

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042023\
 Data File : BM039529.D
 Acq On : 20 Apr 2023 17:48
 Operator : CG/JU
 Sample : 02296-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCBN4

Quant Time: Apr 21 00:38:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 19 08:18:41 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	222986	20.000	ng/ul	0.00
20) Naphthalene-d8	10.684	136	505317	20.000	ng/ul	# 0.04
38) Acenaphthene-d10	14.483	164	597923	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.236	188	1182146	20.000	ng/ul	0.00
79) Chrysene-d12	21.424	240	874580	20.000	ng/ul	0.00
88) Perylene-d12	23.789	264	790945	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	27108	4.666	ng/uL	0.00
4) Pyridine-d5	3.649	84	57141	3.501	ng/ul	0.00
7) Phenol-d5	7.013	99	200134	9.806	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.160	67	516687	38.303	ng/ul	0.00
11) 2-Chlorophenol-d4	7.360	132	523807	32.719	ng/ul	0.00
15) 4-Methylphenol-d8	8.572	113	363740	22.126	ng/ul	0.00
21) Nitrobenzene-d5	9.013	128	364542	89.670	ng/ul	0.01
24) 2-Nitrophenol-d4	9.748	143	366516	80.289	ng/ul	0.03
28) 2,4-Dichlorophenol-d3	10.354	165	580572	73.913	ng/ul	0.09
31) 4-Chloroaniline-d4	10.848	131	2547	0.217	ng/ul	0.06
46) Dimethylphthalate-d6	13.907	166	1975482	40.967	ng/ul	0.00
49) Acenaphthylene-d8	14.178	160	2296996	42.401	ng/ul	0.00
54) 4-Nitrophenol-d4	14.736	143	55334	7.582	ng/ul	0.00
60) Fluorene-d10	15.477	176	1674169	42.376	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.619	200	260042	33.102	ng/ul	0.00
73) Anthracene-d10	17.336	188	2483144	43.678	ng/ul	0.00
81) Pyrene-d10	19.630	212	2731365	46.999	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.636	264	1905630	44.626	ng/ul	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.960	77	104678	12.005	ng/ul#	1
10) Bis(2-Chloroethyl)ether	7.249	93	68300	3.855	ng/ul#	31
16) Acetophenone	8.672	105	35629	1.319	ng/ul#	89
19) Hexachloroethane	8.931	117	143174	19.568	ng/ul#	9
22) Nitrobenzene	9.072	77	47545	4.737	ng/ul#	27
25) 2-Nitrophenol	9.760	139	21415	4.496	ng/ul#	36
27) Bis(2-Chloroethoxy)met...	10.072	93	183280	14.561	ng/ul#	1
32) 4-Chloroaniline	10.719	127	9096576	786.938	ng/ul#	7
36) 2-Methylnaphthalene	12.342	142	26404648	1408.790	ng/ul	100
37) 1-Methylnaphthalene	12.560	142	18913838	1004.188	ng/ul	98
43) 1,1'-Biphenyl	13.325	154	7632267	165.170	ng/ul	98
45) 2-Nitroaniline	13.513	65	15563	1.488	ng/ul#	26
50) Acenaphthylene	14.207	152	601918	10.387	ng/ul#	93
52) Acenaphthene	14.566	153	12324190	308.898	ng/ul	99
56) Dibenzofuran	14.895	168	15668538	288.934	ng/ul	96
61) Fluorene	15.542	166	8692644	193.778	ng/ul	99
63) 4-Nitroaniline	15.542	138	99197	14.293	ng/ul#	18
72) Phenanthrene	17.283	178	9786379	149.115	ng/ul	99
74) Anthracene	17.371	178	317177	4.817	ng/ul	100
77) Carbazole	17.660	167	10759317	183.901	ng/ul	98
80) Fluoranthene	19.295	202	446294	6.552	ng/ul	97
82) Pyrene	19.660	202	196064	2.780	ng/ul	98

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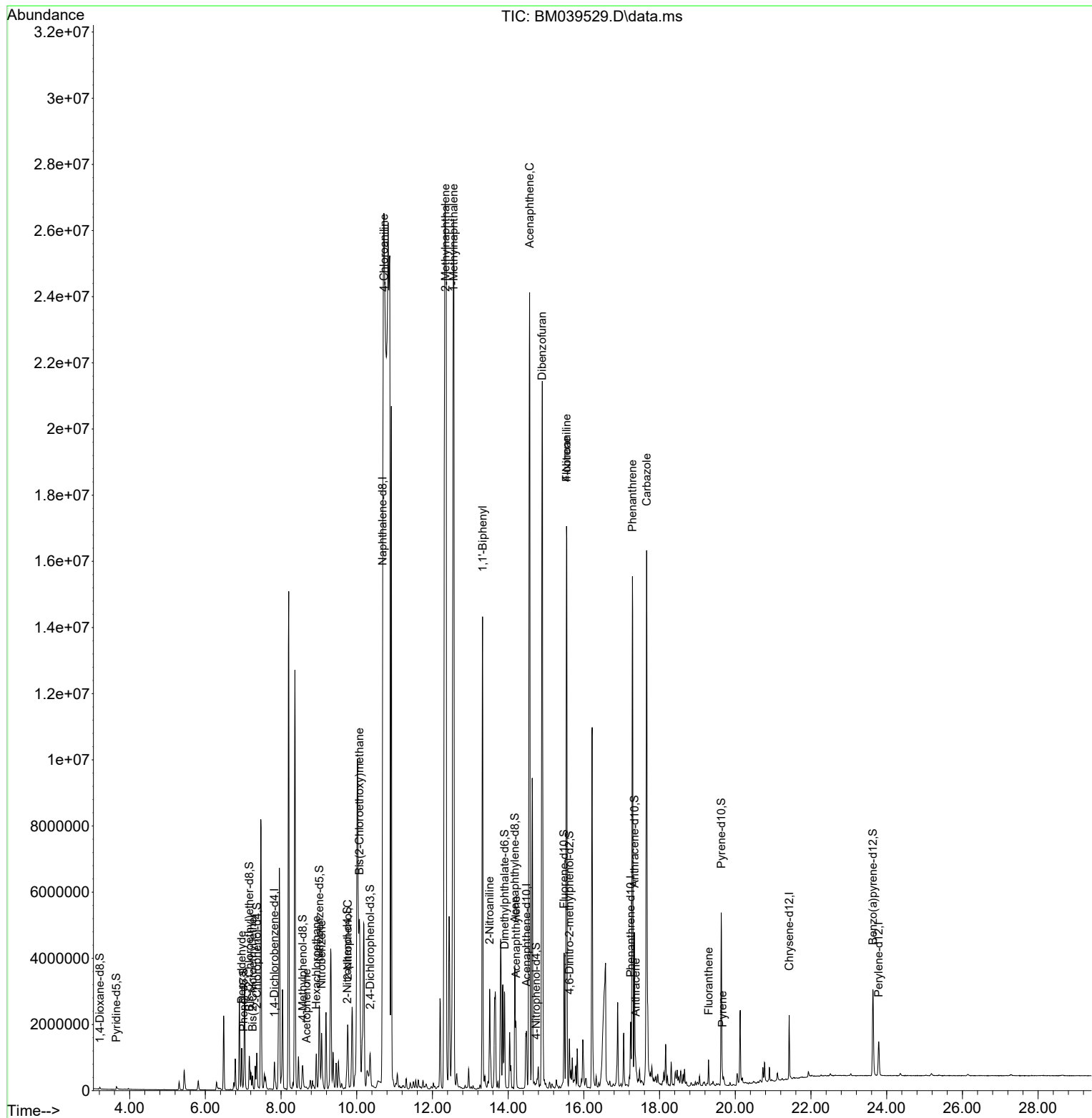
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

