

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120922\
 Data File : BM037920.D
 Acq On : 09 Dec 2022 17:07
 Operator : CG/JU
 Sample : N5896-11 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXM9

Quant Time: Dec 09 21:49:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 09 21:34:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	245818	20.000	ng/ul	0.00
20) Naphthalene-d8	10.904	136	1050239	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.710	164	654419	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.457	188	1449546	20.000	ng/ul	0.00
79) Chrysene-d12	21.627	240	1072789	20.000	ng/ul	0.00
88) Perylene-d12	24.109	264	1048015	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.423	96	2306	0.426	ng/uL	0.00
4) Pyridine-d5	3.858	84	247	0.015	ng/ul	0.00
7) Phenol-d5	7.234	99	42516	2.128	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.405	67	26888	2.211	ng/ul	0.00
11) 2-Chlorophenol-d4	7.611	132	36434	2.223	ng/ul	0.00
15) 4-Methylphenol-d8	8.793	113	34517	2.214	ng/ul	0.00
21) Nitrobenzene-d5	9.252	128	17734	2.133	ng/ul	0.00
24) 2-Nitrophenol-d4	9.981	143	18651	2.140	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	33789	2.041	ng/ul	0.00
31) 4-Chloroaniline-d4	11.040	131	40566	1.776	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	115047	2.466	ng/ul	0.00
49) Acenaphthylene-d8	14.404	160	128838	2.259	ng/ul	0.00
54) 4-Nitrophenol-d4	14.910	143	11401	1.434	ng/ul	0.00
60) Fluorene-d10	15.698	176	105948	2.549	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	9042	1.167	ng/ul	0.00
73) Anthracene-d10	17.557	188	171109	2.529	ng/ul	0.00
81) Pyrene-d10	19.839	212	187914	2.916	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.945	264	131038	2.503	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.951	128	155566	2.745	ng/ul	98
36) 2-Methylnaphthalene	12.551	142	104456	2.842	ng/ul	95
37) 1-Methylnaphthalene	12.769	142	244035	6.492	ng/ul	100
43) 1,1'-Biphenyl	13.551	154	171781	3.266	ng/ul	99
50) Acenaphthylene	14.434	152	159560	2.545	ng/ul#	97
52) Acenaphthene	14.781	153	2967384	68.423	ng/ul	99
56) Dibenzofuran	15.110	168	2493300	42.110	ng/ul	97
61) Fluorene	15.757	166	3624592	75.064	ng/ul	100
63) 4-Nitroaniline	15.757	138	39668	4.904	ng/ul#	27
72) Phenanthrene	17.504	178	11271135	142.385	ng/ul	97
74) Anthracene	17.598	178	11992736	149.078	ng/ul	97
77) Carbazole	17.857	167	3467698	49.754	ng/ul	99
80) Fluoranthene	19.516	202	12266554	161.286	ng/ul	100
82) Pyrene	19.874	202	9545058	120.590	ng/ul	99
85) Benzo(a)anthracene	21.610	228	2300681	31.855	ng/ul	99
87) Chrysene	21.663	228	2402734	35.457	ng/ul	98
90) Benzo(b)fluoranthene	23.351	252	2130570	32.792	ng/ul	99
91) Benzo(k)fluoranthene	23.351	252	2130570	33.835	ng/ul	99
93) Benzo(a)pyrene	23.998	252	878350	15.373	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.698	276	467963	6.360	ng/ul	96
96) Benzo(g,h,i)perylene	27.503	276	342014	5.821	ng/ul	96

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

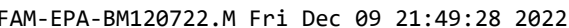
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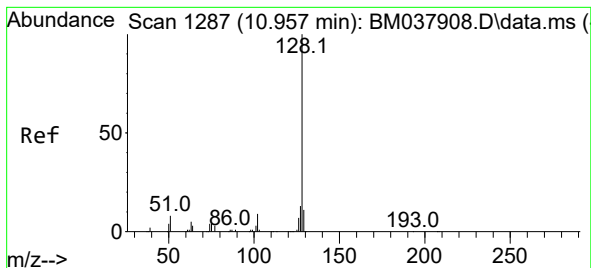
BNA_M

ClientSampleId :

DBXM9

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Quant Title : SVOA CALIBRATION
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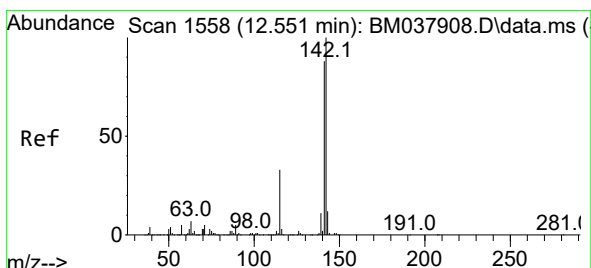
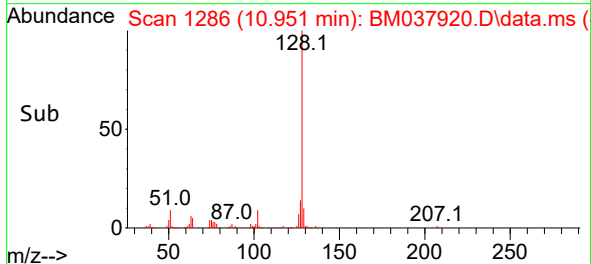
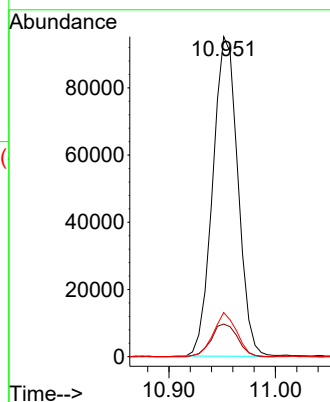
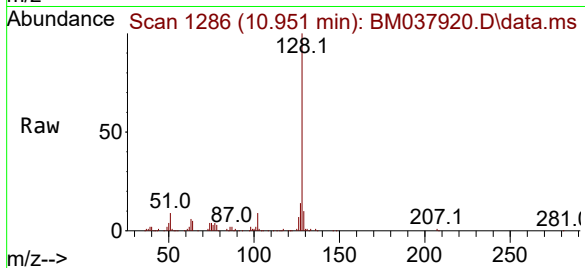




#30
Naphthalene
Concen: 2.745 ng/ul
RT: 10.951 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

