

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042224\
 Data File : BM045512.D
 Acq On : 23 Apr 2024 13:51
 Operator : MA/JU
 Sample : PB160222BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS222

Quant Time: Apr 24 04:50:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 04:47:50 2024
 Response via : Initial Calibration

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

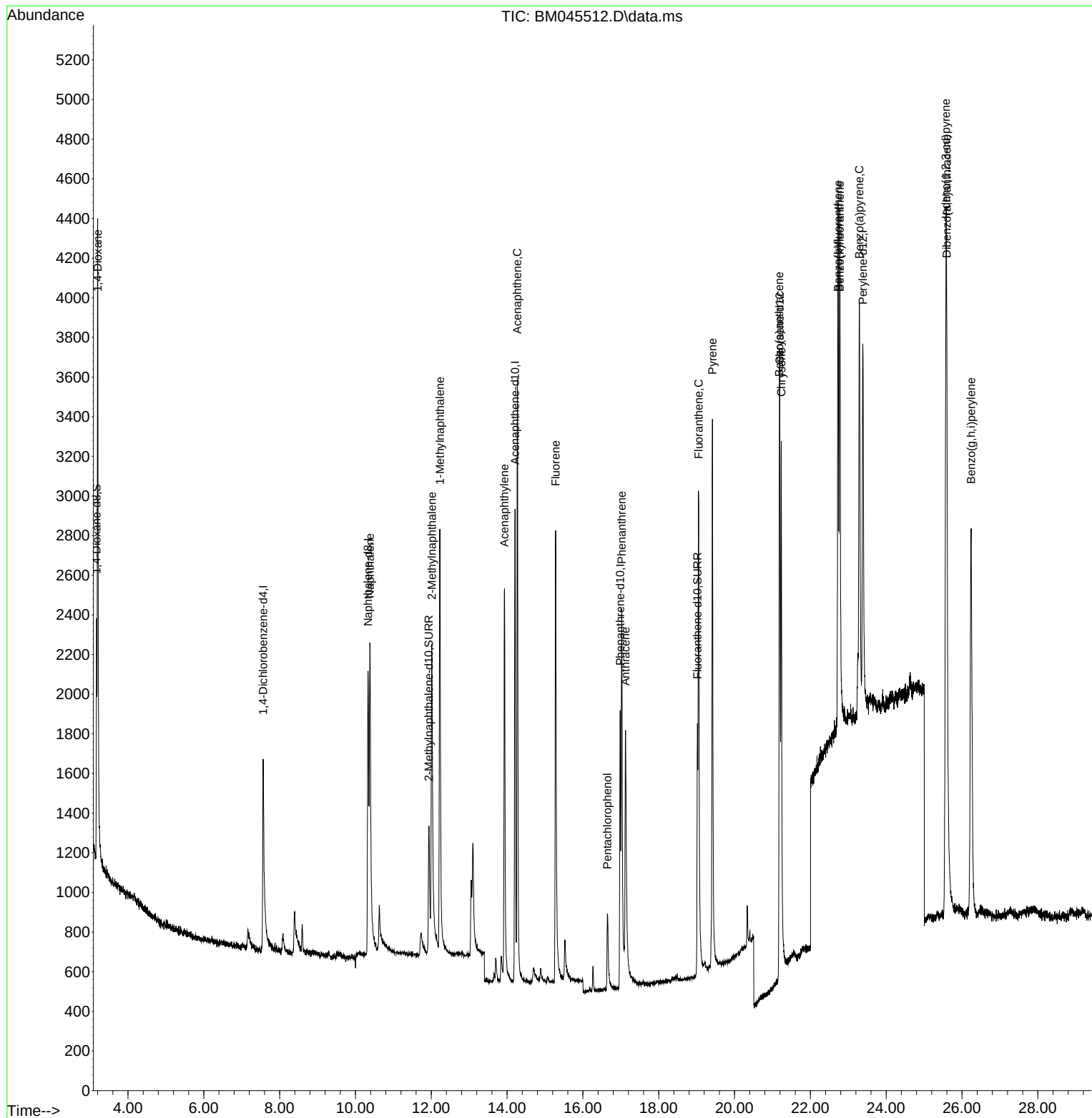
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	955	0.400	ng/ul	0.00
4) Naphthalene-d8	10.331	136	3142	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.210	164	1545	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.984	188	2409	0.400	ng/ul	0.00
17) Chrysene-d12	21.193	240	1793	0.400	ng/ul	0.00
23) Perylene-d12	23.385	264	2782	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.171	96	802	0.627	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.936	152	1498	0.362	ng/ul	-0.02
18) Fluoranthene-d10	19.020	212	1960	0.347	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.201	88	2343	1.903	ng/ul#	87
5) Naphthalene	10.380	128	3081	0.365	ng/ul	95
7) 2-Methylnaphthalene	12.013	142	1820	0.378	ng/ul	97
8) 1-Methylnaphthalene	12.228	142	1921	0.355	ng/ul	100
10) Acenaphthylene	13.927	152	3054	0.401	ng/ul	98
11) Acenaphthene	14.270	153	2119	0.374	ng/ul	99
12) Fluorene	15.278	166	2099	0.347	ng/ul	98
14) Pentachlorophenol	16.646	266	428	0.891	ng/ul	92
15) Phenanthrene	17.022	178	2646	0.377	ng/ul	99
16) Anthracene	17.123	178	2648	0.403	ng/ul	98
19) Fluoranthene	19.052	202	2864	0.346	ng/ul	95
20) Pyrene	19.415	202	3002	0.353	ng/ul	96
21) Benzo(a)anthracene	21.182	228	2580	0.450	ng/ul	97
22) Chrysene	21.231	228	3177	0.361	ng/ul	98
24) Benzo(b)fluoranthene	22.730	252	3534	0.378	ng/ul	90
25) Benzo(k)fluoranthene	22.774	252	4038	0.342	ng/ul#	91
26) Benzo(a)pyrene	23.292	252	3713	0.383	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.575	276	5488	0.389	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.595	278	4195	0.375	ng/ul	100
29) Benzo(g,h,i)perylene	26.239	276	4534	0.358	ng/ul	97

