

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037880.D
 Acq On : 08 Dec 2022 10:59
 Operator : CG/JU
 Sample : N5832-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXK2

Quant Time: Dec 08 22:36:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 08 01:49:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.087	152	221549	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	860746	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.716	164	497080	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.457	188	980485	20.000	ng/u1	0.00
79) Chrysene-d12	21.633	240	778982	20.000	ng/u1	0.00
88) Perylene-d12	24.121	264	1035035	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	13929	2.855	ng/uL	0.00
4) Pyridine-d5	3.869	84	124285	8.586	ng/u1	0.00
7) Phenol-d5	7.240	99	340213	18.897	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	195851	17.866	ng/u1	0.00
11) 2-Chlorophenol-d4	7.616	132	275784	18.674	ng/u1	0.00
15) 4-Methylphenol-d8	8.793	113	270310	19.235	ng/u1	0.00
21) Nitrobenzene-d5	9.257	128	129081	18.941	ng/u1	0.00
24) 2-Nitrophenol-d4	9.981	143	135828	19.019	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	274723	20.252	ng/u1	0.00
31) 4-Chloroaniline-d4	11.045	131	201746	10.774	ng/u1	0.00
46) Dimethylphthalate-d6	14.122	166	777066	21.927	ng/u1	0.00
49) Acenaphthylene-d8	14.410	160	927672	21.418	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	99588	16.489	ng/u1	0.00
60) Fluorene-d10	15.704	176	735640	23.300	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	84754	16.168	ng/u1	0.00
73) Anthracene-d10	17.568	188	1068335	23.346	ng/u1	0.01
81) Pyrene-d10	19.839	212	1155910	24.702	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.968	264	1193985	23.095	ng/u1	0.02
Target Compounds						
					Qvalue	
8) Phenol	7.269	94	21709	1.202	ng/u1	95
16) Acetophenone	8.916	105	99401	4.497	ng/u1	99
30) Naphthalene	10.957	128	879945	18.944	ng/u1	100
36) 2-Methylnaphthalene	12.557	142	479286	15.909	ng/u1	97
37) 1-Methylnaphthalene	12.775	142	80722	2.620	ng/u1#	98
43) 1,1'-Biphenyl	13.551	154	178196	4.460	ng/u1	99
50) Acenaphthylene	14.439	152	706452	14.833	ng/u1	99
52) Acenaphthene	14.780	153	541975	16.453	ng/u1	99
56) Dibenzofuran	15.110	168	1516833	33.727	ng/u1	100
61) Fluorene	15.763	166	2390619	65.180	ng/u1	99
71) Pentachlorophenol	17.110	266	62374	8.744	ng/u1	97
72) Phenanthrene	17.504	178	5924387	110.645	ng/u1	99
74) Anthracene	17.504	178	5924387	108.875	ng/u1	98
77) Carbazole	17.868	167	6829500	144.866	ng/u1	98
80) Fluoranthene	19.510	202	8456868	153.134	ng/u1	99
82) Pyrene	19.880	202	12978094	225.804	ng/u1	98
85) Benzo(a)anthracene	21.615	228	5698570	108.660	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.515	149	43095	1.386	ng/u1#	71
87) Chrysene	21.674	228	9441913	191.888	ng/u1	97
90) Benzo(b)fluoranthene	23.380	252	14849908	231.423	ng/u1	97
91) Benzo(k)fluoranthene	23.380	252	14849908	238.788	ng/u1	97
93) Benzo(a)pyrene	24.027	252	7205475	127.694	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	26.733	276	4489298	61.774	ng/u1	98
95) Dibenzo(a,h)anthracene	26.633	278	165628	2.703	ng/u1	94

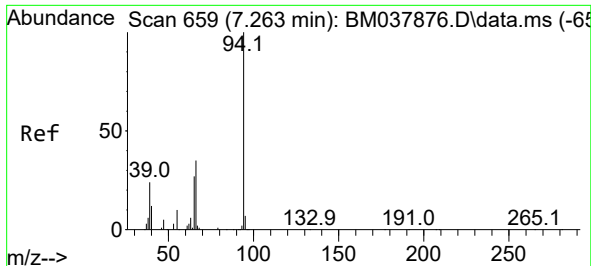
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
Data File : BM037880.D
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 08 01:49:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	27.544	276	3132755	53.992	ng/ul	97

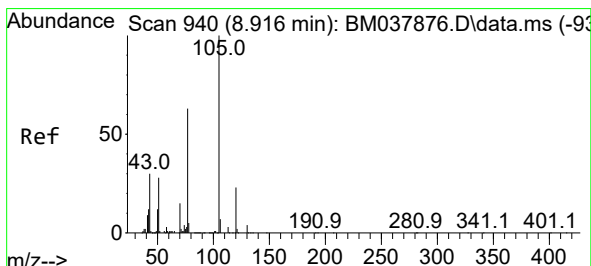
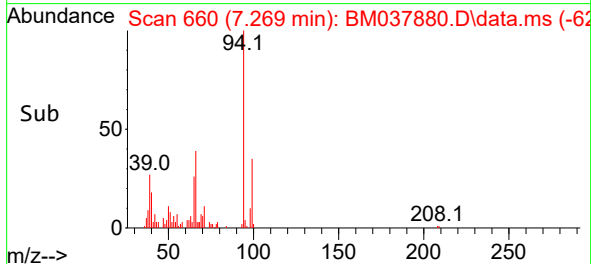
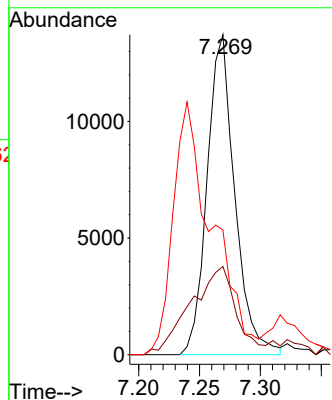
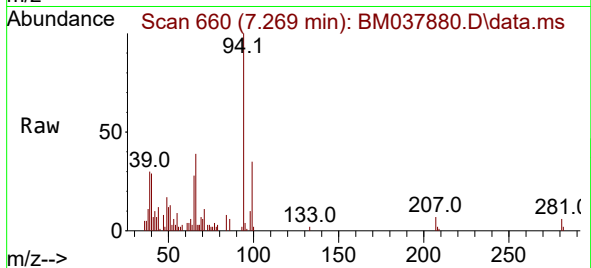
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Phenol
Concen: 1.202 ng/ul
RT: 7.269 min Scan# 660
Delta R.T. 0.000 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

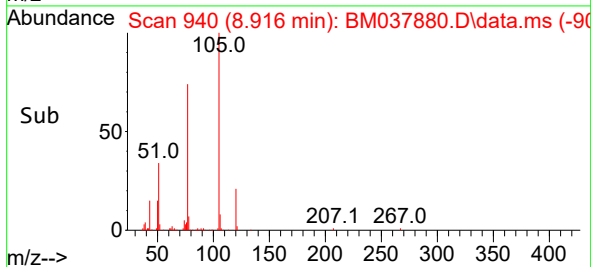
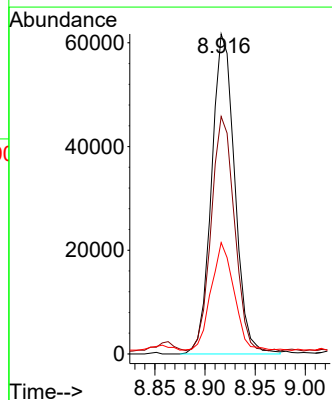
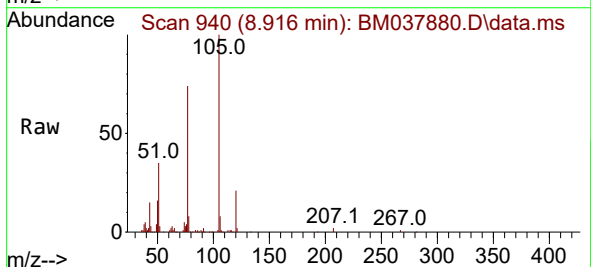
Instrument :
BNA_M
ClientSampleId :
DBXK2

