

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071124\
 Data File : BM046535.D
 Acq On : 12 Jul 2024 02:28
 Operator : MA/JU
 Sample : P3109-08MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0HC4MSD

Quant Time: Jul 12 05:12:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 05:09:19 2024
 Response via : Initial Calibration

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

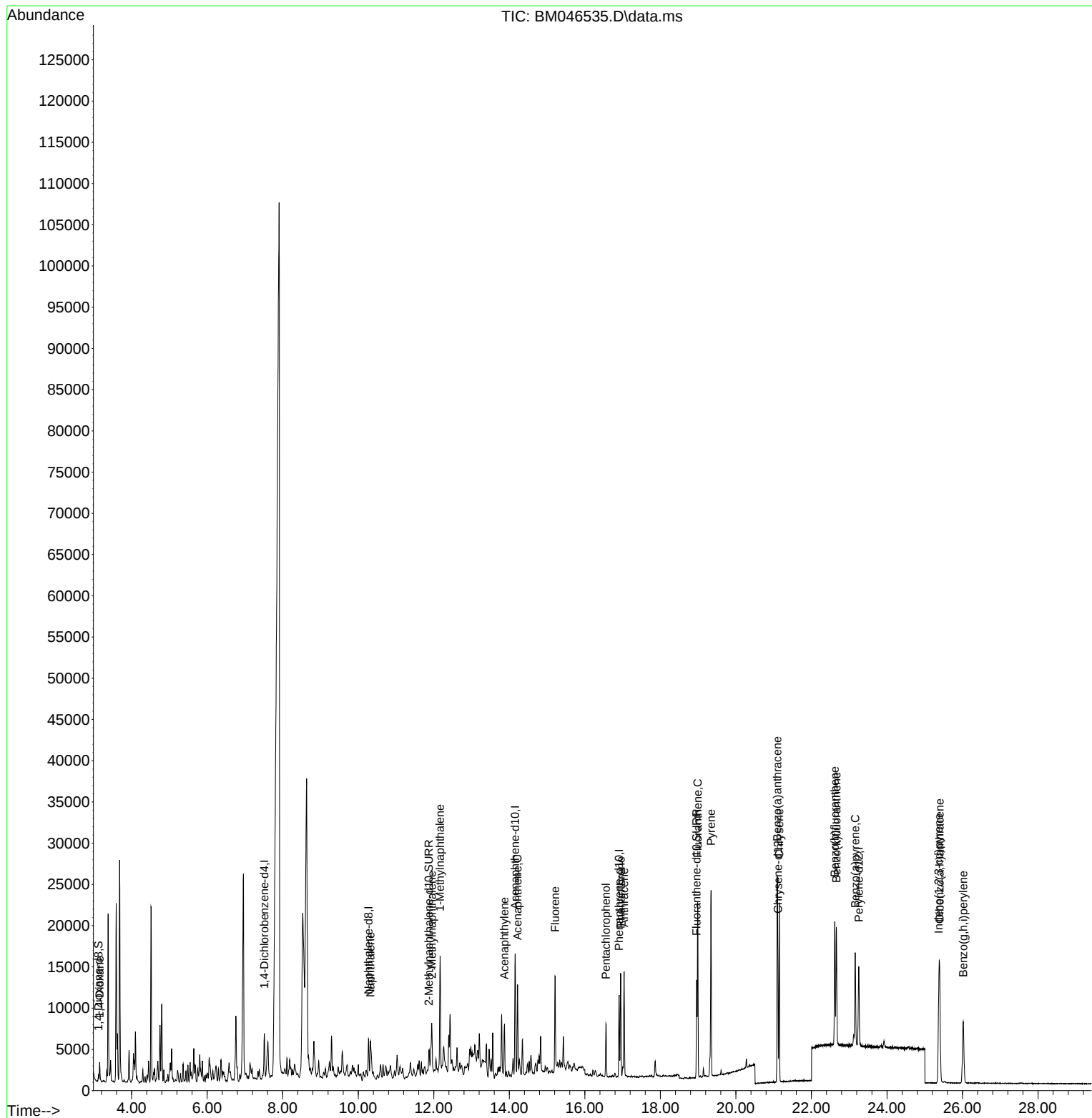
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.514	152	2246	0.400	ng/ul	0.00
4) Naphthalene-d8	10.270	136	6057	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.154	164	10925	0.400	ng/ul #	0.00
13) Phenanthrene-d10	16.908	188	12171	0.400	ng/ul #	0.00
17) Chrysene-d12	21.111	240	10768	0.400	ng/ul	0.00
23) Perylene-d12	23.253	264	11463	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	492	0.267	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.870	152	3274	0.335	ng/ul	0.00
18) Fluoranthene-d10	18.959	212	13506	0.412	ng/ul	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.151	88	1383	0.702	ng/ul#	83
5) Naphthalene	10.319	128	6049	0.393	ng/ul	96
7) 2-Methylnaphthalene	11.947	142	3999	0.369	ng/ul	93
8) 1-Methylnaphthalene	12.167	142	6041	0.547	ng/ul	99
10) Acenaphthylene	13.872	152	6985	0.140	ng/ul#	94
11) Acenaphthene	14.219	153	5918	0.178	ng/ul	98
12) Fluorene	15.213	166	8705	0.211	ng/ul	97
14) Pentachlorophenol	16.557	266	4022	0.652	ng/ul	99
15) Phenanthrene	16.946	178	12861	0.370	ng/ul	97
16) Anthracene	17.039	178	12701	0.375	ng/ul	99
19) Fluoranthene	18.987	202	17384	0.393	ng/ul#	95
20) Pyrene	19.340	202	18715	0.391	ng/ul#	96
21) Benzo(a)anthracene	21.094	228	18238	0.383	ng/ul	99
22) Chrysene	21.146	228	17374	0.377	ng/ul	100
24) Benzo(b)fluoranthene	22.616	252	17974	0.393	ng/ul	98
25) Benzo(k)fluoranthene	22.660	252	17431	0.388	ng/ul	97
26) Benzo(a)pyrene	23.160	252	15441	0.410	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.373	276	19157	0.334	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.394	278	14991	0.330	ng/ul	97
29) Benzo(g,h,i)perylene	26.017	276	14754	0.322	ng/ul	98

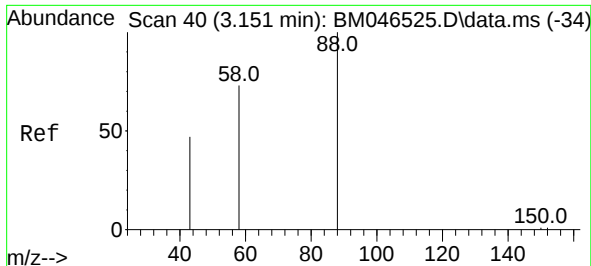
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 12 05:12:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 05:09:19 2024
Response via : Initial Calibration

