

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
 Data File : BM037931.D
 Acq On : 10 Dec 2022 12:44
 Operator : CG/JU
 Sample : N5832-17ME
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXL2ME

Quant Time: Dec 11 21:26:04 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	220256	20.000	ng/ul	0.00
20) Naphthalene-d8	10.898	136	806582	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.710	164	445398	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.457	188	928685	20.000	ng/ul	0.00
79) Chrysene-d12	21.621	240	893983	20.000	ng/ul	0.00
88) Perylene-d12	24.103	264	1072467	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.422	96	17340	3.575	ng/uL	0.00
4) Pyridine-d5	3.863	84	101139	7.028	ng/ul	0.00
7) Phenol-d5	7.234	99	360766	20.157	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.398	67	229134	21.024	ng/ul	0.00
11) 2-Chlorophenol-d4	7.604	132	311399	21.209	ng/ul	0.00
15) 4-Methylphenol-d8	8.787	113	259697	18.588	ng/ul	0.00
21) Nitrobenzene-d5	9.251	128	150646	23.589	ng/ul	0.00
24) 2-Nitrophenol-d4	9.975	143	161901	24.192	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.516	165	280030	22.029	ng/ul	0.00
31) 4-Chloroaniline-d4	11.039	131	574473	32.739	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	820661	25.844	ng/ul	0.00
49) Acenaphthylene-d8	14.404	160	947801	24.422	ng/ul	0.00
54) 4-Nitrophenol-d4	14.904	143	107892	19.937	ng/ul	0.00
60) Fluorene-d10	15.698	176	756453	26.739	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.821	200	82514	16.619	ng/ul	0.00
73) Anthracene-d10	17.562	188	1134862	26.183	ng/ul	0.01
81) Pyrene-d10	19.833	212	1341164	24.974	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.944	264	1408821	26.300	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.951	128	668322	15.354	ng/ul	99
36) 2-Methylnaphthalene	12.545	142	480147	17.007	ng/ul	99
37) 1-Methylnaphthalene	12.763	142	286530	9.926	ng/ul	99
43) 1,1'-Biphenyl	13.545	154	271319	7.578	ng/ul	100
50) Acenaphthylene	14.433	152	244831	5.737	ng/ul#	97
52) Acenaphthene	14.774	153	2756716	93.396	ng/ul	99
56) Dibenzofuran	15.110	168	3170841	78.685	ng/ul	98
61) Fluorene	15.757	166	4616034	140.459	ng/ul	100
63) 4-Nitroaniline	15.757	138	50573	9.186	ng/ul#	26
72) Phenanthrene	17.509	178	13430213	264.815	ng/ul	97
74) Anthracene	17.509	178	13430213	260.580	ng/ul	96
77) Carbazole	17.868	167	7995215	179.052	ng/ul	98
80) Fluoranthene	19.515	202	12697177	200.340	ng/ul	99
82) Pyrene	19.874	202	10158421	154.008	ng/ul	99
85) Benzo(a)anthracene	21.609	228	3024620	50.254	ng/ul	98
87) Chrysene	21.662	228	3771989	66.797	ng/ul	98
90) Benzo(b)fluoranthene	23.344	252	3273565	49.235	ng/ul	99
91) Benzo(k)fluoranthene	23.391	252	971142	15.071	ng/ul	98
93) Benzo(a)pyrene	23.997	252	1414487	24.192	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.691	276	724834	9.626	ng/ul#	94
95) Dibenzo(a,h)anthracene	26.697	278	202041	3.183	ng/ul#	95
96) Benzo(g,h,i)perylene	27.497	276	469606	7.811	ng/ul	98

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

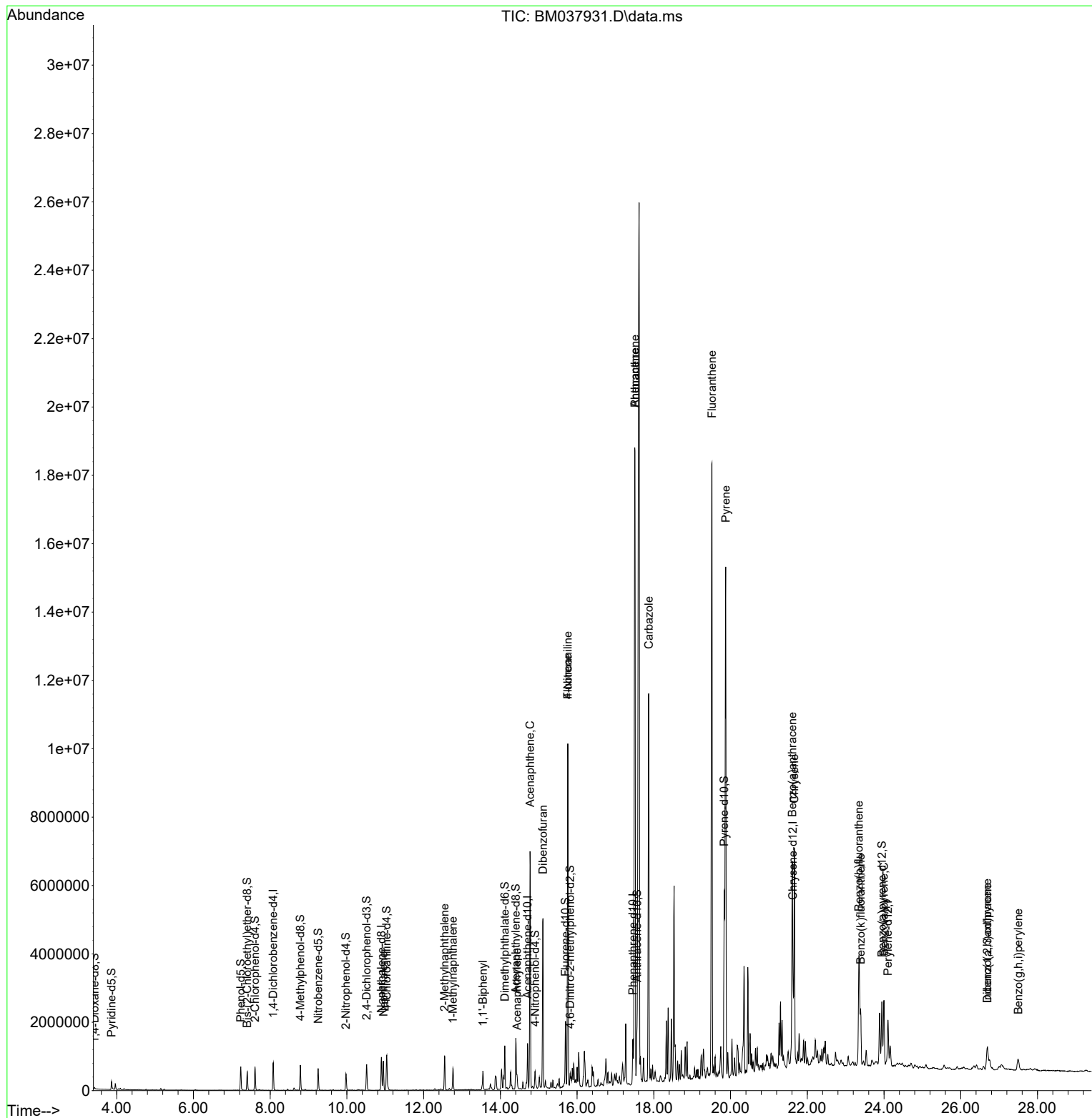
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