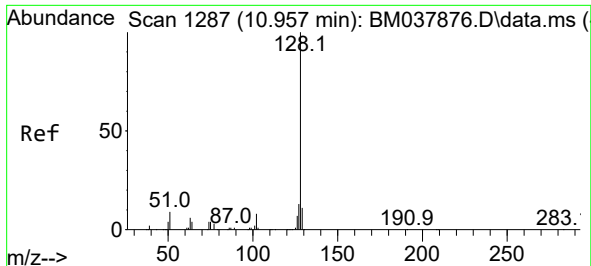
Tgt Ion: 94 Resp: 21709
Ion Ratio Lower Upper
94 100
65 27.5 22.2 33.4
66 39.0 27.3 40.9



#16
Acetophenone
Concen: 4.497 ng/ul
RT: 8.916 min Scan# 940
Delta R.T. -0.006 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

Tgt Ion: 105 Resp: 99401
Ion Ratio Lower Upper
105 100
77 74.2 59.7 89.5
51 34.8 27.2 40.8

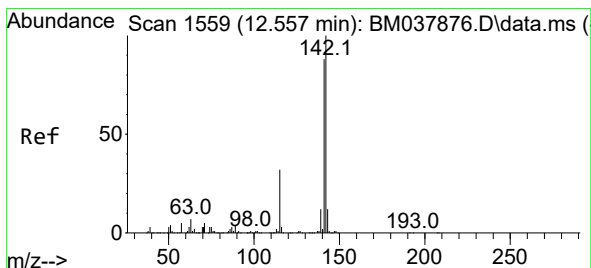
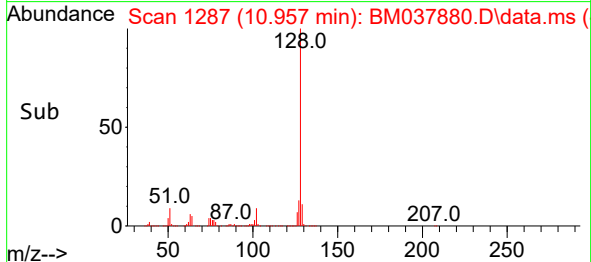
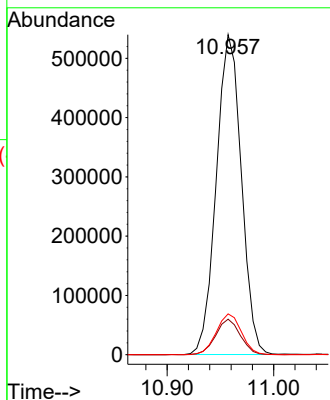
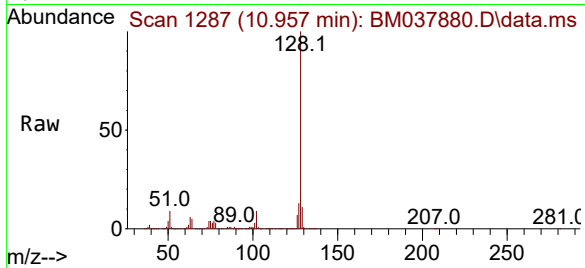




#30
Naphthalene
Concen: 18.944 ng/ul
RT: 10.957 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

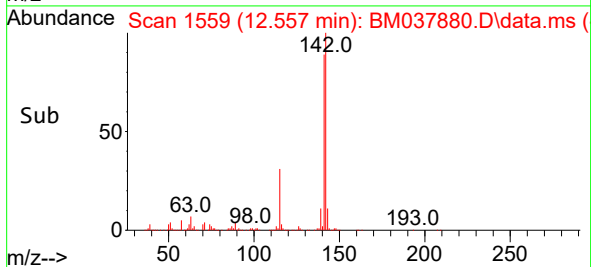
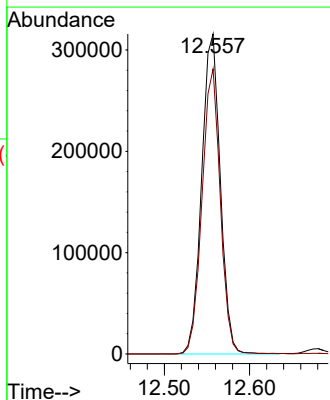
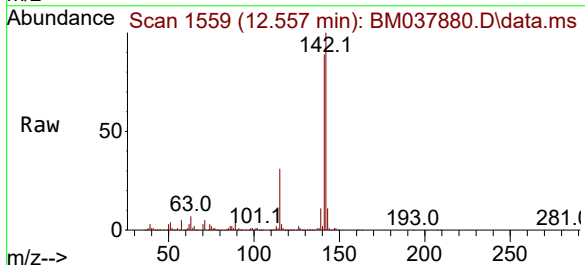
Instrument :
BNA_M
ClientSampleId :
DBXK2

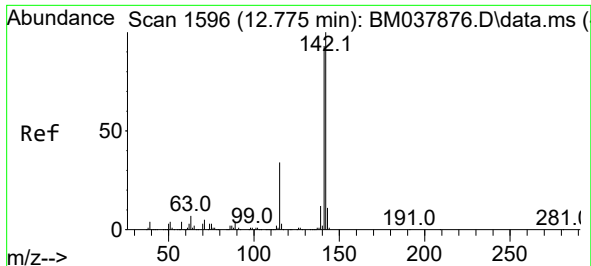
Tgt Ion:128 Resp: 879945
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.8 10.4 15.6



#36
2-Methylnaphthalene
Concen: 15.909 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

Tgt Ion:142 Resp: 479286
Ion Ratio Lower Upper
142 100
141 89.1 69.4 104.0





#37

1-Methylnaphthalene

Concen: 2.620 ng/ul

RT: 12.775 min Scan# 1596

Delta R.T. 0.000 min

Lab File: BM037880.D

Acq: 08 Dec 2022 10:59

Instrument :

BNA_M

ClientSampleId :

DBXK2

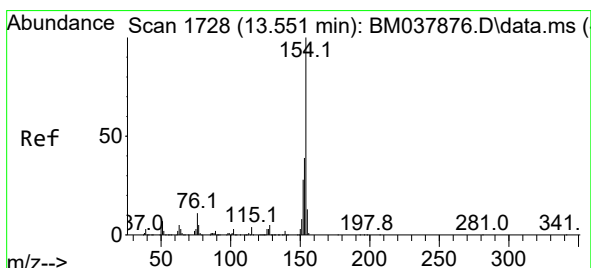
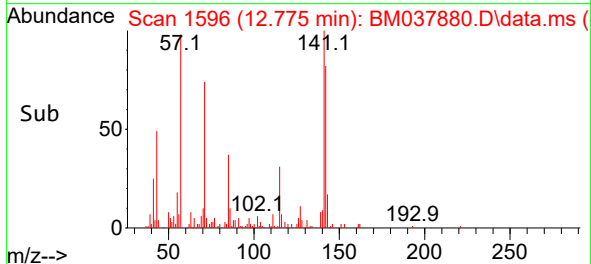
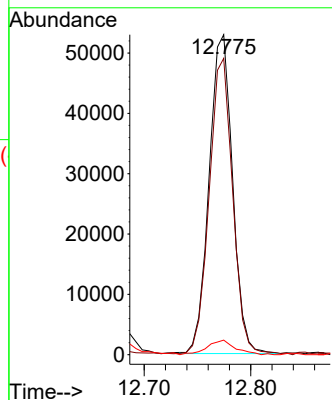
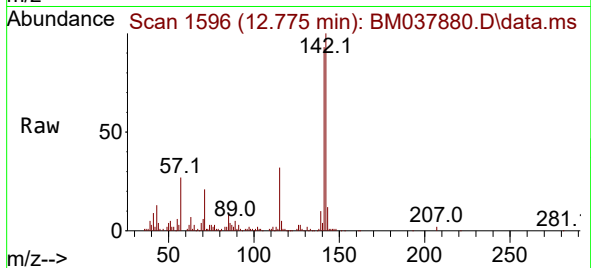
Tgt Ion:142 Resp: 80722