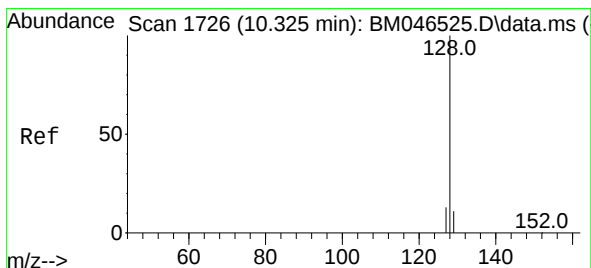
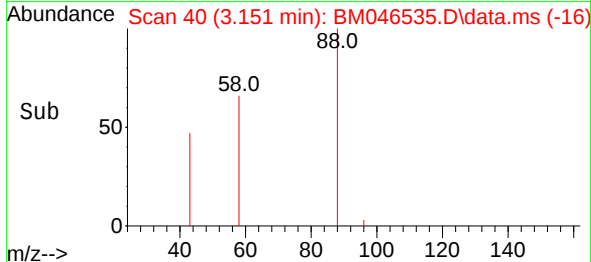
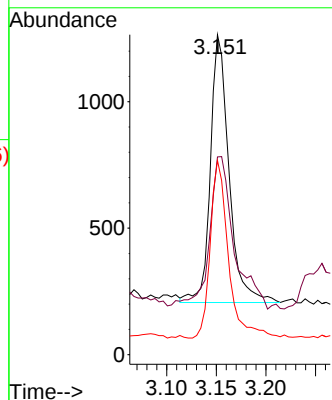
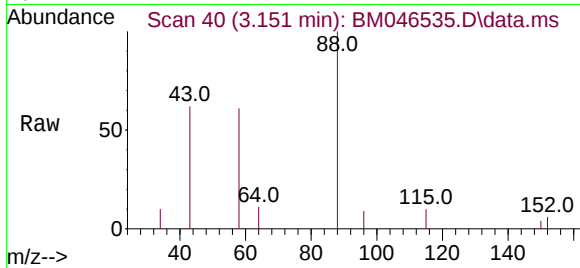




#2
1,4-Dioxane
Concen: 0.702 ng/ul
RT: 3.151 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

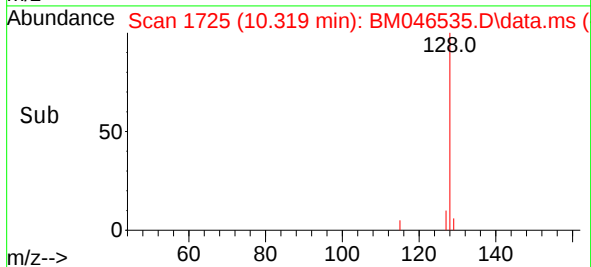
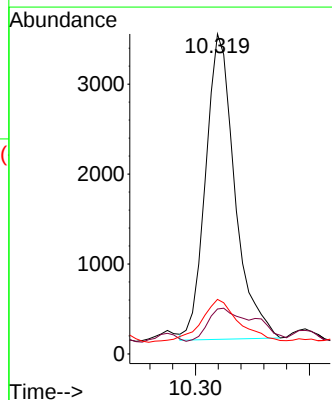
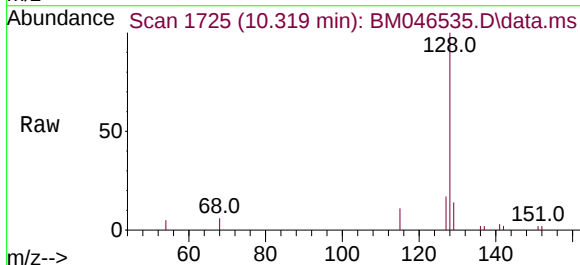
Instrument :
BNA_M
ClientSampleId :
H0HC4MSD

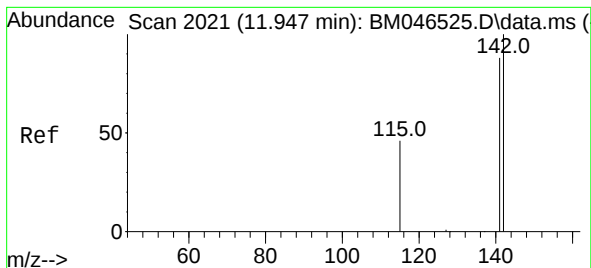
Tgt Ion: 88 Resp: 1383
Ion Ratio Lower Upper
88 100
43 61.8 70.2 105.4#
58 60.7 48.2 72.4



#5
Naphthalene
Concen: 0.393 ng/ul
RT: 10.319 min Scan# 1725
Delta R.T. -0.005 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

Tgt Ion: 128 Resp: 6049
Ion Ratio Lower Upper
128 100
129 14.1 10.3 15.5
127 17.0 12.2 18.4

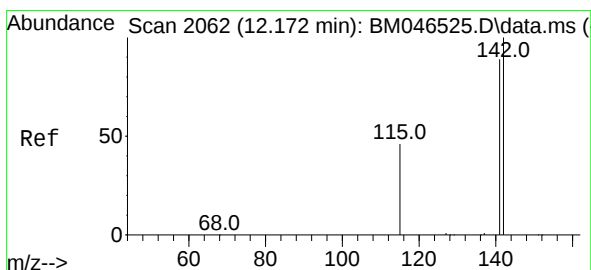
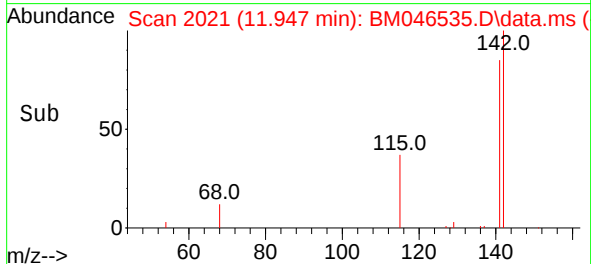
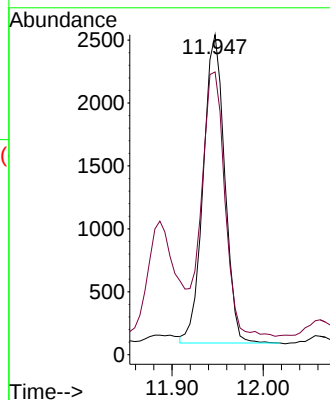
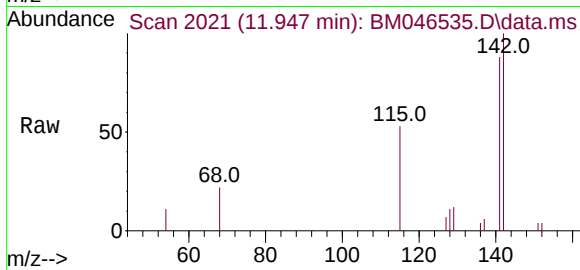