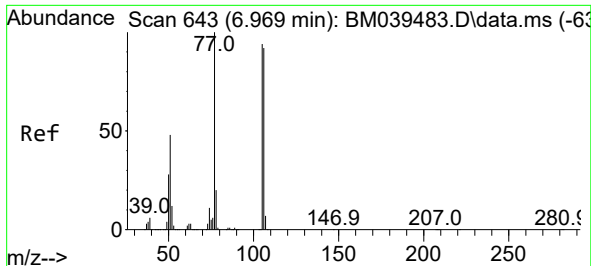
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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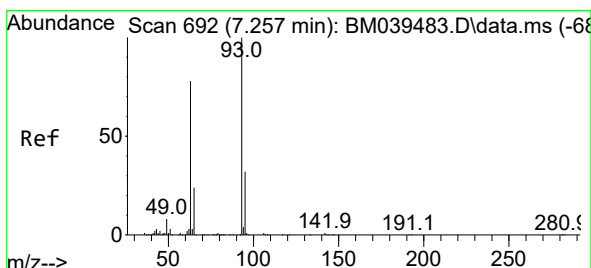
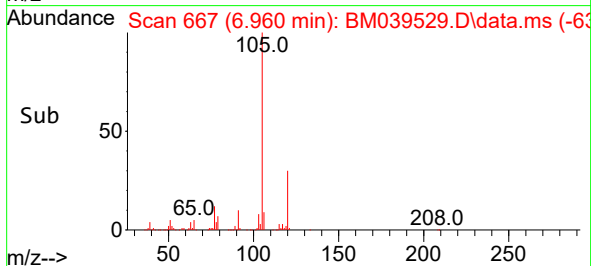
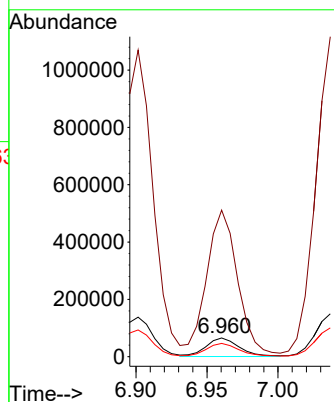
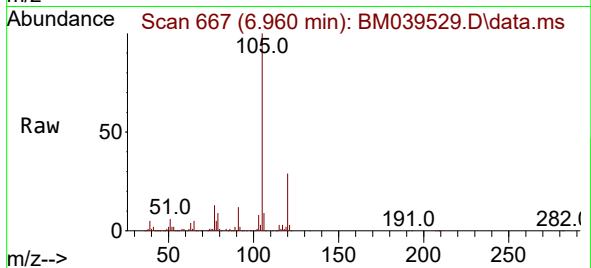




#6
Benzaldehyde
Concen: 12.005 ng/ul
RT: 6.960 min Scan# 61
Delta R.T. -0.009 min
Lab File: BM039529.D
Acq: 20 Apr 2023 17:48

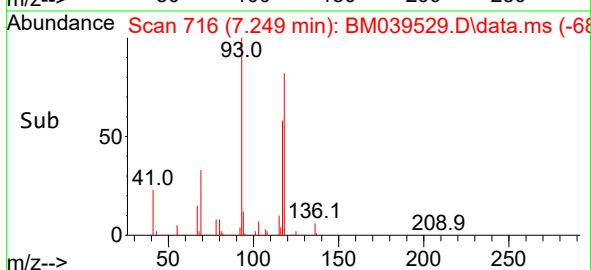
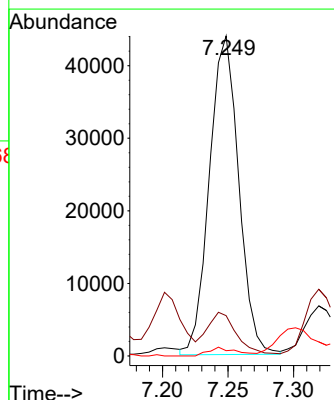
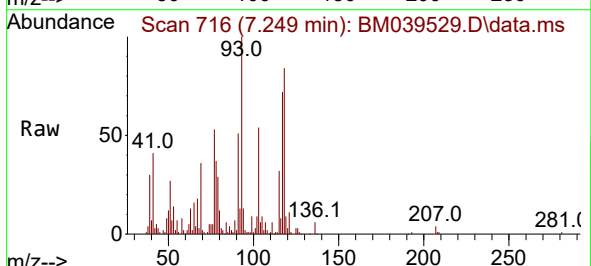
Instrument :
BNA_M
ClientSampleId :
DCBN4

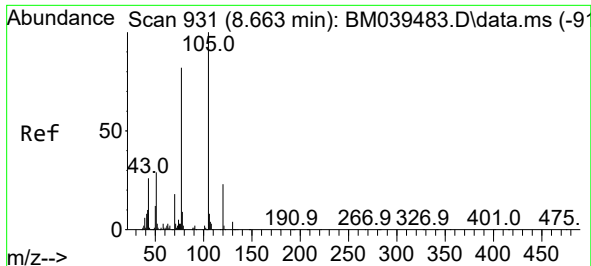
Tgt Ion: 77 Resp: 104678
Ion Ratio Lower Upper
77 100
105 780.0 76.3 114.5#
106 71.0 75.4 113.0#



#10
Bis(2-Chloroethyl)ether
Concen: 3.855 ng/ul
RT: 7.249 min Scan# 716
Delta R.T. -0.009 min
Lab File: BM039529.D
Acq: 20 Apr 2023 17:48

Tgt Ion: 93 Resp: 68300
Ion Ratio Lower Upper
93 100
63 12.6 61.9 92.9#
95 1.7 25.8 38.8#

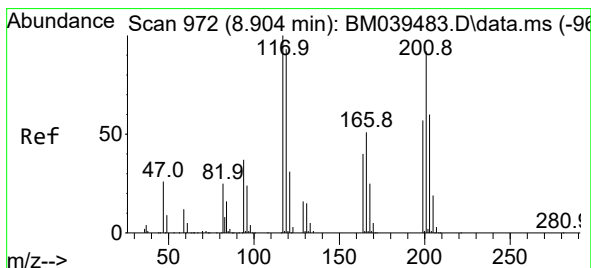
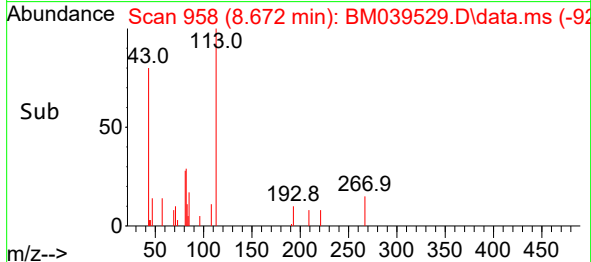
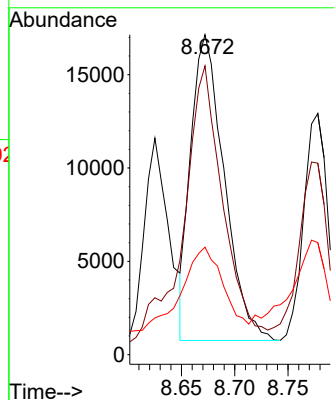
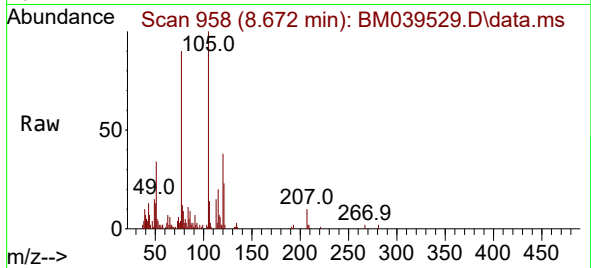