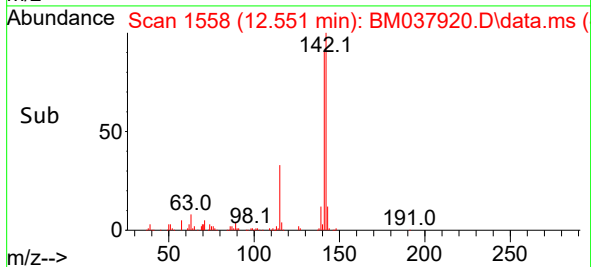
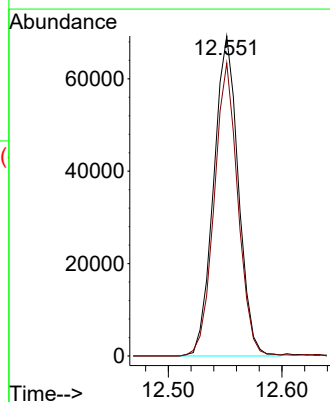
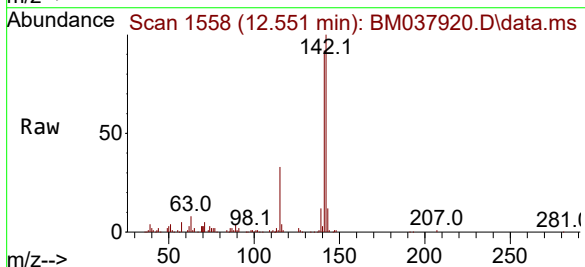
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BNA_M
ClientSampleId :
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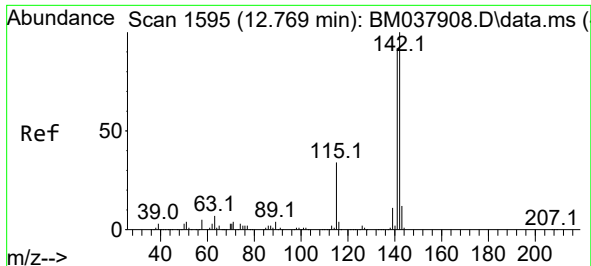
Tgt Ion:128 Resp: 155566
Ion Ratio Lower Upper
128 100
129 10.2 9.0 13.4
127 13.8 10.4 15.6



#36
2-Methylnaphthalene
Concen: 2.842 ng/ul
RT: 12.551 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

Tgt Ion:142 Resp: 104456
Ion Ratio Lower Upper
142 100
141 91.6 69.4 104.0

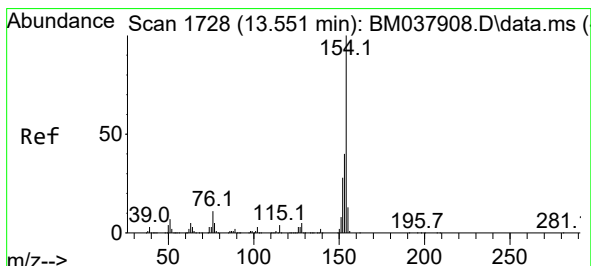
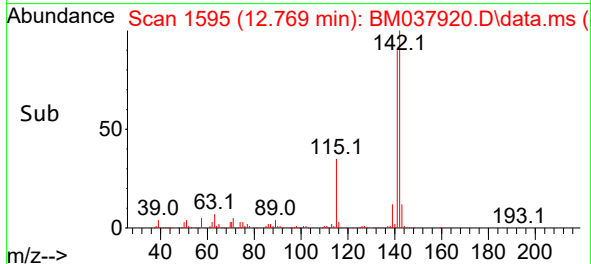
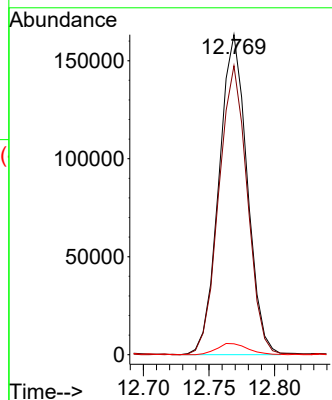
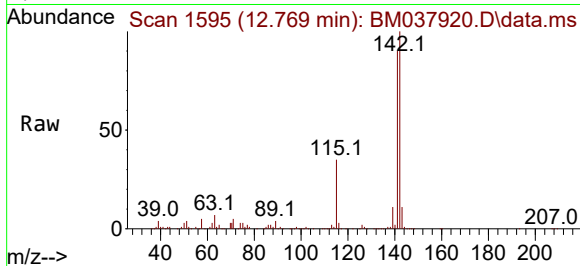




#37
1-Methylnaphthalene
Concen: 6.492 ng/ul
RT: 12.769 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

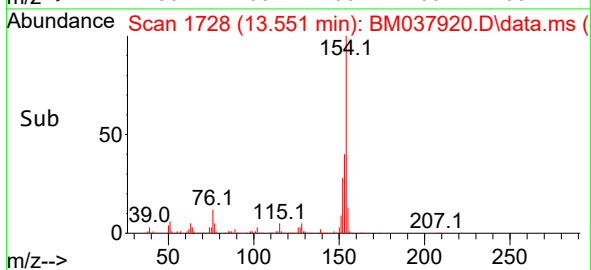
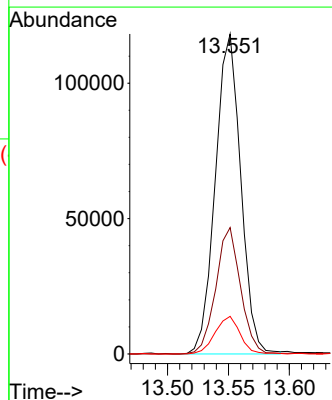
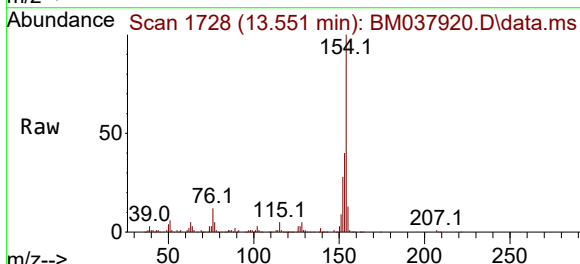
Instrument :
BNA_M
ClientSampleId :
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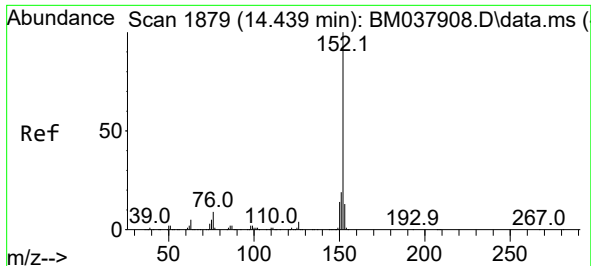
Tgt Ion:142 Resp: 244035
Ion Ratio Lower Upper
142 100
141 90.3 72.4 108.6
116 3.4 2.9 4.3