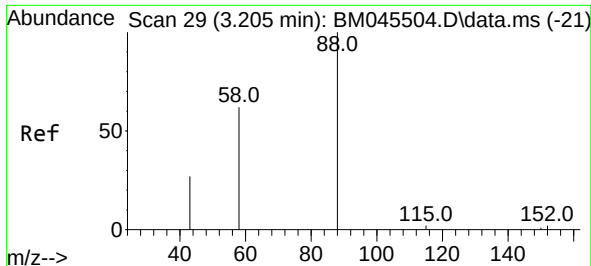
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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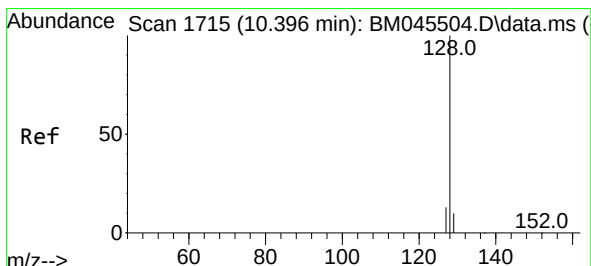
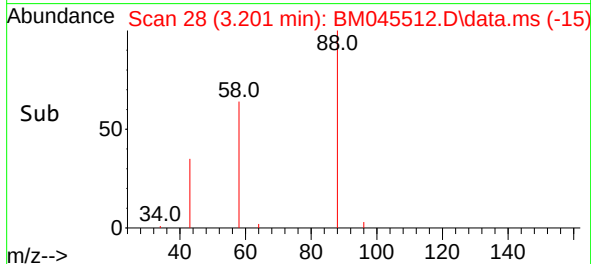
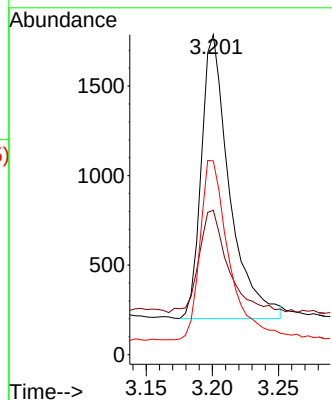
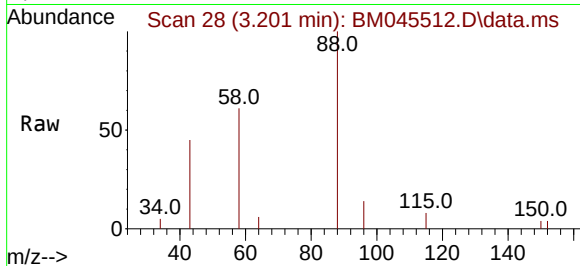




#2
 1,4-Dioxane
 Concen: 1.903 ng/ul
 RT: 3.201 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BM045512.D
 Acq: 23 Apr 2024 13:51

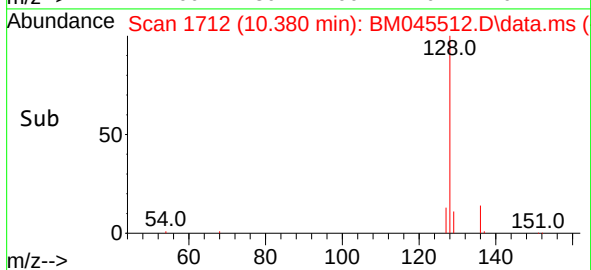
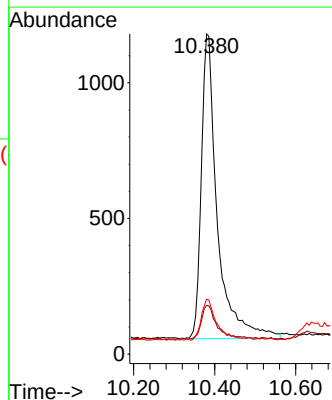
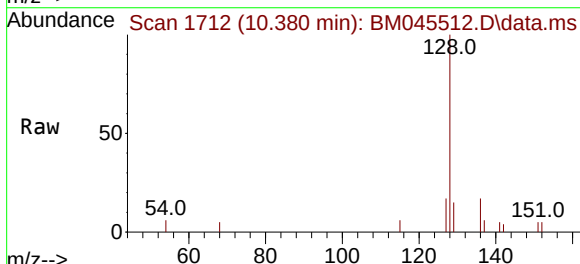
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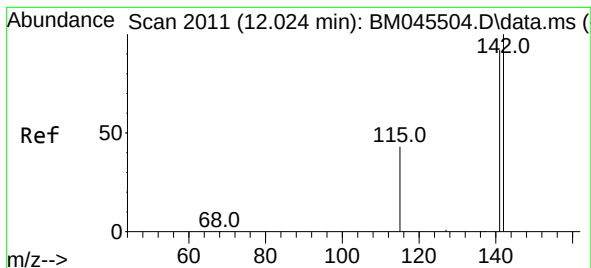
Tgt Ion: 88 Resp: 2343
 Ion Ratio Lower Upper
 88 100
 43 45.2 36.8 55.2
 58 60.5 35.4 53.2#



#5
 Naphthalene
 Concen: 0.365 ng/ul
 RT: 10.380 min Scan# 1712
 Delta R.T. -0.016 min
 Lab File: BM045512.D
 Acq: 23 Apr 2024 13:51

Tgt Ion: 128 Resp: 3081
 Ion Ratio Lower Upper
 128 100
 129 15.2 14.0 21.0
 127 17.1 15.4 23.2





#7

2-Methylnaphthalene

Concen: 0.378 ng/ul

RT: 12.013 min Scan# 2011

Delta R.T. -0.011 min

Lab File: BM045512.D

Acq: 23 Apr 2024 13:51

Instrument :

BNA_M

ClientSampleId :

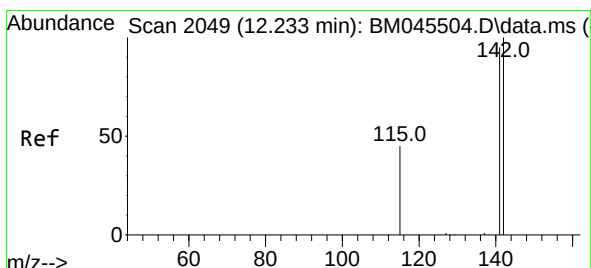
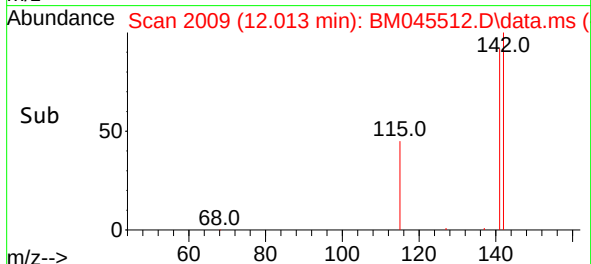
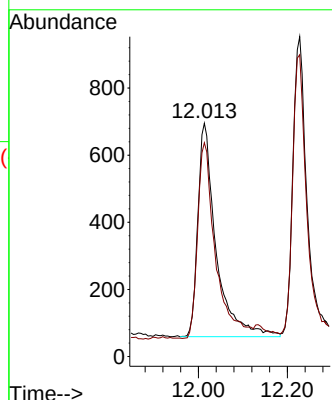
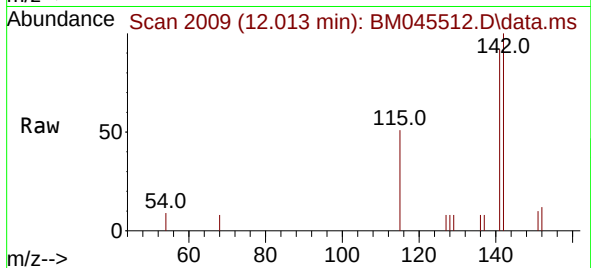
SLCS222