#7
2-Methylnaphthalene
Concen: 0.369 ng/ul
RT: 11.947 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

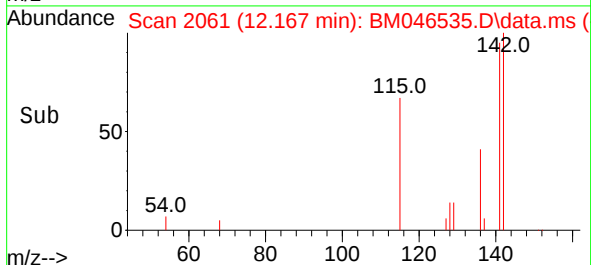
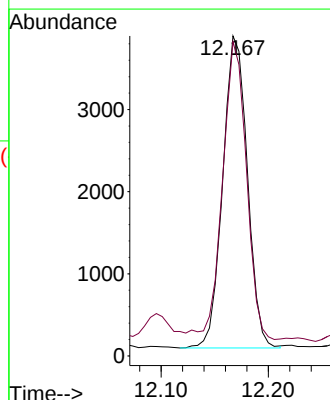
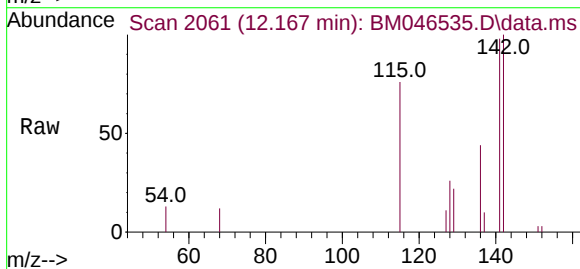
Instrument :
BNA_M
ClientSampleId :
H0HC4MSD

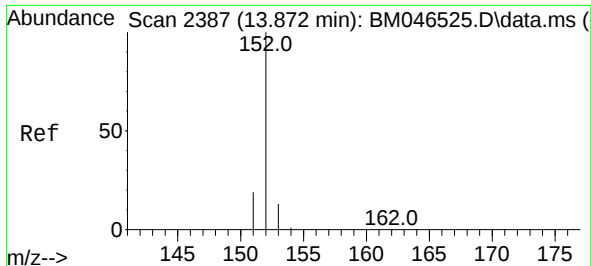
Tgt Ion:142 Resp: 3999
Ion Ratio Lower Upper
142 100
141 94.1 70.3 105.5



#8
1-Methylnaphthalene
Concen: 0.547 ng/ul
RT: 12.167 min Scan# 2061
Delta R.T. -0.005 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

Tgt Ion:142 Resp: 6041
Ion Ratio Lower Upper
142 100
141 91.3 73.9 110.9

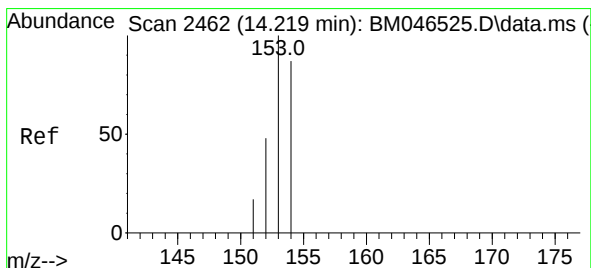
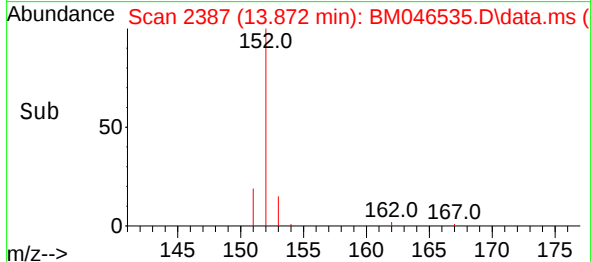
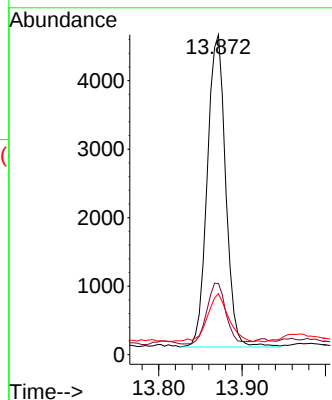
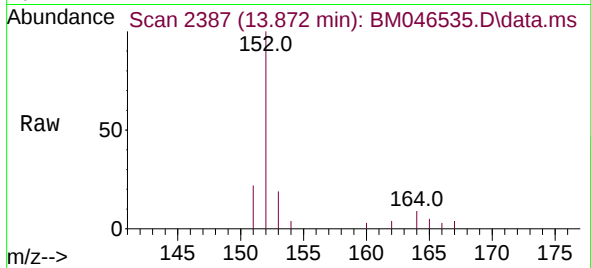




#10
Acenaphthylene
Concen: 0.140 ng/ul
RT: 13.872 min Scan# 2387
Delta R.T. 0.000 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

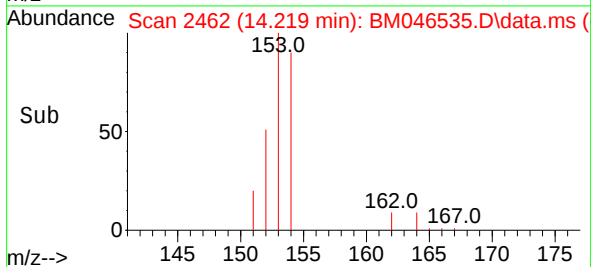
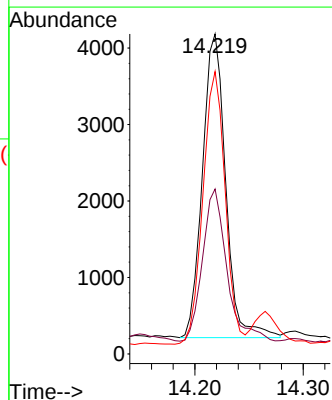
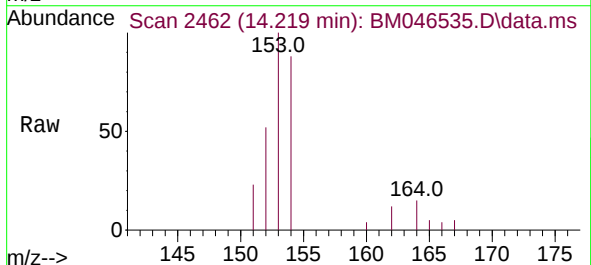
Instrument :
BNA_M
ClientSampleId :
H0HC4MSD

