

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
 Data File : BM039167.D
 Acq On : 27 Mar 2023 19:16
 Operator : CG/JU
 Sample : 01998-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 10TH-ST-SUBSTATION-TP1

Quant Time: Mar 28 01:51:55 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)

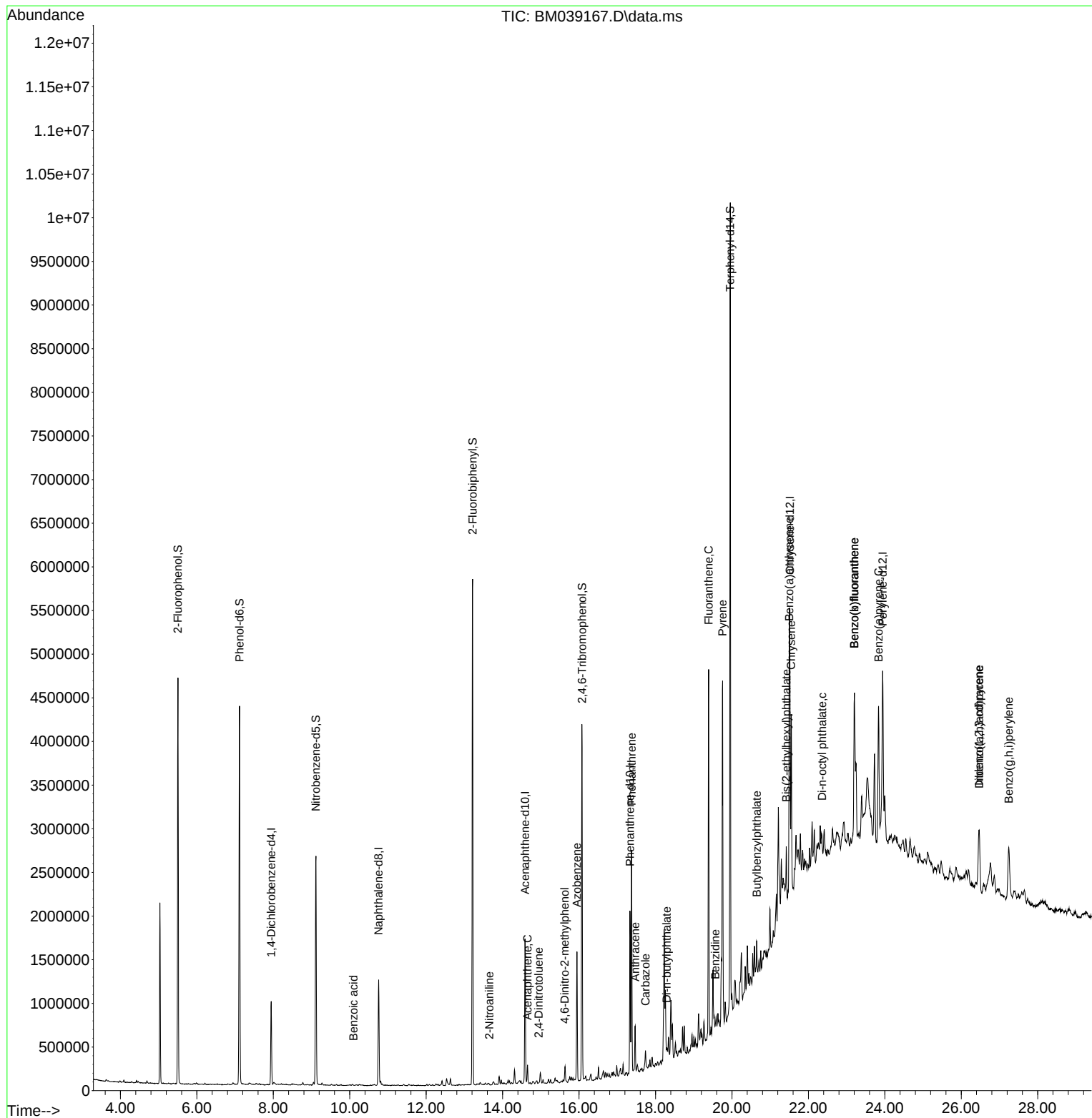
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	253011	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	986546	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	539406	20.000	ng	0.00
64) Phenanthrene-d10	17.333	188	1092733	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1109635	20.000	ng	0.00
86) Perylene-d12	23.944	264	1268993	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1995791	119.844	ng	0.00
7) Phenol-d6	7.116	99	2532385	117.073	ng	0.00
23) Nitrobenzene-d5	9.116	82	1519522	75.658	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	705818	113.111	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	2954929	71.314	ng	0.00
79) Terphenyl-d14	19.956	244	4272668	70.400	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.098	122	129	5.742	ng	# 1
48) 2-Nitroaniline	13.651	65	283	2.240	ng	# 53
52) Acenaphthene	14.651	154	71658	2.124	ng	96
57) 2,4-Dinitrotoluene	14.945	165	672	2.124	ng	# 84
63) Azobenzene	15.945	77	418315	9.789	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.627	198	56	5.095	ng	# 1
71) Phenanthrene	17.374	178	1433560	22.353	ng	99
72) Anthracene	17.468	178	331734	5.187	ng	100
73) Carbazole	17.739	167	127357	2.182	ng	98
74) Di-n-butylphthalate	18.298	149	61656	2.632	ng	97
75) Fluoranthene	19.392	202	2298502	33.944	ng	99
77) Benzidine	19.568	184	351	4.889	ng	# 1
78) Pyrene	19.756	202	2411653	28.937	ng	99
80) Butylbenzylphthalate	20.650	149	116634	6.380	ng	99
81) Benzo(a)anthracene	21.497	228	1306608	16.351	ng	98
83) Chrysene	21.550	228	1234476	15.884	ng	98
84) Bis(2-ethylhexyl)phtha...	21.421	149	216960	6.500	ng	100
85) Di-n-octyl phthalate	22.362	149	6690	3.869	ng	# 32
87) Indeno(1,2,3-cd)pyrene	26.468	276	783405	8.113	ng	95
88) Benzo(b)fluoranthene	23.203	252	1575405	19.432	ng	# 94
89) Benzo(k)fluoranthene	23.203	252	1575405	18.672	ng	# 94
90) Benzo(a)pyrene	23.838	252	1139992	14.611	ng	97
91) Dibenzo(a,h)anthracene	26.474	278	219539	2.685	ng	# 80
92) Benzo(g,h,i)perylene	27.244	276	787595	9.844	ng	98

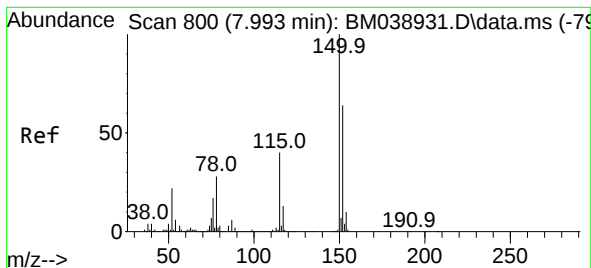
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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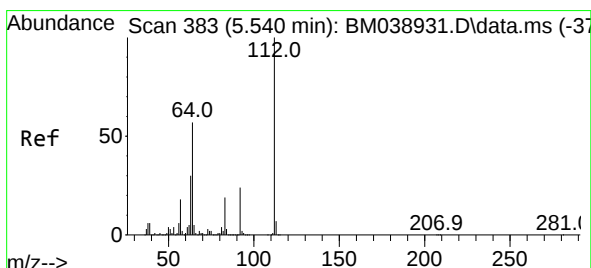
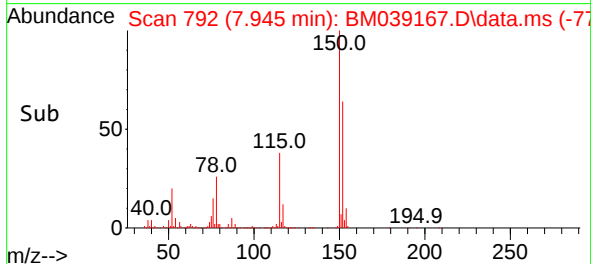
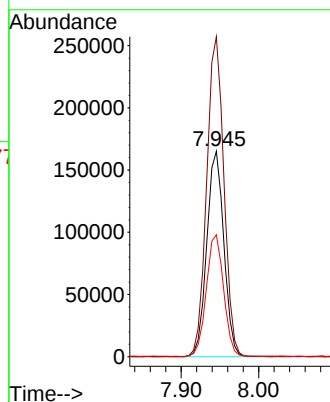
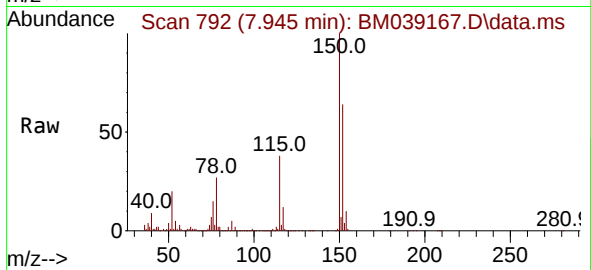




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.945 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

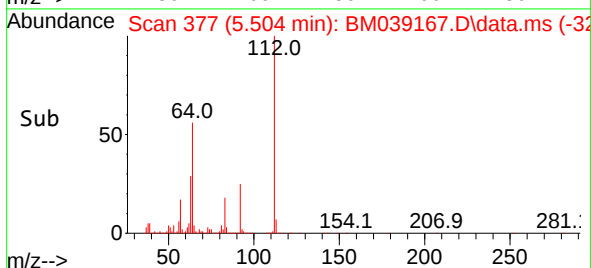
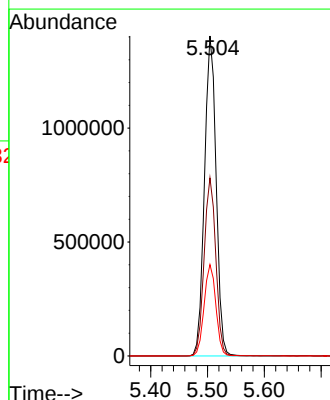
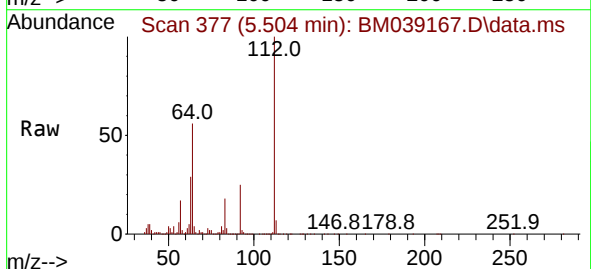
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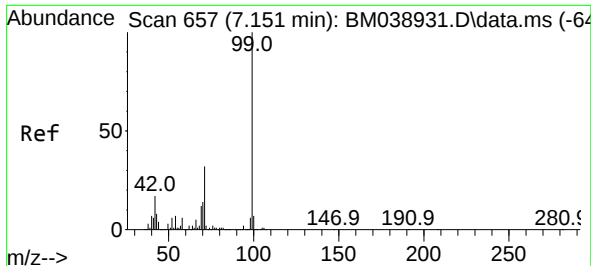
Tgt Ion:152 Resp: 253011
Ion Ratio Lower Upper
152 100
150 155.8 125.1 187.7
115 59.4 49.6 74.4