Tgt Ion:142 Resp: 1820

Ion Ratio Lower Upper

142 100

141 90.0 74.6 111.8



#8

1-Methylnaphthalene

Concen: 0.355 ng/ul

RT: 12.228 min Scan# 2048

Delta R.T. -0.005 min

Lab File: BM045512.D

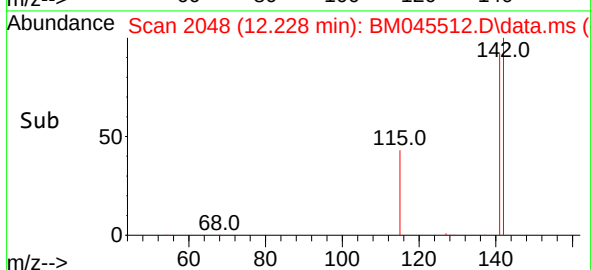
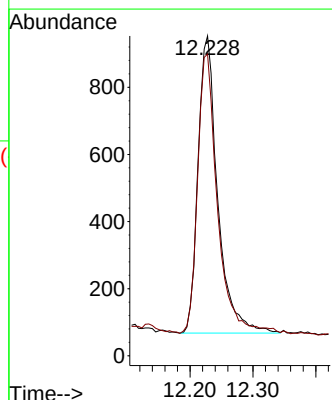
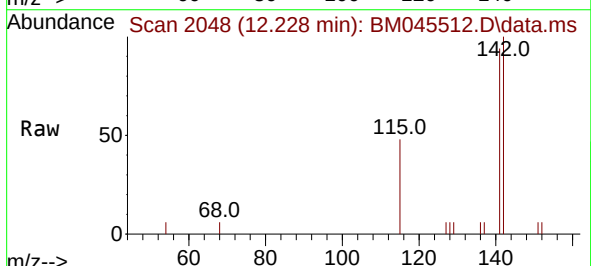
Acq: 23 Apr 2024 13:51

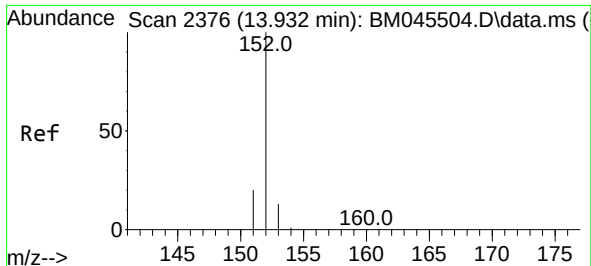
Tgt Ion:142 Resp: 1921

Ion Ratio Lower Upper

142 100

141 95.0 76.1 114.1

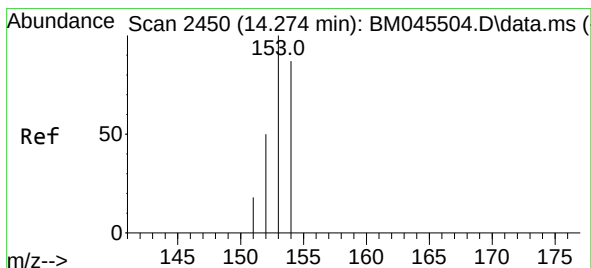
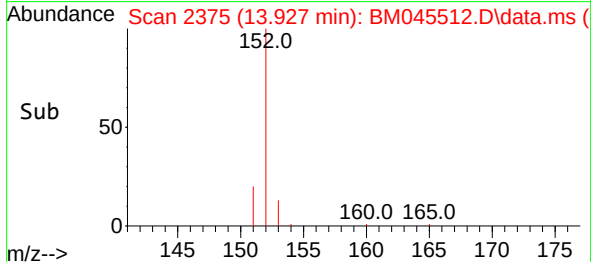
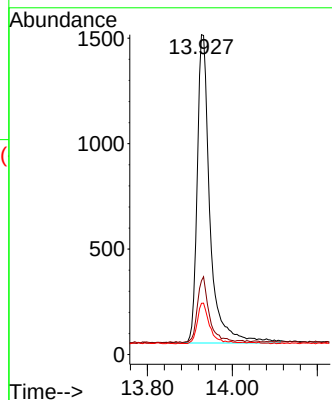
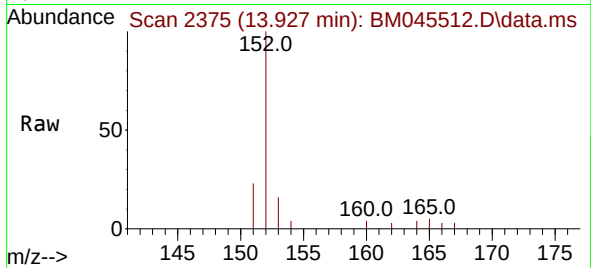




#10
Acenaphthylene
Concen: 0.401 ng/ul
RT: 13.927 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

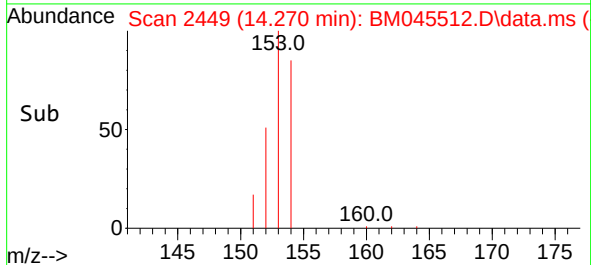
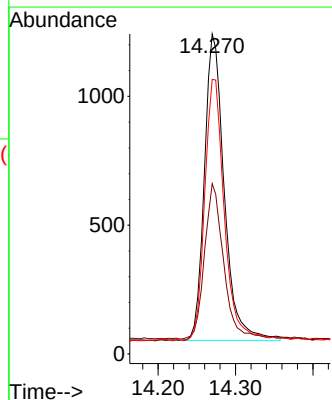
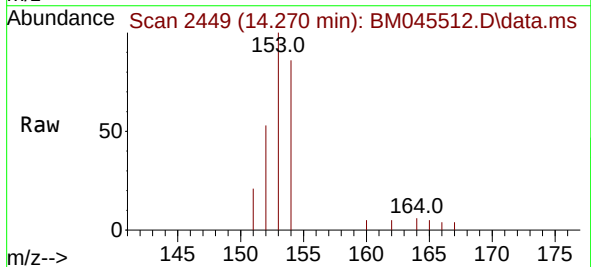
Instrument :
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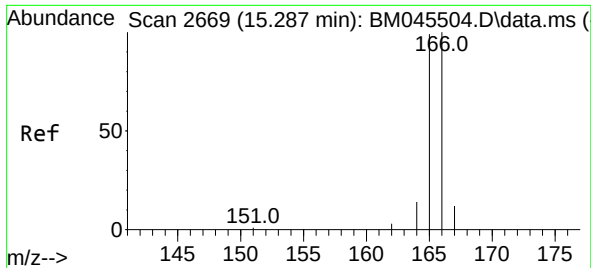
Tgt Ion:152 Resp: 3054
Ion Ratio Lower Upper
152 100
151 23.1 18.6 28.0
153 16.0 14.1 21.1



