

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031323\
 Data File : BM038999.D
 Acq On : 13 Mar 2023 20:48
 Operator : CG/JU
 Sample : 01784-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCAE9

Quant Time: Mar 14 01:43:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM031323.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 13 16:25:27 2023
 Response via : Initial Calibration

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

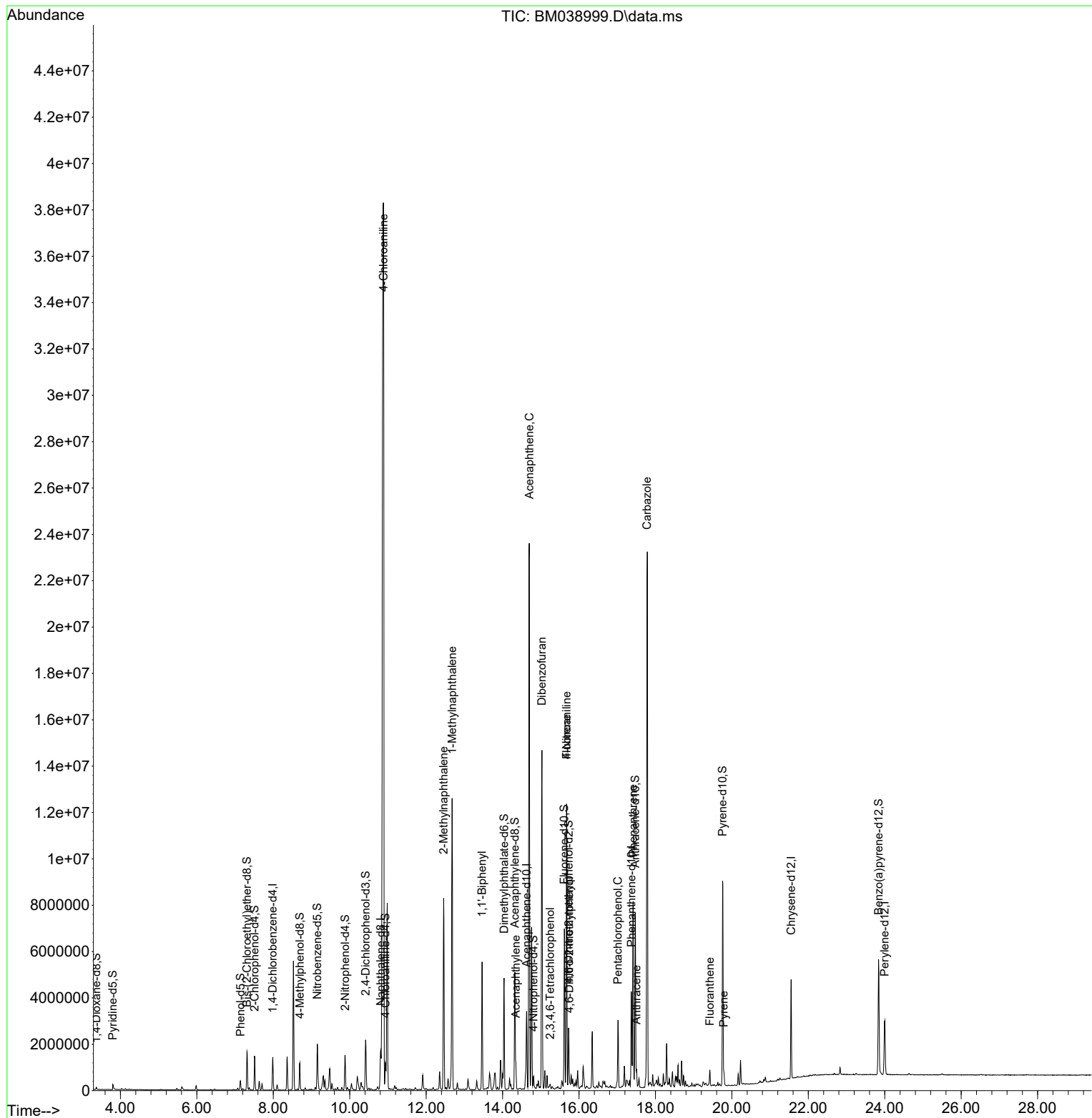
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	369132	20.000	ng/ul	0.00
20) Naphthalene-d8	10.810	136	1677127	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.627	164	1101831	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.368	188	2305734	20.000	ng/ul	0.00
79) Chrysene-d12	21.550	240	1883573	20.000	ng/ul	0.00
88) Perylene-d12	23.997	264	1694318	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	47223	4.461	ng/uL	0.00
4) Pyridine-d5	3.799	84	129038	4.310	ng/ul	0.00
7) Phenol-d5	7.140	99	205271	5.777	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.310	67	738659	32.165	ng/ul	0.00
11) 2-Chlorophenol-d4	7.510	132	640259	24.204	ng/ul	0.00
15) 4-Methylphenol-d8	8.692	113	411252	14.793	ng/ul	0.00
21) Nitrobenzene-d5	9.151	128	464839	33.153	ng/ul	0.00
24) 2-Nitrophenol-d4	9.881	143	464749	32.899	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.416	165	746260	28.858	ng/ul	0.00
31) 4-Chloroaniline-d4	10.934	131	624798	14.938	ng/ul	0.00
46) Dimethylphthalate-d6	14.039	166	2959514	35.463	ng/ul	0.00
49) Acenaphthylene-d8	14.322	160	3236402	33.391	ng/ul	0.00
54) 4-Nitrophenol-d4	14.810	143	85156	4.897	ng/ul	0.00
60) Fluorene-d10	15.616	176	2554428	35.080	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.727	200	460150	31.509	ng/ul	0.00
73) Anthracene-d10	17.468	188	4134076	37.188	ng/ul	0.00
81) Pyrene-d10	19.756	212	4535038	41.123	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.839	264	3361750	38.649	ng/ul	0.00
Target Compounds						Qvalue
32) 4-Chloroaniline	10.881	127	7863138	186.805	ng/ul#	11
36) 2-Methylnaphthalene	12.457	142	3678771	59.737	ng/ul	100
37) 1-Methylnaphthalene	12.680	142	5689113	91.966	ng/ul	99
43) 1,1'-Biphenyl	13.463	154	2668870	30.480	ng/ul	99
50) Acenaphthylene	14.345	152	467532	4.337	ng/ul#	96
52) Acenaphthene	14.698	153	9576724	128.068	ng/ul	98
56) Dibenzofuran	15.027	168	8227732	80.156	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.245	232	22361	1.142	ng/ul#	91
61) Fluorene	15.674	166	5152901	60.474	ng/ul	99
63) 4-Nitroaniline	15.674	138	58373	3.398	ng/ul#	20
66) 4,6-Dinitro-2-methylph...	15.739	198	65824	4.535	ng/ul#	91
71) Pentachlorophenol	17.015	266	136258	7.858	ng/ul	99
72) Phenanthrene	17.415	178	4469613	34.133	ng/ul	99
74) Anthracene	17.504	178	373263	2.808	ng/ul	100
77) Carbazole	17.780	167	14454371	121.117	ng/ul#	92
80) Fluoranthene	19.421	202	368075	2.857	ng/ul	99
82) Pyrene	19.786	202	164285	1.195	ng/ul	97