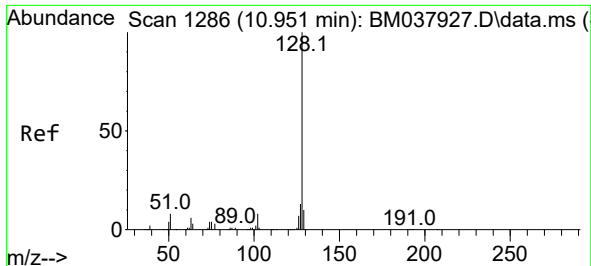
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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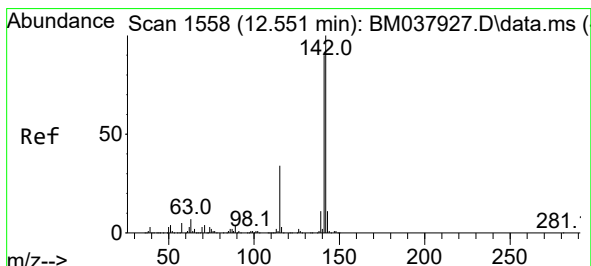
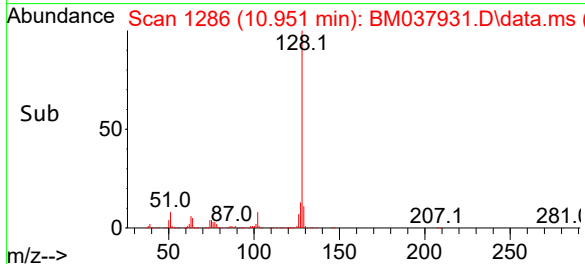
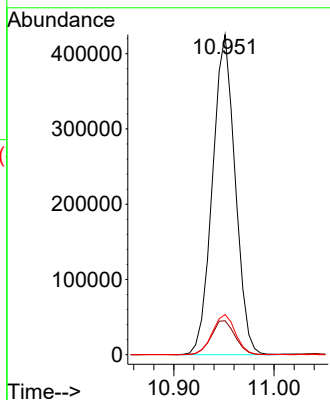
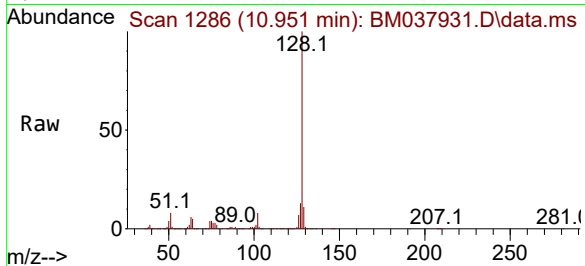




#30
Naphthalene
Concen: 15.354 ng/ul
RT: 10.951 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

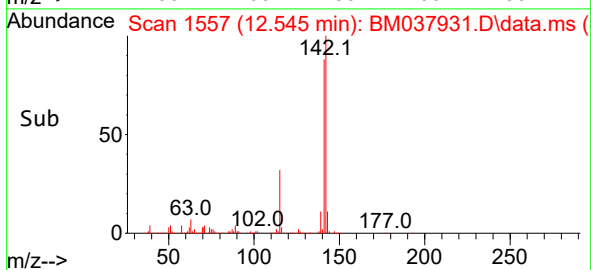
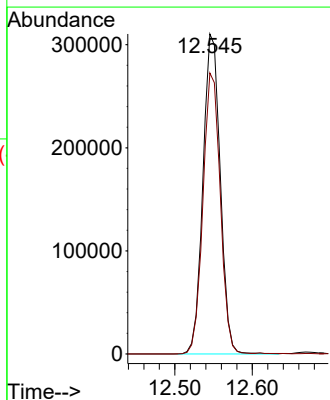
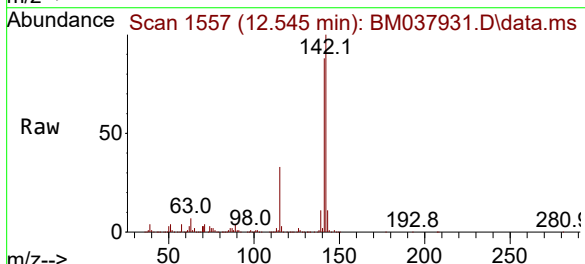
Instrument :
BNA_M
ClientSampleId :
DBXL2ME

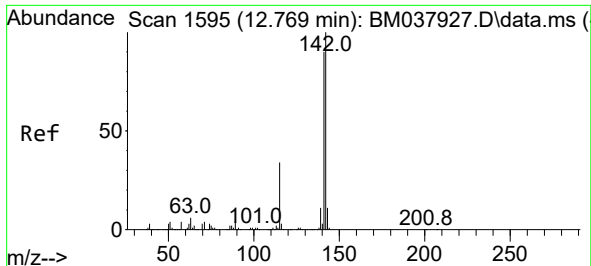
Tgt Ion:128 Resp: 668322
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.4
127 12.5 10.4 15.6



#36
2-Methylnaphthalene
Concen: 17.007 ng/ul
RT: 12.545 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

Tgt Ion:142 Resp: 480147
Ion Ratio Lower Upper
142 100
141 87.8 69.4 104.0





#37

1-Methylnaphthalene

Concen: 9.926 ng/ul

RT: 12.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM037931.D

Acq: 10 Dec 2022 12:44

Instrument :

BNA_M

ClientSampleId :

DBXL2ME

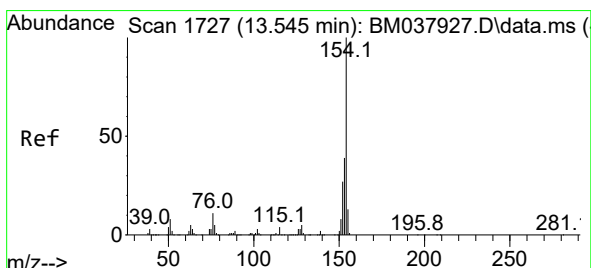
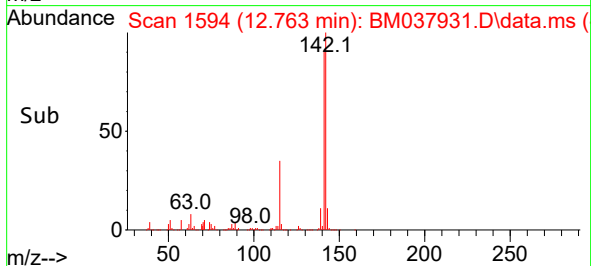
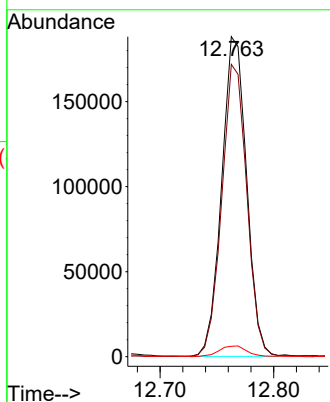
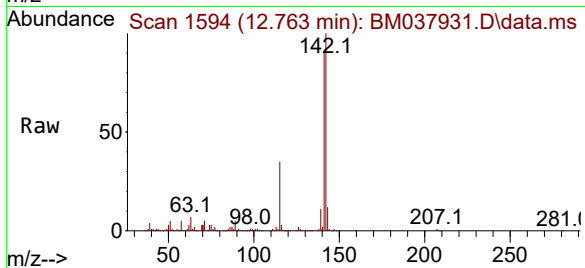
Tgt Ion:142 Resp: 286530