#11
Acenaphthene
Concen: 0.374 ng/ul
RT: 14.270 min Scan# 2449
Delta R.T. -0.004 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

Tgt Ion:153 Resp: 2119
Ion Ratio Lower Upper
153 100
152 53.2 43.4 65.2
154 85.8 69.0 103.6

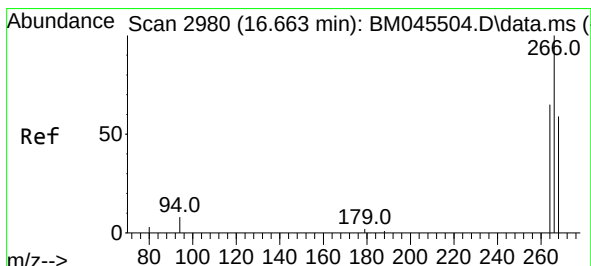
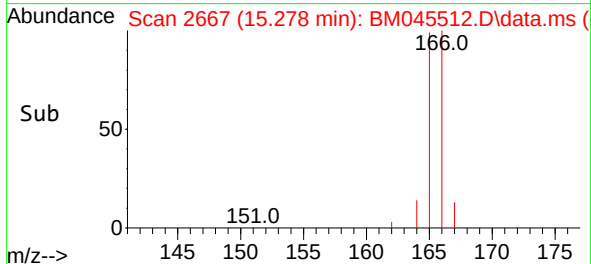
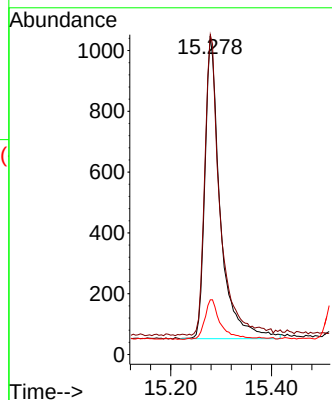
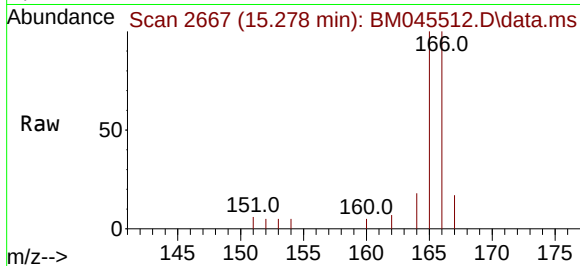




#12
 Fluorene
 Concen: 0.347 ng/ul
 RT: 15.278 min Scan# 2099
 Delta R.T. -0.009 min
 Lab File: BM045512.D
 Acq: 23 Apr 2024 13:51

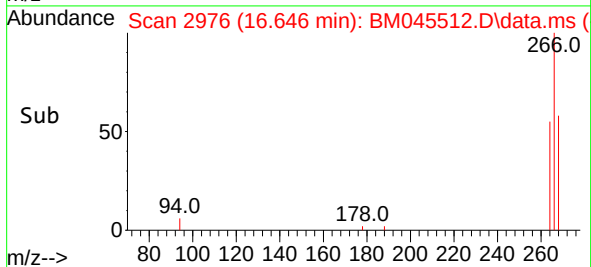
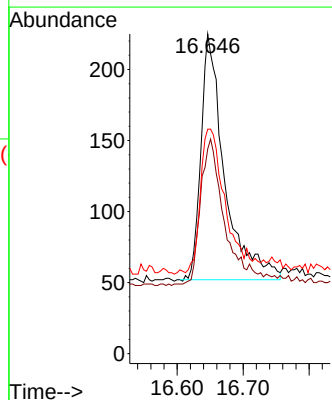
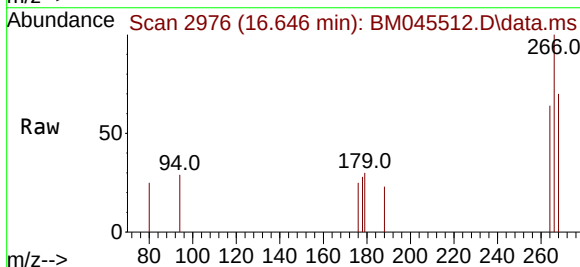
Instrument :
 BNA_M
 ClientSampleId :
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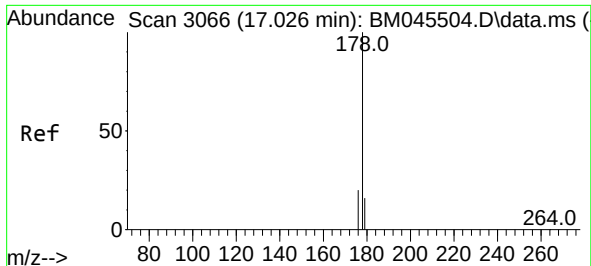
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	82.2	123.2
167	17.2	14.8	22.2



#14
 Pentachlorophenol
 Concen: 0.891 ng/ul
 RT: 16.646 min Scan# 2976
 Delta R.T. -0.017 min
 Lab File: BM045512.D
 Acq: 23 Apr 2024 13:51

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.1	45.5	68.3
268	66.4	56.1	84.1

