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 Data File : BM038905.D
 Acq On : 07 Mar 2023 21:01
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

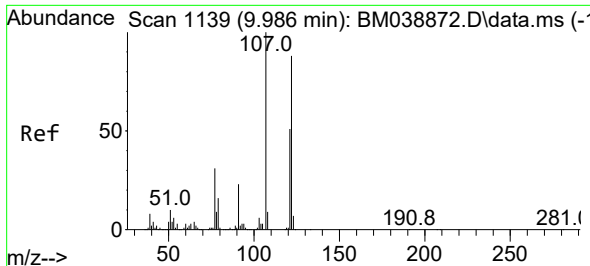
Instrument :
 BNA_M
 ClientSampleId :
 DCAC1

Quant Time: Mar 07 21:41:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022823.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 06 23:57:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.004	152	247379	20.000	ng/ul	0.00
20) Naphthalene-d8	10.828	136	1146982	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.639	164	764851	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.380	188	1645129	20.000	ng/ul	0.00
79) Chrysene-d12	21.556	240	1553645	20.000	ng/ul	0.00
88) Perylene-d12	24.009	264	1741518	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	31594	4.769	ng/uL	0.00
4) Pyridine-d5	3.804	84	216577	11.890	ng/ul	0.00
7) Phenol-d5	7.151	99	143481	6.187	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	502896	33.937	ng/ul	0.00
11) 2-Chlorophenol-d4	7.528	132	447233	25.879	ng/ul	0.00
15) 4-Methylphenol-d8	8.704	113	286267	15.668	ng/ul	0.00
21) Nitrobenzene-d5	9.169	128	318639	39.572	ng/ul	0.00
24) 2-Nitrophenol-d4	9.892	143	298067	39.505	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.433	165	534506	30.486	ng/ul	0.00
31) 4-Chloroaniline-d4	10.951	131	746245	25.535	ng/ul	0.00
46) Dimethylphthalate-d6	14.051	166	2324925	39.246	ng/ul	0.00
49) Acenaphthylene-d8	14.333	160	2543851	36.740	ng/ul	0.00
54) 4-Nitrophenol-d4	14.821	143	71603	6.038	ng/ul	0.00
60) Fluorene-d10	15.627	176	2021260	38.687	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	437754	51.183	ng/ul	0.00
73) Anthracene-d10	17.480	188	3288626	40.540	ng/ul	0.00
81) Pyrene-d10	19.768	212	3856875	45.135	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.850	264	3833798	43.684	ng/ul	0.00
Target Compounds						Qvalue
26) 2,4-Dimethylphenol	10.016	107	426839	19.418	ng/ul#	91
32) 4-Chloroaniline	10.898	127	8232440	278.228	ng/ul#	9
36) 2-Methylnaphthalene	12.480	142	6805106	159.295	ng/ul	99
37) 1-Methylnaphthalene	12.692	142	4946924	114.929	ng/ul	99
42) 2,4,5-Trichlorophenol	13.139	196	116231	7.318	ng/ul	97
43) 1,1'-Biphenyl	13.480	154	2420776	40.127	ng/ul	99
50) Acenaphthylene	14.363	152	762901	9.935	ng/ul	98
52) Acenaphthene	14.710	153	7537089	142.593	ng/ul	98
56) Dibenzofuran	15.039	168	6918381	94.279	ng/ul	99
57) 2,4-Dinitrotoluene	14.945	165	15020	1.023	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.174	232	371176	26.843	ng/ul	90
61) Fluorene	15.686	166	3875681	62.993	ng/ul	99
63) 4-Nitroaniline	15.686	138	43976	3.566	ng/ul#	23
66) 4,6-Dinitro-2-methylph...	15.751	198	446768	50.475	ng/ul#	60
71) Pentachlorophenol	17.027	266	460986	36.967	ng/ul	98
72) Phenanthrene	17.427	178	4733488	49.799	ng/ul	100
74) Anthracene	17.515	178	437179	4.517	ng/ul	98
77) Carbazole	17.792	167	13966666	155.404	ng/ul#	91
80) Fluoranthene	19.433	202	293370	2.985	ng/ul	97
82) Pyrene	19.798	202	146405	1.359	ng/ul	98

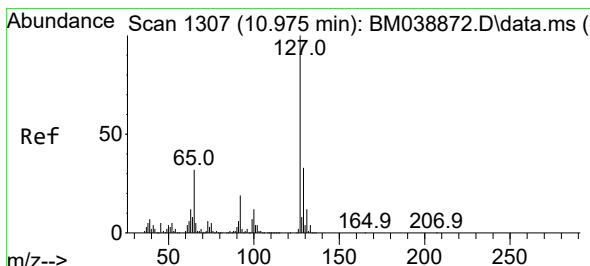
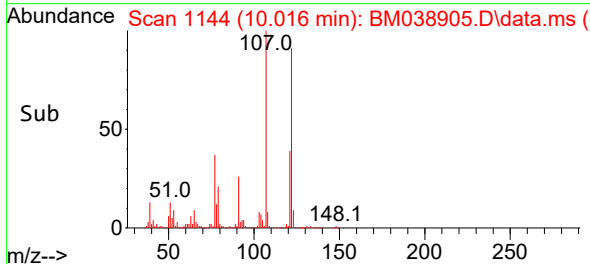
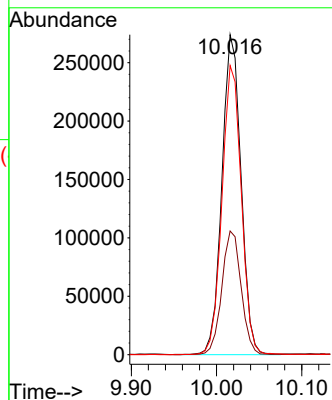
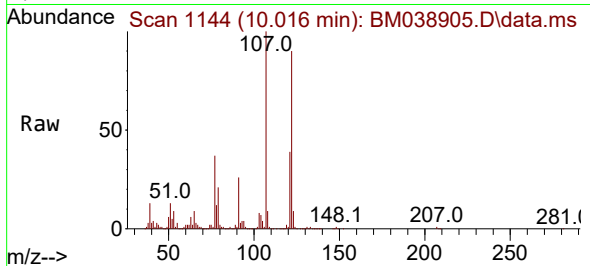
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#26
2,4-Dimethylphenol
Concen: 19.418 ng/ul
RT: 10.016 min Scan# 1139
Delta R.T. 0.029 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

