

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039567.D
 Acq On : 22 Apr 2023 00:41
 Operator : CG/JU
 Sample : 02386-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SPA-5WC-23-04

Quant Time: Apr 22 01:50:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 21 12:46:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.831	152	139800	20.000	ng	0.01
21) Naphthalene-d8	10.642	136	561539	20.000	ng	# 0.01
39) Acenaphthene-d10	14.495	164	348852	20.000	ng	0.02
64) Phenanthrene-d10	17.265	188	525406	20.000	ng	# 0.04
76) Chrysene-d12	21.477	240	313069	20.000	ng	# 0.05
86) Perylene-d12	23.883	264	431998	20.000	ng	# 0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.401	112	537151	62.776	ng	0.01
7) Phenol-d6	7.019	99	771239	61.331	ng	0.01
23) Nitrobenzene-d5	9.001	82	607747	53.000	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	197578	43.646	ng	0.09
45) 2-Fluorobiphenyl	13.107	172	1010159	40.065	ng	0.00
79) Terphenyl-d14	19.895	244	839199	48.358	ng	0.03
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.131	88	44718	12.650	ng	# 1
6) Aniline	7.166	93	180903	11.403	ng	# 83
9) Benzaldehyde	6.966	77	408430	62.990	ng	# 1
10) Phenol	7.054	94	58905	4.775	ng	# 1
11) bis(2-Chloroethyl)ether	7.254	93	252742	23.890	ng	# 27
12) 1,3-Dichlorobenzene	7.719	146	1164212	115.140	ng	100
13) 1,4-Dichlorobenzene	7.872	146	4922229	485.576	ng	99
14) 1,2-Dichlorobenzene	8.190	146	4329551	430.063	ng	99
15) Benzyl Alcohol	8.101	79	85988	9.381	ng	# 66
17) 2-Methylphenol	8.295	107	38959	4.277	ng	# 43
18) Hexachloroethane	8.937	117	653312	162.094	ng	# 1
19) n-Nitroso-di-n-propyla...	8.701	70	376312	39.549	ng	# 56
20) 3+4-Methylphenols	8.637	107	53501	4.273	ng	# 1
22) Acetophenone	8.631	105	1729139	116.203	ng	# 57
24) Nitrobenzene	9.025	77	104097	9.217	ng	# 23
25) Isophorone	9.548	82	220542	9.286	ng	# 1
26) 2-Nitrophenol	9.748	139	16765	3.290	ng	# 1
27) 2,4-Dimethylphenol	9.831	122	178659	20.285	ng	# 52
28) bis(2-Chloroethoxy)met...	10.048	93	60008	4.445	ng	# 1
29) 2,4-Dichlorophenol	10.301	162	18759	2.200	ng	# 48
30) 1,2,4-Trichlorobenzene	10.507	180	1780452	197.251	ng	99
31) Naphthalene	10.695	128	7492764	246.945	ng	98
32) Benzoic acid	10.142	122	62204	13.648	ng	# 31
33) 4-Chloroaniline	10.760	127	60890	4.750	ng	# 48
34) Hexachlorobutadiene	10.960	225	11491	2.144	ng	97
35) Caprolactam	11.660	113	179089	52.655	ng	# 31
37) 2-Methylnaphthalene	12.313	142	6253347	280.444	ng	100
38) 1-Methylnaphthalene	12.530	142	3688718	175.553	ng	100
40) 1,2,4,5-Tetrachloroben...	12.677	216	55031	5.408	ng	# 80
46) 1,1'-Biphenyl	13.324	154	4931283	183.484	ng	99
48) 2-Nitroaniline	13.607	65	42406	6.207	ng	# 29
49) Acenaphthylene	14.219	152	194157	5.681	ng	# 1
50) Dimethylphthalate	13.907	163	86806	3.074	ng	# 1
52) Acenaphthene	14.560	154	317691	15.701	ng	95
53) 3-Nitroaniline	14.448	138	26624	4.346	ng	# 55
54) 2,4-Dinitrophenol	14.648	184	16887	9.894	ng	# 1

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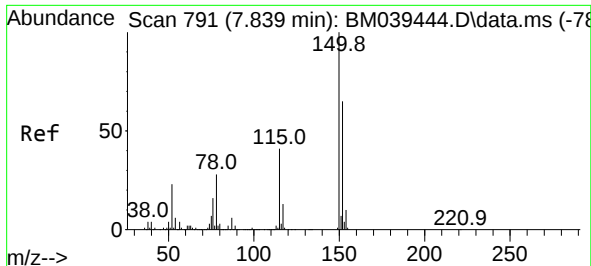
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Dibenzofuran	14.895	168	367509	11.303	ng	# 27
56) 4-Nitrophenol	14.783	139	40612	13.002	ng	# 14
57) 2,4-Dinitrotoluene	14.901	165	88572	10.793	ng	# 67
58) Fluorene	15.548	166	711993	26.999	ng	# 91
62) 4-Nitroaniline	15.371	138	34246	8.186	ng	95
63) Azobenzene	16.018	77	1870788	65.575	ng	76
65) 4,6-Dinitro-2-methylph...	15.666	198	13392	4.071	ng	# 1
66) n-Nitrosodiphenylamine	15.760	169	716783	44.998	ng	# 77
71) Phenanthrene	17.307	178	2790308	97.937	ng	96
72) Anthracene	17.395	178	2790156	95.471	ng	# 97
73) Carbazole	17.671	167	63215	2.378	ng	# 1
74) Di-n-butylphthalate	18.230	149	1346640	36.445	ng	# 89
75) Fluoranthene	19.330	202	1096484	31.722	ng	86
77) Benzidine	19.471	184	52967	7.466	ng	# 1
78) Pyrene	19.701	202	1219017	52.947	ng	# 85
80) Butylbenzylphthalate	20.595	149	592900	51.932	ng	# 68
81) Benzo(a)anthracene	21.500	228	781291	35.141	ng	# 62
83) Chrysene	21.500	228	781291	36.256	ng	# 66
84) Bis(2-ethylhexyl)phtha...	21.412	149	17625542	1012.772	ng	# 92
85) Di-n-octyl phthalate	22.300	149	3034076	101.383	ng	# 79
87) Indeno(1,2,3-cd)pyrene	26.377	276	203558	6.412	ng	# 87
88) Benzo(b)fluoranthene	23.153	252	508200	19.294	ng	# 1
89) Benzo(k)fluoranthene	23.153	252	508200	18.455	ng	# 1
90) Benzo(a)pyrene	23.783	252	275553	10.526	ng	# 1
91) Dibenzo(a,h)anthracene	26.377	278	63855	2.420	ng	# 1
92) Benzo(g,h,i)perylene	27.147	276	260435	9.958	ng	# 40

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

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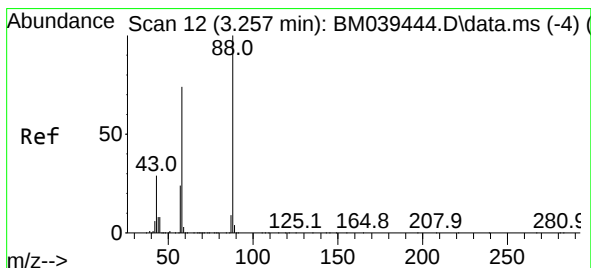
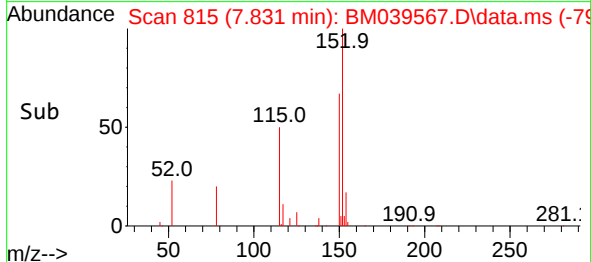
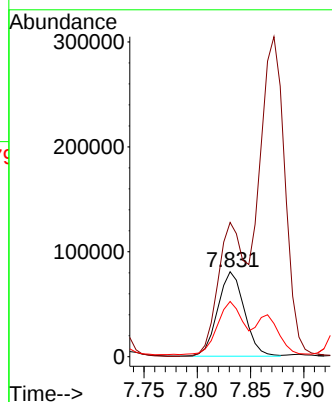
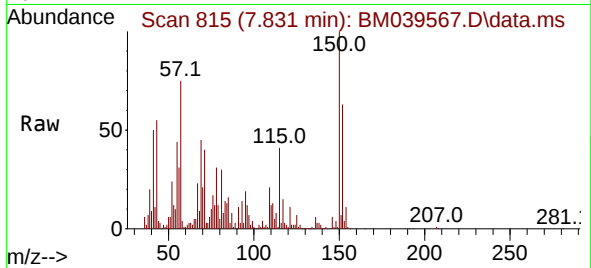