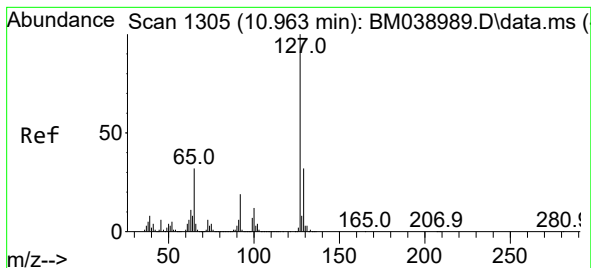
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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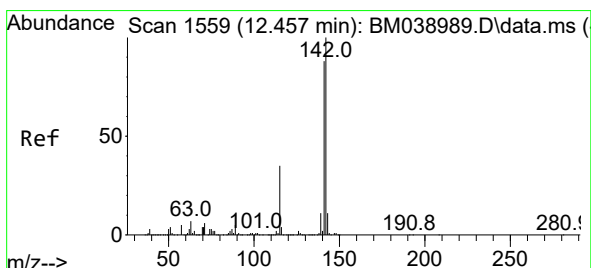
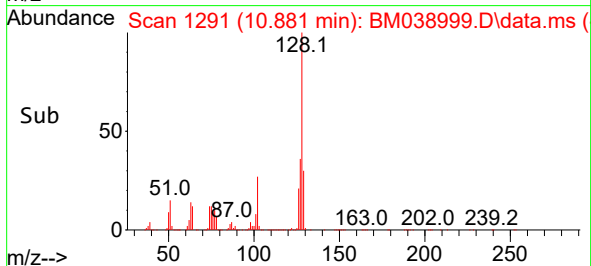
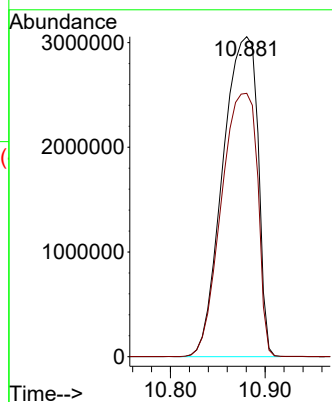
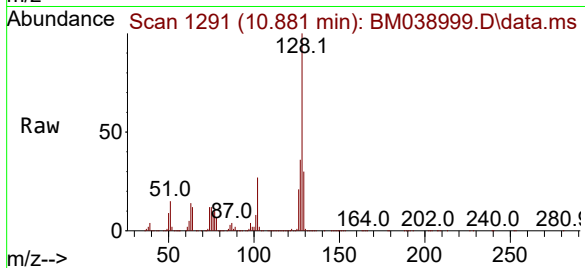




#32
4-Chloroaniline
Concen: 186.805 ng/ul
RT: 10.881 min Scan# 1291
Delta R.T. -0.082 min
Lab File: BM038999.D
Acq: 13 Mar 2023 20:48

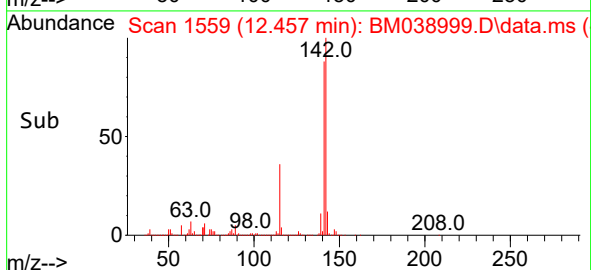
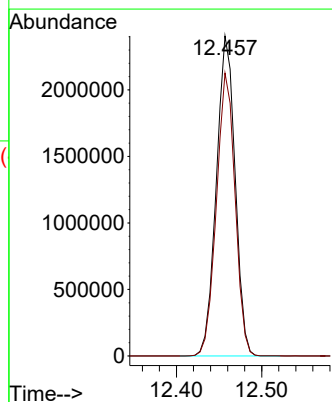
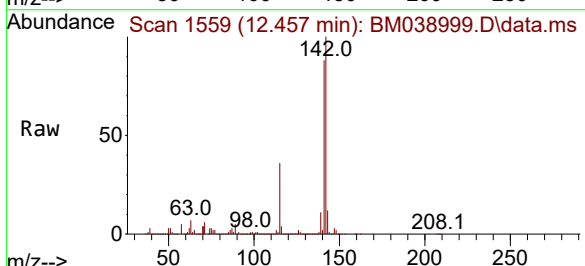
Instrument :
BNA_M
ClientSampleId :
DCAE9