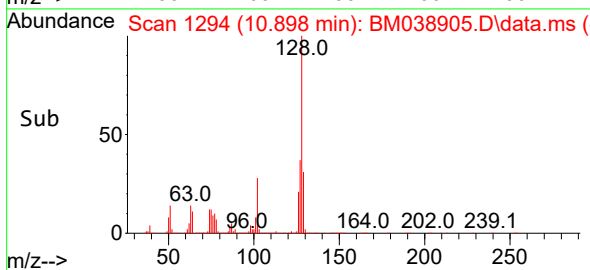
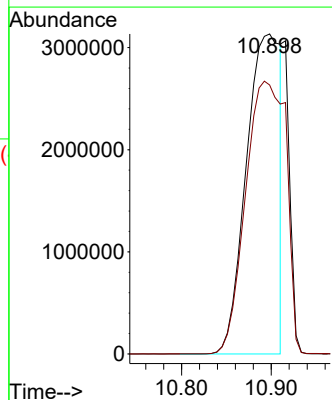
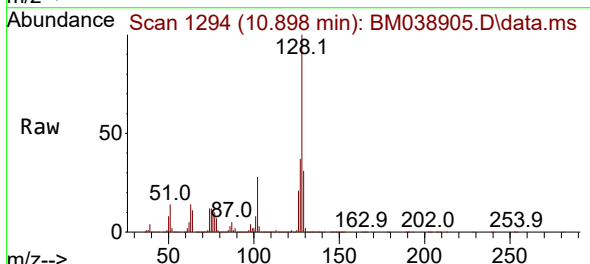
Instrument :
BNA_M
ClientSampleId :
DCAC1

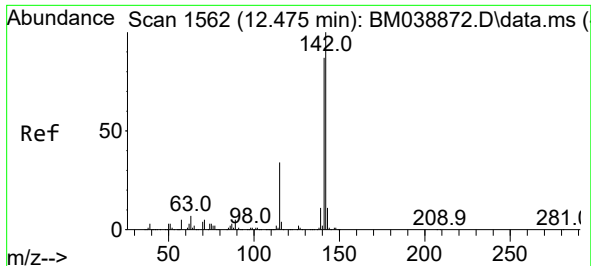
Tgt Ion:107 Resp: 426839
Ion Ratio Lower Upper
107 100
121 38.6 39.8 59.8#
122 90.3 69.0 103.4



#32
4-Chloroaniline
Concen: 278.228 ng/ul
RT: 10.898 min Scan# 1294
Delta R.T. -0.077 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

Tgt Ion:127 Resp: 8232440
Ion Ratio Lower Upper
127 100
129 84.1 26.3 39.5#





#36

2-Methylnaphthalene

Concen: 159.295 ng/ul

RT: 12.480 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM038905.D

Acq: 07 Mar 2023 21:01

Instrument :

BNA_M

ClientSampleId :

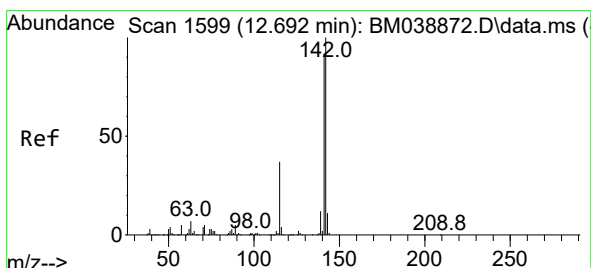
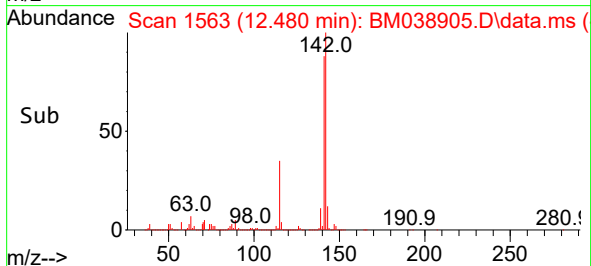
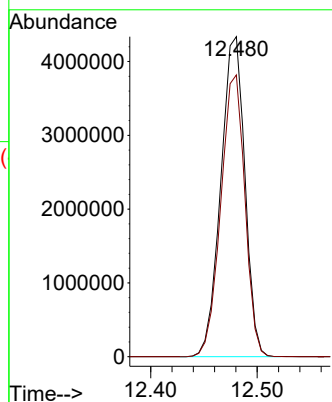
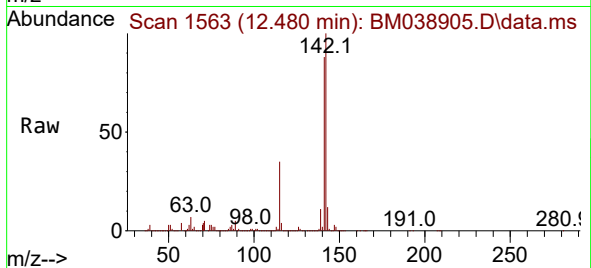
DCAC1

Tgt Ion:142 Resp: 6805106

Ion Ratio Lower Upper

142 100

141 88.1 71.0 106.6



#37

1-Methylnaphthalene

Concen: 114.929 ng/ul

RT: 12.692 min Scan# 1599

Delta R.T. -0.000 min

Lab File: BM038905.D

Acq: 07 Mar 2023 21:01

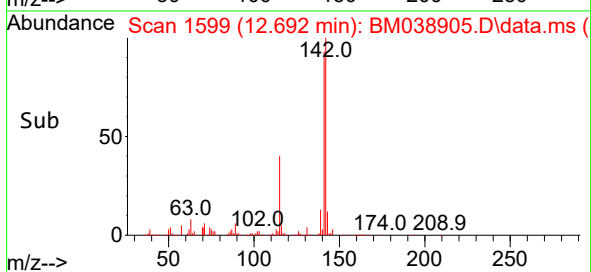
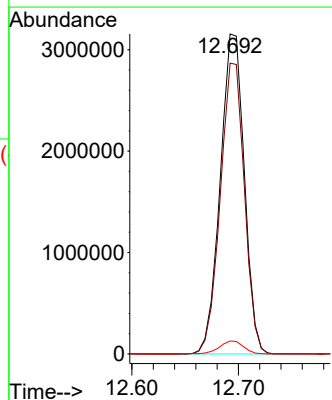
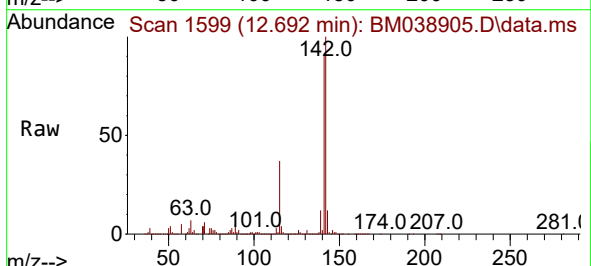
Tgt Ion:142 Resp: 4946924