Ion Ratio Lower Upper

142 100

141 92.6 72.4 108.6

116 4.6 2.9 4.3#



#43

1,1'-Biphenyl

Concen: 4.460 ng/ul

RT: 13.551 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BM037880.D

Acq: 08 Dec 2022 10:59

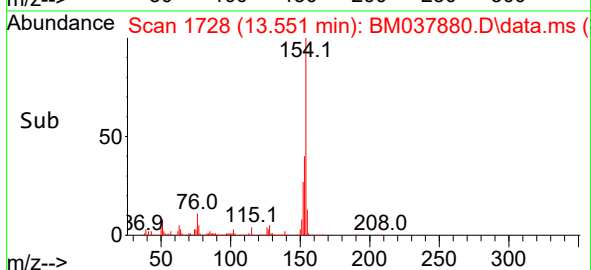
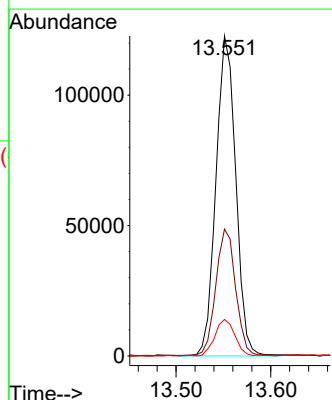
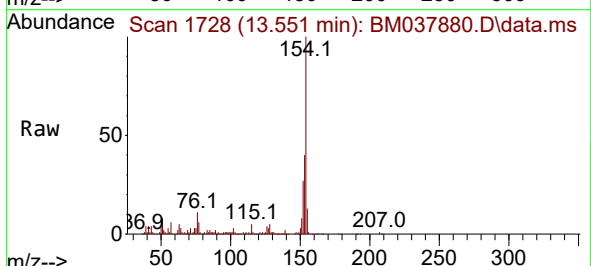
Tgt Ion:154 Resp: 178196

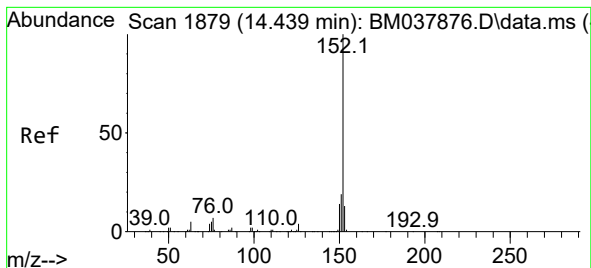
Ion Ratio Lower Upper

154 100

153 39.7 31.2 46.8

76 11.4 9.3 13.9





#50

Acenaphthylene

Concen: 14.833 ng/ul

RT: 14.439 min Scan# 1879

Delta R.T. -0.006 min

Lab File: BM037880.D

Acq: 08 Dec 2022 10:59

Instrument :

BNA_M

ClientSampleId :

DBXK2

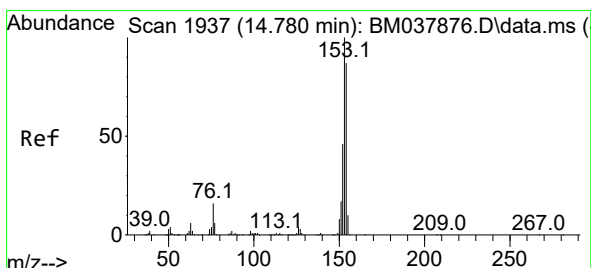
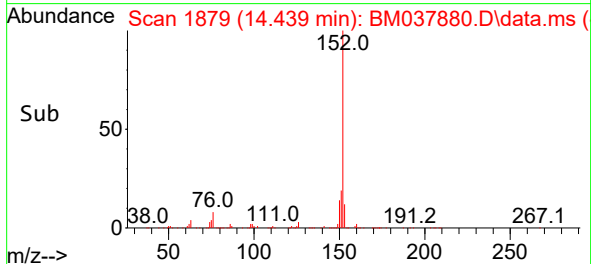
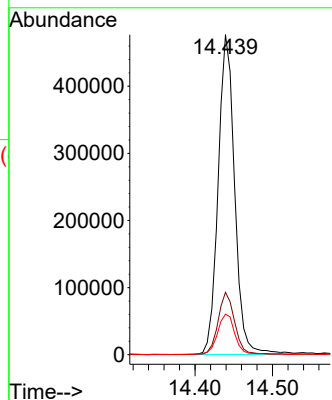
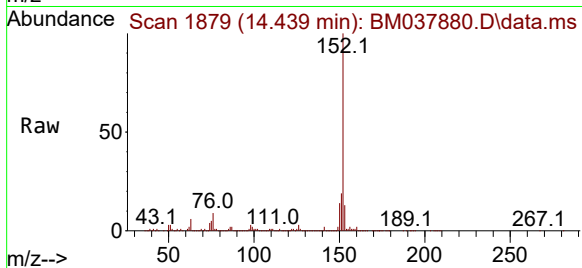
Tgt Ion:152 Resp: 706452

Ion Ratio Lower Upper

152 100

151 19.5 15.3 22.9

153 12.7 10.2 15.4



#52

Acenaphthene

Concen: 16.453 ng/ul

RT: 14.780 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BM037880.D

Acq: 08 Dec 2022 10:59

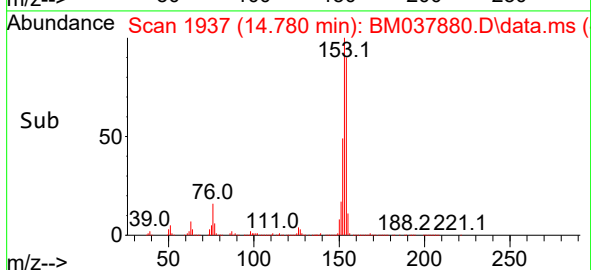
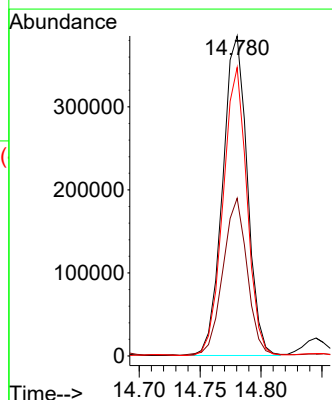
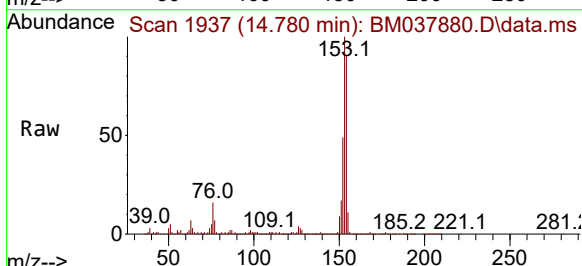
Tgt Ion:153 Resp: 541975