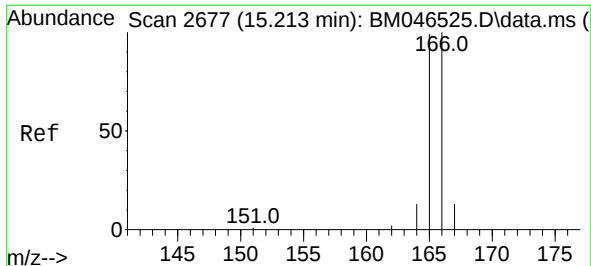
Tgt Ion:152 Resp: 6985
Ion Ratio Lower Upper
152 100
151 22.2 16.4 24.6
153 19.1 12.4 18.6#



#11
Acenaphthene
Concen: 0.178 ng/ul
RT: 14.219 min Scan# 2462
Delta R.T. 0.000 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

Tgt Ion:153 Resp: 5918
Ion Ratio Lower Upper
153 100
152 51.5 43.0 64.6
154 88.2 69.9 104.9

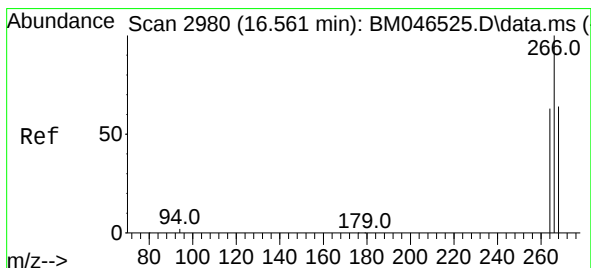
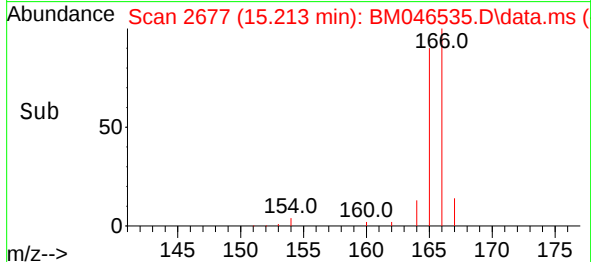
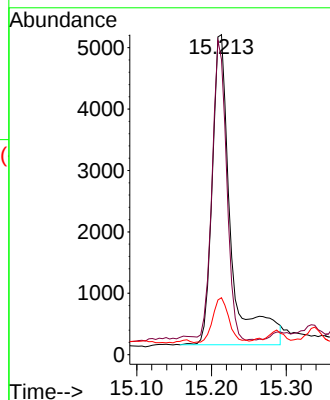
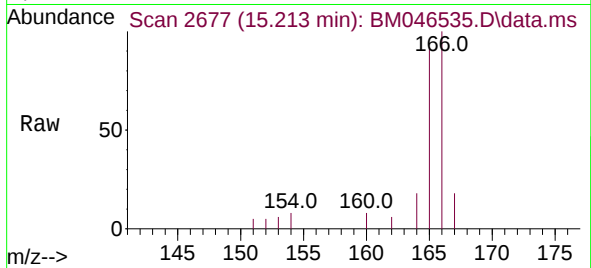




#12
Fluorene
Concen: 0.211 ng/ul
RT: 15.213 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

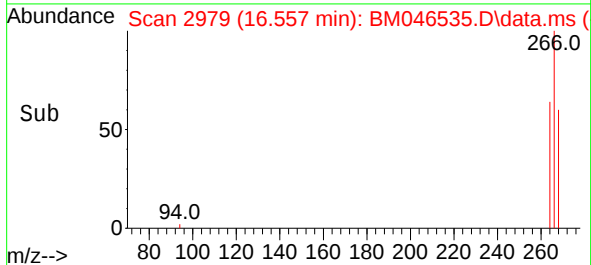
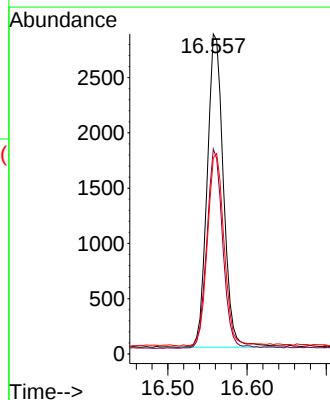
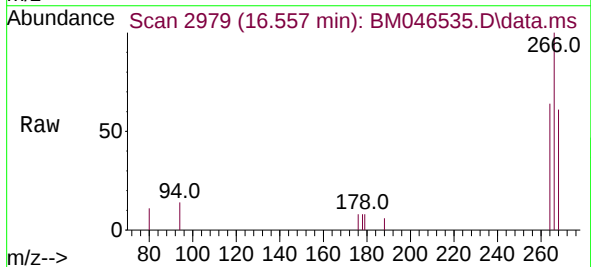
Instrument :
BNA_M
ClientSampleId :
H0HC4MSD

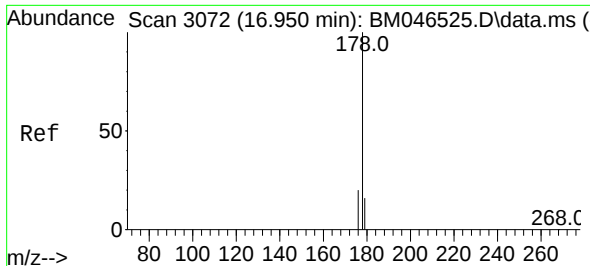
Tgt Ion:166 Resp: 8705
Ion Ratio Lower Upper
166 100
165 92.2 76.1 114.1
167 17.8 12.5 18.7



#14
Pentachlorophenol
Concen: 0.652 ng/ul
RT: 16.557 min Scan# 2979
Delta R.T. -0.004 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

Tgt Ion:266 Resp: 4022
Ion Ratio Lower Upper
266 100
264 62.2 50.1 75.1
268 63.9 52.5 78.7

