

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042023\
 Data File : BM039528.D
 Acq On : 20 Apr 2023 17:12
 Operator : CG/JU
 Sample : 02296-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCBN2

Quant Time: Apr 21 00:38:18 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

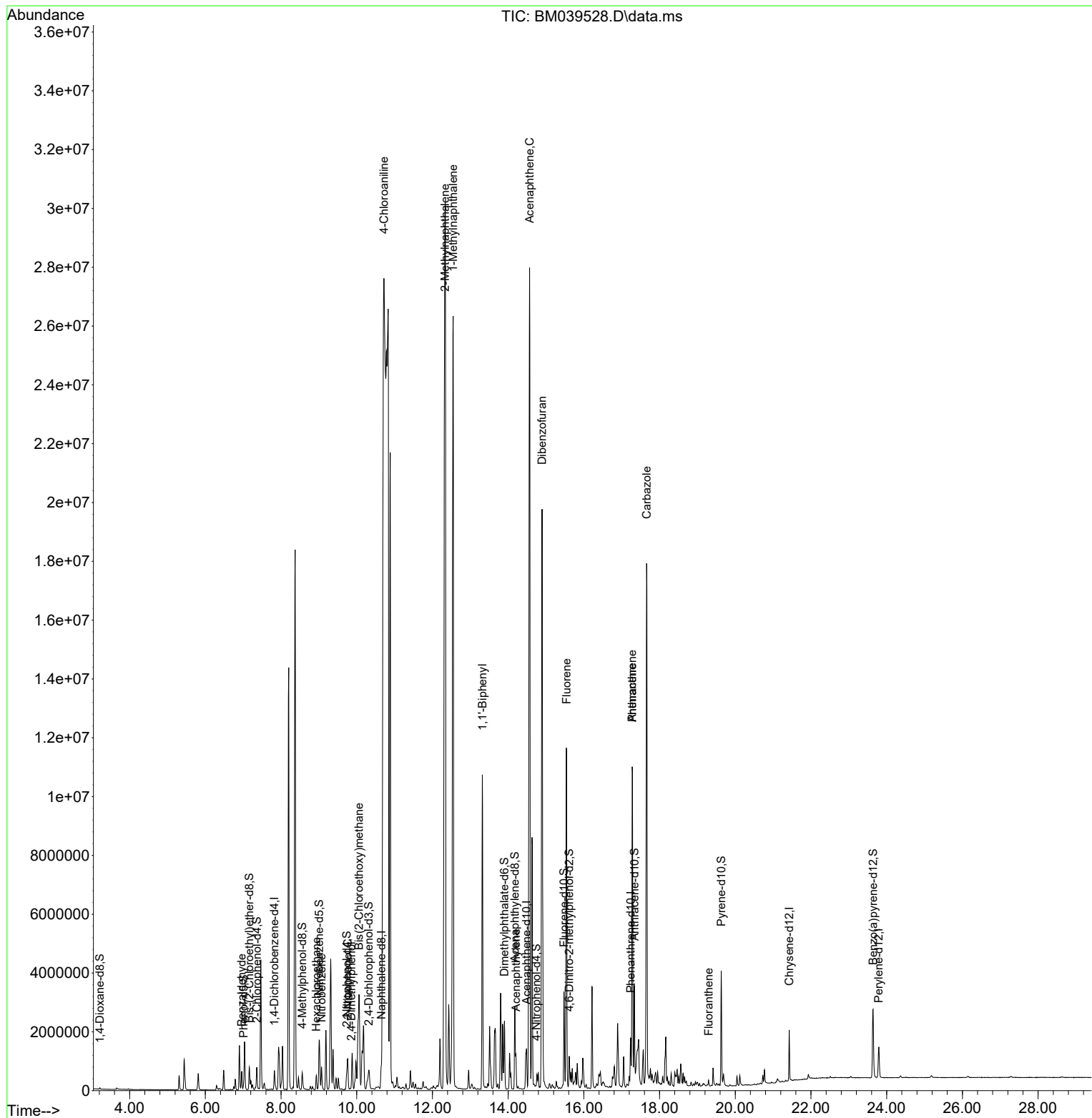
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	177690	20.000	ng/ul	0.00
20) Naphthalene-d8	10.654	136	156381	20.000	ng/ul	0.01
38) Acenaphthene-d10	14.483	164	480008	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.236	188	938068	20.000	ng/ul	0.00
79) Chrysene-d12	21.424	240	781015	20.000	ng/ul	0.00
88) Perylene-d12	23.788	264	802592	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.213	96	20461	4.420	ng/uL	0.00
4) Pyridine-d5	3.643	84	262	0.020	ng/ul	0.00
7) Phenol-d5	7.013	99	122787	7.550	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.160	67	388936	36.182	ng/ul	0.00
11) 2-Chlorophenol-d4	7.360	132	369241	28.943	ng/ul	0.00
15) 4-Methylphenol-d8	8.560	113	233264	17.806	ng/ul	0.00
21) Nitrobenzene-d5	9.007	128	253472	201.469	ng/ul	0.00
24) 2-Nitrophenol-d4	9.736	143	255344	180.745	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.319	165	400600	164.799	ng/ul	0.05
31) 4-Chloroaniline-d4	10.807	131	3603	0.992	ng/ul	0.02
46) Dimethylphthalate-d6	13.901	166	1484752	38.354	ng/ul	0.00
49) Acenaphthylene-d8	14.177	160	1687187	38.795	ng/ul	0.00
54) 4-Nitrophenol-d4	14.742	143	34585	5.903	ng/ul	0.01
60) Fluorene-d10	15.477	176	1268277	39.988	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.612	200	203125	32.585	ng/ul	0.00
73) Anthracene-d10	17.336	188	1849878	41.005	ng/ul	0.00
81) Pyrene-d10	19.630	212	2014170	38.810	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.641	264	1745098	40.273	ng/ul	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.960	77	47476	6.833	ng/ul#	1
19) Hexachloroethane	8.931	117	62897	10.788	ng/ul#	9
22) Nitrobenzene	9.072	77	18255	5.877	ng/ul#	27
25) 2-Nitrophenol	9.766	139	11126	7.548	ng/ul#	49
26) 2,4-Dimethylphenol	9.854	107	6803	2.258	ng/ul	90
27) Bis(2-Chloroethoxy)met...	10.060	93	77693	19.946	ng/ul#	1
32) 4-Chloroaniline	10.719	127	11371518	3178.784	ng/ul#	8
36) 2-Methylnaphthalene	12.330	142	24541385	4231.016	ng/ul	96
37) 1-Methylnaphthalene	12.548	142	15110534	2592.359	ng/ul	97
43) 1,1'-Biphenyl	13.318	154	5630163	151.774	ng/ul	99
50) Acenaphthylene	14.207	152	185606	3.990	ng/ul#	81
52) Acenaphthene	14.565	153	14390415	449.290	ng/ul	98
56) Dibenzofuran	14.895	168	13397728	307.750	ng/ul	98
61) Fluorene	15.542	166	5485564	152.325	ng/ul	99
72) Phenanthrene	17.277	178	6700312	128.656	ng/ul	99
74) Anthracene	17.277	178	6700312	128.246	ng/ul	98
77) Carbazole	17.659	167	13114137	282.473	ng/ul	97
80) Fluoranthene	19.295	202	93582	1.538	ng/ul	99

