

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
 Data File : BM039169.D
 Acq On : 27 Mar 2023 20:31
 Operator : CG/JU
 Sample : 01998-07DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 10TH-ST-SUBSTATION-TP2DL

Quant Time: Mar 28 01:52:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 28 01:46:09 2023
 Response via : Initial Calibration

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

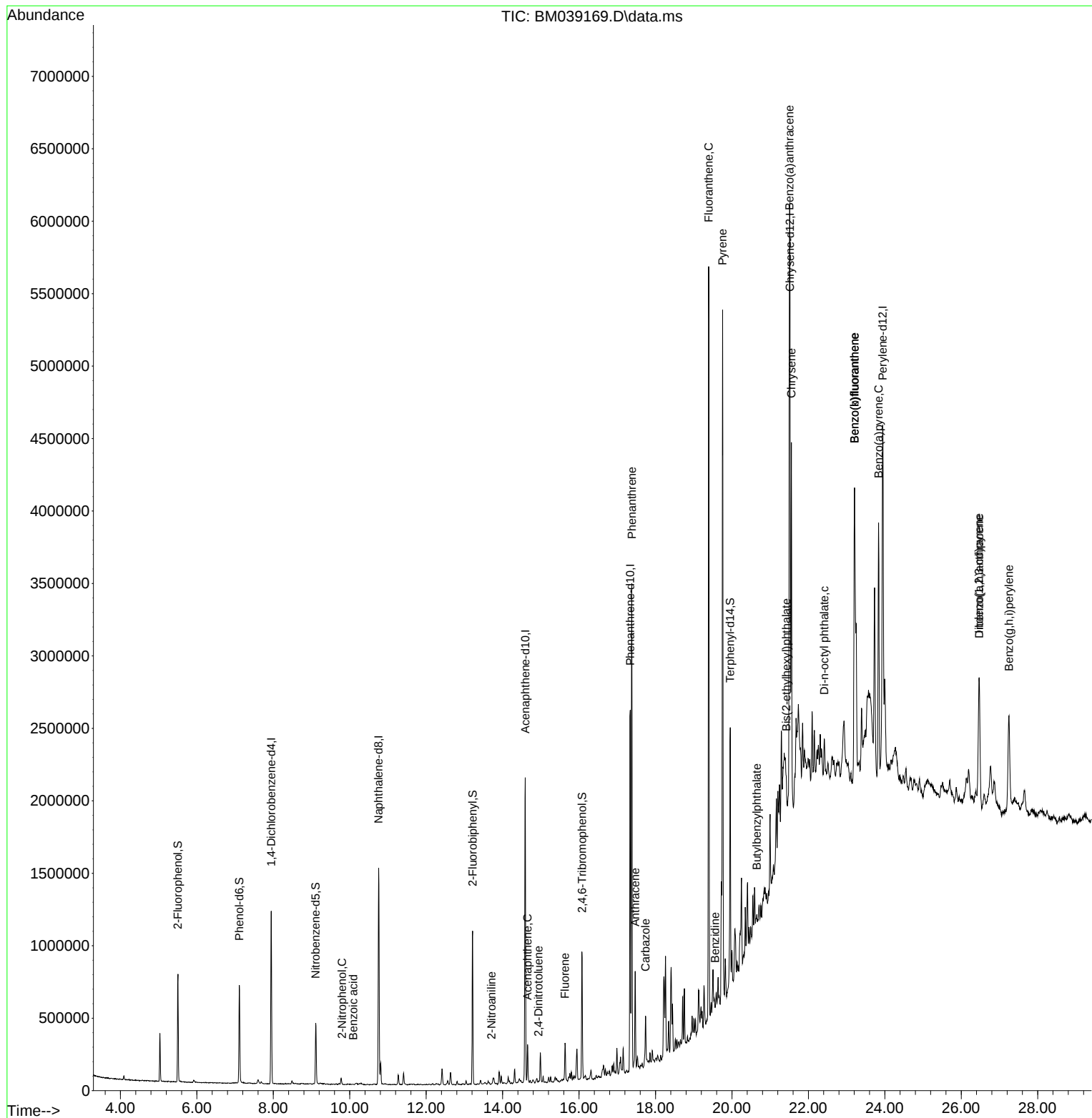
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	309758	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	1224046	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	706447	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1473708	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1428839	20.000	ng	0.00
86) Perylene-d12	23.944	264	1624251	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	323814	15.882	ng	0.00
7) Phenol-d6	7.110	99	406264	15.341	ng	0.00
23) Nitrobenzene-d5	9.110	82	245107	9.836	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	133340	16.316	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	529895	9.765	ng	0.00
79) Terphenyl-d14	19.956	244	833502	10.665	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.798	139	53	2.995	ng	# 1
32) Benzoic acid	10.092	122	185	5.744	ng	# 1
48) 2-Nitroaniline	13.710	65	265	2.233	ng	# 34
52) Acenaphthene	14.651	154	90860	2.057	ng	98
57) 2,4-Dinitrotoluene	14.939	165	382	2.094	ng	# 62
58) Fluorene	15.633	166	113620	2.098	ng	98
71) Phenanthrene	17.380	178	1924021	22.245	ng	100
72) Anthracene	17.468	178	398820	4.624	ng	99
73) Carbazole	17.739	167	210790	2.678	ng	99
75) Fluoranthene	19.392	202	2943087	32.227	ng	98
77) Benzidine	19.556	184	169	4.881	ng	# 1
78) Pyrene	19.756	202	2741471	25.545	ng	99
80) Butylbenzylphthalate	20.650	149	20292	3.730	ng	# 87
81) Benzo(a)anthracene	21.503	228	1559611	15.157	ng	99
83) Chrysene	21.556	228	1369501	13.684	ng	98
84) Bis(2-ethylhexyl)phtha...	21.421	149	79949	3.634	ng	# 95
85) Di-n-octyl phthalate	22.415	149	6404	3.850	ng	# 16
87) Indeno(1,2,3-cd)pyrene	26.468	276	884355	7.155	ng	96
88) Benzo(b)fluoranthene	23.209	252	1828099	17.617	ng	98
89) Benzo(k)fluoranthene	23.209	252	1828099	16.928	ng	98
90) Benzo(a)pyrene	23.838	252	1321276	13.230	ng	98
91) Dibenzo(a,h)anthracene	26.474	278	244611	2.337	ng	# 86
92) Benzo(g,h,i)perylene	27.250	276	850417	8.305	ng	100

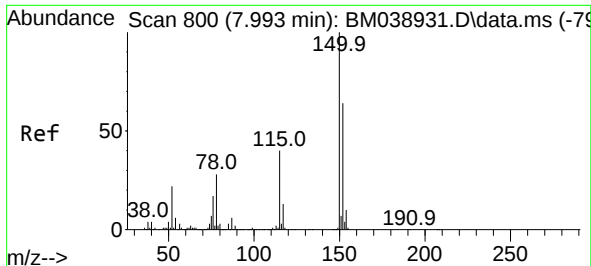
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039169.D
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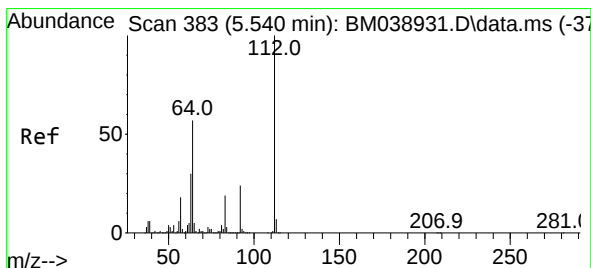
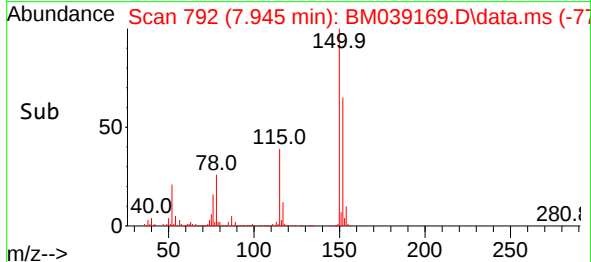
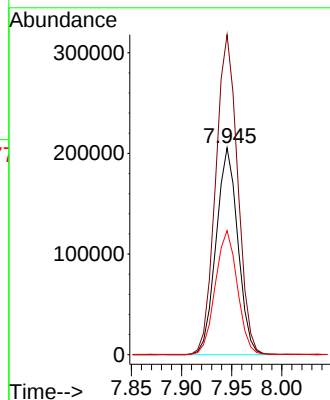
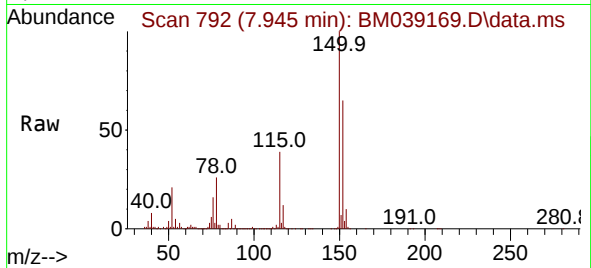




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.945 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

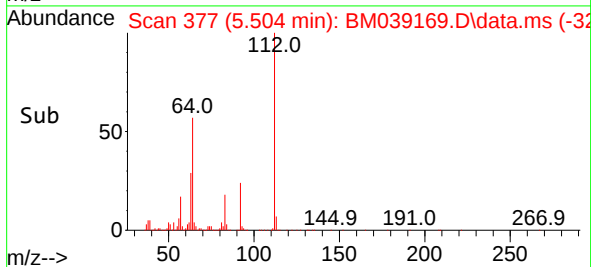
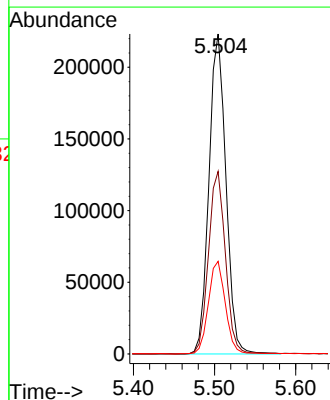
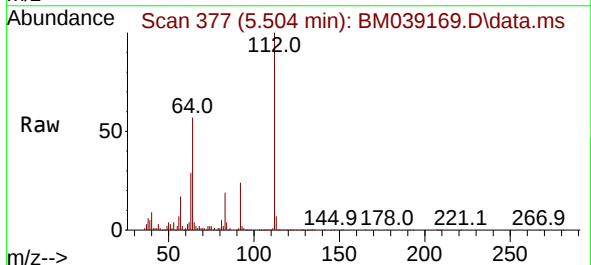
Instrument :
BNA_M
ClientSampleId :
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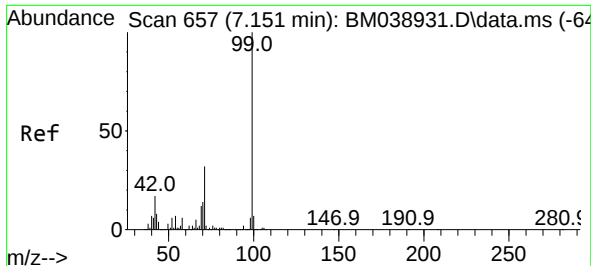
Tgt Ion:152 Resp: 309758
Ion Ratio Lower Upper
152 100
150 154.6 125.1 187.7
115 59.9 49.6 74.4



