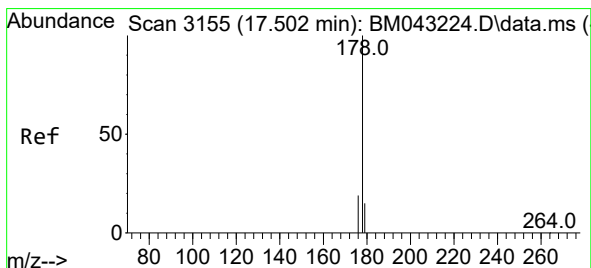
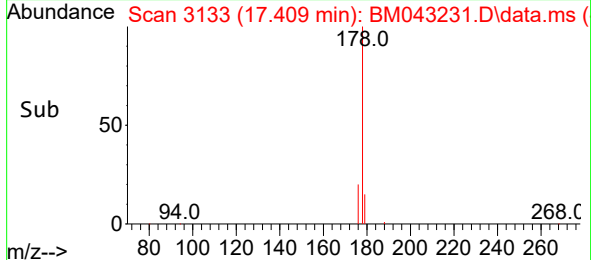
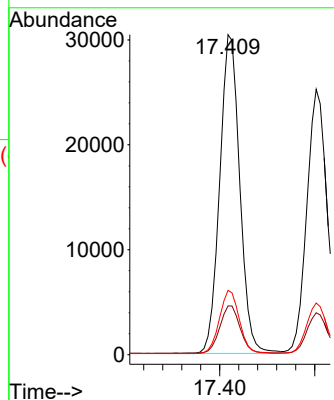
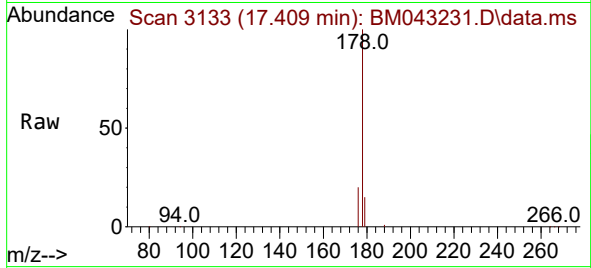




#15
Phenanthrene
Concen: 0.390 ng/ul
RT: 17.409 min Scan# 3133
Delta R.T. -0.000 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

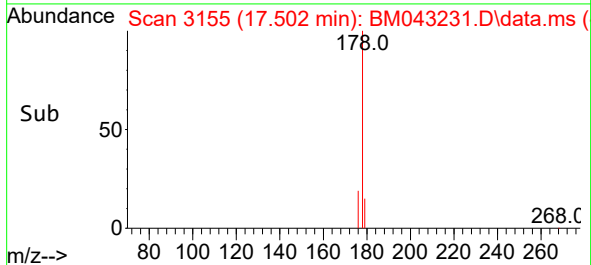
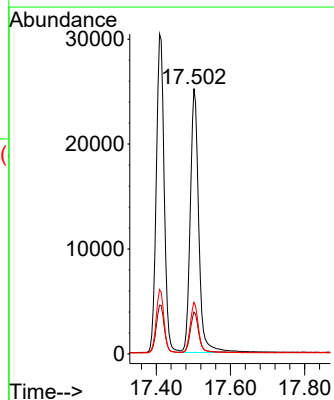
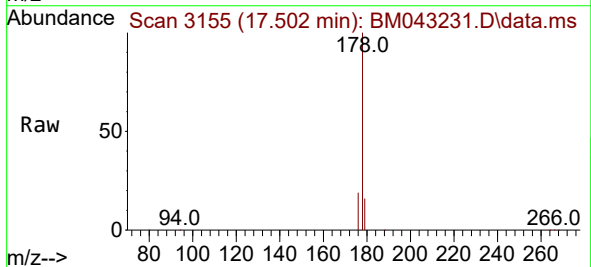
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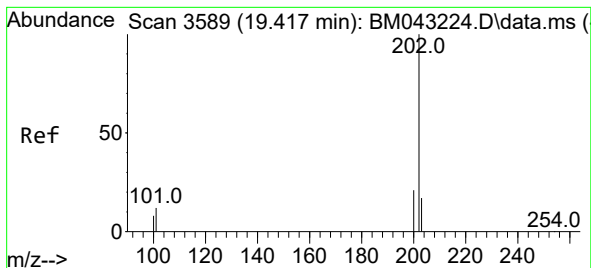
Tgt Ion:178 Resp: 44577
Ion Ratio Lower Upper
178 100
179 15.3 12.4 18.6
176 20.1 16.2 24.2