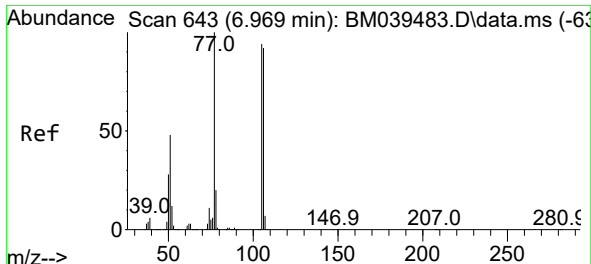
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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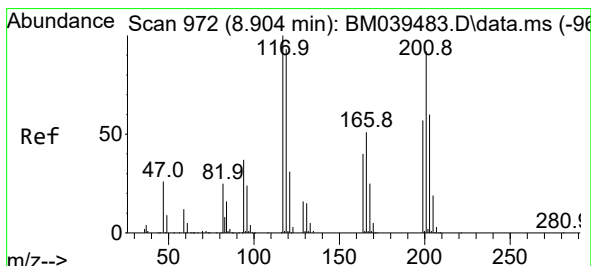
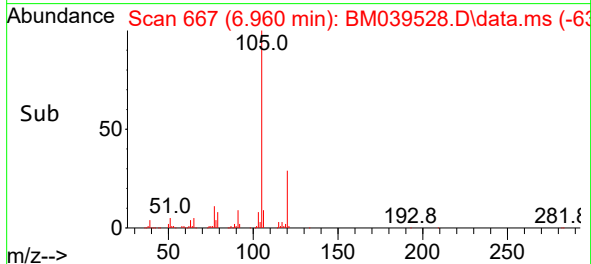
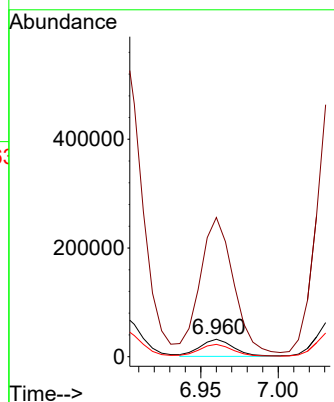
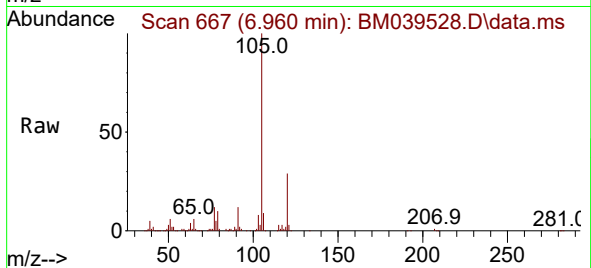




#6
Benzaldehyde
Concen: 6.833 ng/ul
RT: 6.960 min Scan# 60
Delta R.T. -0.009 min
Lab File: BM039528.D
Acq: 20 Apr 2023 17:12

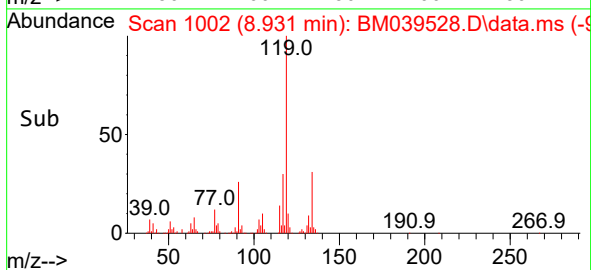
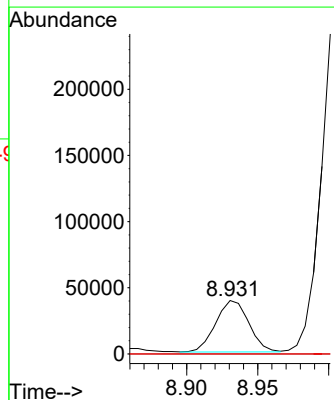
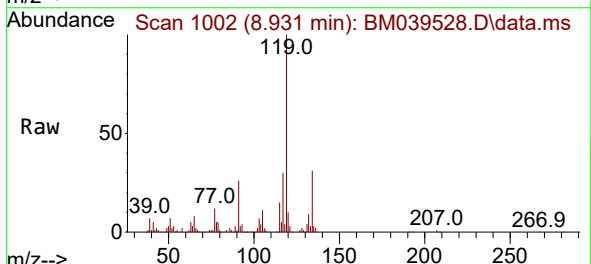
Instrument :
BNA_M
ClientSampleId :
DCBN2

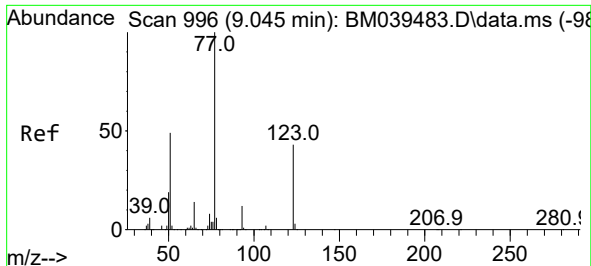
Tgt Ion: 77 Resp: 47476
Ion Ratio Lower Upper
77 100
105 800.2 76.3 114.5#
106 70.7 75.4 113.0#



#19
Hexachloroethane
Concen: 10.788 ng/ul
RT: 8.931 min Scan# 1002
Delta R.T. 0.026 min
Lab File: BM039528.D
Acq: 20 Apr 2023 17:12