#5
2-Fluorophenol
Concen: 15.882 ng
RT: 5.504 min Scan# 377
Delta R.T. 0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:112 Resp: 323814
Ion Ratio Lower Upper
112 100
64 57.1 45.9 68.9
63 28.9 23.8 35.8

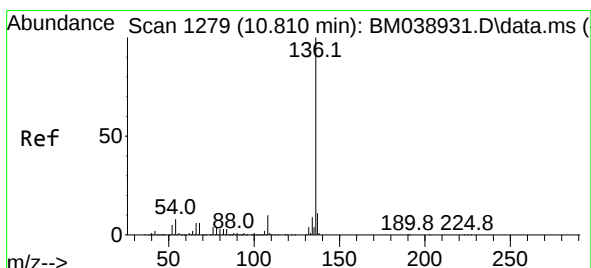
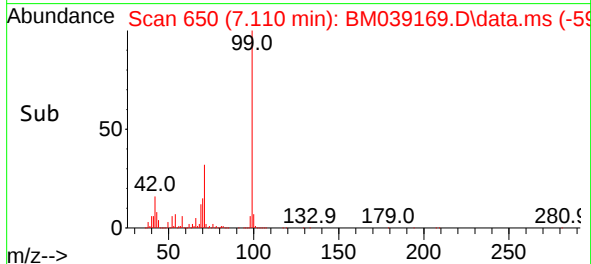
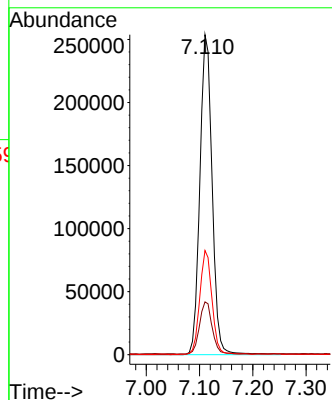
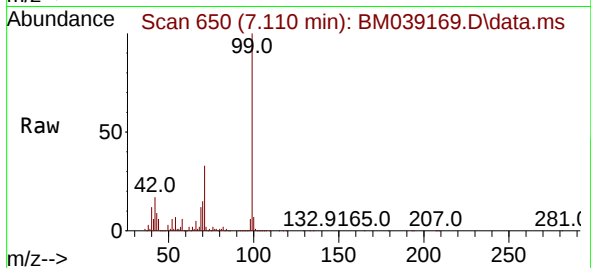




#7
Phenol-d6
Concen: 15.341 ng
RT: 7.110 min Scan# 610
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

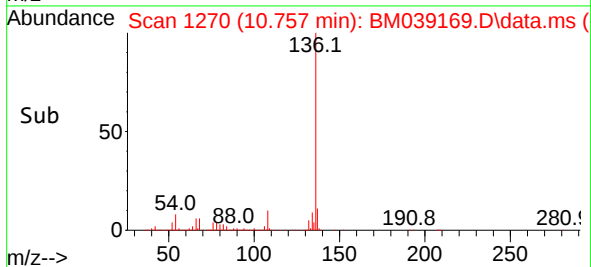
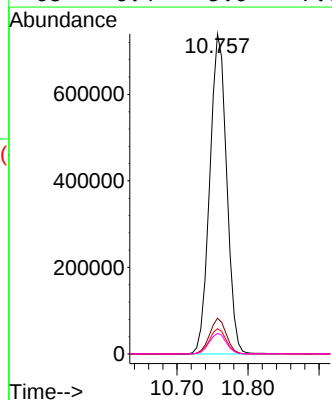
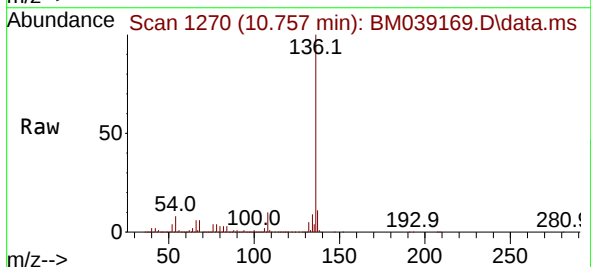
Instrument :
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ClientSampleId :
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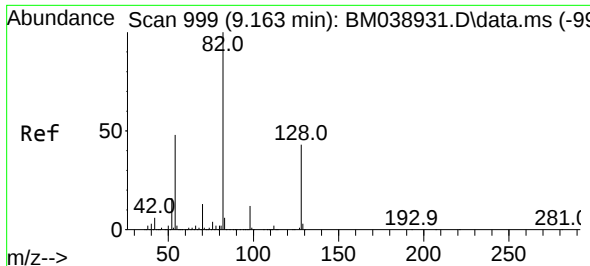
Tgt Ion: 99 Resp: 406264
Ion Ratio Lower Upper
99 100
42 16.5 13.5 20.3
71 32.6 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion: 136 Resp: 1224046
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.9 6.3 9.5
68 6.4 5.0 7.6

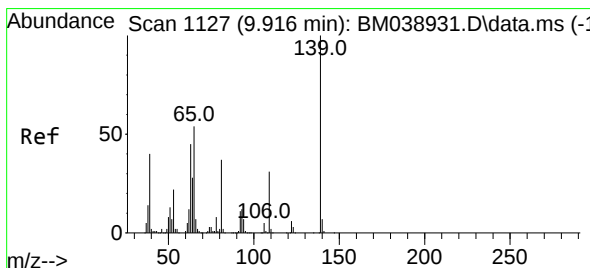
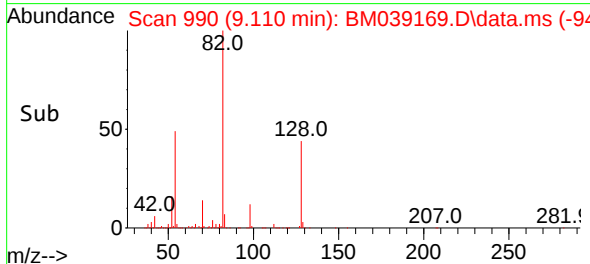
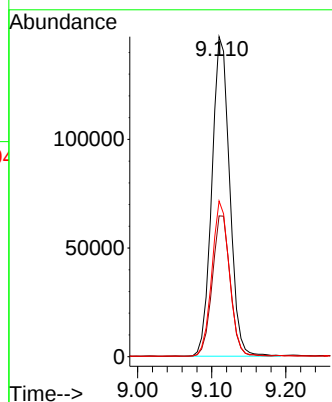
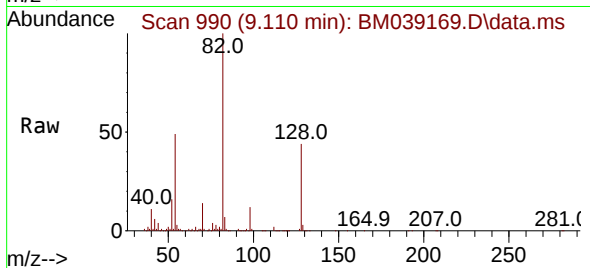




#23
Nitrobenzene-d5
Concen: 9.836 ng
RT: 9.110 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

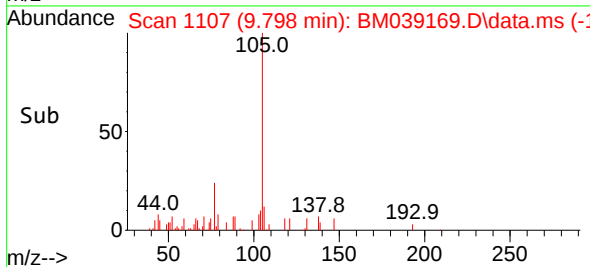
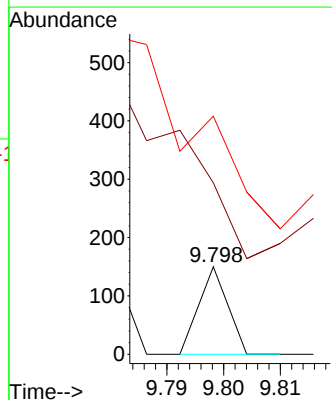
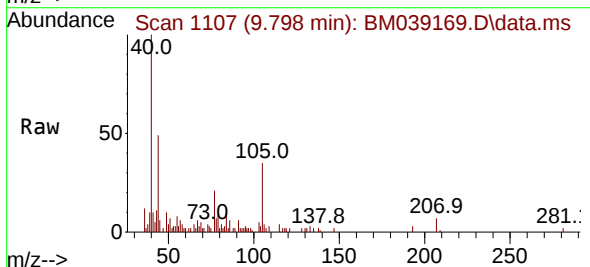
Instrument :
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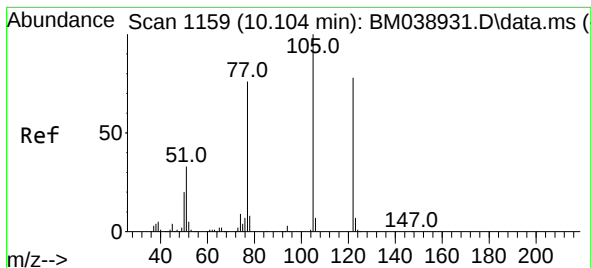
Tgt Ion: 82 Resp: 245107
Ion Ratio Lower Upper
82 100
128 44.0 34.4 51.6
54 48.6 38.8 58.2



#26
2-Nitrophenol
Concen: 2.995 ng
RT: 9.798 min Scan# 1107
Delta R.T. -0.071 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:139 Resp: 53
Ion Ratio Lower Upper
139 100
109 196.0 24.5 36.7#
65 272.0 43.0 64.6#

