

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
 Data File : BM045393.D
 Acq On : 19 Apr 2024 15:01
 Operator : MA/JU
 Sample : P2032-19MSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E0MG3MSD

Quant Time: Apr 19 15:55:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 22:19:59 2024
 Response via : Initial Calibration

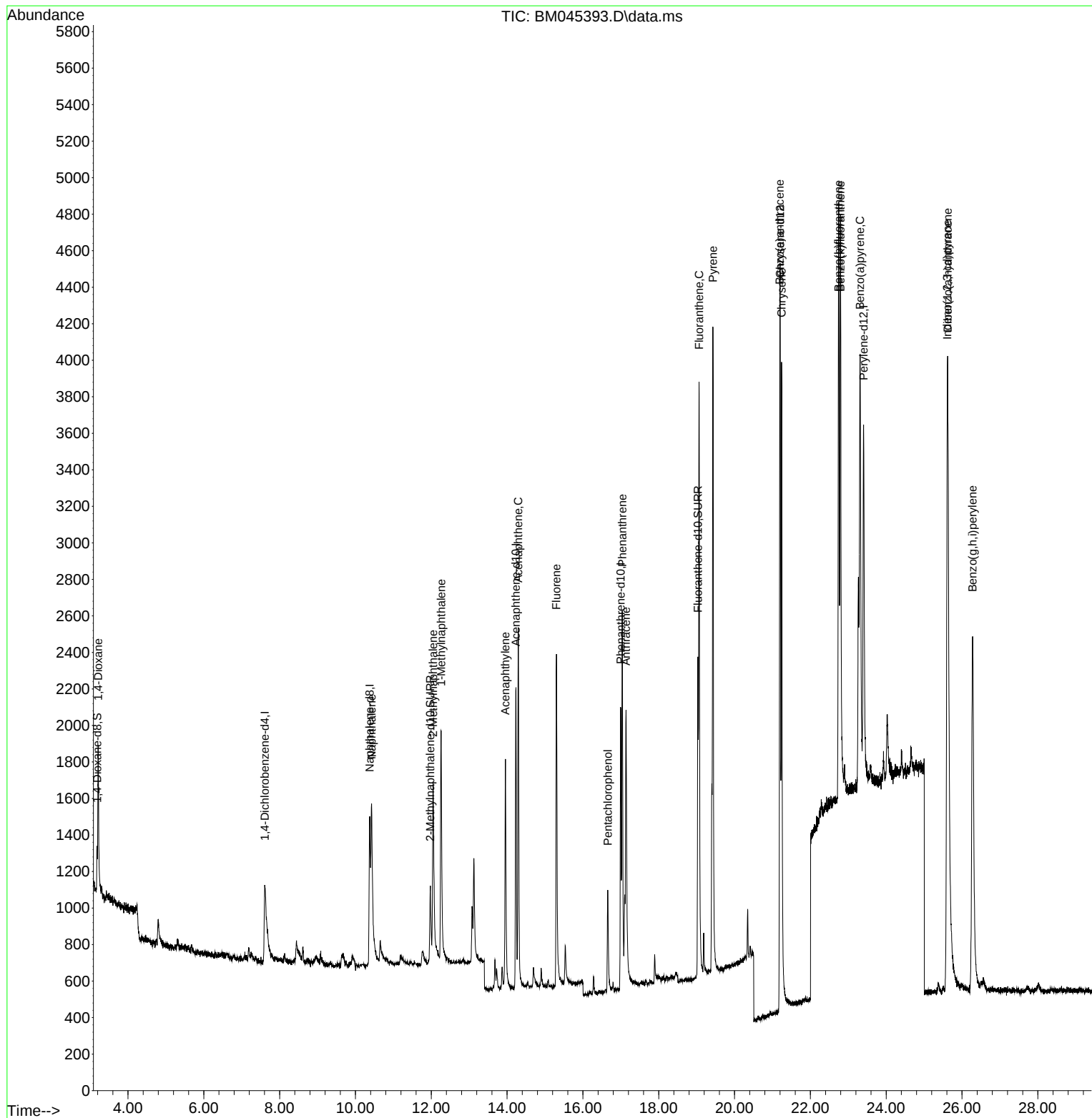
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.606	152	652	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.375	136	2129	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.228	164	1063	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.997	188	2309	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.205	240	2176	0.400	ng/ul	#-0.01
23) Perylene-d12	23.403	264	2960	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.188	96	244	0.285	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.975	152	900	0.312	ng/ul	-0.02
18) Fluoranthene-d10	19.034	212	2295	0.417	ng/ul	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.213	88	627	0.764	ng/ul#	77
5) Naphthalene	10.424	128	1865	0.330	ng/ul#	89
7) 2-Methylnaphthalene	12.046	142	1175	0.348	ng/ul	95
8) 1-Methylnaphthalene	12.261	142	1215	0.330	ng/ul	97
10) Acenaphthylene	13.955	152	1911	0.360	ng/ul	95
11) Acenaphthene	14.293	153	1411	0.372	ng/ul	97
12) Fluorene	15.301	166	1582	0.372	ng/ul#	96
14) Pentachlorophenol	16.655	266	494	0.912	ng/ul	98
15) Phenanthrene	17.039	178	2654	0.408	ng/ul	95
16) Anthracene	17.136	178	2483	0.388	ng/ul	94
19) Fluoranthene	19.066	202	3394	0.436	ng/ul#	95
20) Pyrene	19.429	202	3619	0.441	ng/ul#	93
21) Benzo(a)anthracene	21.193	228	3235	0.427	ng/ul	96
22) Chrysene	21.240	228	4011	0.424	ng/ul	96
24) Benzo(b)fluoranthene	22.748	252	4253	0.398	ng/ul	91
25) Benzo(k)fluoranthene	22.792	252	4951	0.414	ng/ul#	88
26) Benzo(a)pyrene	23.312	252	4138	0.405	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	25.612	276	5950	0.425	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.625	278	4691	0.423	ng/ul#	89
29) Benzo(g,h,i)perylene	26.279	276	5134	0.426	ng/ul#	94