Tgt Ion: 117 Resp: 62897
Ion Ratio Lower Upper
117 100
201 0.0 78.3 117.5#
199 0.0 47.4 71.0#

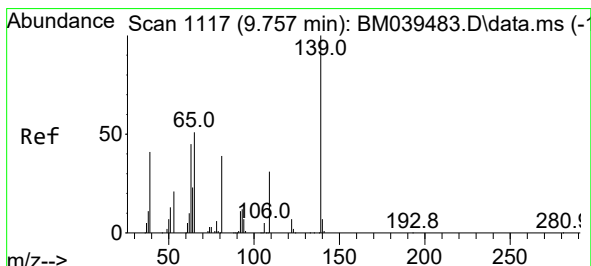
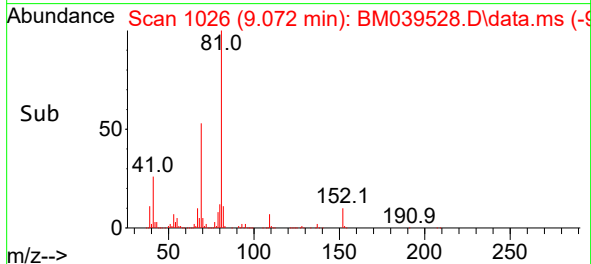
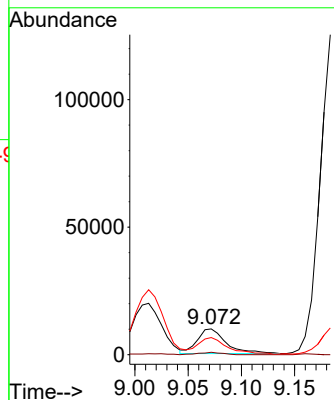
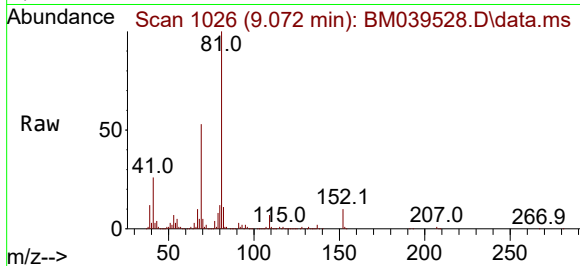




#22
Nitrobenzene
Concen: 5.877 ng/ul
RT: 9.072 min Scan# 1144
Delta R.T. 0.026 min
Lab File: BM039528.D
Acq: 20 Apr 2023 17:12

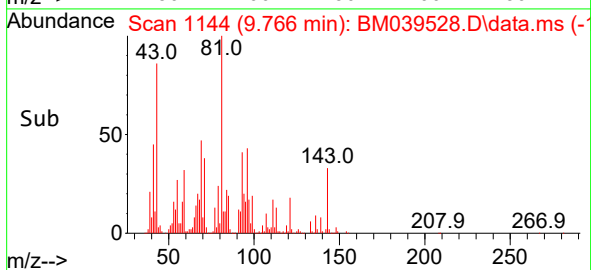
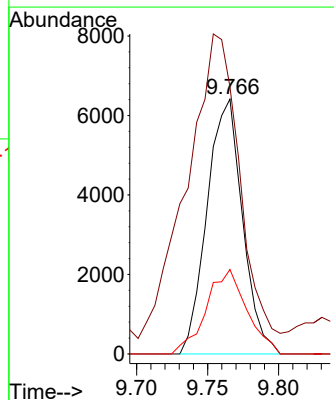
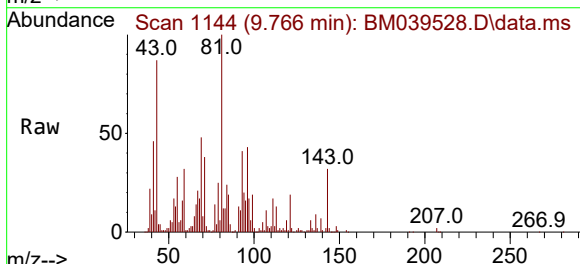
Instrument :
BNA_M
ClientSampleId :
DCBN2

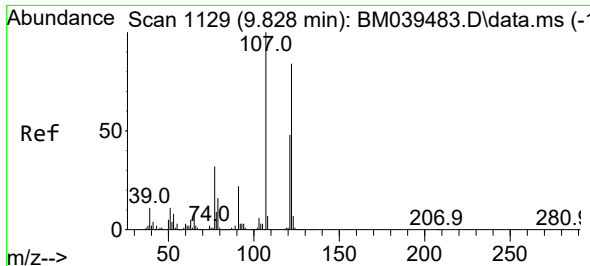
Tgt Ion: 77 Resp: 18255
Ion Ratio Lower Upper
77 100
123 9.2 36.1 54.1#
65 66.4 10.2 15.2#



#25
2-Nitrophenol
Concen: 7.548 ng/ul
RT: 9.766 min Scan# 1144
Delta R.T. 0.009 min
Lab File: BM039528.D
Acq: 20 Apr 2023 17:12

Tgt Ion: 139 Resp: 11126
Ion Ratio Lower Upper
139 100
65 104.7 40.7 61.1#
109 33.2 23.9 35.9

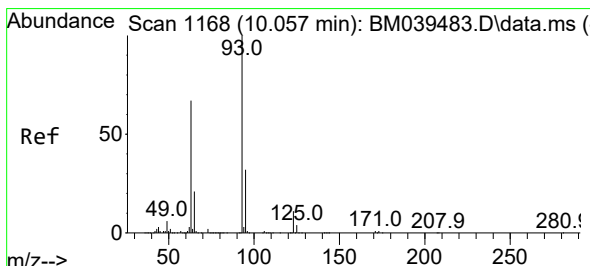
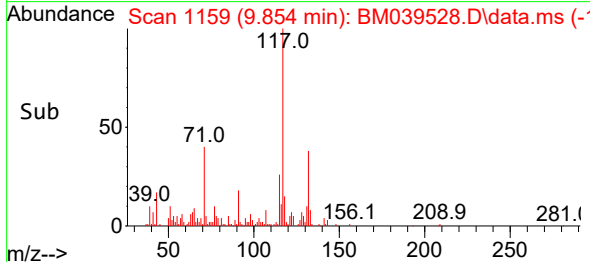
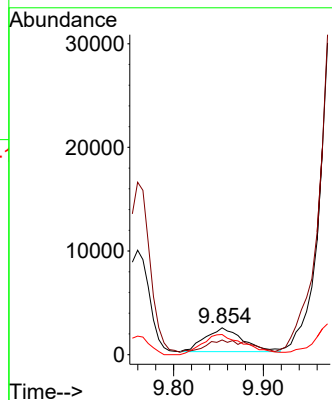
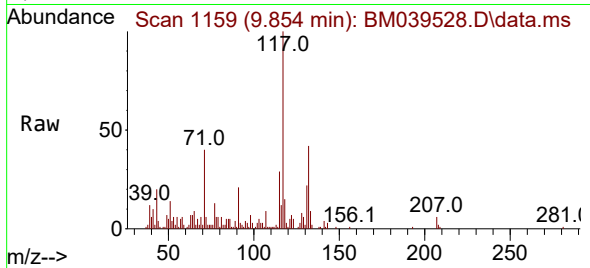