Ion Ratio Lower Upper

142 100

141 91.4 72.4 108.6

116 3.3 2.9 4.3



#43

1,1'-Biphenyl

Concen: 7.578 ng/ul

RT: 13.545 min Scan# 1727

Delta R.T. -0.006 min

Lab File: BM037931.D

Acq: 10 Dec 2022 12:44

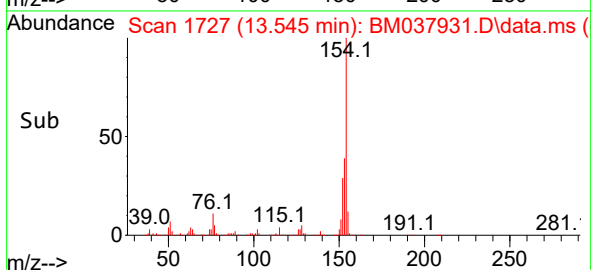
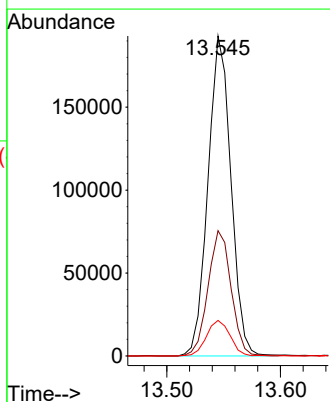
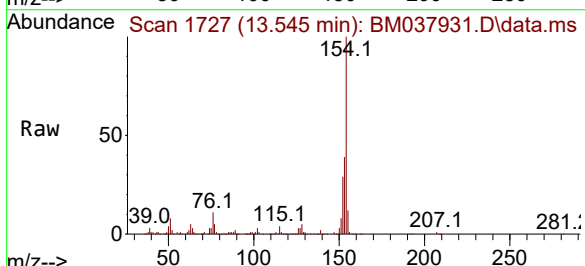
Tgt Ion:154 Resp: 271319

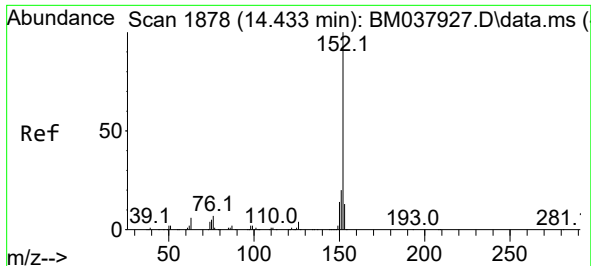
Ion Ratio Lower Upper

154 100

153 39.1 31.2 46.8

76 11.1 9.3 13.9

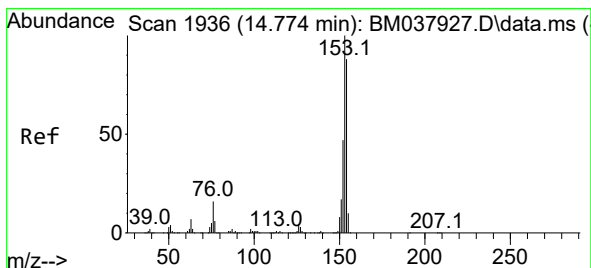
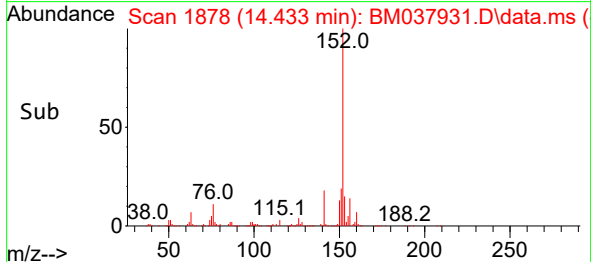
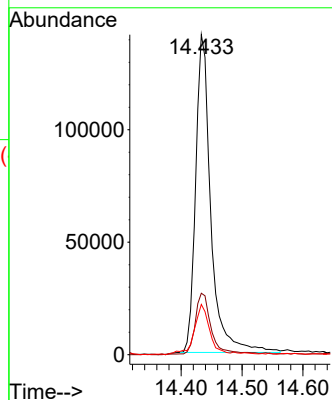
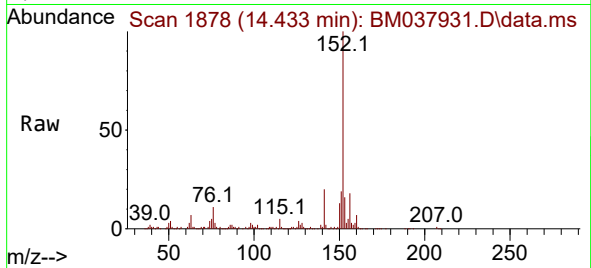




#50
Acenaphthylene
Concen: 5.737 ng/ul
RT: 14.433 min Scan# 1878
Delta R.T. -0.006 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

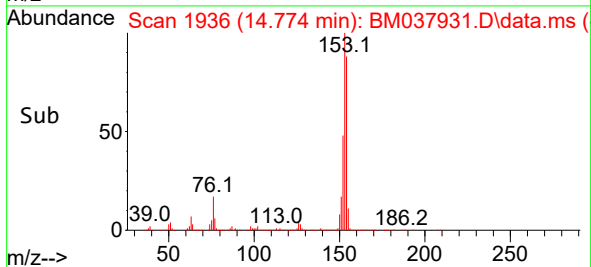
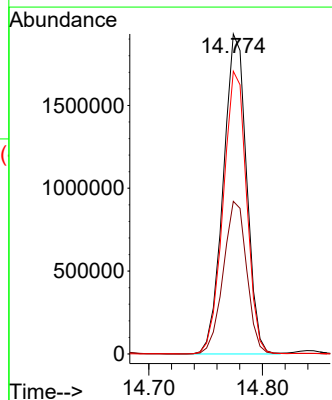
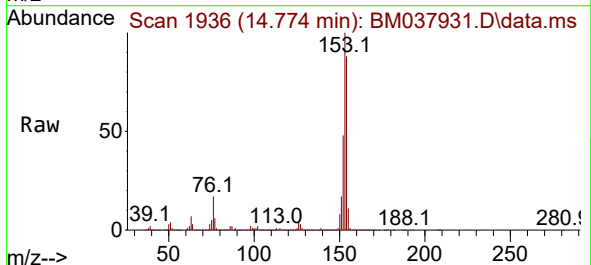
Instrument :
BNA_M
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DBXL2ME

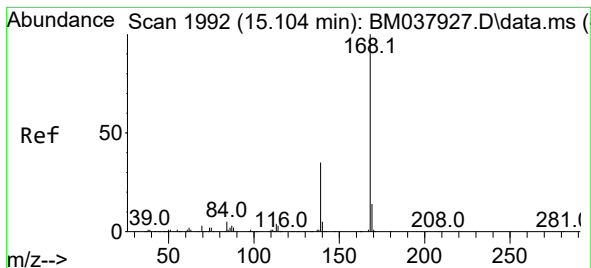
Tgt Ion:152 Resp: 244831
Ion Ratio Lower Upper
152 100
151 19.2 15.3 22.9
153 15.7 10.2 15.4#



#52
Acenaphthene
Concen: 93.396 ng/ul
RT: 14.774 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