#43
1,1'-Biphenyl
Concen: 3.266 ng/ul
RT: 13.551 min Scan# 1728
Delta R.T. 0.000 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

Tgt Ion:154 Resp: 171781
Ion Ratio Lower Upper
154 100
153 39.5 31.2 46.8
76 11.8 9.3 13.9

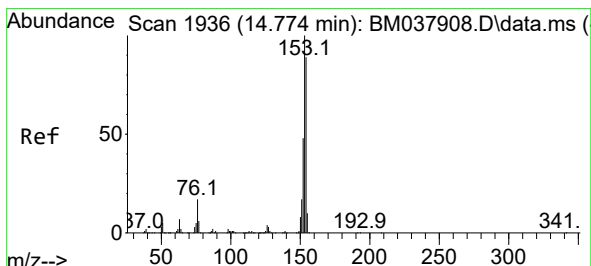
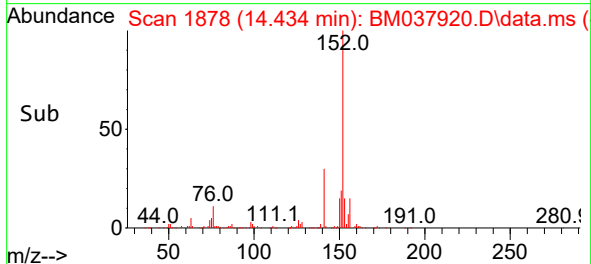
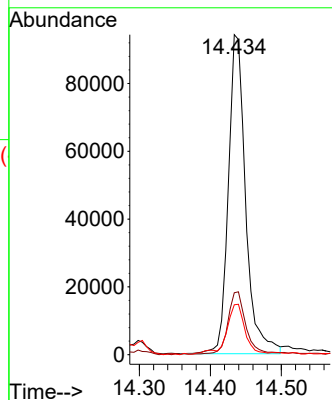
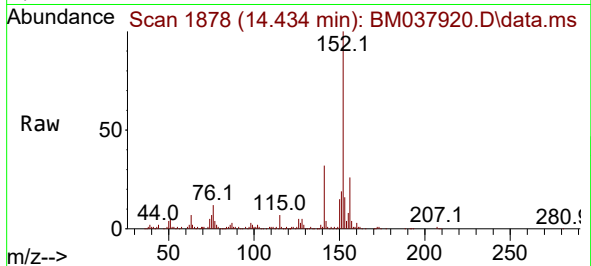




#50
Acenaphthylene
Concen: 2.545 ng/ul
RT: 14.434 min Scan# 1878
Delta R.T. -0.006 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

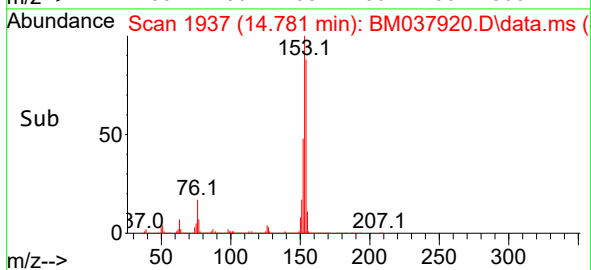
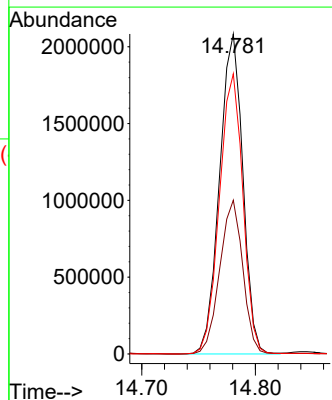
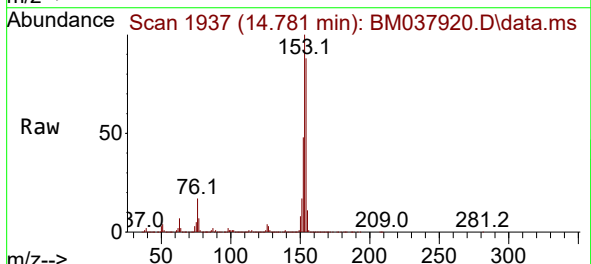
Instrument :
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ClientSampleId :
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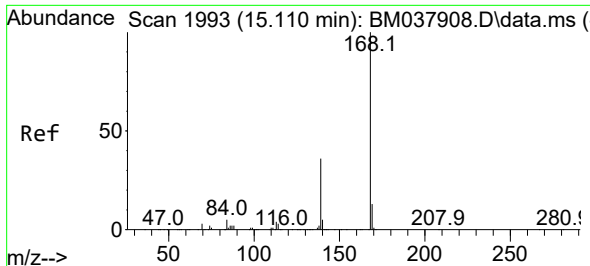
Tgt Ion:152 Resp: 159560
Ion Ratio Lower Upper
152 100
151 19.3 15.3 22.9
153 15.6 10.2 15.4#



#52
Acenaphthene
Concen: 68.423 ng/ul
RT: 14.781 min Scan# 1937
Delta R.T. 0.006 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

Tgt Ion:153 Resp: 2967384
Ion Ratio Lower Upper
153 100
152 48.1 38.2 57.4
154 87.6 71.4 107.0

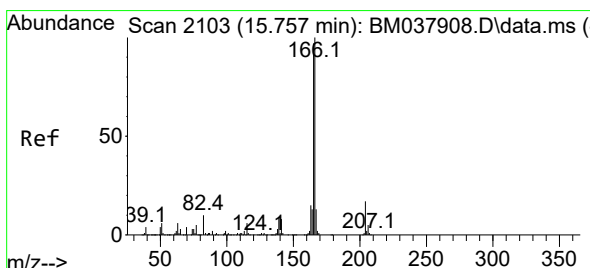
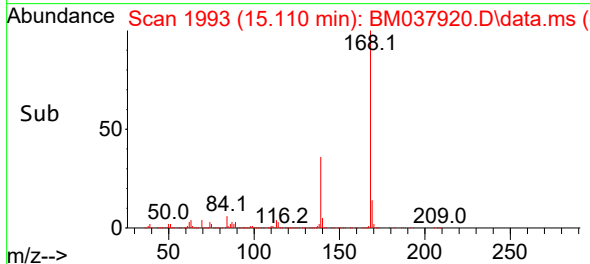
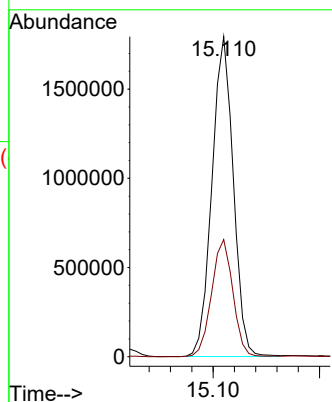
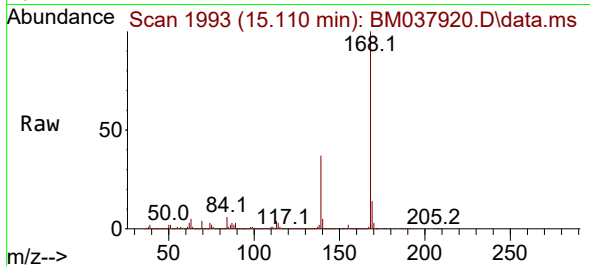