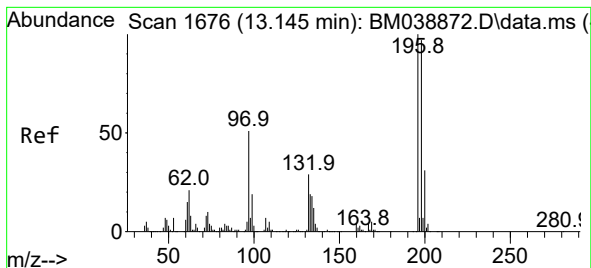
Ion Ratio Lower Upper

142 100

141 90.9 73.4 110.0

116 4.0 3.2 4.8





#42

2,4,5-Trichlorophenol

Concen: 7.318 ng/ul

RT: 13.139 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038905.D

Acq: 07 Mar 2023 21:01

Instrument :

BNA_M

ClientSampleId :

DCAC1

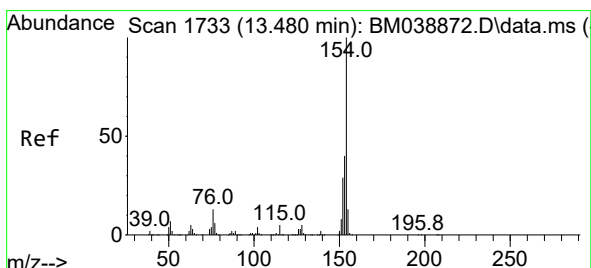
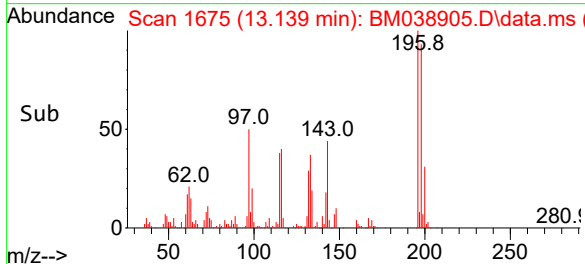
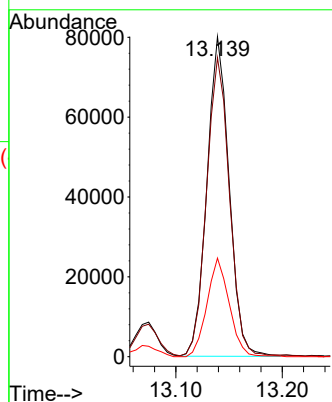
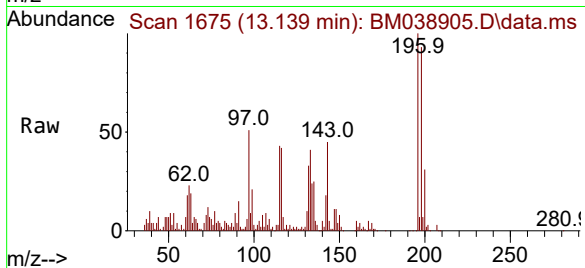
Tgt Ion:196 Resp: 116231

Ion Ratio Lower Upper

196 100

198 93.5 77.5 116.3

200 30.8 24.8 37.2



#43

1,1'-Biphenyl

Concen: 40.127 ng/ul

RT: 13.480 min Scan# 1733

Delta R.T. -0.000 min

Lab File: BM038905.D

Acq: 07 Mar 2023 21:01

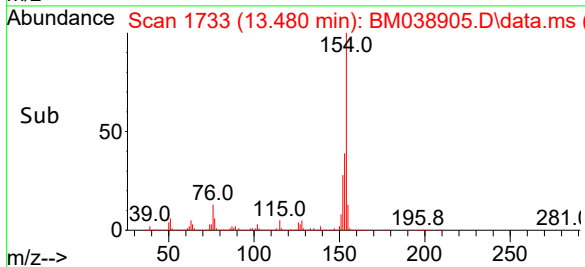
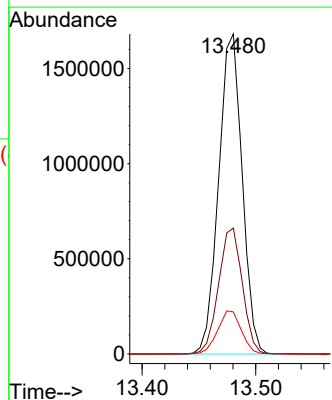
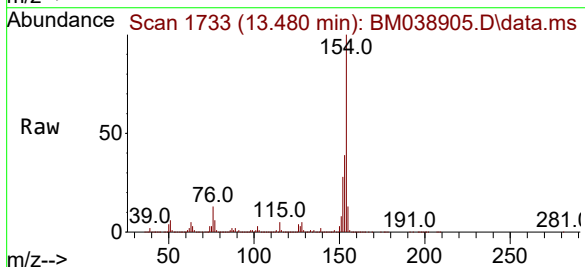
Tgt Ion:154 Resp: 2420776