#5
2-Fluorophenol
Concen: 119.844 ng
RT: 5.504 min Scan# 377
Delta R.T. 0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

Tgt Ion:112 Resp: 1995791
Ion Ratio Lower Upper
112 100
64 55.7 45.9 68.9
63 28.6 23.8 35.8

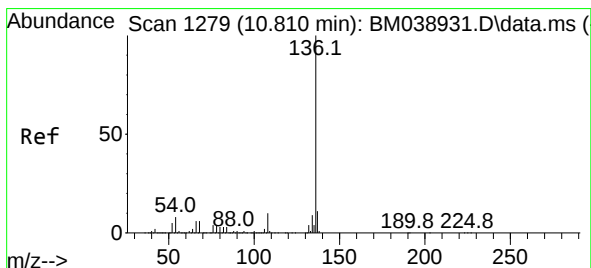
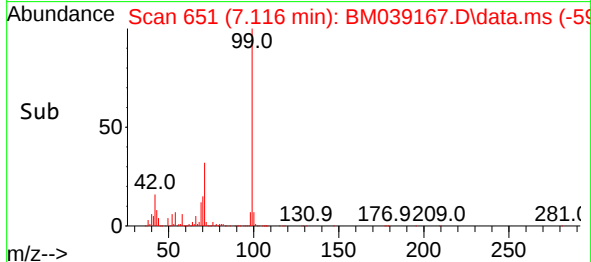
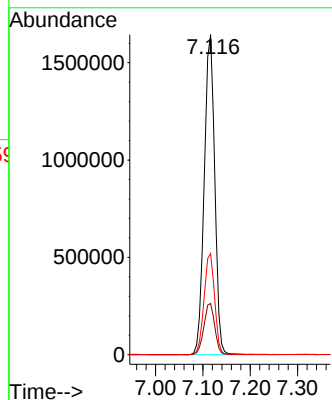
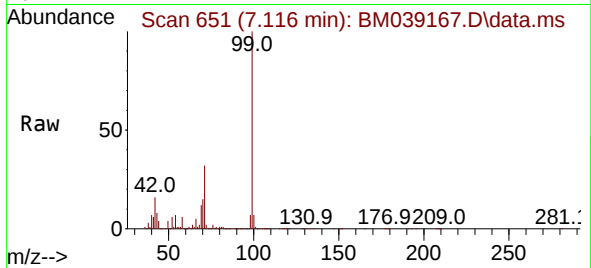




#7
Phenol-d6
Concen: 117.073 ng
RT: 7.116 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

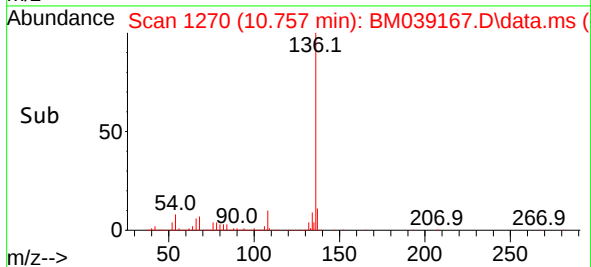
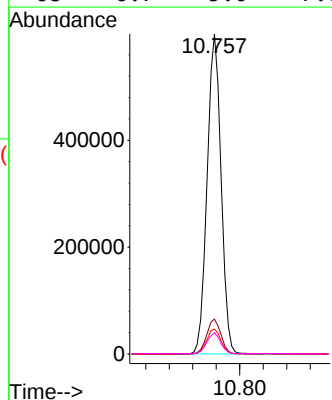
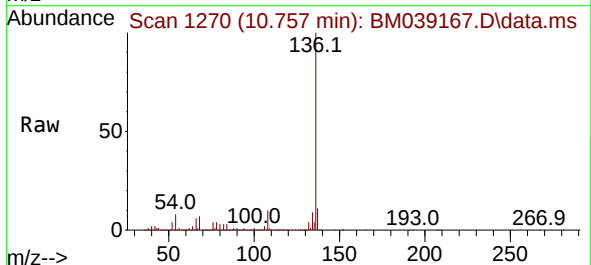
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ClientSampleId :
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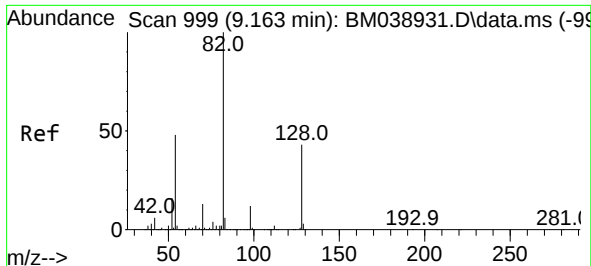
Tgt Ion: 99 Resp: 2532385
Ion Ratio Lower Upper
99 100
42 16.0 13.5 20.3
71 31.6 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

Tgt Ion: 136 Resp: 986546
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.8 6.3 9.5
68 6.7 5.0 7.6

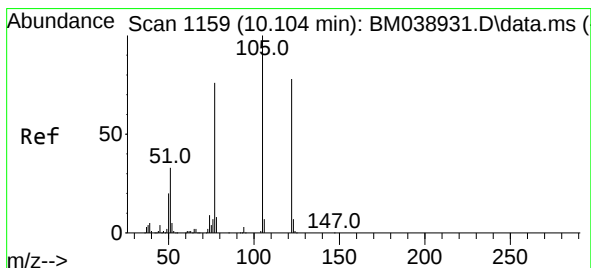
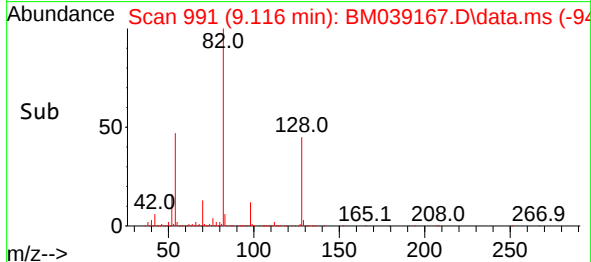
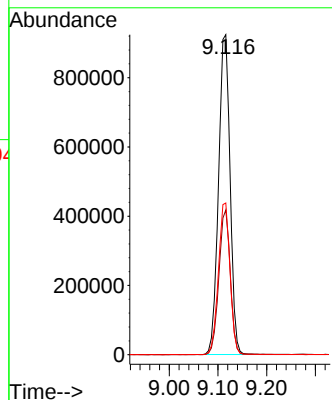
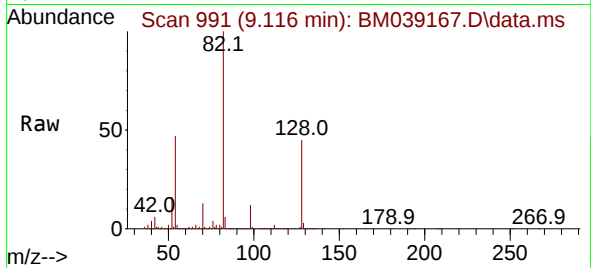




#23
Nitrobenzene-d5
Concen: 75.658 ng
RT: 9.116 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

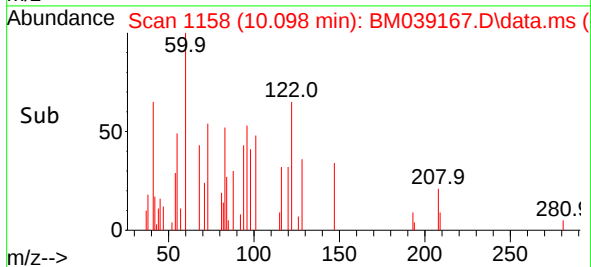
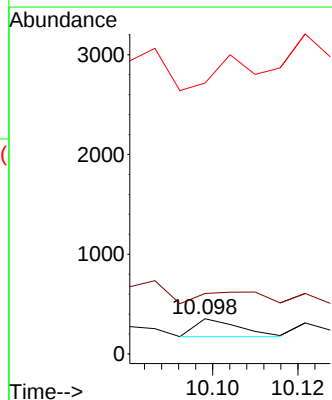
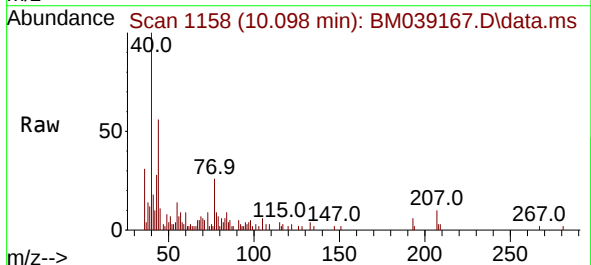
Instrument :
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ClientSampleId :
10TH-ST-SUBSTATION-TP1

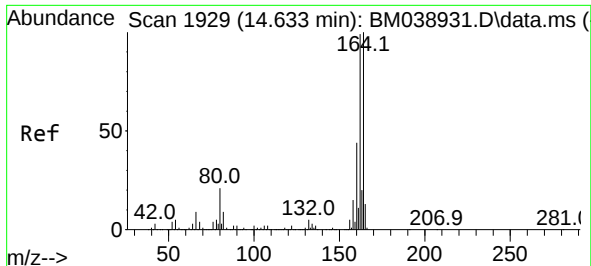
Tgt Ion: 82 Resp: 1519522
Ion Ratio Lower Upper
82 100
128 45.2 34.4 51.6
54 47.4 38.8 58.2



#32
Benzoic acid
Concen: 5.742 ng
RT: 10.098 min Scan# 1158
Delta R.T. 0.023 min
Lab File: BM039167.D
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Tgt Ion:122 Resp: 129
Ion Ratio Lower Upper
122 100
105 171.7 104.2 144.2#
77 769.4 75.1 115.1#

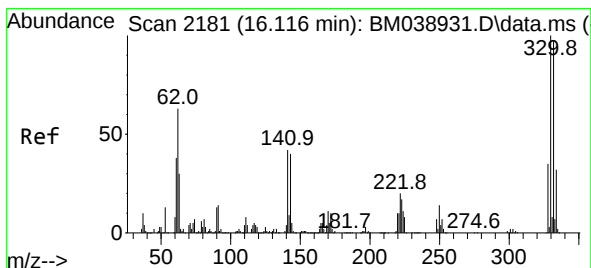
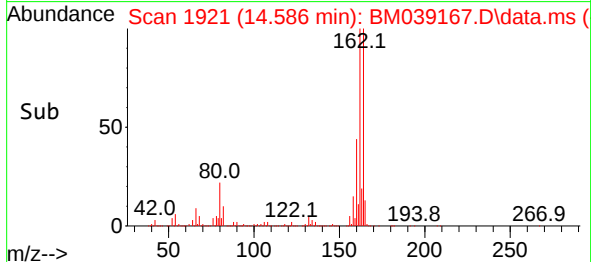
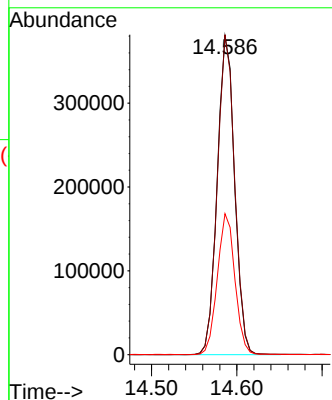
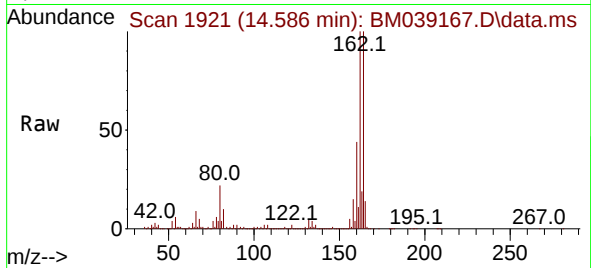