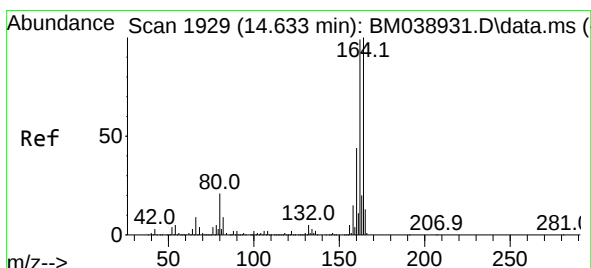
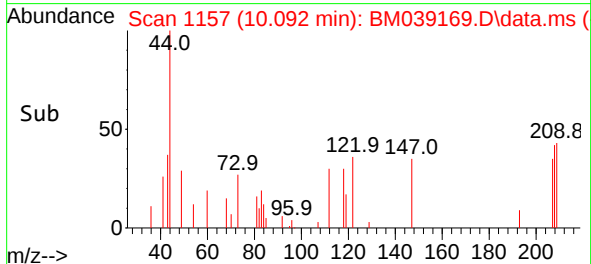
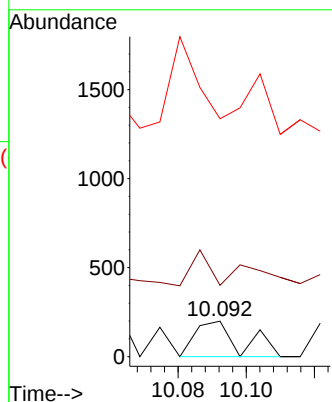
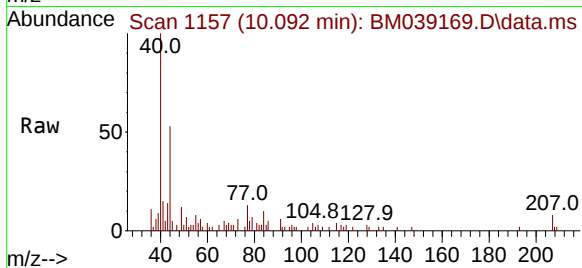




#32
Benzoic acid
Concen: 5.744 ng
RT: 10.092 min Scan# 1157
Delta R.T. 0.018 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

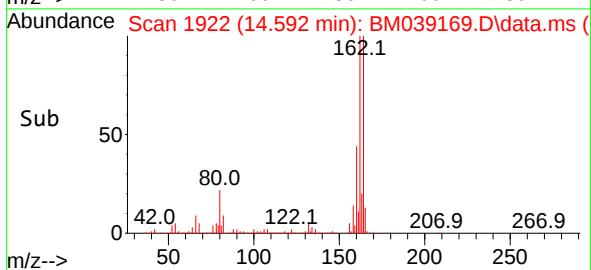
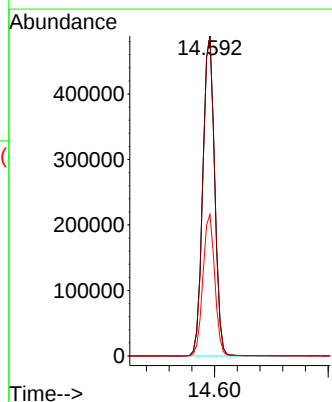
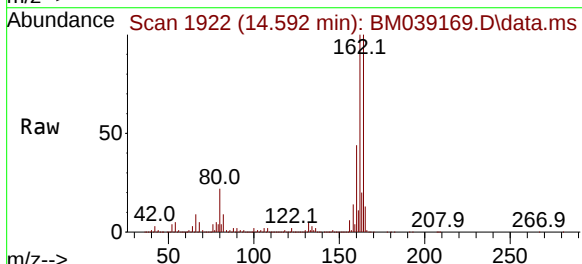
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ClientSampleId :
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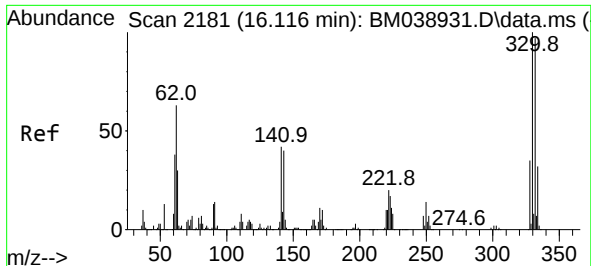
Tgt Ion:122 Resp: 185
Ion Ratio Lower Upper
122 100
105 201.5 104.2 144.2#
77 671.4 75.1 115.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:164 Resp: 706447
Ion Ratio Lower Upper
164 100
162 99.9 79.2 118.8
160 44.2 35.5 53.3

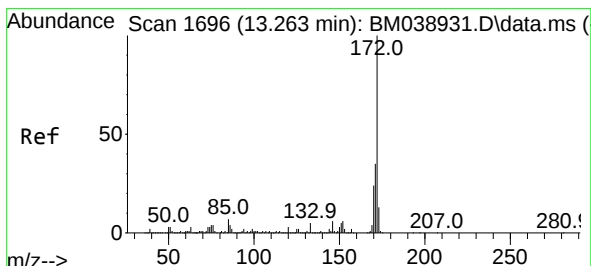
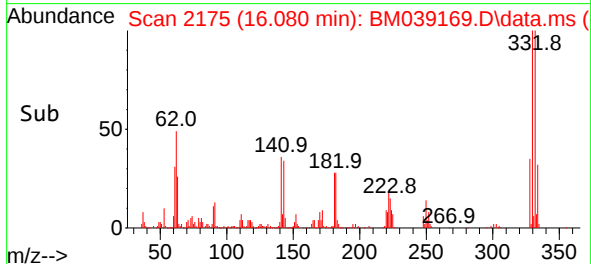
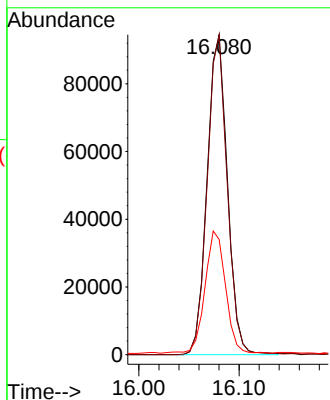
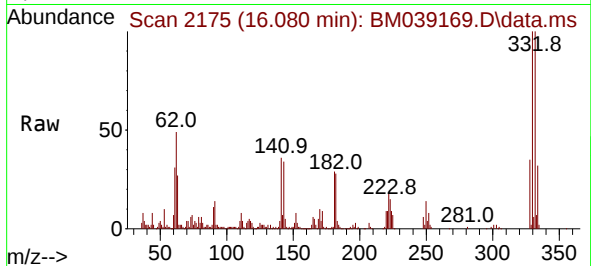




#42
2,4,6-Tribromophenol
Concen: 16.316 ng
RT: 16.080 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

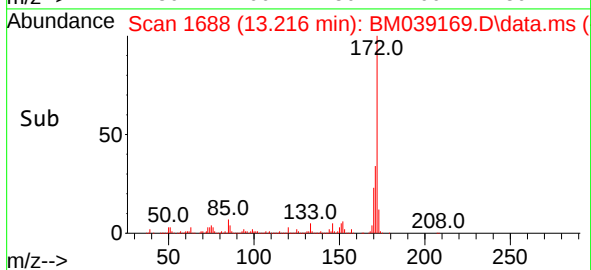
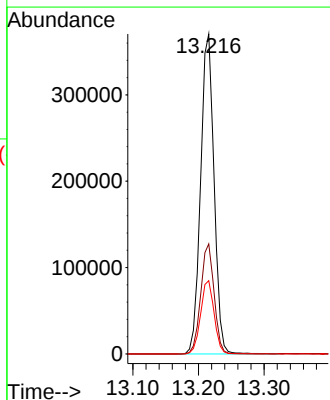
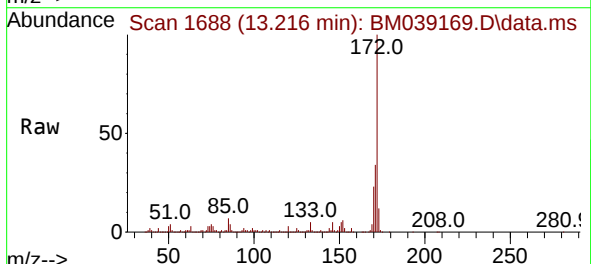
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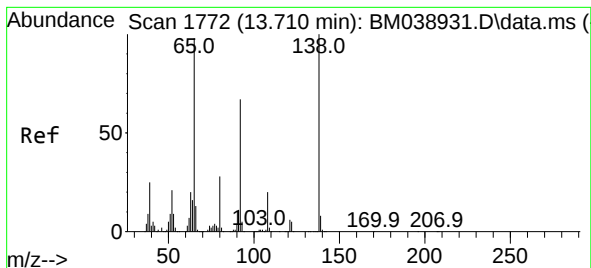
Tgt Ion:330 Resp: 133340
Ion Ratio Lower Upper
330 100
332 98.6 77.4 116.0
141 38.7 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 9.765 ng
RT: 13.216 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:172 Resp: 529895
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 22.9 19.1 28.7





#48

2-Nitroaniline

Concen: 2.233 ng

RT: 13.710 min Scan# 1

Delta R.T. 0.035 min

Lab File: BM039169.D

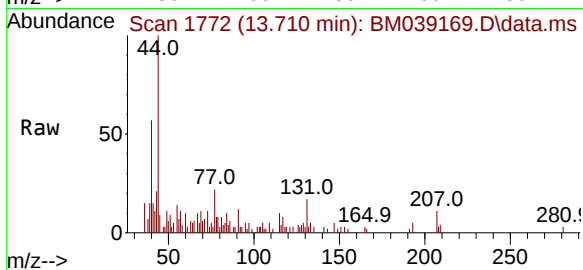
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Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP2DL



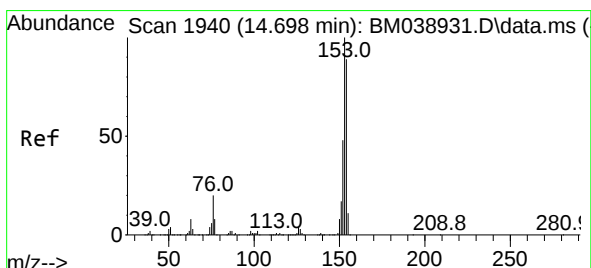
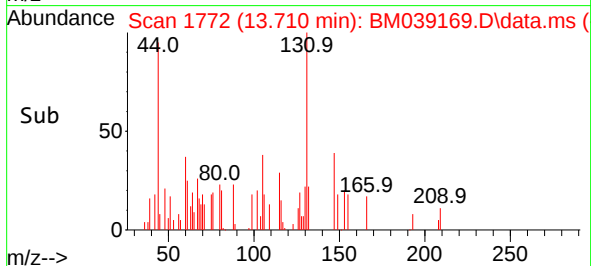
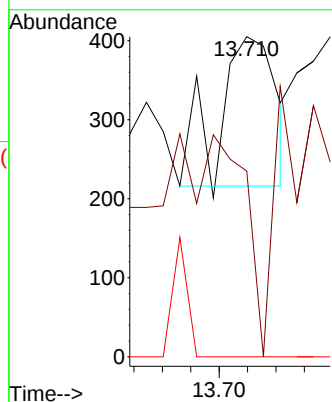
Tgt Ion: 65 Resp: 265