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.831 min Scan# 81
 Delta R.T. 0.012 min
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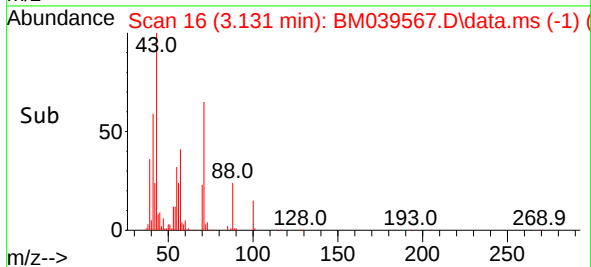
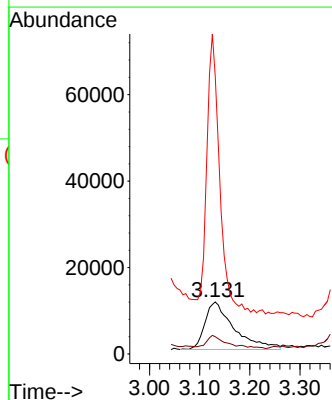
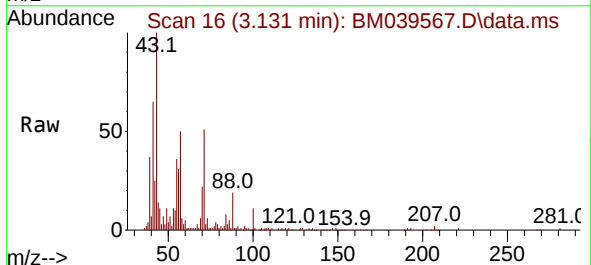
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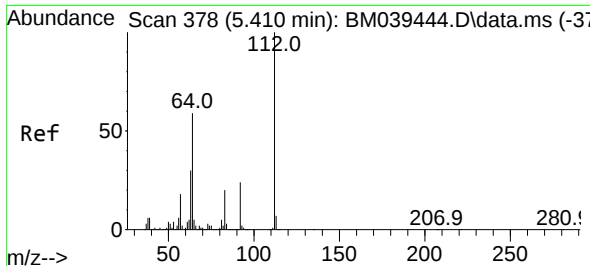
Tgt Ion:152 Resp: 139800
 Ion Ratio Lower Upper
 152 100
 150 158.1 123.0 184.4
 115 65.0 49.9 74.9



#2
 1,4-Dioxane
 Concen: 12.650 ng
 RT: 3.131 min Scan# 16
 Delta R.T. -0.118 min
 Lab File: BM039567.D
 Acq: 22 Apr 2023 00:41

Tgt Ion: 88 Resp: 44718
 Ion Ratio Lower Upper
 88 100
 58 20.0 59.4 89.2#
 43 255.2 23.4 35.2#

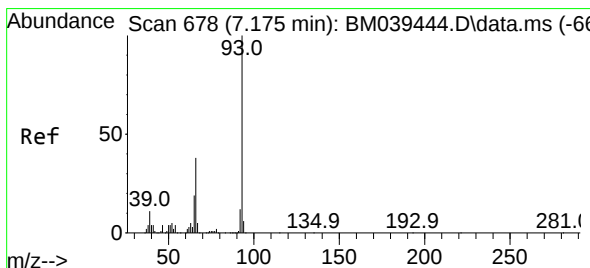
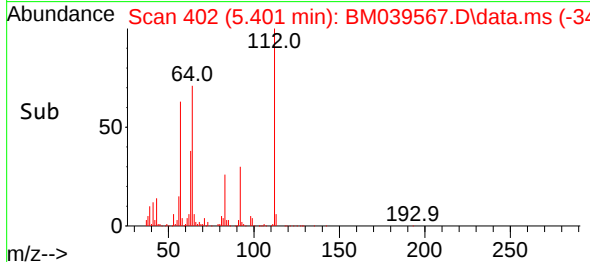
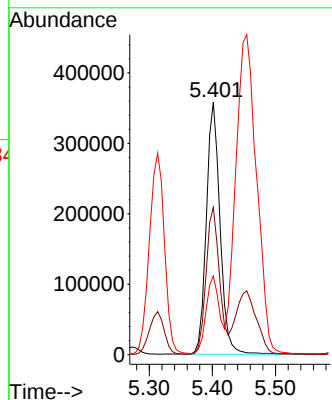
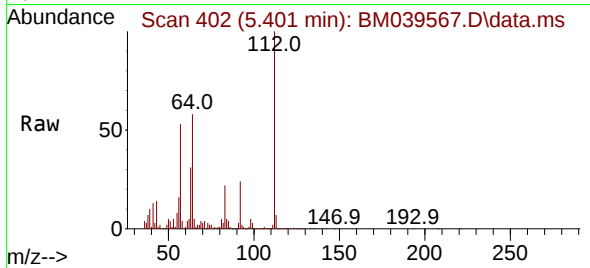




#5
2-Fluorophenol
Concen: 62.776 ng
RT: 5.401 min Scan# 402
Delta R.T. 0.012 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

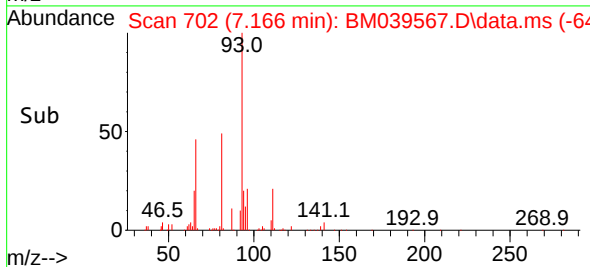
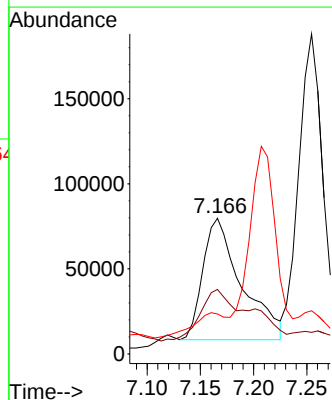
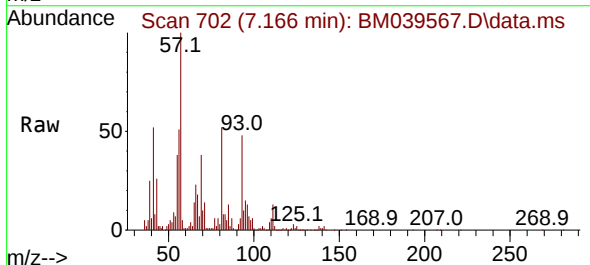
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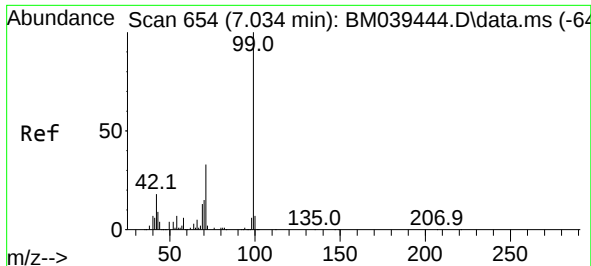
Tgt Ion:112 Resp: 537151
Ion Ratio Lower Upper
112 100
64 58.4 47.0 70.4
63 31.2 24.2 36.4



#6
Aniline
Concen: 11.403 ng
RT: 7.166 min Scan# 702
Delta R.T. 0.012 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion: 93 Resp: 180903
Ion Ratio Lower Upper
93 100
66 47.5 30.6 46.0#
65 29.5 15.7 23.5#

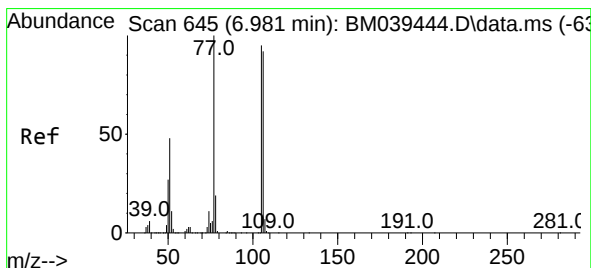
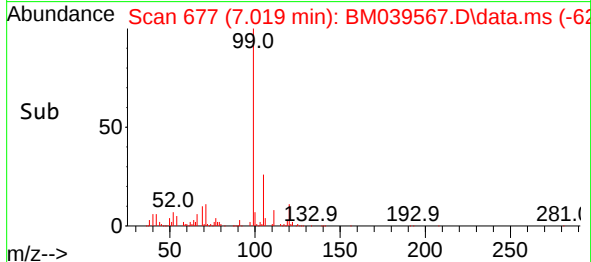
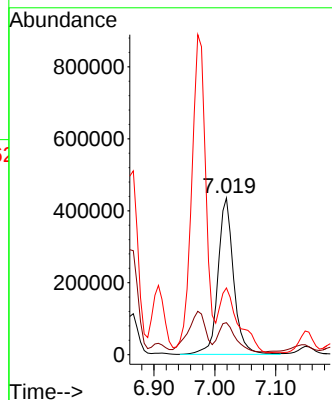
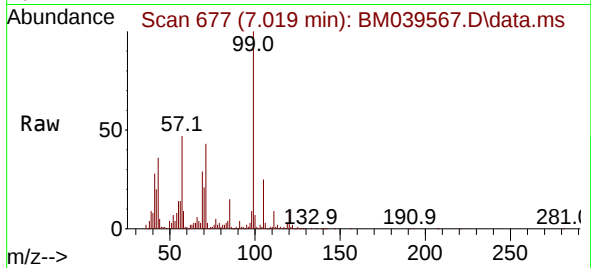