#16
Anthracene
Concen: 0.386 ng/ul
RT: 17.502 min Scan# 3155
Delta R.T. -0.000 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

Tgt Ion:178 Resp: 40029
Ion Ratio Lower Upper
178 100
179 15.8 12.6 18.8
176 19.5 15.6 23.4





#19

Fluoranthene

Concen: 0.385 ng/ul

RT: 19.417 min Scan# 3589

Delta R.T. -0.000 min

Lab File: BM043231.D

Acq: 11 Dec 2023 18:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.4151

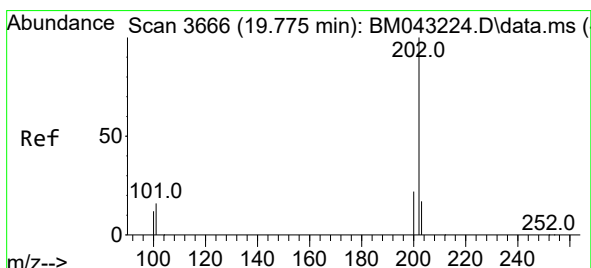
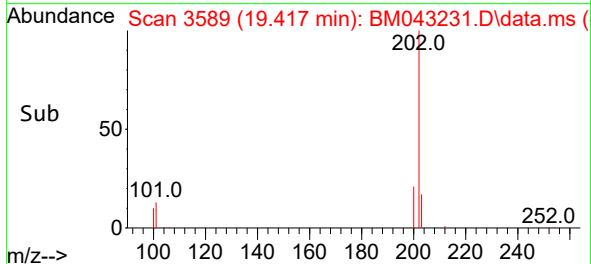
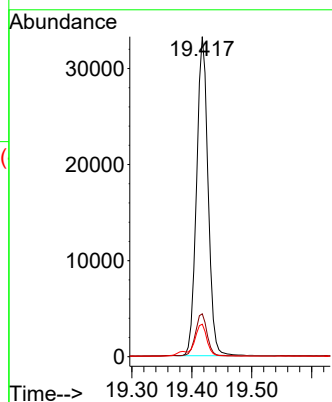
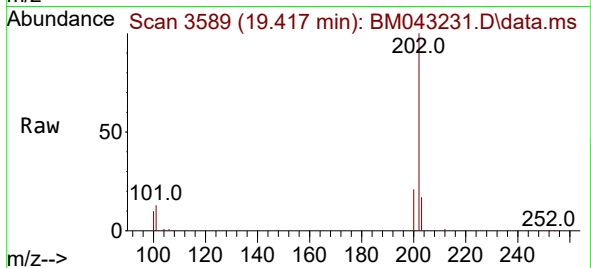
Tgt Ion:202 Resp: 44166