#26
2,4-Dimethylphenol
Concen: 2.258 ng/ul
RT: 9.854 min Scan# 1129
Delta R.T. 0.026 min
Lab File: BM039528.D
Acq: 20 Apr 2023 17:12

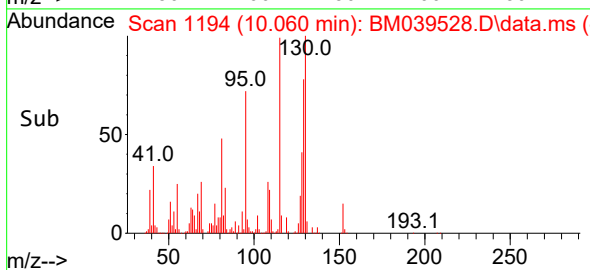
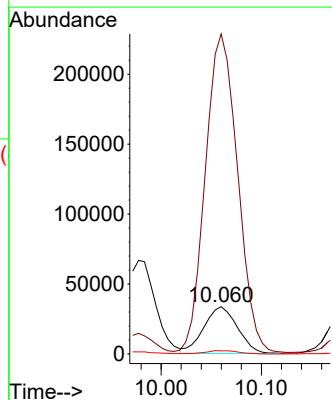
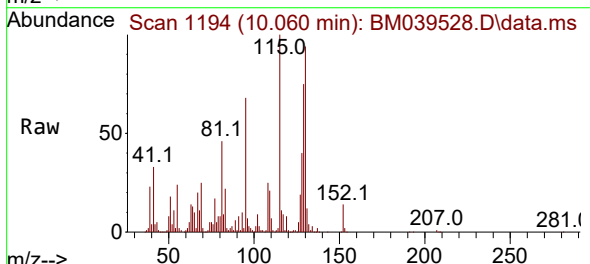
Instrument :
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ClientSampleId :
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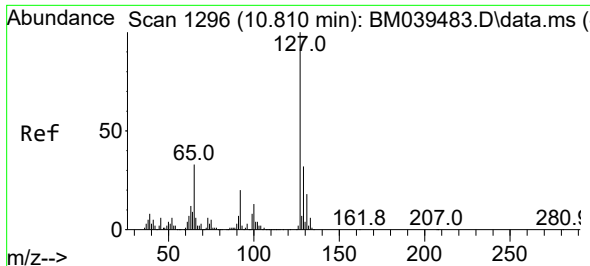
Tgt Ion:107 Resp: 6803
Ion Ratio Lower Upper
107 100
121 54.9 39.1 58.7
122 74.9 68.1 102.1



#27
Bis(2-Chloroethoxy)methane
Concen: 19.946 ng/ul
RT: 10.060 min Scan# 1194
Delta R.T. 0.003 min
Lab File: BM039528.D
Acq: 20 Apr 2023 17:12

Tgt Ion: 93 Resp: 77693
Ion Ratio Lower Upper
93 100
95 676.6 25.8 38.6#
123 6.5 8.8 13.2#

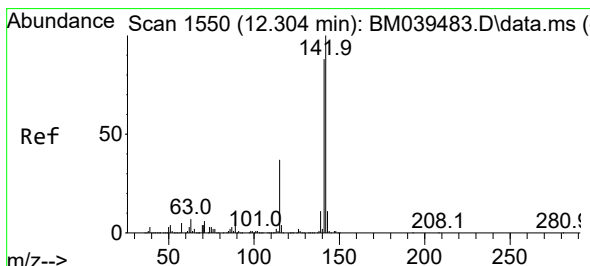
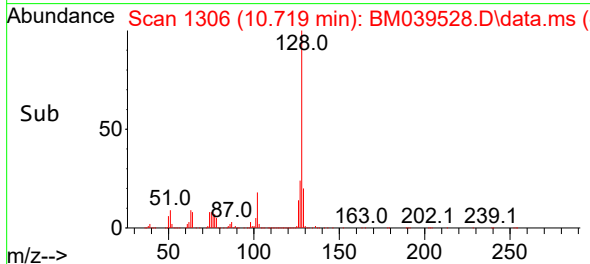
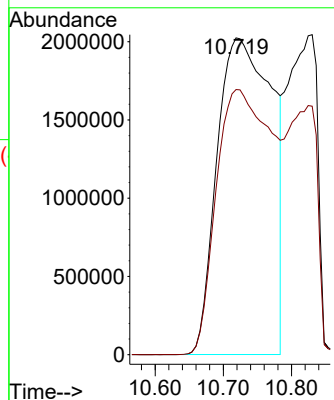
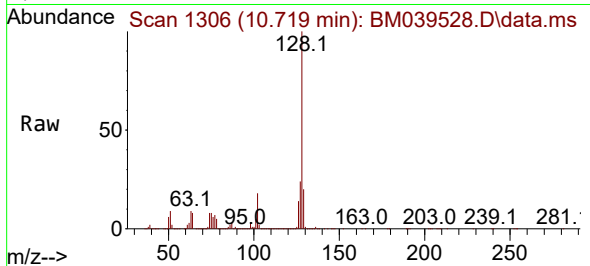




#32
4-Chloroaniline
Concen: 3178.784 ng/ul
RT: 10.719 min Scan# 11
Delta R.T. -0.091 min
Lab File: BM039528.D
Acq: 20 Apr 2023 17:12