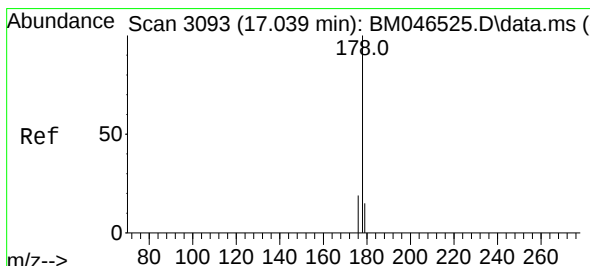
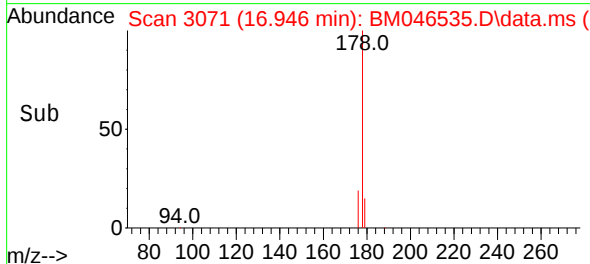
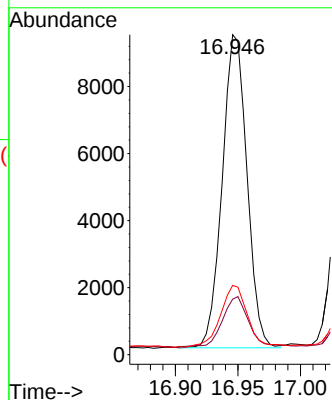
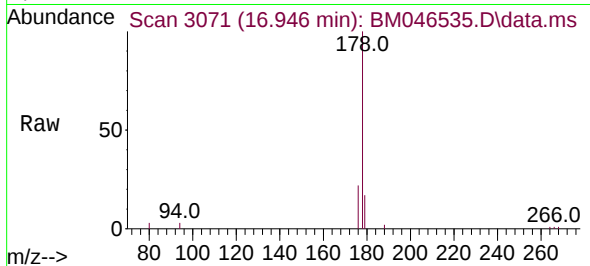




#15
Phenanthrene
Concen: 0.370 ng/ul
RT: 16.946 min Scan# 3071
Delta R.T. -0.004 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

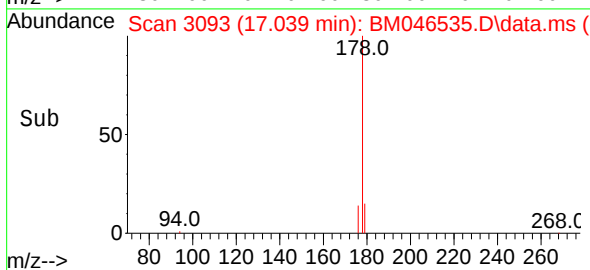
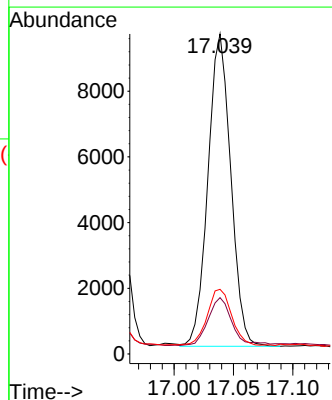
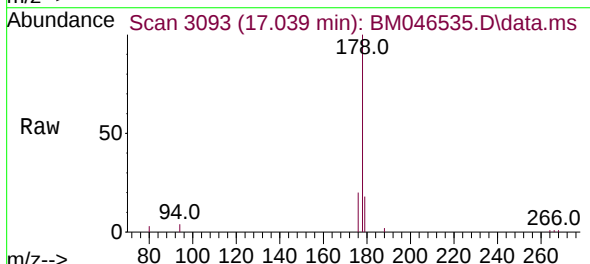
Instrument :
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ClientSampleId :
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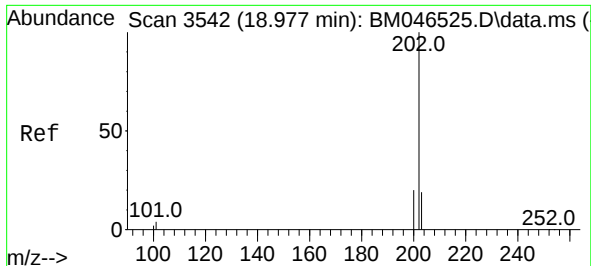
Tgt Ion:178 Resp: 12861
Ion Ratio Lower Upper
178 100
179 17.3 13.1 19.7
176 21.7 16.0 24.0



#16
Anthracene
Concen: 0.375 ng/ul
RT: 17.039 min Scan# 3093
Delta R.T. 0.000 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

Tgt Ion:178 Resp: 12701
Ion Ratio Lower Upper
178 100
179 17.6 13.5 20.3
176 20.2 15.7 23.5





#19

Fluoranthene

Concen: 0.393 ng/ul

RT: 18.987 min Scan# 3544

Delta R.T. 0.009 min

Lab File: BM046535.D

Acq: 12 Jul 2024 02:28

Instrument :

BNA_M

ClientSampleId :

H0HC4MSD

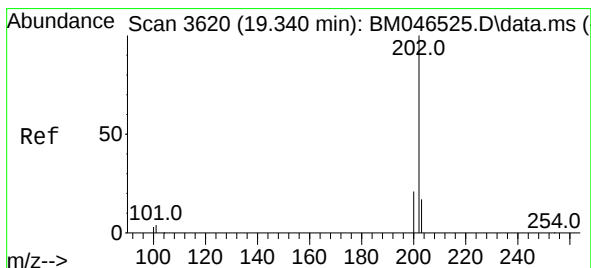
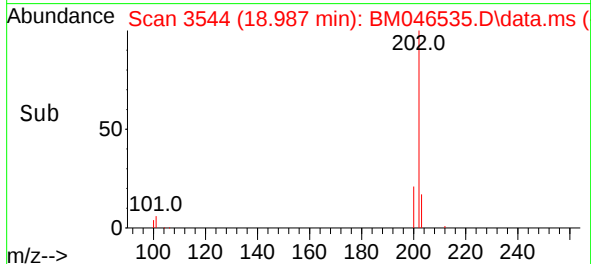
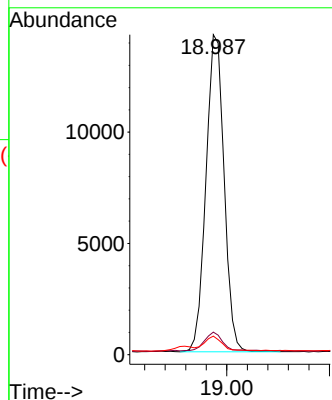
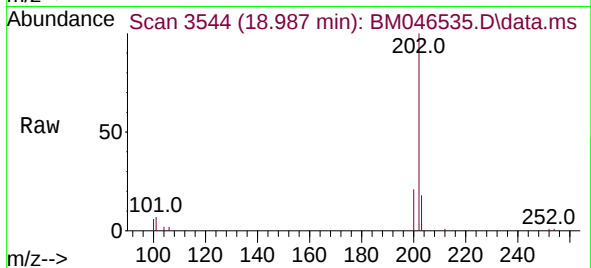
Tgt Ion:202 Resp: 17384

