

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
 Data File : BM037932.D
 Acq On : 10 Dec 2022 13:21
 Operator : CG/JU
 Sample : N5832-20ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXL5ME

Quant Time: Dec 11 21:26:20 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	213970	20.000	ng/u1	0.00
20) Naphthalene-d8	10.899	136	857566	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.710	164	489544	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.451	188	885210	20.000	ng/u1	0.00
79) Chrysene-d12	21.621	240	666181	20.000	ng/u1	0.00
88) Perylene-d12	24.098	264	780424	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.423	96	16934	3.593	ng/uL	0.00
4) Pyridine-d5	3.864	84	108102	7.733	ng/u1	0.00
7) Phenol-d5	7.234	99	382404	21.993	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.399	67	240558	22.721	ng/u1	0.00
11) 2-Chlorophenol-d4	7.605	132	330656	23.182	ng/u1	0.00
15) 4-Methylphenol-d8	8.787	113	284038	20.928	ng/u1	0.00
21) Nitrobenzene-d5	9.252	128	163644	24.101	ng/u1	0.00
24) 2-Nitrophenol-d4	9.975	143	172227	24.205	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.516	165	293872	21.744	ng/u1	0.00
31) 4-Chloroaniline-d4	11.040	131	497677	26.677	ng/u1	0.00
46) Dimethylphthalate-d6	14.116	166	874845	25.066	ng/u1	0.00
49) Acenaphthylene-d8	14.404	160	1027936	24.098	ng/u1	0.00
54) 4-Nitrophenol-d4	14.904	143	83031	13.959	ng/u1	0.00
60) Fluorene-d10	15.698	176	781351	25.128	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	65824	13.908	ng/u1	0.00
73) Anthracene-d10	17.557	188	1033899	25.026	ng/u1	0.00
81) Pyrene-d10	19.833	212	1022494	25.551	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.939	264	994442	25.511	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.910	105	32413	1.518	ng/u1	97
30) Naphthalene	10.951	128	379890	8.209	ng/u1	99
36) 2-Methylnaphthalene	12.545	142	317896	10.591	ng/u1	96
37) 1-Methylnaphthalene	12.763	142	336273	10.956	ng/u1	100
43) 1,1'-Biphenyl	13.545	154	301142	7.653	ng/u1	99
50) Acenaphthylene	14.434	152	204429	4.359	ng/u1#	93
52) Acenaphthene	14.775	153	3303787	101.837	ng/u1	99
56) Dibenzofuran	15.110	168	3454183	77.987	ng/u1	98
61) Fluorene	15.757	166	5036759	139.440	ng/u1	98
72) Phenanthrene	17.510	178	13667487	282.729	ng/u1	97
74) Anthracene	17.598	178	17440657	355.012	ng/u1	96
77) Carbazole	17.863	167	5741146	134.887	ng/u1	98
80) Fluoranthene	19.510	202	11380828	240.974	ng/u1	100
82) Pyrene	19.869	202	8801435	179.064	ng/u1	98
85) Benzo(a)anthracene	21.604	228	2350343	52.405	ng/u1	98
87) Chrysene	21.663	228	2503365	59.490	ng/u1	98
90) Benzo(b)fluoranthene	23.345	252	2161697	44.679	ng/u1	99
91) Benzo(k)fluoranthene	23.345	252	2161697	46.101	ng/u1	99
93) Benzo(a)pyrene	23.992	252	964100	22.660	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.692	276	505790	9.230	ng/u1#	94
96) Benzo(g,h,i)perylene	27.486	276	337759	7.720	ng/u1	98

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

Instrument :

BNA_M

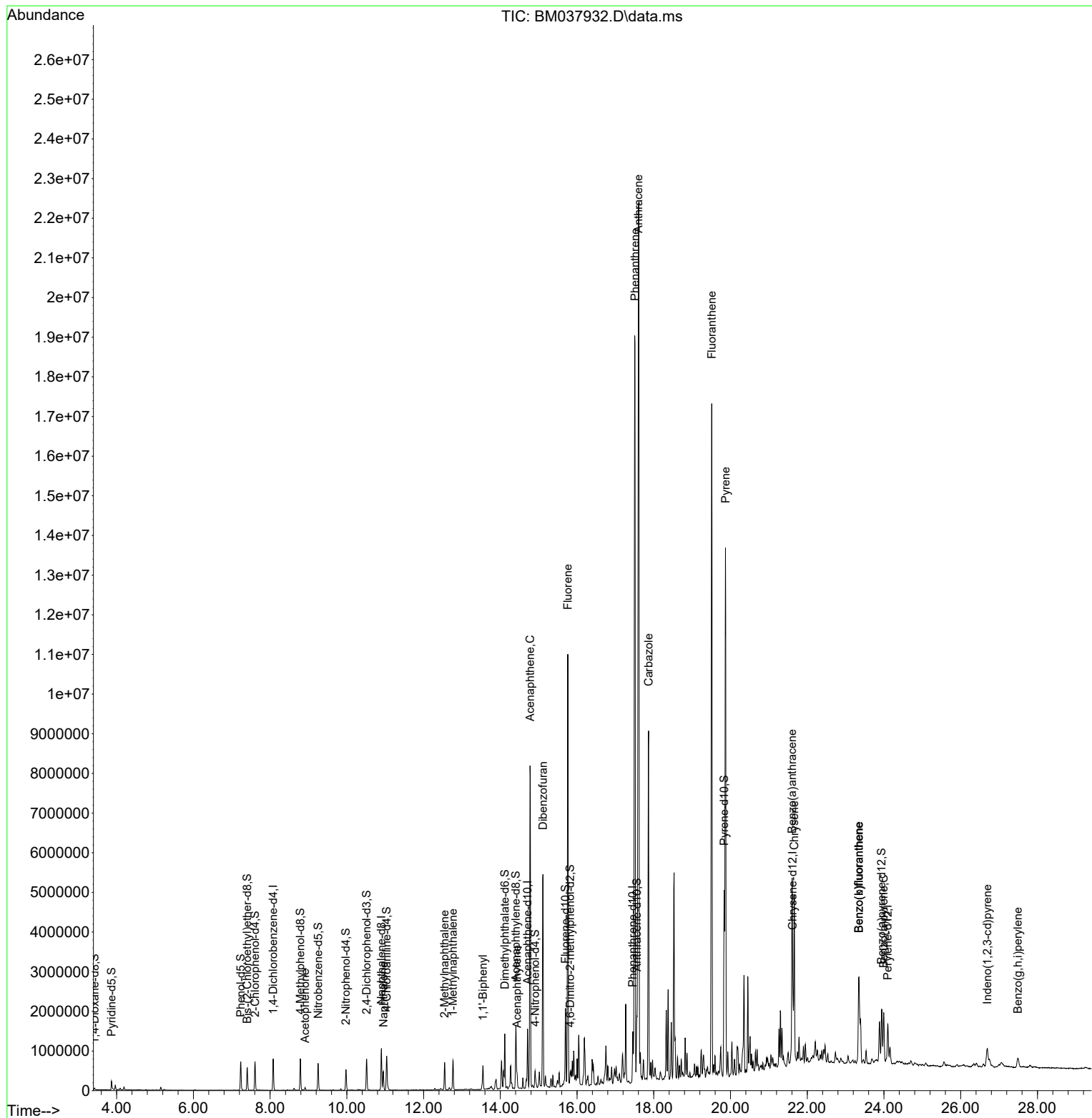
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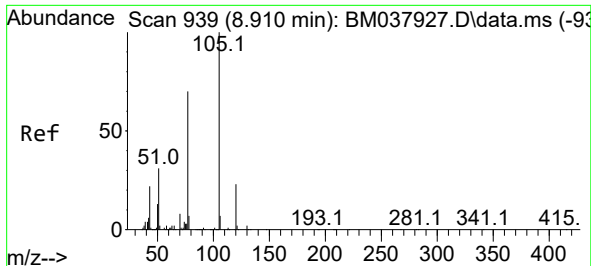
DBXL5ME