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

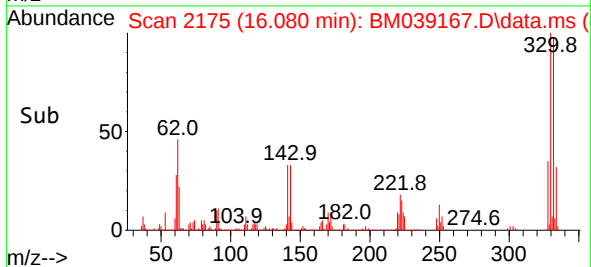
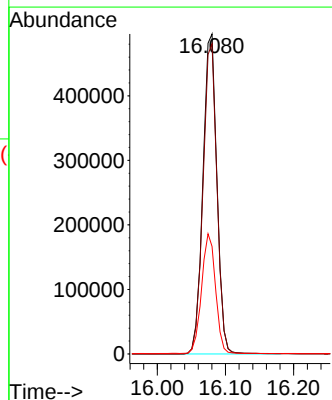
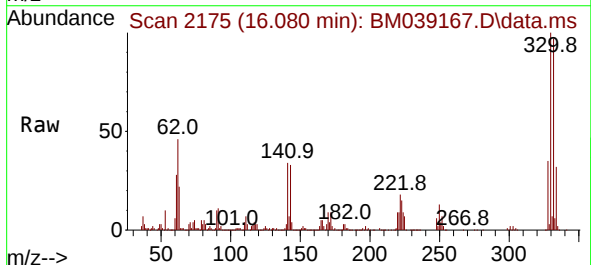
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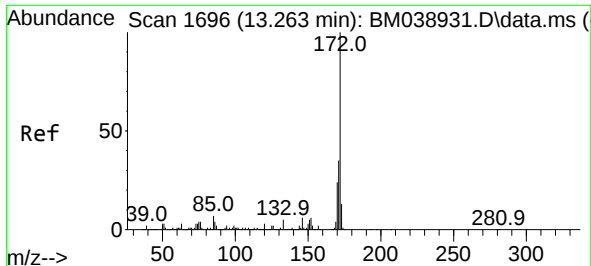
Tgt Ion:164 Resp: 539406
Ion Ratio Lower Upper
164 100
162 100.4 79.2 118.8
160 44.2 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 113.111 ng
RT: 16.080 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

Tgt Ion:330 Resp: 705818
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 37.4 32.2 48.4

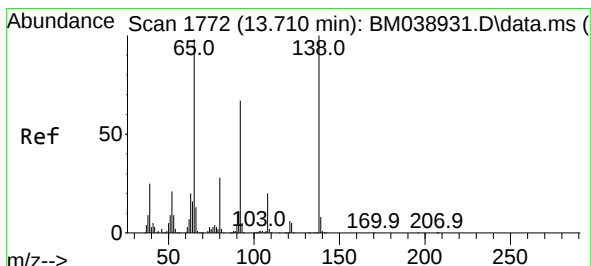
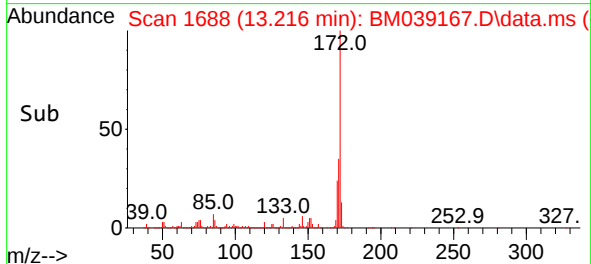
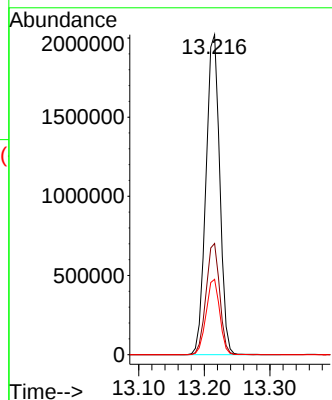
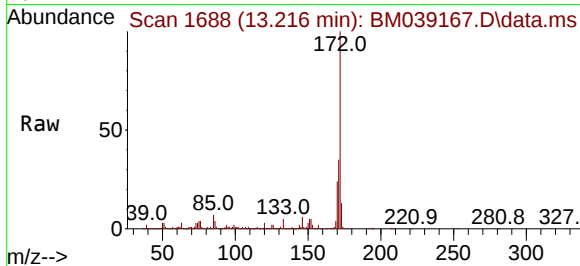




#45
2-Fluorobiphenyl
Concen: 71.314 ng
RT: 13.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

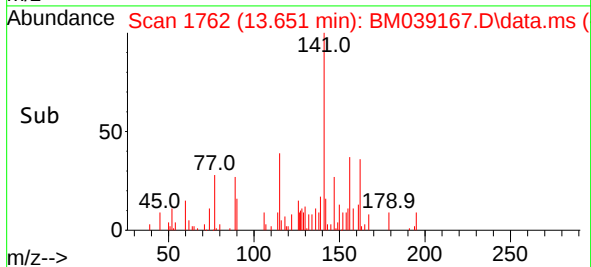
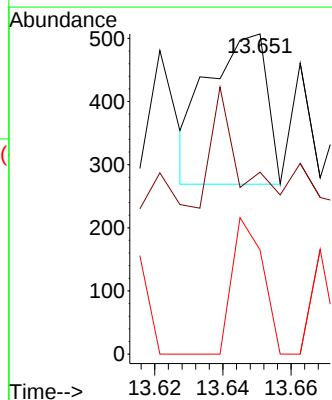
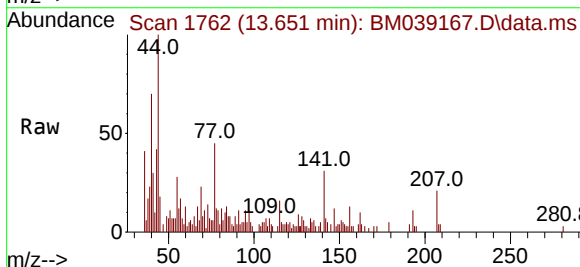
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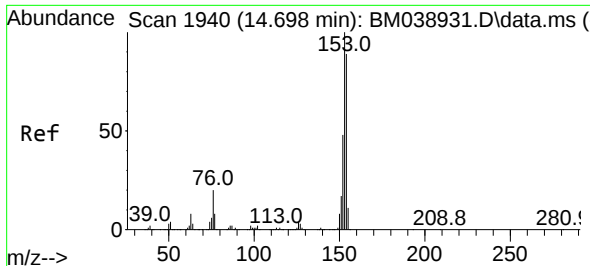
Tgt Ion:172 Resp: 2954929
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.6 19.1 28.7



#48
2-Nitroaniline
Concen: 2.240 ng
RT: 13.651 min Scan# 1762
Delta R.T. -0.024 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

Tgt Ion: 65 Resp: 283
Ion Ratio Lower Upper
65 100
92 56.8 54.9 82.3
138 32.5 81.6 122.4#

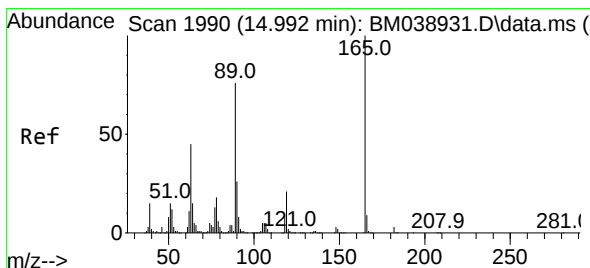
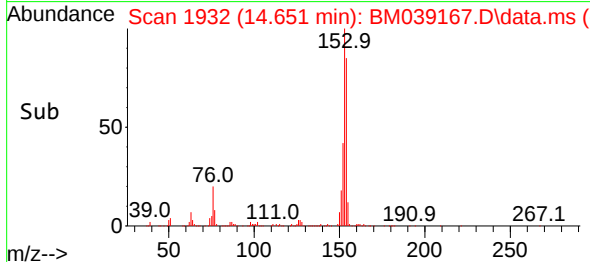
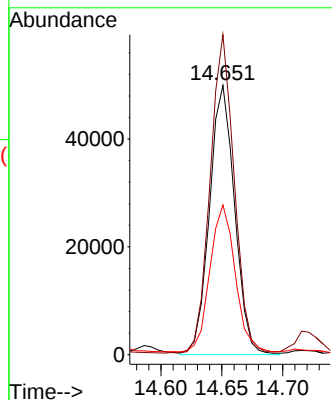
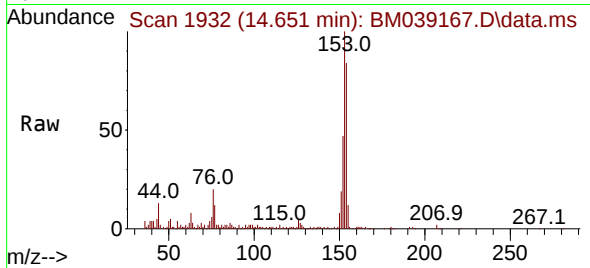




#52
Acenaphthene
Concen: 2.124 ng
RT: 14.651 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