#7
Phenol-d6
Concen: 61.331 ng
RT: 7.019 min Scan# 61
Delta R.T. 0.012 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

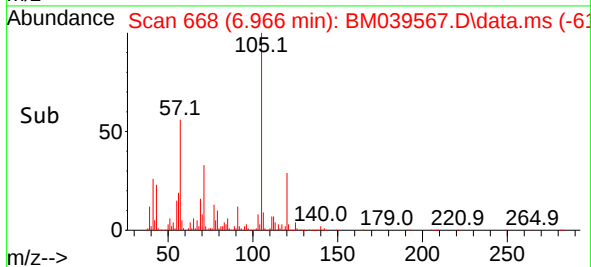
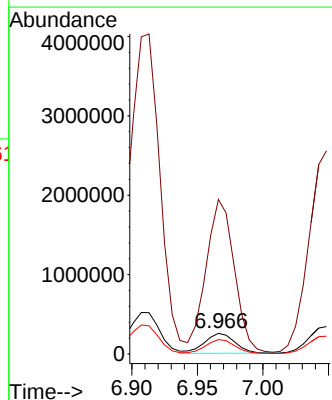
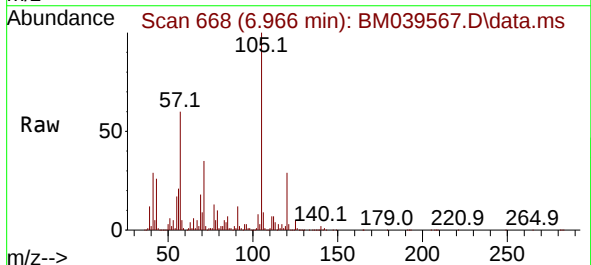
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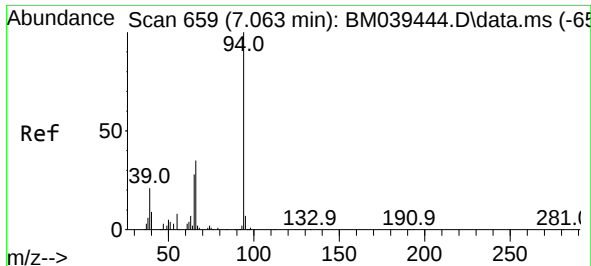
Tgt Ion: 99 Resp: 771239
Ion Ratio Lower Upper
99 100
42 20.4 14.2 21.4
71 42.6 26.8 40.2#



#9
Benzaldehyde
Concen: 62.990 ng
RT: 6.966 min Scan# 668
Delta R.T. 0.000 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion: 77 Resp: 408430
Ion Ratio Lower Upper
77 100
105 747.5 75.3 115.3#
106 69.6 71.9 111.9#

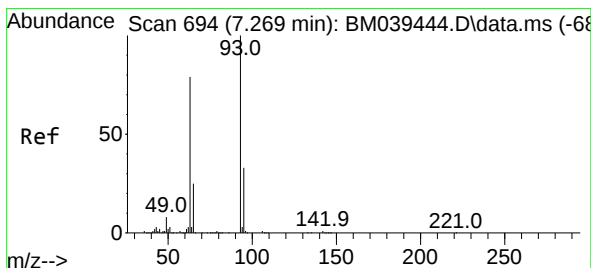
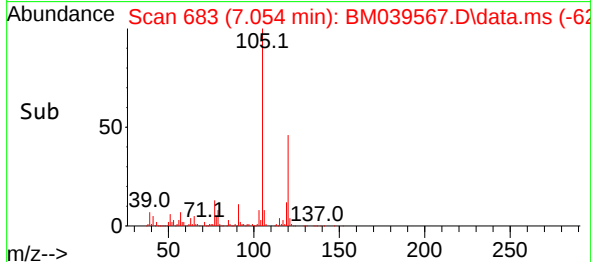
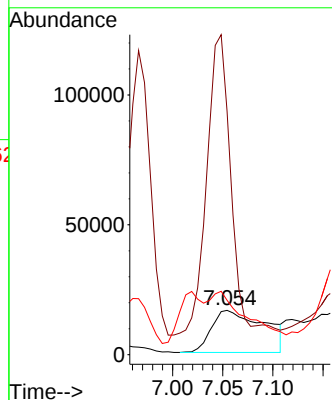
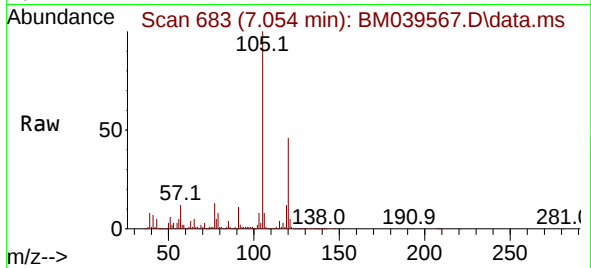




#10
Phenol
Concen: 4.775 ng
RT: 7.054 min Scan# 61
Delta R.T. 0.024 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

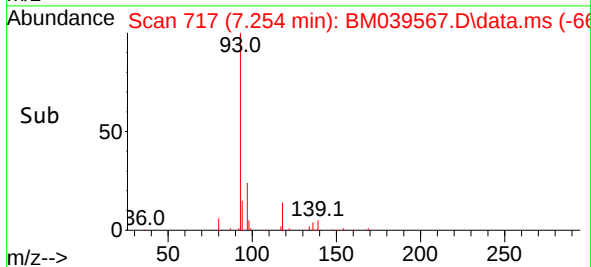
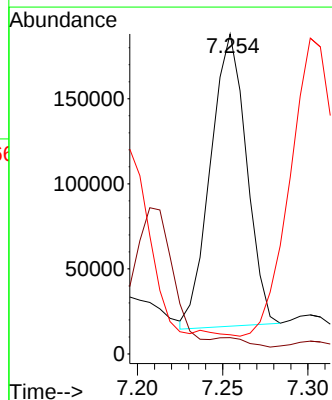
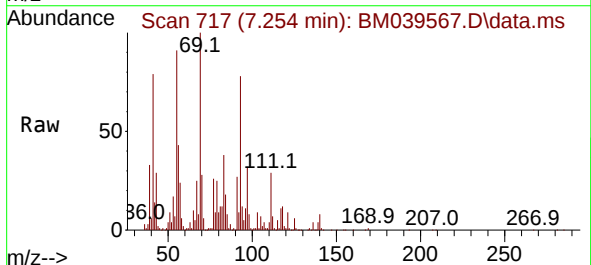
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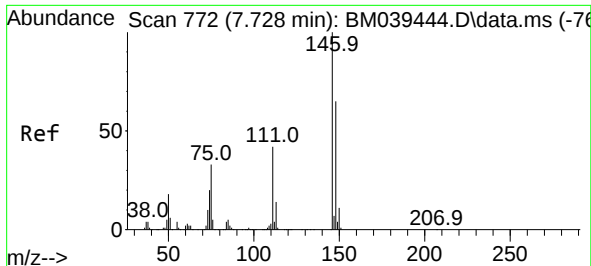
Tgt Ion: 94 Resp: 58905
Ion Ratio Lower Upper
94 100
65 547.9 8.2 48.2#
66 122.7 16.7 56.7#



#11
bis(2-Chloroethyl)ether
Concen: 23.890 ng
RT: 7.254 min Scan# 717
Delta R.T. 0.000 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion: 93 Resp: 252742
Ion Ratio Lower Upper
93 100
63 5.1 58.1 98.1#
95 6.0 12.4 52.4#

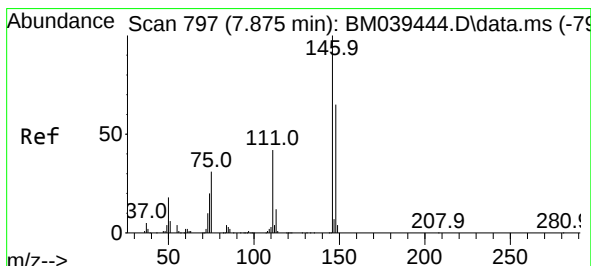
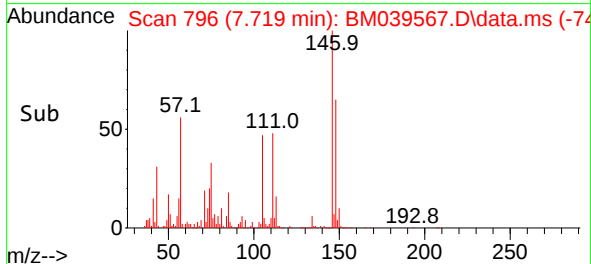
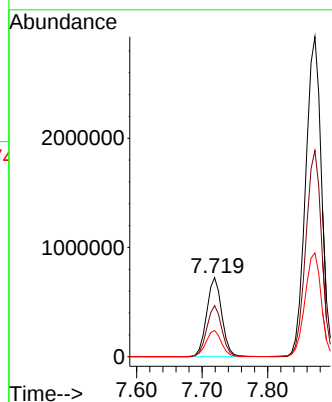
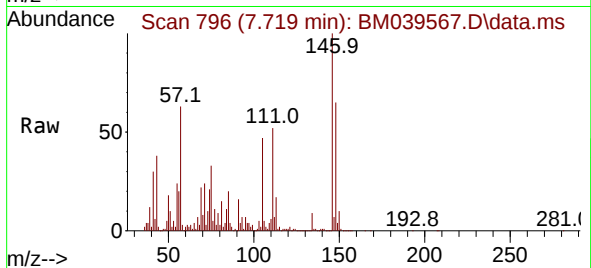