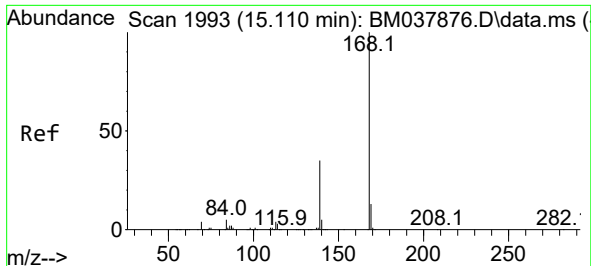
Ion Ratio Lower Upper

153 100

152 49.3 38.2 57.4

154 90.1 71.4 107.0

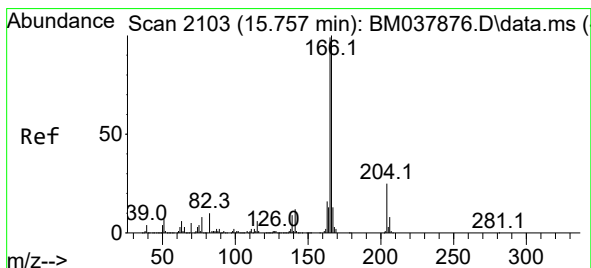
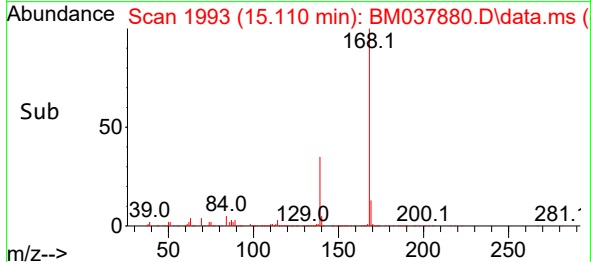
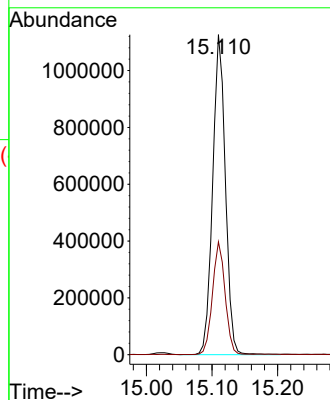
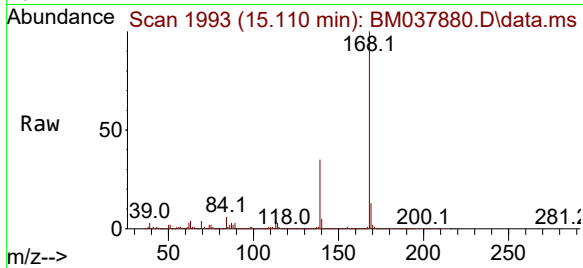




#56
Dibenzenofuran
Concen: 33.727 ng/ul
RT: 15.110 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

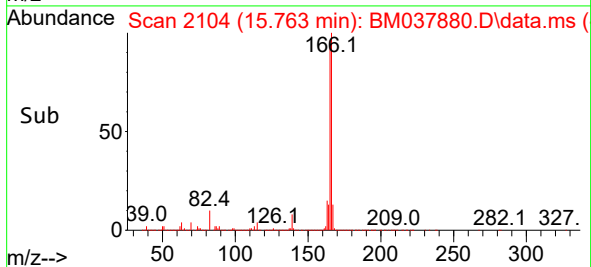
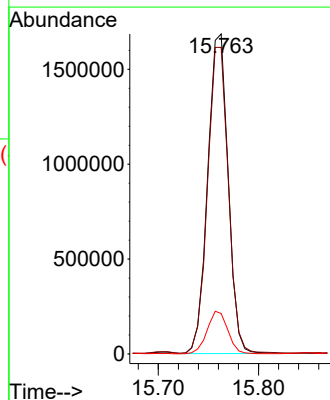
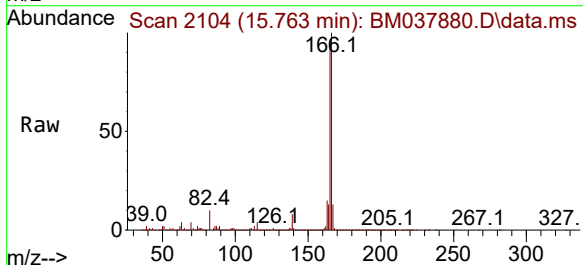
Instrument :
BNA_M
ClientSampleId :
DBXK2

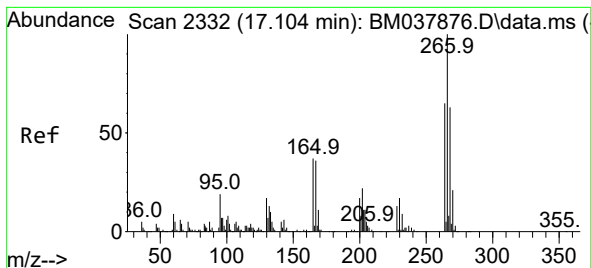
Tgt Ion:168 Resp: 1516833
Ion Ratio Lower Upper
168 100
139 35.3 28.1 42.1



#61
Fluorene
Concen: 65.180 ng/ul
RT: 15.763 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

Tgt Ion:166 Resp: 2390619
Ion Ratio Lower Upper
166 100
165 95.8 77.2 115.8
167 12.7 10.4 15.6





#71

Pentachlorophenol

Concen: 8.744 ng/ul

RT: 17.110 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM037880.D

Acq: 08 Dec 2022 10:59

Instrument :

BNA_M

ClientSampleId :

DBXK2

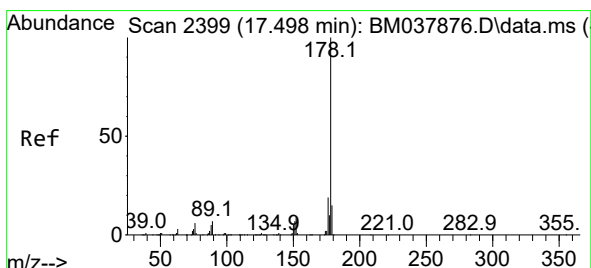
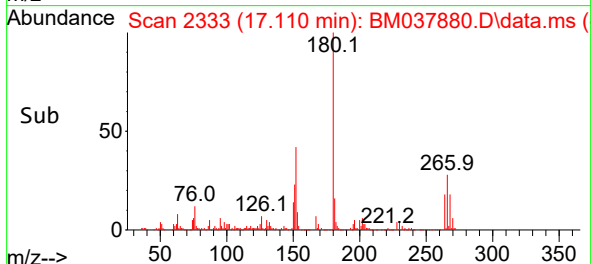
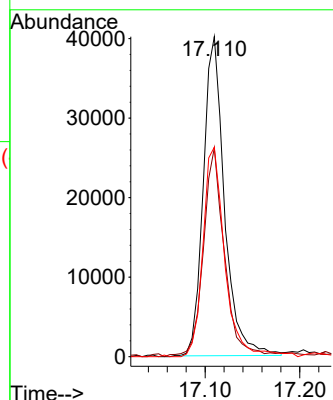
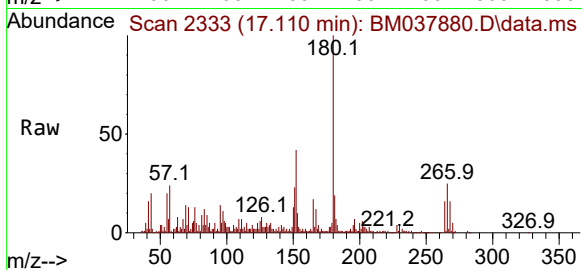
Tgt Ion:266 Resp: 62374

Ion Ratio Lower Upper

266 100

264 65.2 50.1 75.1

268 65.5 50.6 75.8



#72

Phenanthrene

Concen: 110.645 ng/ul

RT: 17.504 min Scan# 2400

Delta R.T. 0.006 min

Lab File: BM037880.D

Acq: 08 Dec 2022 10:59

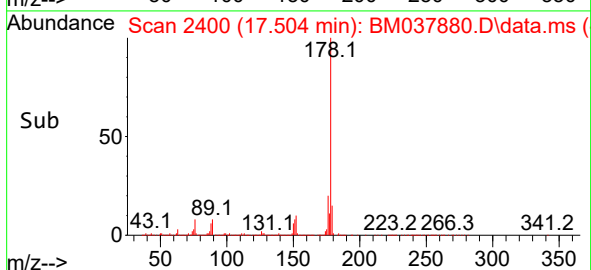
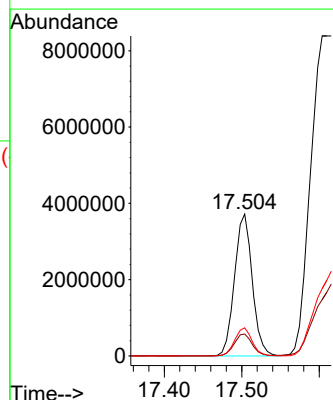
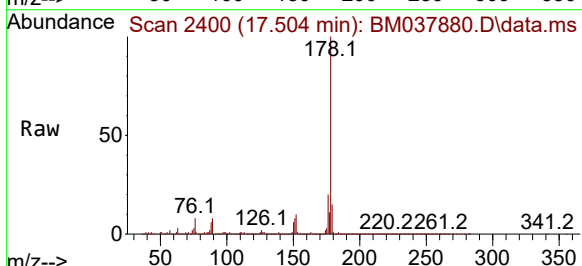
Tgt Ion:178 Resp: 5924387