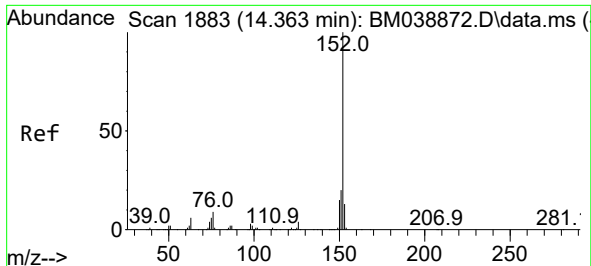
Ion Ratio Lower Upper

154 100

153 39.3 31.3 46.9

76 13.1 11.0 16.6

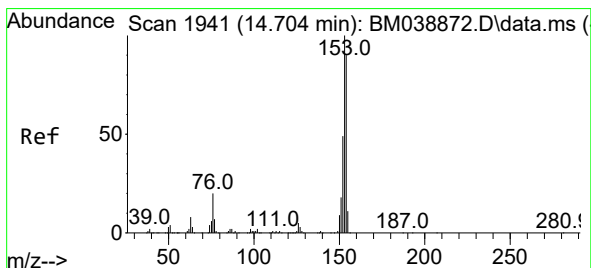
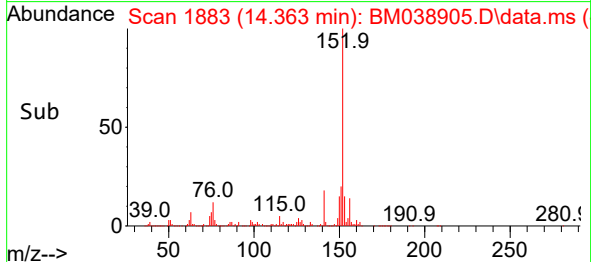
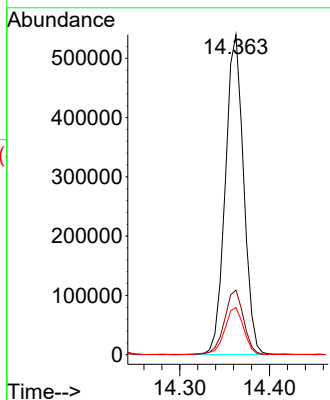
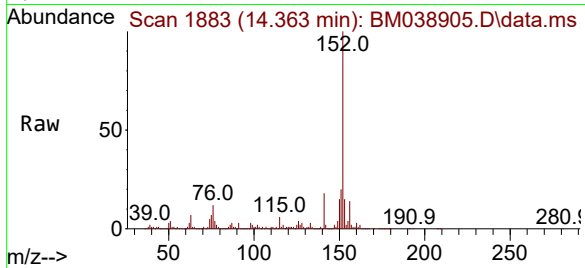




#50
Acenaphthylene
Concen: 9.935 ng/ul
RT: 14.363 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

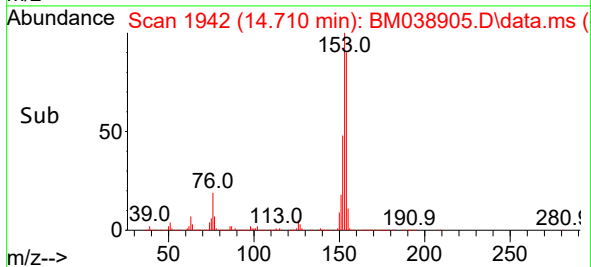
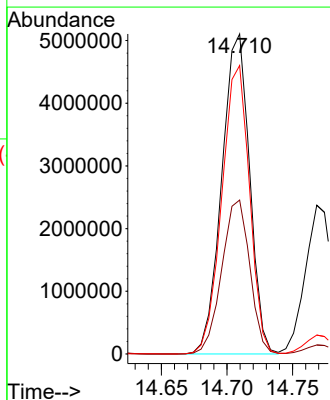
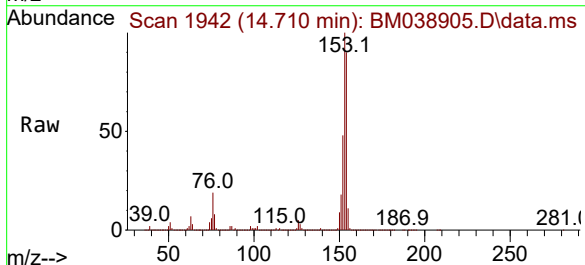
Instrument :
BNA_M
ClientSampleId :
DCAC1

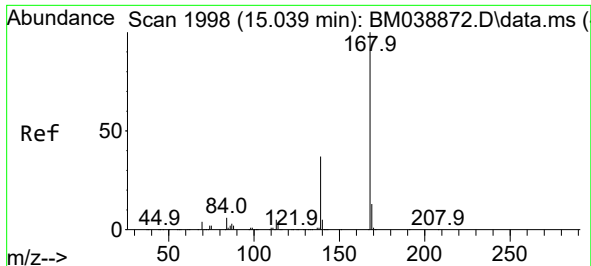
Tgt Ion:152 Resp: 762901
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 14.7 10.4 15.6



#52
Acenaphthene
Concen: 142.593 ng/ul
RT: 14.710 min Scan# 1942
Delta R.T. 0.006 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

Tgt Ion:153 Resp: 7537089
Ion Ratio Lower Upper
153 100
152 48.1 39.1 58.7
154 90.1 70.4 105.6

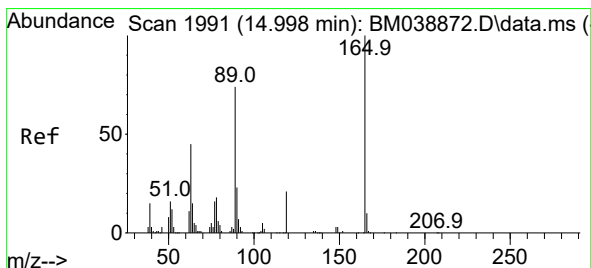
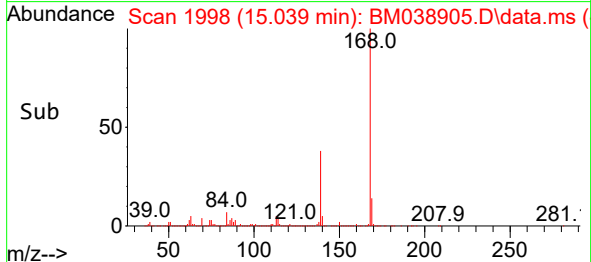
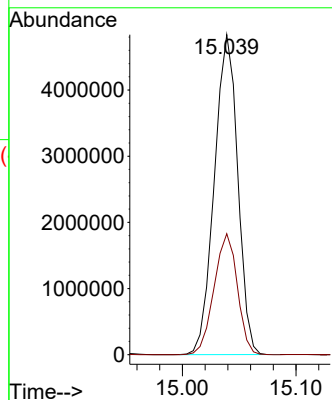
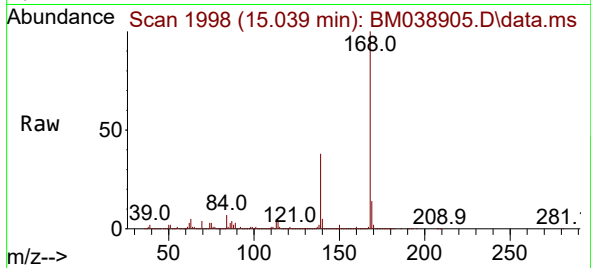