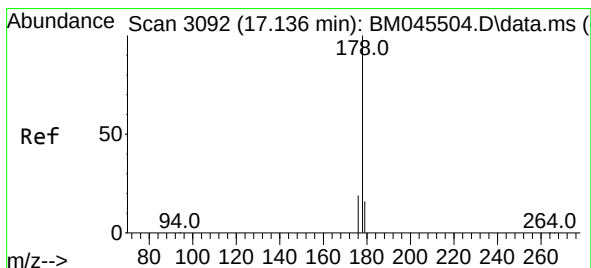
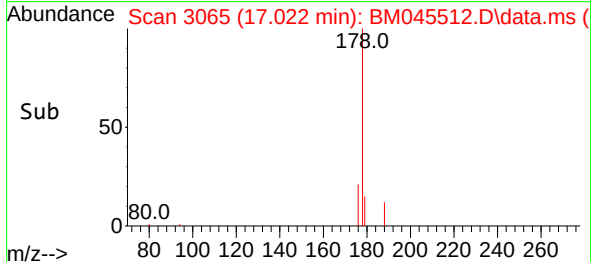
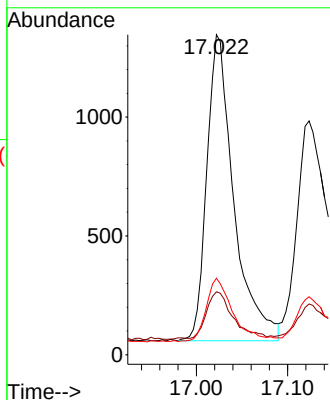
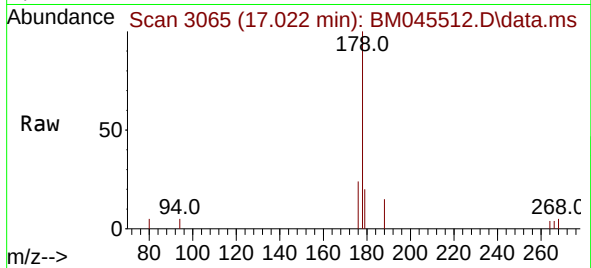




#15
Phenanthrene
Concen: 0.377 ng/ul
RT: 17.022 min Scan# 3066
Delta R.T. -0.004 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

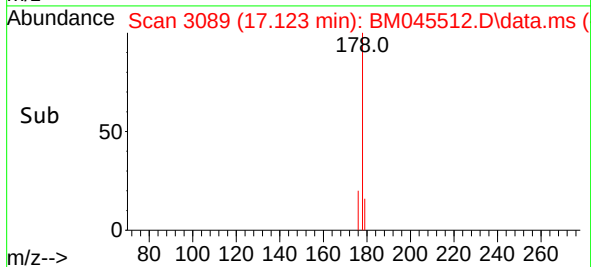
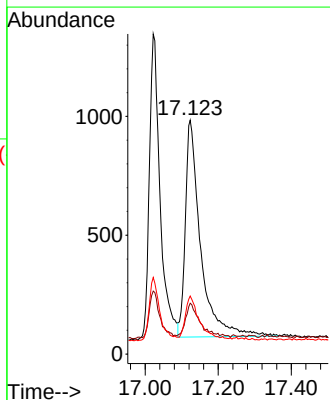
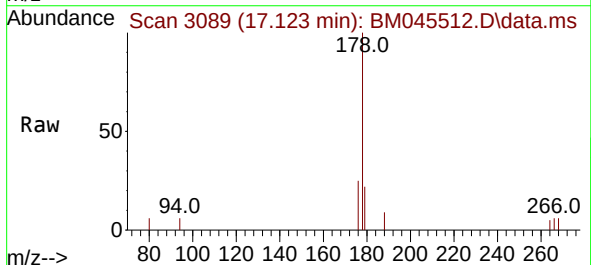
Instrument :
BNA_M
ClientSampleId :
SLCS222

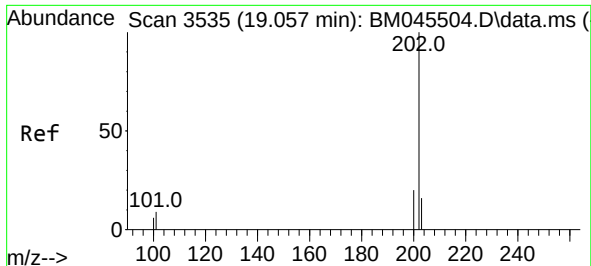
Tgt Ion:178	Resp:	2646
Ion Ratio	Lower	Upper
178	100	
179	19.7	15.4 23.2
176	23.9	19.0 28.4



#16
Anthracene
Concen: 0.403 ng/ul
RT: 17.123 min Scan# 3089
Delta R.T. -0.012 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

Tgt Ion:178	Resp:	2648
Ion Ratio	Lower	Upper
178	100	
179	21.7	17.8 26.6
176	24.8	18.7 28.1

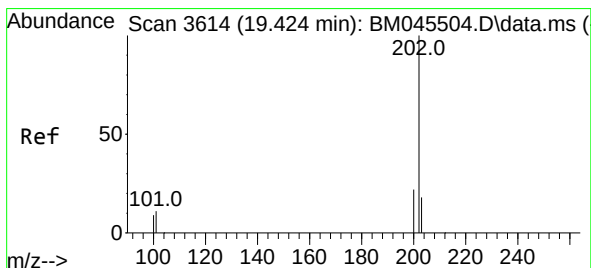
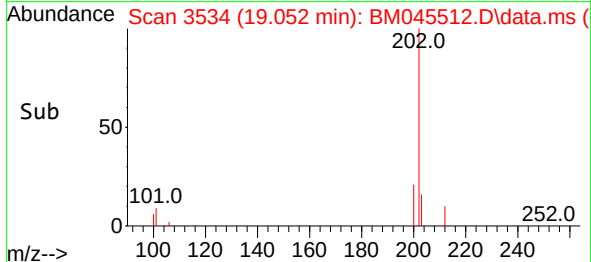
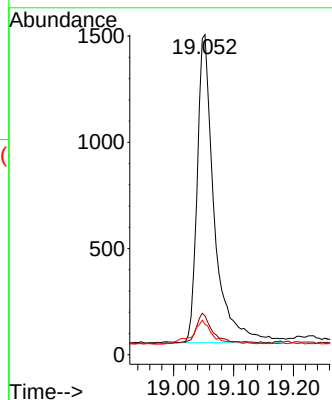
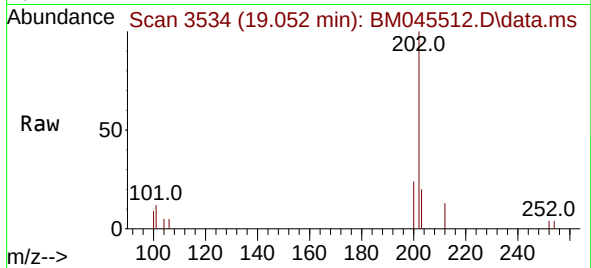




#19
Fluoranthene
Concen: 0.346 ng/ul
RT: 19.052 min Scan# 31
Delta R.T. -0.004 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