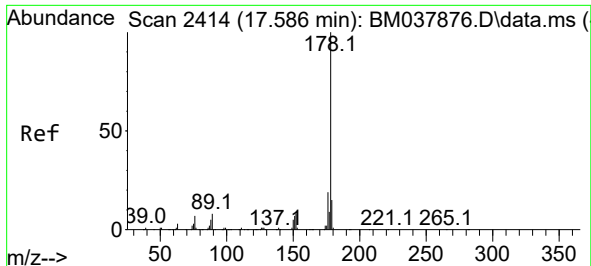
Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

176 19.8 15.4 23.0

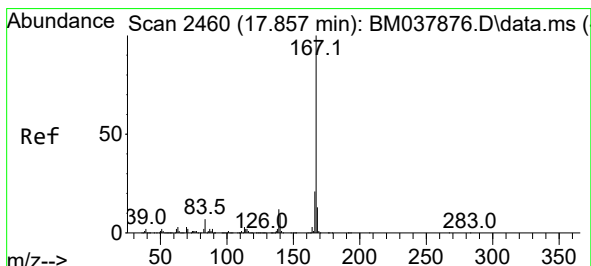
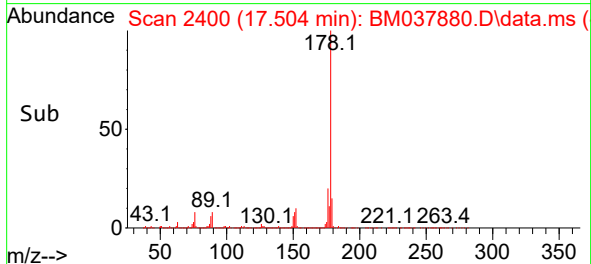
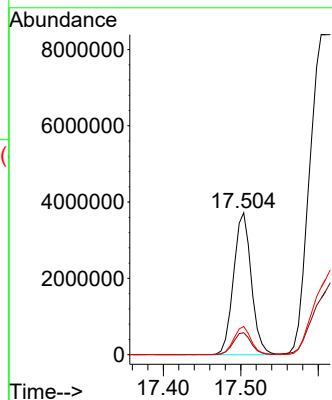
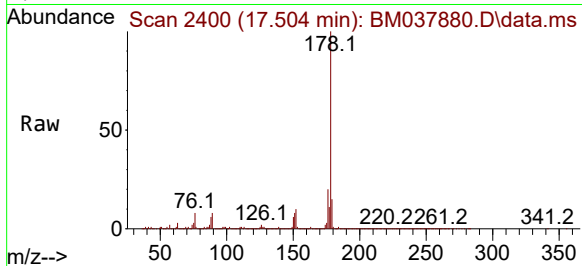




#74
 Anthracene
 Concen: 108.875 ng/ul
 RT: 17.504 min Scan# 2414
 Delta R.T. -0.088 min
 Lab File: BM037880.D
 Acq: 08 Dec 2022 10:59

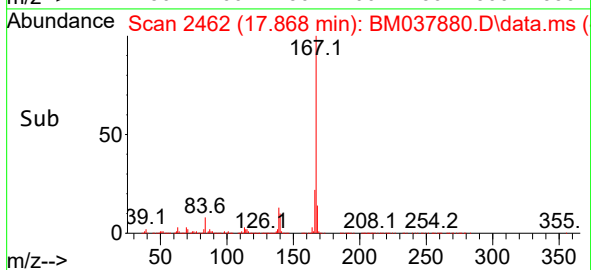
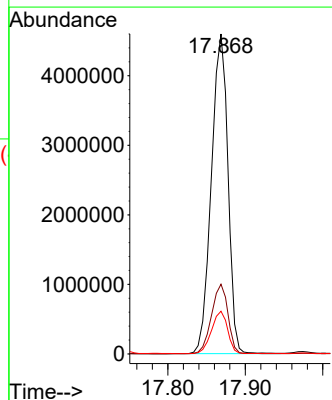
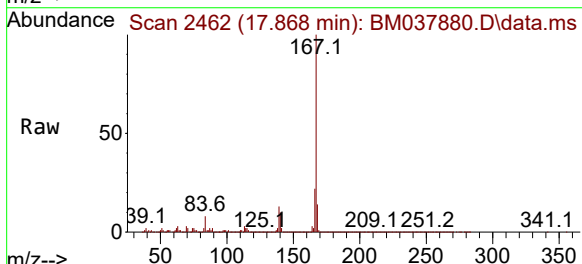
Instrument :
 BNA_M
 ClientSampleId :
 DBXK2

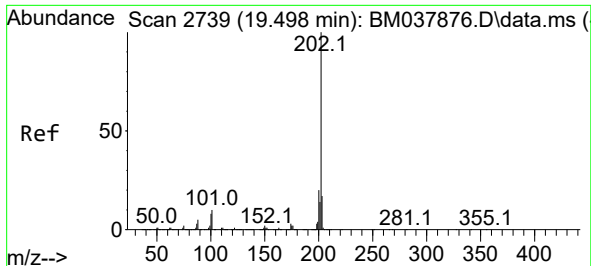
Tgt Ion:178 Resp: 5924387
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.8 17.8
 176 19.8 15.0 22.6



#77
 Carbazole
 Concen: 144.866 ng/ul
 RT: 17.868 min Scan# 2462
 Delta R.T. 0.012 min
 Lab File: BM037880.D
 Acq: 08 Dec 2022 10:59

Tgt Ion:167 Resp: 6829500
 Ion Ratio Lower Upper
 167 100
 166 21.8 16.7 25.1
 139 13.4 9.8 14.6

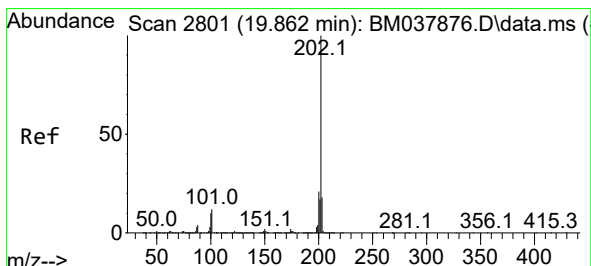
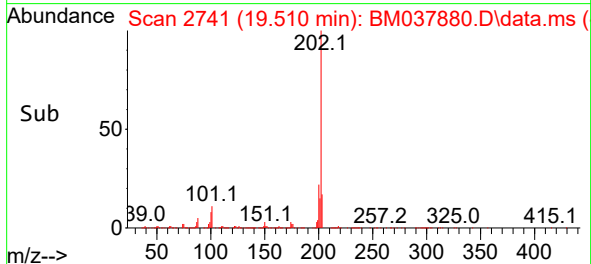
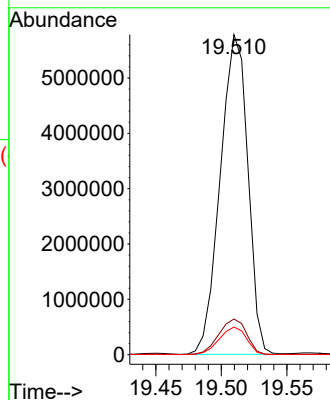
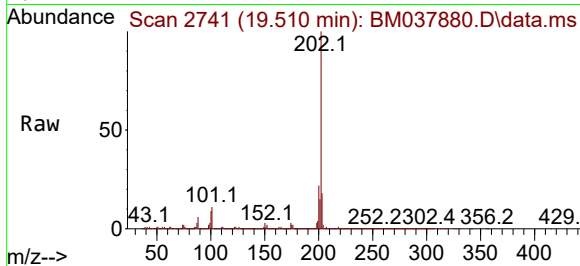