Ion Ratio Lower Upper

65 100

92 58.0 54.9 82.3

138 0.0 81.6 122.4#



#52

Acenaphthene

Concen: 2.057 ng

RT: 14.651 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BM039169.D

Acq: 27 Mar 2023 20:31

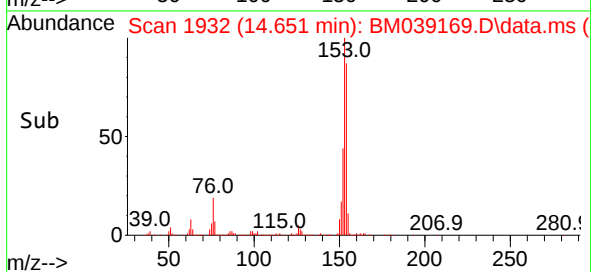
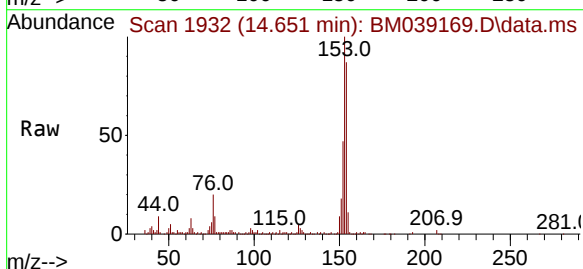
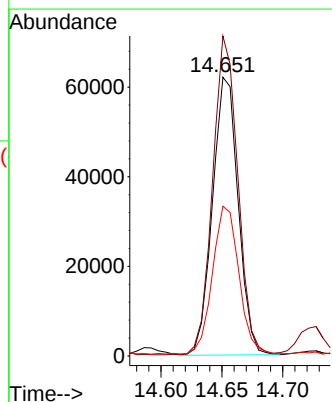
Tgt Ion:154 Resp: 90860

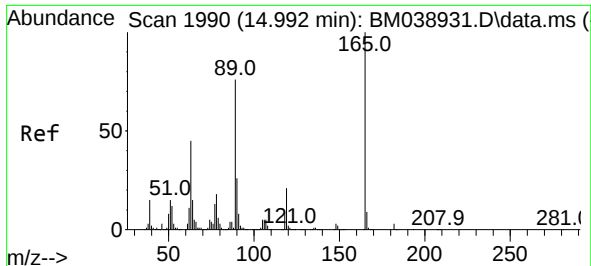
Ion Ratio Lower Upper

154 100

153 114.8 90.2 135.2

152 53.7 43.4 65.2

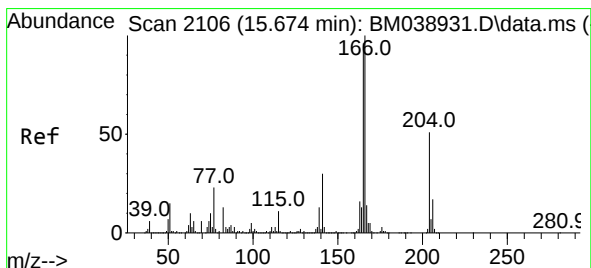
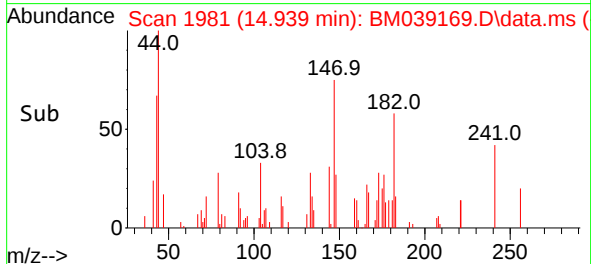
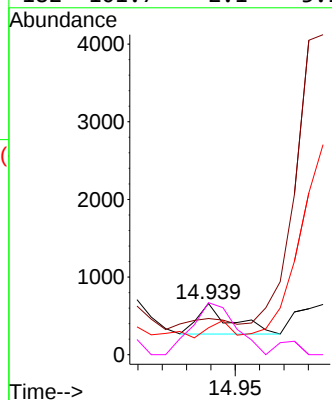
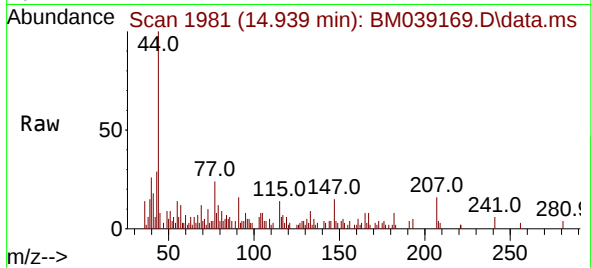




#57
2,4-Dinitrotoluene
Concen: 2.094 ng
RT: 14.939 min Scan# 1981
Delta R.T. -0.018 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

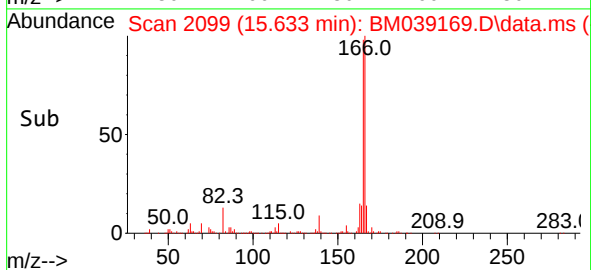
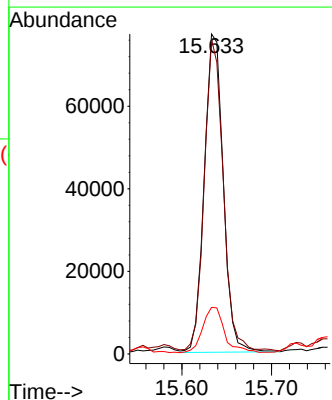
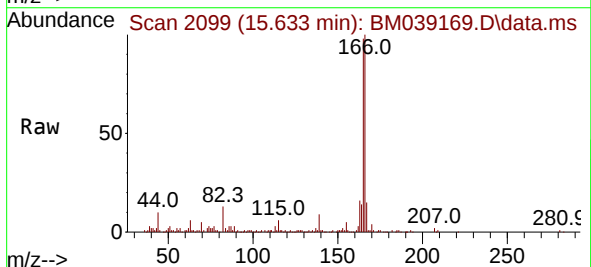
Instrument :
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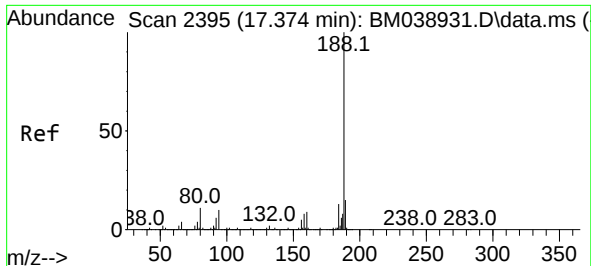
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Ion Ratio Lower Upper
165 100
63 70.7 35.9 53.9#
89 52.4 61.0 91.6#
182 101.7 2.1 3.1#



#58
Fluorene
Concen: 2.098 ng
RT: 15.633 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:166 Resp: 113620
Ion Ratio Lower Upper
166 100
165 98.3 77.1 115.7
167 14.6 10.9 16.3

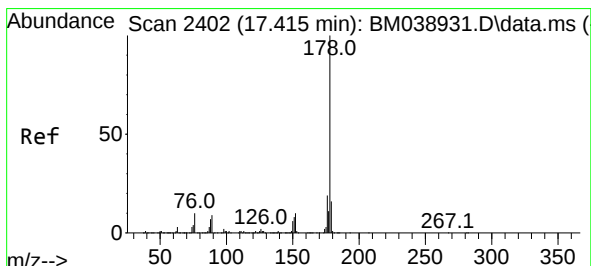
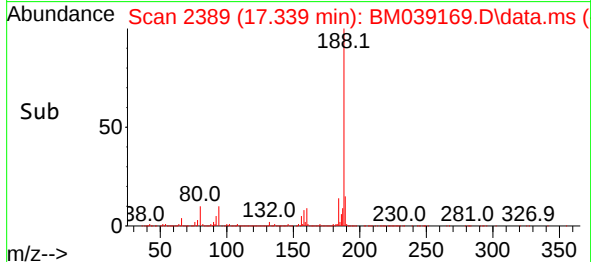
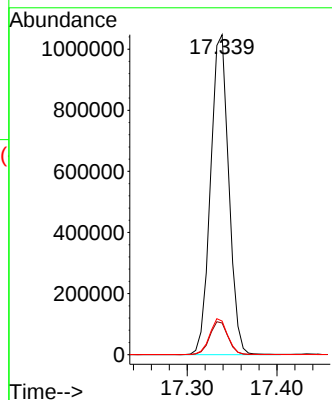
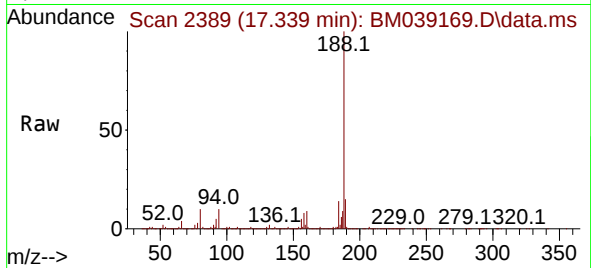




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

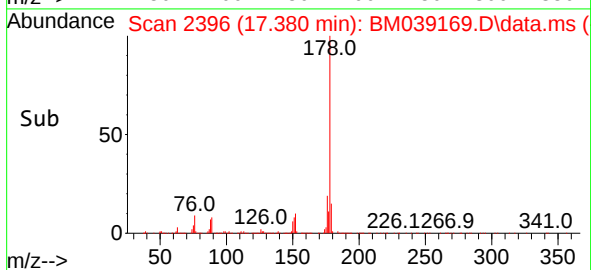
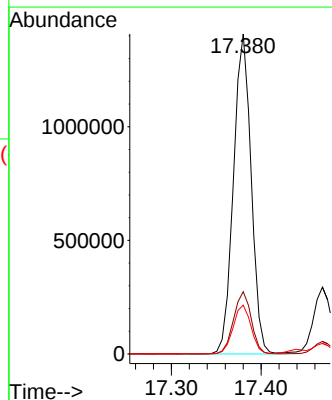
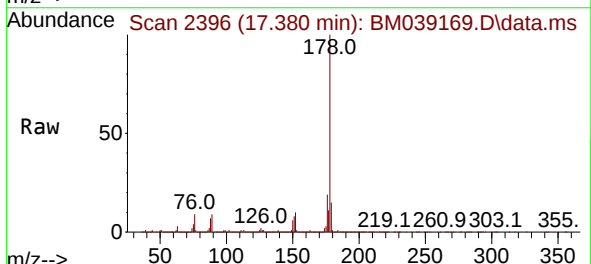
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL

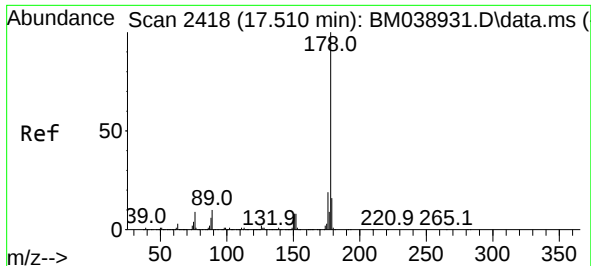
Tgt Ion:188 Resp: 1473708
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.5 8.5 12.7



#71
Phenanthrene
Concen: 22.245 ng
RT: 17.380 min Scan# 2396
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:178 Resp: 1924021
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.3 12.5 18.7

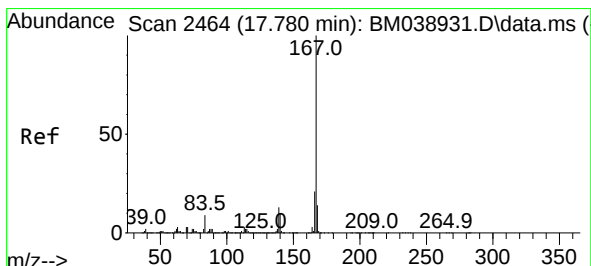
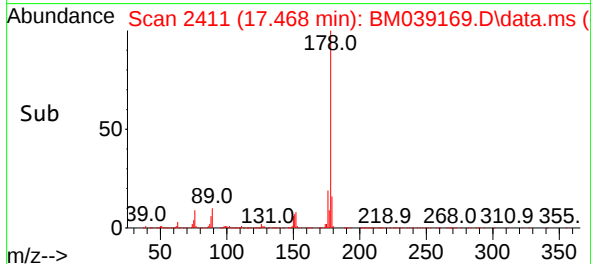
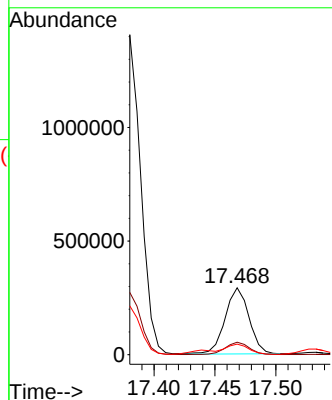
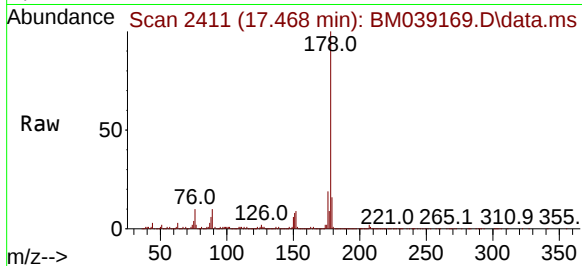




#72
 Anthracene
 Concen: 4.624 ng
 RT: 17.468 min Scan# 2418
 Delta R.T. -0.000 min
 Lab File: BM039169.D
 Acq: 27 Mar 2023 20:31

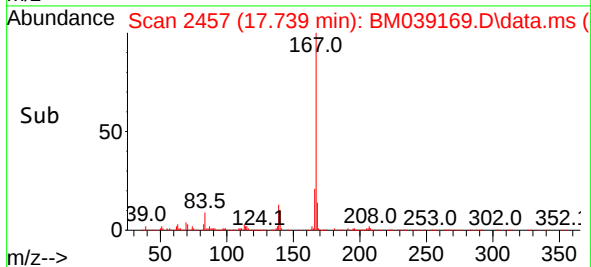
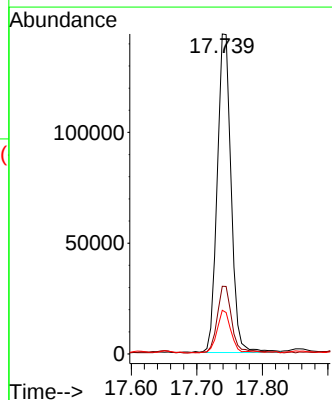
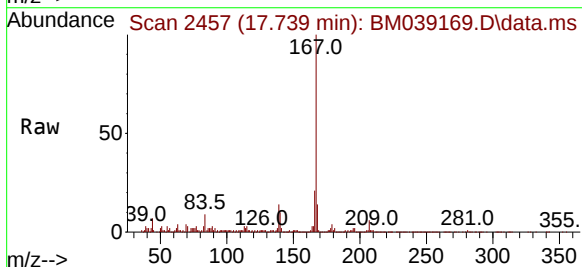
Instrument :
 BNA_M
 ClientSampleId :
 10TH-ST-SUBSTATION-TP2DL

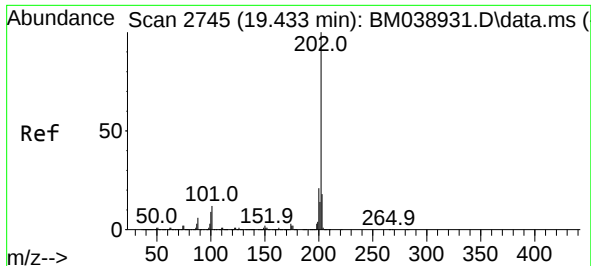
Tgt Ion:178 Resp: 398820
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 15.7 12.5 18.7



#73
 Carbazole
 Concen: 2.678 ng
 RT: 17.739 min Scan# 2457
 Delta R.T. -0.000 min
 Lab File: BM039169.D
 Acq: 27 Mar 2023 20:31

Tgt Ion:167 Resp: 210790
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.4
 139 13.6 10.3 15.5

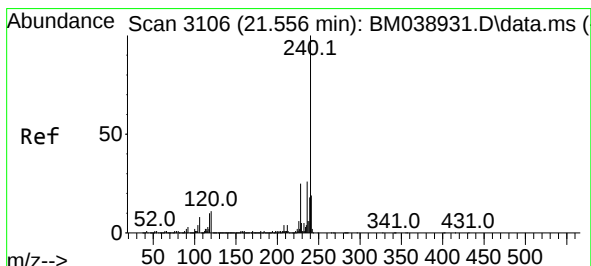
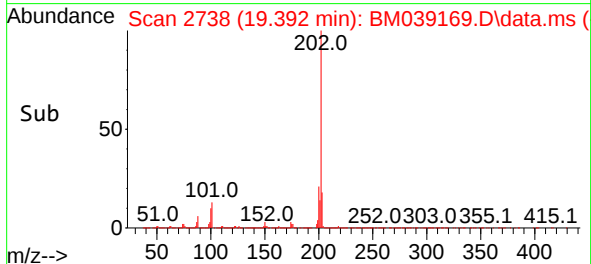
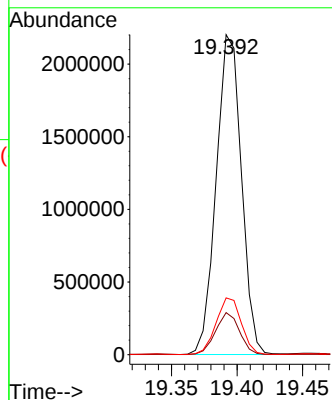
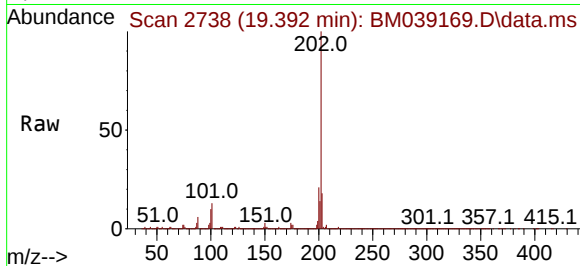




#75
Fluoranthene
Concen: 32.227 ng
RT: 19.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

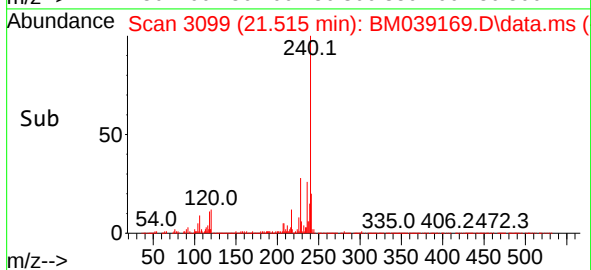
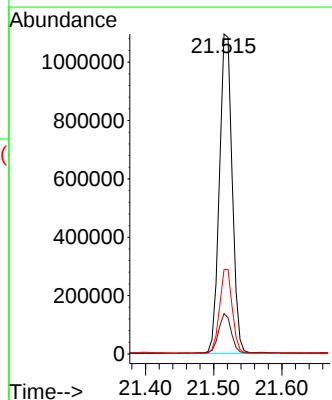
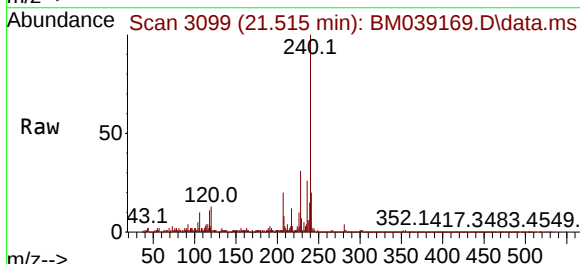
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL

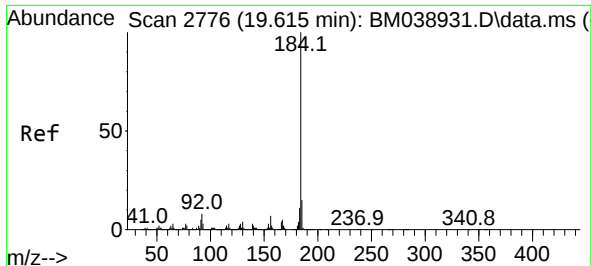
Tgt Ion:202 Resp: 2943087
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.7
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:240 Resp: 1428839
Ion Ratio Lower Upper
240 100
120 12.6 9.2 13.8
236 26.4 20.8 31.2