#56
Dibenzofuran
Concen: 94.279 ng/ul
RT: 15.039 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

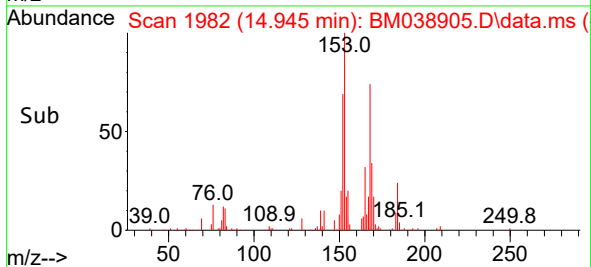
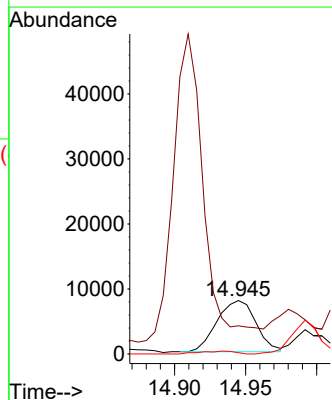
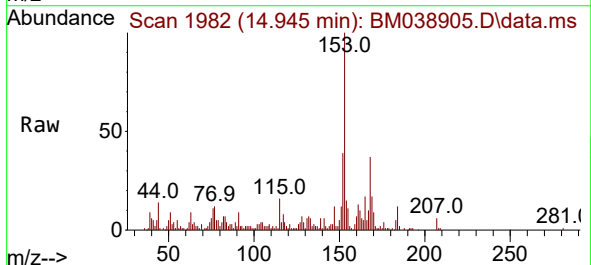
Instrument :
BNA_M
ClientSampleId :
DCAC1

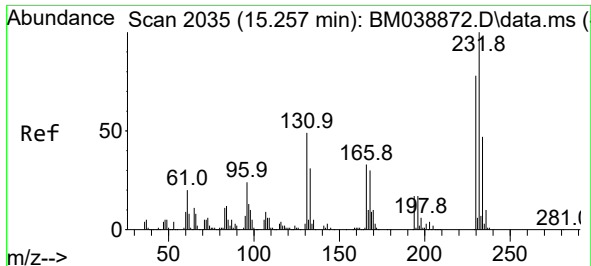
Tgt Ion:168 Resp: 6918381
Ion Ratio Lower Upper
168 100
139 37.8 30.9 46.3



#57
2,4-Dinitrotoluene
Concen: 1.023 ng/ul
RT: 14.945 min Scan# 1982
Delta R.T. -0.053 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

Tgt Ion:165 Resp: 15020
Ion Ratio Lower Upper
165 100
63 52.8 38.9 58.3
182 2.5 2.2 3.2

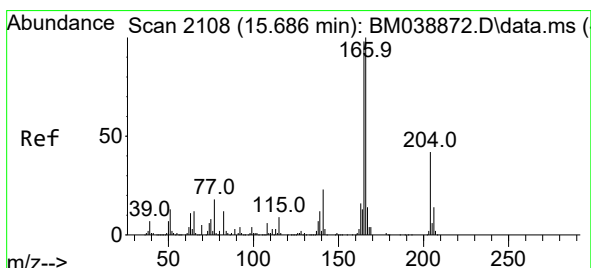
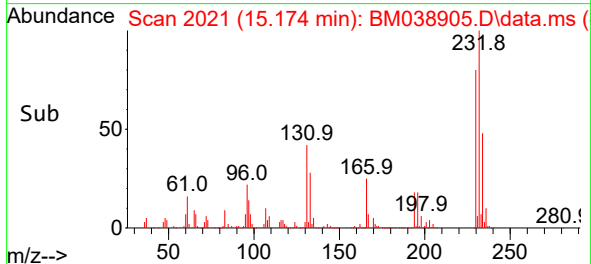
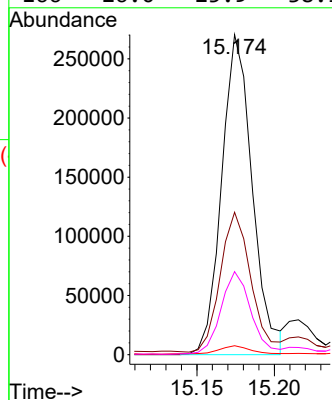
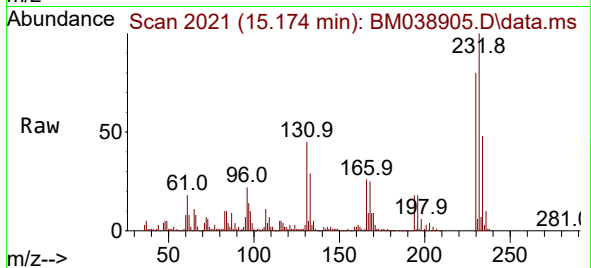




#58
2,3,4,6-Tetrachlorophenol
Concen: 26.843 ng/ul
RT: 15.174 min Scan# 2035
Delta R.T. -0.082 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