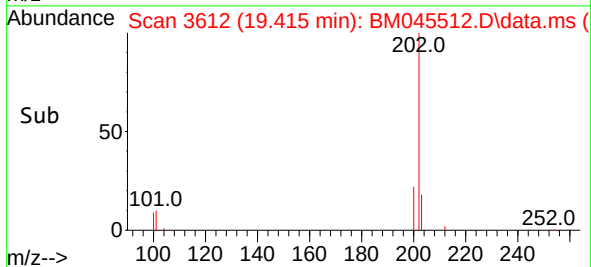
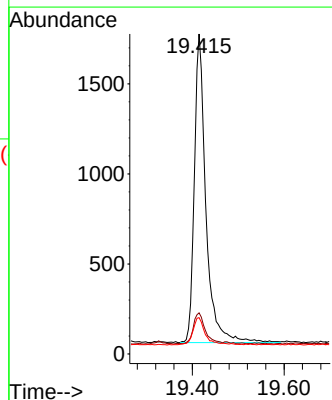
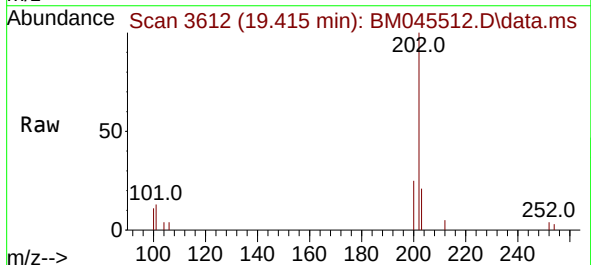
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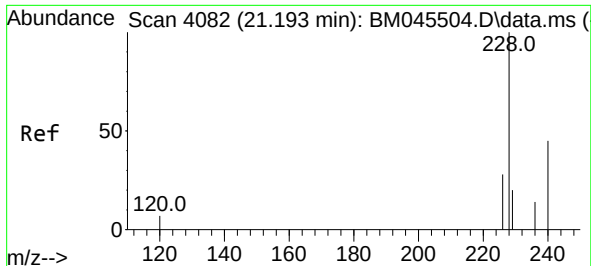
Tgt Ion:202 Resp: 2864
Ion Ratio Lower Upper
202 100
101 12.1 11.2 16.8
100 9.5 9.1 13.7



#20
Pyrene
Concen: 0.353 ng/ul
RT: 19.415 min Scan# 3612
Delta R.T. -0.009 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

Tgt Ion:202 Resp: 3002
Ion Ratio Lower Upper
202 100
101 12.9 11.5 17.3
100 11.4 10.6 15.8

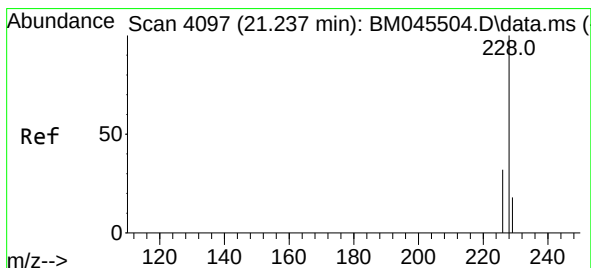
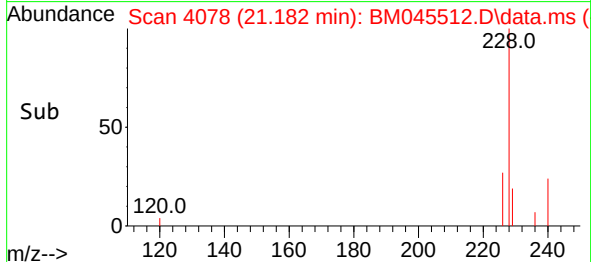
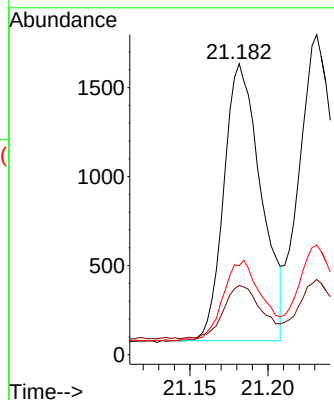
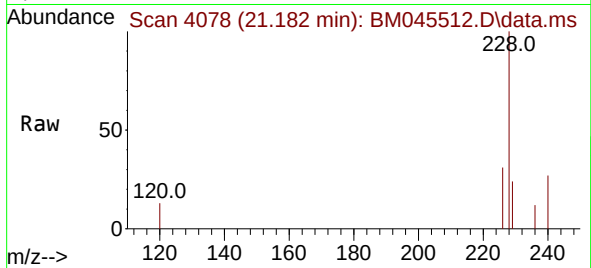




#21
Benzo(a)anthracene
Concen: 0.450 ng/ul
RT: 21.182 min Scan# 4082
Delta R.T. -0.012 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

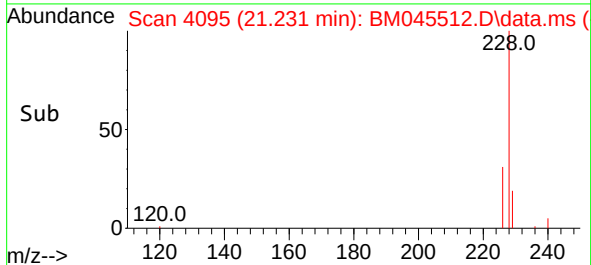
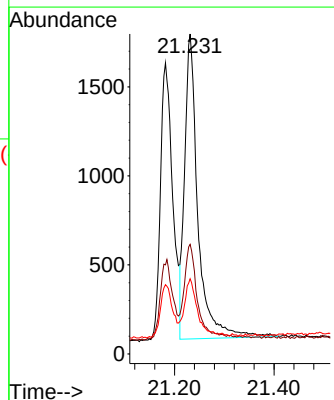
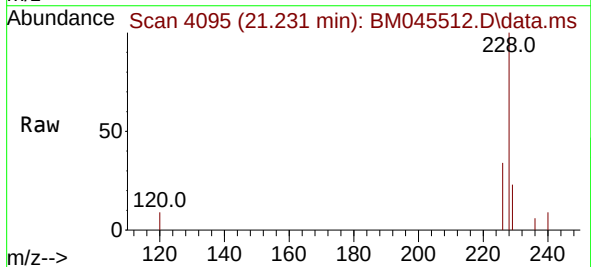
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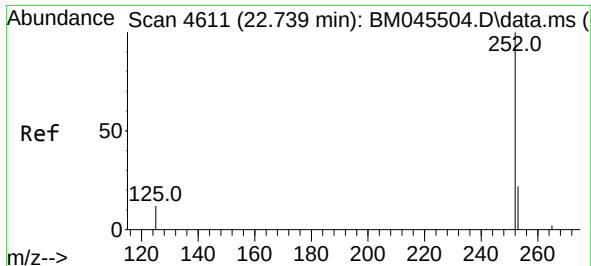
Tgt Ion:228 Resp: 2580
Ion Ratio Lower Upper
228 100
229 23.8 19.4 29.2
226 30.6 26.3 39.5