Tgt Ion:153 Resp: 2756716
Ion Ratio Lower Upper
153 100
152 47.7 38.2 57.4
154 88.3 71.4 107.0





#56

Dibenzofuran

Concen: 78.685 ng/ul

RT: 15.110 min Scan# 1992

Delta R.T. -0.000 min

Lab File: BM037931.D

Acq: 10 Dec 2022 12:44

Instrument :

BNA_M

ClientSampleId :

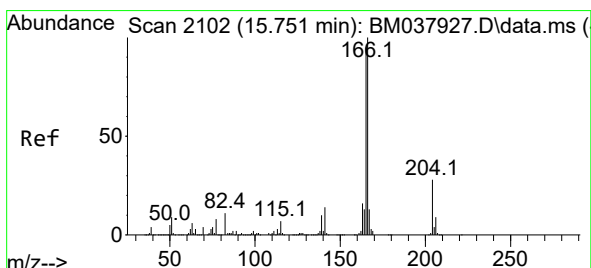
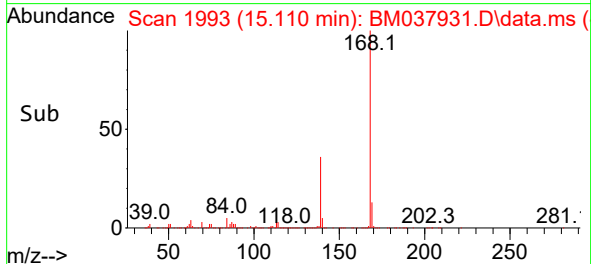
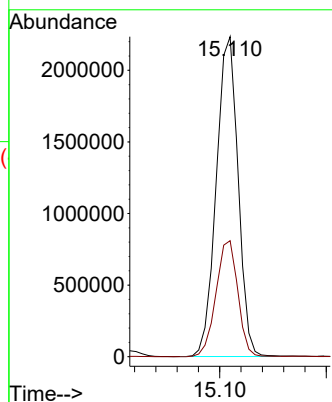
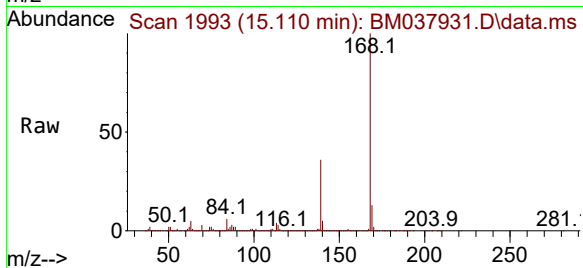
DBXL2ME

Tgt Ion:168 Resp: 3170841

Ion Ratio Lower Upper

168 100

139 36.2 28.1 42.1



#61

Fluorene

Concen: 140.459 ng/ul

RT: 15.757 min Scan# 2103

Delta R.T. -0.000 min

Lab File: BM037931.D

Acq: 10 Dec 2022 12:44

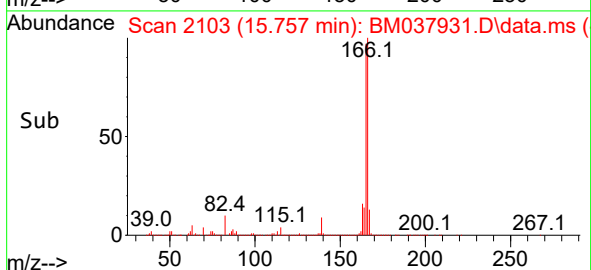
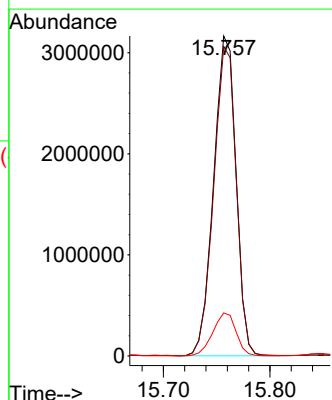
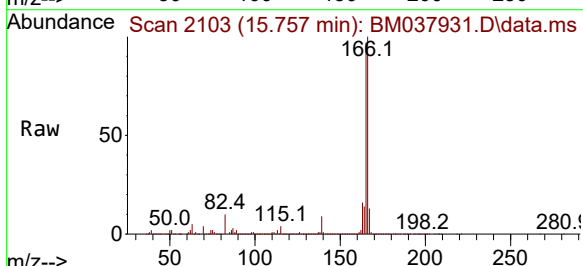
Tgt Ion:166 Resp: 4616034

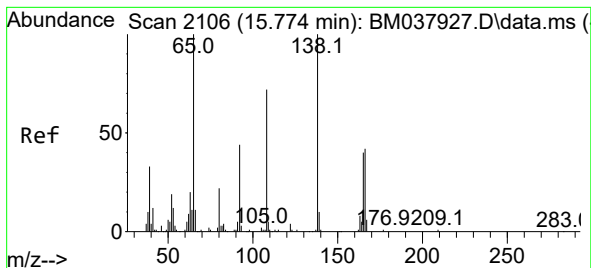
Ion Ratio Lower Upper

166 100

165 96.7 77.2 115.8

167 13.5 10.4 15.6

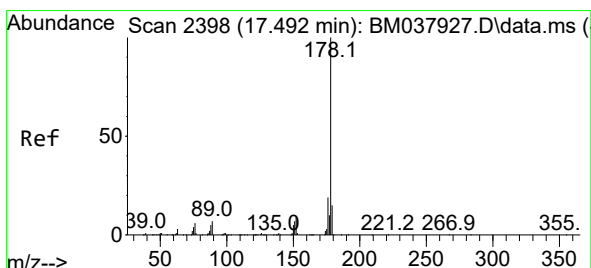
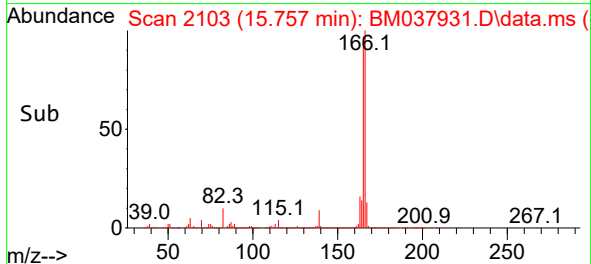
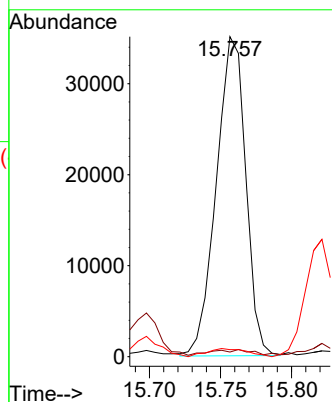
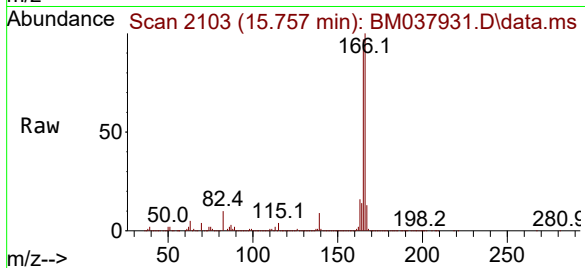




#63
4-Nitroaniline
Concen: 9.186 ng/ul
RT: 15.757 min Scan# 2103
Delta R.T. -0.018 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