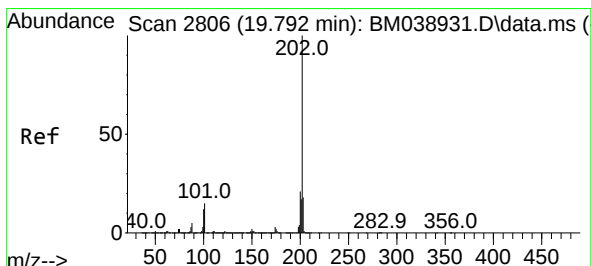
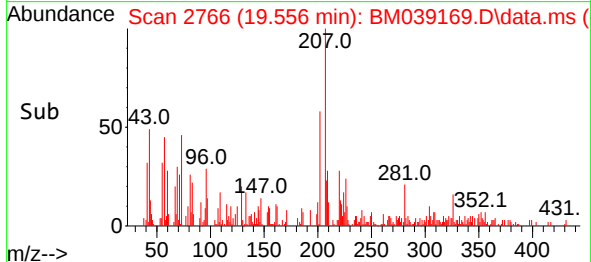
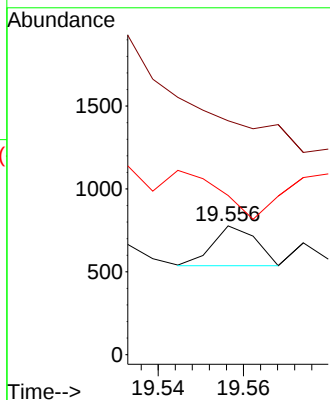
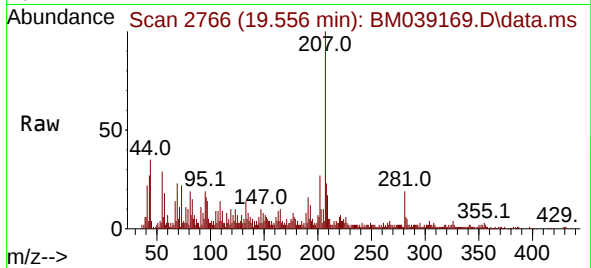




#77
Benzidine
Concen: 4.881 ng
RT: 19.556 min Scan# 21
Delta R.T. -0.024 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

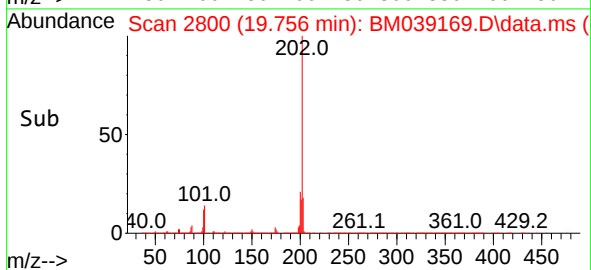
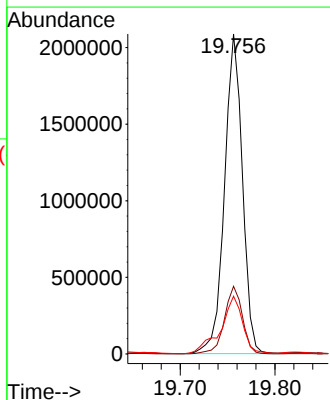
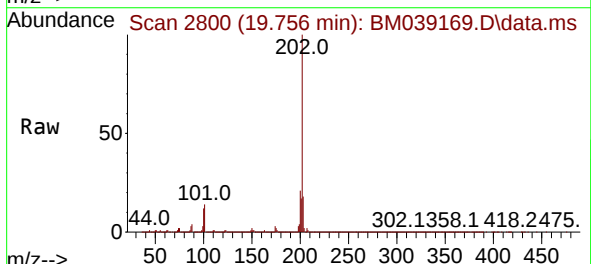
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL

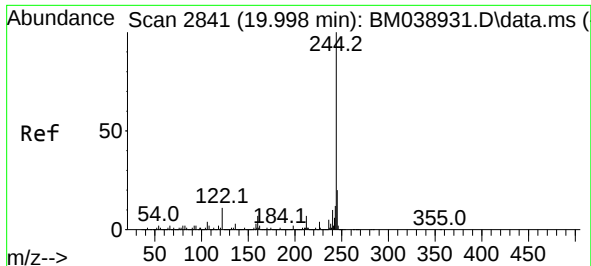
Tgt Ion:184 Resp: 169
Ion Ratio Lower Upper
184 100
185 181.7 12.2 18.4#
183 123.7 8.8 13.2#



#78
Pyrene
Concen: 25.545 ng
RT: 19.756 min Scan# 2800
Delta R.T. -0.000 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:202 Resp: 2741471
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 18.1 14.1 21.1

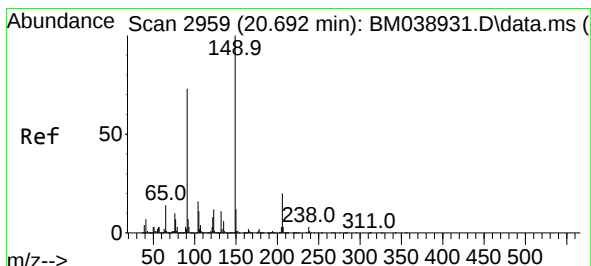
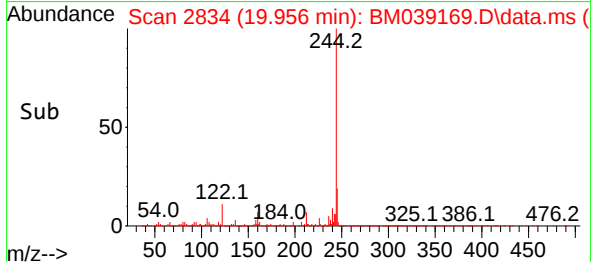
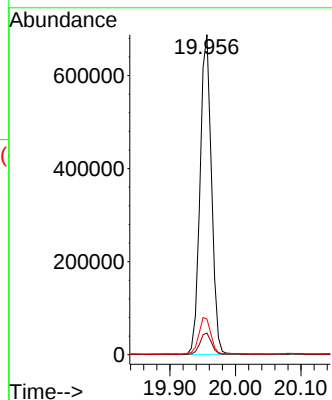
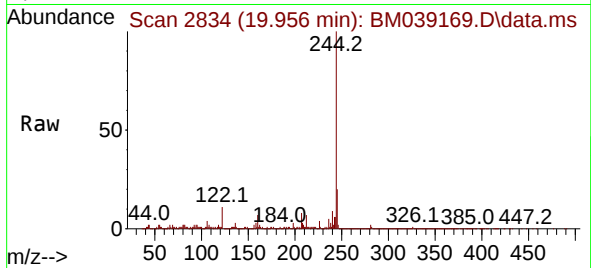




#79
 Terphenyl-d14
 Concen: 10.665 ng
 RT: 19.956 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM039169.D
 Acq: 27 Mar 2023 20:31

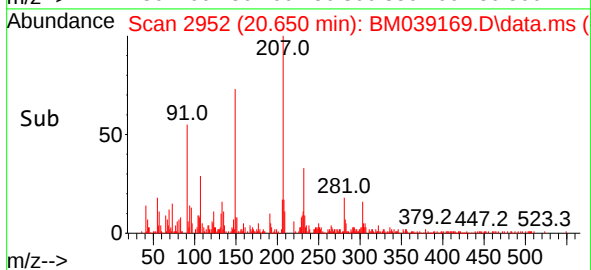
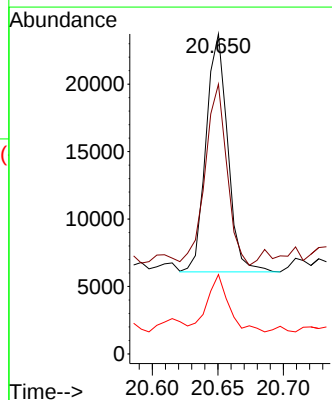
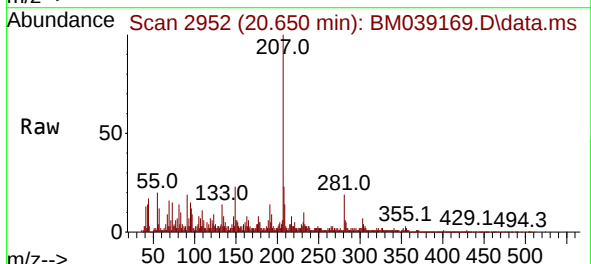
Instrument :
 BNA_M
 ClientSampleId :
 10TH-ST-SUBSTATION-TP2DL

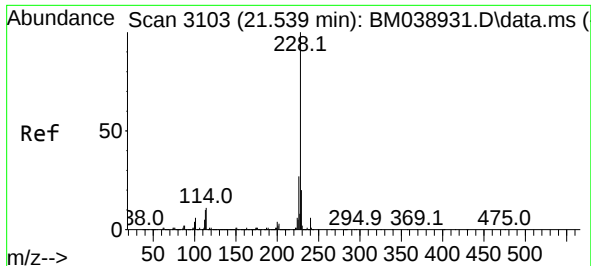
Tgt Ion:244 Resp: 833502
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.1 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.730 ng
 RT: 20.650 min Scan# 2952
 Delta R.T. 0.006 min
 Lab File: BM039169.D
 Acq: 27 Mar 2023 20:31

Tgt Ion:149 Resp: 20292
 Ion Ratio Lower Upper
 149 100
 91 84.3 58.4 87.6
 206 24.8 16.1 24.1#

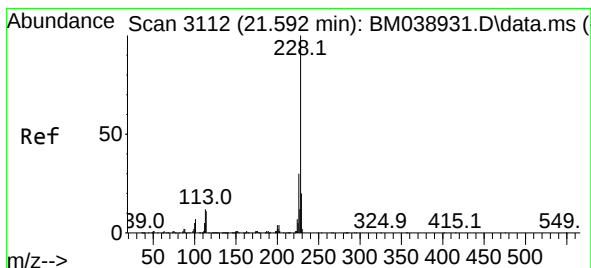
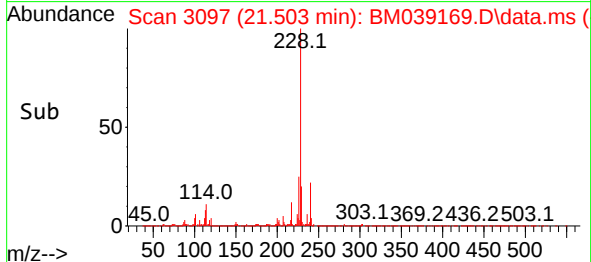
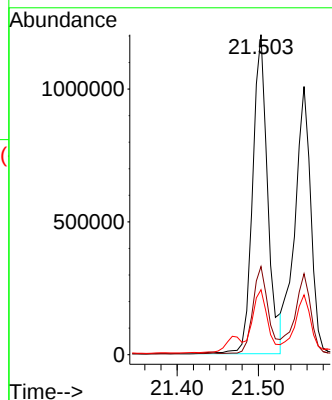
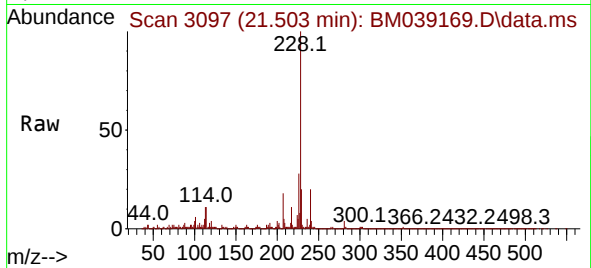




#81
Benzo(a)anthracene
Concen: 15.157 ng
RT: 21.503 min Scan# 3106
Delta R.T. 0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