#22
Chrysene
Concen: 0.361 ng/ul
RT: 21.231 min Scan# 4095
Delta R.T. -0.006 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

Tgt Ion:228 Resp: 3177
Ion Ratio Lower Upper
228 100
226 34.2 26.3 39.5
229 23.5 17.8 26.8

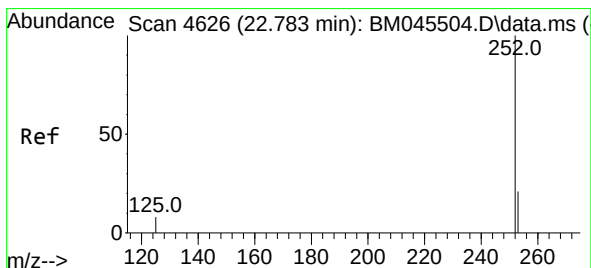
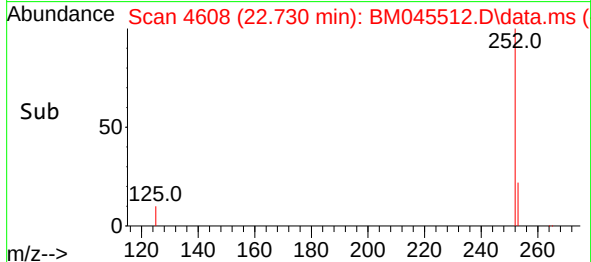
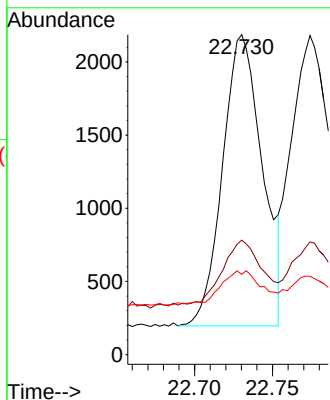
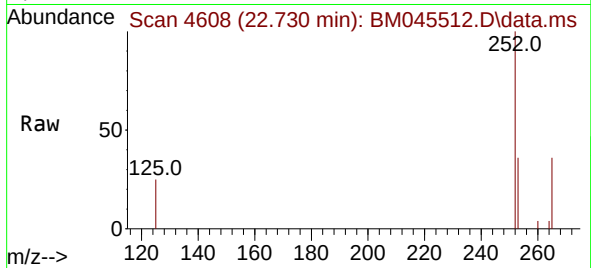




#24
Benzo(b)fluoranthene
Concen: 0.378 ng/ul
RT: 22.730 min Scan# 4611
Delta R.T. -0.009 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

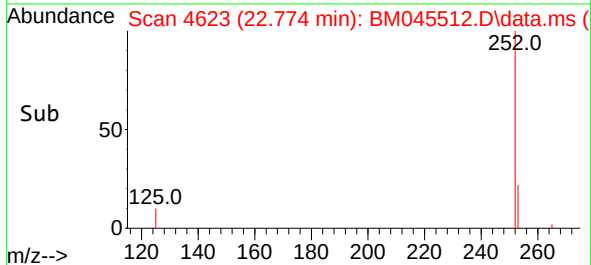
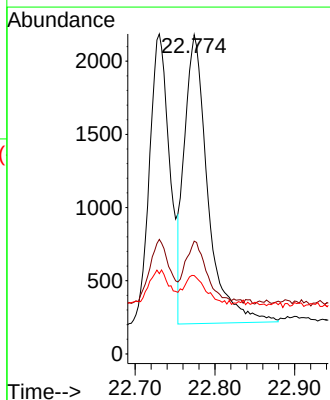
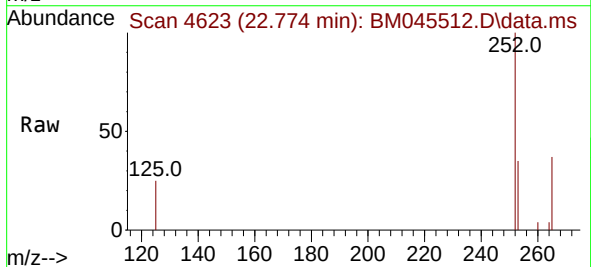
Instrument :
BNA_M
ClientSampleId :
SLCS222

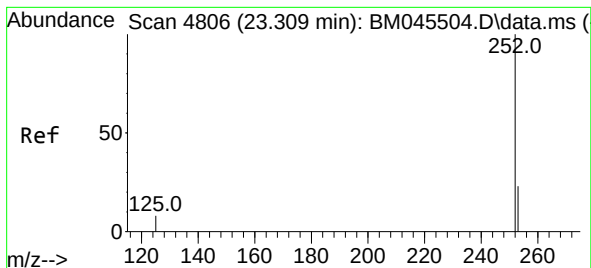
Tgt Ion:252 Resp: 3534
Ion Ratio Lower Upper
252 100
253 35.8 0.0 63.4
125 25.1 0.0 36.8



#25
Benzo(k)fluoranthene
Concen: 0.342 ng/ul
RT: 22.774 min Scan# 4623
Delta R.T. -0.009 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

Tgt Ion:252 Resp: 4038
Ion Ratio Lower Upper
252 100
253 35.3 25.4 38.0
125 24.5 14.8 22.2#