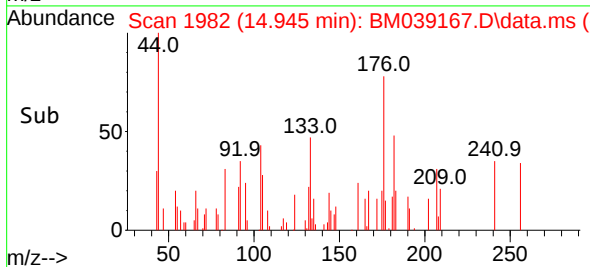
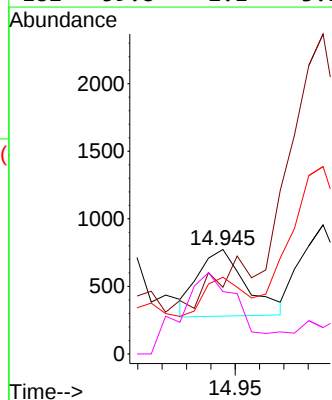
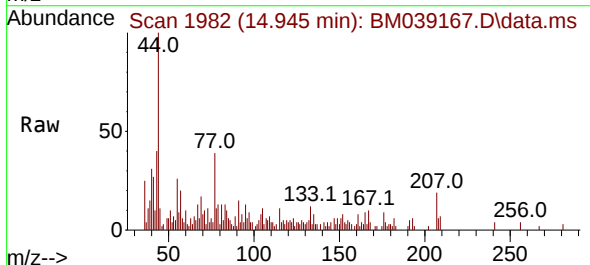
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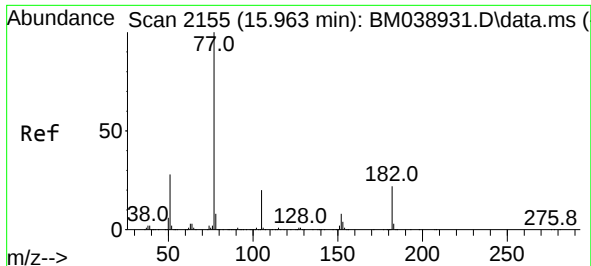
Tgt Ion:154 Resp: 71658
Ion Ratio Lower Upper
154 100
153 118.8 90.2 135.2
152 55.6 43.4 65.2



#57
2,4-Dinitrotoluene
Concen: 2.124 ng
RT: 14.945 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

Tgt Ion:165 Resp: 672
Ion Ratio Lower Upper
165 100
63 63.9 35.9 53.9#
89 73.4 61.0 91.6
182 59.8 2.1 3.1#

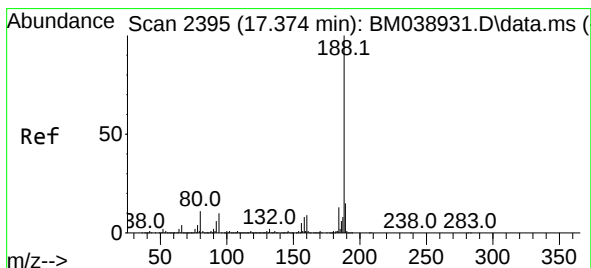
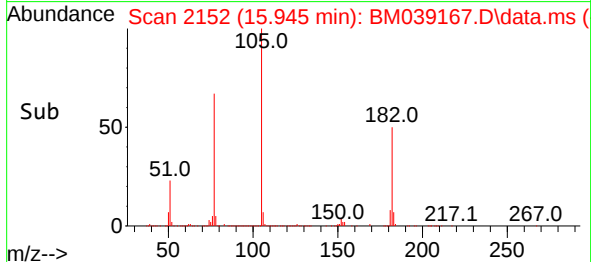
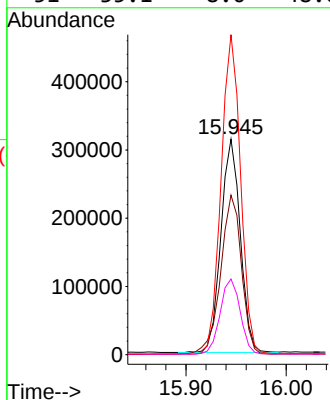
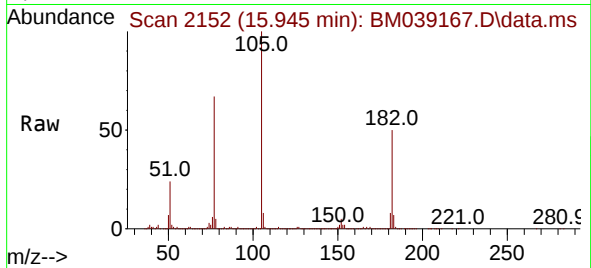




#63
Azobenzene
Concen: 9.789 ng
RT: 15.945 min Scan# 2155
Delta R.T. 0.023 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

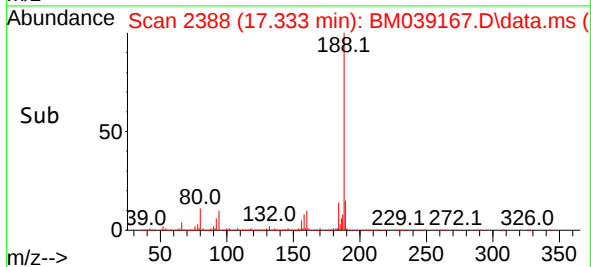
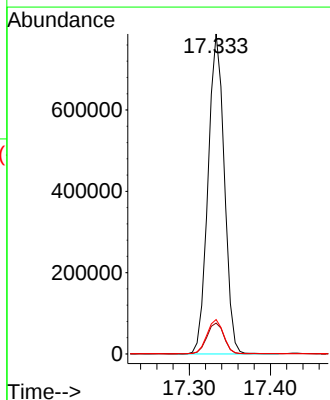
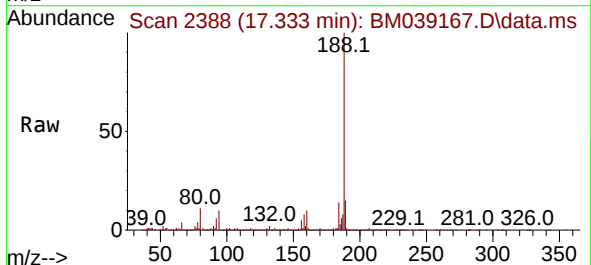
Instrument :
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10TH-ST-SUBSTATION-TP1

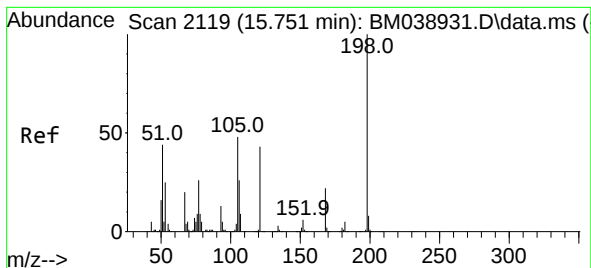
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Ion Ratio Lower Upper
77 100
182 74.0 2.0 42.0#
105 148.5 0.4 40.4#
51 35.1 8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.333 min Scan# 2388
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

Tgt Ion:188 Resp: 1092733
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.7 8.5 12.7

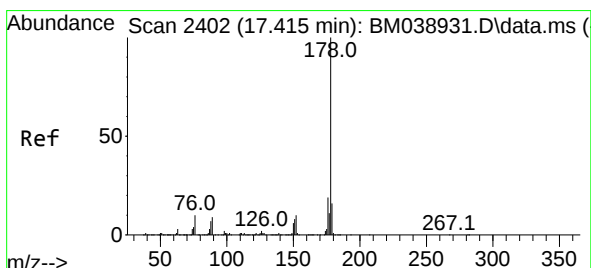
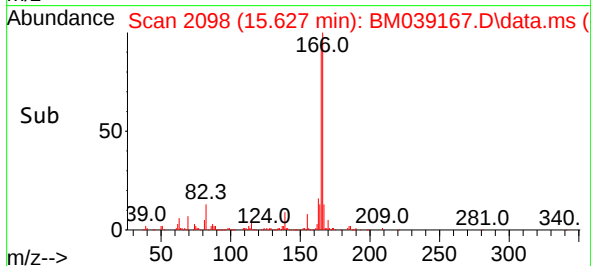
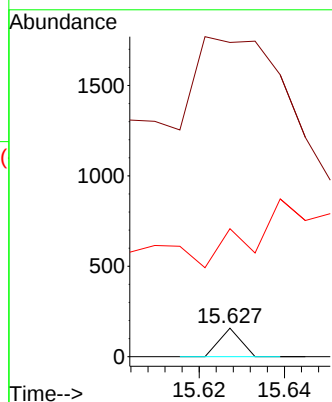
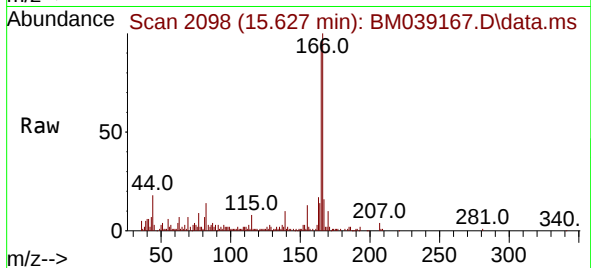




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.095 ng
 RT: 15.627 min Scan# 2098
 Delta R.T. -0.088 min
 Lab File: BM039167.D
 Acq: 27 Mar 2023 19:16

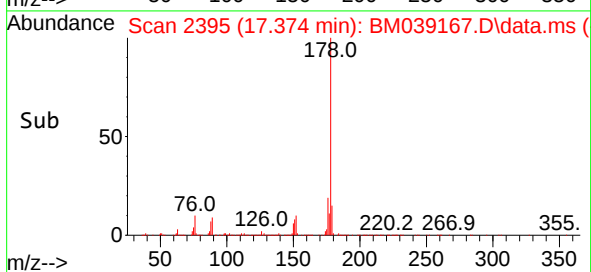
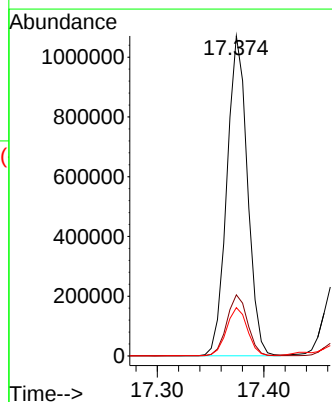
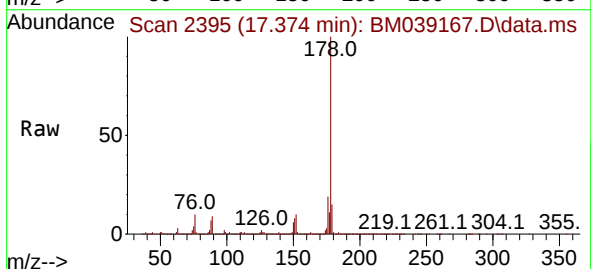
Instrument :
 BNA_M
 ClientSampleId :
 10TH-ST-SUBSTATION-TP1

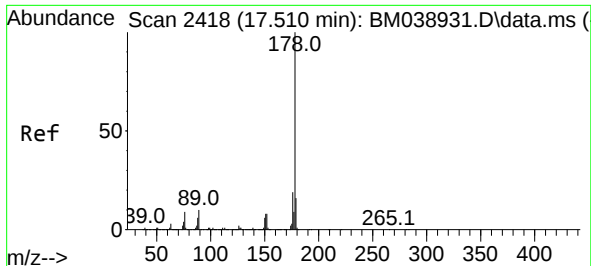
Tgt Ion:198 Resp: 56
 Ion Ratio Lower Upper
 198 100
 51 1100.0 30.1 70.1#
 105 448.1 29.3 69.3#



#71
 Phenanthrene
 Concen: 22.353 ng
 RT: 17.374 min Scan# 2395
 Delta R.T. -0.006 min
 Lab File: BM039167.D
 Acq: 27 Mar 2023 19:16