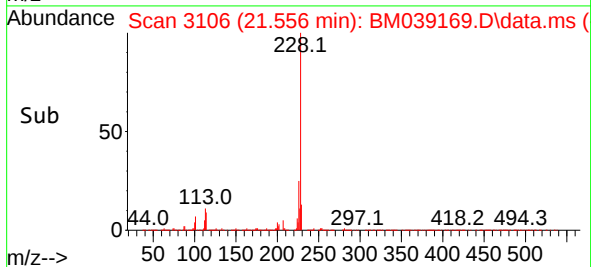
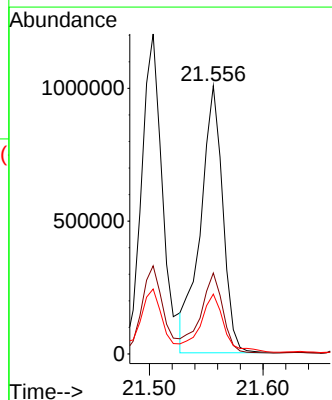
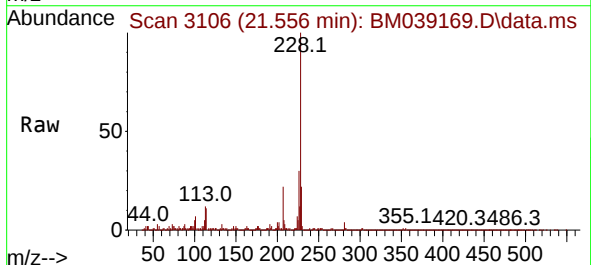
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL

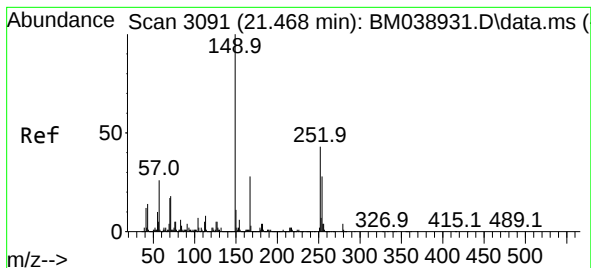
Tgt Ion:228 Resp: 1559611
Ion Ratio Lower Upper
228 100
226 27.6 21.4 32.2
229 20.3 15.7 23.5



#83
Chrysene
Concen: 13.684 ng
RT: 21.556 min Scan# 3106
Delta R.T. 0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:228 Resp: 1369501
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.3 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.634 ng

RT: 21.421 min Scan# 3091

Delta R.T. -0.000 min

Lab File: BM039169.D

Acq: 27 Mar 2023 20:31

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP2DL

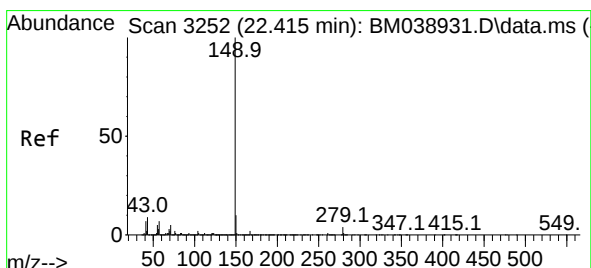
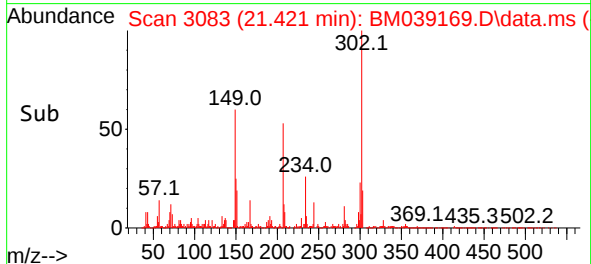
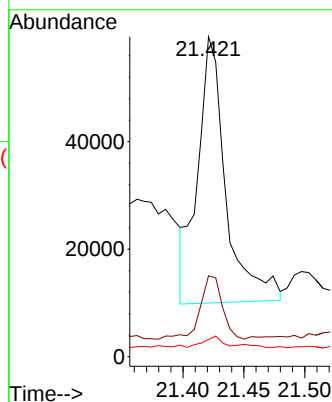
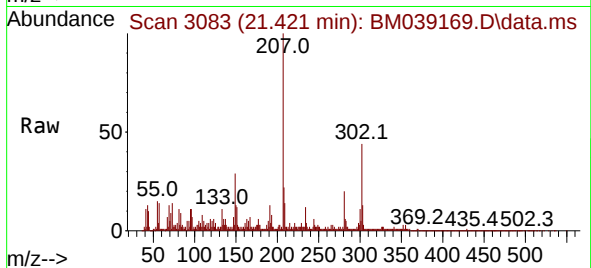
Tgt Ion:149 Resp: 79949

Ion Ratio Lower Upper

149 100

167 25.2 22.3 33.5

279 5.3 3.2 4.8#



#85

Di-n-octyl phthalate

Concen: 3.850 ng

RT: 22.415 min Scan# 3252

Delta R.T. 0.059 min

Lab File: BM039169.D

Acq: 27 Mar 2023 20:31

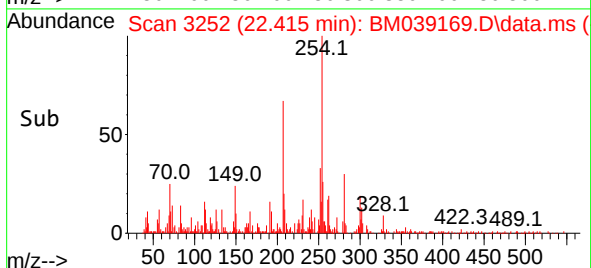
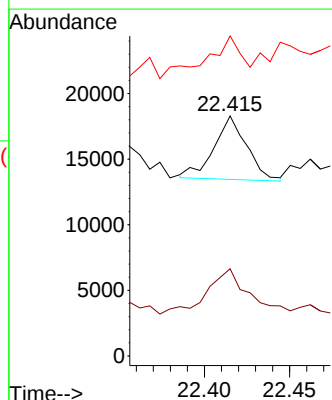
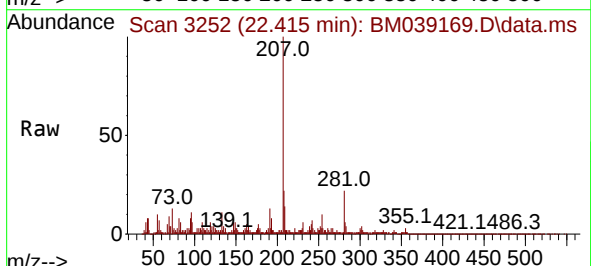
Tgt Ion:149 Resp: 6404

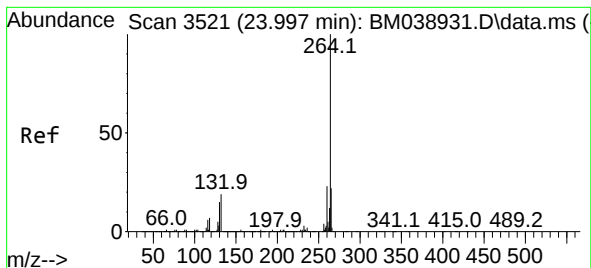
Ion Ratio Lower Upper

149 100

167 90.9 1.2 1.8#

43 31.2 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.944 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM039169.D

Acq: 27 Mar 2023 20:31

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP2DL

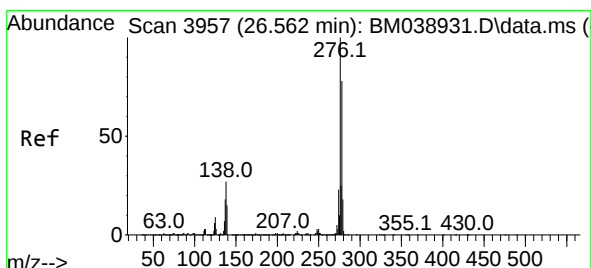
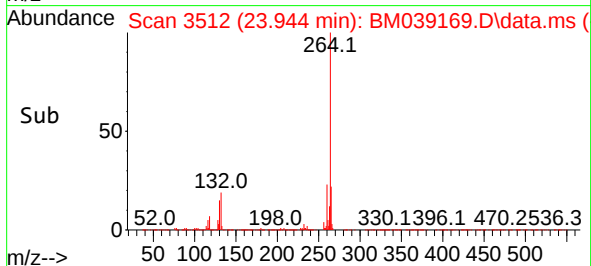
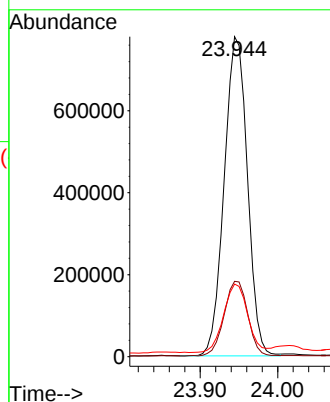
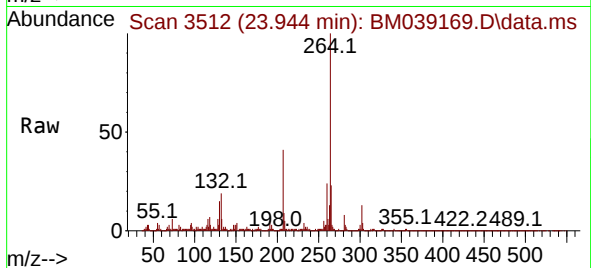
Tgt Ion:264 Resp: 1624251

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 22.7 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.155 ng

RT: 26.468 min Scan# 3941

Delta R.T. -0.000 min

Lab File: BM039169.D

Acq: 27 Mar 2023 20:31

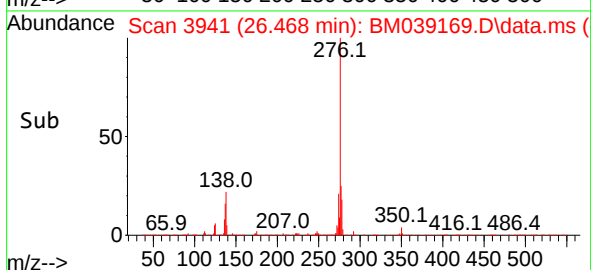
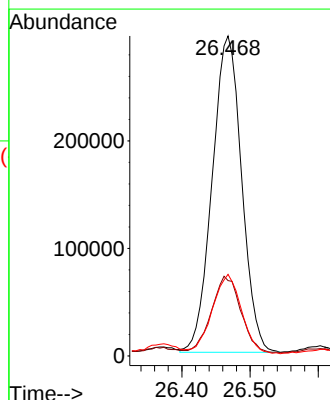
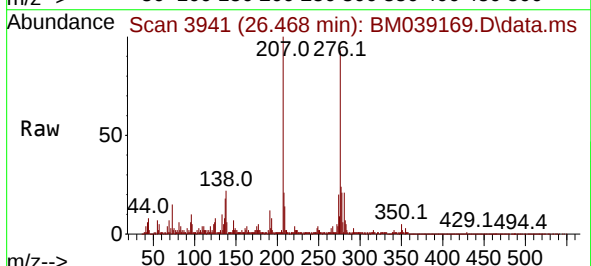
Tgt Ion:276 Resp: 884355