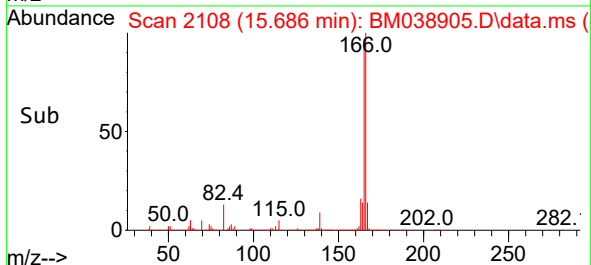
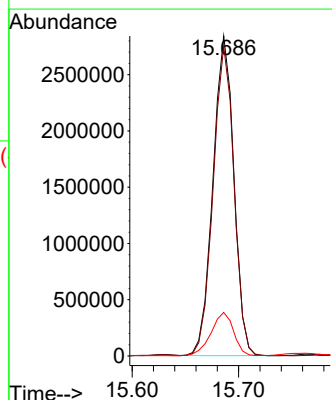
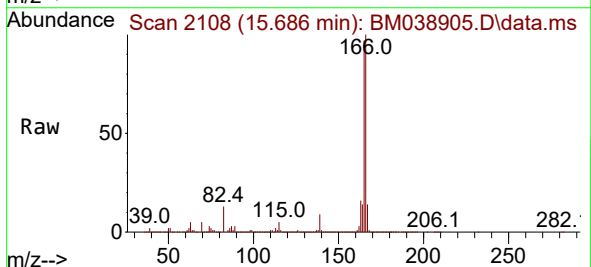
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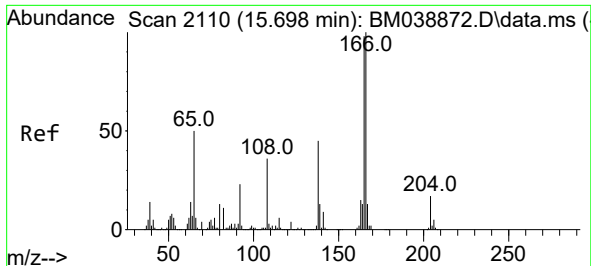
Tgt Ion:232 Resp: 371176
Ion Ratio Lower Upper
232 100
131 44.5 40.6 60.8
130 2.8 2.0 3.0
166 26.0 25.9 38.9



#61
Fluorene
Concen: 62.993 ng/ul
RT: 15.686 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

Tgt Ion:166 Resp: 3875681
Ion Ratio Lower Upper
166 100
165 96.8 78.2 117.4
167 13.6 10.5 15.7

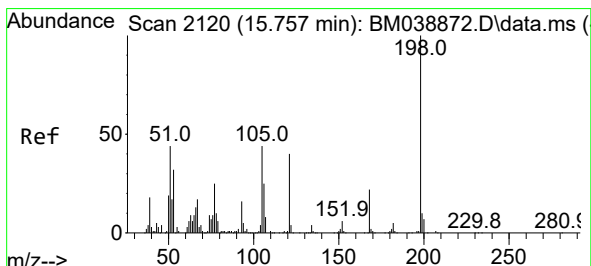
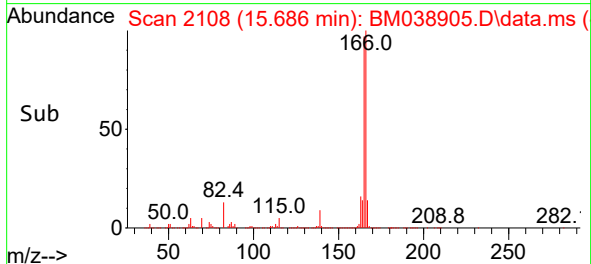
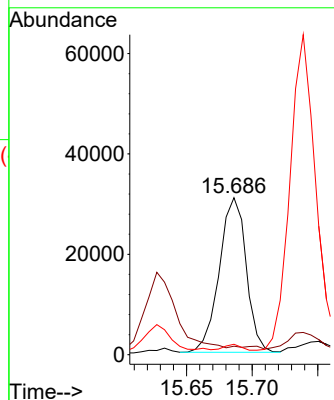
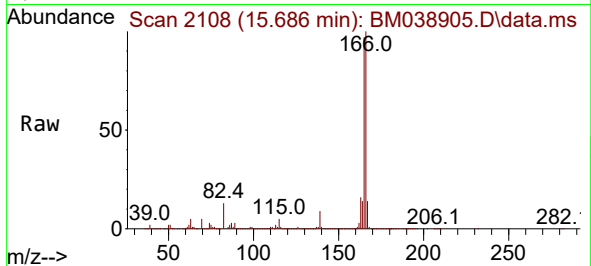




#63
4-Nitroaniline
Concen: 3.566 ng/ul
RT: 15.686 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

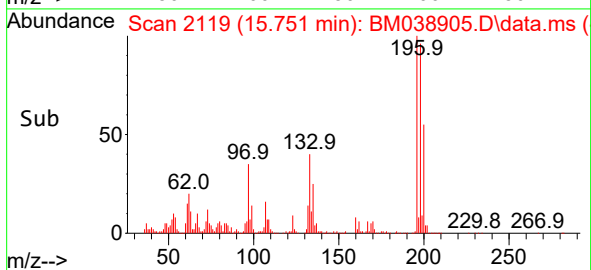
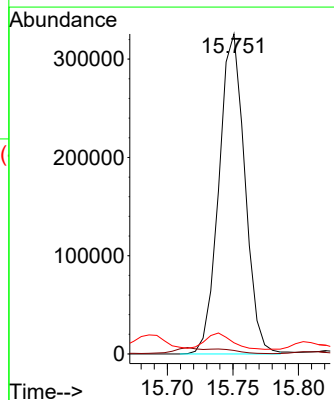
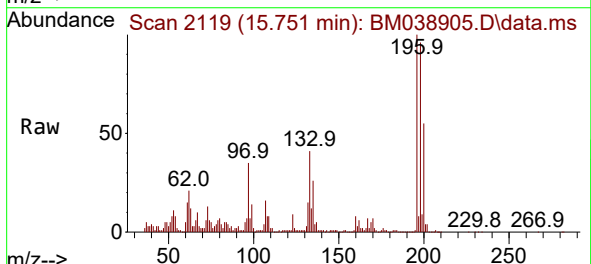
Instrument :
BNA_M
ClientSampleId :
DCAC1

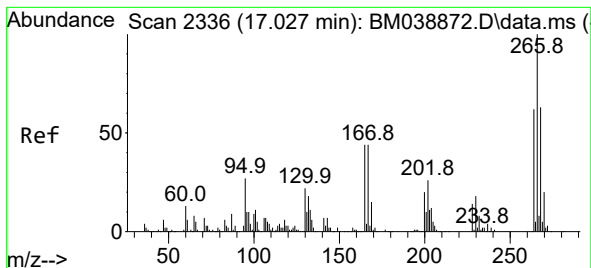
Tgt Ion:138 Resp: 43976
Ion Ratio Lower Upper
138 100
92 5.4 41.8 62.8#
108 6.6 65.0 97.6#



#66
4,6-Dinitro-2-methylphenol
Concen: 50.475 ng/ul
RT: 15.751 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

Tgt Ion:198 Resp: 446768
Ion Ratio Lower Upper
198 100
182 1.1 3.5 5.3#
77 3.5 21.0 31.6#