#16
Acetophenone
Concen: 1.319 ng/ul
RT: 8.672 min Scan# 91
Delta R.T. 0.009 min
Lab File: BM039529.D
Acq: 20 Apr 2023 17:48

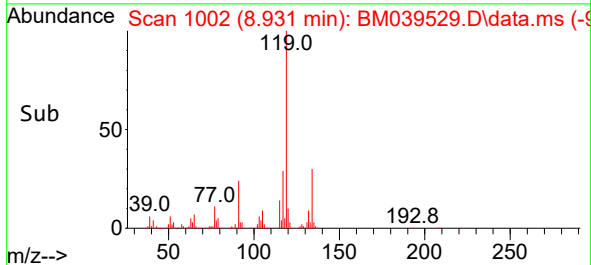
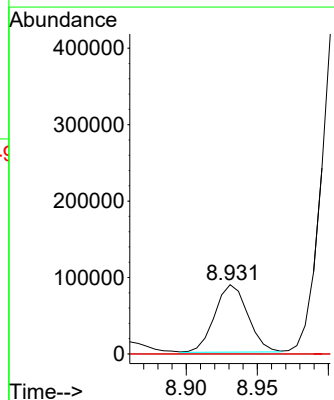
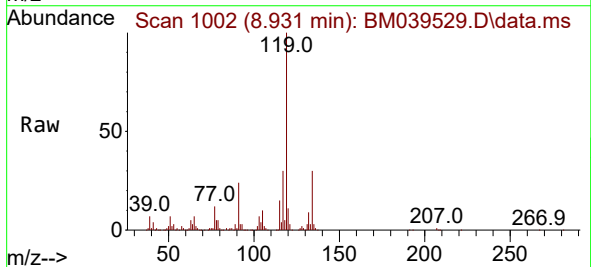
Instrument :
BNA_M
ClientSampleId :
DCBN4

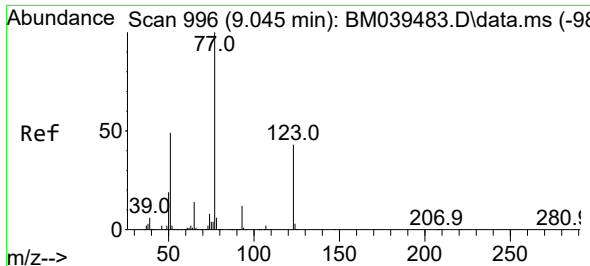
Tgt Ion:105 Resp: 35629
Ion Ratio Lower Upper
105 100
77 90.3 64.1 96.1
51 33.6 22.2 33.4#



#19
Hexachloroethane
Concen: 19.568 ng/ul
RT: 8.931 min Scan# 1002
Delta R.T. 0.027 min
Lab File: BM039529.D
Acq: 20 Apr 2023 17:48

Tgt Ion:117 Resp: 143174
Ion Ratio Lower Upper
117 100
201 0.0 78.3 117.5#
199 0.0 47.4 71.0#

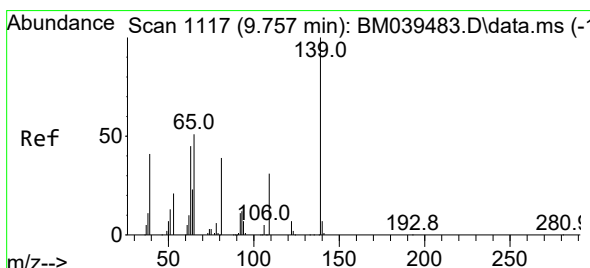
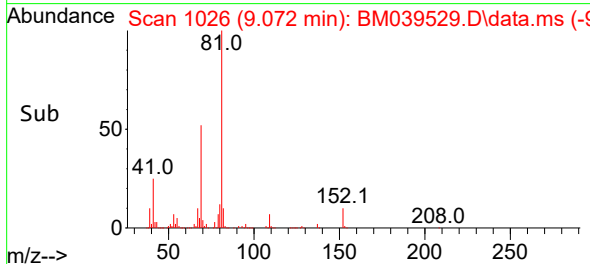
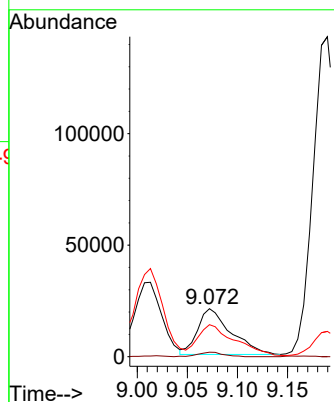
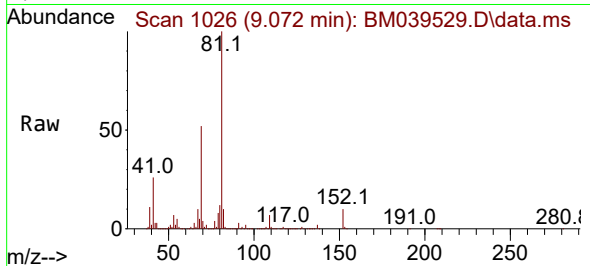




#22
Nitrobenzene
Concen: 4.737 ng/ul
RT: 9.072 min Scan# 1143
Delta R.T. 0.027 min
Lab File: BM039529.D
Acq: 20 Apr 2023 17:48

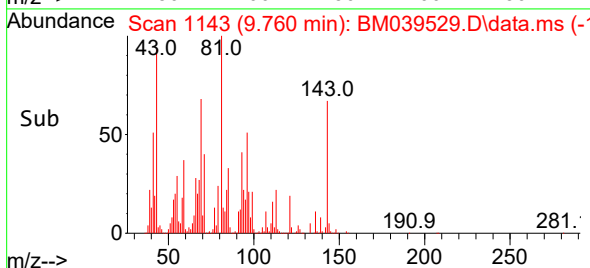
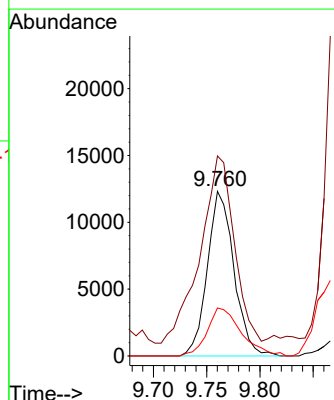
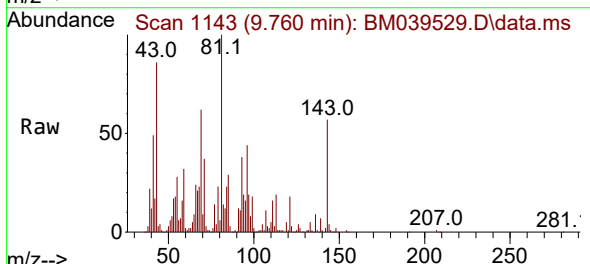
Instrument :
BNA_M
ClientSampleId :
DCBN4

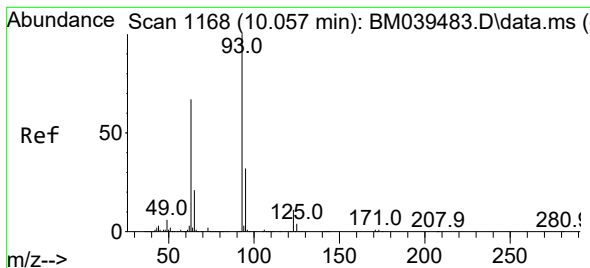
Tgt Ion: 77 Resp: 47545
Ion Ratio Lower Upper
77 100
123 9.2 36.1 54.1#
65 66.8 10.2 15.2#