#80
Fluoranthene
Concen: 153.134 ng/ul
RT: 19.510 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

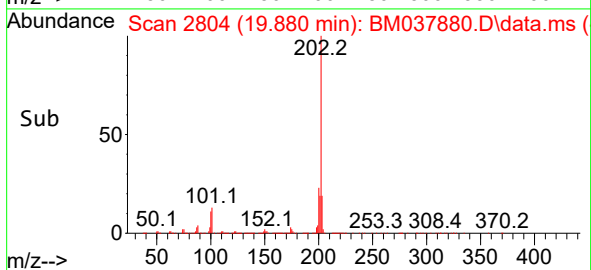
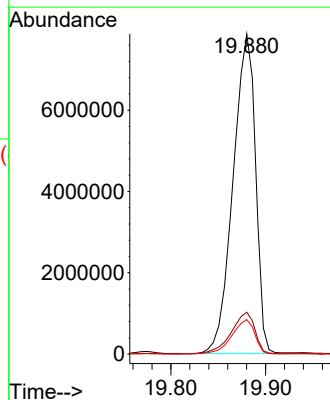
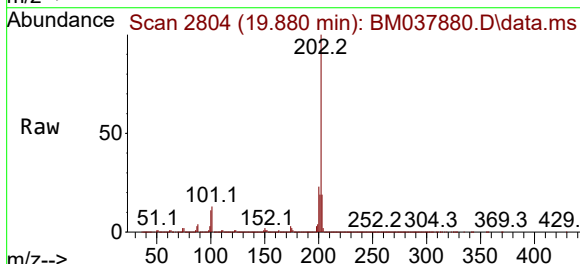
Instrument :
BNA_M
ClientSampleId :
DBXK2

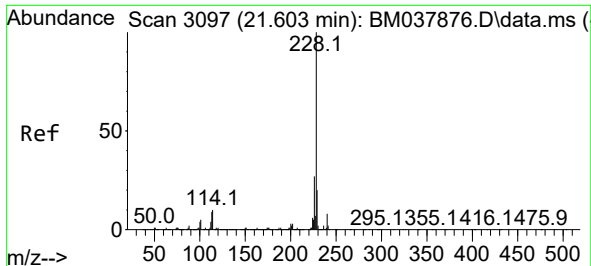
Tgt Ion:202 Resp: 8456868
Ion Ratio Lower Upper
202 100
101 11.2 8.6 13.0
100 8.7 6.6 10.0



#82
Pyrene
Concen: 225.804 ng/ul
RT: 19.880 min Scan# 2804
Delta R.T. 0.012 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

Tgt Ion:202 Resp:12978094
Ion Ratio Lower Upper
202 100
101 13.1 10.0 15.0
100 10.8 7.9 11.9

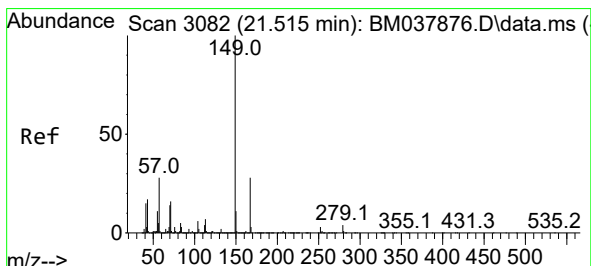
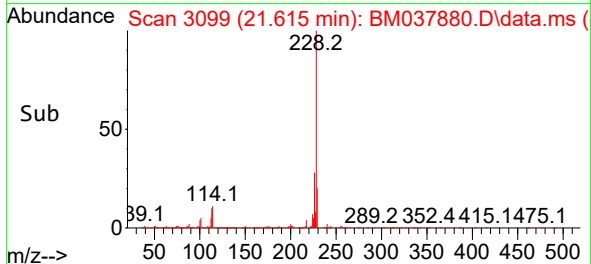
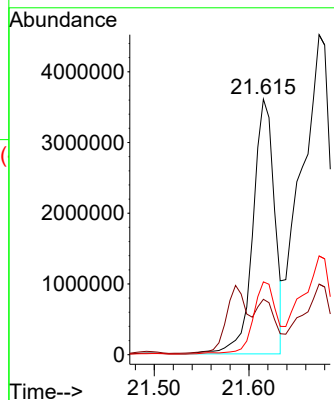
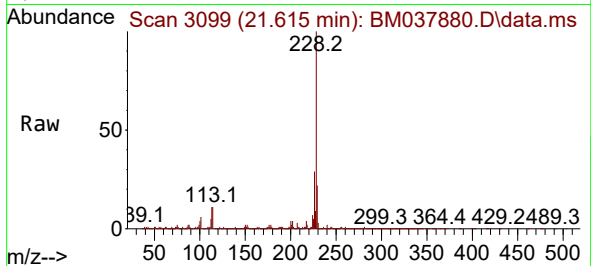




#85
Benzo(a)anthracene
Concen: 108.660 ng/ul
RT: 21.615 min Scan# 3099
Delta R.T. 0.006 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

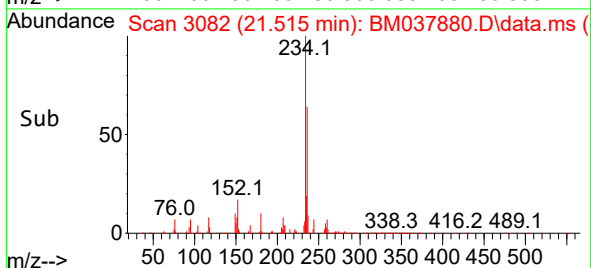
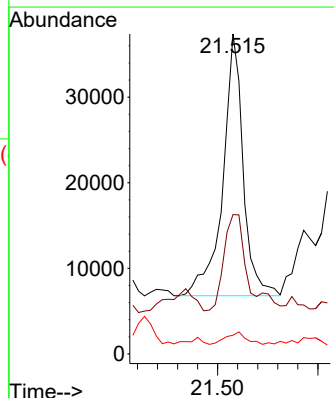
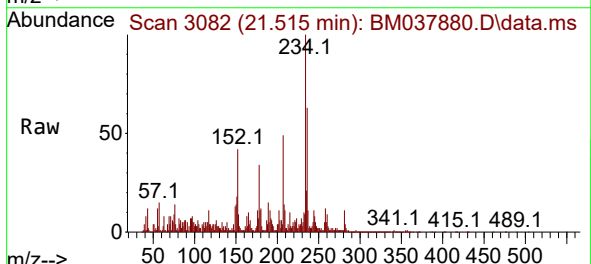
Instrument :
BNA_M
ClientSampleId :
DBXK2

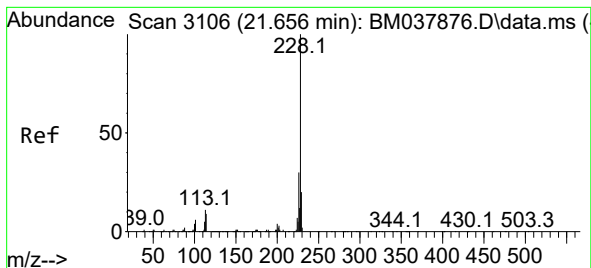
Tgt Ion:228 Resp: 5698570
Ion Ratio Lower Upper
228 100
229 21.7 15.5 23.3
226 28.5 21.8 32.8