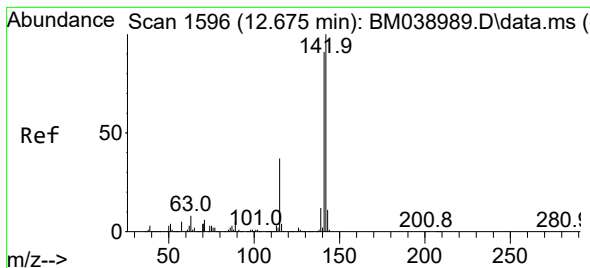
Tgt Ion:127 Resp: 7863138
Ion Ratio Lower Upper
127 100
129 82.3 25.9 38.9#



#36
2-Methylnaphthalene
Concen: 59.737 ng/ul
RT: 12.457 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BM038999.D
Acq: 13 Mar 2023 20:48

Tgt Ion:142 Resp: 3678771
Ion Ratio Lower Upper
142 100
141 88.4 70.7 106.1





#37

1-Methylnaphthalene

Concen: 91.966 ng/ul

RT: 12.680 min Scan# 1597

Delta R.T. 0.006 min

Lab File: BM038999.D

Acq: 13 Mar 2023 20:48

Instrument :

BNA_M

ClientSampleId :

DCAE9

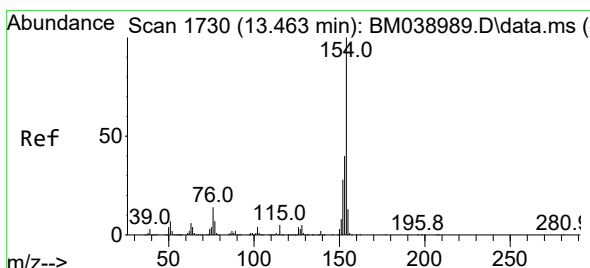
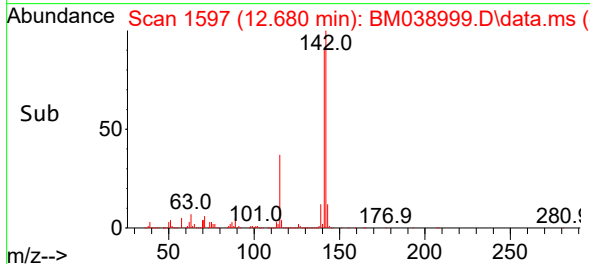
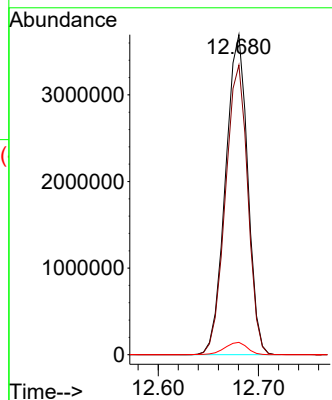
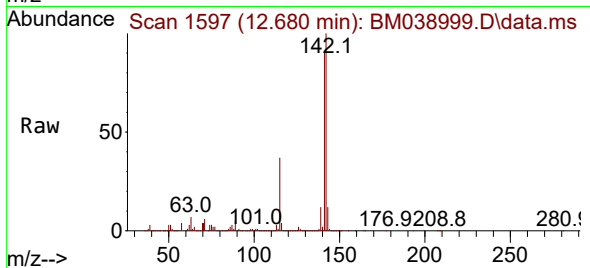
Tgt Ion:142 Resp: 5689113

Ion Ratio Lower Upper

142 100

141 90.5 73.1 109.7

116 3.8 3.0 4.6



#43

1,1'-Biphenyl

Concen: 30.480 ng/ul

RT: 13.463 min Scan# 1730

Delta R.T. 0.000 min

Lab File: BM038999.D

Acq: 13 Mar 2023 20:48

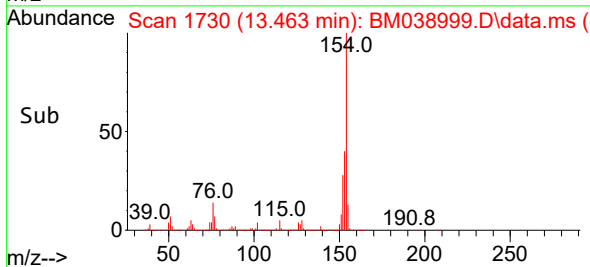
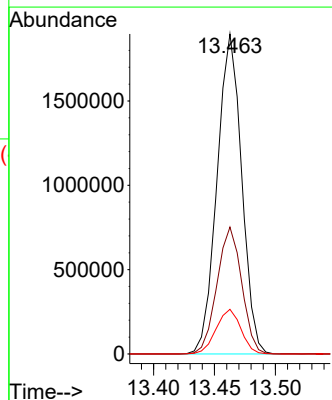
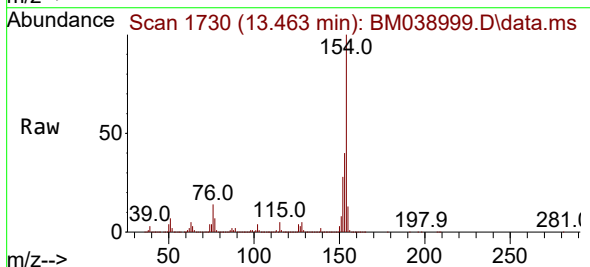
Tgt Ion:154 Resp: 2668870

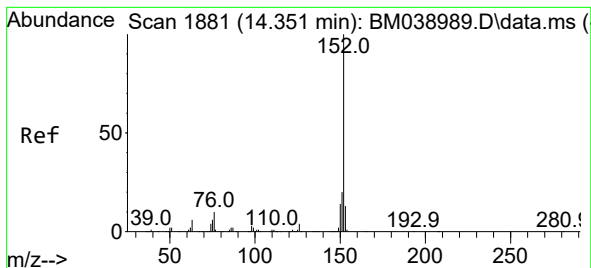
Ion Ratio Lower Upper

154 100

153 39.6 32.0 48.0

76 14.0 11.5 17.3





#50

Acenaphthylene

Concen: 4.337 ng/ul

RT: 14.345 min Scan# 1880

Delta R.T. -0.006 min

Lab File: BM038999.D

Acq: 13 Mar 2023 20:48

Instrument :