#25
2-Nitrophenol
Concen: 4.496 ng/ul
RT: 9.760 min Scan# 1143
Delta R.T. 0.003 min
Lab File: BM039529.D
Acq: 20 Apr 2023 17:48

Tgt Ion: 139 Resp: 21415
Ion Ratio Lower Upper
139 100
65 121.4 40.7 61.1#
109 29.2 23.9 35.9





#27

Bis(2-Chloroethoxy)methane

Concen: 14.561 ng/ul

RT: 10.072 min Scan# 1168

Delta R.T. 0.015 min

Lab File: BM039529.D

Acq: 20 Apr 2023 17:48

Instrument :

BNA_M

ClientSampleId :

DCBN4

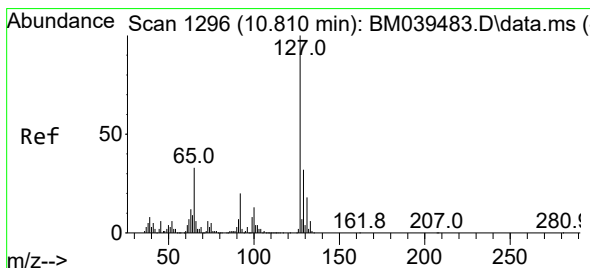
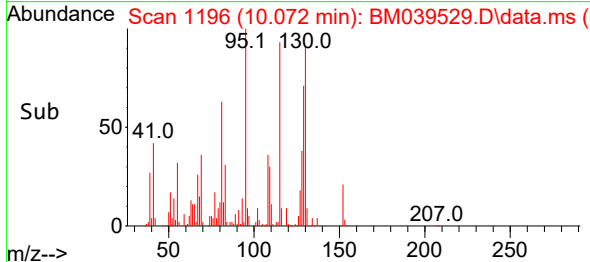
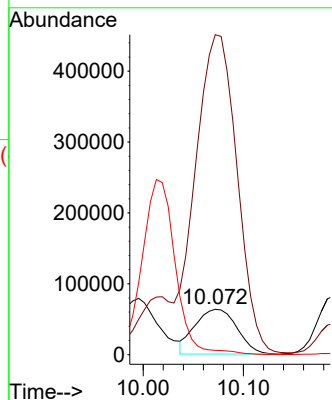
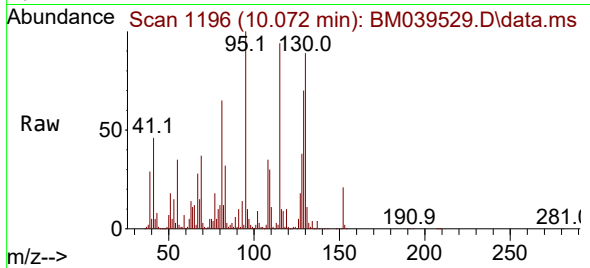
Tgt Ion: 93 Resp: 183280

Ion Ratio Lower Upper

93 100

95 704.0 25.8 38.6#

123 9.4 8.8 13.2



#32

4-Chloroaniline

Concen: 786.938 ng/ul

RT: 10.719 min Scan# 1306

Delta R.T. -0.091 min

Lab File: BM039529.D

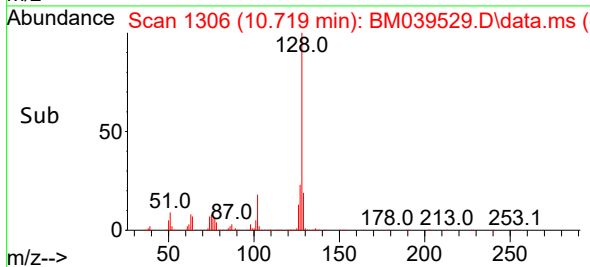
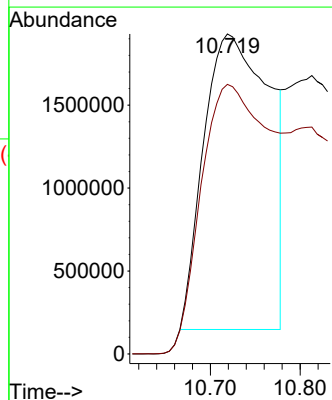
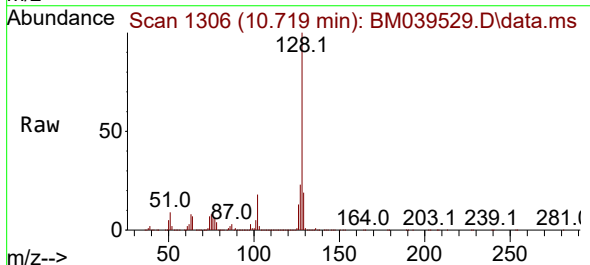
Acq: 20 Apr 2023 17:48

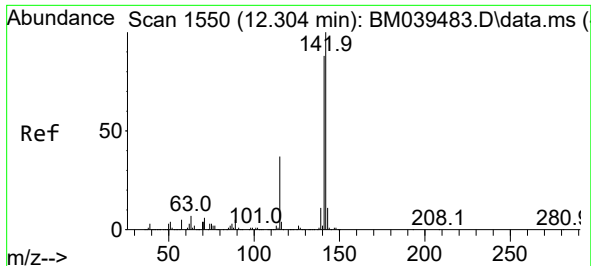
Tgt Ion:127 Resp: 9096576

Ion Ratio Lower Upper

127 100

129 84.2 25.8 38.8#





#36

2-Methylnaphthalene

Concen: 1408.790 ng/ul

RT: 12.342 min Scan# 1

Delta R.T. 0.038 min

Lab File: BM039529.D

Acq: 20 Apr 2023 17:48

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ClientSampleId :

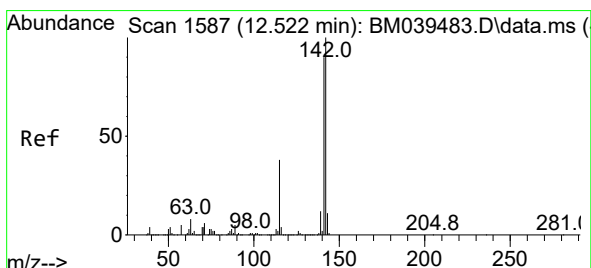
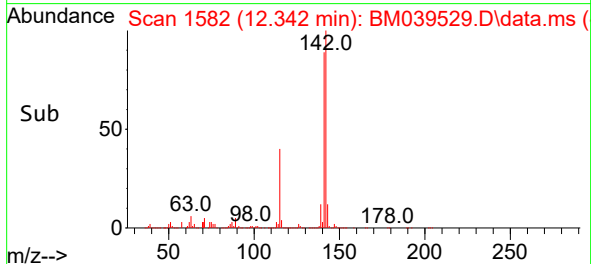
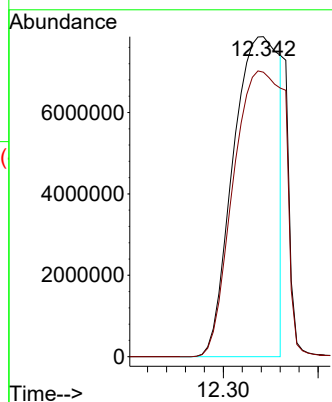
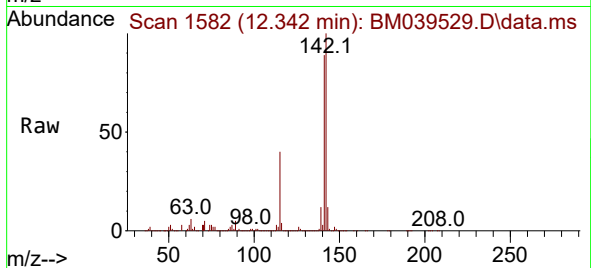
DCBN4