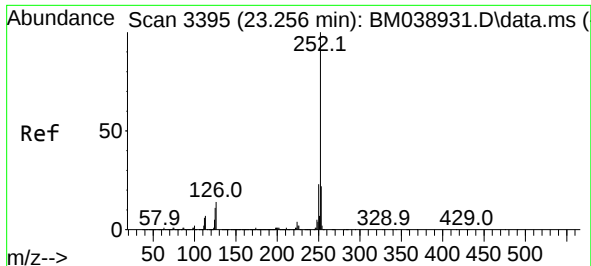
Ion Ratio Lower Upper

276 100

138 24.1 22.1 33.1

277 25.1 20.1 30.1

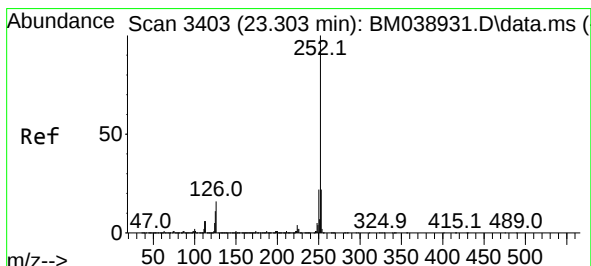
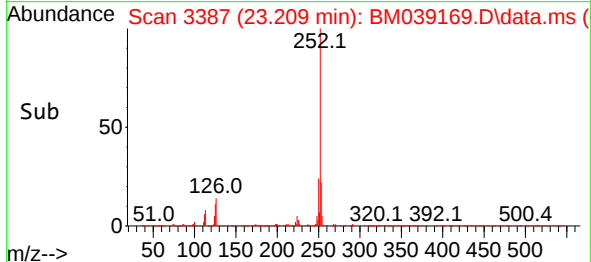
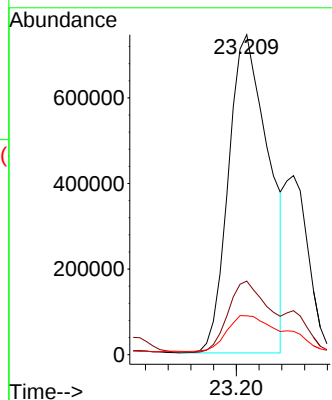
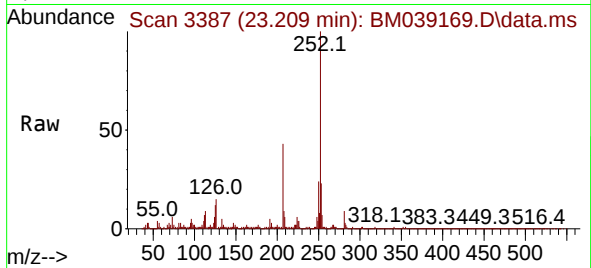




#88
Benzo(b)fluoranthene
Concen: 17.617 ng
RT: 23.209 min Scan# 31
Delta R.T. 0.012 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

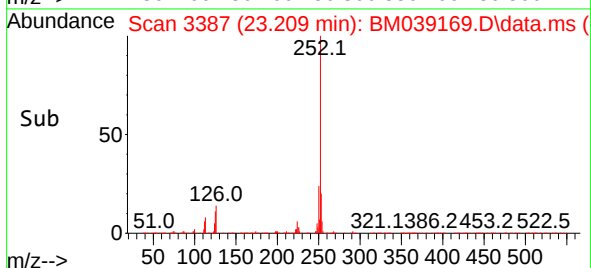
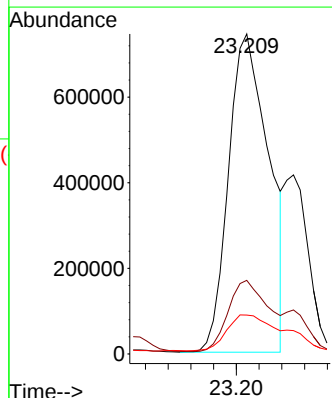
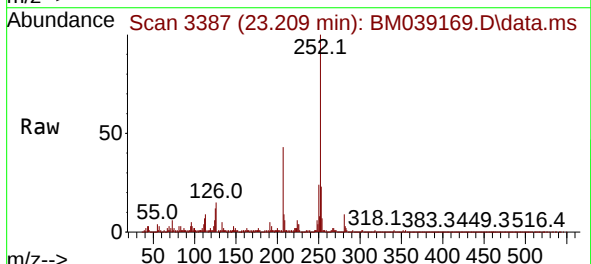
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL

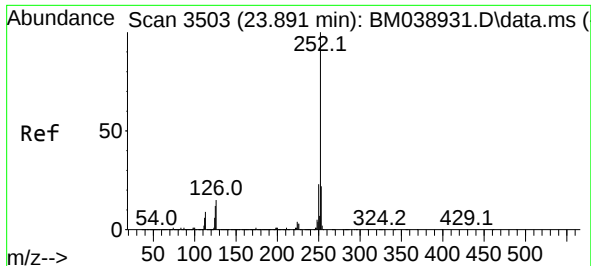
Tgt Ion:252 Resp: 1828099
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.2 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 16.928 ng
RT: 23.209 min Scan# 3387
Delta R.T. -0.041 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:252 Resp: 1828099
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 12.2 8.9 13.3

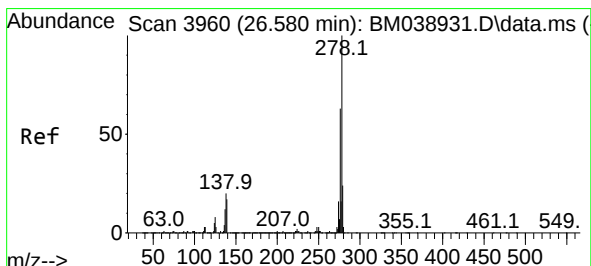
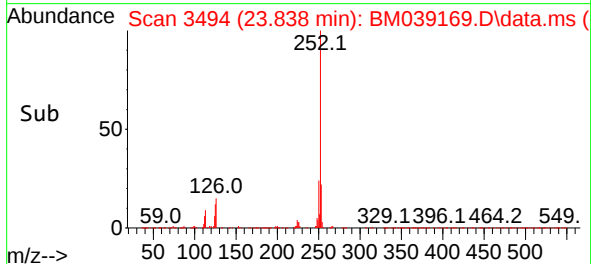
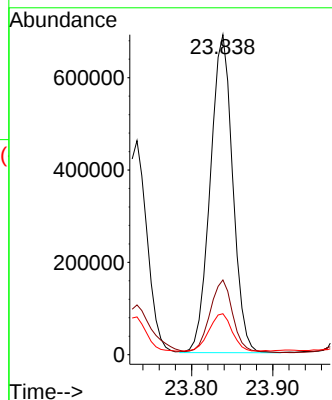
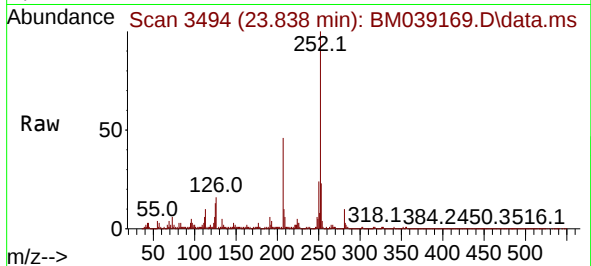




#90
Benzo(a)pyrene
Concen: 13.230 ng
RT: 23.838 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

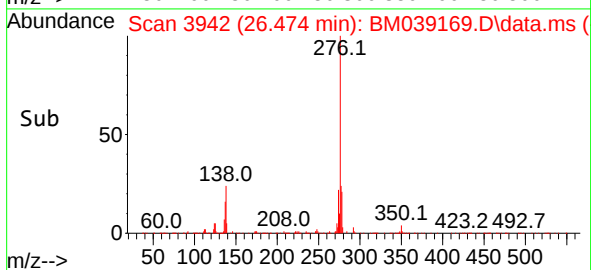
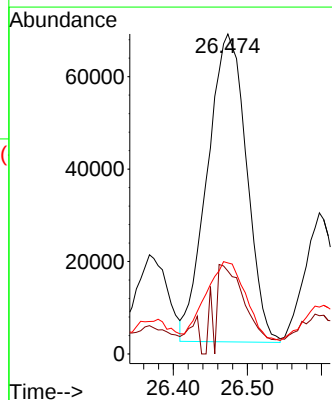
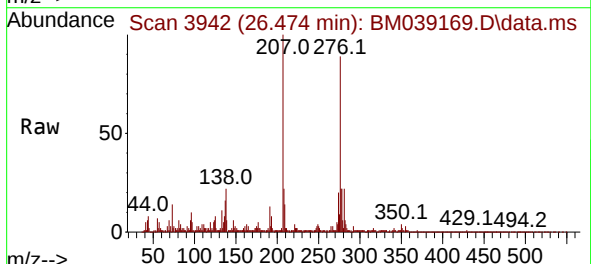
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP2DL

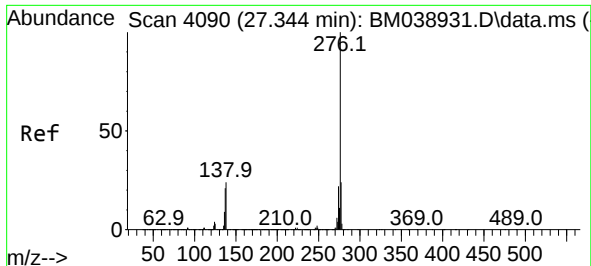
Tgt Ion:252 Resp: 1321276
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 12.8 9.8 14.8



#91
Dibenzo(a,h)anthracene
Concen: 2.337 ng
RT: 26.474 min Scan# 3942
Delta R.T. -0.006 min
Lab File: BM039169.D
Acq: 27 Mar 2023 20:31

Tgt Ion:278 Resp: 244611
Ion Ratio Lower Upper
278 100
139 25.9 13.7 20.5#
279 28.4 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 8.305 ng
 RT: 27.250 min Scan# 4090
 Delta R.T. 0.006 min
 Lab File: BM039169.D
 Acq: 27 Mar 2023 20:31

Instrument :
 BNA_M
 ClientSampleId :
 10TH-ST-SUBSTATION-TP2DL

Tgt Ion:276 Resp: 850417
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.3 28.9
 138 24.0 19.0 28.6