#71

Pentachlorophenol

Concen: 36.967 ng/ul

RT: 17.027 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038905.D

Acq: 07 Mar 2023 21:01

Instrument :

BNA_M

ClientSampleId :

DCAC1

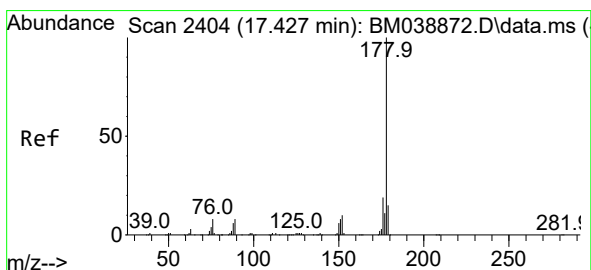
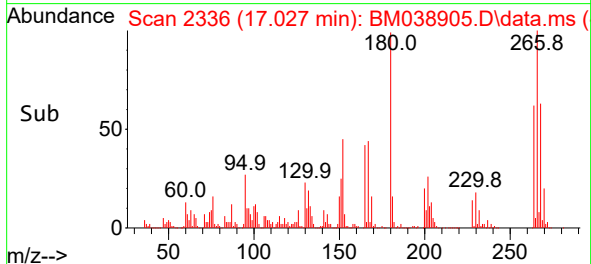
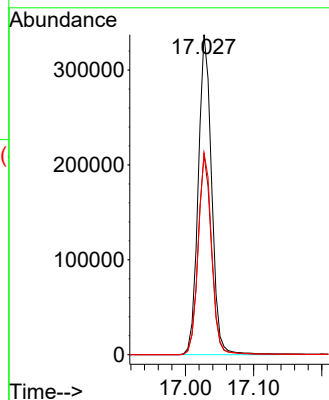
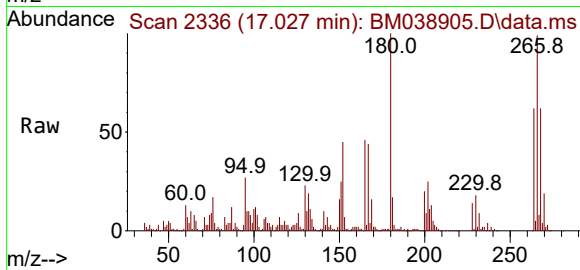
Tgt Ion:266 Resp: 460986

Ion Ratio Lower Upper

266 100

264 62.4 51.0 76.6

268 63.1 51.7 77.5



#72

Phenanthrene

Concen: 49.799 ng/ul

RT: 17.427 min Scan# 2404

Delta R.T. -0.000 min

Lab File: BM038905.D

Acq: 07 Mar 2023 21:01

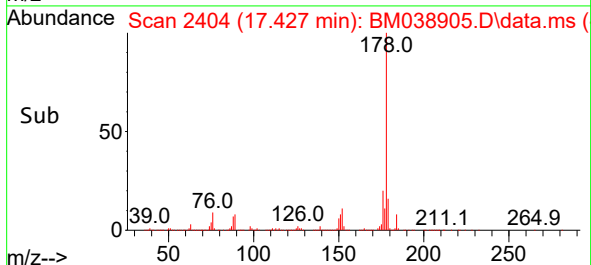
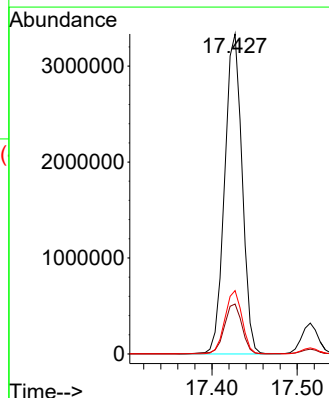
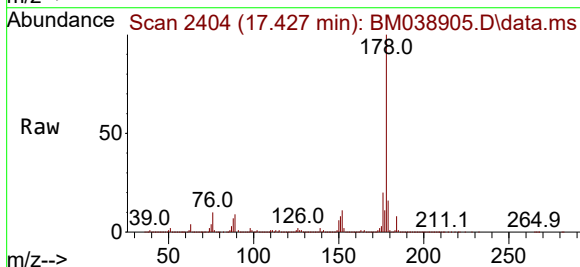
Tgt Ion:178 Resp: 4733488

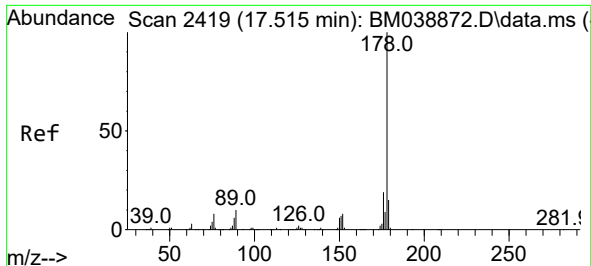
Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

176 19.8 15.7 23.5

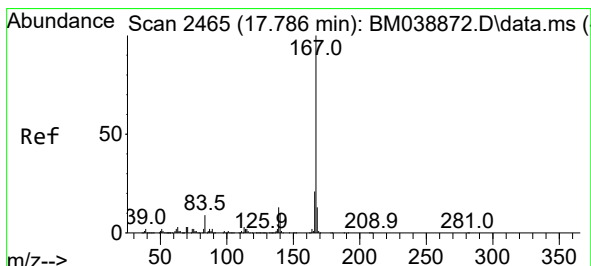
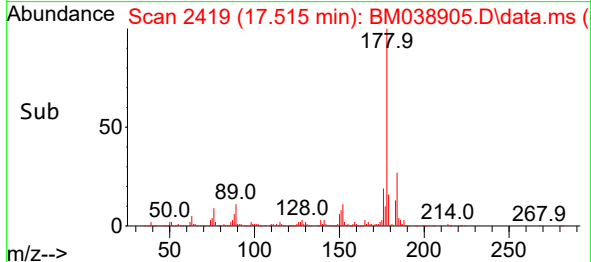
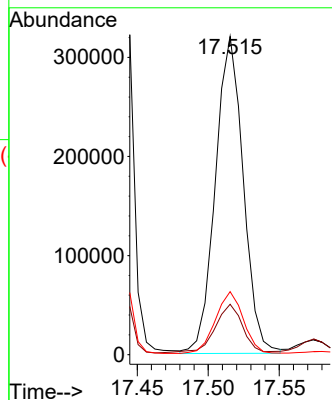
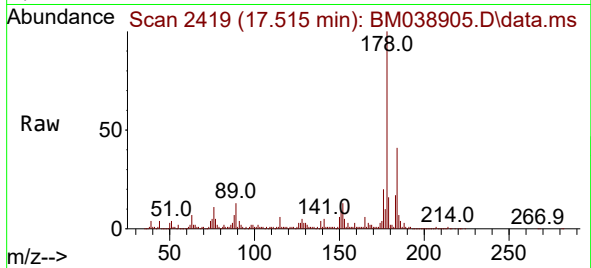