Ion Ratio Lower Upper

202 100

101 13.4 10.1 15.1

100 10.2 7.4 11.2



#20

Pyrene

Concen: 0.384 ng/ul

RT: 19.780 min Scan# 3667

Delta R.T. 0.005 min

Lab File: BM043231.D

Acq: 11 Dec 2023 18:23

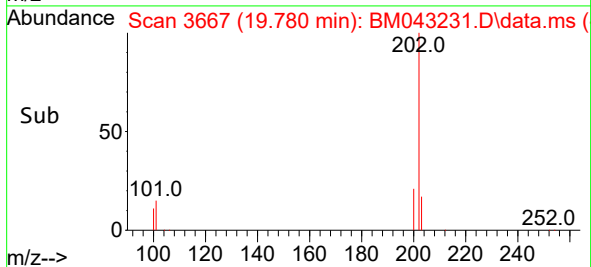
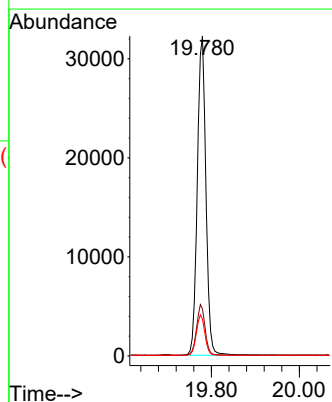
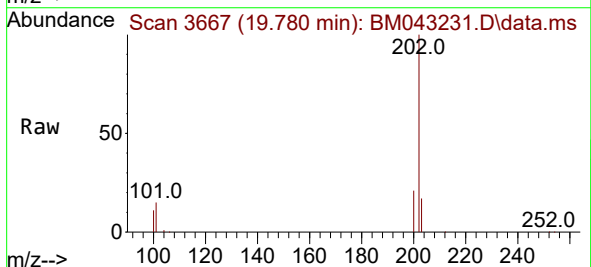
Tgt Ion:202 Resp: 43777

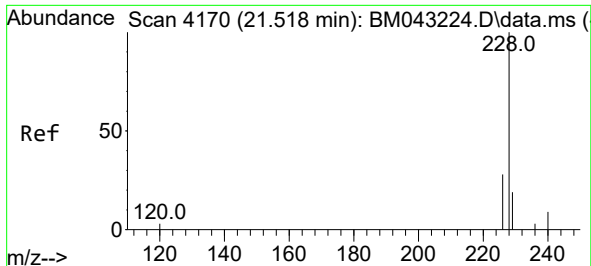
Ion Ratio Lower Upper

202 100

101 14.8 12.7 19.1

100 11.5 9.8 14.8

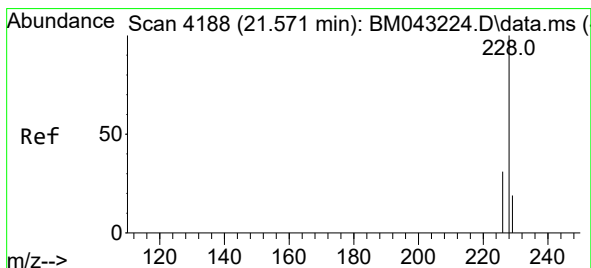
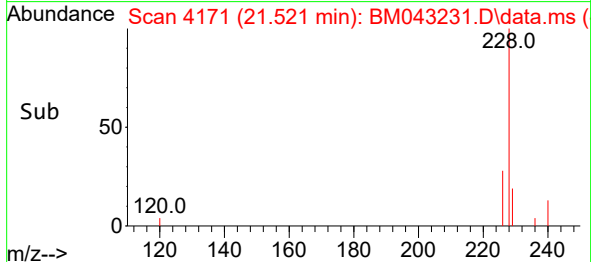
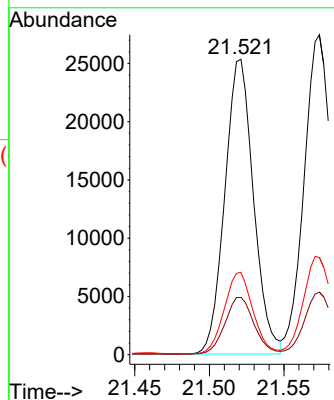
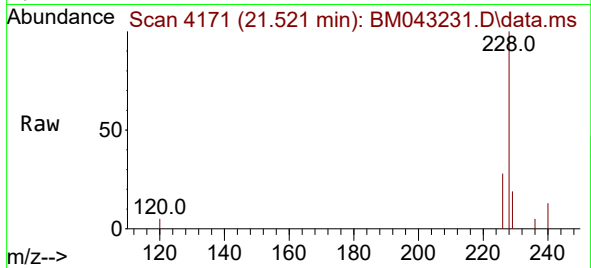