Tgt Ion:178 Resp: 1433560
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.6 23.4
 179 15.1 12.5 18.7

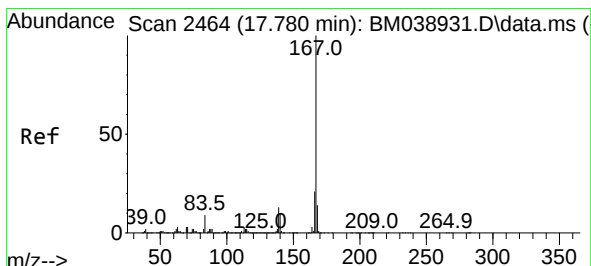
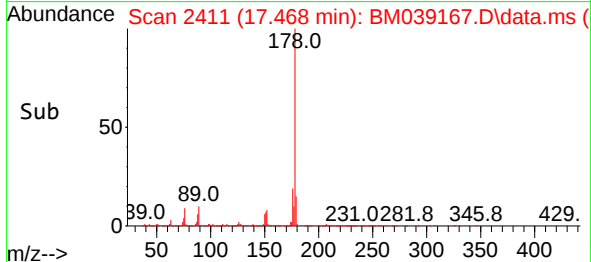
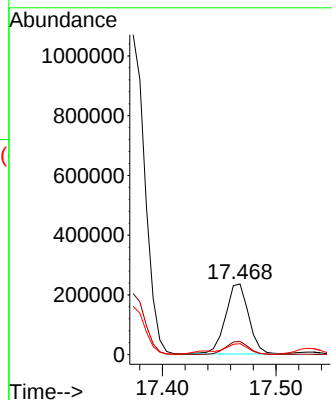
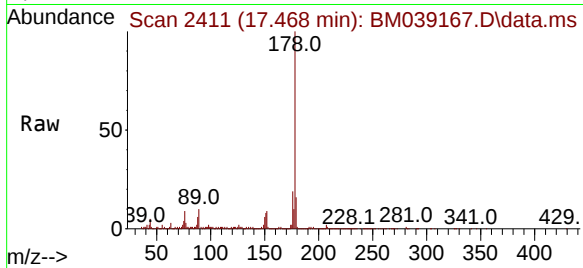




#72
 Anthracene
 Concen: 5.187 ng
 RT: 17.468 min Scan# 2418
 Delta R.T. -0.000 min
 Lab File: BM039167.D
 Acq: 27 Mar 2023 19:16

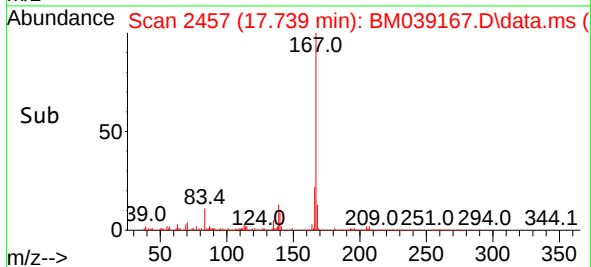
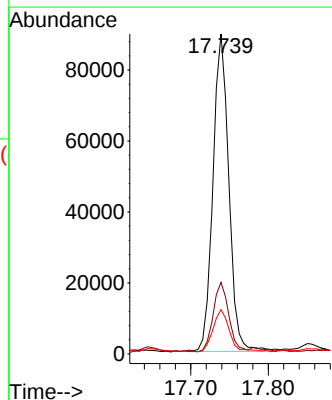
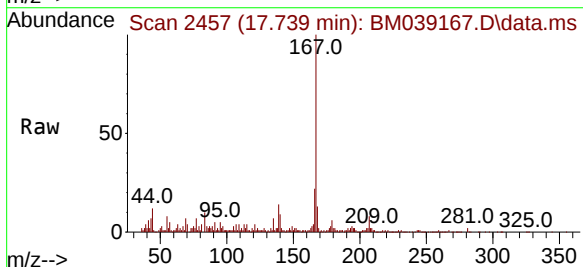
Instrument :
 BNA_M
 ClientSampleId :
 10TH-ST-SUBSTATION-TP1

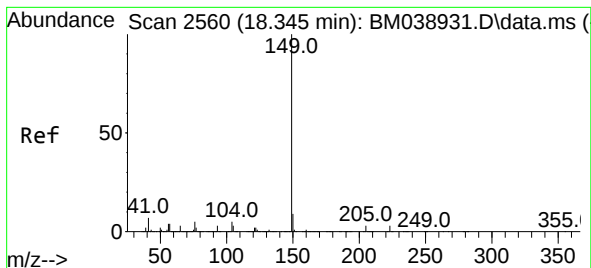
Tgt Ion:178 Resp: 331734
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.3 22.9
 179 15.5 12.5 18.7



#73
 Carbazole
 Concen: 2.182 ng
 RT: 17.739 min Scan# 2457
 Delta R.T. -0.000 min
 Lab File: BM039167.D
 Acq: 27 Mar 2023 19:16

Tgt Ion:167 Resp: 127357
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.0 25.4
 139 13.8 10.3 15.5





#74

Di-n-butylphthalate

Concen: 2.632 ng

RT: 18.298 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP1

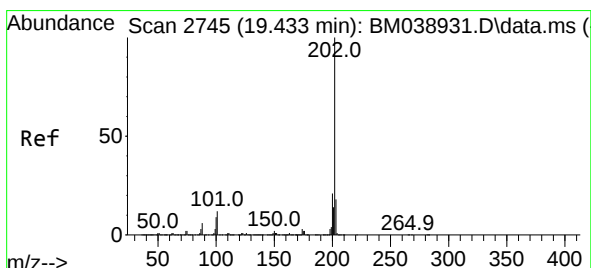
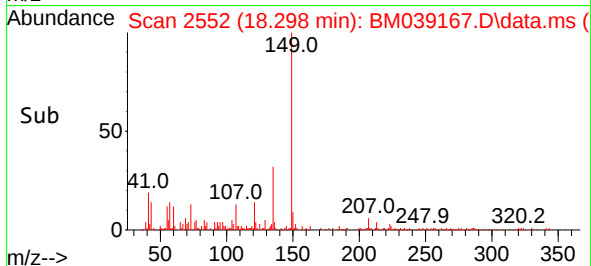
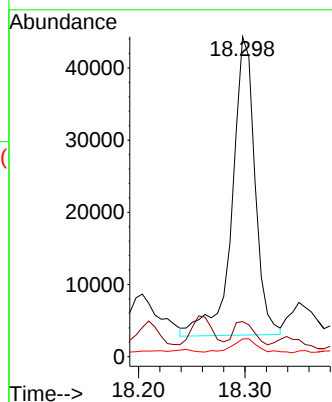
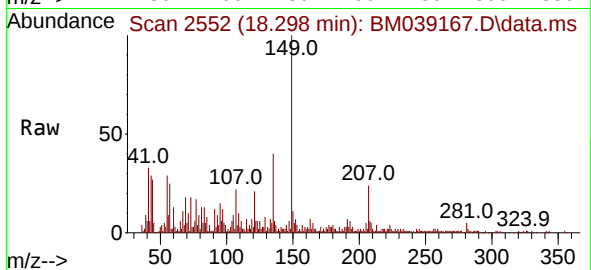
Tgt Ion:149 Resp: 61656

Ion Ratio Lower Upper

149 100

150 11.0 7.4 11.2

104 5.5 4.3 6.5



#75

Fluoranthene

Concen: 33.944 ng

RT: 19.392 min Scan# 2738

Delta R.T. -0.000 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

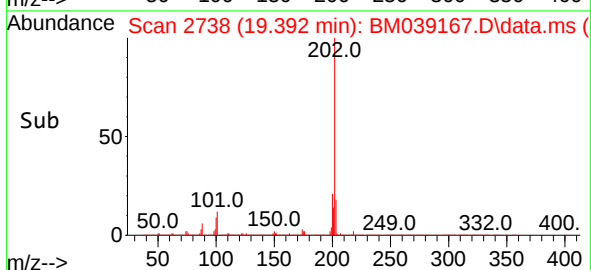
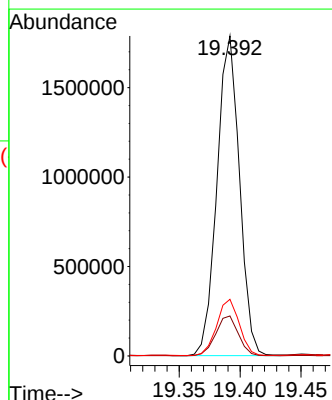
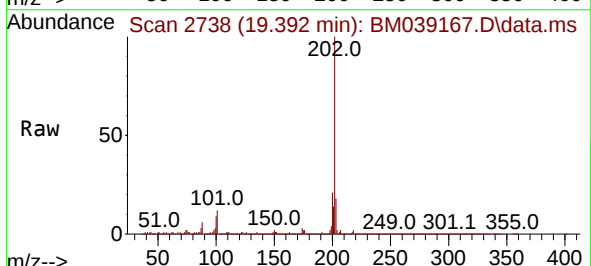
Tgt Ion:202 Resp: 2298502

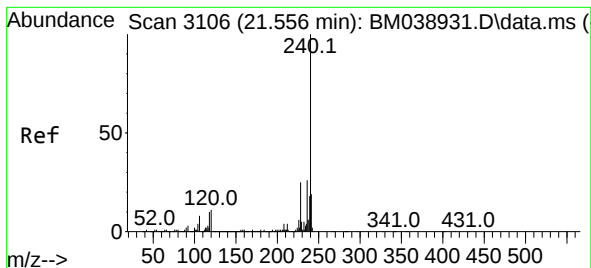
Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.7

203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 30

Delta R.T. -0.000 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP1

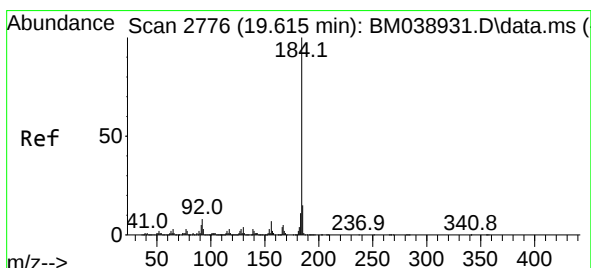
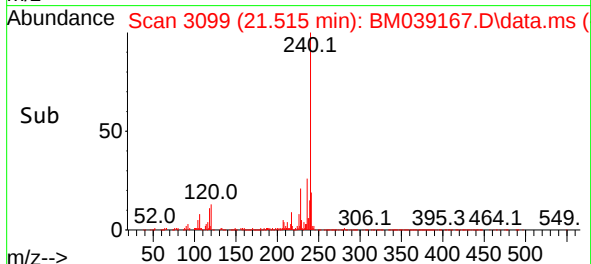
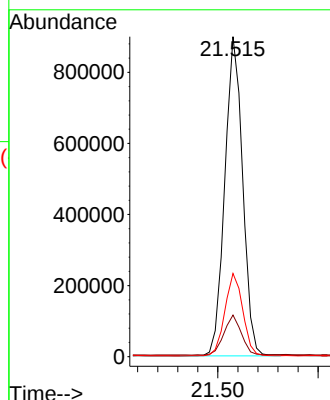
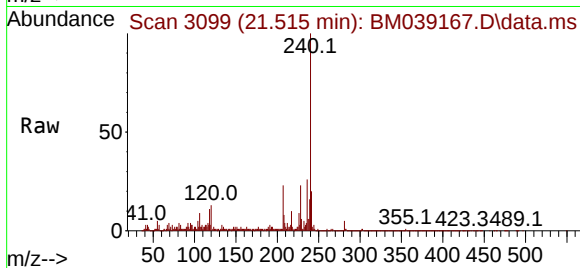
Tgt Ion:240 Resp: 1109635