Ion Ratio Lower Upper

202 100

101 7.1 4.6 6.8#

100 5.8 3.0 4.6#



#20

Pyrene

Concen: 0.391 ng/ul

RT: 19.340 min Scan# 3620

Delta R.T. 0.000 min

Lab File: BM046535.D

Acq: 12 Jul 2024 02:28

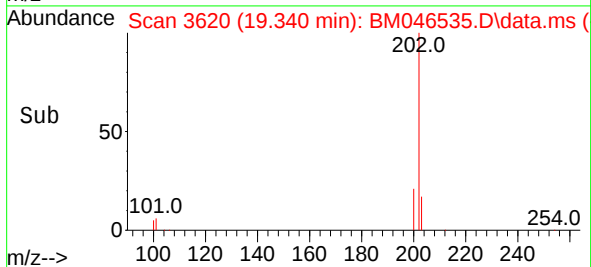
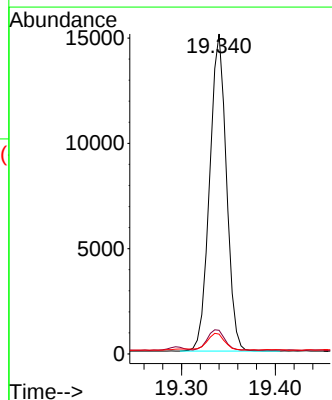
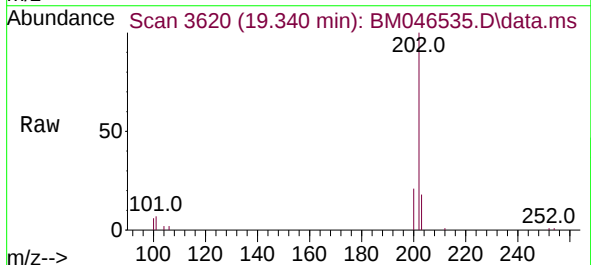
Tgt Ion:202 Resp: 18715

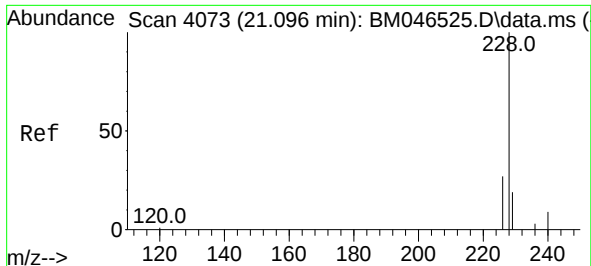
Ion Ratio Lower Upper

202 100

101 7.4 5.1 7.7

100 6.2 3.8 5.6#

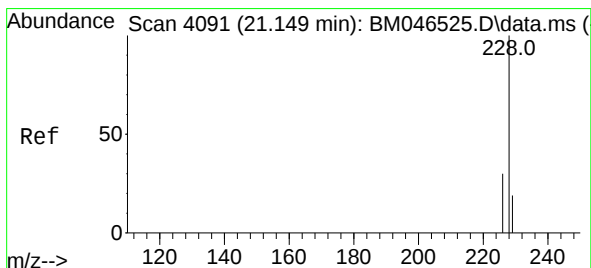
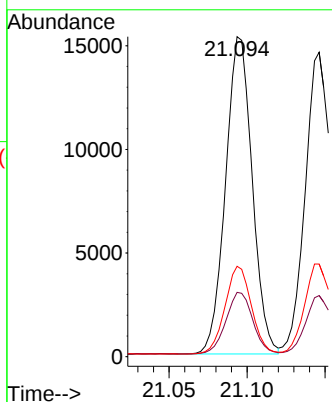
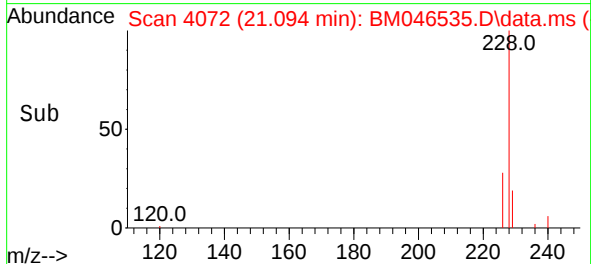
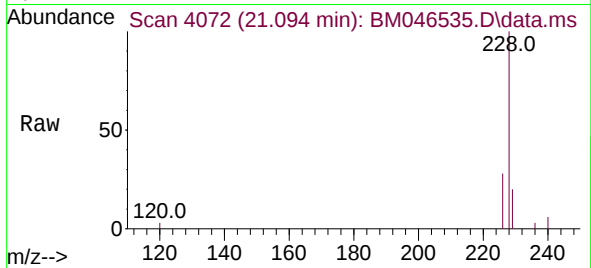




#21
Benzo(a)anthracene
Concen: 0.383 ng/ul
RT: 21.094 min Scan# 4072
Delta R.T. -0.003 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

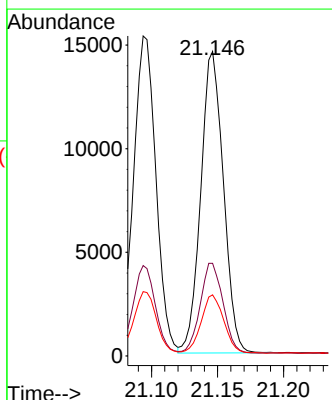
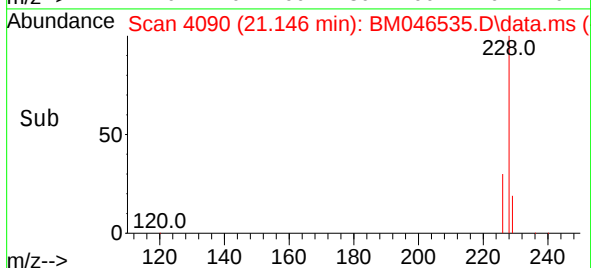
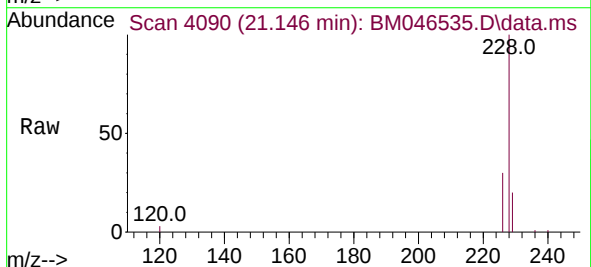
Instrument :
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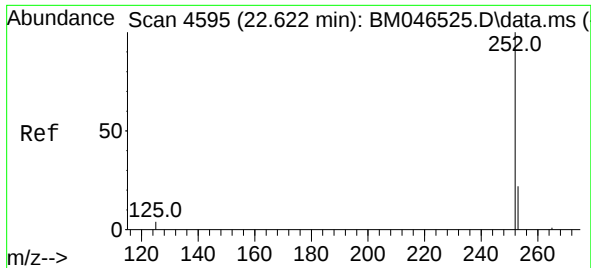
Tgt Ion:228 Resp: 18238
Ion Ratio Lower Upper
228 100
229 20.1 16.5 24.7
226 28.3 22.5 33.7