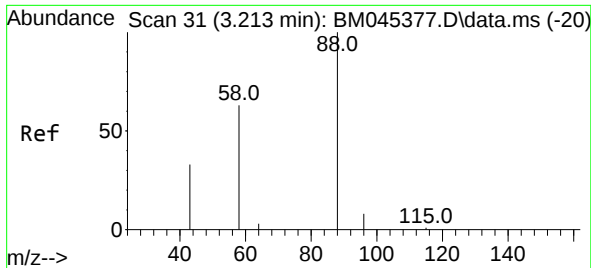
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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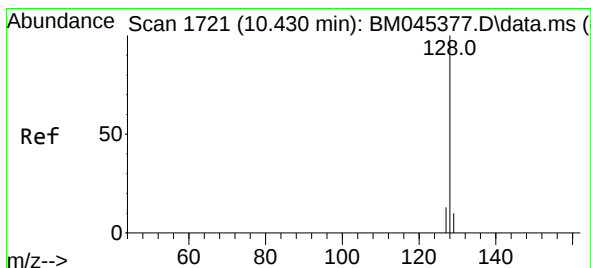
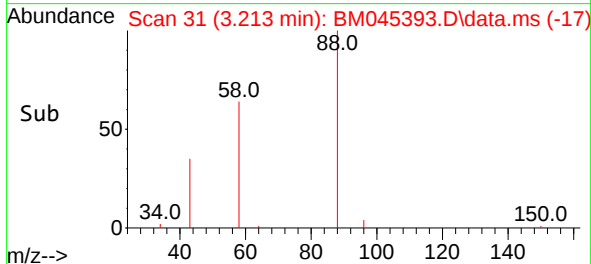
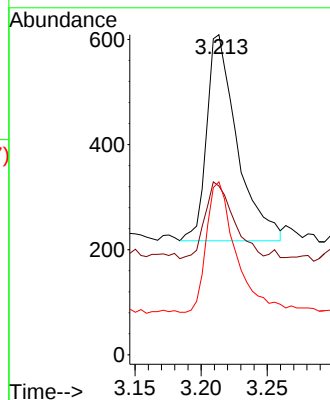
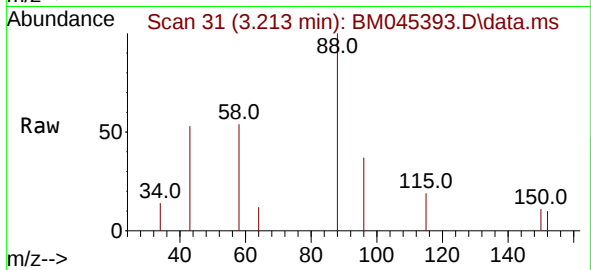




#2
1,4-Dioxane
Concen: 0.764 ng/ul
RT: 3.213 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

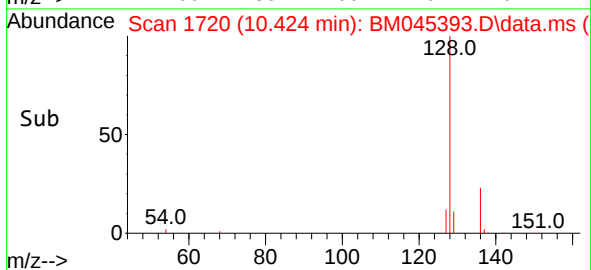
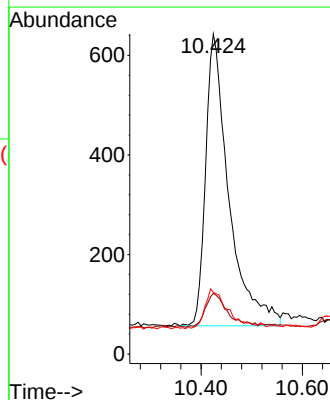
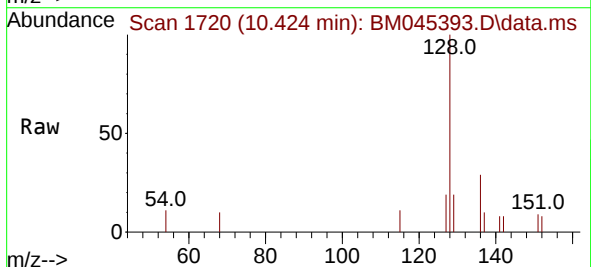
Instrument :
BNA_M
ClientSampleId :
E0MG3MSD

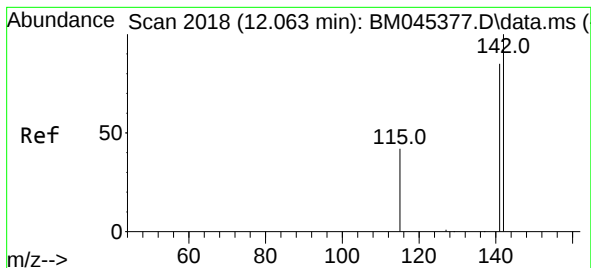
Tgt Ion: 88 Resp: 627
Ion Ratio Lower Upper
88 100
43 52.7 30.6 46.0#
58 54.0 32.6 48.8#



#5
Naphthalene
Concen: 0.330 ng/ul
RT: 10.424 min Scan# 1720
Delta R.T. -0.016 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

Tgt Ion: 128 Resp: 1865
Ion Ratio Lower Upper
128 100
129 19.0 11.3 16.9#
127 19.3 11.9 17.9#

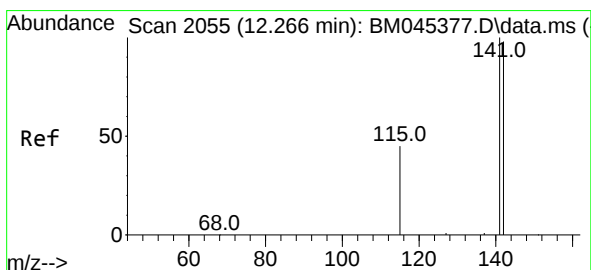
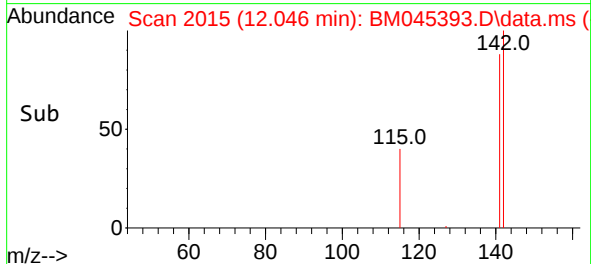
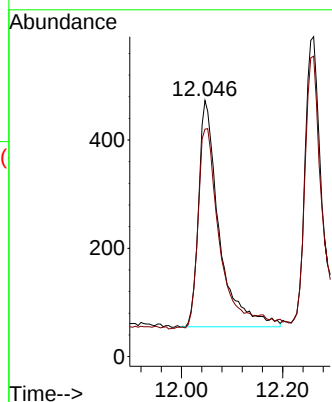
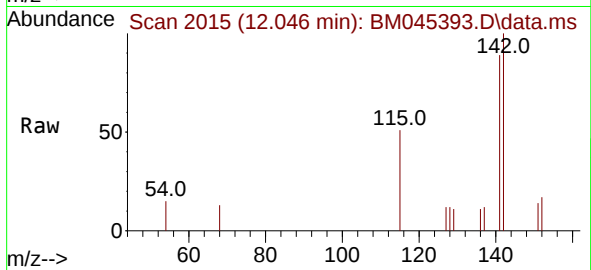