BNA_M

ClientSampleId :

DCAE9

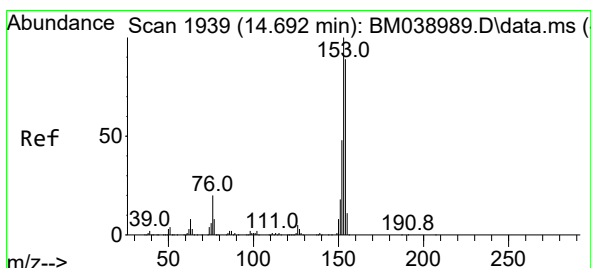
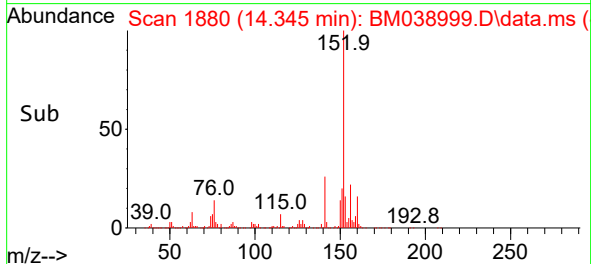
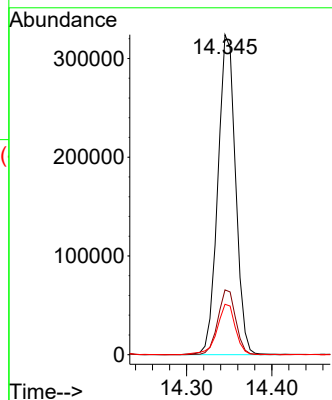
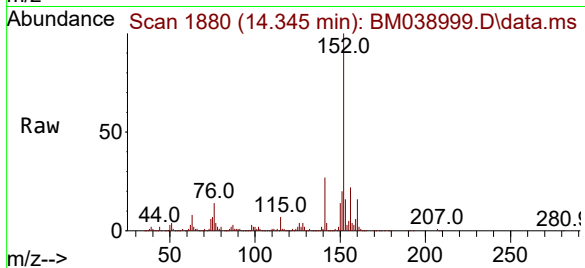
Tgt Ion:152 Resp: 467532

Ion Ratio Lower Upper

152 100

151 20.3 15.6 23.4

153 15.8 10.2 15.4#



#52

Acenaphthene

Concen: 128.068 ng/ul

RT: 14.698 min Scan# 1940

Delta R.T. 0.006 min

Lab File: BM038999.D

Acq: 13 Mar 2023 20:48

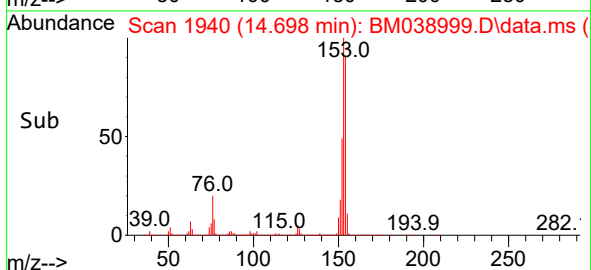
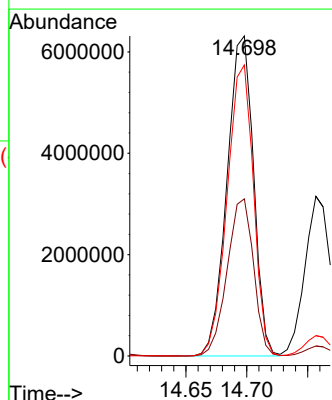
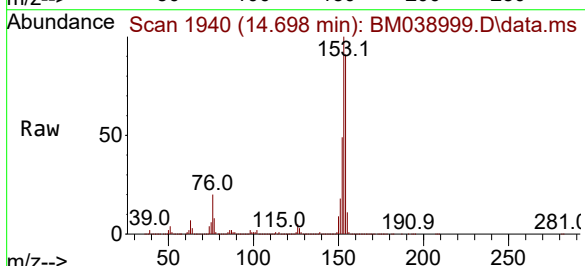
Tgt Ion:153 Resp: 9576724

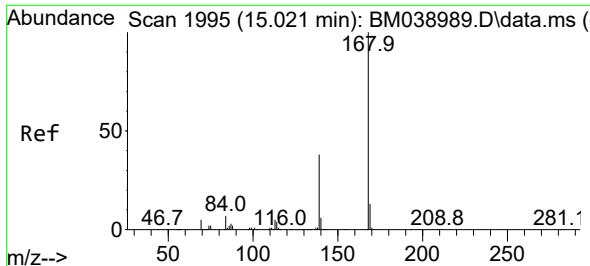
Ion Ratio Lower Upper

153 100

152 49.1 38.1 57.1

154 90.9 71.4 107.0

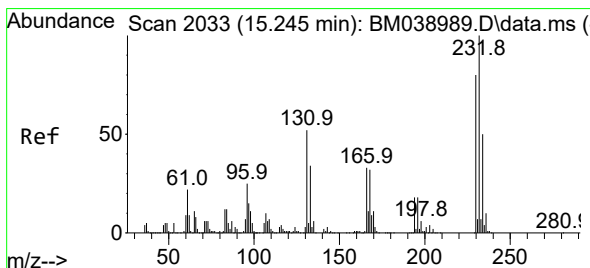
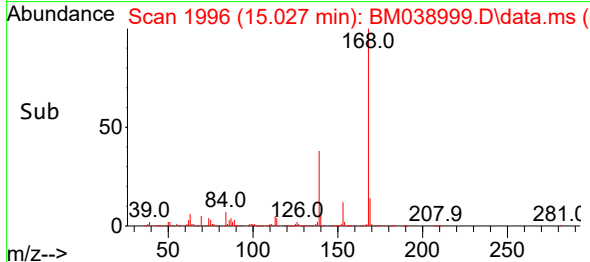
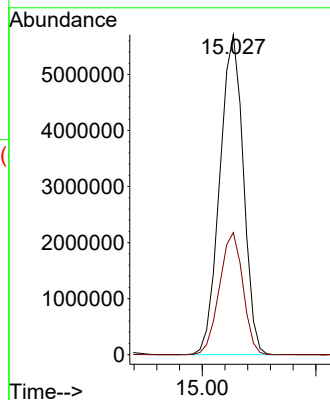
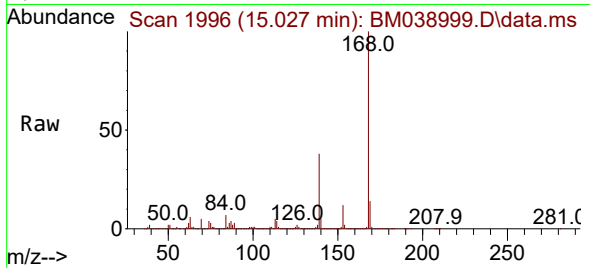