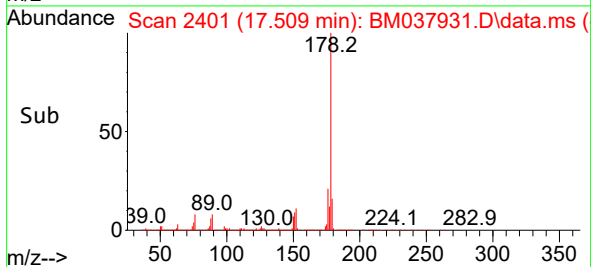
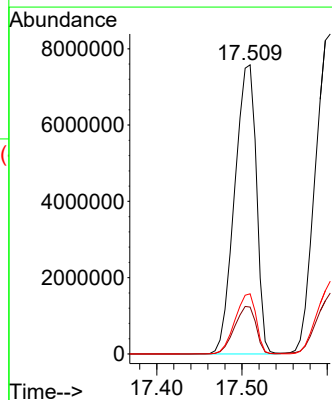
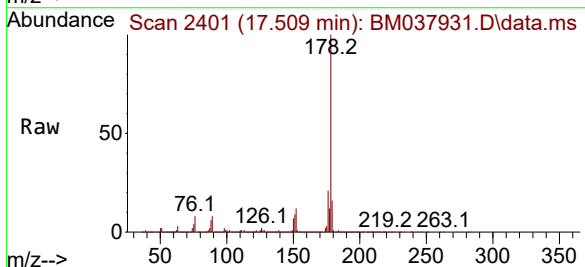
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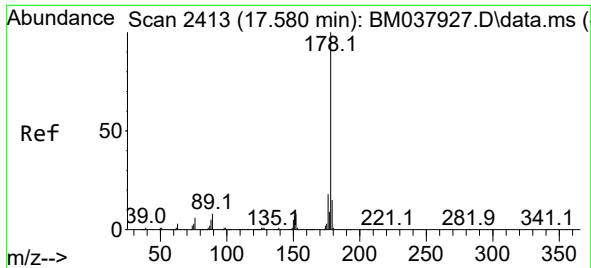
Tgt Ion:138 Resp: 50573
Ion Ratio Lower Upper
138 100
92 1.4 36.1 54.1#
108 2.2 51.6 77.4#



#72
Phenanthrene
Concen: 264.815 ng/ul
RT: 17.509 min Scan# 2401
Delta R.T. 0.018 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

Tgt Ion:178 Resp:13430213
Ion Ratio Lower Upper
178 100
179 16.2 12.2 18.2
176 20.8 15.4 23.0

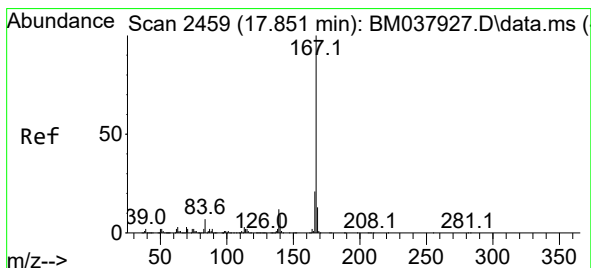
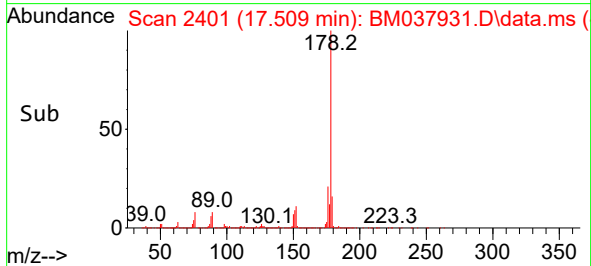
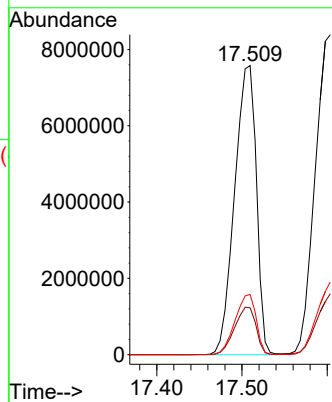
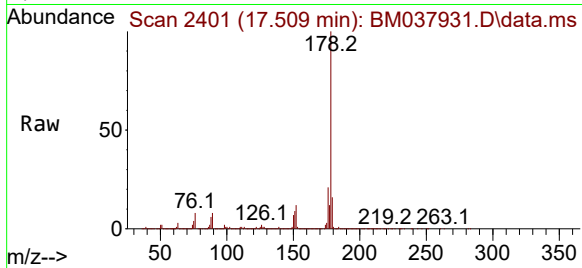




#74
 Anthracene
 Concen: 260.580 ng/ul
 RT: 17.509 min Scan# 2413
 Delta R.T. -0.077 min
 Lab File: BM037931.D
 Acq: 10 Dec 2022 12:44

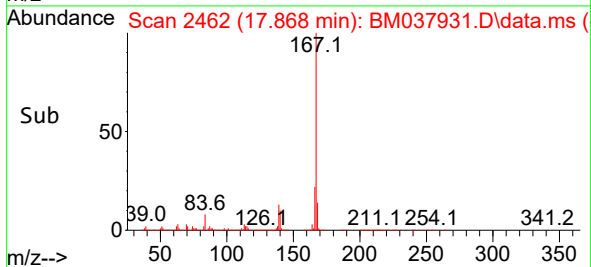
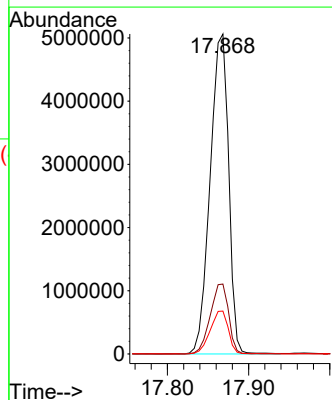
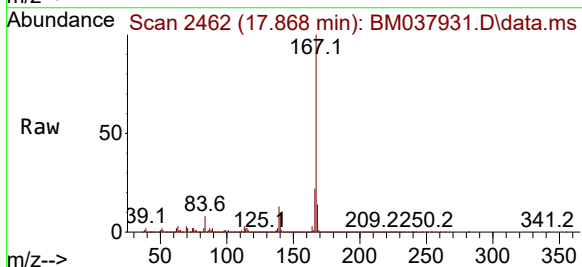
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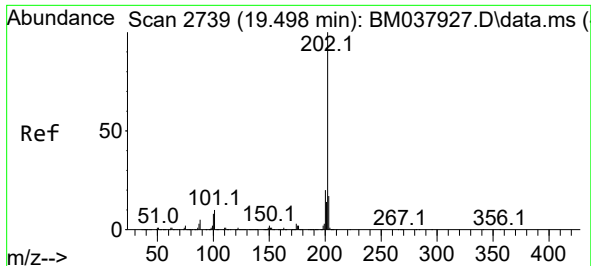
Tgt Ion:178 Resp:13430213
 Ion Ratio Lower Upper
 178 100
 179 16.2 11.8 17.8
 176 20.8 15.0 22.6



#77
 Carbazole
 Concen: 179.052 ng/ul
 RT: 17.868 min Scan# 2462
 Delta R.T. 0.012 min
 Lab File: BM037931.D
 Acq: 10 Dec 2022 12:44

Tgt Ion:167 Resp: 7995215
 Ion Ratio Lower Upper
 167 100
 166 21.9 16.7 25.1
 139 13.4 9.8 14.6