#56
Dibenzenofuran
Concen: 42.110 ng/ul
RT: 15.110 min Scan# 1993
Delta R.T. 0.000 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

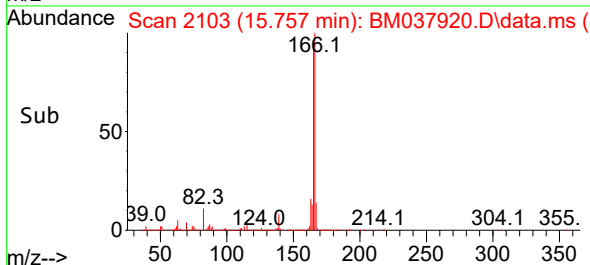
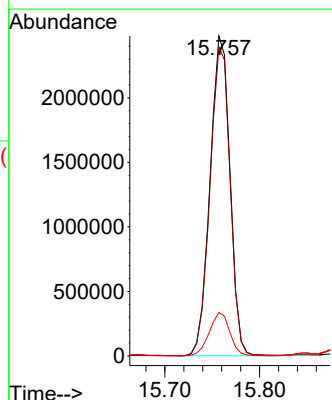
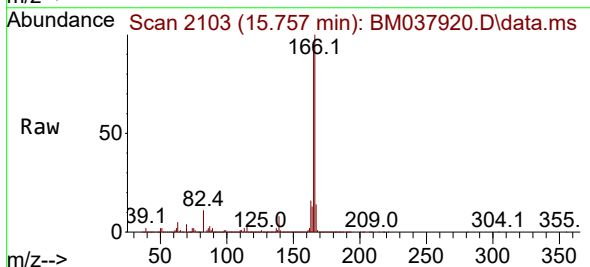
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ClientSampleId :
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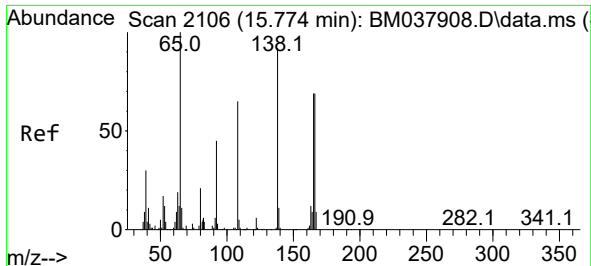
Tgt Ion:168 Resp: 2493300
Ion Ratio Lower Upper
168 100
139 36.6 28.1 42.1



#61
Fluorene
Concen: 75.064 ng/ul
RT: 15.757 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

Tgt Ion:166 Resp: 3624592
Ion Ratio Lower Upper
166 100
165 96.5 77.2 115.8
167 13.6 10.4 15.6

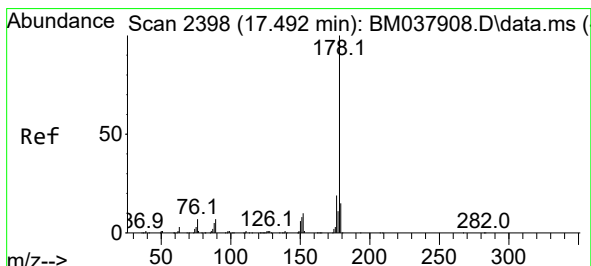
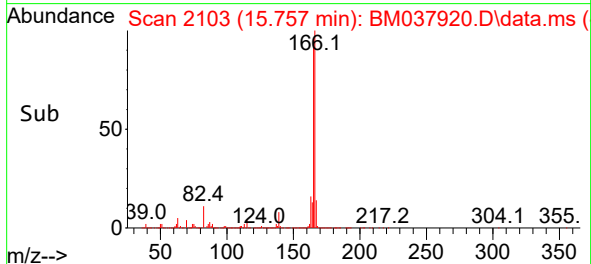
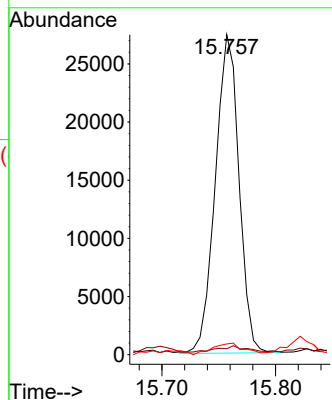
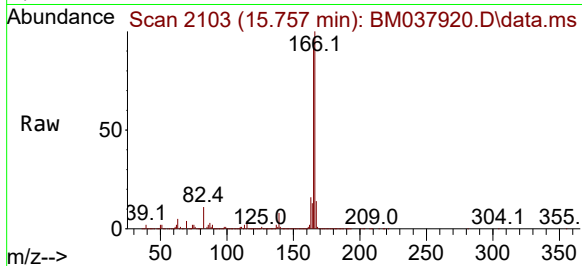




#63
4-Nitroaniline
Concen: 4.904 ng/ul
RT: 15.757 min Scan# 2103
Delta R.T. -0.017 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