#12
1,3-Dichlorobenzene
Concen: 115.140 ng
RT: 7.719 min Scan# 719
Delta R.T. 0.012 min
Lab File: BM039567.D
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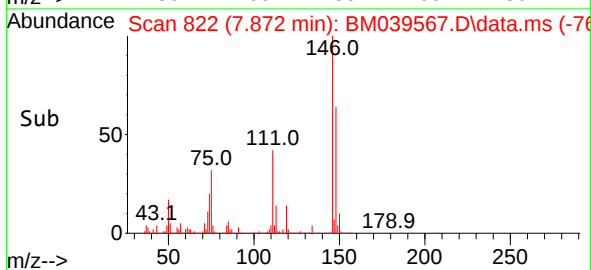
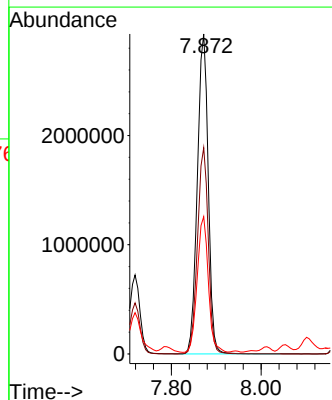
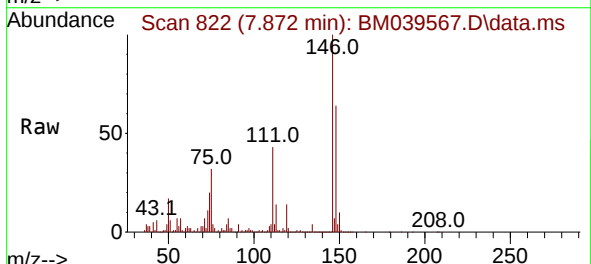
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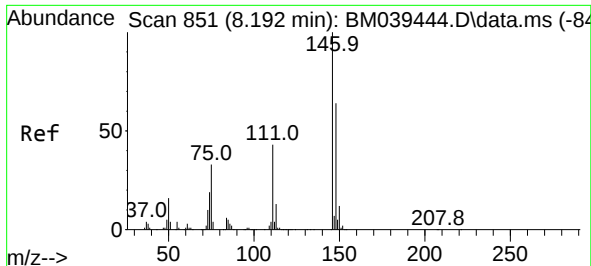
Tgt Ion:146 Resp: 1164212
Ion Ratio Lower Upper
146 100
148 64.6 52.0 78.0
75 33.2 26.6 39.8



#13
1,4-Dichlorobenzene
Concen: 485.576 ng
RT: 7.872 min Scan# 822
Delta R.T. 0.018 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:146 Resp: 4922229
Ion Ratio Lower Upper
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148 64.5 51.7 77.5
111 42.9 33.5 50.3

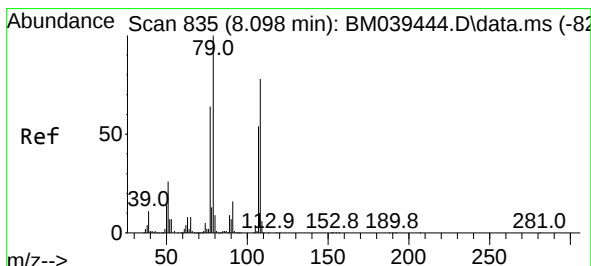
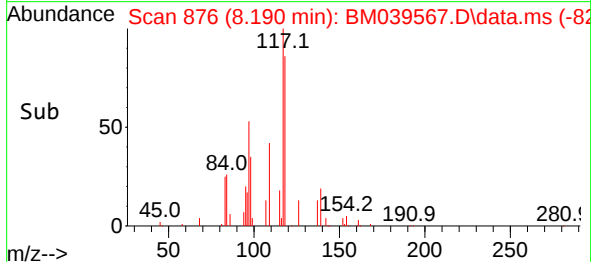
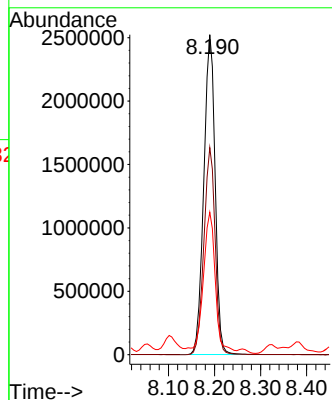
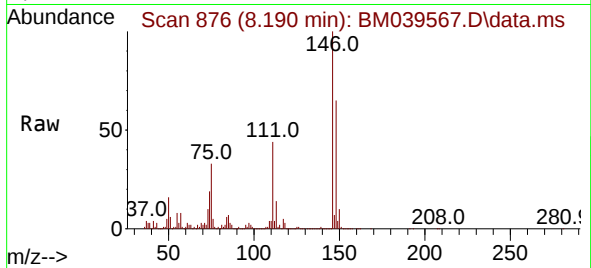




#14
1,2-Dichlorobenzene
Concen: 430.063 ng
RT: 8.190 min Scan# 81
Delta R.T. 0.018 min
Lab File: BM039567.D
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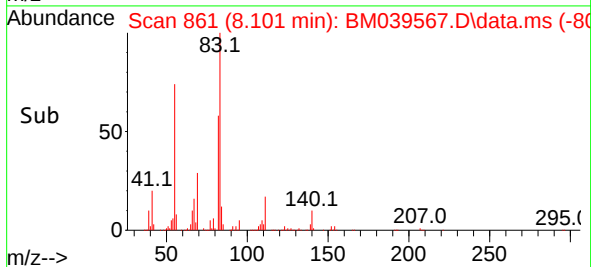
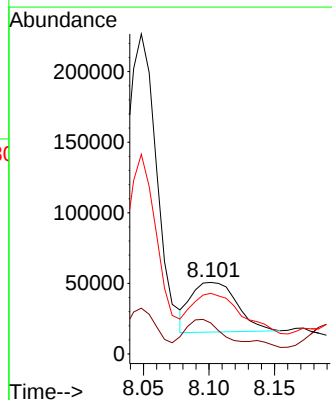
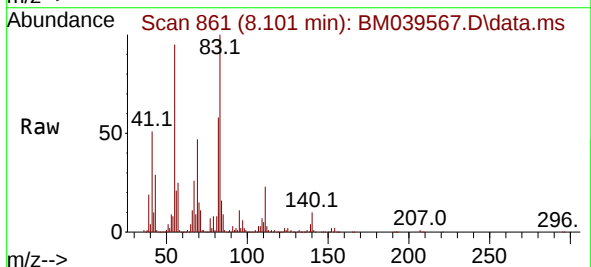
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ClientSampleId :
SPA-5WC-23-04

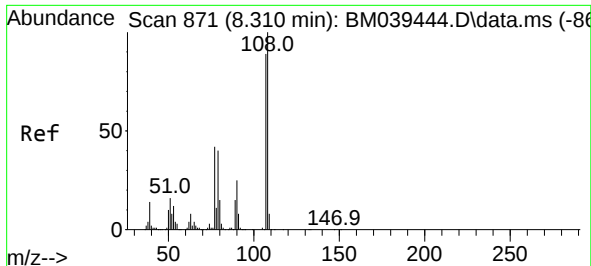
Tgt Ion:146 Resp: 4329551
Ion Ratio Lower Upper
146 100
148 64.7 51.4 77.2
111 44.5 34.3 51.5



#15
Benzyl Alcohol
Concen: 9.381 ng
RT: 8.101 min Scan# 861
Delta R.T. 0.024 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion: 79 Resp: 85988
Ion Ratio Lower Upper
79 100
108 43.4 62.6 93.8#
77 84.8 51.5 77.3#