Ion Ratio Lower Upper

240 100

120 13.0 9.2 13.8

236 26.0 20.8 31.2



#77

Benzidine

Concen: 4.889 ng

RT: 19.568 min Scan# 2768

Delta R.T. -0.012 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

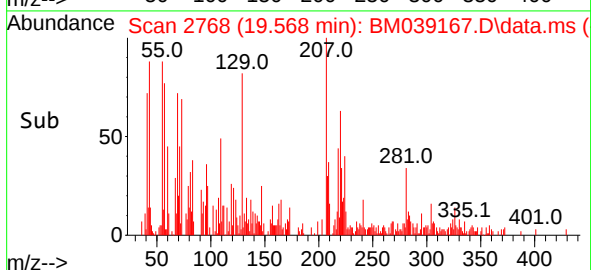
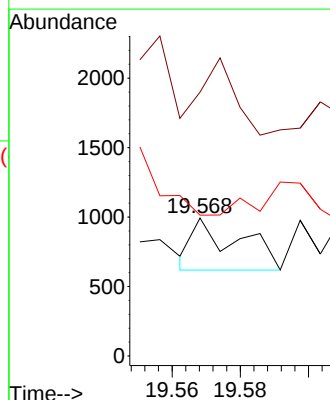
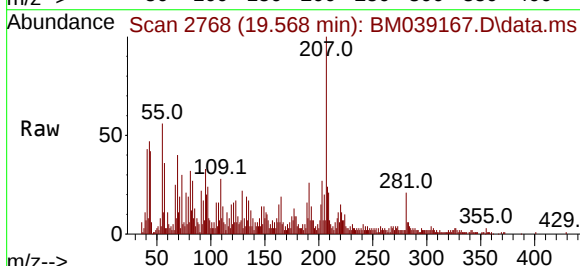
Tgt Ion:184 Resp: 351

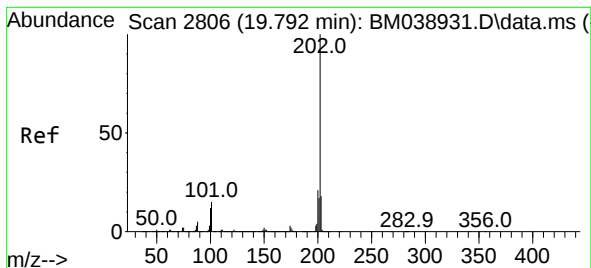
Ion Ratio Lower Upper

184 100

185 191.3 12.2 18.4#

183 102.1 8.8 13.2#





#78

Pyrene

Concen: 28.937 ng

RT: 19.756 min Scan# 2800

Delta R.T. -0.000 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP1

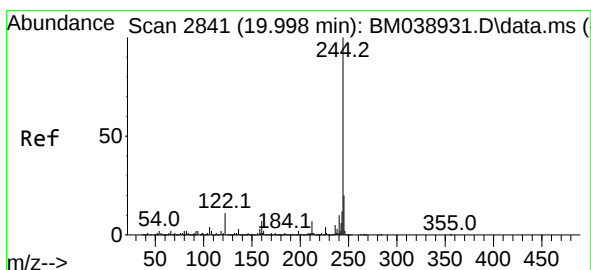
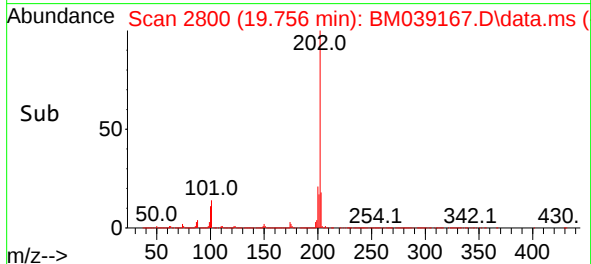
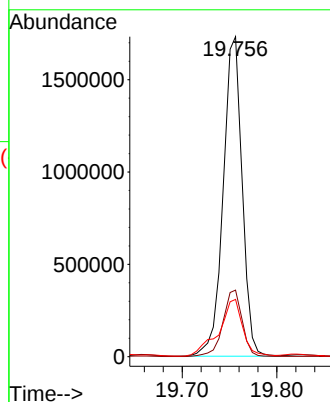
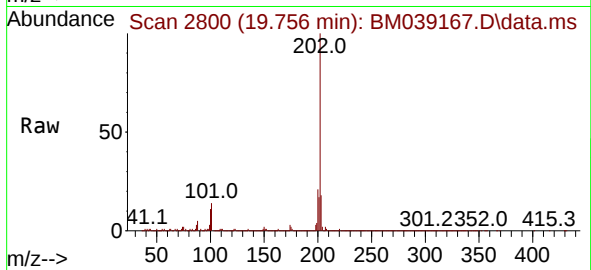
Tgt Ion:202 Resp: 2411653

Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 70.400 ng

RT: 19.956 min Scan# 2834

Delta R.T. -0.000 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

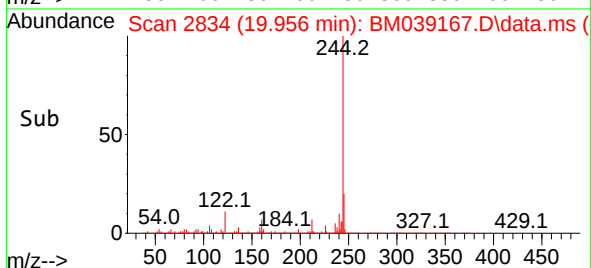
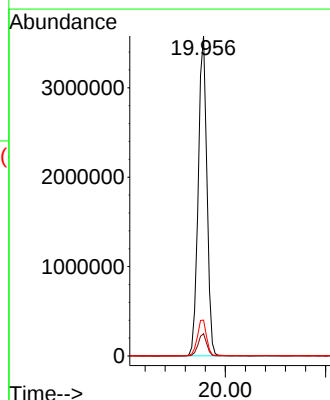
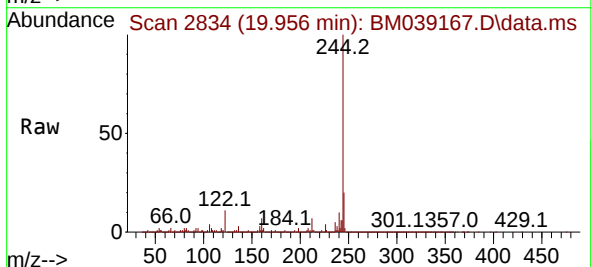
Tgt Ion:244 Resp: 4272668

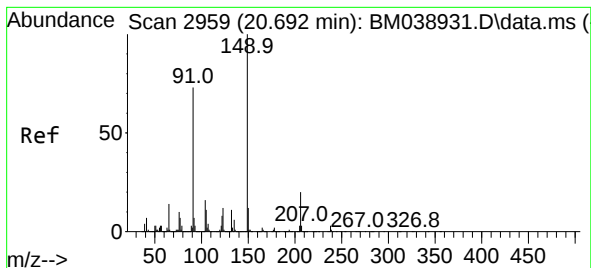
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 11.2 9.0 13.4





#80

Butylbenzylphthalate

Concen: 6.380 ng

RT: 20.650 min Scan# 24

Delta R.T. 0.006 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP1

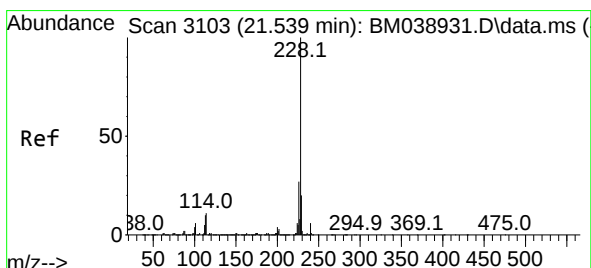
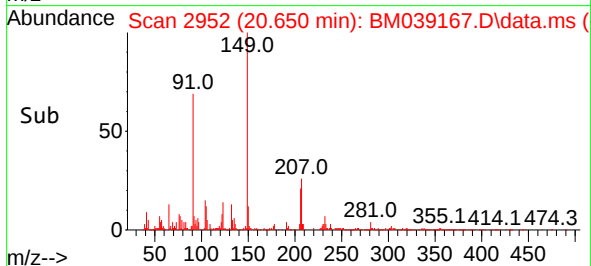
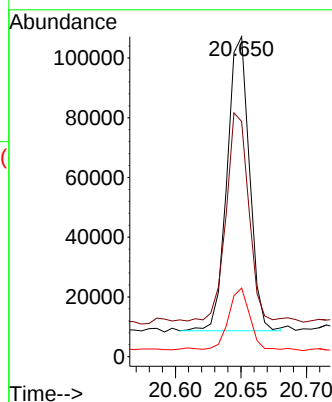
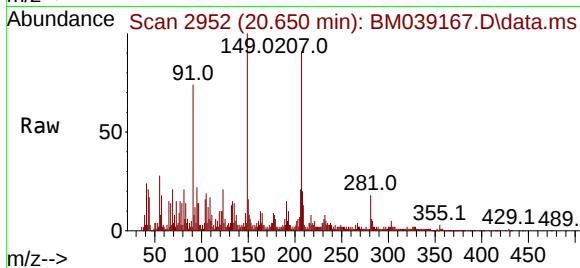
Tgt Ion:149 Resp: 116634

Ion Ratio Lower Upper

149 100

91 73.5 58.4 87.6

206 21.5 16.1 24.1



#81

Benzo(a)anthracene

Concen: 16.351 ng

RT: 21.497 min Scan# 3096

Delta R.T. -0.000 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

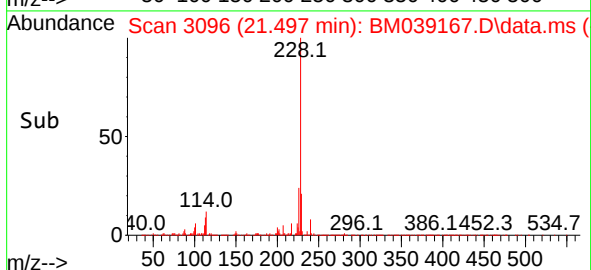
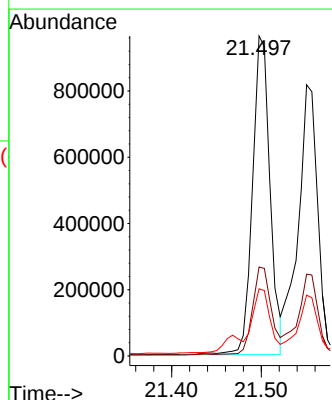
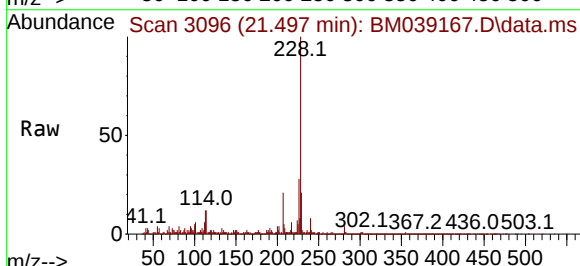
Tgt Ion:228 Resp: 1306608