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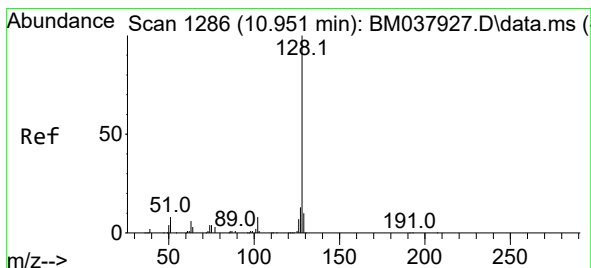
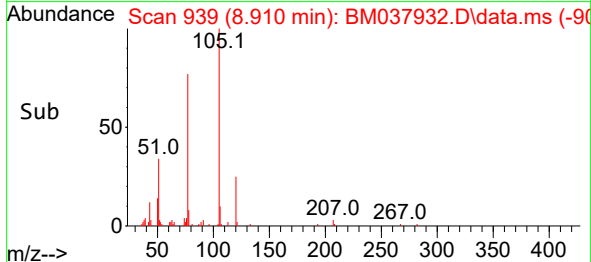
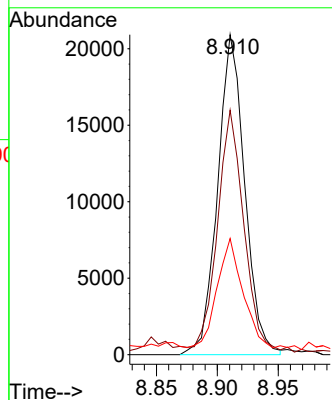
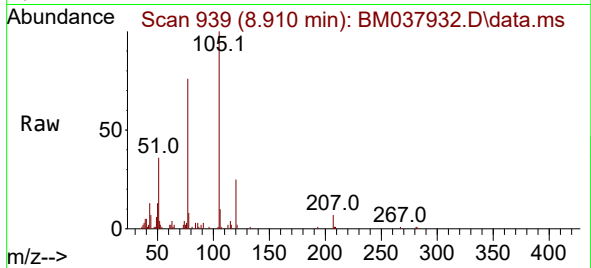




#16
Acetophenone
Concen: 1.518 ng/ul
RT: 8.910 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM037932.D
Acq: 10 Dec 2022 13:21

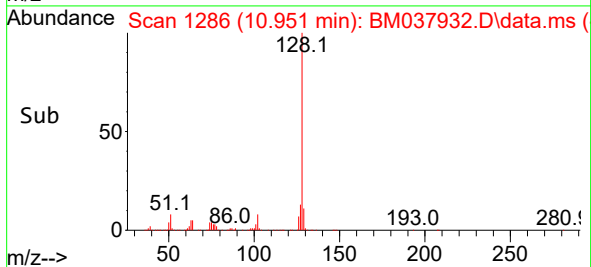
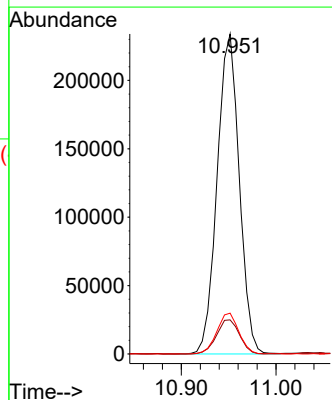
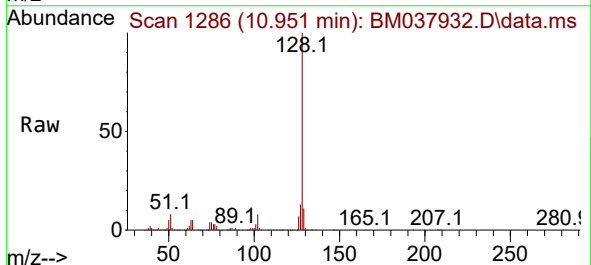
Instrument :
BNA_M
ClientSampleId :
DBXL5ME

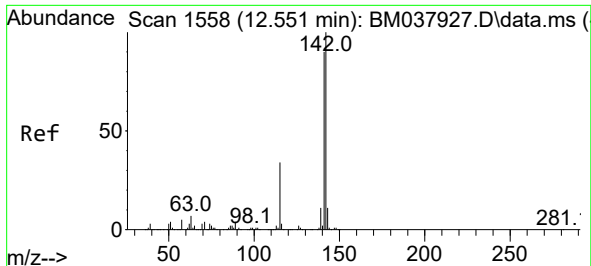
Tgt Ion:105 Resp: 32413
Ion Ratio Lower Upper
105 100
77 76.4 59.7 89.5
51 36.3 27.2 40.8



#30
Naphthalene
Concen: 8.209 ng/ul
RT: 10.951 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM037932.D
Acq: 10 Dec 2022 13:21

Tgt Ion:128 Resp: 379890
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.4
127 12.8 10.4 15.6

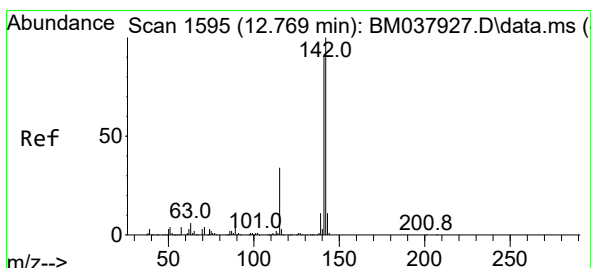
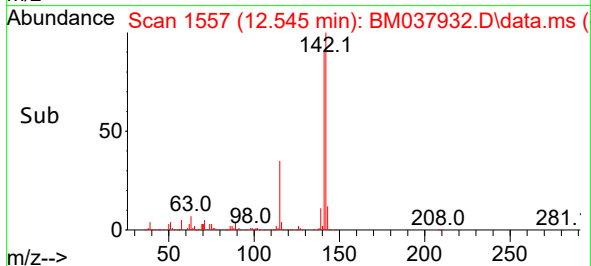
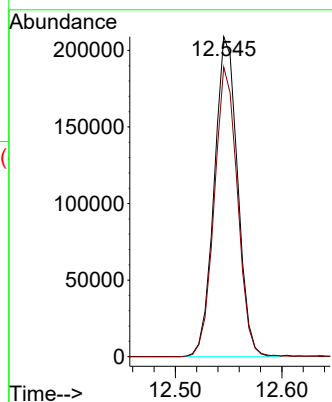
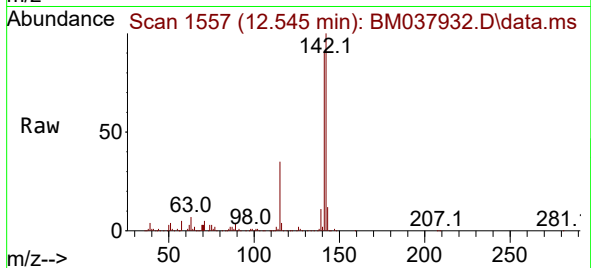