#7
2-Methylnaphthalene
Concen: 0.348 ng/ul
RT: 12.046 min Scan# 2015
Delta R.T. -0.022 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

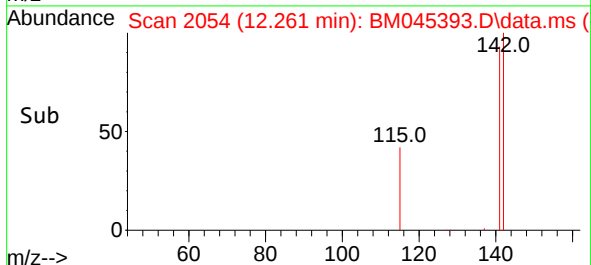
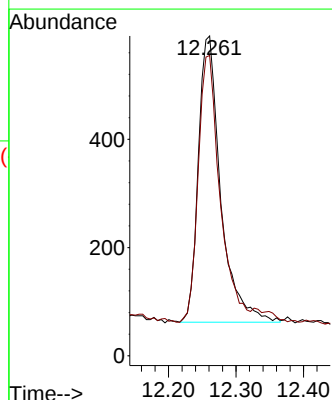
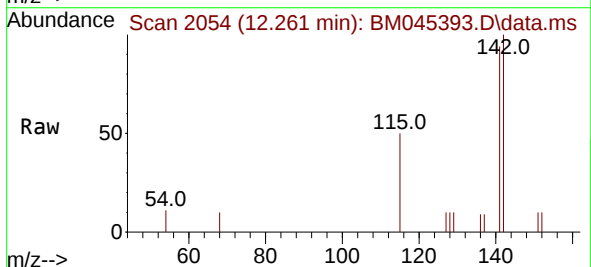
Instrument :
BNA_M
ClientSampleId :
E0MG3MSD

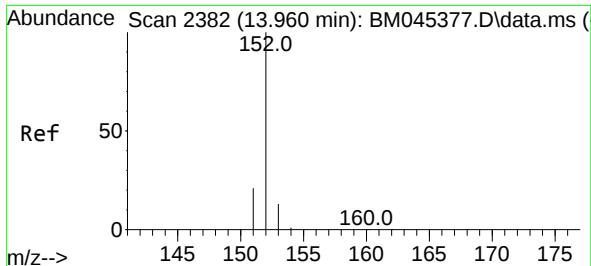
Tgt Ion:142 Resp: 1175
Ion Ratio Lower Upper
142 100
141 96.9 73.8 110.8



#8
1-Methylnaphthalene
Concen: 0.330 ng/ul
RT: 12.261 min Scan# 2054
Delta R.T. -0.011 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

Tgt Ion:142 Resp: 1215
Ion Ratio Lower Upper
142 100
141 95.1 74.2 111.2

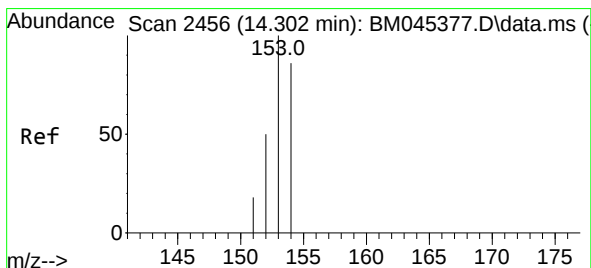
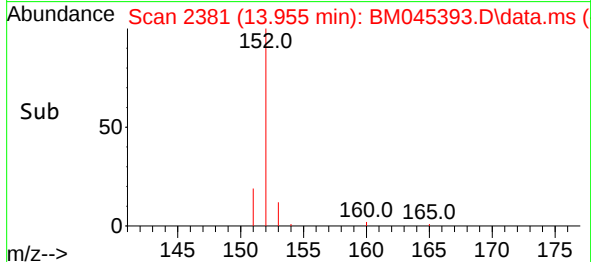
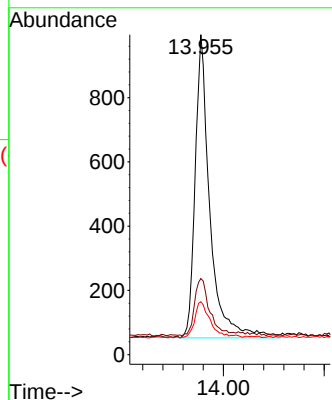
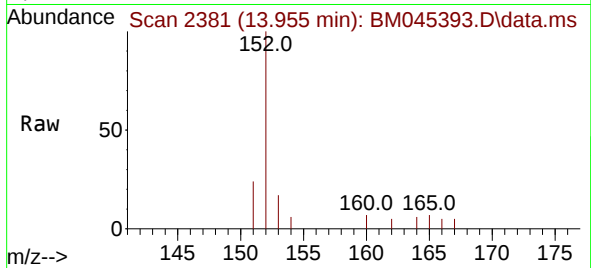




#10
Acenaphthylene
Concen: 0.360 ng/ul
RT: 13.955 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

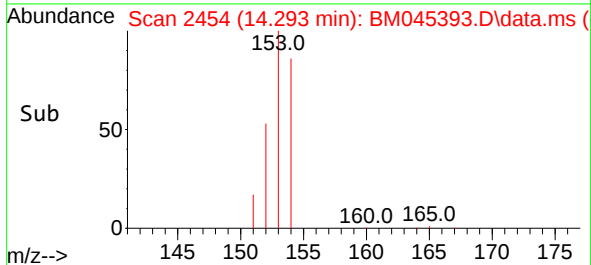
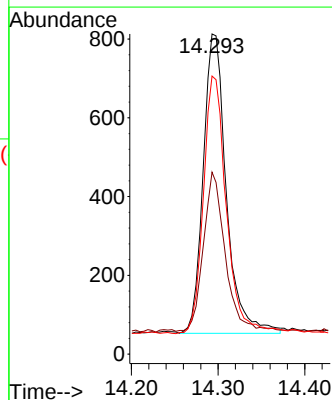
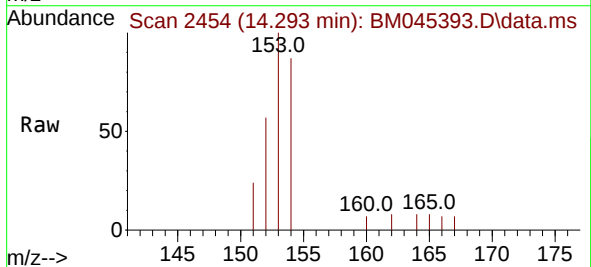
Instrument :
BNA_M
ClientSampleId :
E0MG3MSD