#22
Chrysene
Concen: 0.377 ng/ul
RT: 21.146 min Scan# 4090
Delta R.T. -0.003 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

Tgt Ion:228 Resp: 17374
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 20.1 16.4 24.6

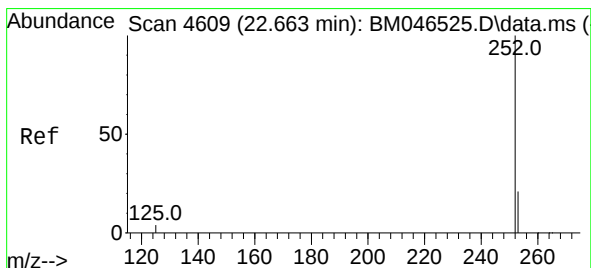
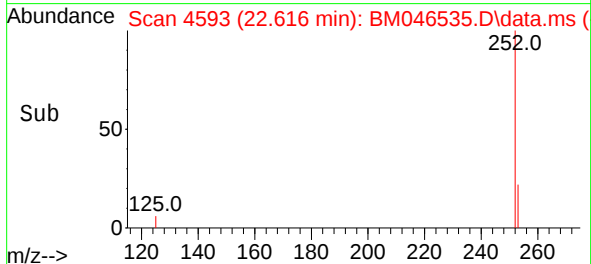
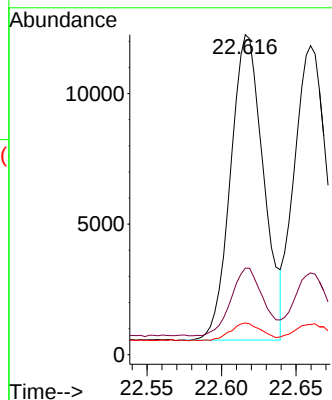
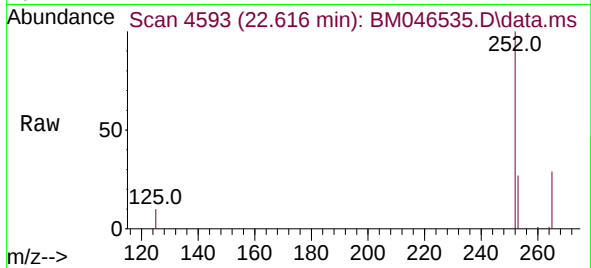




#24
Benzo(b)fluoranthene
Concen: 0.393 ng/ul
RT: 22.616 min Scan# 4593
Delta R.T. -0.006 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

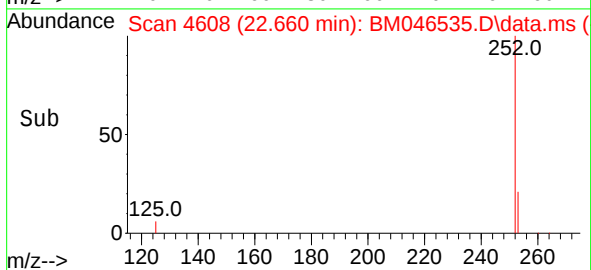
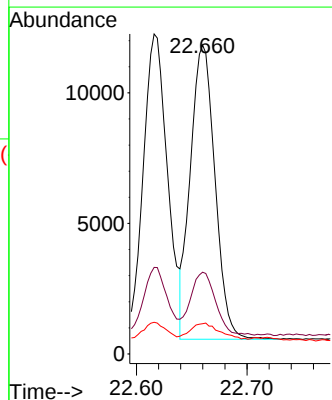
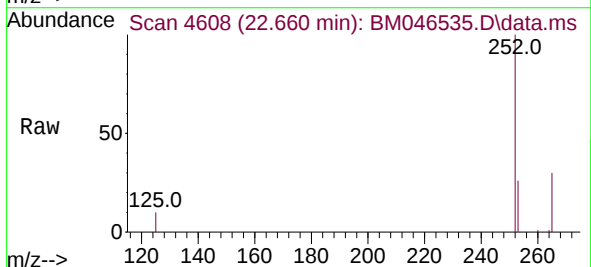
Instrument :
BNA_M
ClientSampleId :
H0HC4MSD

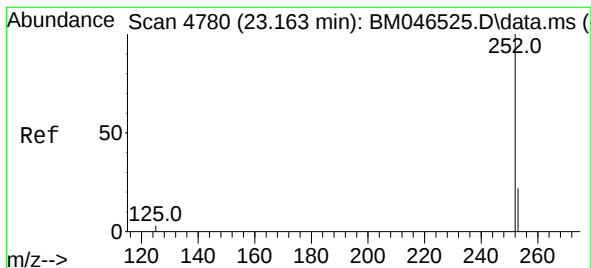
Tgt Ion:252 Resp: 17974
Ion Ratio Lower Upper
252 100
253 27.1 0.0 56.2
125 9.9 0.0 17.8



#25
Benzo(k)fluoranthene
Concen: 0.388 ng/ul
RT: 22.660 min Scan# 4608
Delta R.T. -0.003 min
Lab File: BM046535.D
Acq: 12 Jul 2024 02:28

Tgt Ion:252 Resp: 17431
Ion Ratio Lower Upper
252 100
253 26.5 22.4 33.6
125 9.8 7.0 10.4





#26

Benzo(a)pyrene

Concen: 0.410 ng/ul

RT: 23.160 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM046535.D

Acq: 12 Jul 2024 02:28

Instrument :

BNA_M

ClientSampleId :