#36
2-Methylnaphthalene
Concen: 10.591 ng/ul
RT: 12.545 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BM037932.D
Acq: 10 Dec 2022 13:21

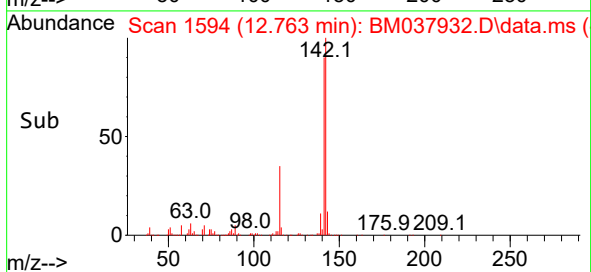
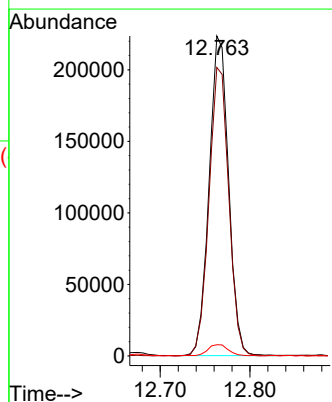
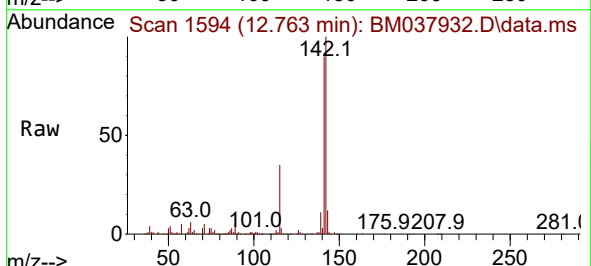
Instrument :
BNA_M
ClientSampleId :
DBXL5ME

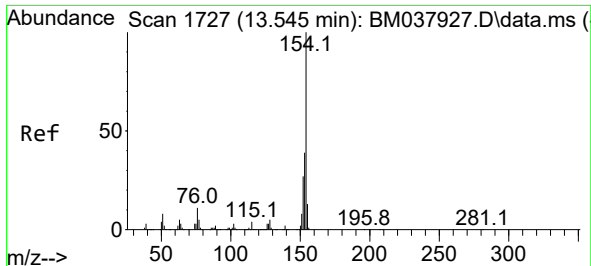
Tgt Ion:142 Resp: 317896
Ion Ratio Lower Upper
142 100
141 90.5 69.4 104.0



#37
1-Methylnaphthalene
Concen: 10.956 ng/ul
RT: 12.763 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BM037932.D
Acq: 10 Dec 2022 13:21

Tgt Ion:142 Resp: 336273
Ion Ratio Lower Upper
142 100
141 90.1 72.4 108.6
116 3.5 2.9 4.3

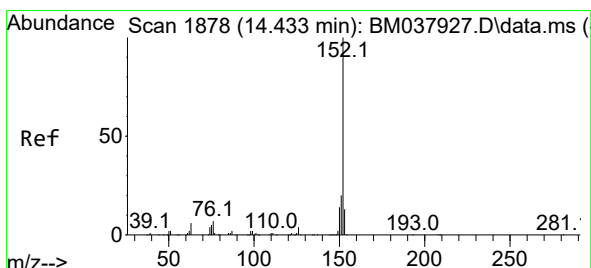
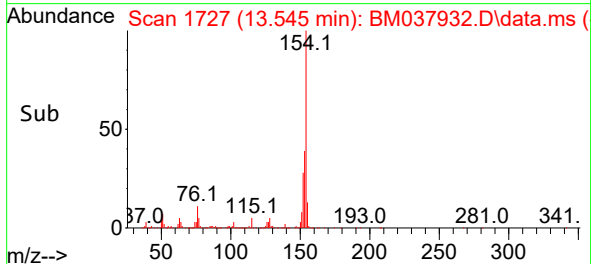
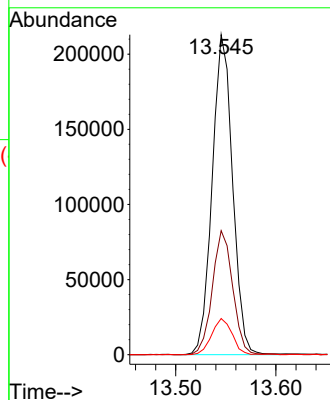
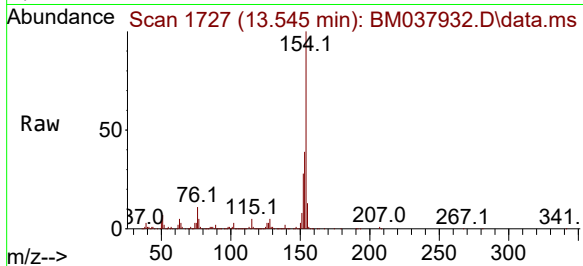




#43
1,1'-Biphenyl
Concen: 7.653 ng/ul
RT: 13.545 min Scan# 1727
Delta R.T. -0.006 min
Lab File: BM037932.D
Acq: 10 Dec 2022 13:21

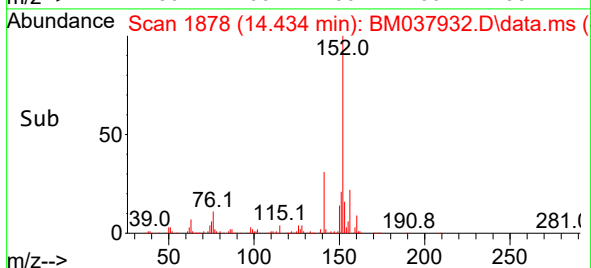
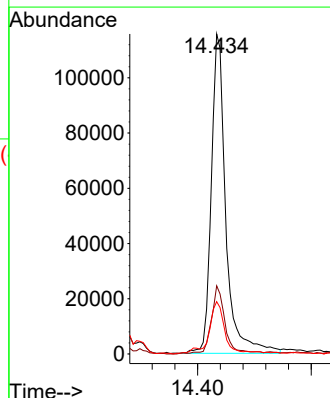
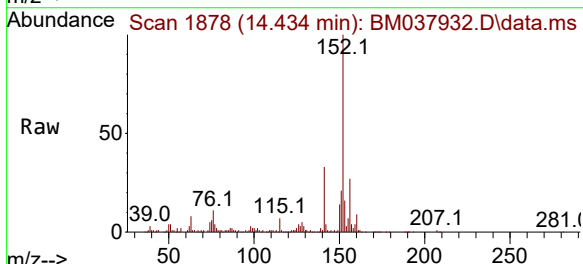
Instrument :
BNA_M
ClientSampleId :
DBXL5ME