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.386 ng/ul
RT: 21.515 min Scan# 3082
Delta R.T. 0.000 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

Tgt Ion:149 Resp: 43095
Ion Ratio Lower Upper
149 100
167 43.6 21.5 32.3#
279 5.8 3.2 4.8#





#87

Chrysene

Concen: 191.888 ng/ul

RT: 21.674 min Scan# 3109

Delta R.T. 0.012 min

Lab File: BM037880.D

Acq: 08 Dec 2022 10:59

Instrument :

BNA_M

ClientSampleId :

DBXK2

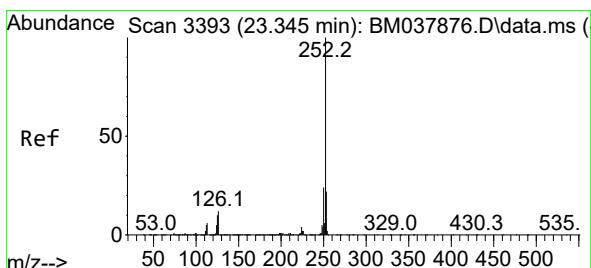
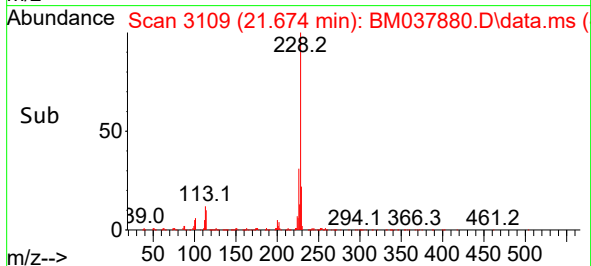
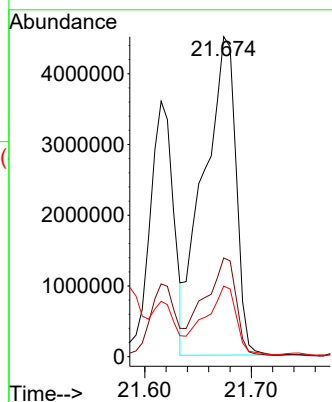
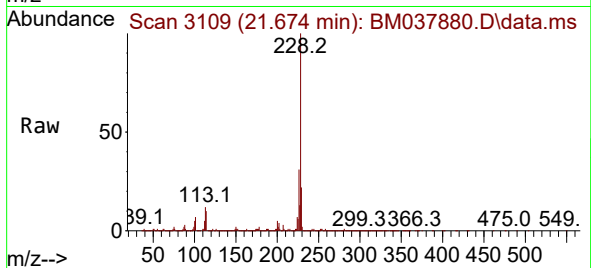
Tgt Ion:228 Resp: 9441913

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 22.0 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 231.423 ng/ul

RT: 23.380 min Scan# 3399

Delta R.T. 0.035 min

Lab File: BM037880.D

Acq: 08 Dec 2022 10:59

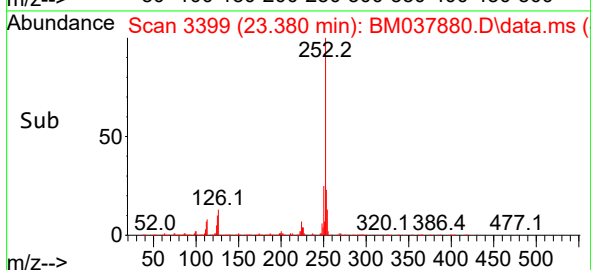
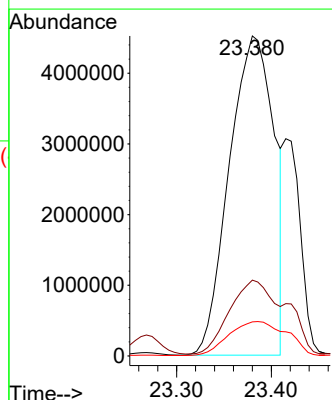
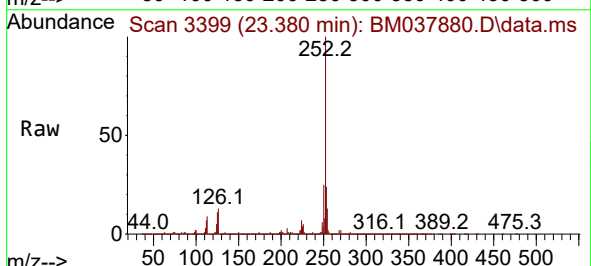
Tgt Ion:252 Resp:14849908

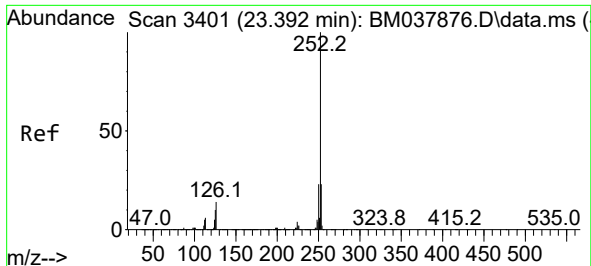
Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 10.6 8.0 12.0

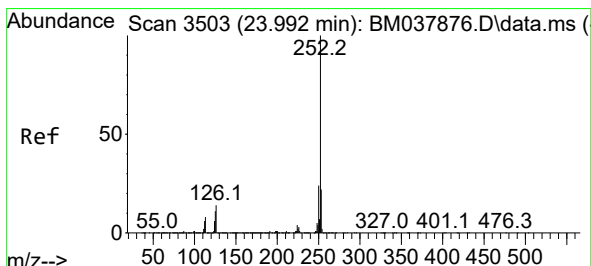
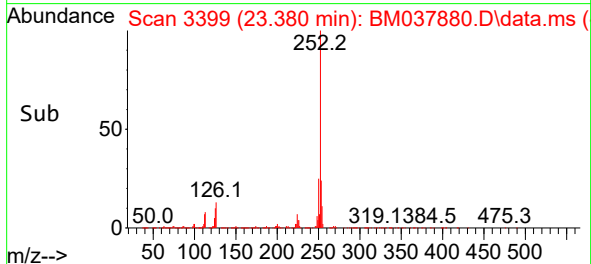
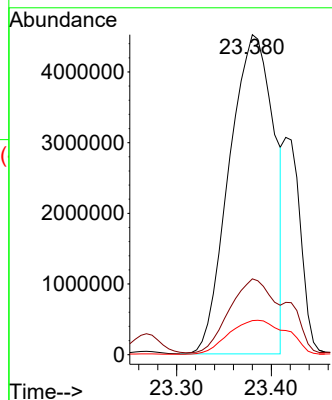
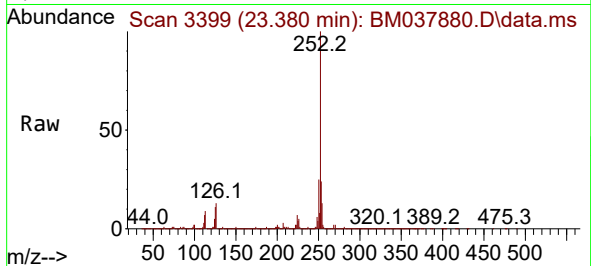




#91
Benzo(k)fluoranthene
Concen: 238.788 ng/ul
RT: 23.380 min Scan# 31
Delta R.T. -0.017 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