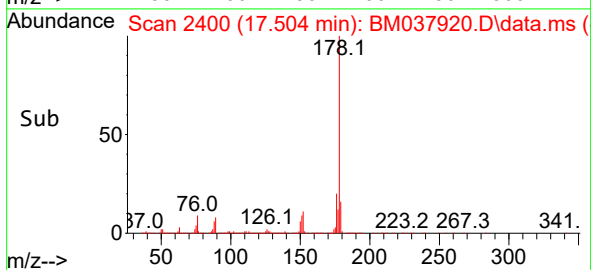
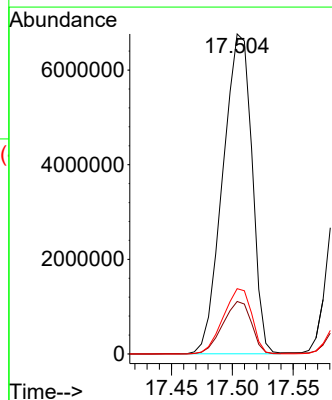
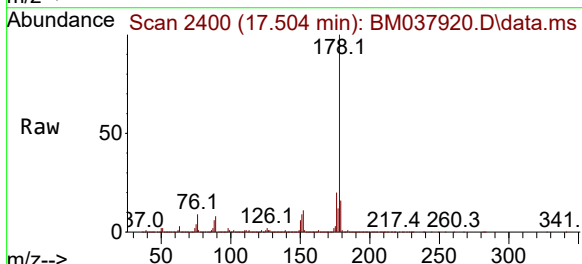
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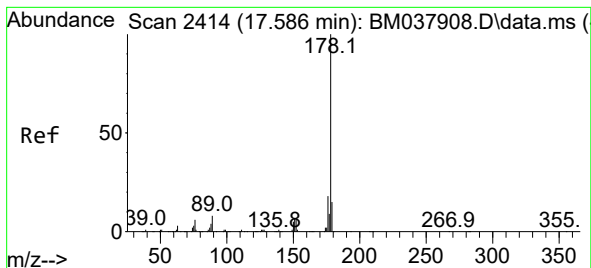
Tgt Ion:138 Resp: 39668
Ion Ratio Lower Upper
138 100
92 1.8 36.1 54.1#
108 3.3 51.6 77.4#



#72
Phenanthrene
Concen: 142.385 ng/ul
RT: 17.504 min Scan# 2400
Delta R.T. 0.012 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

Tgt Ion:178 Resp:11271135
Ion Ratio Lower Upper
178 100
179 16.4 12.2 18.2
176 20.4 15.4 23.0





#74

Anthracene

Concen: 149.078 ng/ul

RT: 17.598 min Scan# 2416

Delta R.T. 0.012 min

Lab File: BM037920.D

Acq: 09 Dec 2022 17:07

Instrument :

BNA_M

ClientSampleId :

DBXM9

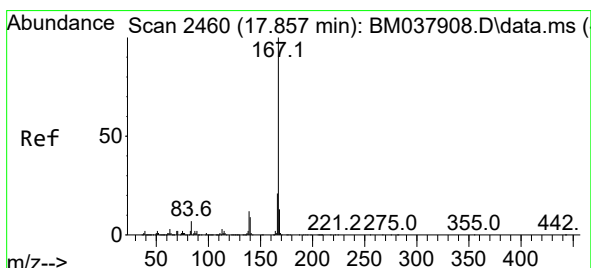
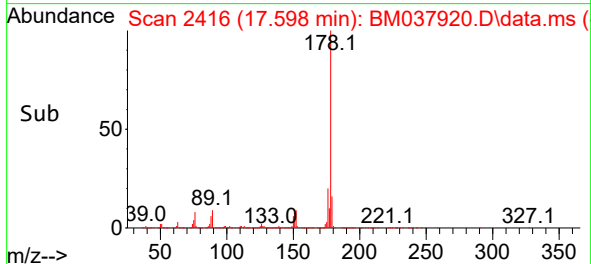
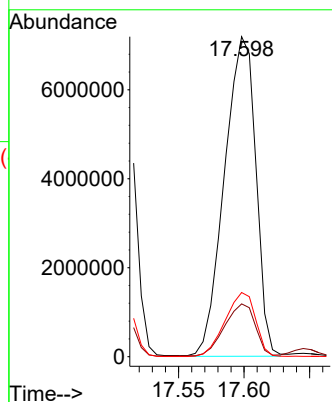
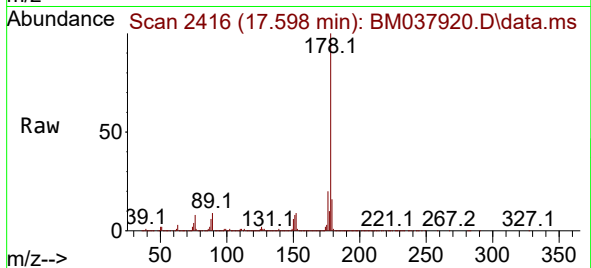
Tgt Ion:178 Resp:11992736

Ion Ratio Lower Upper

178 100

179 16.5 11.8 17.8

176 20.1 15.0 22.6



#77

Carbazole

Concen: 49.754 ng/ul

RT: 17.857 min Scan# 2460

Delta R.T. 0.000 min

Lab File: BM037920.D

Acq: 09 Dec 2022 17:07

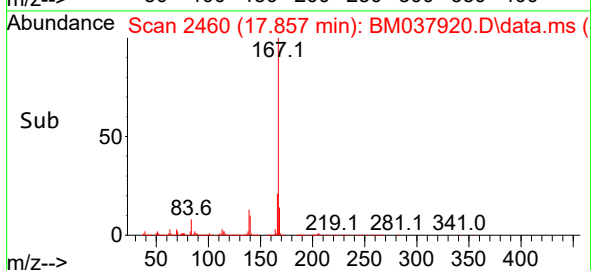
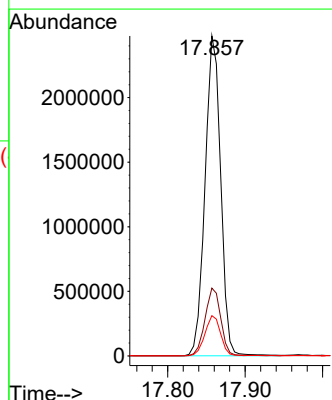
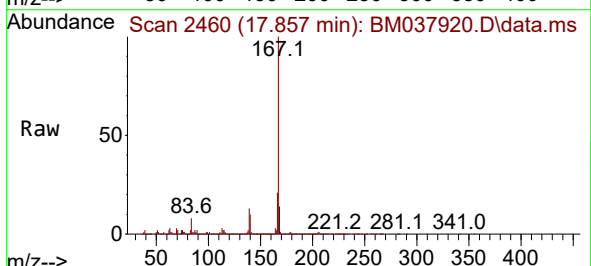
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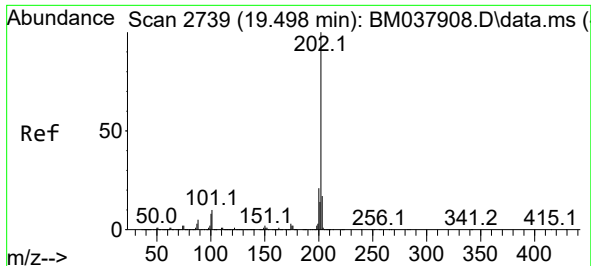
Ion Ratio Lower Upper