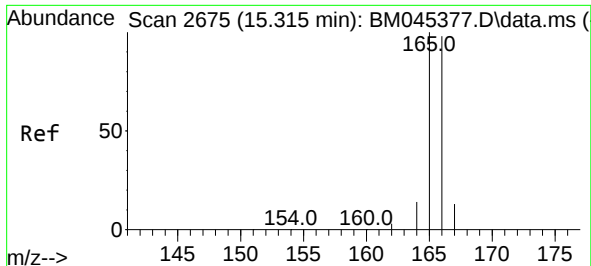
Tgt Ion:152	Resp:	1911
Ion Ratio	Lower	Upper
152	100	
151	23.8	17.0 25.4
153	16.6	11.9 17.9



#11
Acenaphthene
Concen: 0.372 ng/ul
RT: 14.293 min Scan# 2454
Delta R.T. -0.009 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

Tgt Ion:153	Resp:	1411
Ion Ratio	Lower	Upper
153	100	
152	56.8	41.2 61.8
154	86.8	69.4 104.0

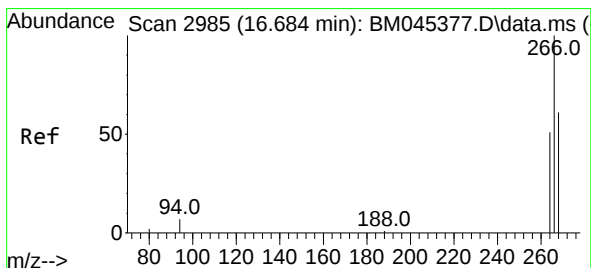
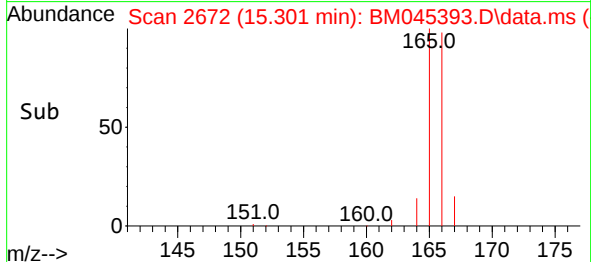
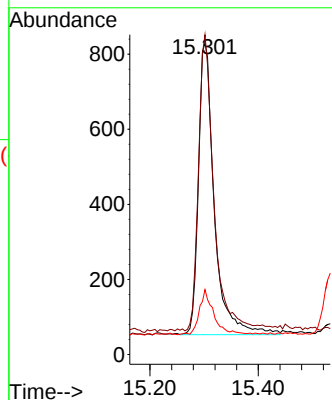
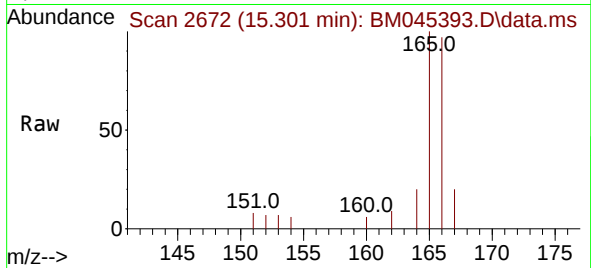




#12
Fluorene
Concen: 0.372 ng/ul
RT: 15.301 min Scan# 20
Delta R.T. -0.023 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

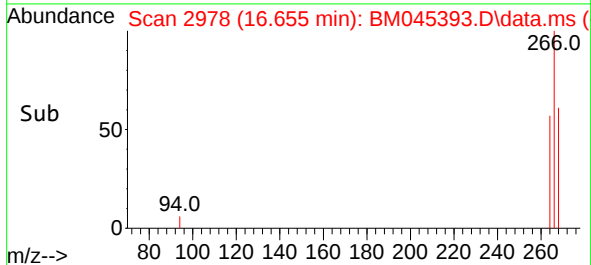
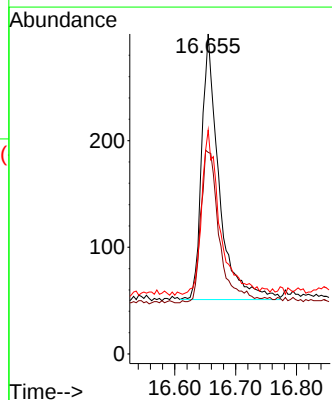
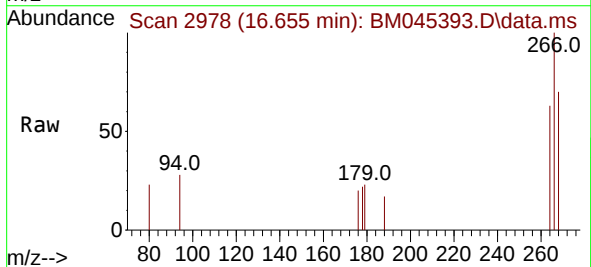
Instrument :
BNA_M
ClientSampleId :
E0MG3MSD

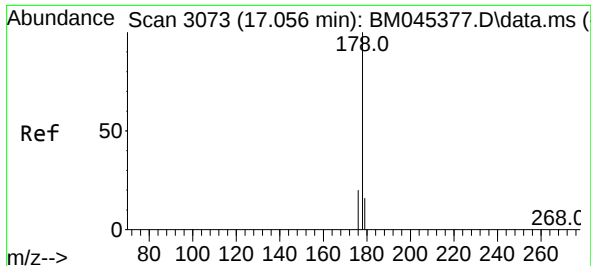
Tgt Ion:166 Resp: 1582
Ion Ratio Lower Upper
166 100
165 102.8 79.9 119.9
167 20.9 12.2 18.2#



#14
Pentachlorophenol
Concen: 0.912 ng/ul
RT: 16.655 min Scan# 2978
Delta R.T. -0.034 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

Tgt Ion:266 Resp: 494
Ion Ratio Lower Upper
266 100
264 62.8 48.3 72.5
268 65.0 52.6 79.0