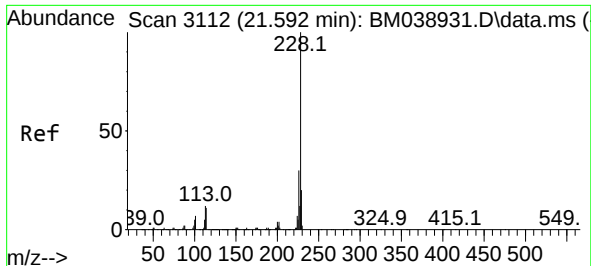
Ion Ratio Lower Upper

228 100

226 27.8 21.4 32.2

229 21.0 15.7 23.5

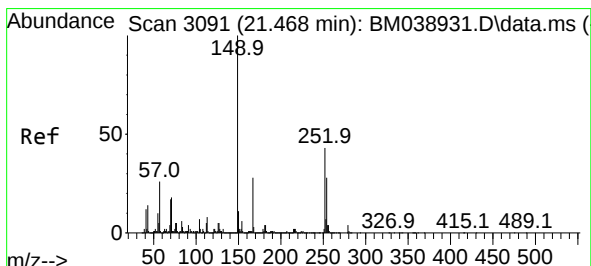
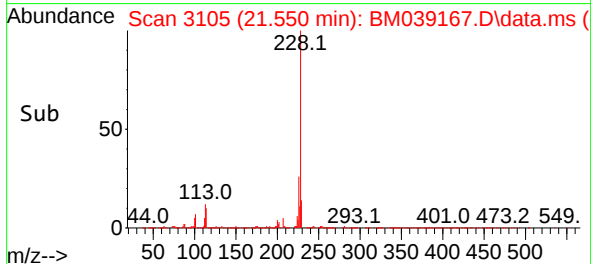
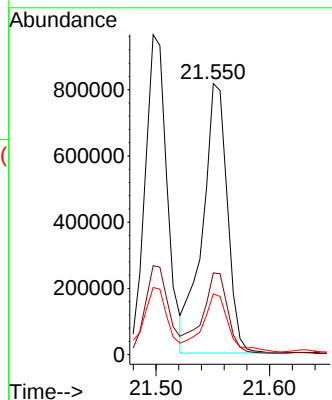
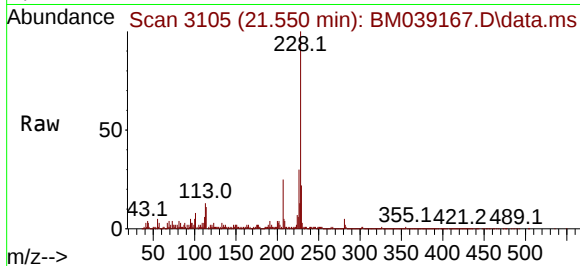




#83
Chrysene
Concen: 15.884 ng
RT: 21.550 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

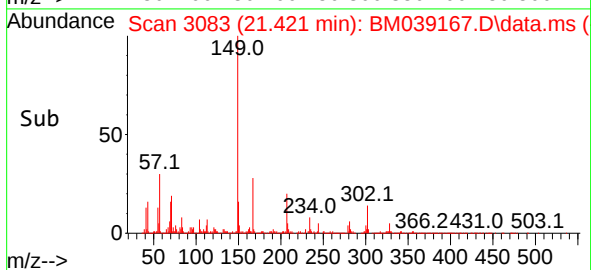
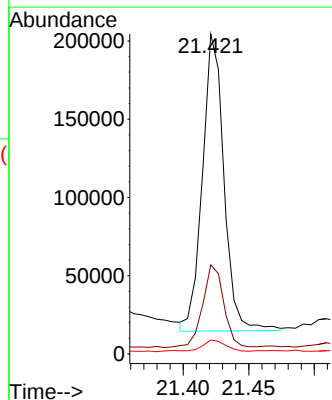
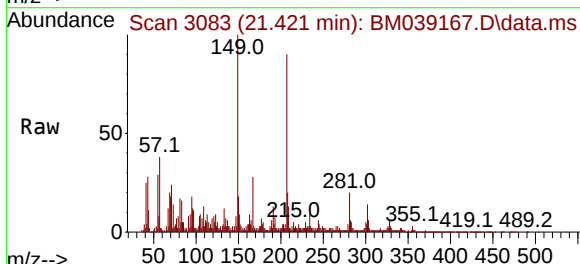
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1

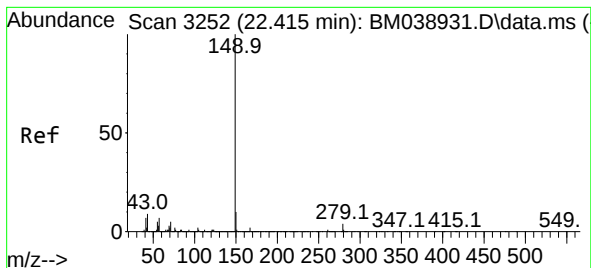
Tgt Ion:228 Resp: 1234476
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.5 16.0 24.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.500 ng
RT: 21.421 min Scan# 3083
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

Tgt Ion:149 Resp: 216960
Ion Ratio Lower Upper
149 100
167 27.9 22.3 33.5
279 4.4 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 3.869 ng

RT: 22.362 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP1

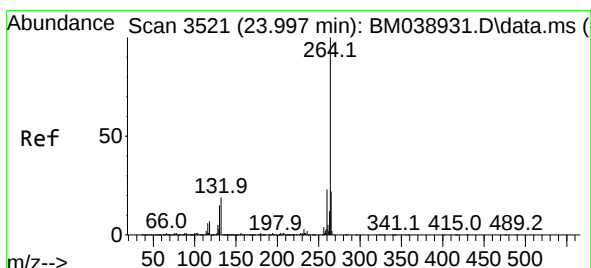
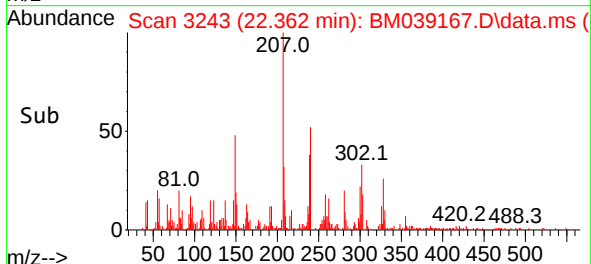
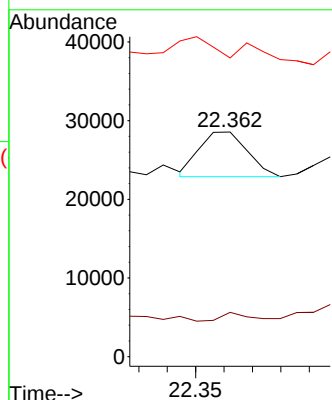
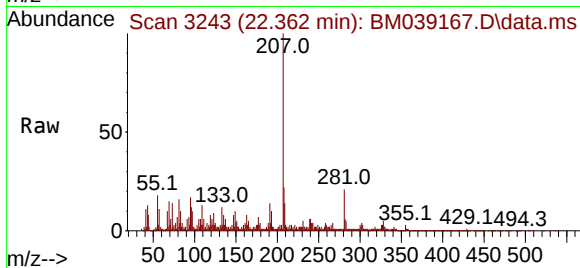
Tgt Ion:149 Resp: 6690

Ion Ratio Lower Upper

149 100

167 10.9 1.2 1.8#

43 36.5 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.944 min Scan# 3512

Delta R.T. 0.006 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

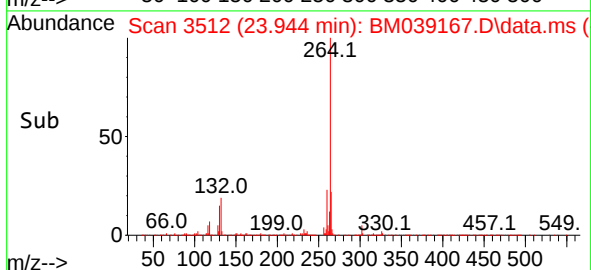
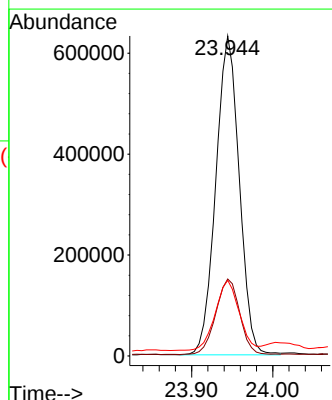
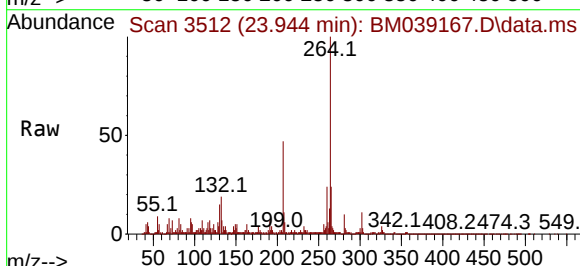
Tgt Ion:264 Resp: 1268993

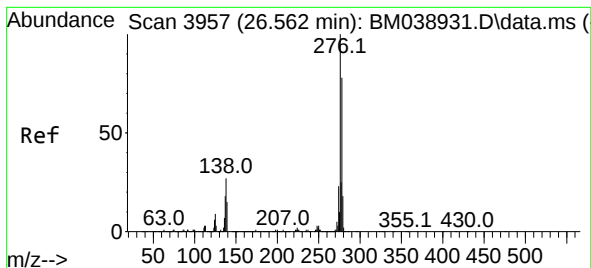
Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 23.7 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.113 ng