167 100

166 21.2 16.7 25.1

139 12.6 9.8 14.6

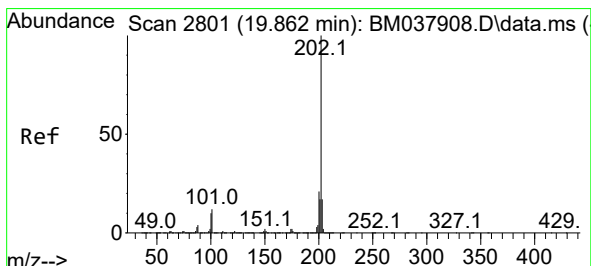
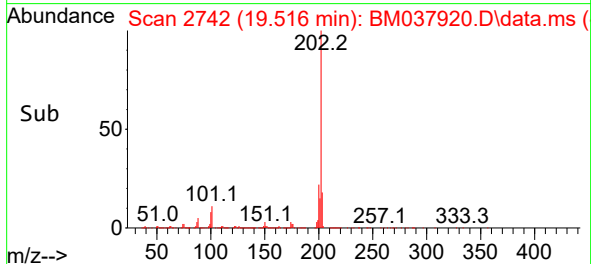
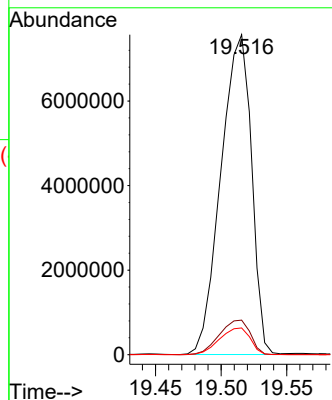
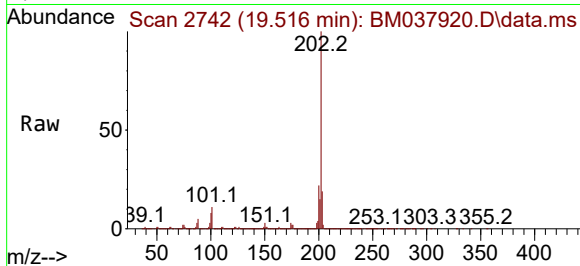




#80
Fluoranthene
Concen: 161.286 ng/ul
RT: 19.516 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

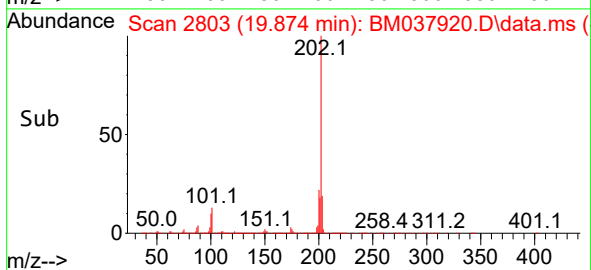
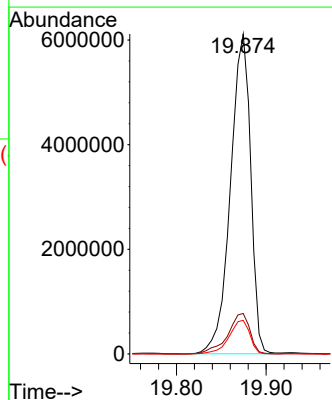
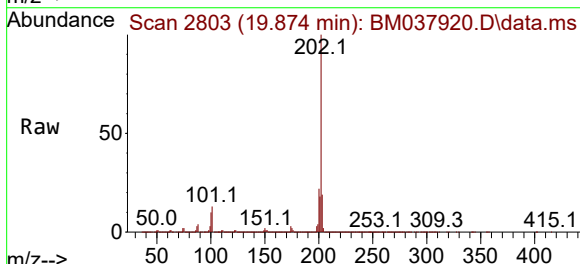
Instrument :
BNA_M
ClientSampleId :
DBXM9

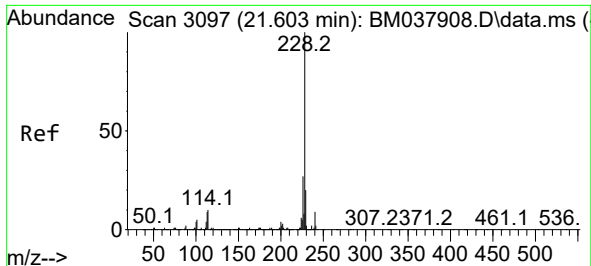
Tgt Ion:202 Resp:12266554
Ion Ratio Lower Upper
202 100
101 10.8 8.6 13.0
100 8.3 6.6 10.0



#82
Pyrene
Concen: 120.590 ng/ul
RT: 19.874 min Scan# 2803
Delta R.T. 0.012 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

Tgt Ion:202 Resp: 9545058
Ion Ratio Lower Upper
202 100
101 12.7 10.0 15.0
100 10.5 7.9 11.9

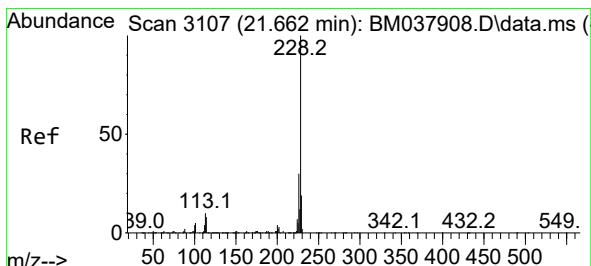
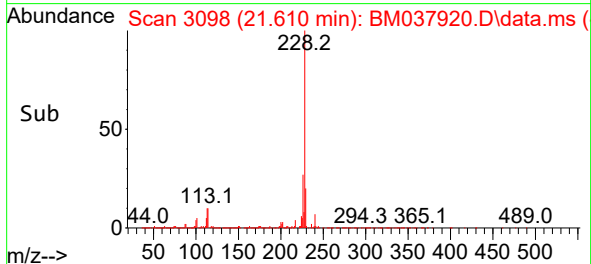
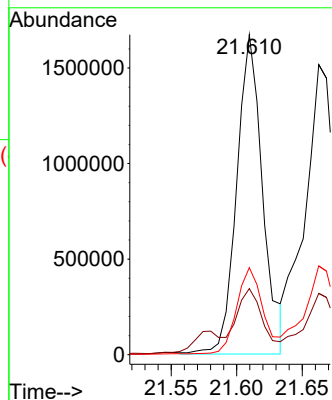
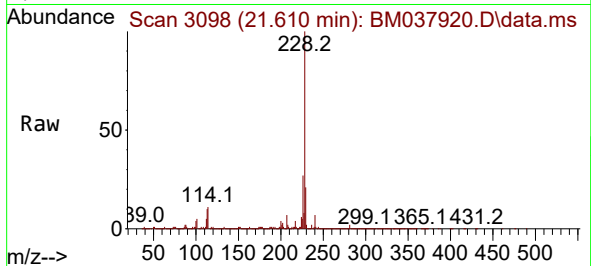