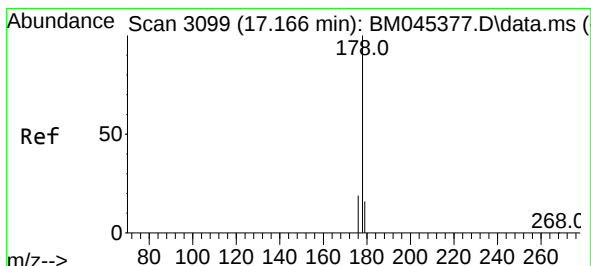
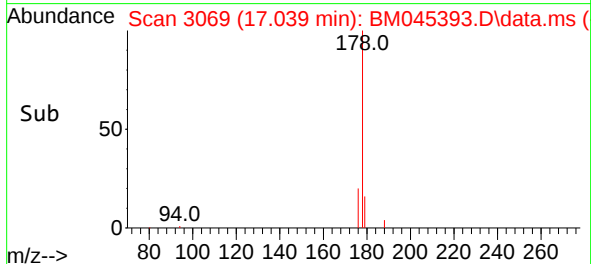
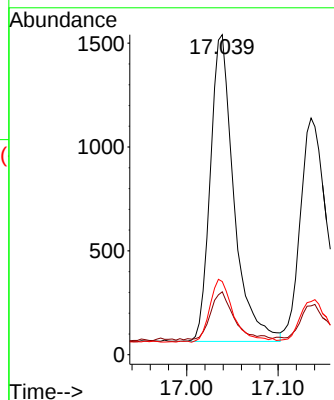
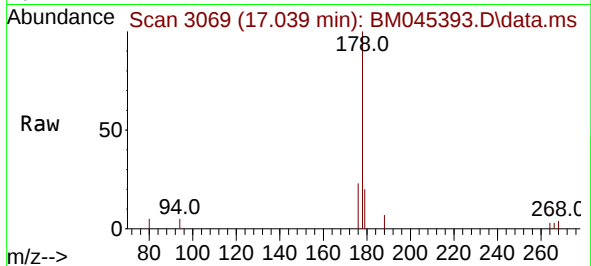




#15
Phenanthrene
Concen: 0.408 ng/ul
RT: 17.039 min Scan# 3069
Delta R.T. -0.021 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

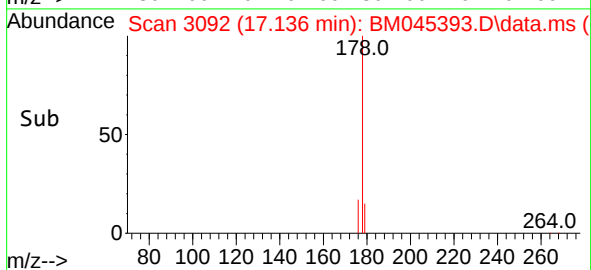
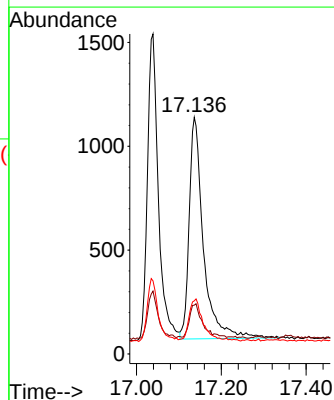
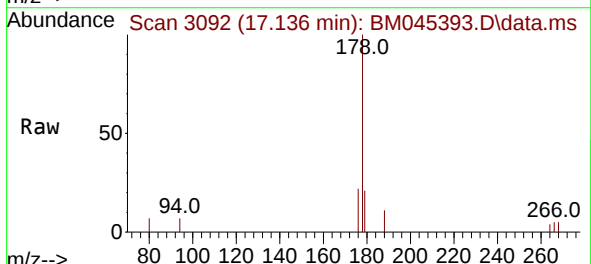
Instrument :
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ClientSampleId :
E0MG3MSD

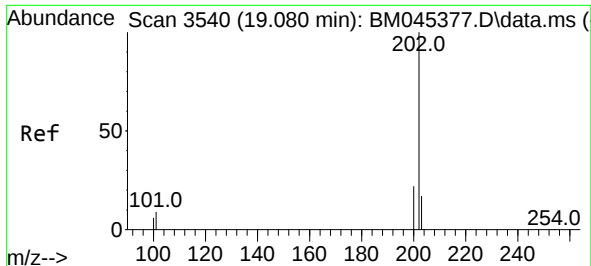
Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.7	13.7	20.5
176	22.8	17.0	25.4



#16
Anthracene
Concen: 0.388 ng/ul
RT: 17.136 min Scan# 3092
Delta R.T. -0.034 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.6	13.8	20.8
176	22.5	16.2	24.4

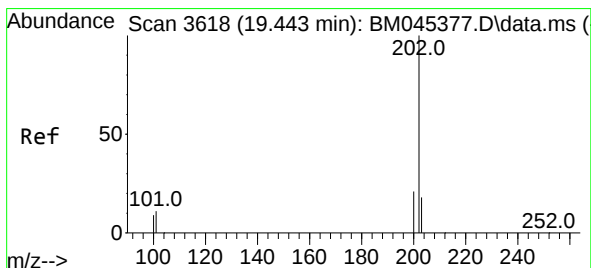
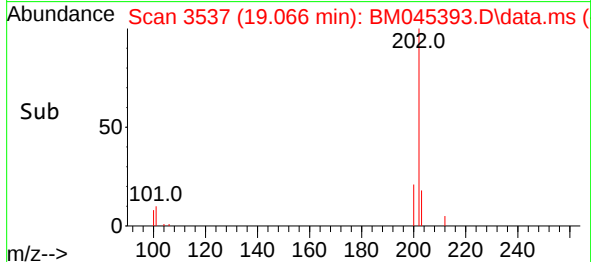
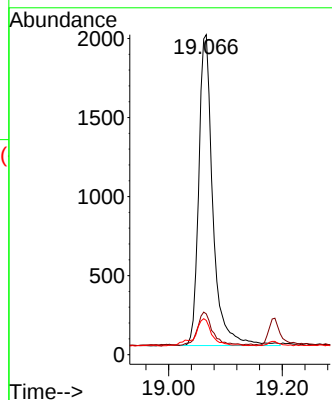
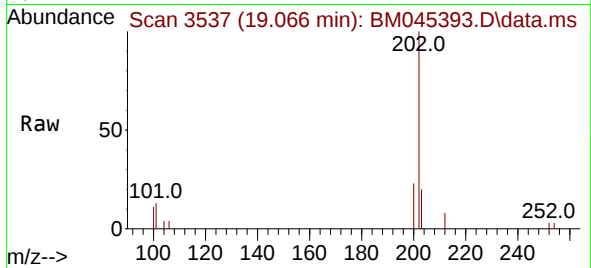




#19
Fluoranthene
Concen: 0.436 ng/ul
RT: 19.066 min Scan# 31
Delta R.T. -0.019 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