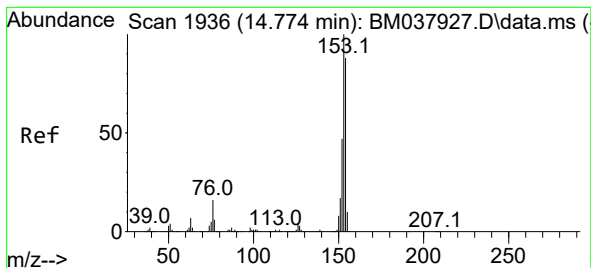
Tgt Ion:154 Resp: 301142
Ion Ratio Lower Upper
154 100
153 38.7 31.2 46.8
76 11.3 9.3 13.9



#50
Acenaphthylene
Concen: 4.359 ng/ul
RT: 14.434 min Scan# 1878
Delta R.T. -0.006 min
Lab File: BM037932.D
Acq: 10 Dec 2022 13:21

Tgt Ion:152 Resp: 204429
Ion Ratio Lower Upper
152 100
151 21.3 15.3 22.9
153 16.3 10.2 15.4#





#52

Acenaphthene

Concen: 101.837 ng/ul

RT: 14.775 min Scan# 1936

Delta R.T. 0.000 min

Lab File: BM037932.D

Acq: 10 Dec 2022 13:21

Instrument :

BNA_M

ClientSampleId :

DBXL5ME

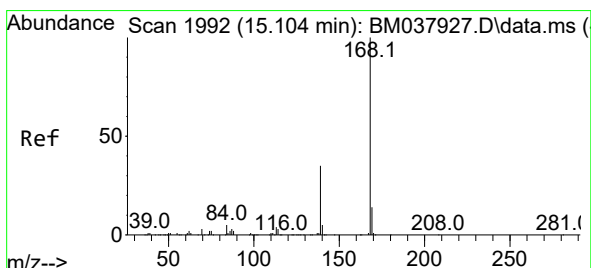
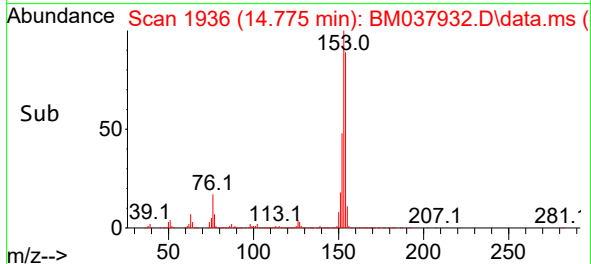
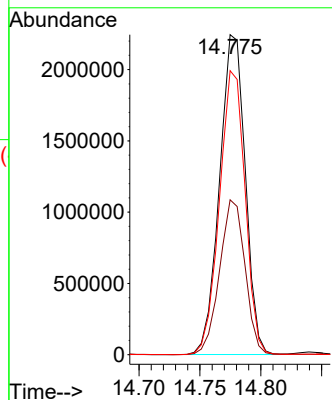
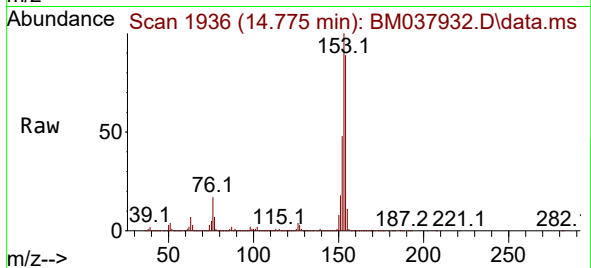
Tgt Ion:153 Resp: 3303787

Ion Ratio Lower Upper

153 100

152 48.4 38.2 57.4

154 88.7 71.4 107.0



#56

Dibenzofuran

Concen: 77.987 ng/ul

RT: 15.110 min Scan# 1993

Delta R.T. 0.000 min

Lab File: BM037932.D

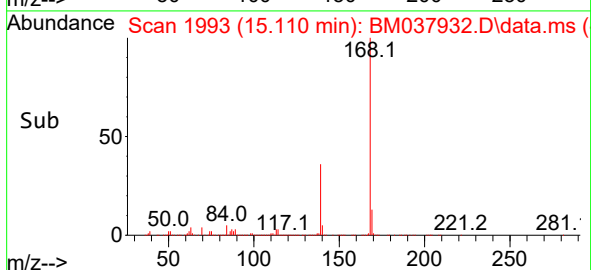
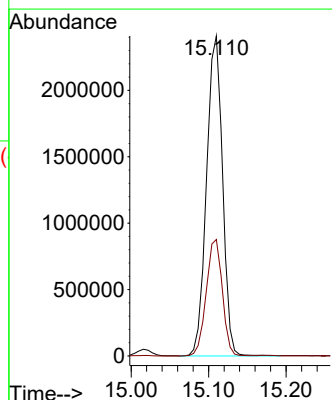
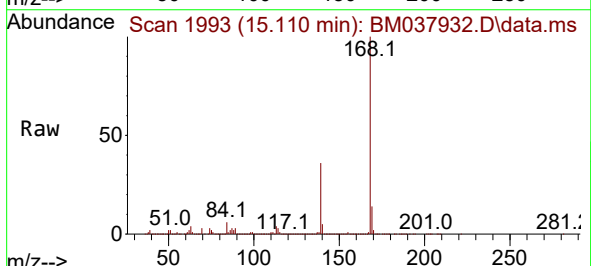
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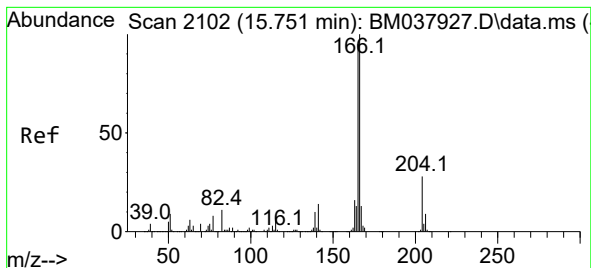
Tgt Ion:168 Resp: 3454183

Ion Ratio Lower Upper

168 100

139 36.4 28.1 42.1





#61

Fluorene

Concen: 139.440 ng/ul

RT: 15.757 min Scan# 2102

Delta R.T. 0.000 min

Lab File: BM037932.D

Acq: 10 Dec 2022 13:21

Instrument :

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ClientSampleId :