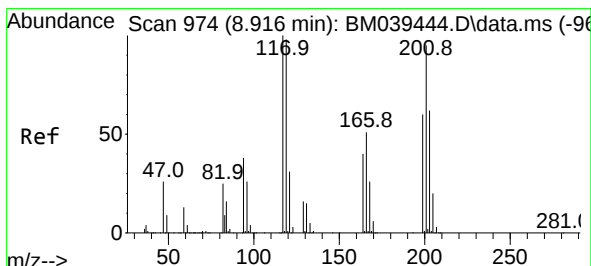
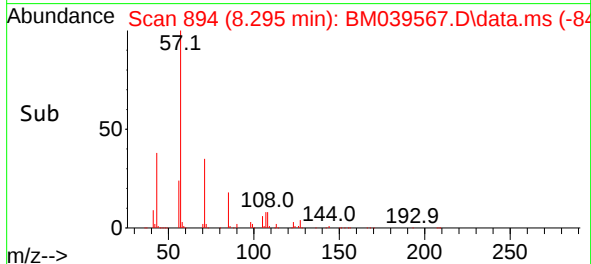
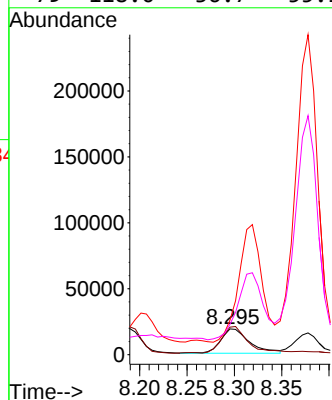
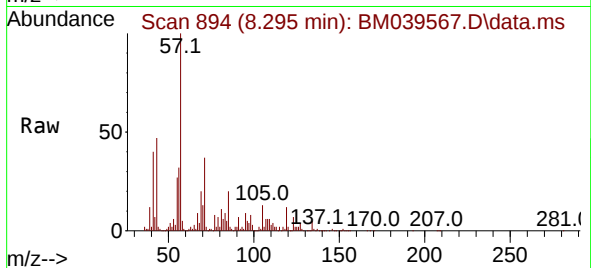




#17
2-Methylphenol
Concen: 4.277 ng
RT: 8.295 min Scan# 894
Delta R.T. 0.012 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

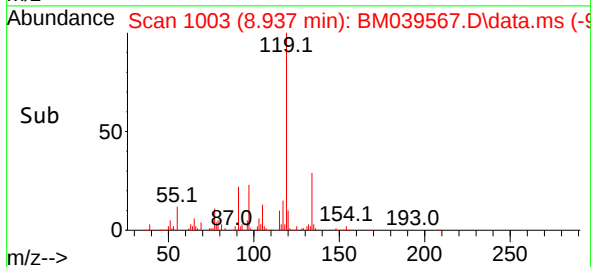
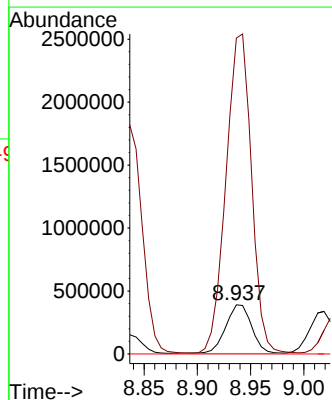
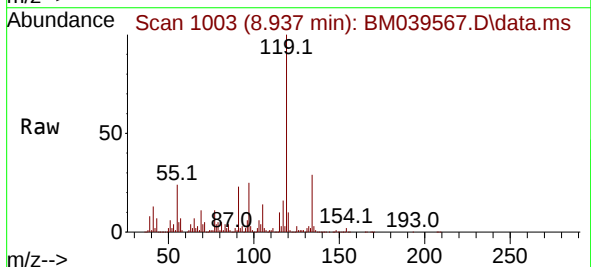
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

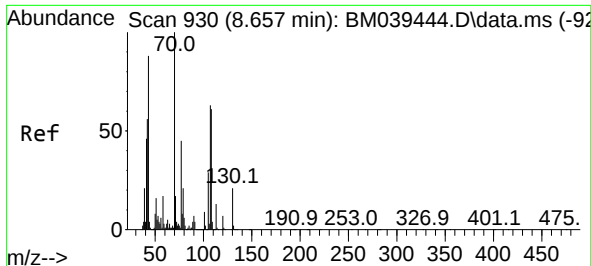
Tgt Ion:107 Resp: 38959
Ion Ratio Lower Upper
107 100
108 106.6 90.3 135.5
77 133.6 38.6 58.0#
79 118.0 36.7 55.1#



#18
Hexachloroethane
Concen: 162.094 ng
RT: 8.937 min Scan# 1003
Delta R.T. 0.041 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:117 Resp: 653312
Ion Ratio Lower Upper
117 100
119 643.5 78.2 117.2#
201 0.0 76.0 114.0#





#19

n-Nitroso-di-n-propylamine

Concen: 39.549 ng

RT: 8.701 min Scan# 9

Delta R.T. 0.059 min

Lab File: BM039567.D

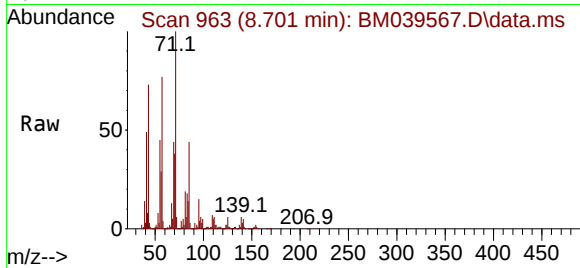
Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04



Tgt Ion: 70 Resp: 376312

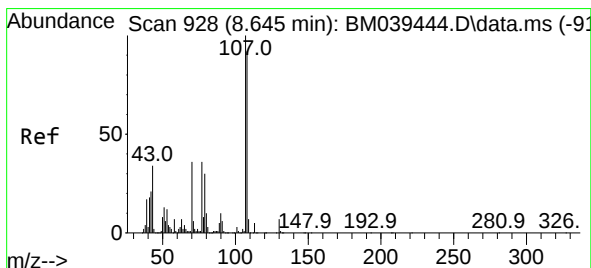
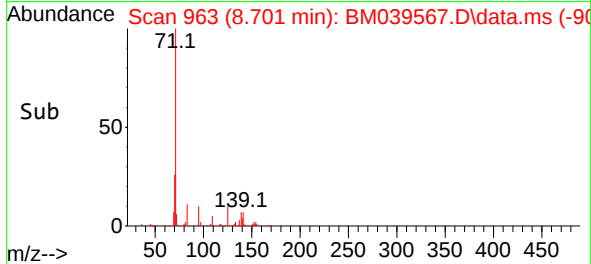
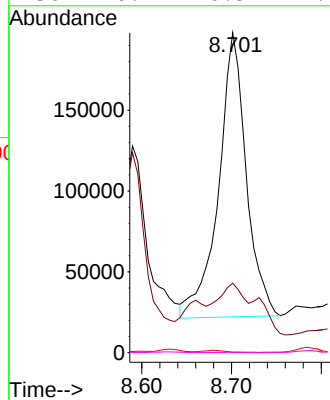
Ion Ratio Lower Upper

70 100

42 21.7 44.7 67.1#

101 0.2 7.5 11.3#

130 0.1 16.5 24.7#



#20

3+4-Methylphenols

Concen: 4.273 ng

RT: 8.637 min Scan# 952

Delta R.T. 0.024 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Tgt Ion: 107 Resp: 53501

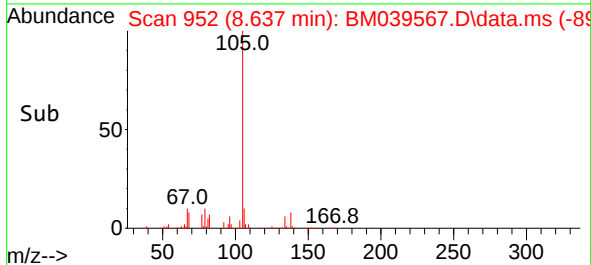
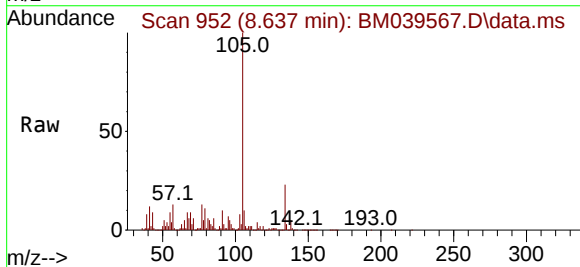
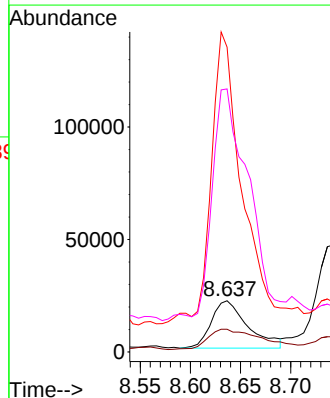
Ion Ratio Lower Upper