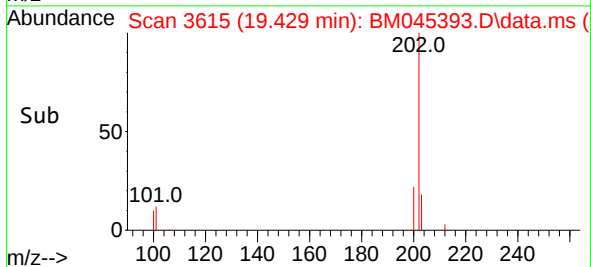
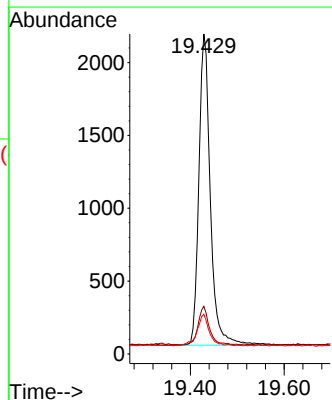
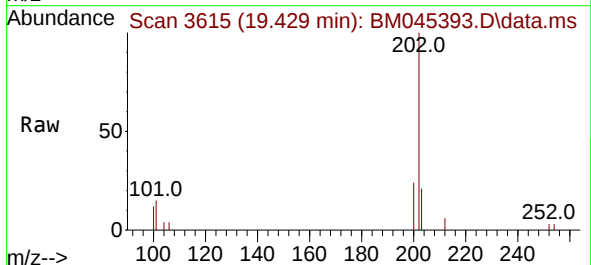
Instrument :
BNA_M
ClientSampleId :
E0MG3MSD

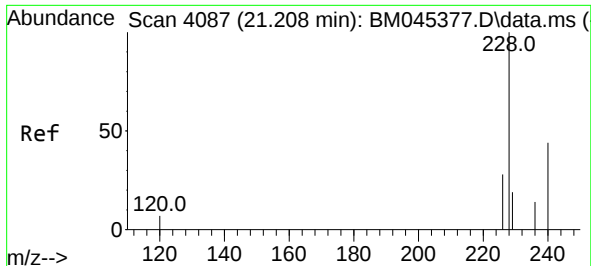
Tgt Ion:202 Resp: 3394
Ion Ratio Lower Upper
202 100
101 12.7 8.8 13.2
100 10.7 7.0 10.4#



#20
Pyrene
Concen: 0.441 ng/ul
RT: 19.429 min Scan# 3615
Delta R.T. -0.019 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

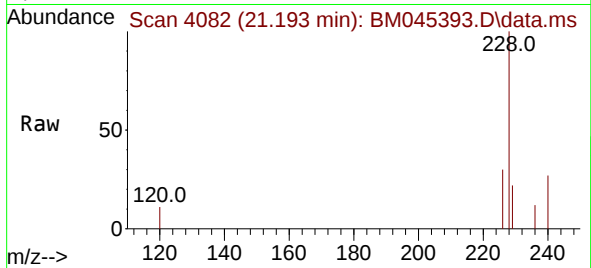
Tgt Ion:202 Resp: 3619
Ion Ratio Lower Upper
202 100
101 14.9 9.8 14.6#
100 12.4 8.1 12.1#



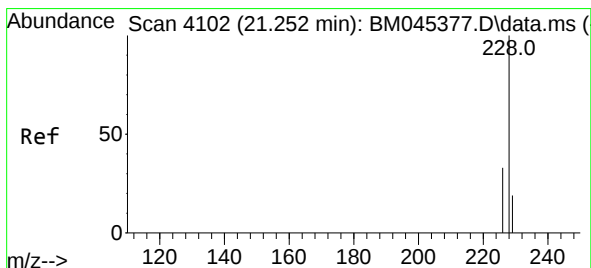
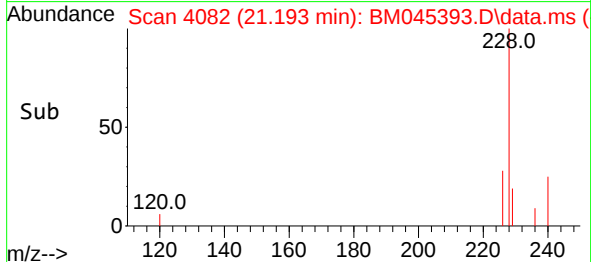
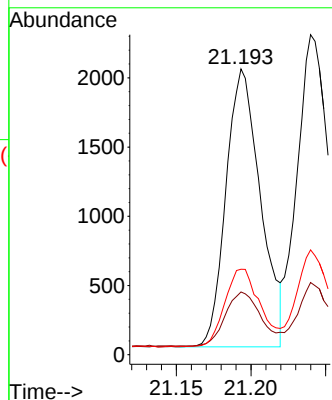


#21
Benzo(a)anthracene
Concen: 0.427 ng/ul
RT: 21.193 min Scan# 4082
Delta R.T. -0.017 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

Instrument :
BNA_M
ClientSampleId :
E0MG3MSD

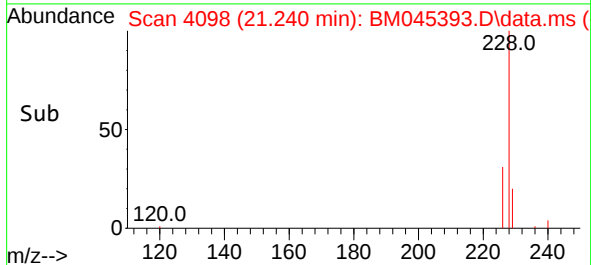
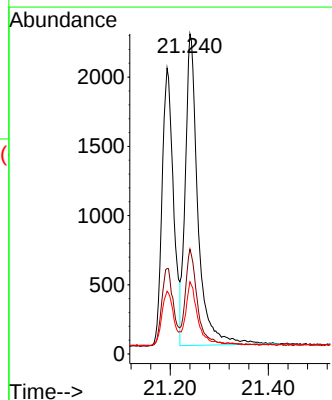
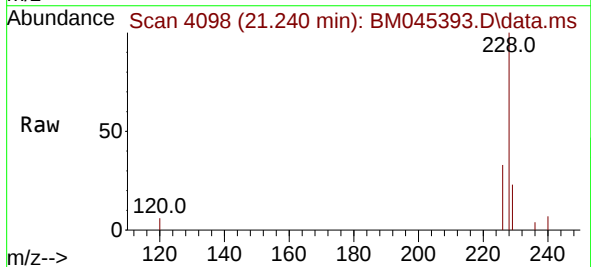


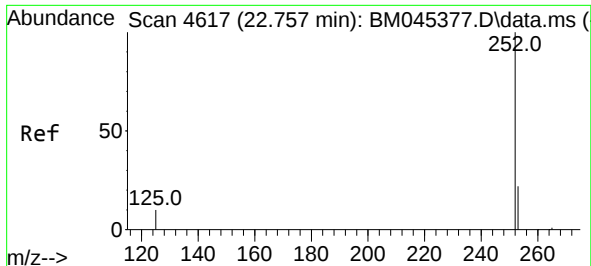
Tgt Ion:228 Resp: 3235
Ion Ratio Lower Upper
228 100
229 22.0 16.4 24.6
226 29.9 22.3 33.5