Tgt Ion:142 Resp:26404648

Ion Ratio Lower Upper

142 100

141 88.9 71.1 106.7



#37

1-Methylnaphthalene

Concen: 1004.188 ng/ul

RT: 12.560 min Scan# 1619

Delta R.T. 0.038 min

Lab File: BM039529.D

Acq: 20 Apr 2023 17:48

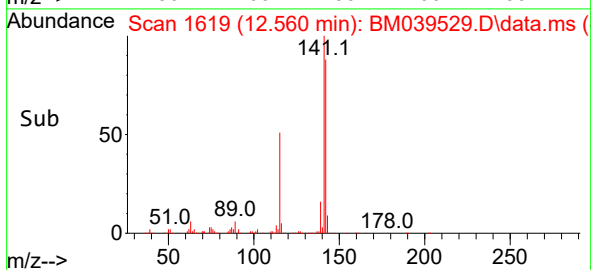
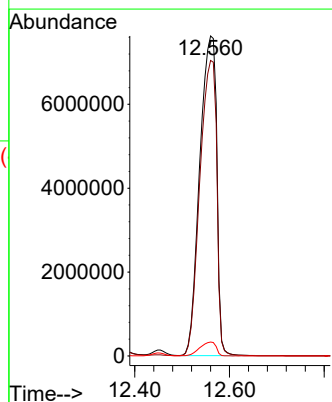
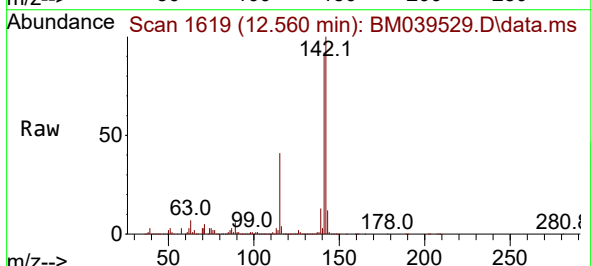
Tgt Ion:142 Resp:18913838

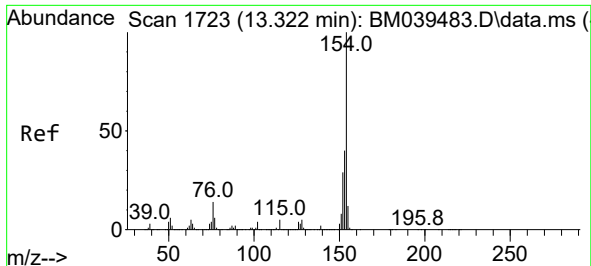
Ion Ratio Lower Upper

142 100

141 92.4 72.0 108.0

116 4.3 3.2 4.8

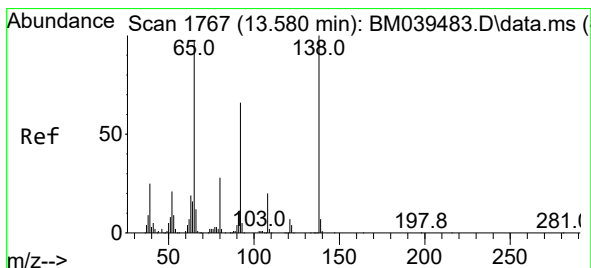
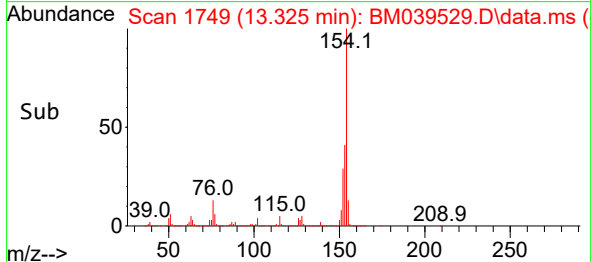
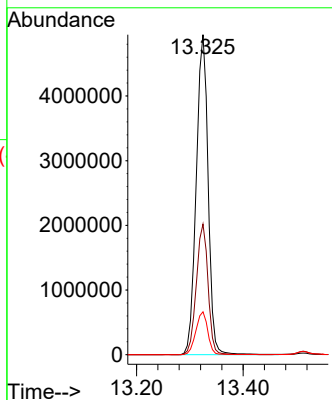
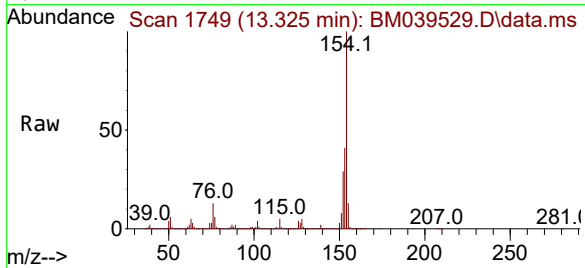




#43
1,1'-Biphenyl
Concen: 165.170 ng/ul
RT: 13.325 min Scan# 1723
Delta R.T. 0.003 min
Lab File: BM039529.D
Acq: 20 Apr 2023 17:48

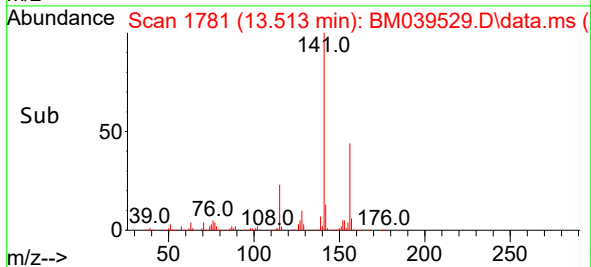
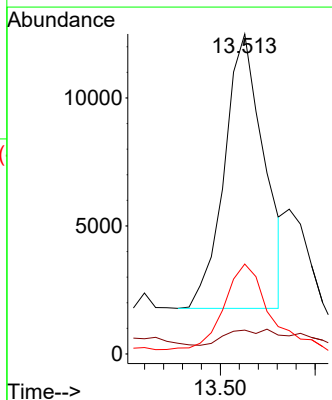
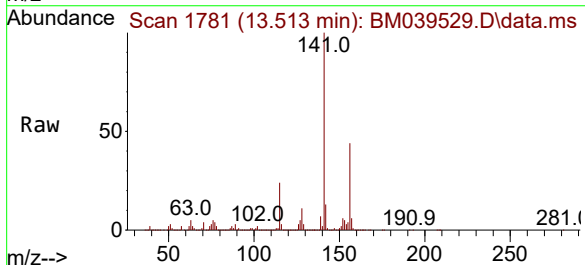
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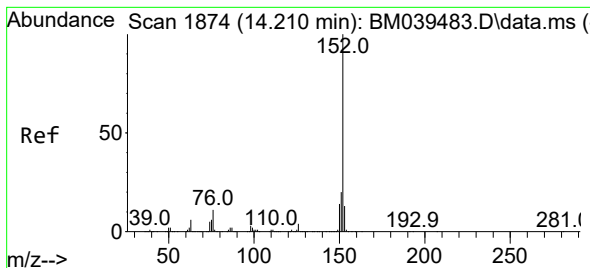
Tgt Ion:154 Resp: 7632267
Ion Ratio Lower Upper
154 100
153 40.8 31.9 47.9
76 13.4 11.5 17.3



#45
2-Nitroaniline
Concen: 1.488 ng/ul
RT: 13.513 min Scan# 1781
Delta R.T. -0.067 min
Lab File: BM039529.D
Acq: 20 Apr 2023 17:48