#56
Dibenzofuran
Concen: 80.156 ng/ul
RT: 15.027 min Scan# 1996
Delta R.T. 0.006 min
Lab File: BM038999.D
Acq: 13 Mar 2023 20:48

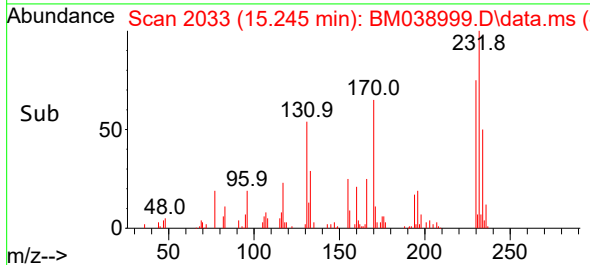
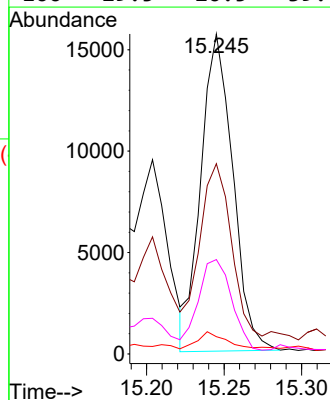
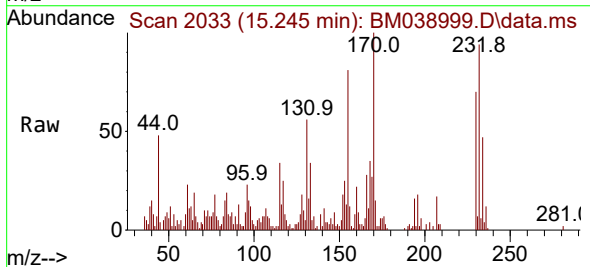
Instrument :
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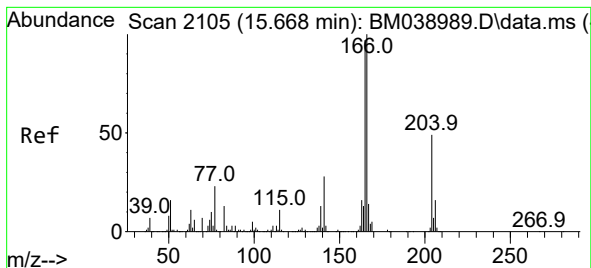
Tgt Ion:168 Resp: 8227732
Ion Ratio Lower Upper
168 100
139 38.2 30.7 46.1



#58
2,3,4,6-Tetrachlorophenol
Concen: 1.142 ng/ul
RT: 15.245 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BM038999.D
Acq: 13 Mar 2023 20:48

Tgt Ion:232 Resp: 22361
Ion Ratio Lower Upper
232 100
131 59.5 41.3 61.9
130 5.4 2.2 3.4#
166 29.5 26.5 39.7





#61

Fluorene

Concen: 60.474 ng/ul

RT: 15.674 min Scan# 2106

Delta R.T. 0.006 min

Lab File: BM038999.D

Acq: 13 Mar 2023 20:48

Instrument :

BNA_M

ClientSampleId :

DCAE9

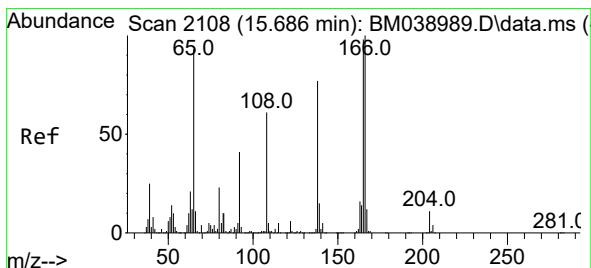
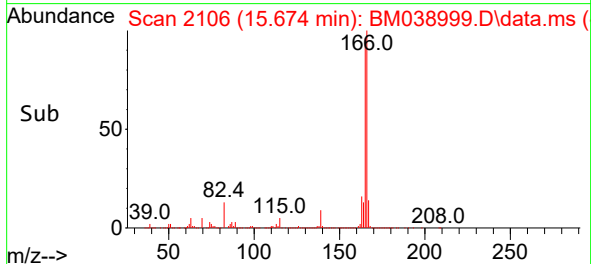
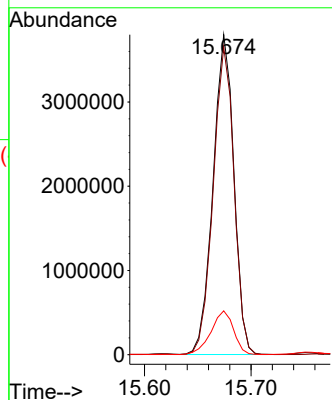
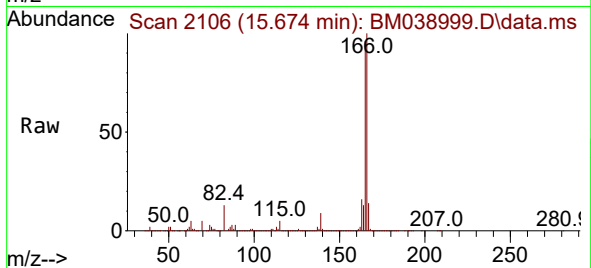
Tgt Ion:166 Resp: 5152901