#21
Benzo(a)anthracene
Concen: 0.378 ng/ul
RT: 21.521 min Scan# 4171
Delta R.T. 0.003 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

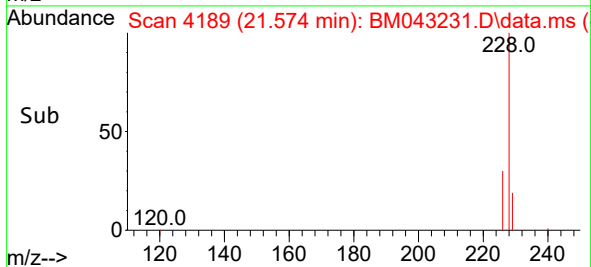
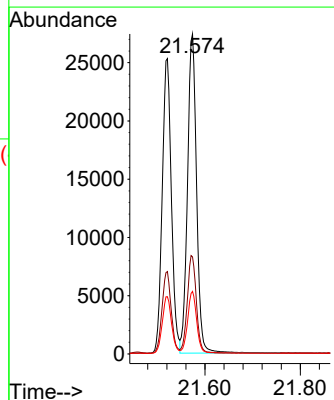
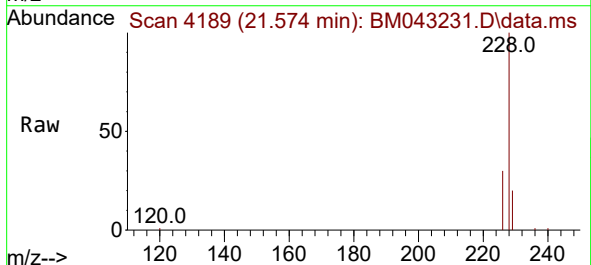
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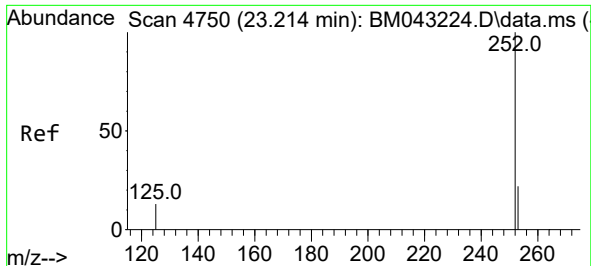
Tgt Ion:228 Resp: 33771
Ion Ratio Lower Upper
228 100
229 19.4 15.5 23.3
226 27.9 22.6 34.0



#22
Chrysene
Concen: 0.385 ng/ul
RT: 21.574 min Scan# 4189
Delta R.T. 0.003 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

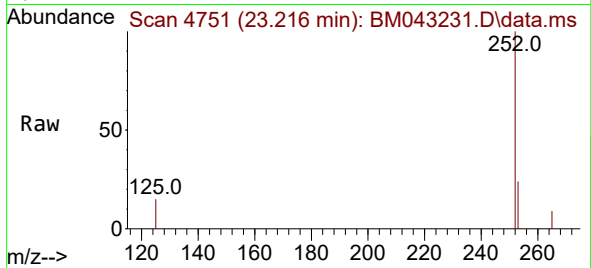
Tgt Ion:228 Resp: 36328
Ion Ratio Lower Upper
228 100
226 30.4 24.8 37.2
229 19.6 15.7 23.5