#22
Chrysene
Concen: 0.424 ng/ul
RT: 21.240 min Scan# 4098
Delta R.T. -0.015 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

Tgt Ion:228 Resp: 4011
Ion Ratio Lower Upper
228 100
226 32.8 24.9 37.3
229 22.6 15.9 23.9

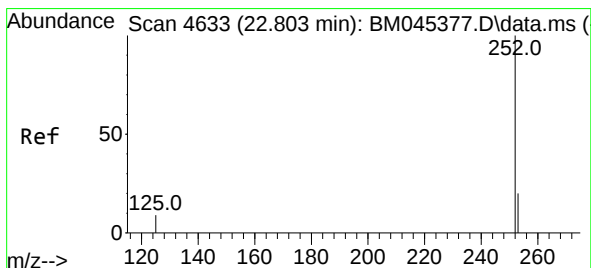
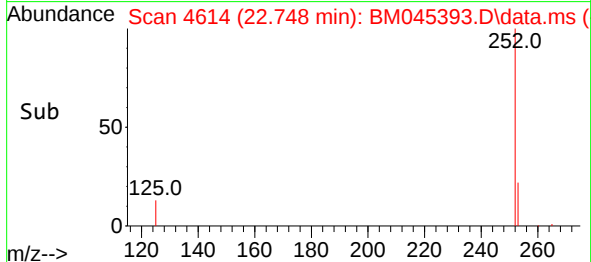
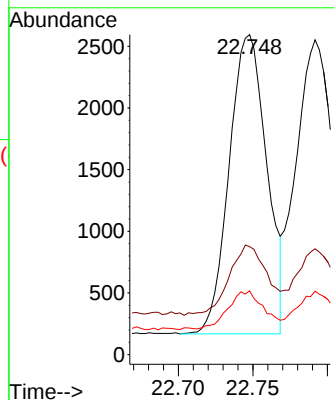
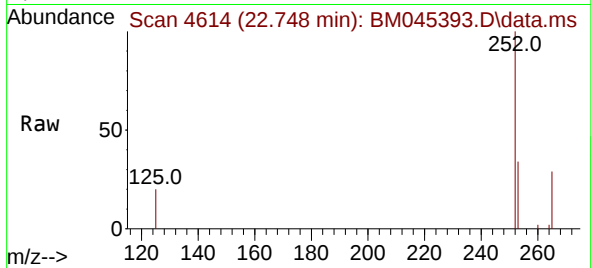




#24
Benzo(b)fluoranthene
Concen: 0.398 ng/ul
RT: 22.748 min Scan# 4614
Delta R.T. -0.015 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

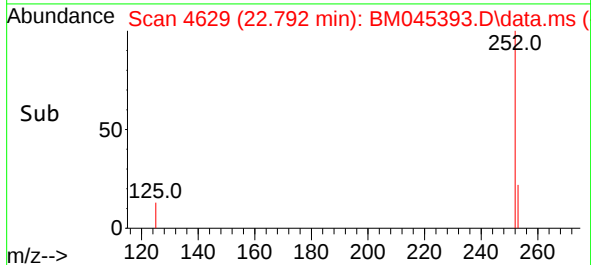
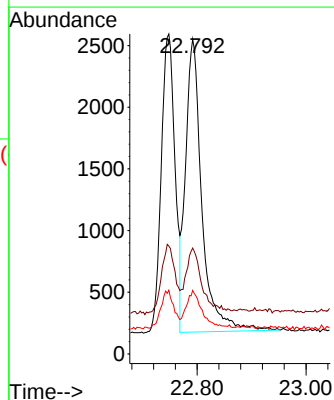
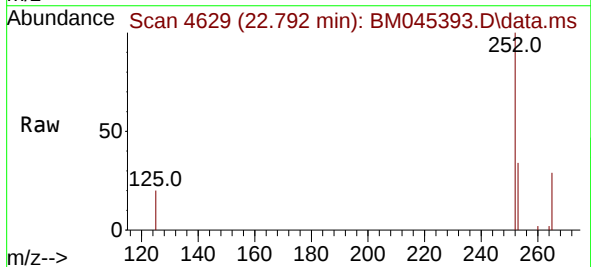
Instrument :
BNA_M
ClientSampleId :
E0MG3MSD

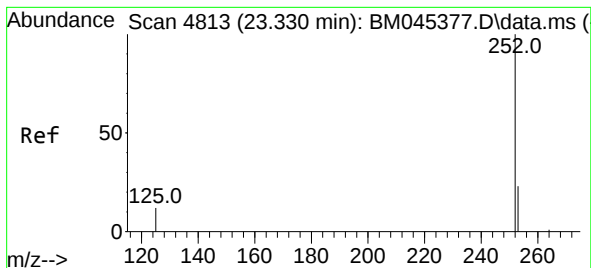
Tgt Ion:252 Resp: 4253
Ion Ratio Lower Upper
252 100
253 33.8 0.0 56.4
125 20.0 0.0 33.4



#25
Benzo(k)fluoranthene
Concen: 0.414 ng/ul
RT: 22.792 min Scan# 4629
Delta R.T. -0.015 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

Tgt Ion:252 Resp: 4951
Ion Ratio Lower Upper
252 100
253 33.7 22.3 33.5#
125 20.2 11.6 17.4#





#26

Benzo(a)pyrene

Concen: 0.405 ng/ul

RT: 23.312 min Scan# 41

Delta R.T. -0.020 min

Lab File: BM045393.D

Acq: 19 Apr 2024 15:01

Instrument :

BNA_M

ClientSampleId :