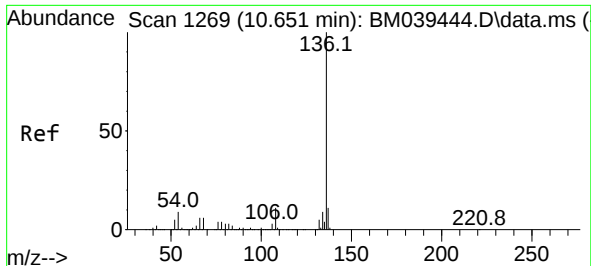
107 100

108 44.3 71.6 111.6#

77 595.1 16.2 56.2#

79 513.6 10.0 50.0#

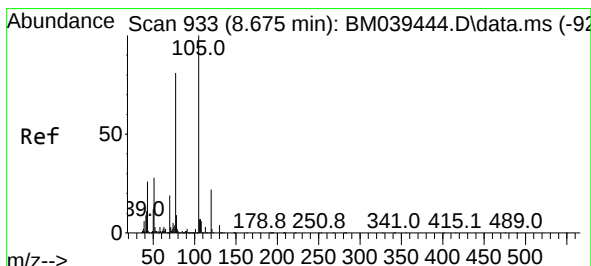
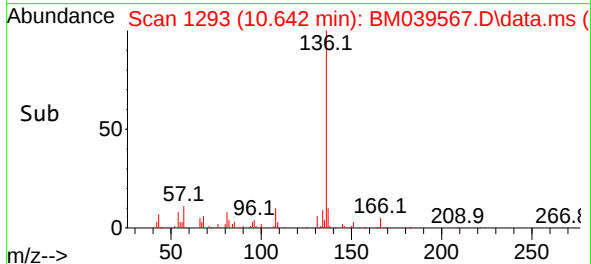
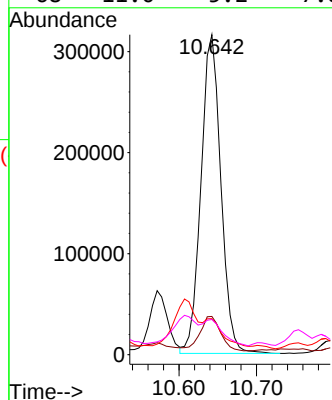
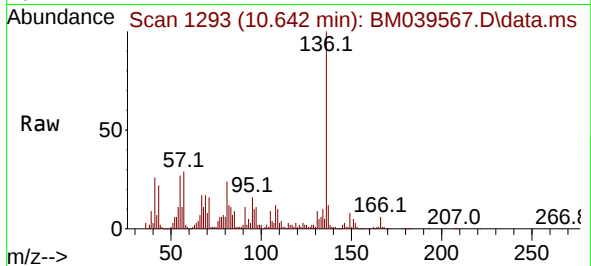




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.642 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

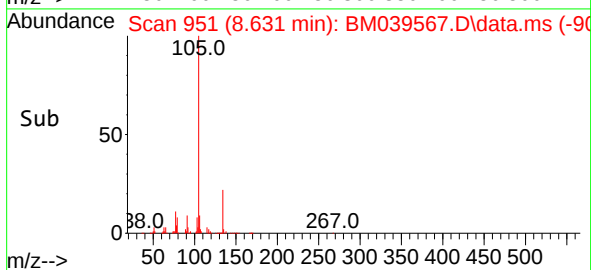
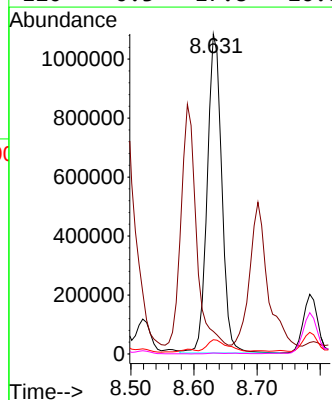
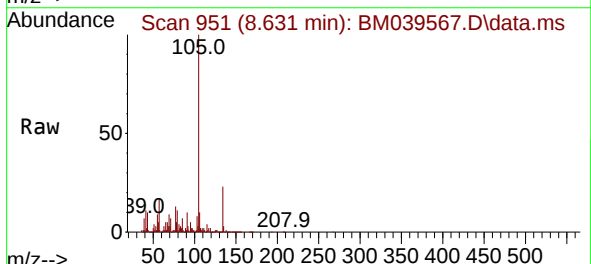
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

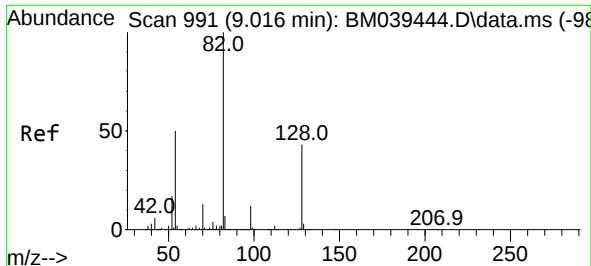
Tgt Ion:136 Resp: 561539
Ion Ratio Lower Upper
136 100
137 12.0 8.6 13.0
54 11.3 6.9 10.3#
68 11.0 5.2 7.8#



#22
Acetophenone
Concen: 116.203 ng
RT: 8.631 min Scan# 951
Delta R.T. -0.024 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:105 Resp: 1729139
Ion Ratio Lower Upper
105 100
71 7.0 2.6 3.8#
51 4.4 22.3 33.5#
120 0.3 17.8 26.8#





#23

Nitrobenzene-d5

Concen: 53.000 ng

RT: 9.001 min Scan# 1014

Delta R.T. 0.006 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

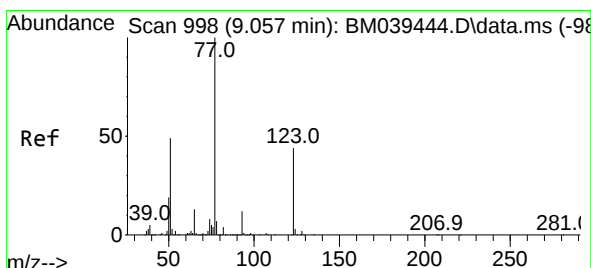
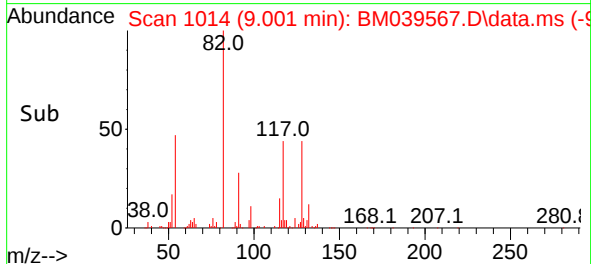
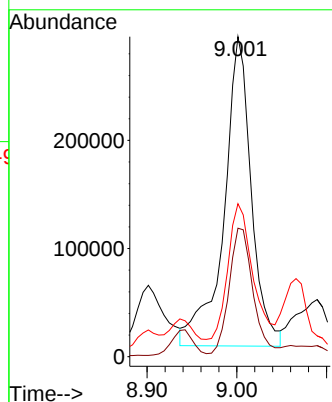
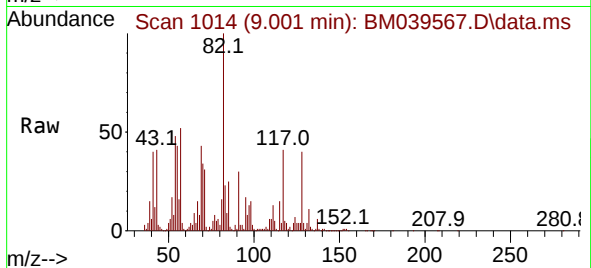
Tgt Ion: 82 Resp: 607747

Ion Ratio Lower Upper

82 100

128 40.2 34.2 51.2

54 47.8 39.7 59.5



#24

Nitrobenzene

Concen: 9.217 ng

RT: 9.025 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

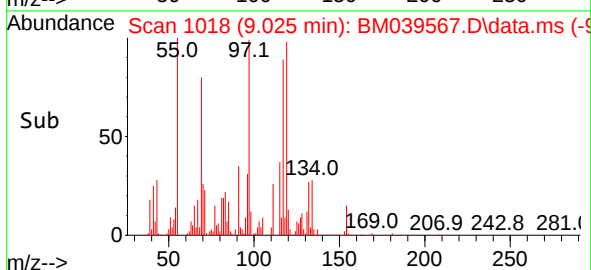
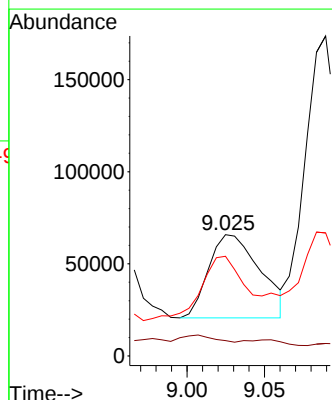
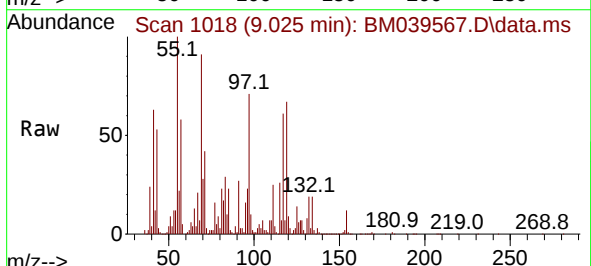
Tgt Ion: 77 Resp: 104097