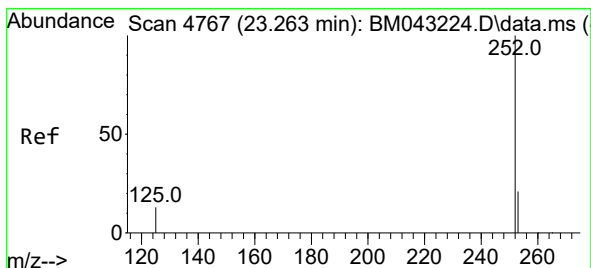
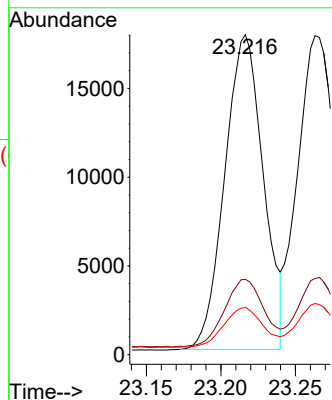


#24
Benzo(b)fluoranthene
Concen: 0.377 ng/ul
RT: 23.216 min Scan# 4751
Delta R.T. 0.003 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

Instrument :
BNA_M
ClientSampleId :
SSTD0.4151

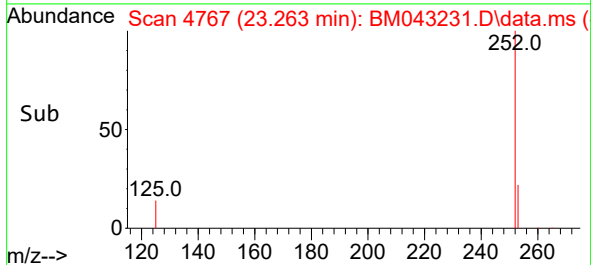
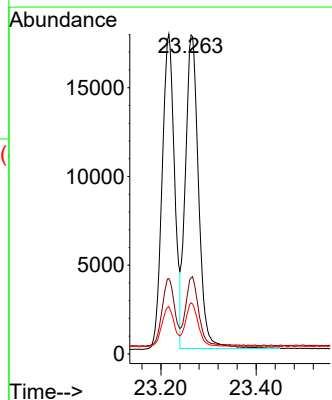
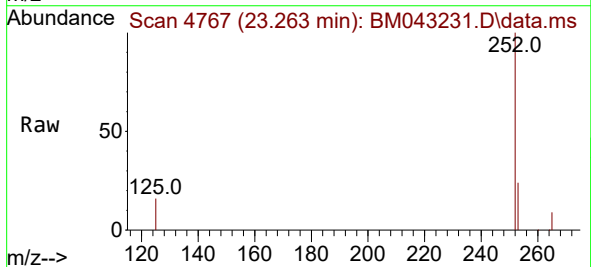


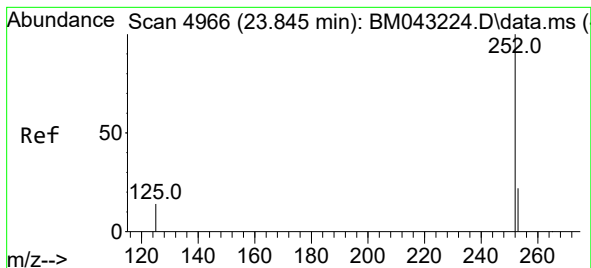
Tgt Ion:252 Resp: 31827
Ion Ratio Lower Upper
252 100
253 23.6 0.0 48.8
125 14.8 0.0 29.2



#25
Benzo(k)fluoranthene
Concen: 0.388 ng/ul
RT: 23.263 min Scan# 4767
Delta R.T. -0.000 min
Lab File: BM043231.D
Acq: 11 Dec 2023 18:23

Tgt Ion:252 Resp: 33973
Ion Ratio Lower Upper
252 100
253 23.9 18.6 28.0
125 16.1 11.8 17.8