E0MG3MSD

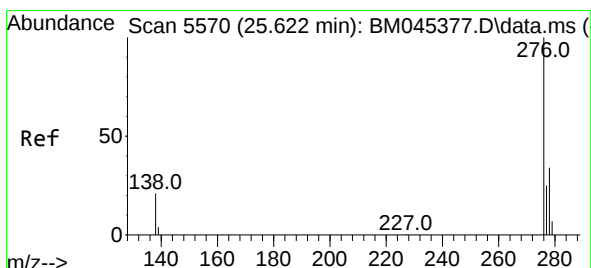
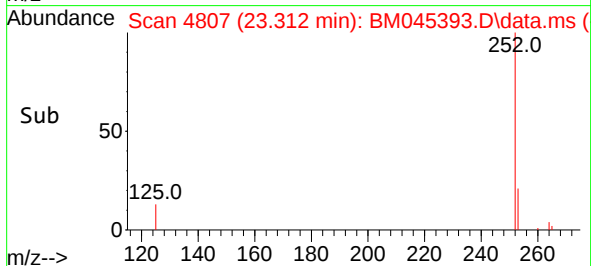
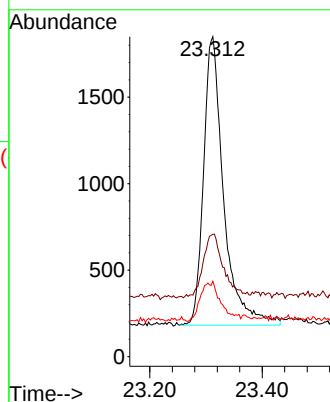
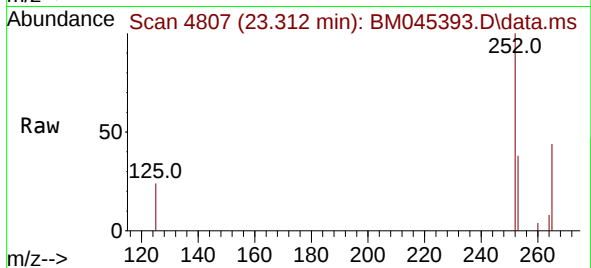
Tgt Ion:252 Resp: 4138

Ion Ratio Lower Upper

252 100

253 38.2 24.6 37.0#

125 23.5 18.2 27.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.425 ng/ul

RT: 25.612 min Scan# 5567

Delta R.T. -0.020 min

Lab File: BM045393.D

Acq: 19 Apr 2024 15:01

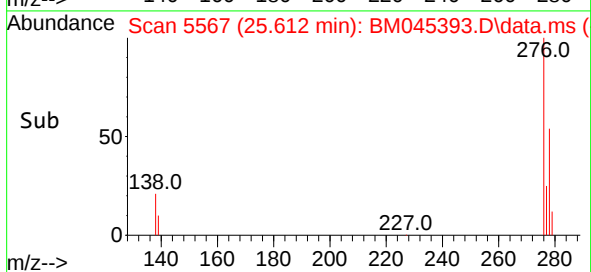
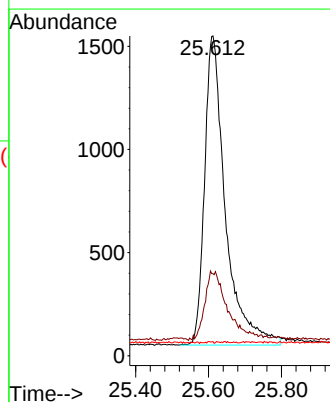
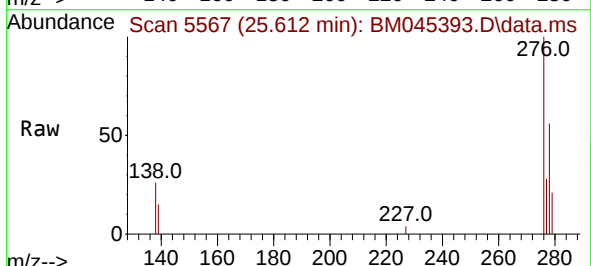
Tgt Ion:276 Resp: 5950

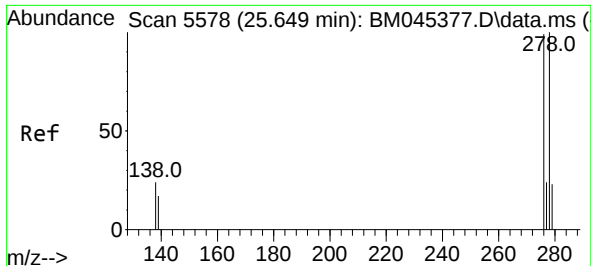
Ion Ratio Lower Upper

276 100

138 25.0 0.0 0.0#

227 0.2 0.1 0.1#

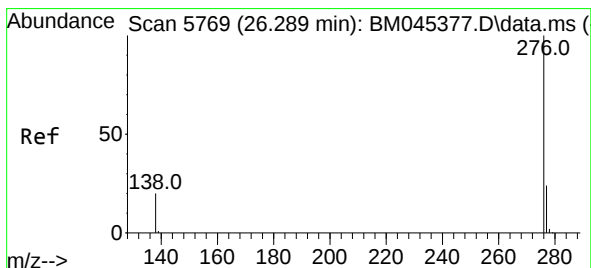
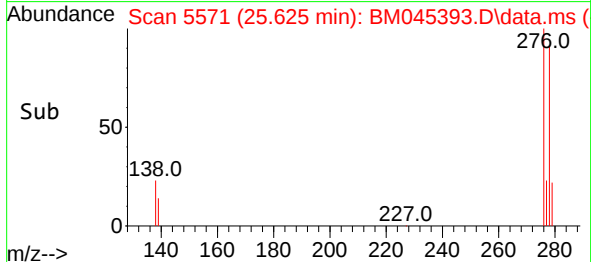
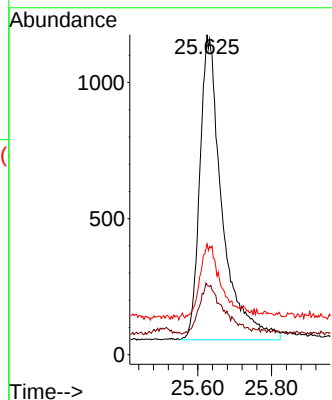
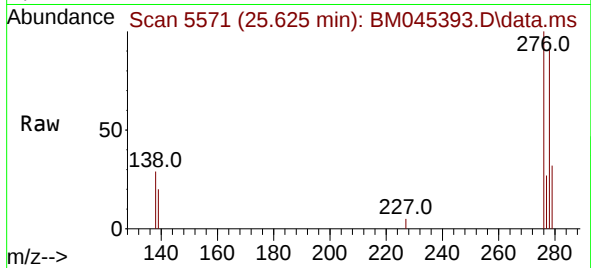




#28
Dibenzo(a,h)anthracene
Concen: 0.423 ng/ul
RT: 25.625 min Scan# 51
Delta R.T. -0.034 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

Instrument :
BNA_M
ClientSampleId :
E0MG3MSD

Tgt Ion:278 Resp: 4691
Ion Ratio Lower Upper
278 100
139 21.8 13.6 20.4#
279 34.6 23.0 34.4#



#29
Benzo(g,h,i)perylene
Concen: 0.426 ng/ul
RT: 26.279 min Scan# 5766
Delta R.T. -0.023 min
Lab File: BM045393.D
Acq: 19 Apr 2024 15:01

Tgt Ion:276 Resp: 5134
Ion Ratio Lower Upper
276 100
138 25.5 16.8 25.2#
277 26.7 20.3 30.5