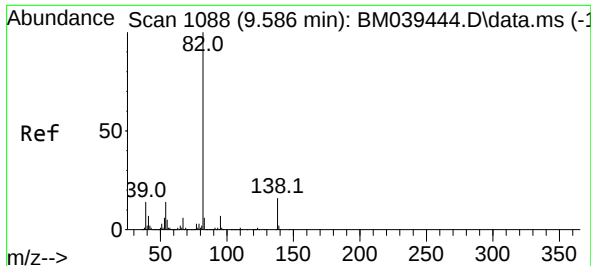
Ion Ratio Lower Upper

77 100

123 12.7 35.0 52.6#

65 82.2 10.4 15.6#





#25

Isophorone

Concen: 9.286 ng

RT: 9.548 min Scan# 1107

Delta R.T. -0.018 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

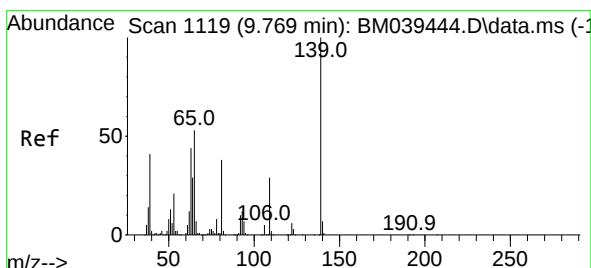
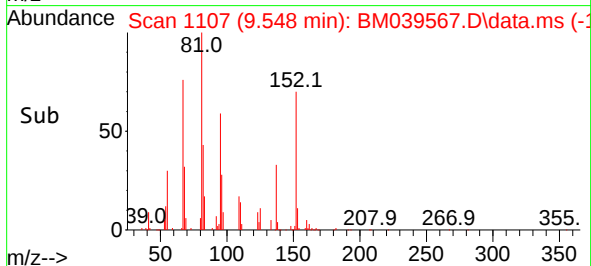
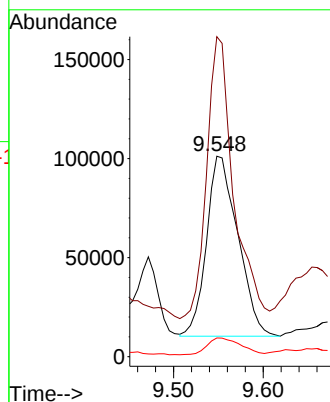
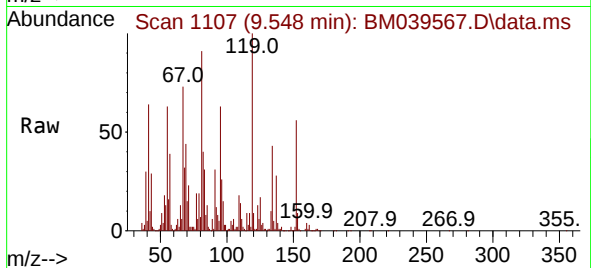
Tgt Ion: 82 Resp: 220542

Ion Ratio Lower Upper

82 100

95 159.6 5.2 7.8#

138 9.3 13.1 19.7#



#26

2-Nitrophenol

Concen: 3.290 ng

RT: 9.748 min Scan# 1141

Delta R.T. 0.000 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

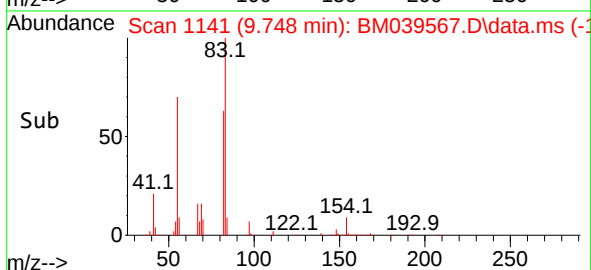
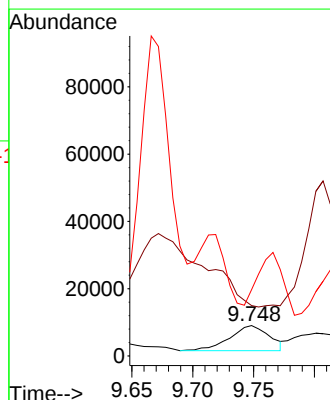
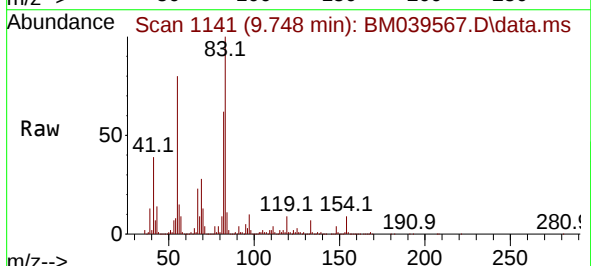
Tgt Ion:139 Resp: 16765

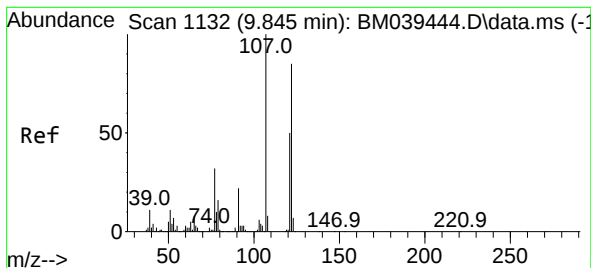
Ion Ratio Lower Upper

139 100

109 165.7 23.0 34.6#

65 217.7 42.9 64.3#





#27

2,4-Dimethylphenol

Concen: 20.285 ng

RT: 9.831 min Scan# 1115

Delta R.T. 0.012 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

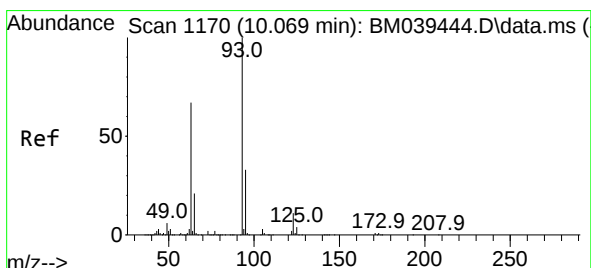
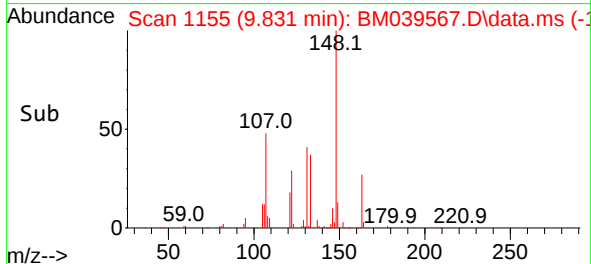
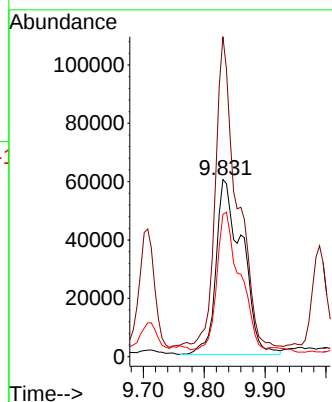
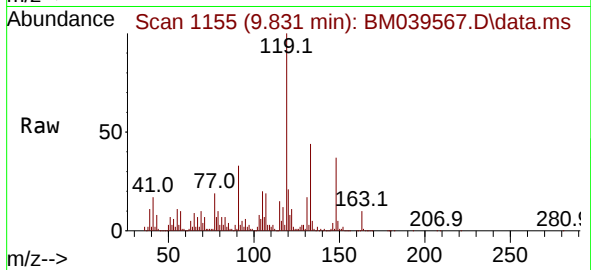
Tgt Ion:122 Resp: 178659

Ion Ratio Lower Upper

122 100

107 180.7 94.3 141.5#

121 80.3 46.7 70.1#



#28

bis(2-Chloroethoxy)methane

Concen: 4.445 ng

RT: 10.048 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

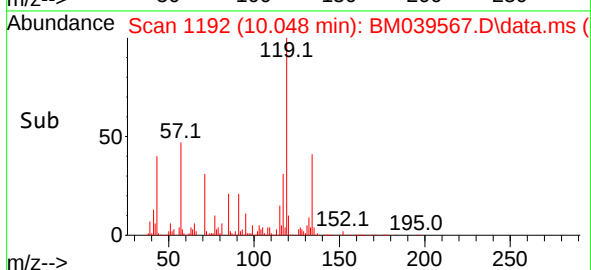
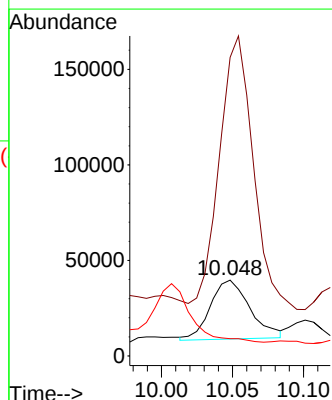
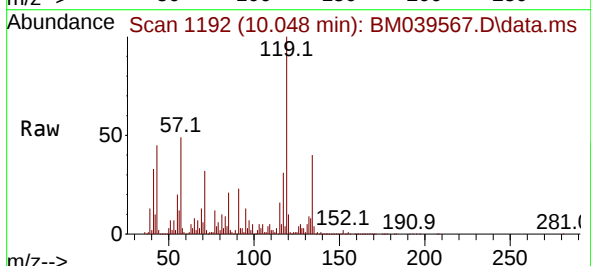
Tgt Ion: 93 Resp: 60008