Ion Ratio Lower Upper

166 100

165 96.1 77.5 116.3

167 13.7 11.0 16.6



#63

4-Nitroaniline

Concen: 3.398 ng/ul

RT: 15.674 min Scan# 2106

Delta R.T. -0.012 min

Lab File: BM038999.D

Acq: 13 Mar 2023 20:48

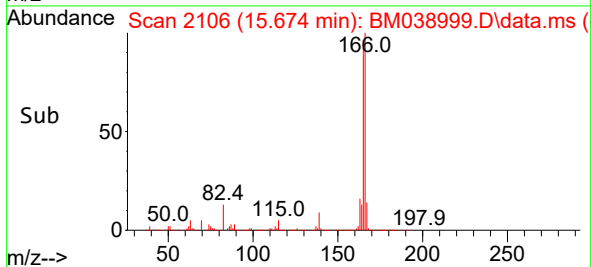
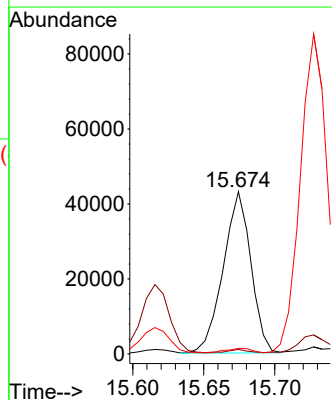
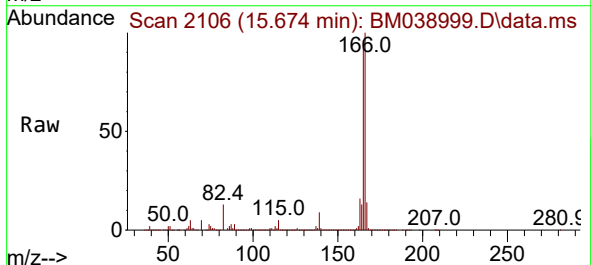
Tgt Ion:138 Resp: 58373

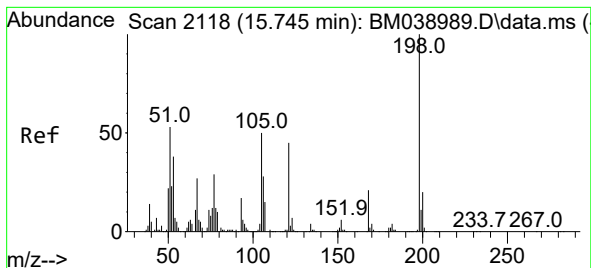
Ion Ratio Lower Upper

138 100

92 2.8 42.7 64.1#

108 3.5 63.5 95.3#

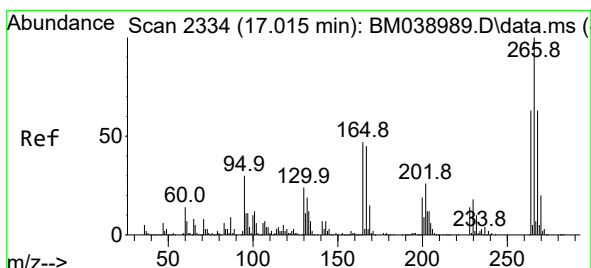
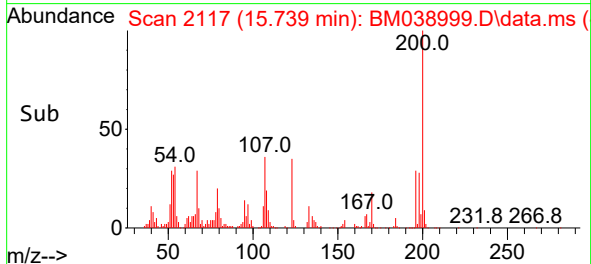
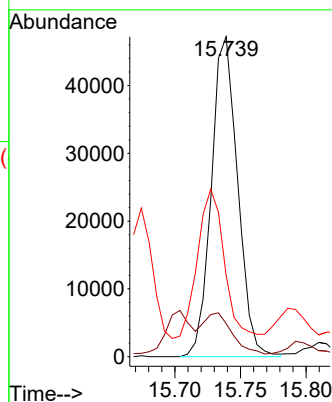
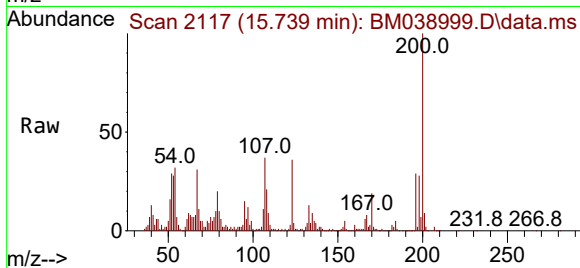




#66
4,6-Dinitro-2-methylphenol
Concen: 4.535 ng/ul
RT: 15.739 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM038999.D
Acq: 13 Mar 2023 20:48

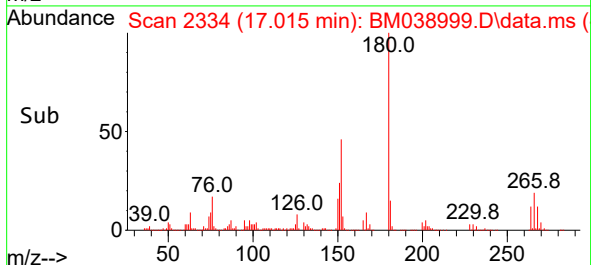
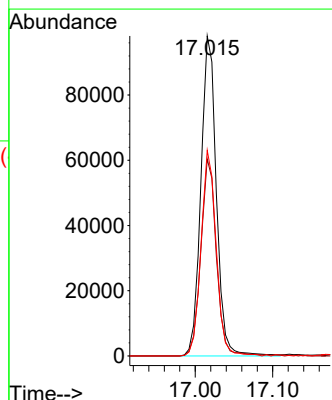
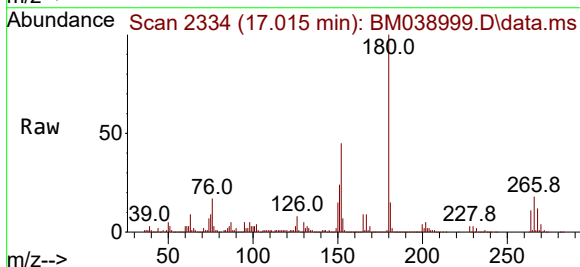
Instrument :
BNA_M
ClientSampleId :
DCAE9