#85
Benzo(a)anthracene
Concen: 31.855 ng/ul
RT: 21.610 min Scan# 3097
Delta R.T. 0.006 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

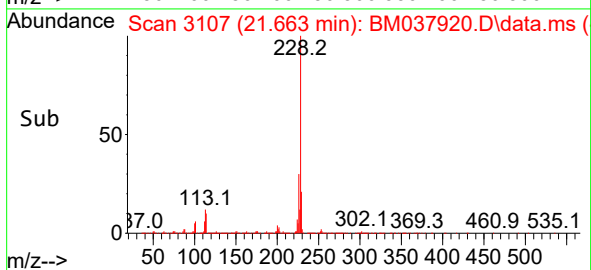
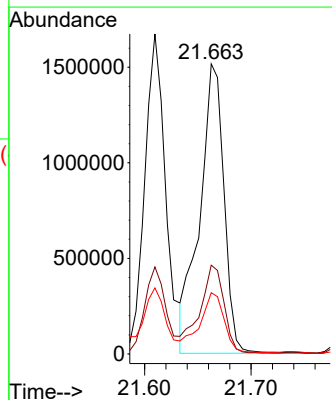
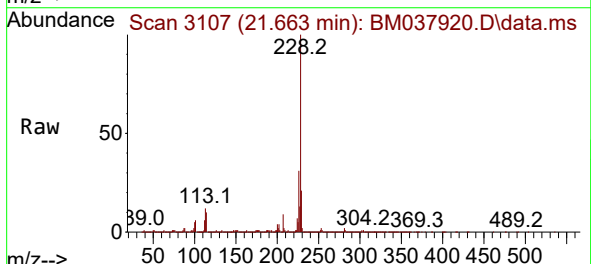
Instrument :
BNA_M
ClientSampleId :
DBXM9

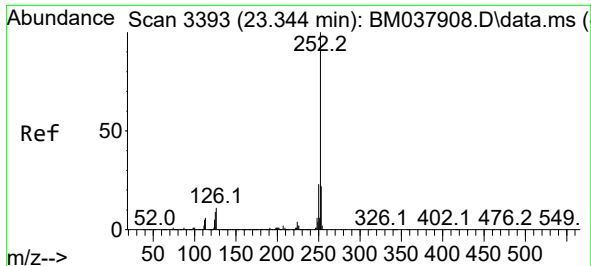
Tgt Ion:228 Resp: 2300681
Ion Ratio Lower Upper
228 100
229 20.6 15.5 23.3
226 27.2 21.8 32.8



#87
Chrysene
Concen: 35.457 ng/ul
RT: 21.663 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

Tgt Ion:228 Resp: 2402734
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 21.1 15.6 23.4

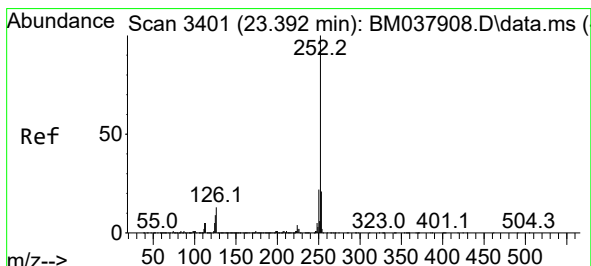
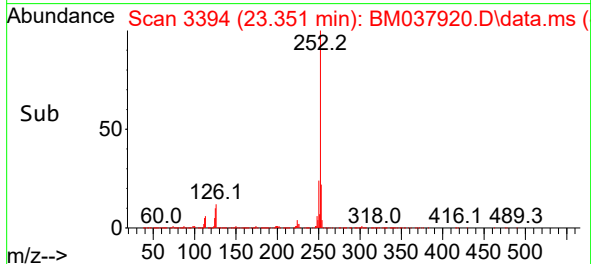
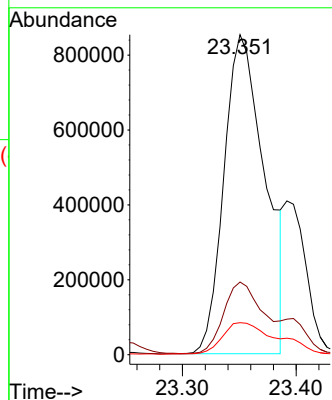
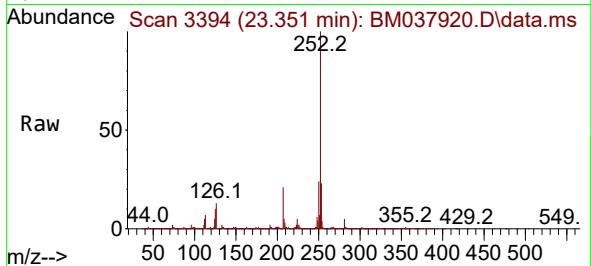




#90
Benzo(b)fluoranthene
Concen: 32.792 ng/ul
RT: 23.351 min Scan# 3394
Delta R.T. 0.006 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

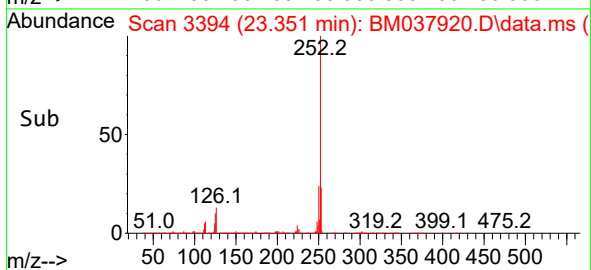
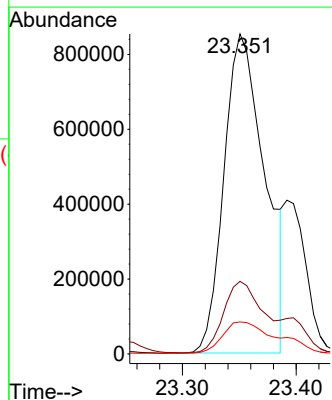
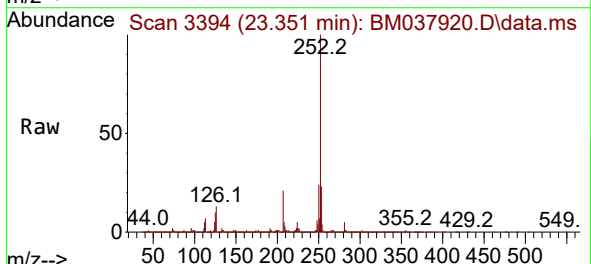
Instrument :
BNA_M
ClientSampleId :
DBXM9