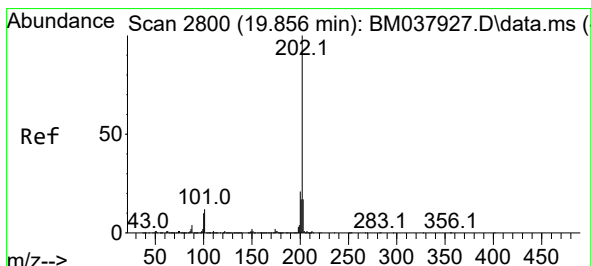
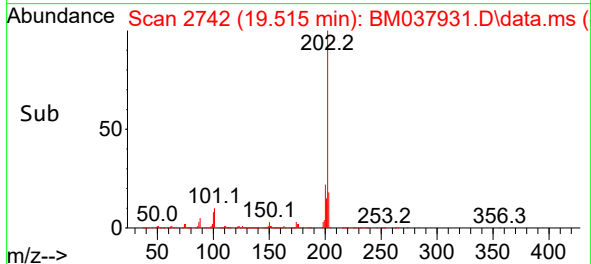
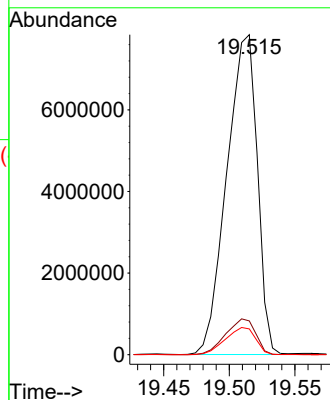
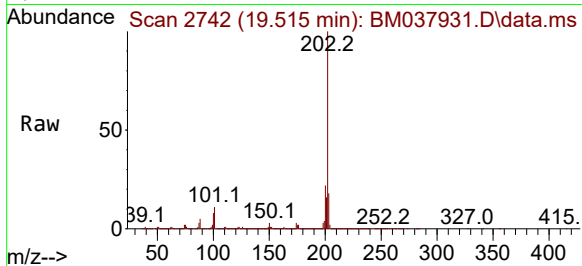




#80
Fluoranthene
Concen: 200.340 ng/ul
RT: 19.515 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

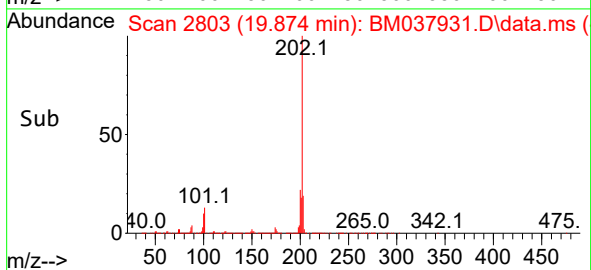
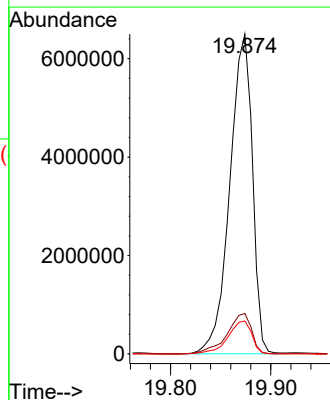
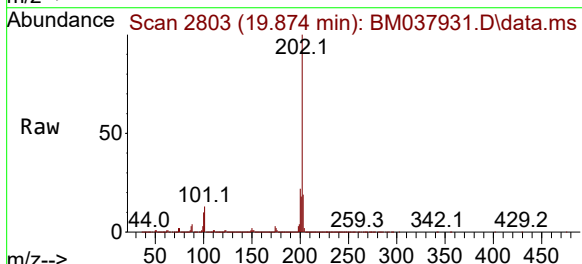
Instrument :
BNA_M
ClientSampleId :
DBXL2ME

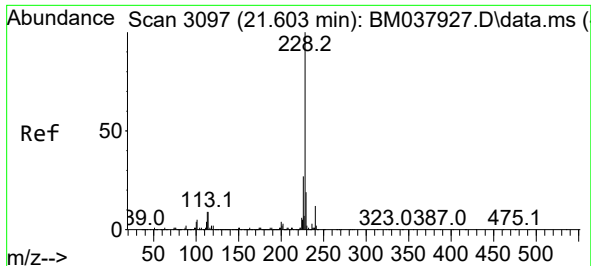
Tgt Ion:202 Resp:12697177
Ion Ratio Lower Upper
202 100
101 10.5 8.6 13.0
100 8.0 6.6 10.0



#82
Pyrene
Concen: 154.008 ng/ul
RT: 19.874 min Scan# 2803
Delta R.T. 0.012 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

Tgt Ion:202 Resp:10158421
Ion Ratio Lower Upper
202 100
101 12.6 10.0 15.0
100 10.3 7.9 11.9

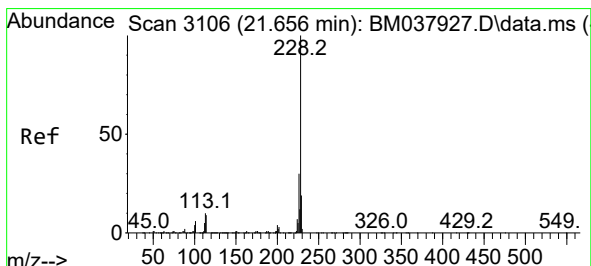
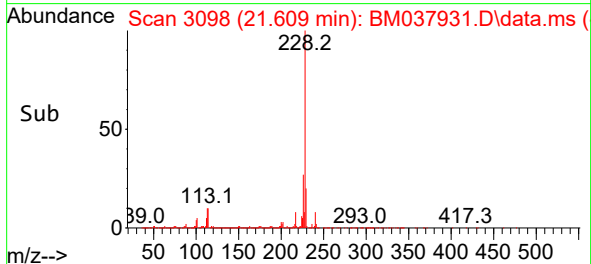
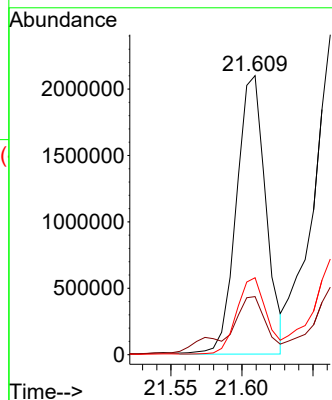
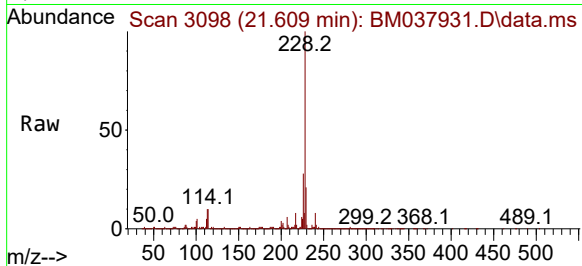




#85
Benzo(a)anthracene
Concen: 50.254 ng/ul
RT: 21.609 min Scan# 3097
Delta R.T. 0.006 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