DBXL5ME

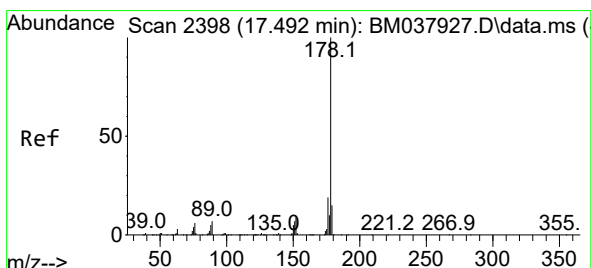
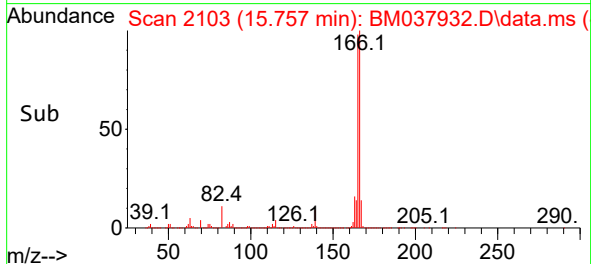
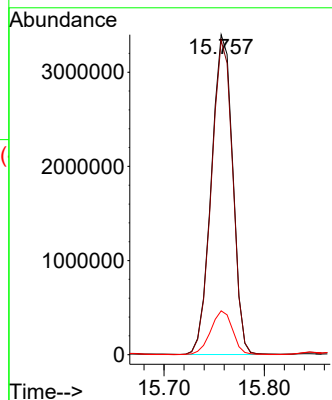
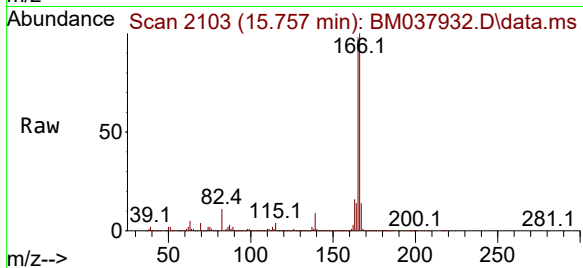
Tgt Ion:166 Resp: 5036759

Ion Ratio Lower Upper

166 100

165 98.2 77.2 115.8

167 13.7 10.4 15.6



#72

Phenanthrene

Concen: 282.729 ng/ul

RT: 17.510 min Scan# 2401

Delta R.T. 0.018 min

Lab File: BM037932.D

Acq: 10 Dec 2022 13:21

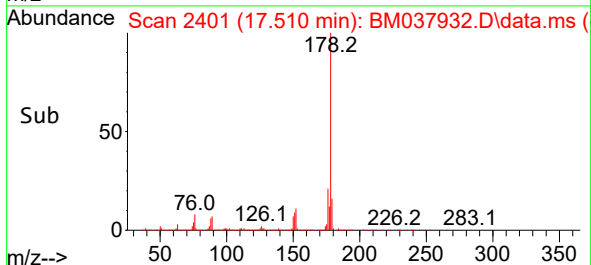
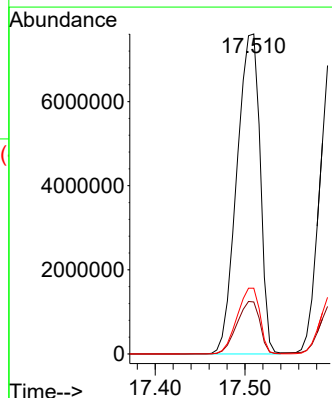
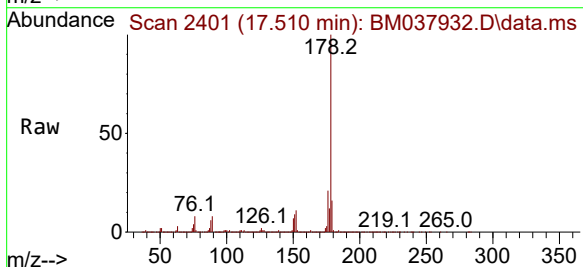
Tgt Ion:178 Resp:13667487

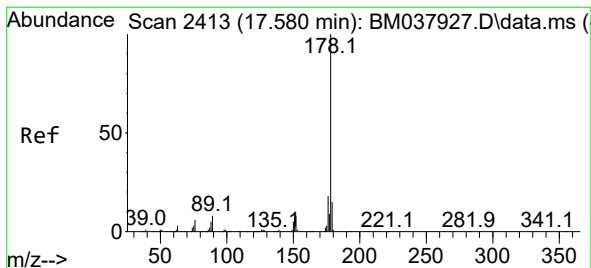
Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.2

176 20.6 15.4 23.0





#74

Anthracene

Concen: 355.012 ng/ul

RT: 17.598 min Scan# 2413

Delta R.T. 0.012 min

Lab File: BM037932.D

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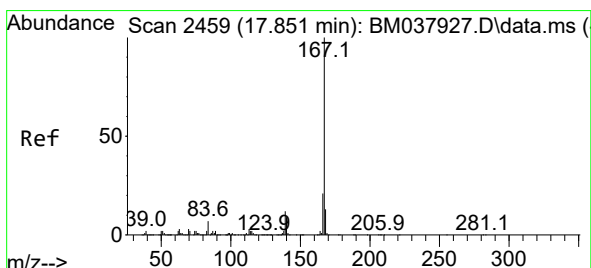
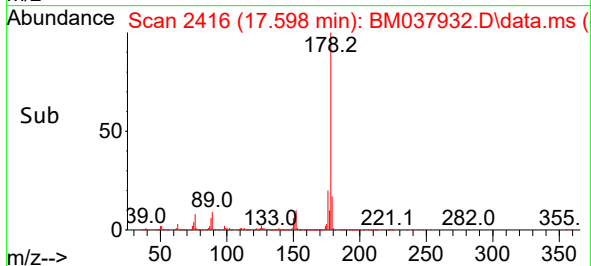
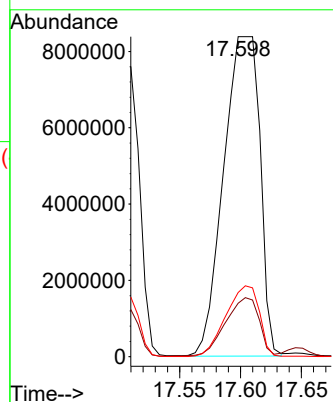
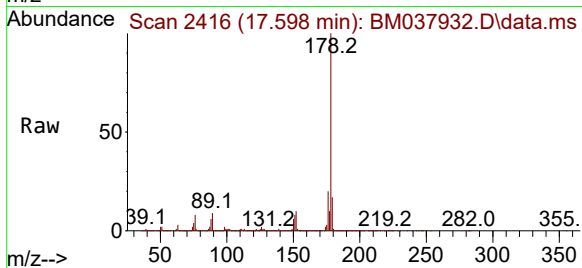
Tgt Ion:178 Resp:17440657

Ion Ratio Lower Upper

178 100

179 16.7 11.8 17.8

176 20.1 15.0 22.6



#77

Carbazole

Concen: 134.887 ng/ul

RT: 17.863 min Scan# 2461

Delta R.T. 0.006 min

Lab File: BM037932.D

Acq: 10 Dec 2022 13:21

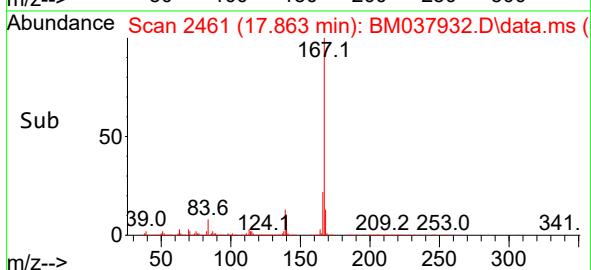
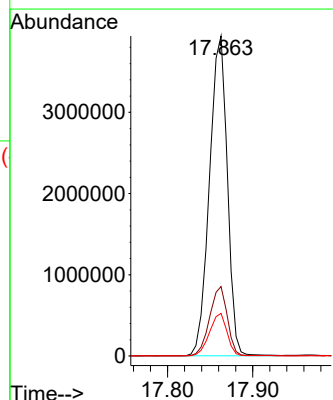
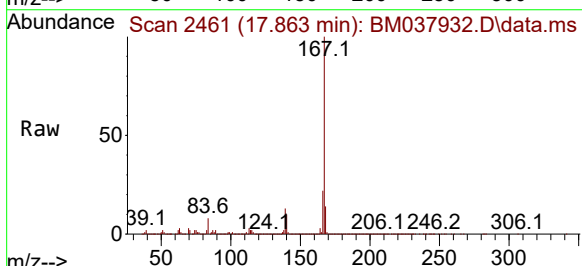
Tgt Ion:167 Resp: 5741146