Tgt Ion: 65 Resp: 15563
Ion Ratio Lower Upper
65 100
92 7.4 53.4 80.2#
138 28.1 83.2 124.8#





#50

Acenaphthylene

Concen: 10.387 ng/ul

RT: 14.207 min Scan# 1

Delta R.T. -0.003 min

Lab File: BM039529.D

Acq: 20 Apr 2023 17:48

Instrument :

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ClientSampleId :

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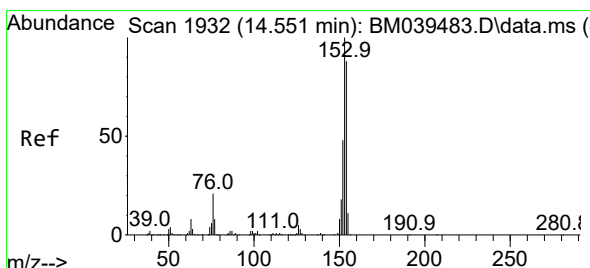
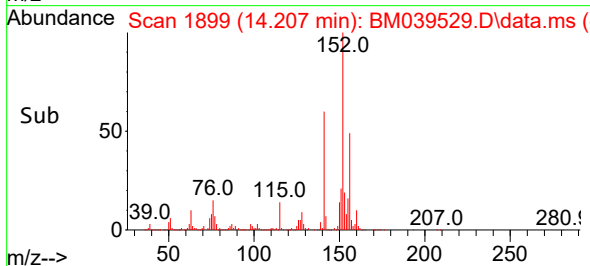
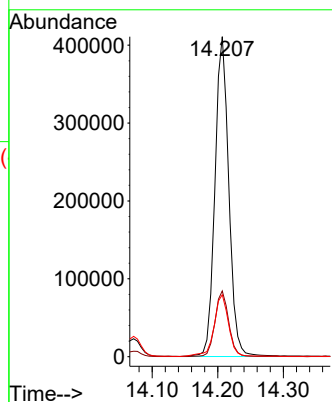
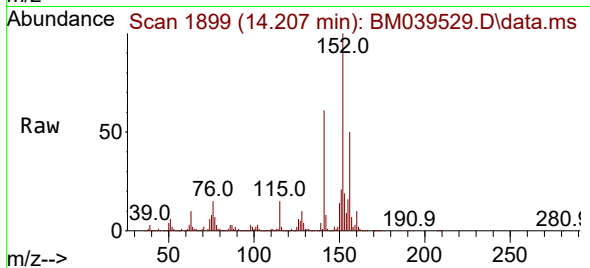
Tgt Ion:152 Resp: 601918

Ion Ratio Lower Upper

152 100

151 20.6 15.8 23.8

153 19.3 10.4 15.6#



#52

Acenaphthene

Concen: 308.898 ng/ul

RT: 14.566 min Scan# 1960

Delta R.T. 0.015 min

Lab File: BM039529.D

Acq: 20 Apr 2023 17:48

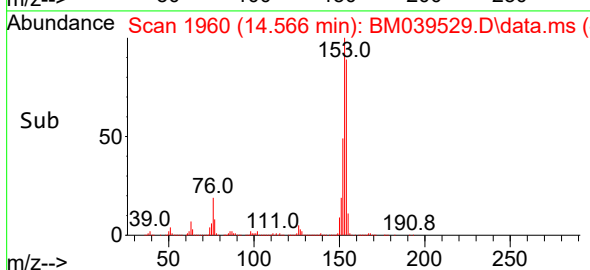
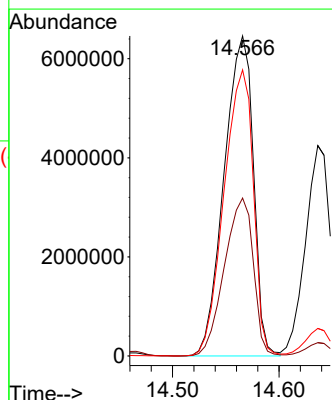
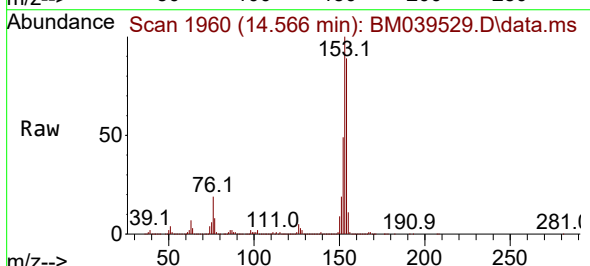
Tgt Ion:153 Resp:12324190

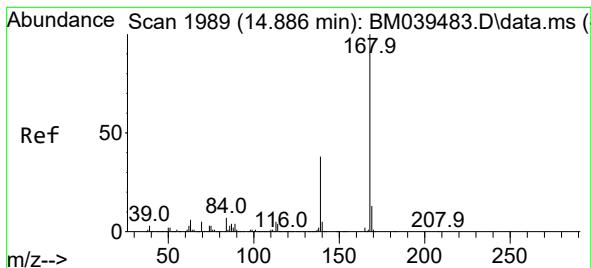
Ion Ratio Lower Upper

153 100

152 49.3 38.2 57.4

154 89.4 71.0 106.4





#56

Dibenzenofuran

Concen: 288.934 ng/ul

RT: 14.895 min Scan# 2016

Delta R.T. 0.009 min

Lab File: BM039529.D

Acq: 20 Apr 2023 17:48

Instrument :

BNA_M

ClientSampleId :

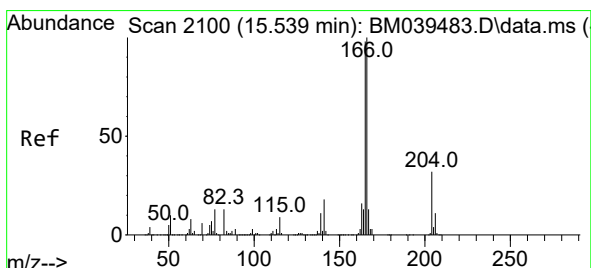
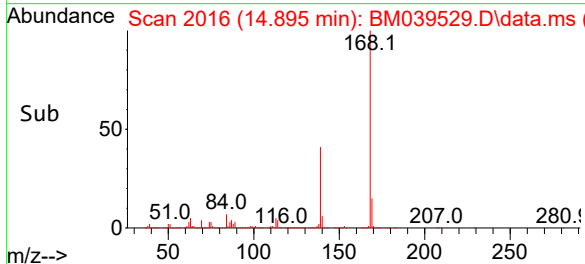
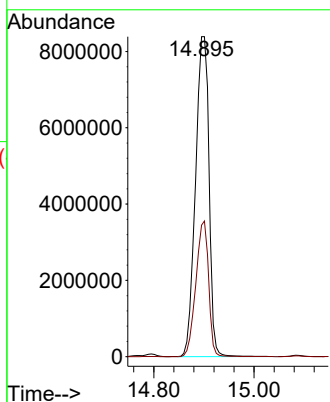
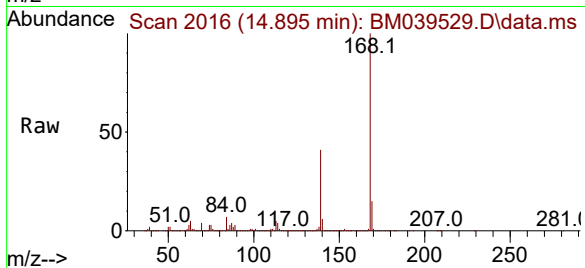
DCBN4