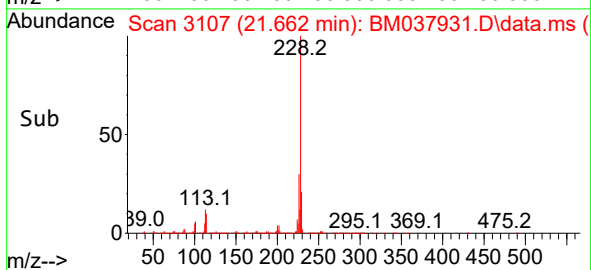
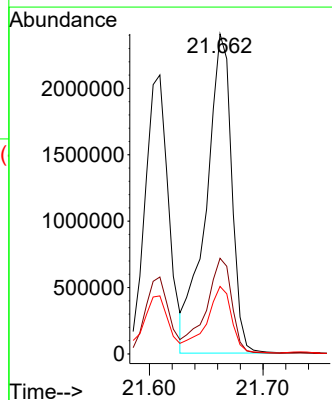
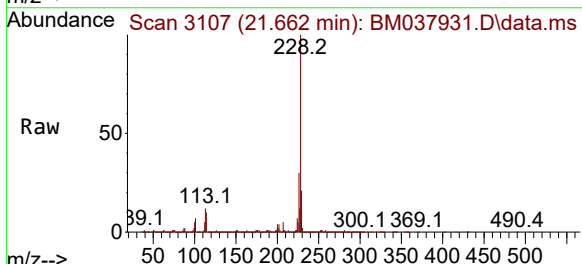
Instrument :
BNA_M
ClientSampleId :
DBXL2ME

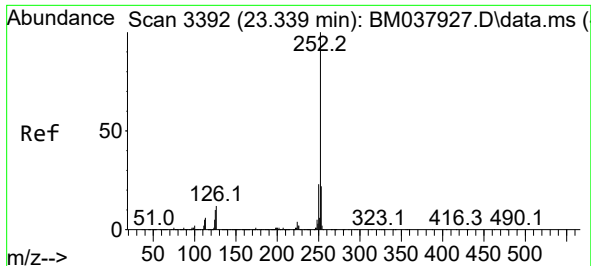
Tgt Ion:228 Resp: 3024620
Ion Ratio Lower Upper
228 100
229 20.8 15.5 23.3
226 27.6 21.8 32.8



#87
Chrysene
Concen: 66.797 ng/ul
RT: 21.662 min Scan# 3107
Delta R.T. -0.000 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

Tgt Ion:228 Resp: 3771989
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 21.1 15.6 23.4

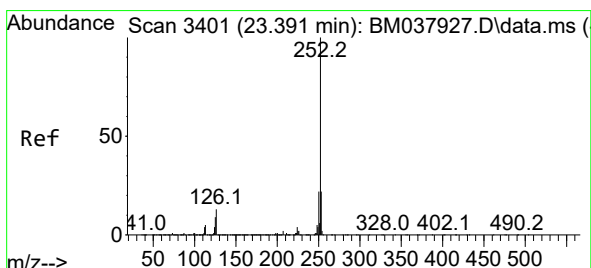
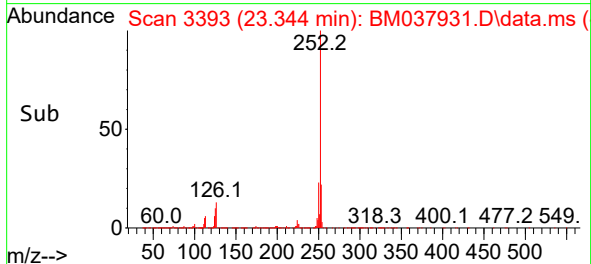
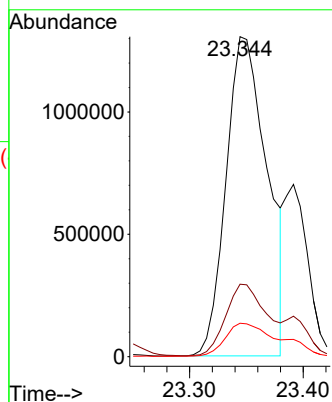
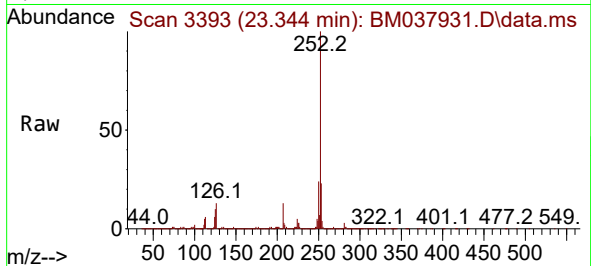




#90
Benzo(b)fluoranthene
Concen: 49.235 ng/ul
RT: 23.344 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

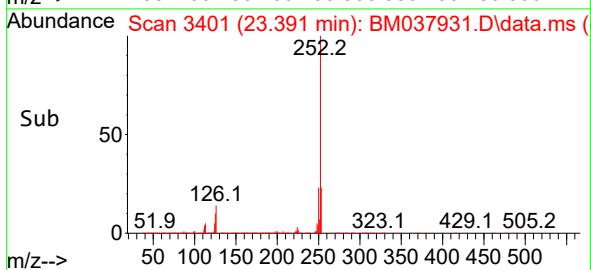
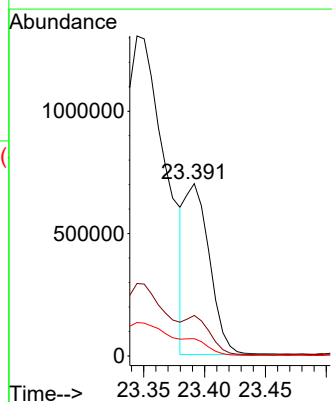
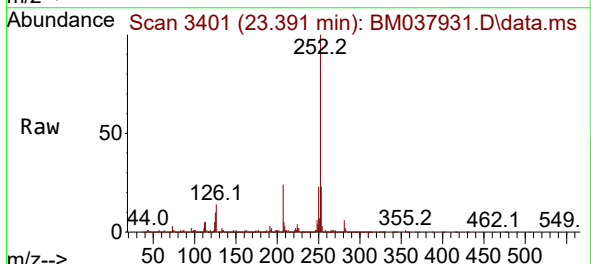
Instrument :
BNA_M
ClientSampleId :
DBXL2ME

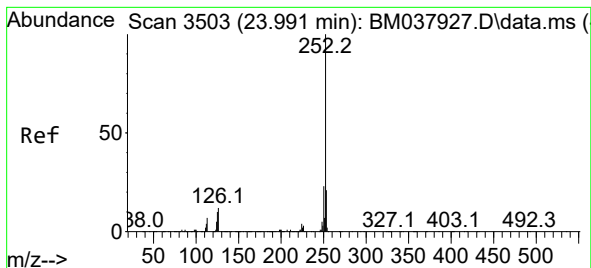
Tgt Ion:252 Resp: 3273565
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 10.4 8.0 12.0



#91
Benzo(k)fluoranthene
Concen: 15.071 ng/ul
RT: 23.391 min Scan# 3401
Delta R.T. -0.000 min
Lab File: BM037931.D
Acq: 10 Dec 2022 12:44

Tgt Ion:252 Resp: 971142
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 10.0 8.1 12.1





#93

Benzo(a)pyrene

Concen: 24.192 ng/ul

RT: 23.997 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM037931.D

Acq: 10 Dec 2022 12:44

Instrument :

BNA_M

ClientSampleId :