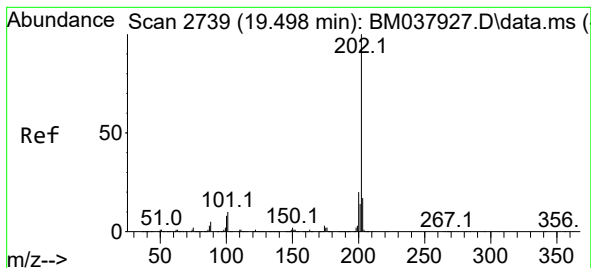
Ion Ratio Lower Upper

167 100

166 21.7 16.7 25.1

139 13.3 9.8 14.6





#80

Fluoranthene

Concen: 240.974 ng/ul

RT: 19.510 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM037932.D

Acq: 10 Dec 2022 13:21

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DBXL5ME

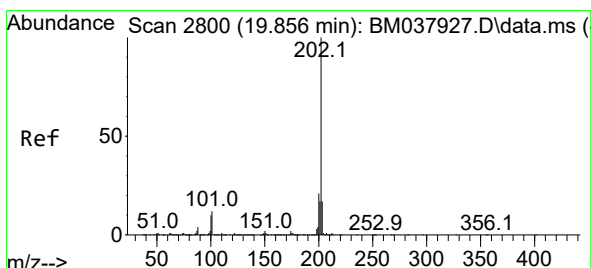
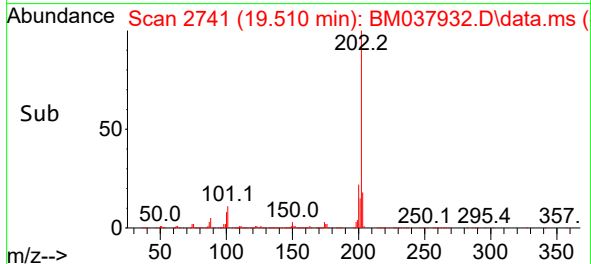
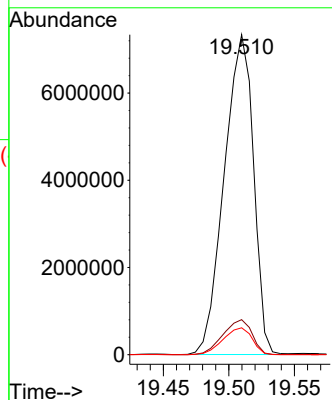
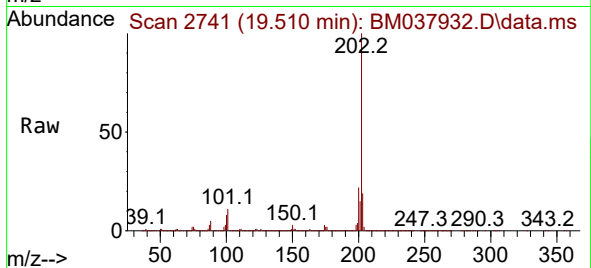
Tgt Ion:202 Resp:11380828

Ion Ratio Lower Upper

202 100

101 11.0 8.6 13.0

100 8.4 6.6 10.0



#82

Pyrene

Concen: 179.064 ng/ul

RT: 19.869 min Scan# 2802

Delta R.T. 0.006 min

Lab File: BM037932.D

Acq: 10 Dec 2022 13:21

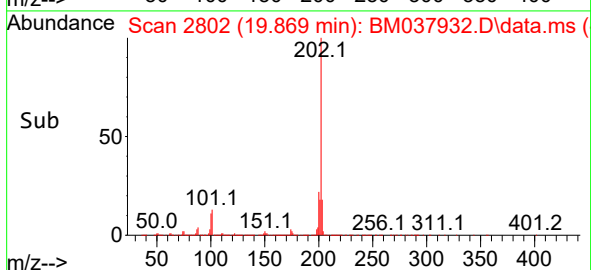
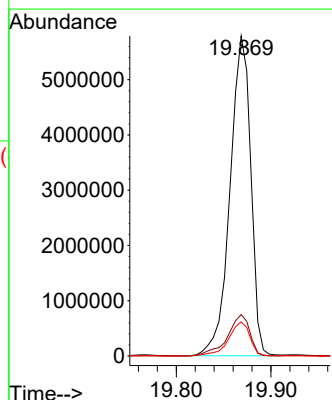
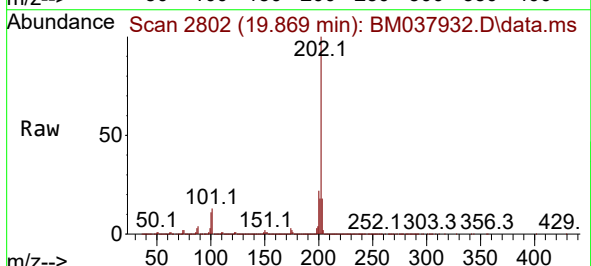
Tgt Ion:202 Resp: 8801435

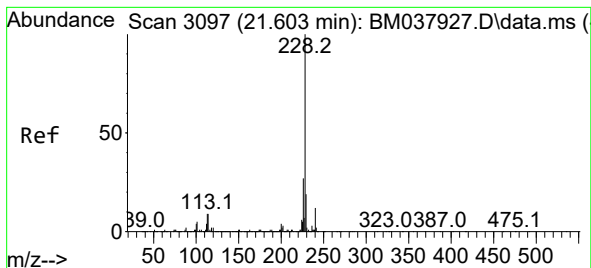
Ion Ratio Lower Upper

202 100

101 13.0 10.0 15.0

100 10.7 7.9 11.9





#85

Benzo(a)anthracene

Concen: 52.405 ng/u1

RT: 21.604 min Scan# 3097

Delta R.T. 0.000 min

Lab File: BM037932.D

Acq: 10 Dec 2022 13:21

Instrument :

BNA_M

ClientSampleId :