RT: 26.468 min Scan# 3941

Delta R.T. -0.000 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP1

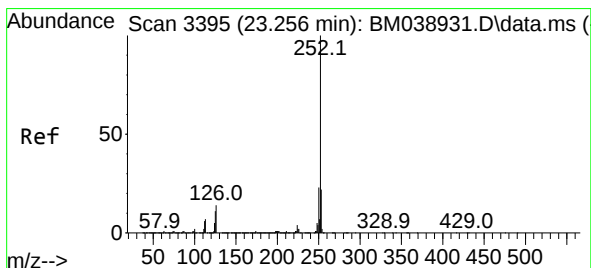
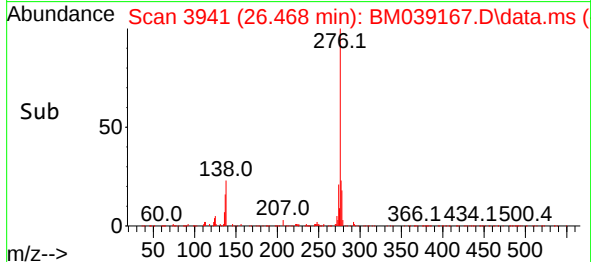
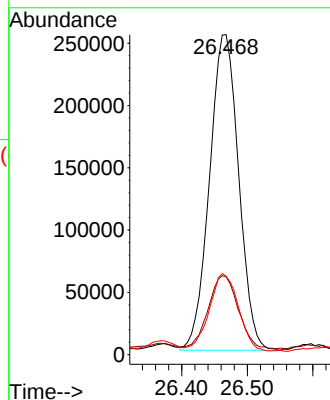
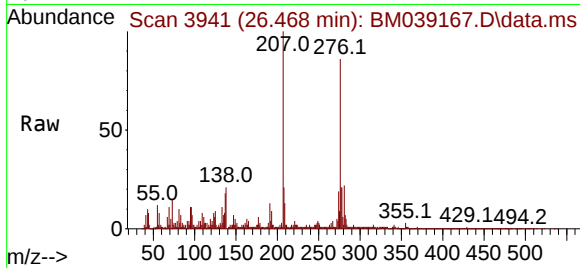
Tgt Ion:276 Resp: 783405

Ion Ratio Lower Upper

276 100

138 23.6 22.1 33.1

277 24.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 19.432 ng

RT: 23.203 min Scan# 3386

Delta R.T. 0.006 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

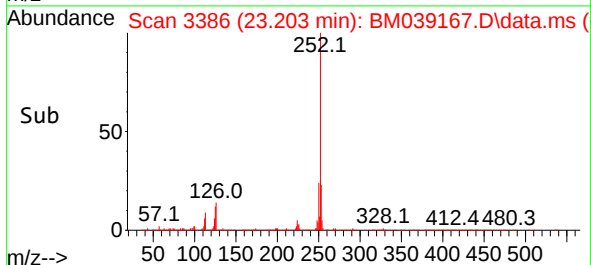
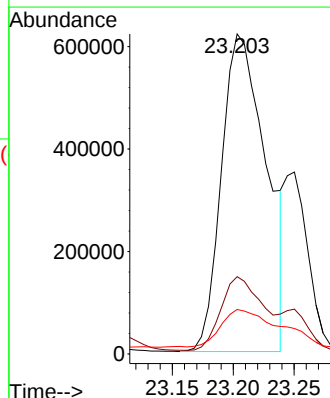
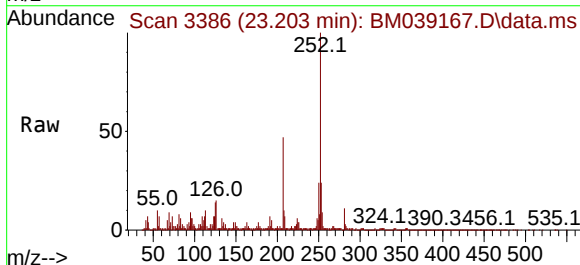
Tgt Ion:252 Resp: 1575405

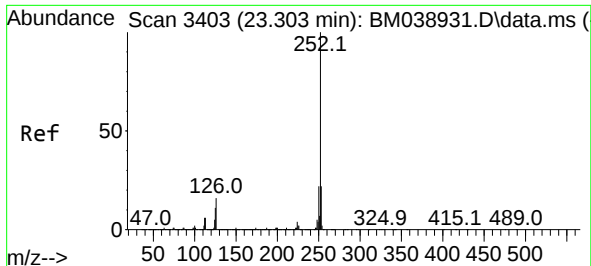
Ion Ratio Lower Upper

252 100

253 24.1 17.6 26.4

125 13.9 8.8 13.2#

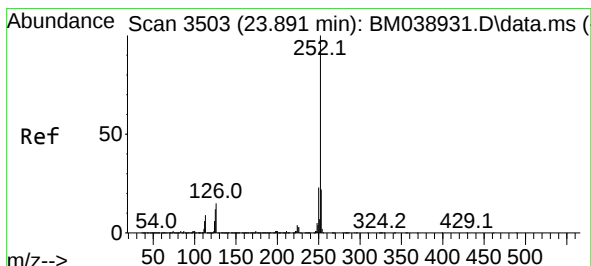
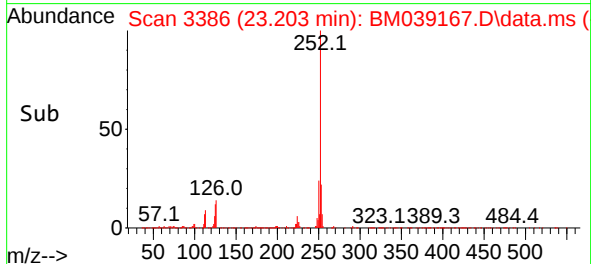
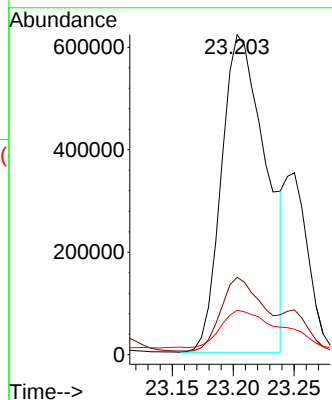
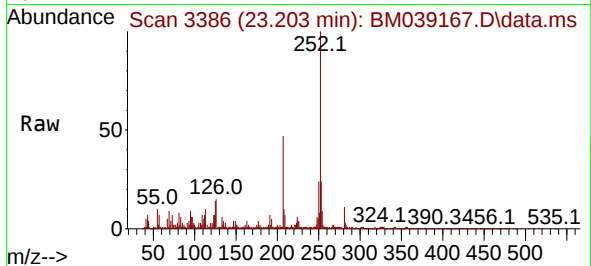




#89
Benzo(k)fluoranthene
Concen: 18.672 ng
RT: 23.203 min Scan# 31
Delta R.T. -0.047 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

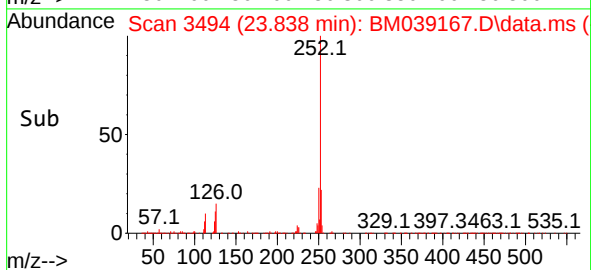
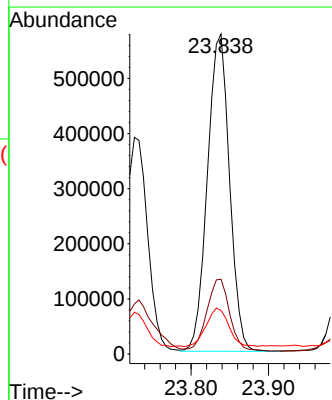
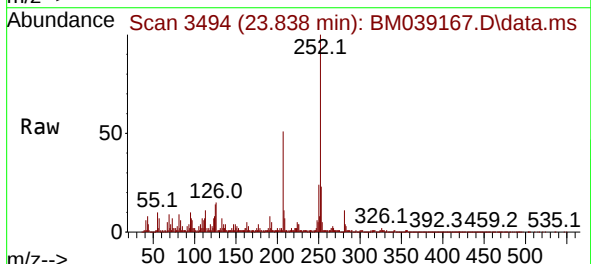
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1

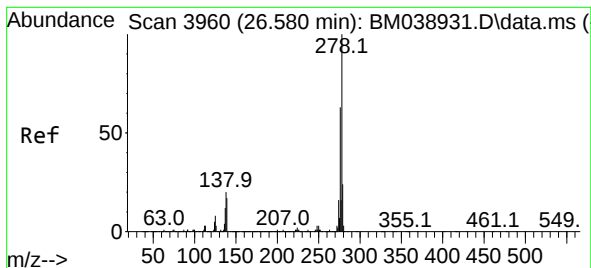
Tgt Ion:252 Resp: 1575405
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 13.9 8.9 13.3#



#90
Benzo(a)pyrene
Concen: 14.611 ng
RT: 23.838 min Scan# 3494
Delta R.T. 0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

Tgt Ion:252 Resp: 1139992
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 13.6 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 2.685 ng

RT: 26.474 min Scan# 3960

Delta R.T. -0.006 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP1

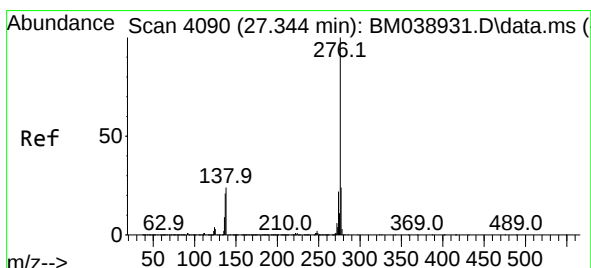
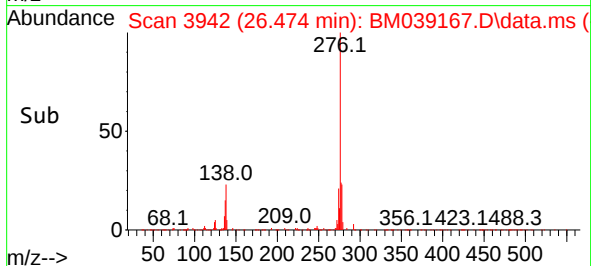
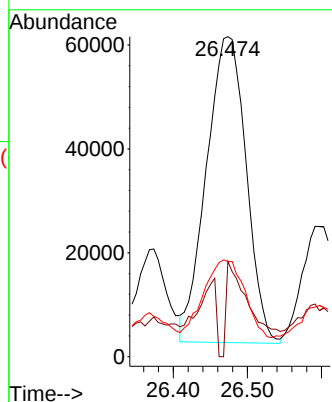
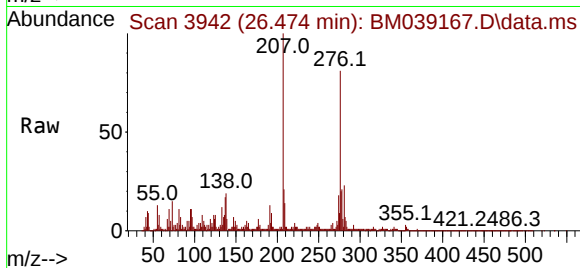
Tgt Ion:278 Resp: 219539

Ion Ratio Lower Upper

278 100

139 29.8 13.7 20.5#

279 29.7 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 9.844 ng

RT: 27.244 min Scan# 4073

Delta R.T. -0.000 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

Tgt Ion:276 Resp: 787595

Ion Ratio Lower Upper

276 100

277 24.5 19.3 28.9

138 25.1 19.0 28.6