DBXL2ME

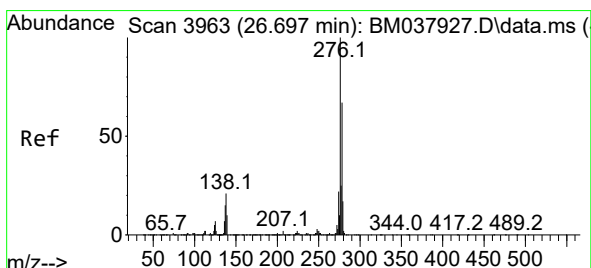
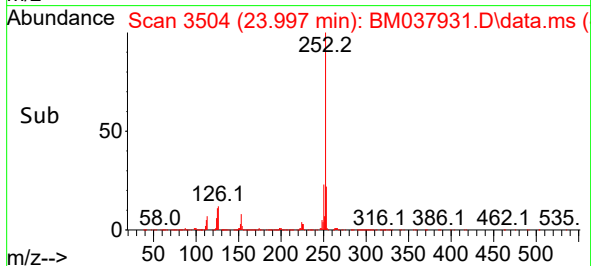
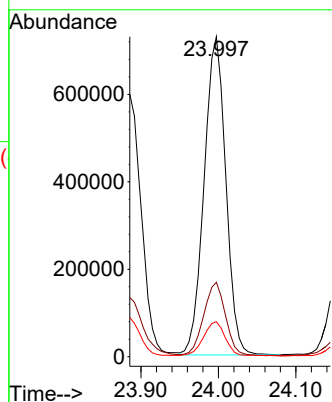
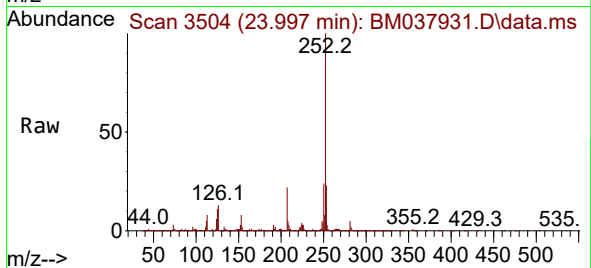
Tgt Ion:252 Resp: 1414487

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 10.9 9.4 14.0



#94

Indeno(1,2,3-cd)pyrene

Concen: 9.626 ng/ul

RT: 26.691 min Scan# 3962

Delta R.T. -0.012 min

Lab File: BM037931.D

Acq: 10 Dec 2022 12:44

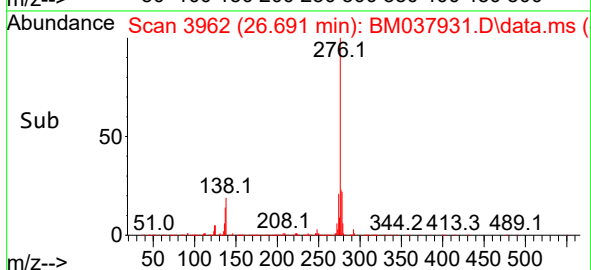
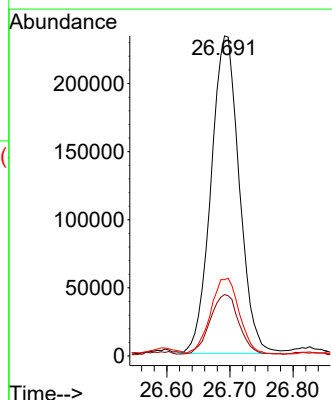
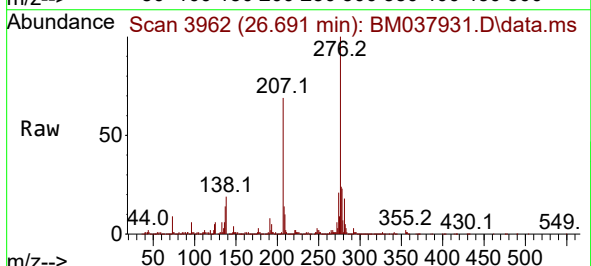
Tgt Ion:276 Resp: 724834

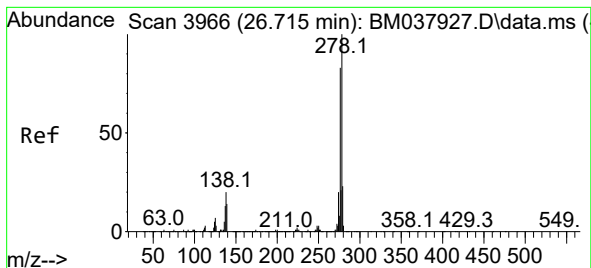
Ion Ratio Lower Upper

276 100

138 19.2 19.3 28.9#

277 23.9 19.8 29.8





#95

Dibenzo(a,h)anthracene

Concen: 3.183 ng/ul

RT: 26.697 min Scan# 3963

Delta R.T. -0.018 min

Lab File: BM037931.D

Acq: 10 Dec 2022 12:44

Instrument :

BNA_M

ClientSampleId :

DBXL2ME

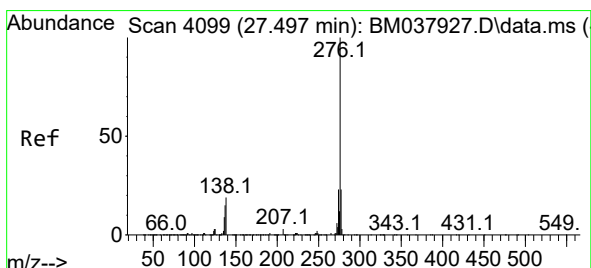
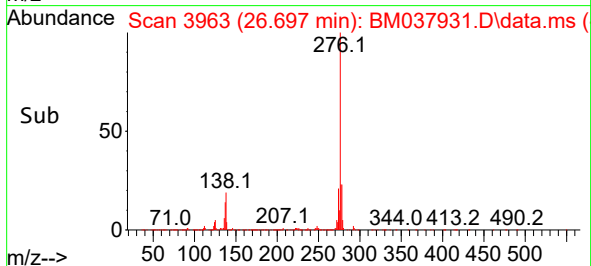
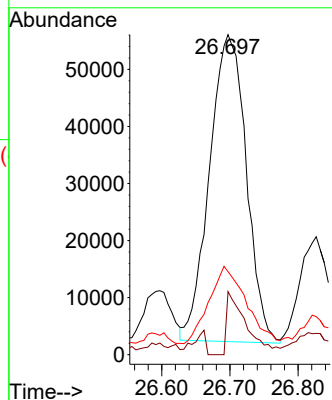
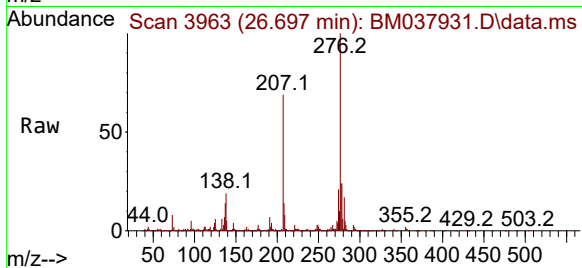
Tgt Ion:278 Resp: 202041

Ion Ratio Lower Upper

278 100

139 19.7 12.4 18.6#

279 25.9 19.8 29.6



#96

Benzo(g,h,i)perylene

Concen: 7.811 ng/ul

RT: 27.497 min Scan# 4099

Delta R.T. -0.006 min

Lab File: BM037931.D

Acq: 10 Dec 2022 12:44

Tgt Ion:276 Resp: 469606

Ion Ratio Lower Upper

276 100

138 19.4 17.1 25.7

277 22.9 18.2 27.4