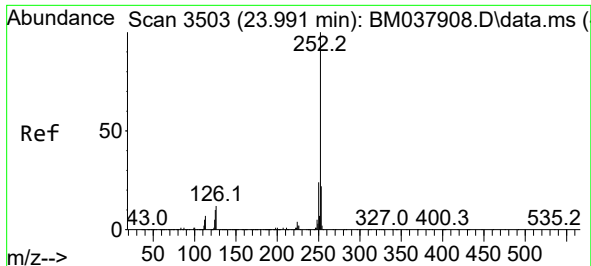
Tgt Ion:252 Resp: 2130570
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 10.0 8.0 12.0



#91
Benzo(k)fluoranthene
Concen: 33.835 ng/ul
RT: 23.351 min Scan# 3394
Delta R.T. -0.041 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

Tgt Ion:252 Resp: 2130570
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 10.0 8.1 12.1

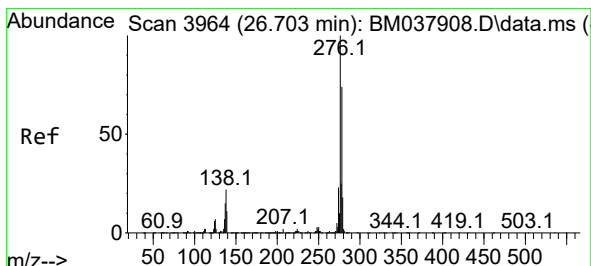
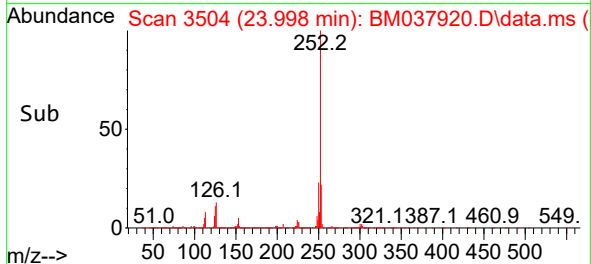
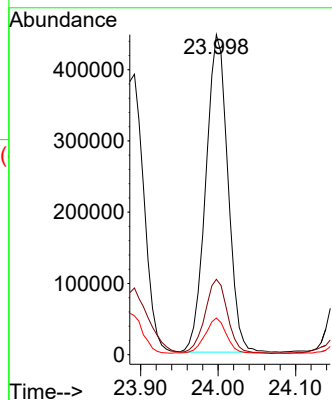
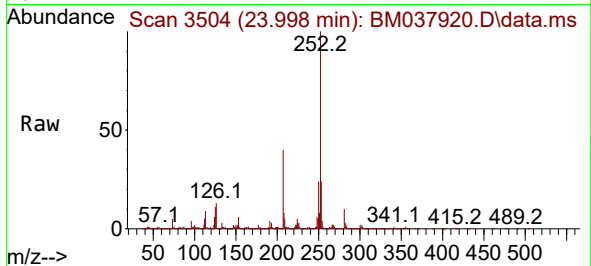




#93
Benzo(a)pyrene
Concen: 15.373 ng/ul
RT: 23.998 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

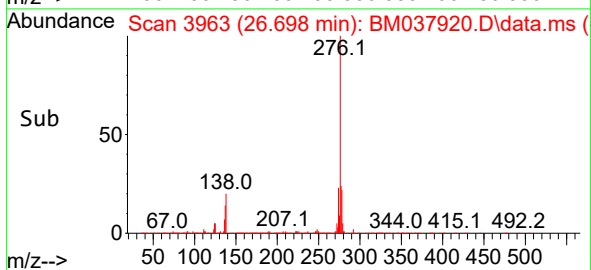
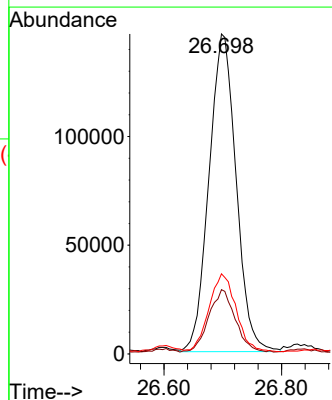
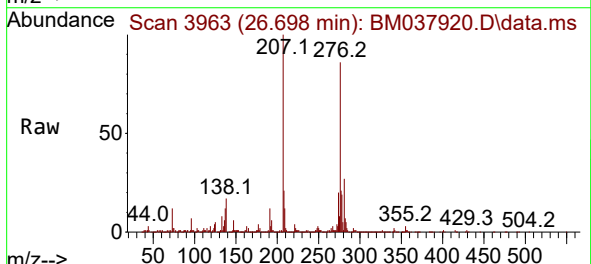
Instrument :
BNA_M
ClientSampleId :
DBXM9

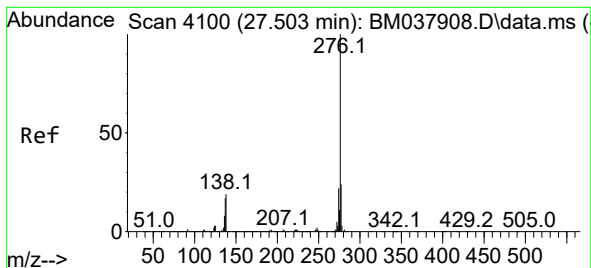
Tgt Ion:252 Resp: 878350
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 11.5 9.4 14.0



#94
Indeno(1,2,3-cd)pyrene
Concen: 6.360 ng/ul
RT: 26.698 min Scan# 3963
Delta R.T. -0.006 min
Lab File: BM037920.D
Acq: 09 Dec 2022 17:07

Tgt Ion:276 Resp: 467963
Ion Ratio Lower Upper
276 100
138 20.1 19.3 28.9
277 25.0 19.8 29.8





#96

Benzo(g,h,i)perylene

Concen: 5.821 ng/ul

RT: 27.503 min Scan# 41

Delta R.T. 0.000 min

Lab File: BM037920.D

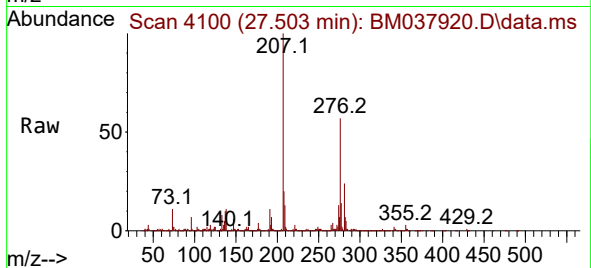
Acq: 09 Dec 2022 17:07

Instrument :

BNA_M

ClientSampleId :

DBXM9



Tgt Ion:276 Resp: 342014

Ion Ratio Lower Upper

276 100

138 19.3 17.1 25.7

277 25.0 18.2 27.4