#26

Benzo(a)pyrene

Concen: 0.383 ng/ul

RT: 23.292 min Scan# 4800

Delta R.T. -0.017 min

Lab File: BM045512.D

Acq: 23 Apr 2024 13:51

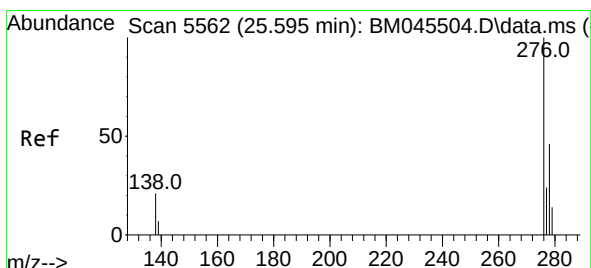
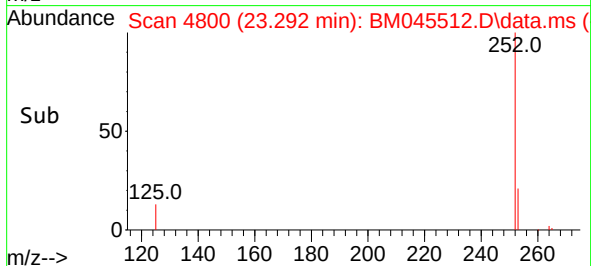
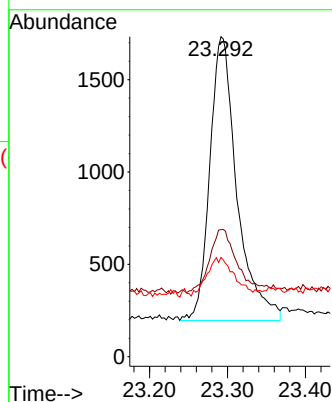
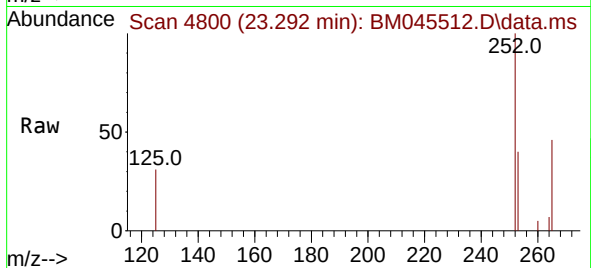
Instrument :

BNA_M

ClientSampleId :

SLCS222

Tgt Ion:	252	Resp:	3713
Ion Ratio	Lower	Upper	
252	100		
253	39.7	31.6	47.4
125	31.0	19.5	29.3



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.389 ng/ul

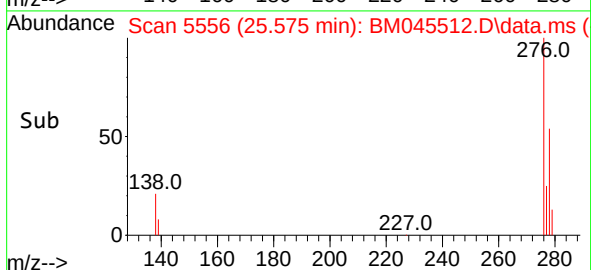
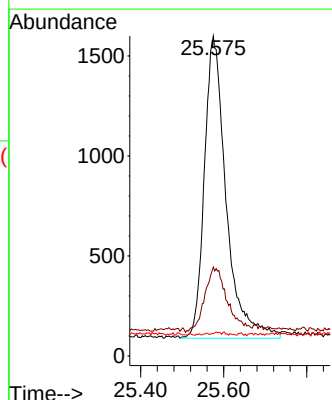
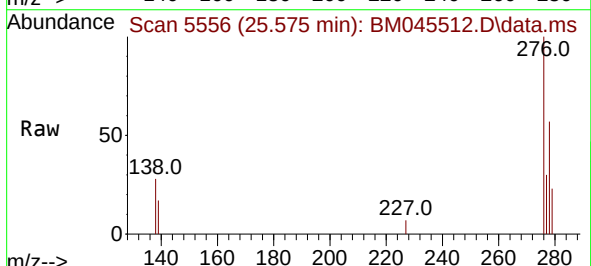
RT: 25.575 min Scan# 5556

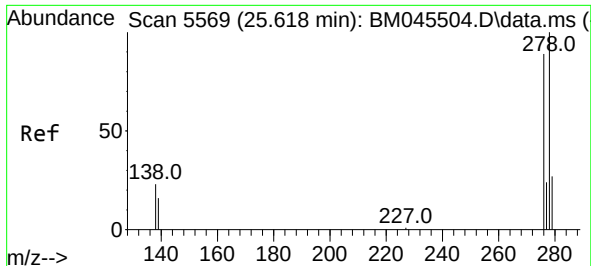
Delta R.T. -0.020 min

Lab File: BM045512.D

Acq: 23 Apr 2024 13:51

Tgt Ion:	276	Resp:	5488
Ion Ratio	Lower	Upper	
276	100		
138	22.7	19.8	29.6
227	0.3	0.2	0.2



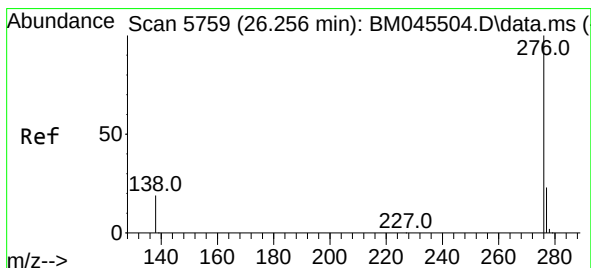
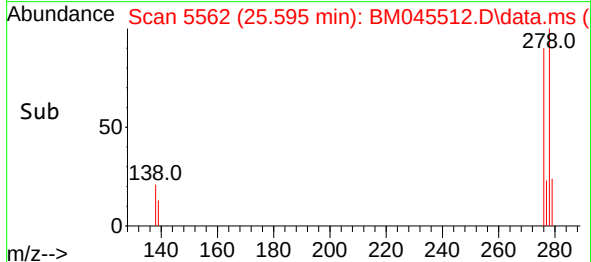
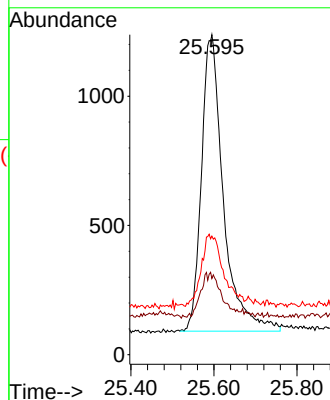
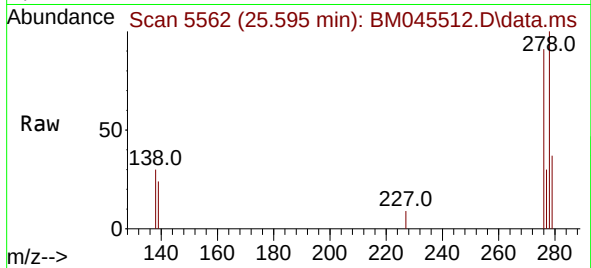


#28
Dibenzo(a,h)anthracene
Concen: 0.375 ng/ul
RT: 25.595 min Scan# 51
Delta R.T. -0.023 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

Instrument :
BNA_M
ClientSampleId :
SLCS222

Tgt Ion:278 Resp: 4195

Ion	Ratio	Lower	Upper
278	100		
139	23.8	19.0	28.6
279	37.1	29.4	44.2



#29
Benzo(g,h,i)perylene
Concen: 0.358 ng/ul
RT: 26.239 min Scan# 5754
Delta R.T. -0.017 min
Lab File: BM045512.D
Acq: 23 Apr 2024 13:51

Tgt Ion:276 Resp: 4534

Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.8	31.2
277	29.0	21.8	32.8