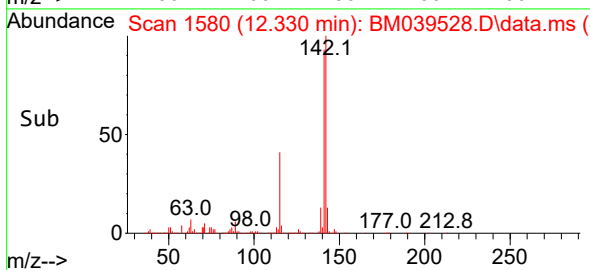
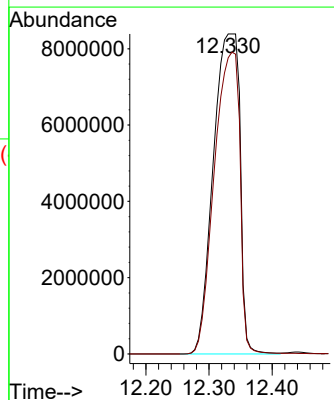
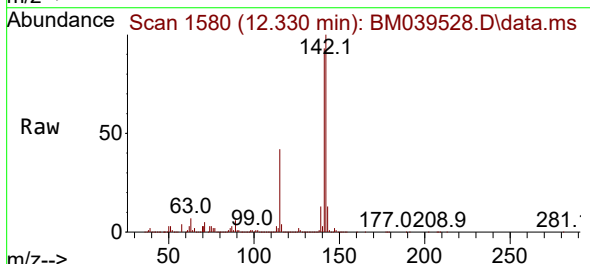
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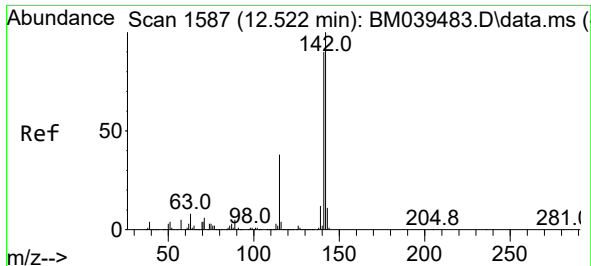
Tgt Ion:127 Resp:11371518
Ion Ratio Lower Upper
127 100
129 83.7 25.8 38.8#



#36
2-Methylnaphthalene
Concen: 4231.016 ng/ul
RT: 12.330 min Scan# 1580
Delta R.T. 0.026 min
Lab File: BM039528.D
Acq: 20 Apr 2023 17:12

Tgt Ion:142 Resp:24541385
Ion Ratio Lower Upper
142 100
141 92.6 71.1 106.7





#37

1-Methylnaphthalene

Concen: 2592.359 ng/ul

RT: 12.548 min Scan# 1

Delta R.T. 0.026 min

Lab File: BM039528.D

Acq: 20 Apr 2023 17:12

Instrument :

BNA_M

ClientSampleId :

DCBN2

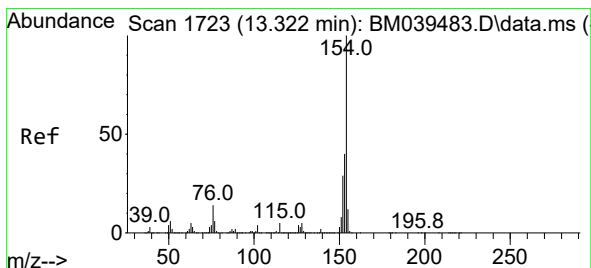
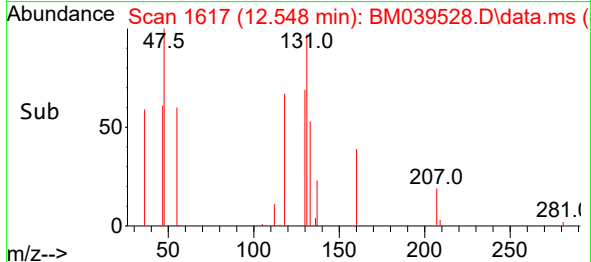
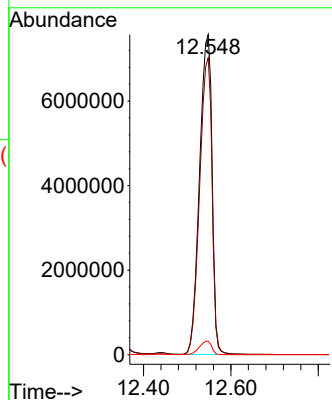
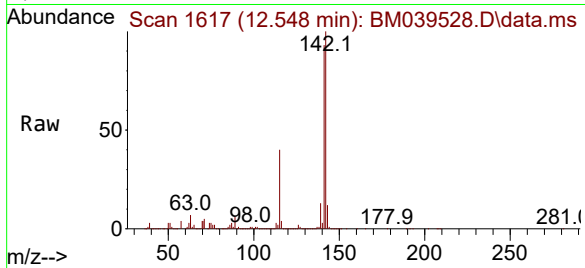
Tgt Ion:142 Resp:15110534

Ion Ratio Lower Upper

142 100

141 92.8 72.0 108.0

116 4.2 3.2 4.8



#43

1,1'-Biphenyl

Concen: 151.774 ng/ul

RT: 13.318 min Scan# 1748

Delta R.T. -0.003 min

Lab File: BM039528.D

Acq: 20 Apr 2023 17:12

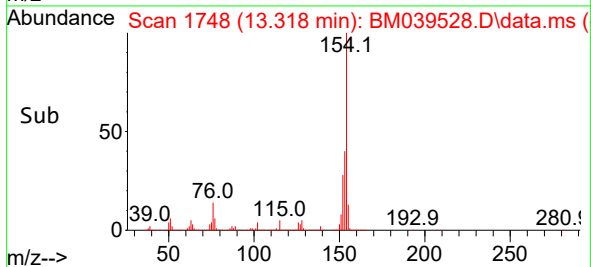
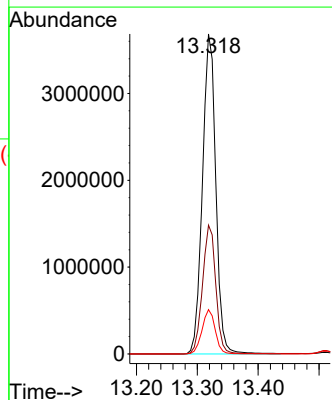
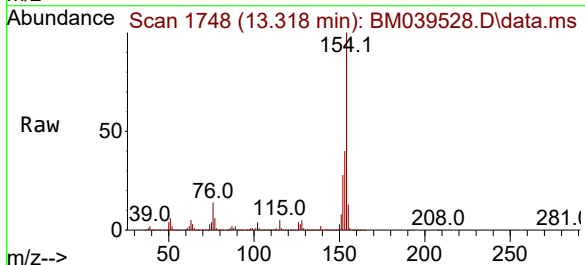
Tgt Ion:154 Resp: 5630163