DBXL5ME

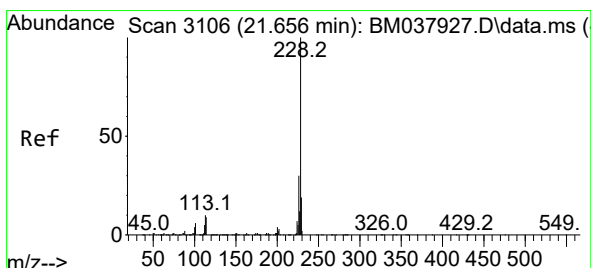
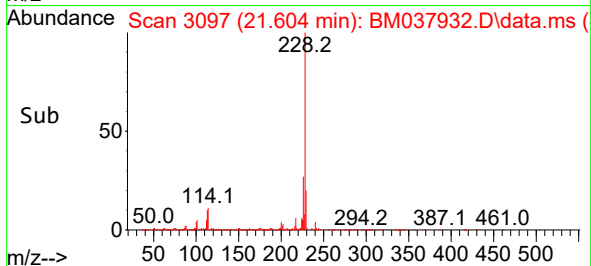
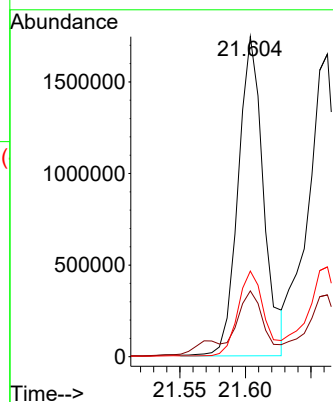
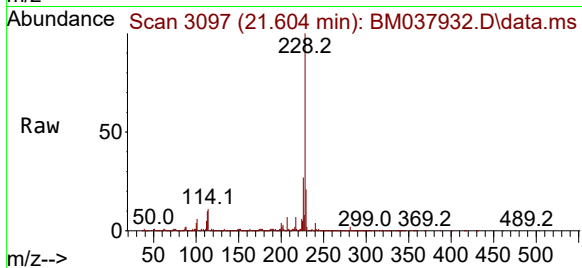
Tgt Ion:228 Resp: 2350343

Ion Ratio Lower Upper

228 100

229 20.6 15.5 23.3

226 26.7 21.8 32.8



#87

Chrysene

Concen: 59.490 ng/u1

RT: 21.663 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BM037932.D

Acq: 10 Dec 2022 13:21

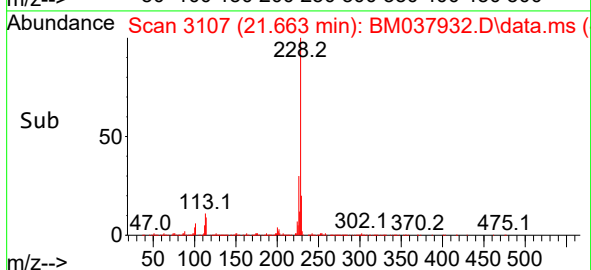
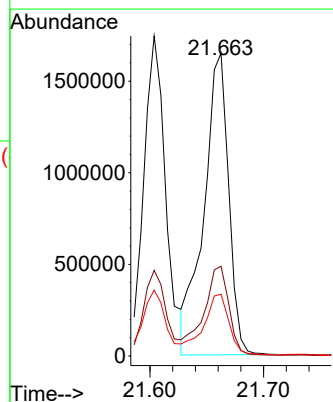
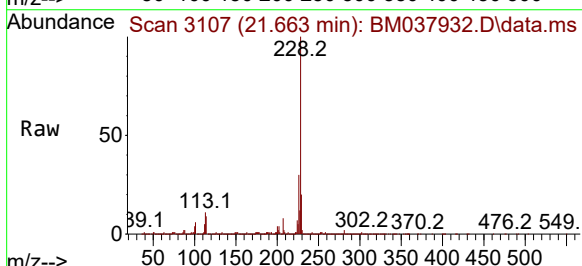
Tgt Ion:228 Resp: 2503365

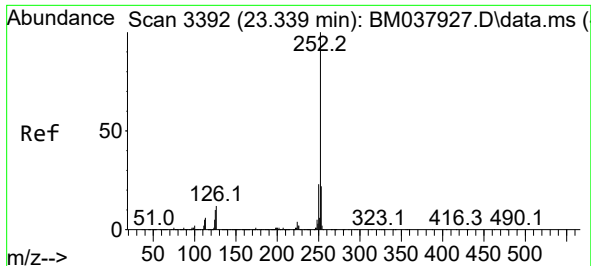
Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 20.4 15.6 23.4

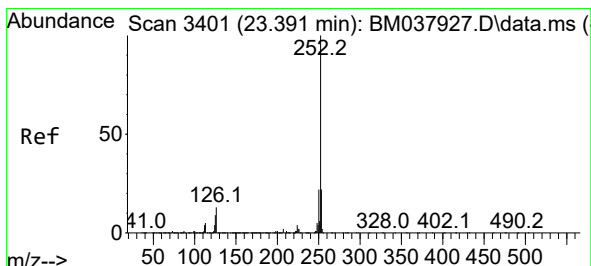
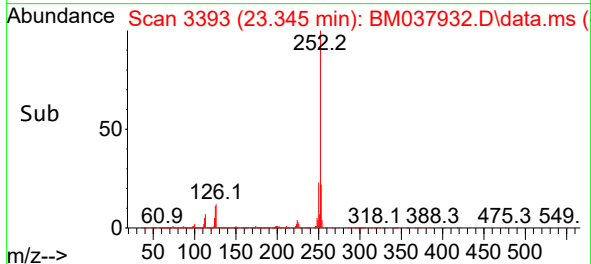
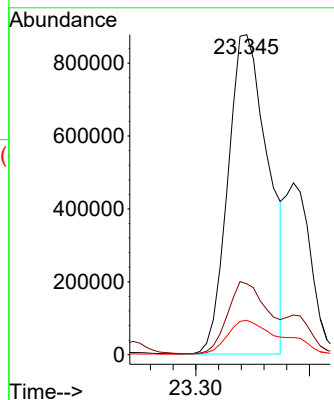
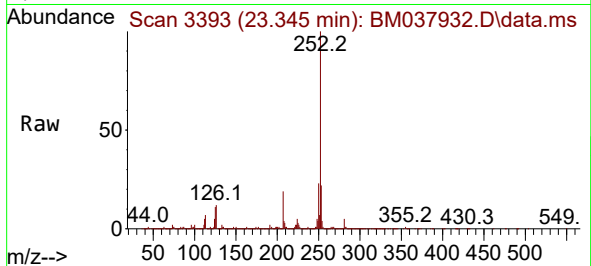




#90
Benzo(b)fluoranthene
Concen: 44.679 ng/ul
RT: 23.345 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM037932.D
Acq: 10 Dec 2022 13:21

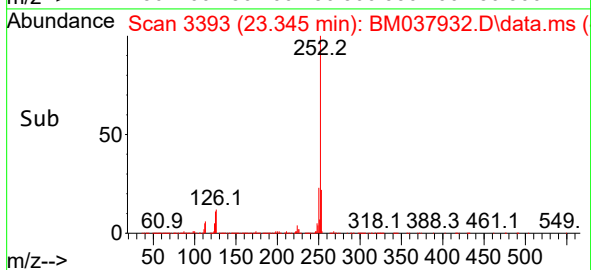
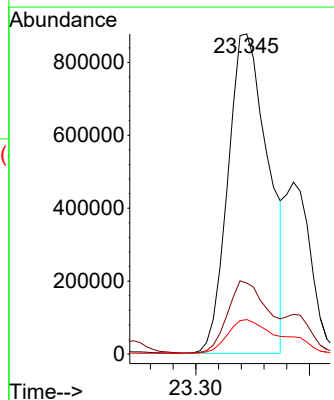
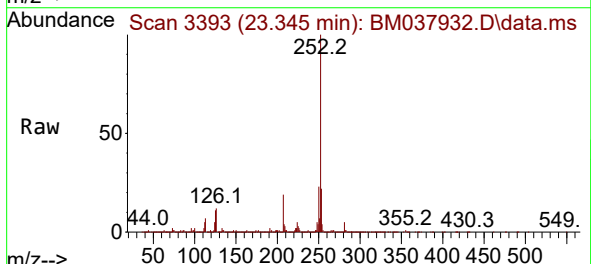
Instrument :
BNA_M
ClientSampleId :
DBXL5ME