#26

Benzo(a)pyrene

Concen: 0.379 ng/ul

RT: 23.845 min Scan# 4966

Delta R.T. -0.000 min

Lab File: BM043231.D

Acq: 11 Dec 2023 18:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.4151

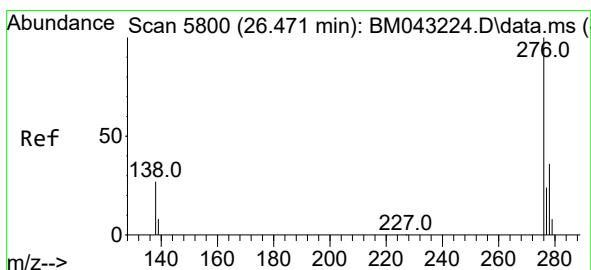
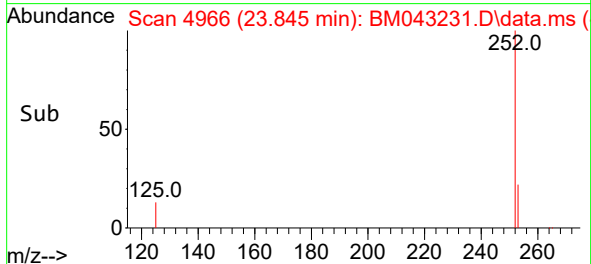
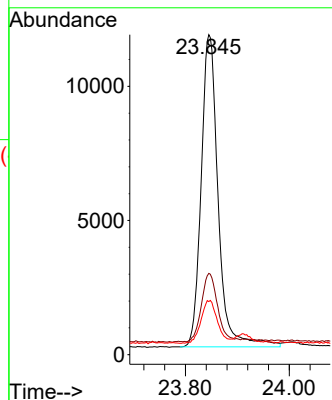
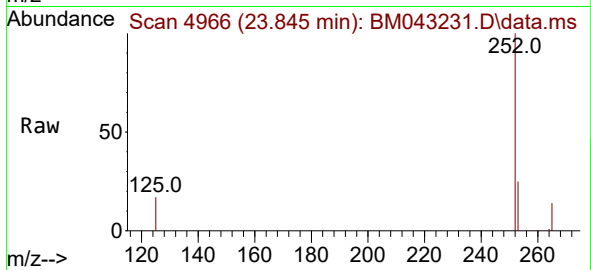
Tgt Ion:252 Resp: 26403

Ion Ratio Lower Upper

252 100

253 25.4 20.2 30.2

125 16.6 13.5 20.3



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.379 ng/ul

RT: 26.471 min Scan# 5800

Delta R.T. -0.000 min

Lab File: BM043231.D

Acq: 11 Dec 2023 18:23

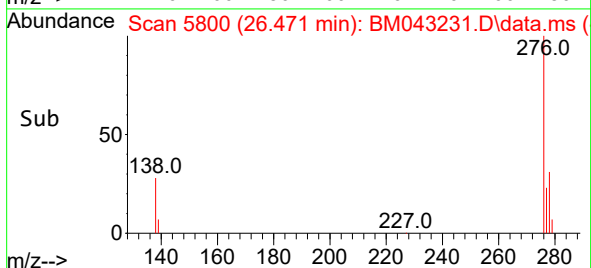
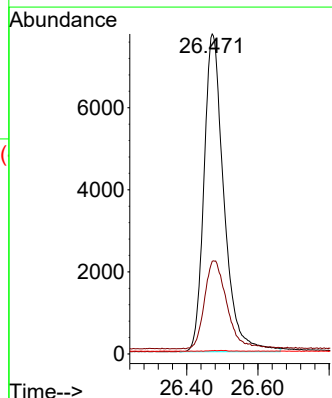
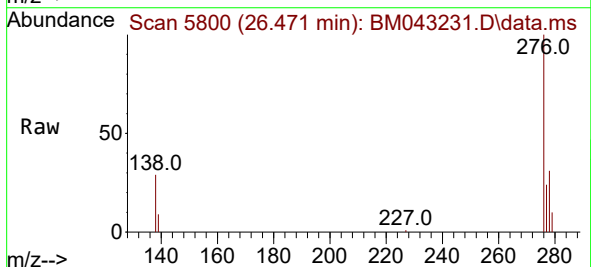
Tgt Ion:276 Resp: 30061