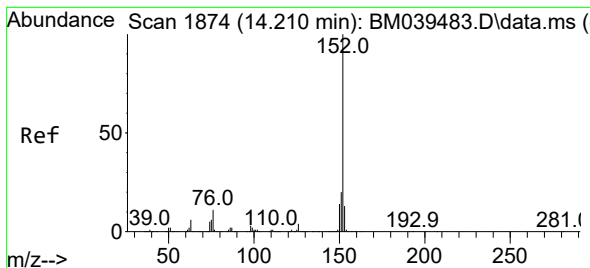
Ion Ratio Lower Upper

154 100

153 40.3 31.9 47.9

76 13.9 11.5 17.3

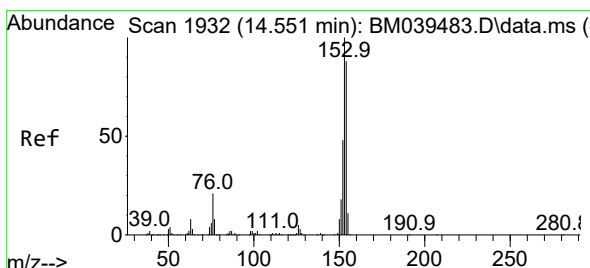
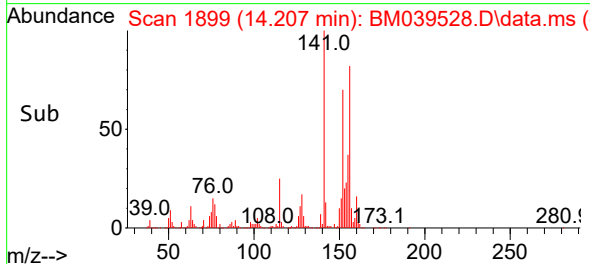
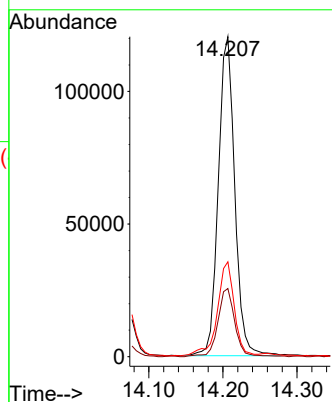
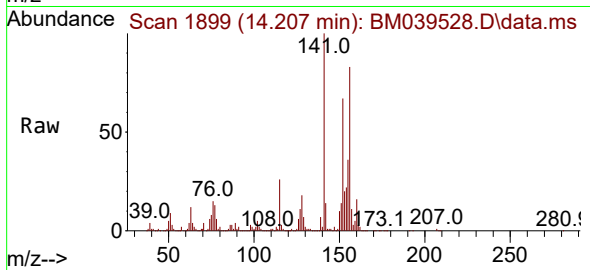




#50
Acenaphthylene
Concen: 3.990 ng/ul
RT: 14.207 min Scan# 1899
Delta R.T. -0.003 min
Lab File: BM039528.D
Acq: 20 Apr 2023 17:12

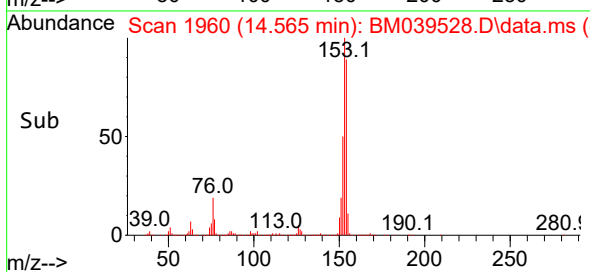
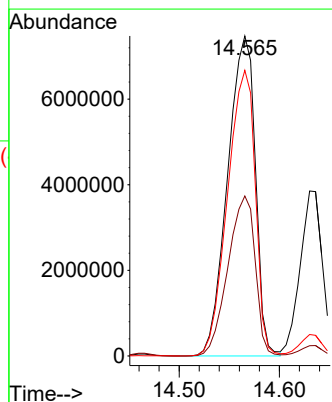
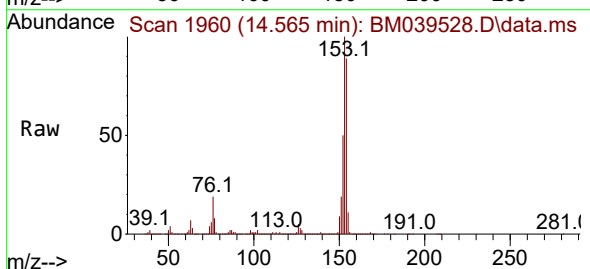
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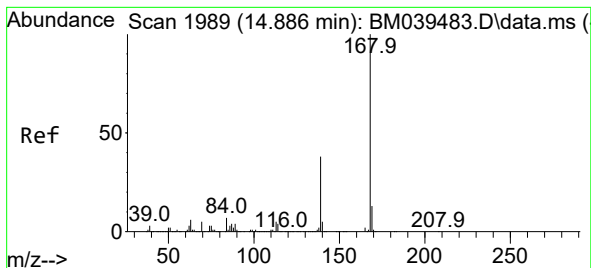
Tgt Ion:152 Resp: 185606
Ion Ratio Lower Upper
152 100
151 21.3 15.8 23.8
153 29.6 10.4 15.6#



#52
Acenaphthene
Concen: 449.290 ng/ul
RT: 14.565 min Scan# 1960
Delta R.T. 0.015 min
Lab File: BM039528.D
Acq: 20 Apr 2023 17:12

Tgt Ion:153 Resp:14390415
Ion Ratio Lower Upper
153 100
152 50.0 38.2 57.4
154 89.3 71.0 106.4