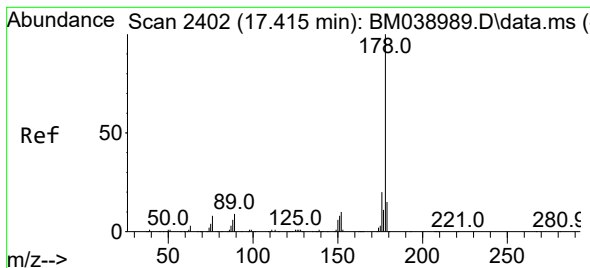
Tgt Ion:198 Resp: 65824
Ion Ratio Lower Upper
198 100
182 10.3 3.6 5.4#
77 25.4 23.7 35.5



#71
Pentachlorophenol
Concen: 7.858 ng/ul
RT: 17.015 min Scan# 2334
Delta R.T. 0.000 min
Lab File: BM038999.D
Acq: 13 Mar 2023 20:48

Tgt Ion:266 Resp: 136258
Ion Ratio Lower Upper
266 100
264 61.5 50.0 75.0
268 64.2 50.5 75.7





#72

Phenanthrene

Concen: 34.133 ng/ul

RT: 17.415 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BM038999.D

Acq: 13 Mar 2023 20:48

Instrument :

BNA_M

ClientSampleId :

DCAE9

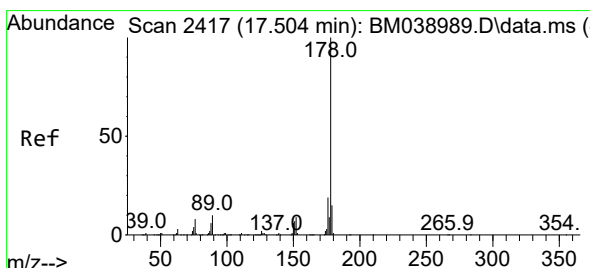
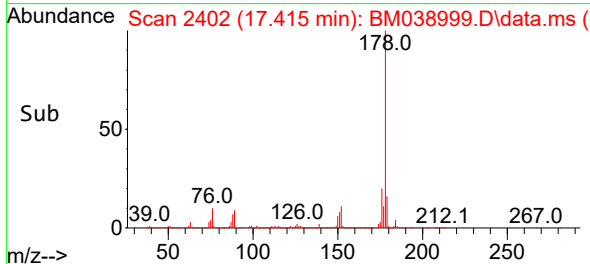
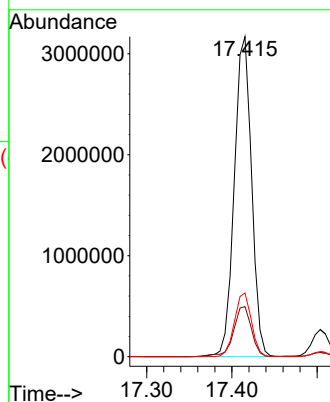
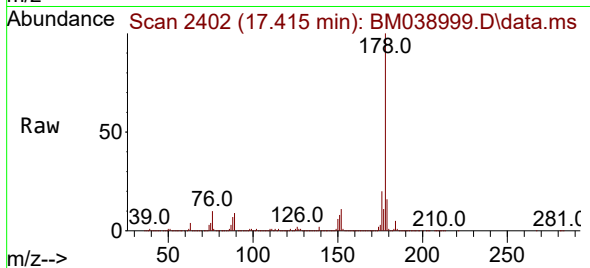
Tgt Ion:178 Resp: 4469613

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

176 19.9 15.7 23.5



#74

Anthracene

Concen: 2.808 ng/ul

RT: 17.504 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BM038999.D

Acq: 13 Mar 2023 20:48

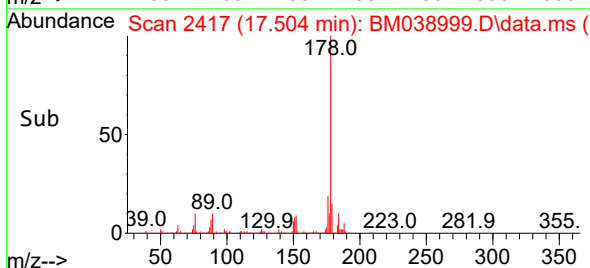
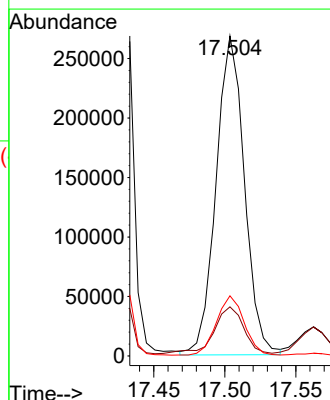
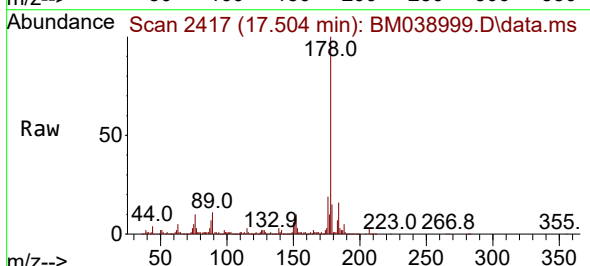
Tgt Ion:178 Resp: 373263