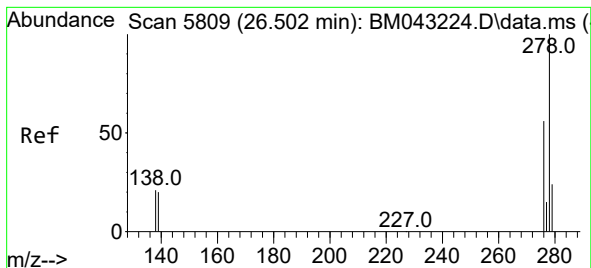
Ion Ratio Lower Upper

276 100

138 31.2 24.6 36.8

227 0.2 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.380 ng/ul

RT: 26.501 min Scan# 5809

Delta R.T. -0.000 min

Lab File: BM043231.D

Acq: 11 Dec 2023 18:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.4151

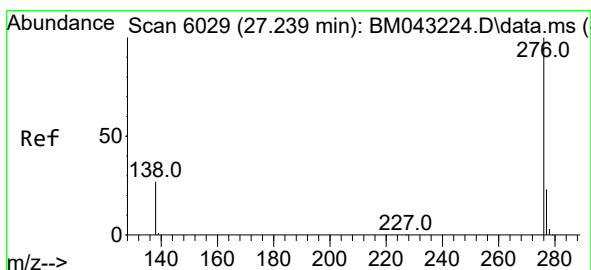
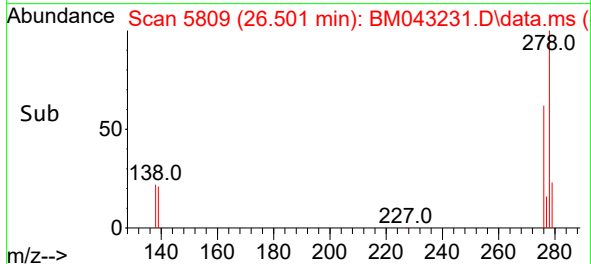
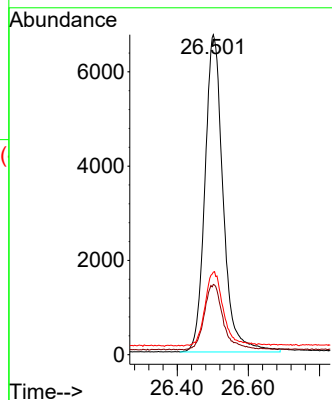
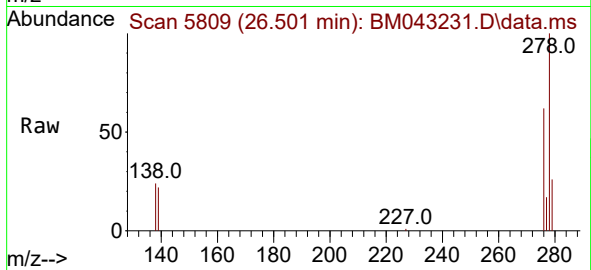
Tgt Ion:278 Resp: 23880

Ion Ratio Lower Upper

278 100

139 22.0 17.4 26.2

279 25.8 20.9 31.3



#29

Benzo(g,h,i)perylene

Concen: 0.378 ng/ul

RT: 27.243 min Scan# 6030

Delta R.T. 0.003 min

Lab File: BM043231.D

Acq: 11 Dec 2023 18:23

Tgt Ion:276 Resp: 25552

Ion Ratio Lower Upper

276 100

138 28.0 23.1 34.7

277 24.3 19.4 29.0