#56

Dibenzenofuran

Concen: 307.750 ng/ul

RT: 14.895 min Scan# 2016

Delta R.T. 0.009 min

Lab File: BM039528.D

Acq: 20 Apr 2023 17:12

Instrument :

BNA_M

ClientSampleId :

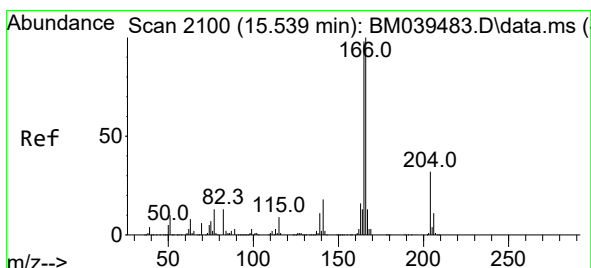
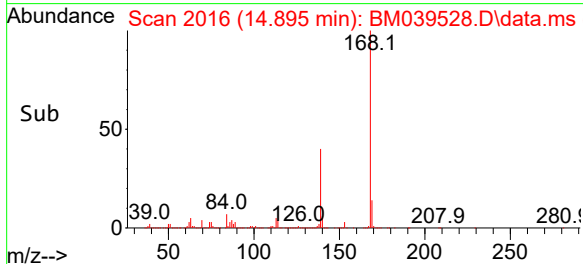
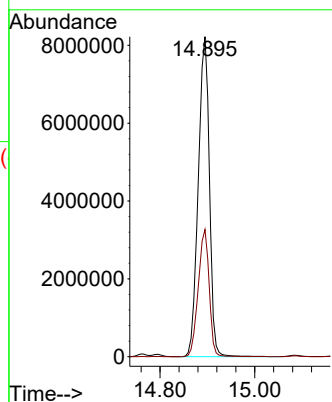
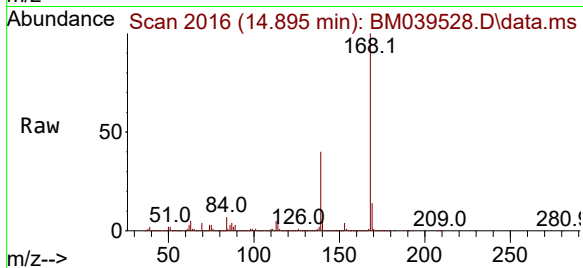
DCBN2

Tgt Ion:168 Resp:13397728

Ion Ratio Lower Upper

168 100

139 39.7 30.7 46.1



#61

Fluorene

Concen: 152.325 ng/ul

RT: 15.542 min Scan# 2126

Delta R.T. 0.003 min

Lab File: BM039528.D

Acq: 20 Apr 2023 17:12

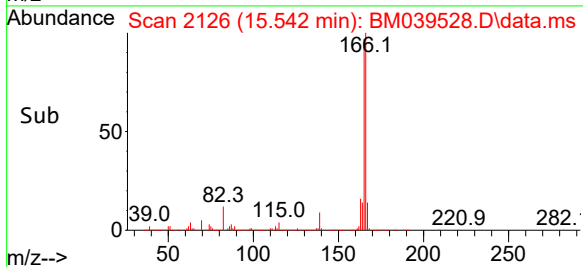
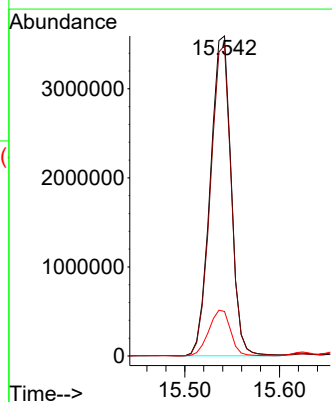
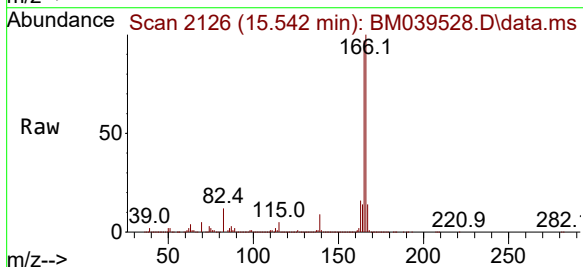
Tgt Ion:166 Resp: 5485564

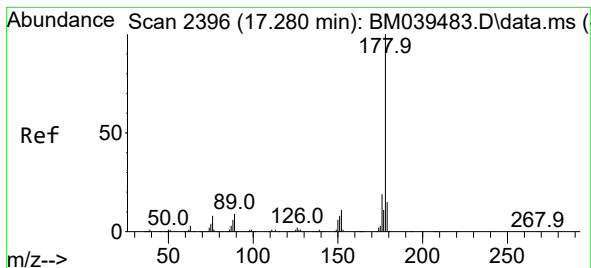
Ion Ratio Lower Upper

166 100

165 97.1 78.2 117.2

167 13.9 10.7 16.1





#72

Phenanthrene

Concen: 128.656 ng/ul

RT: 17.277 min Scan# 2421

Delta R.T. -0.003 min

Lab File: BM039528.D

Acq: 20 Apr 2023 17:12

Instrument :

BNA_M

ClientSampleId :

DCBN2

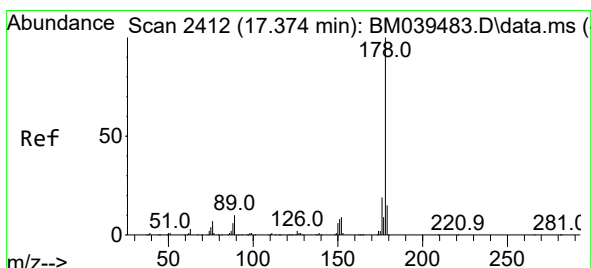
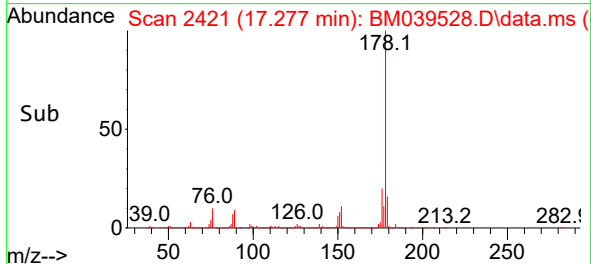
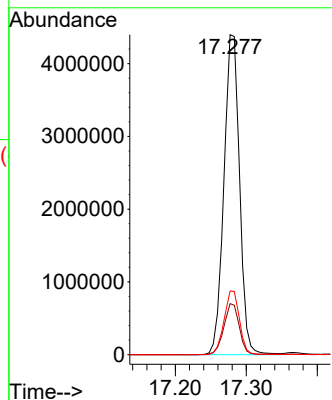
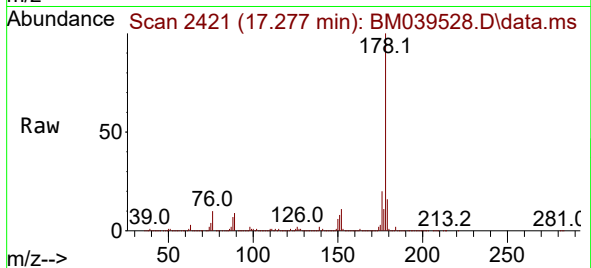
Tgt Ion:178 Resp: 6700312