Tgt Ion:168 Resp:15668538

Ion Ratio Lower Upper

168 100

139 41.1 30.7 46.1



#61

Fluorene

Concen: 193.778 ng/ul

RT: 15.542 min Scan# 2126

Delta R.T. 0.003 min

Lab File: BM039529.D

Acq: 20 Apr 2023 17:48

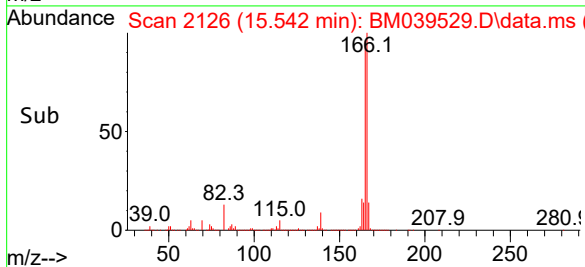
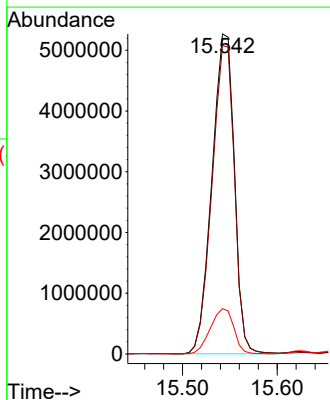
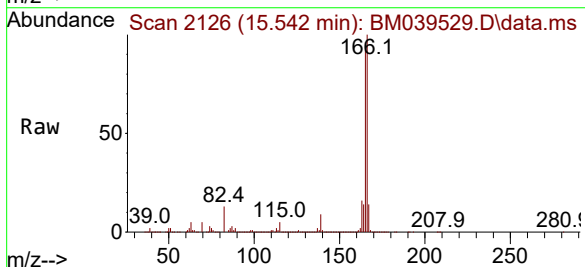
Tgt Ion:166 Resp: 8692644

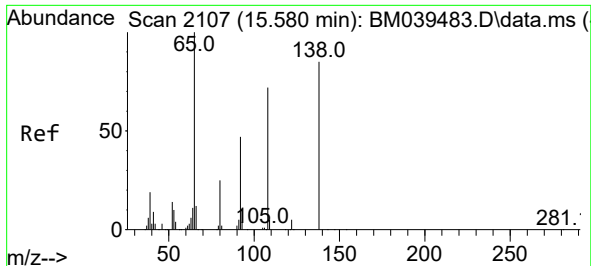
Ion Ratio Lower Upper

166 100

165 96.4 78.2 117.2

167 14.2 10.7 16.1

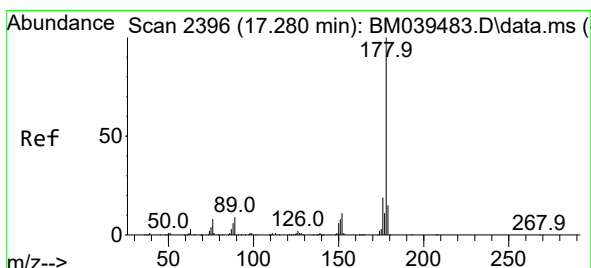
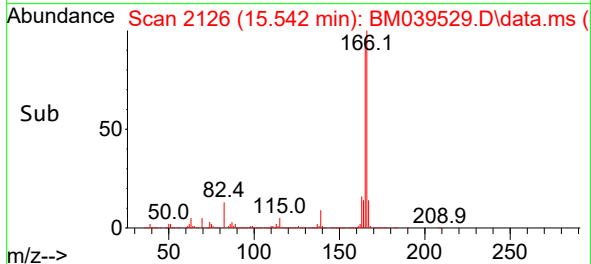
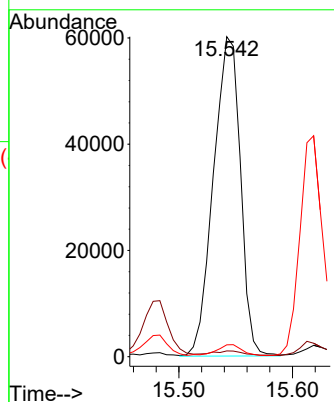
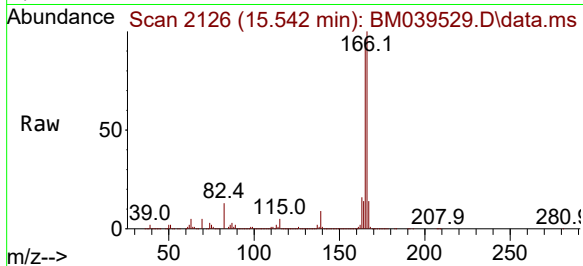




#63
4-Nitroaniline
Concen: 14.293 ng/ul
RT: 15.542 min Scan# 2107
Delta R.T. -0.038 min
Lab File: BM039529.D
Acq: 20 Apr 2023 17:48

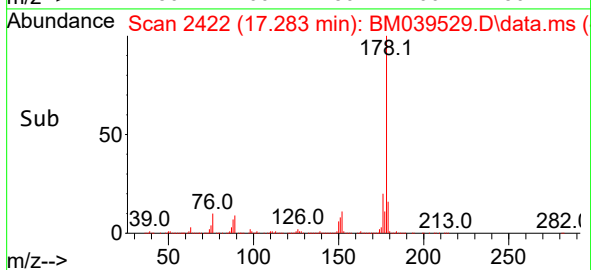
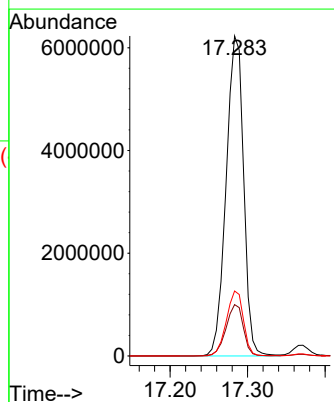
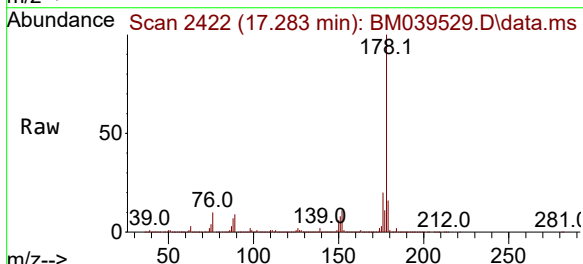
Instrument :
BNA_M
ClientSampleId :
DCBN4

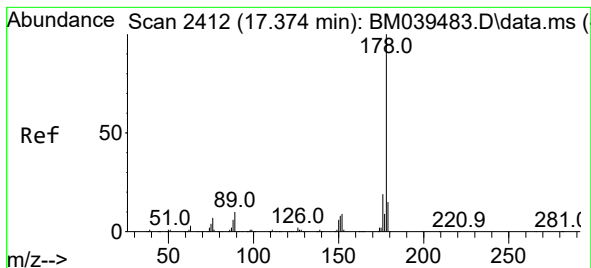
Tgt Ion:138 Resp: 99197
Ion Ratio Lower Upper
138 100
92 1.8 44.1 66.1#
108 3.7 64.6 97.0#



#72
Phenanthrene
Concen: 149.115 ng/ul
RT: 17.283 min Scan# 2422
Delta R.T. 0.003 min
Lab File: BM039529.D
Acq: 20 Apr 2023 17:48

Tgt Ion:178 Resp: 9786379
Ion Ratio Lower Upper
178 100
179 16.1 12.2 18.4
176 20.3 15.8 23.8





#74

Anthracene

Concen: 4.817 ng/ul

RT: 17.371 min Scan# 2412

Delta R.T. -0.003 min

Lab File: BM039529.D

Acq: 20 Apr 2023 17:48

Instrument :