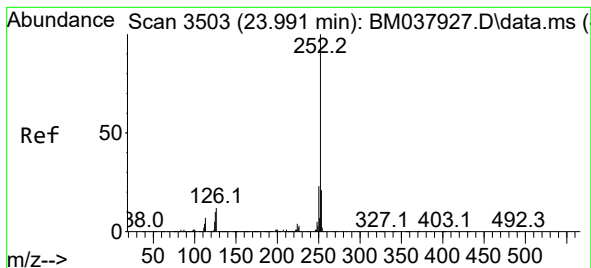
Tgt Ion:252 Resp: 2161697
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 10.7 8.0 12.0



#91
Benzo(k)fluoranthene
Concen: 46.101 ng/ul
RT: 23.345 min Scan# 3393
Delta R.T. -0.047 min
Lab File: BM037932.D
Acq: 10 Dec 2022 13:21

Tgt Ion:252 Resp: 2161697
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 10.7 8.1 12.1





#93

Benzo(a)pyrene

Concen: 22.660 ng/ul

RT: 23.992 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM037932.D

Acq: 10 Dec 2022 13:21

Instrument :

BNA_M

ClientSampleId :

DBXL5ME

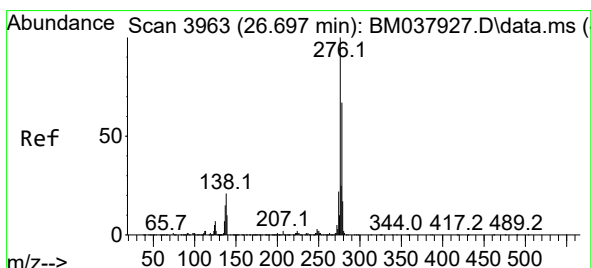
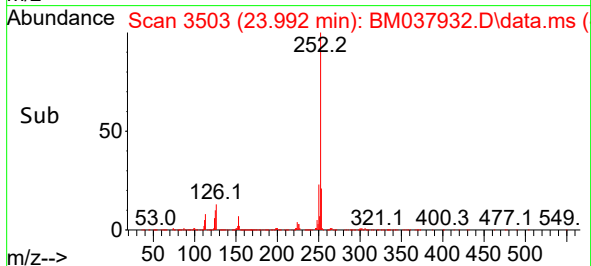
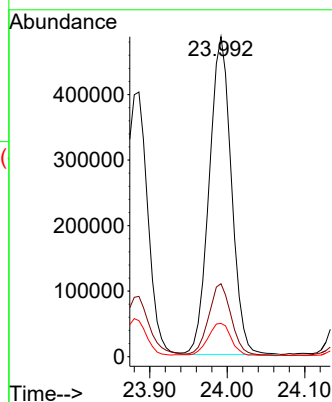
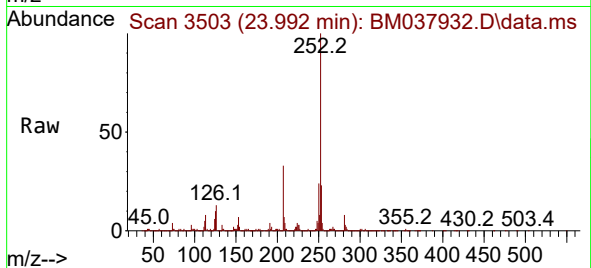
Tgt Ion:252 Resp: 964100

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 10.4 9.4 14.0



#94

Indeno(1,2,3-cd)pyrene

Concen: 9.230 ng/ul

RT: 26.692 min Scan# 3962

Delta R.T. -0.011 min

Lab File: BM037932.D

Acq: 10 Dec 2022 13:21

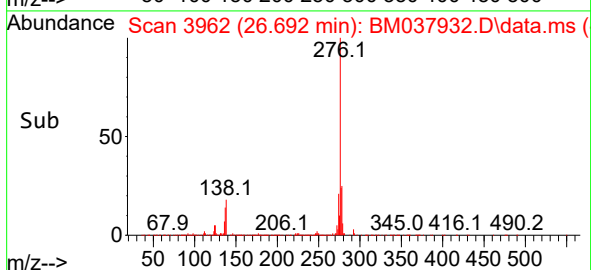
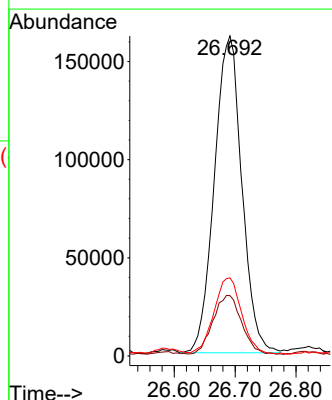
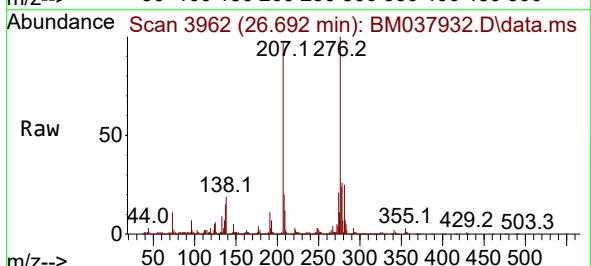
Tgt Ion:276 Resp: 505790

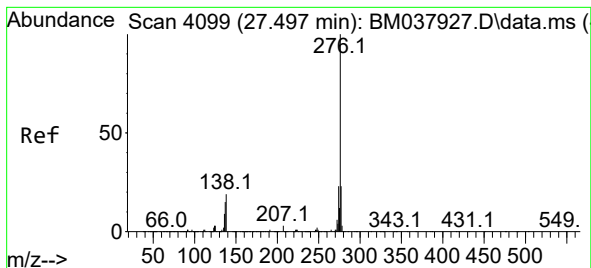
Ion Ratio Lower Upper

276 100

138 18.9 19.3 28.9#

277 24.4 19.8 29.8





#96

Benzo(g,h,i)perylene

Concen: 7.720 ng/ul

RT: 27.486 min Scan# 40

Delta R.T. -0.017 min

Lab File: BM037932.D

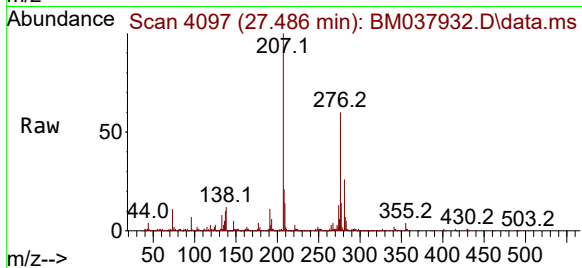
Acq: 10 Dec 2022 13:21

Instrument :

BNA_M

ClientSampleId :

DBXL5ME



Tgt Ion:276 Resp: 337759

Ion Ratio Lower Upper

276 100

138 20.1 17.1 25.7

277 23.8 18.2 27.4