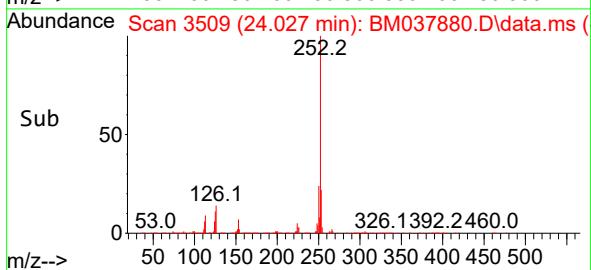
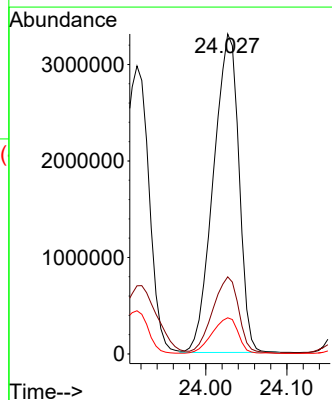
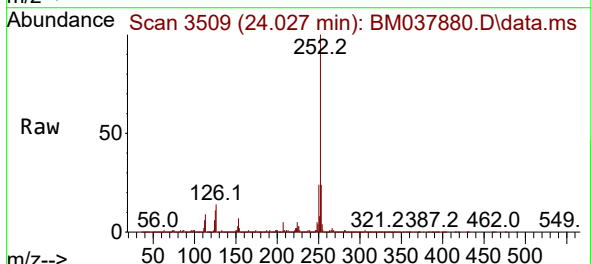
Instrument :
BNA_M
ClientSampleId :
DBXK2

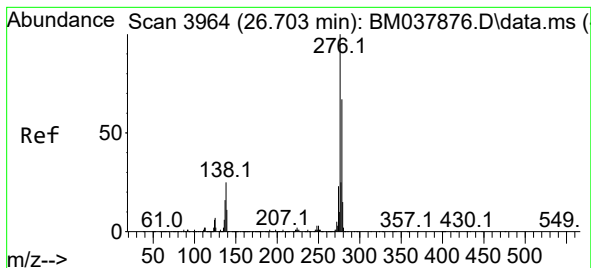
Tgt Ion:252 Resp:14849908
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 10.6 8.1 12.1



#93
Benzo(a)pyrene
Concen: 127.694 ng/ul
RT: 24.027 min Scan# 3509
Delta R.T. 0.030 min
Lab File: BM037880.D
Acq: 08 Dec 2022 10:59

Tgt Ion:252 Resp: 7205475
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 11.3 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 61.774 ng/ul

RT: 26.733 min Scan# 3964

Delta R.T. 0.024 min

Lab File: BM037880.D

Acq: 08 Dec 2022 10:59

Instrument :

BNA_M

ClientSampleId :

DBXK2

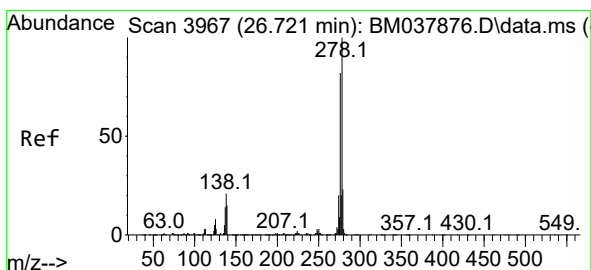
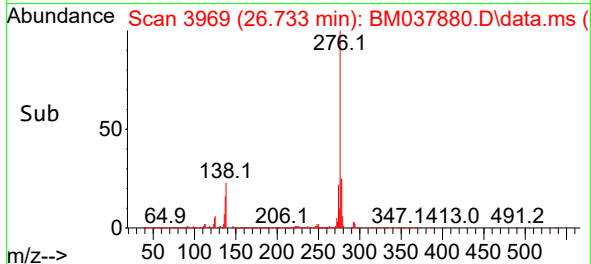
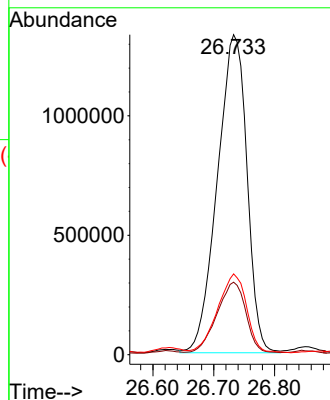
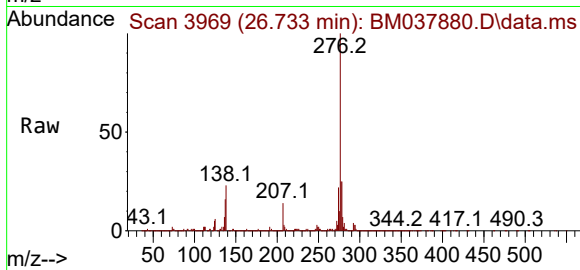
Tgt Ion:276 Resp: 4489298

Ion Ratio Lower Upper

276 100

138 22.7 19.3 28.9

277 25.2 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 2.703 ng/ul

RT: 26.633 min Scan# 3952

Delta R.T. -0.094 min

Lab File: BM037880.D

Acq: 08 Dec 2022 10:59

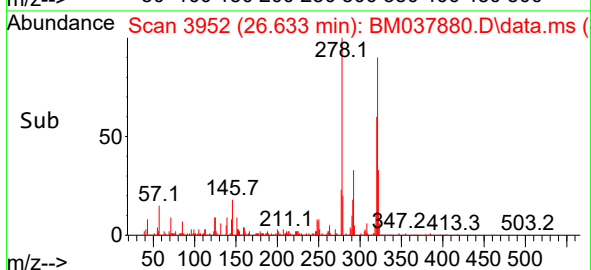
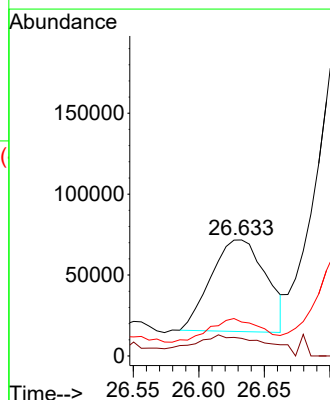
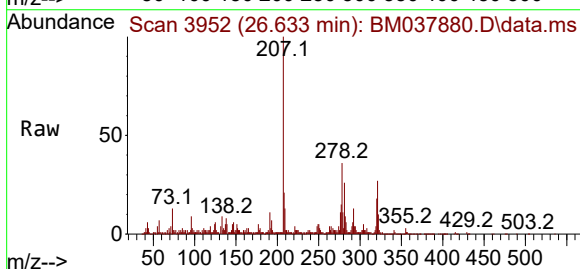
Tgt Ion:278 Resp: 165628

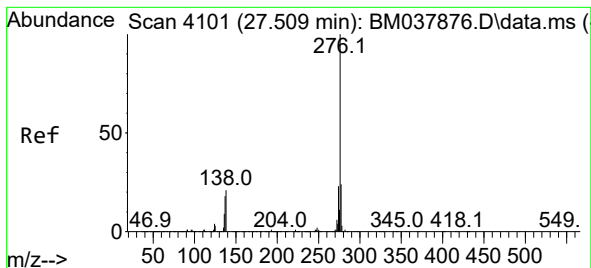
Ion Ratio Lower Upper

278 100

139 15.1 12.4 18.6

279 29.3 19.8 29.6





#96

Benzo(g,h,i)perylene

Concen: 53.992 ng/ul

RT: 27.544 min Scan# 41

Delta R.T. 0.030 min

Lab File: BM037880.D

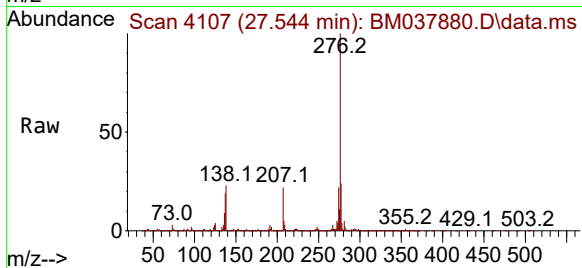
Acq: 08 Dec 2022 10:59

Instrument :

BNA_M

ClientSampleId :

DBXK2



Tgt Ion:276 Resp: 3132755

Ion Ratio Lower Upper

276 100

138 22.6 17.1 25.7

277 24.1 18.2 27.4