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

176 19.9 15.8 23.8



#74

Anthracene

Concen: 128.246 ng/ul

RT: 17.277 min Scan# 2421

Delta R.T. -0.097 min

Lab File: BM039528.D

Acq: 20 Apr 2023 17:12

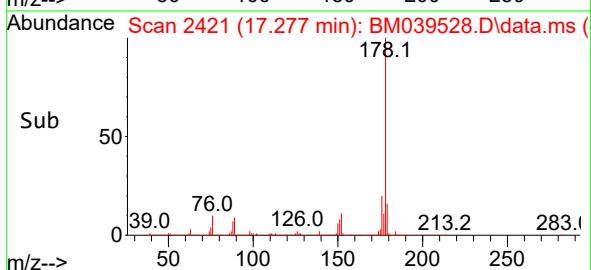
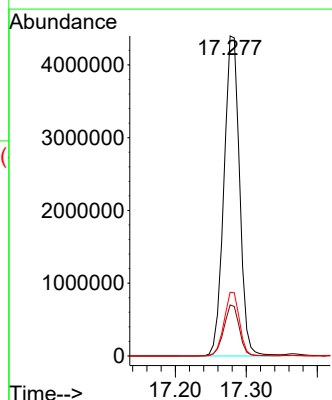
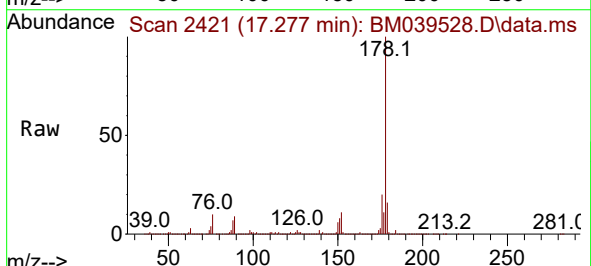
Tgt Ion:178 Resp: 6700312

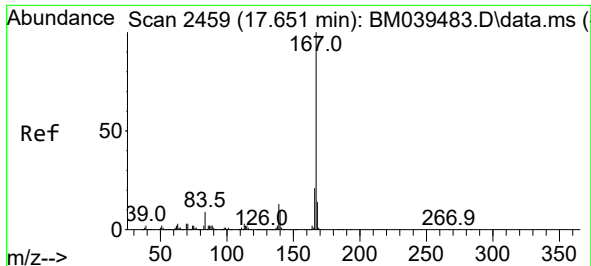
Ion Ratio Lower Upper

178 100

179 15.9 12.1 18.1

176 19.9 15.0 22.6

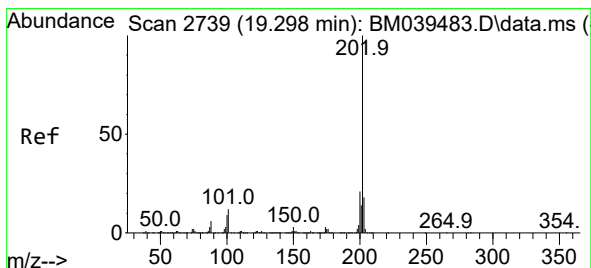
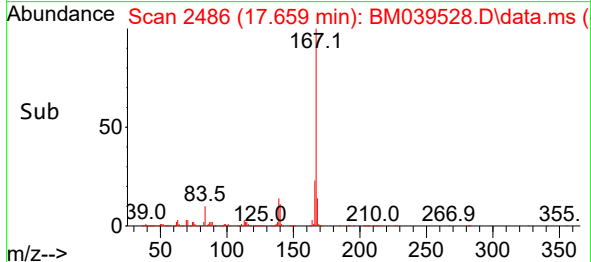
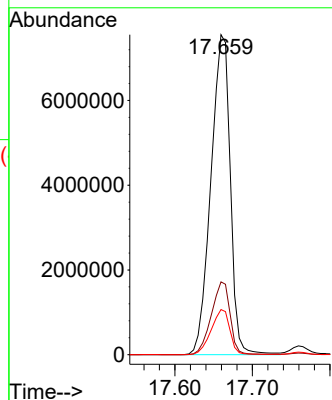
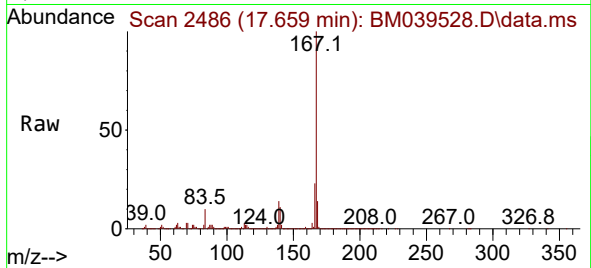




#77
 Carbazole
 Concen: 282.473 ng/ul
 RT: 17.659 min Scan# 2459
 Delta R.T. 0.009 min
 Lab File: BM039528.D
 Acq: 20 Apr 2023 17:12

Instrument :
 BNA_M
 ClientSampleId :
 DCBN2

Tgt Ion:167 Resp:13114137
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.0 25.4
 139 14.1 10.6 15.8



#80
 Fluoranthene
 Concen: 1.538 ng/ul
 RT: 19.295 min Scan# 2764
 Delta R.T. -0.003 min
 Lab File: BM039528.D
 Acq: 20 Apr 2023 17:12

Tgt Ion:202 Resp: 93582
 Ion Ratio Lower Upper
 202 100
 101 12.9 10.4 15.6
 100 10.4 7.7 11.5