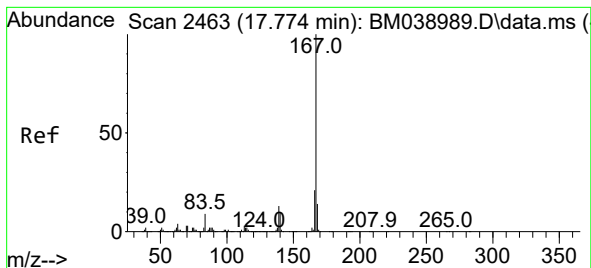
Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

176 18.8 15.2 22.8





#77

Carbazole

Concen: 121.117 ng/ul

RT: 17.780 min Scan# 2463

Delta R.T. 0.006 min

Lab File: BM038999.D

Acq: 13 Mar 2023 20:48

Instrument :

BNA_M

ClientSampleId :

DCAE9

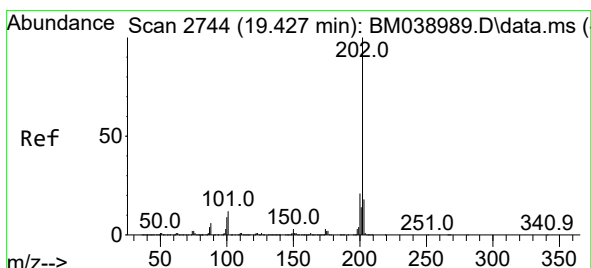
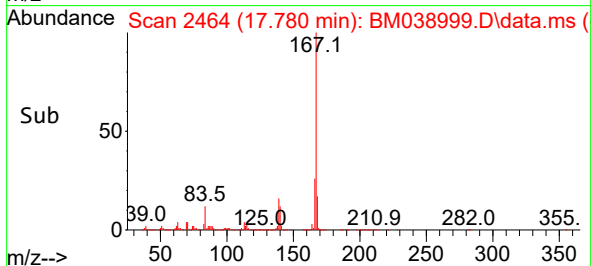
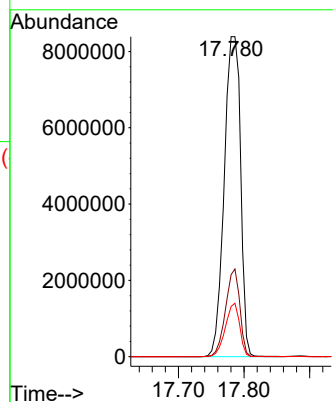
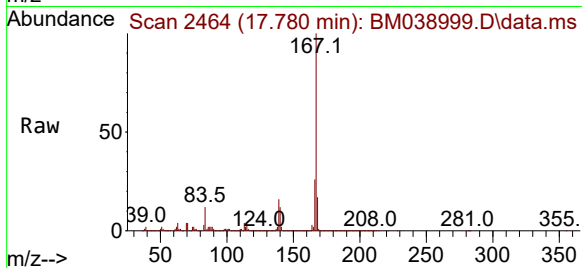
Tgt Ion:167 Resp:14454371

Ion Ratio Lower Upper

167 100

166 25.7 17.0 25.4#

139 15.7 10.4 15.6#



#80

Fluoranthene

Concen: 2.857 ng/ul

RT: 19.421 min Scan# 2743

Delta R.T. -0.006 min

Lab File: BM038999.D

Acq: 13 Mar 2023 20:48

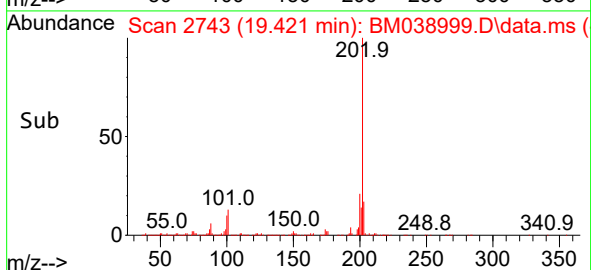
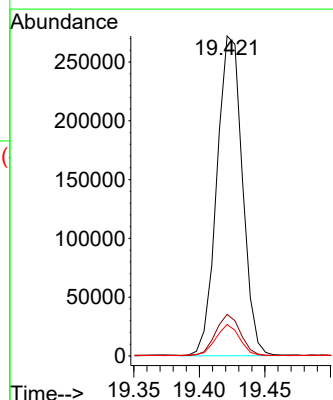
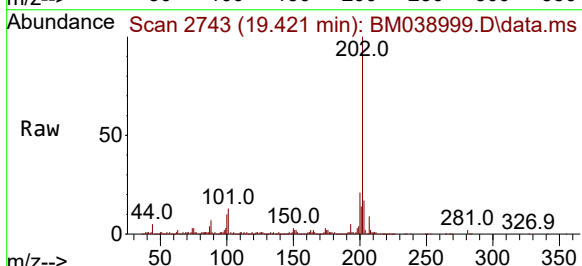
Tgt Ion:202 Resp: 368075

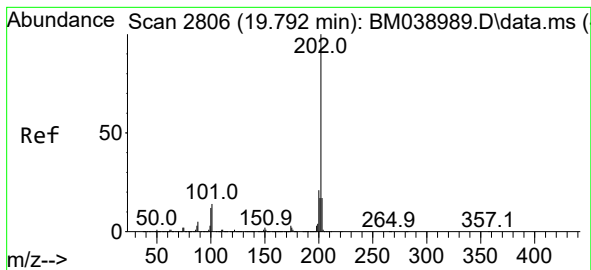
Ion Ratio Lower Upper

202 100

101 13.0 9.9 14.9

100 9.8 7.4 11.2





#82

Pyrene

Concen: 1.195 ng/ul

RT: 19.786 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM038999.D

Acq: 13 Mar 2023 20:48

Instrument :

BNA_M

ClientSampleId :

DCAE9

Tgt Ion:202 Resp: 164285

Ion Ratio Lower Upper

202 100

101 15.1 11.4 17.2

100 13.5 9.3 13.9