H0HC4MSD

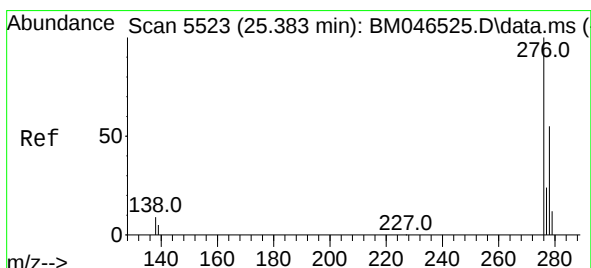
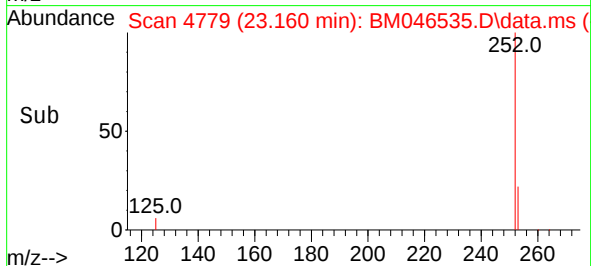
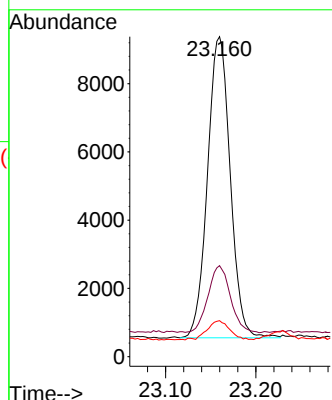
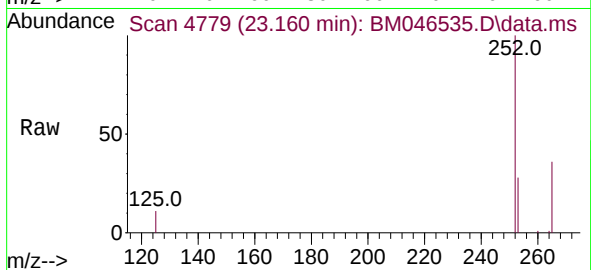
Tgt Ion:252 Resp: 15441

Ion Ratio Lower Upper

252 100

253 28.5 24.0 36.0

125 11.3 8.2 12.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.334 ng/ul

RT: 25.373 min Scan# 5520

Delta R.T. -0.010 min

Lab File: BM046535.D

Acq: 12 Jul 2024 02:28

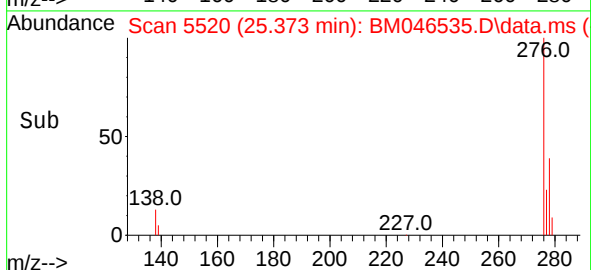
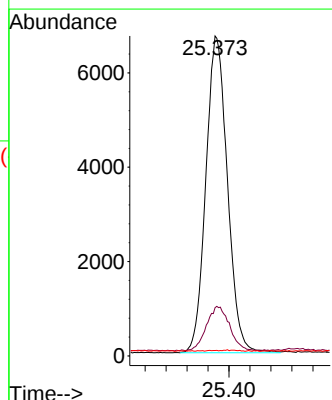
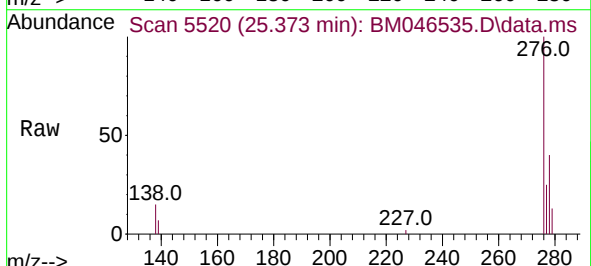
Tgt Ion:276 Resp: 19157

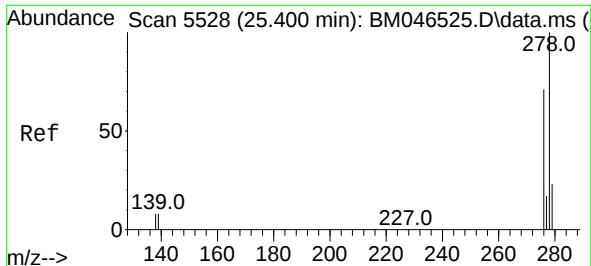
Ion Ratio Lower Upper

276 100

138 14.9 0.0 0.0#

227 0.1 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.330 ng/ul

RT: 25.394 min Scan# 51

Delta R.T. -0.007 min

Lab File: BM046535.D

Acq: 12 Jul 2024 02:28

Instrument :

BNA_M

ClientSampleId :

H0HC4MSD

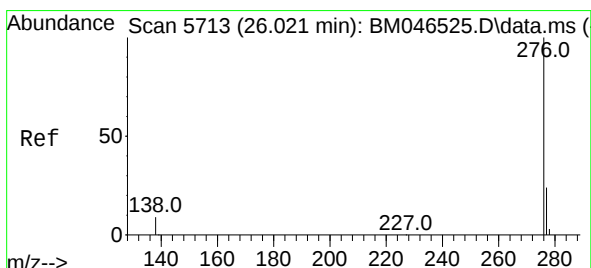
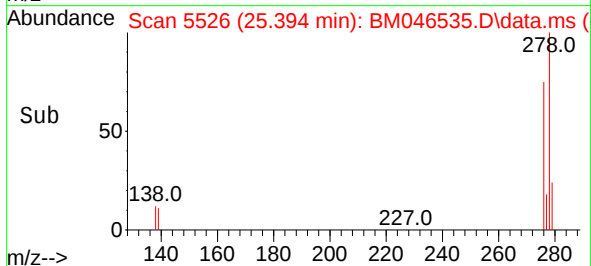
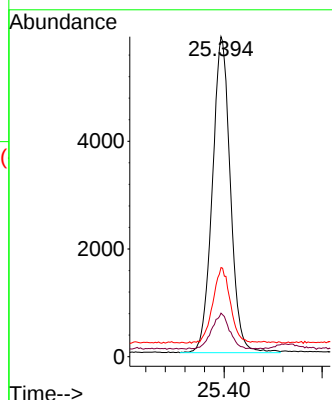
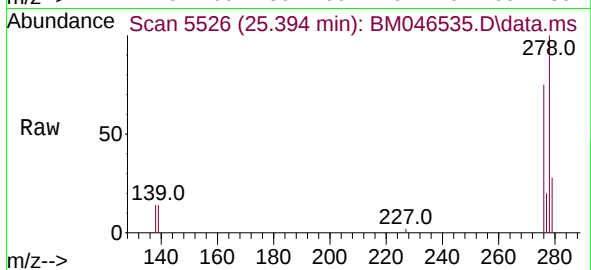
Tgt Ion:278 Resp: 14991

Ion Ratio Lower Upper

278 100

139 13.6 9.1 13.7

279 27.9 23.2 34.8



#29

Benzo(g,h,i)perylene

Concen: 0.322 ng/ul

RT: 26.017 min Scan# 5712

Delta R.T. -0.003 min

Lab File: BM046535.D

Acq: 12 Jul 2024 02:28

Tgt Ion:276 Resp: 14754

Ion Ratio Lower Upper

276 100

138 14.6 10.2 15.4

277 26.0 20.9 31.3