#74
 Anthracene
 Concen: 4.517 ng/ul
 RT: 17.515 min Scan# 2419
 Delta R.T. -0.000 min
 Lab File: BM038905.D
 Acq: 07 Mar 2023 21:01

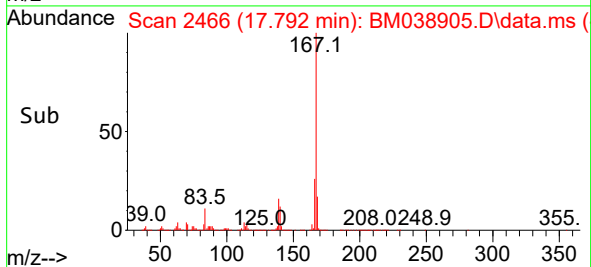
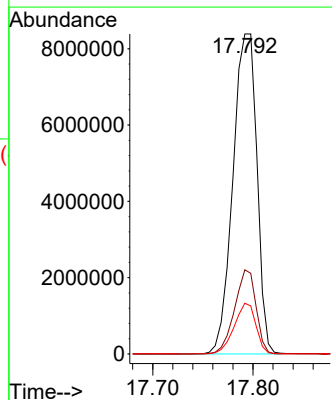
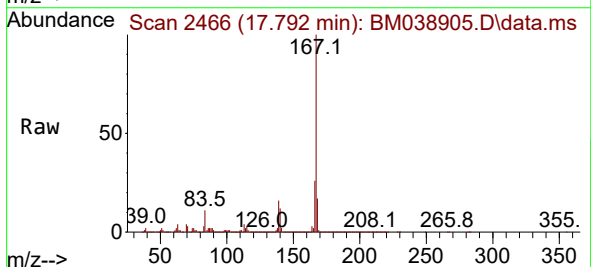
Instrument :
 BNA_M
 ClientSampleId :
 DCAC1

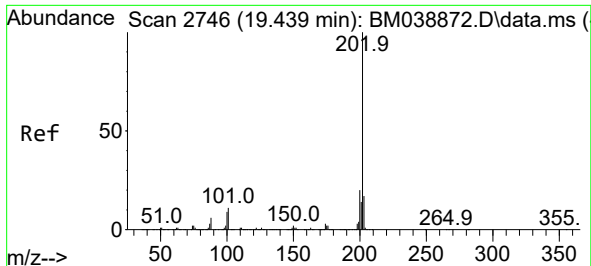
Tgt Ion:178 Resp: 437179
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.5 18.7
 176 19.8 14.9 22.3



#77
 Carbazole
 Concen: 155.404 ng/ul
 RT: 17.792 min Scan# 2466
 Delta R.T. 0.006 min
 Lab File: BM038905.D
 Acq: 07 Mar 2023 21:01

Tgt Ion:167 Resp:13966666
 Ion Ratio Lower Upper
 167 100
 166 26.3 17.2 25.8#
 139 15.9 10.6 16.0

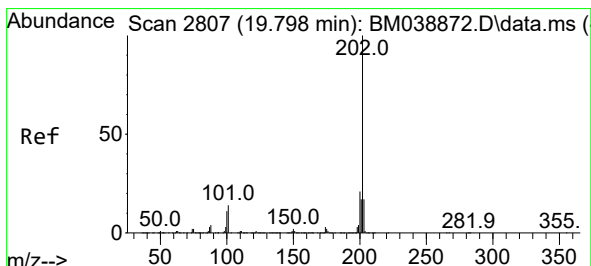
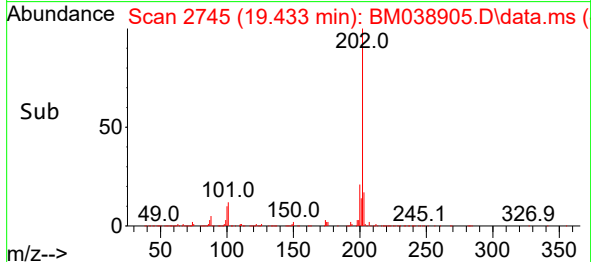
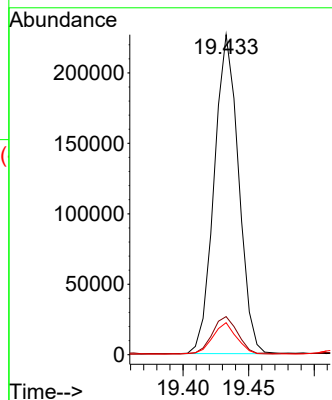
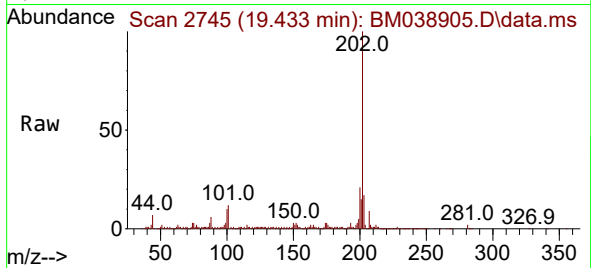




#80
Fluoranthene
Concen: 2.985 ng/ul
RT: 19.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

Instrument :
BNA_M
ClientSampleId :
DCAC1

Tgt Ion:202 Resp: 293370
Ion Ratio Lower Upper
202 100
101 11.9 9.0 13.4
100 10.0 6.9 10.3



#82
Pyrene
Concen: 1.359 ng/ul
RT: 19.798 min Scan# 2807
Delta R.T. -0.000 min
Lab File: BM038905.D
Acq: 07 Mar 2023 21:01

Tgt Ion:202 Resp: 146405
Ion Ratio Lower Upper
202 100
101 15.1 11.2 16.8
100 11.9 9.1 13.7