BNA_M

ClientSampleId :

DCBN4

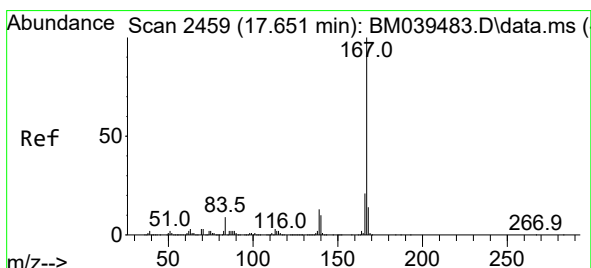
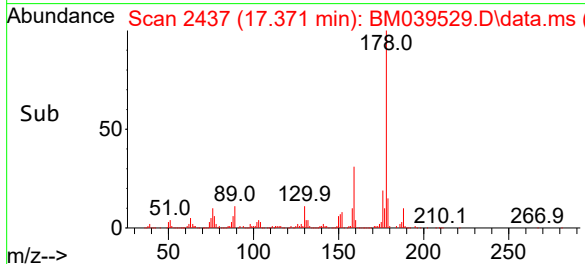
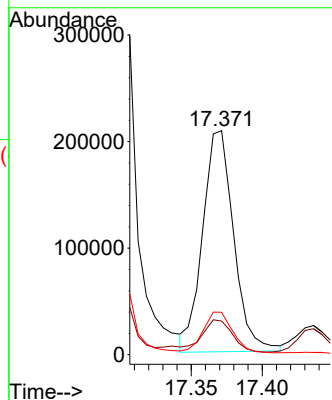
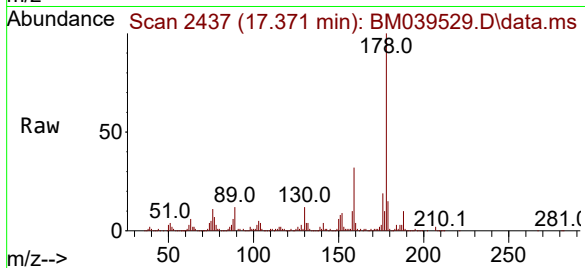
Tgt Ion:178 Resp: 317177

Ion Ratio Lower Upper

178 100

179 15.0 12.1 18.1

176 18.9 15.0 22.6



#77

Carbazole

Concen: 183.901 ng/ul

RT: 17.660 min Scan# 2486

Delta R.T. 0.009 min

Lab File: BM039529.D

Acq: 20 Apr 2023 17:48

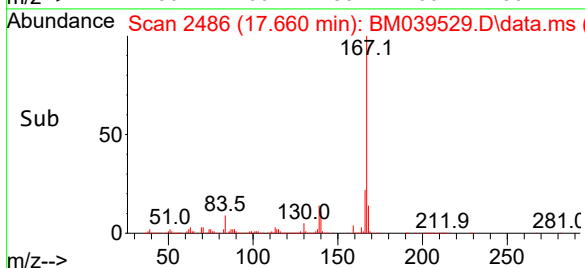
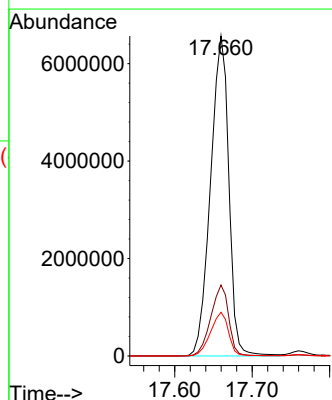
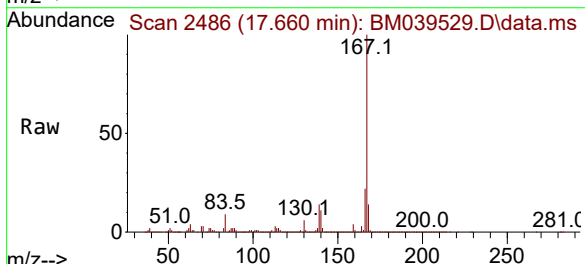
Tgt Ion:167 Resp:10759317

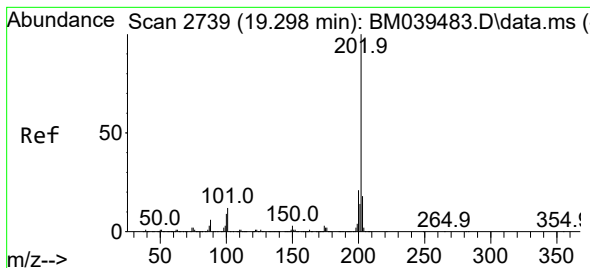
Ion Ratio Lower Upper

167 100

166 22.1 17.0 25.4

139 13.7 10.6 15.8





#80

Fluoranthene

Concen: 6.552 ng/ul

RT: 19.295 min Scan# 21

Delta R.T. -0.003 min

Lab File: BM039529.D

Acq: 20 Apr 2023 17:48

Instrument :

BNA_M

ClientSampleId :

DCBN4

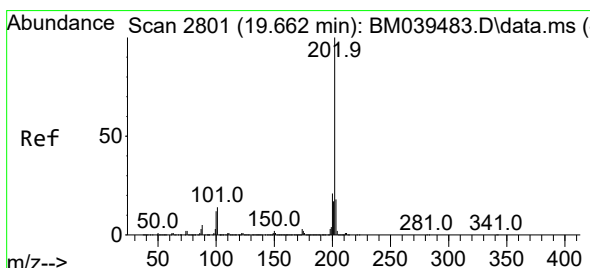
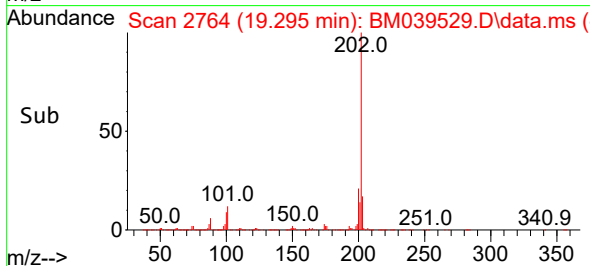
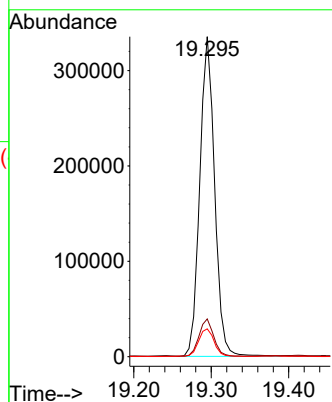
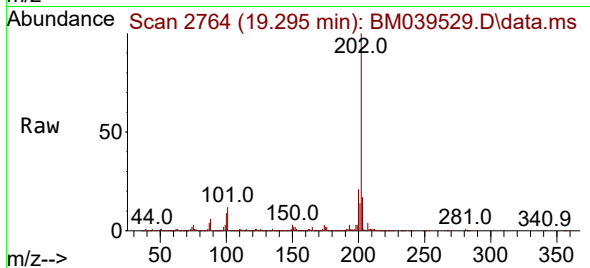
Tgt Ion:202 Resp: 446294

Ion Ratio Lower Upper

202 100

101 11.8 10.4 15.6

100 8.7 7.7 11.5



#82

Pyrene

Concen: 2.780 ng/ul

RT: 19.660 min Scan# 2826

Delta R.T. -0.003 min

Lab File: BM039529.D

Acq: 20 Apr 2023 17:48

Tgt Ion:202 Resp: 196064

Ion Ratio Lower Upper

202 100

101 13.8 12.1 18.1

100 11.9 9.6 14.4