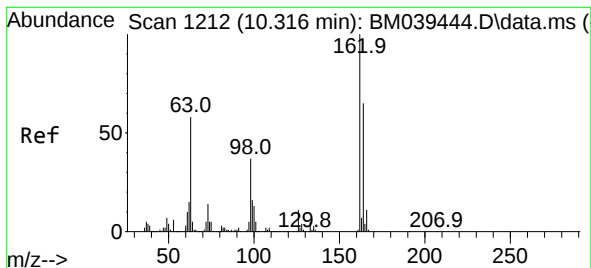
Ion Ratio Lower Upper

93 100

95 393.5 26.0 39.0#

123 22.7 8.8 13.2#

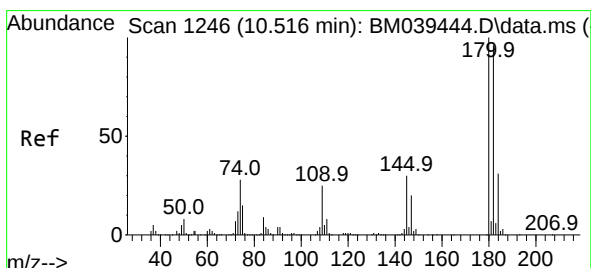
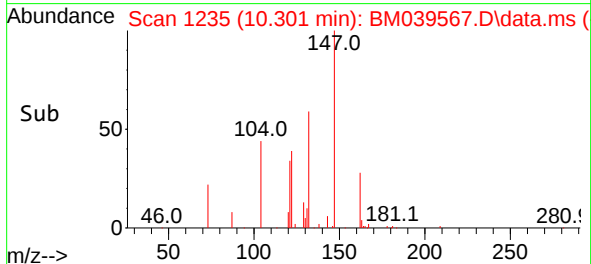
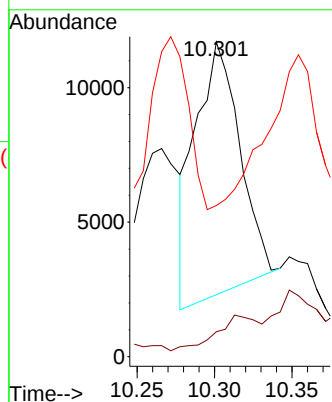
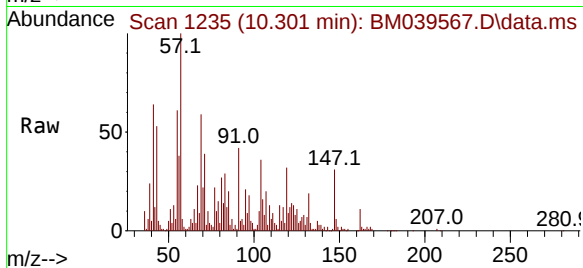




#29
2,4-Dichlorophenol
Concen: 2.200 ng
RT: 10.301 min Scan# 1235
Delta R.T. 0.012 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

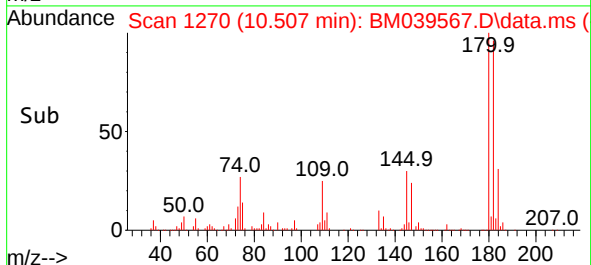
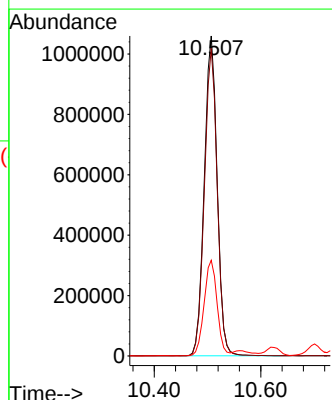
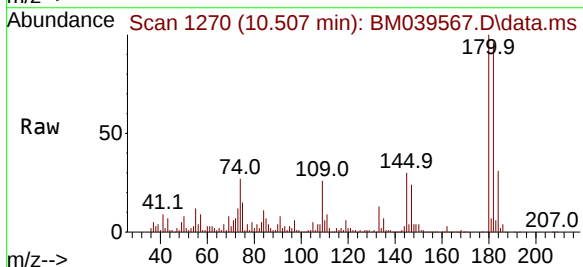
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

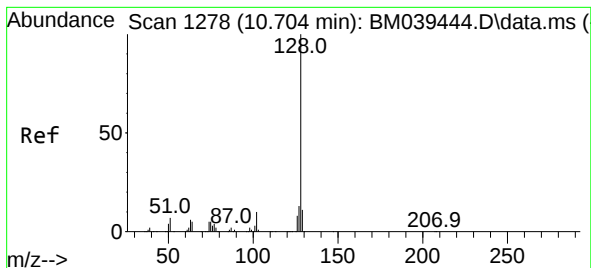
Tgt Ion:162 Resp: 18759
Ion Ratio Lower Upper
162 100
164 7.9 44.7 84.7#
98 48.1 17.2 57.2



#30
1,2,4-Trichlorobenzene
Concen: 197.251 ng
RT: 10.507 min Scan# 1270
Delta R.T. 0.018 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:180 Resp: 1780452
Ion Ratio Lower Upper
180 100
182 96.1 76.5 114.7
145 29.9 24.2 36.4

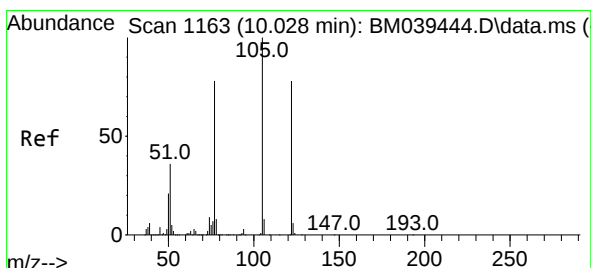
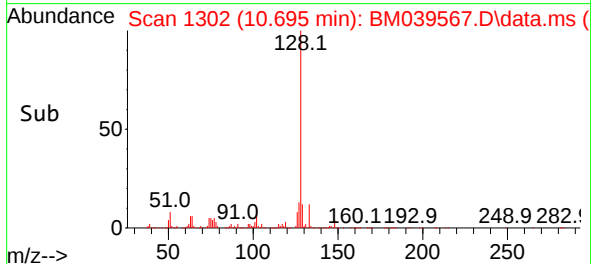
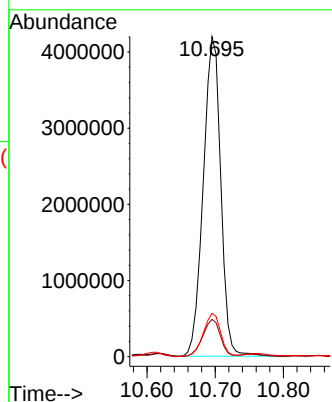
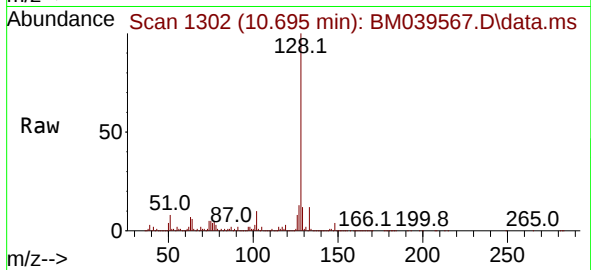




#31
Naphthalene
Concen: 246.945 ng
RT: 10.695 min Scan# 11
Delta R.T. 0.018 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

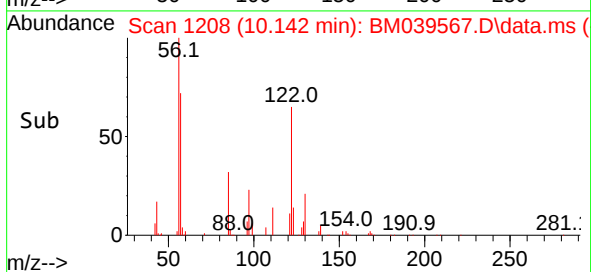
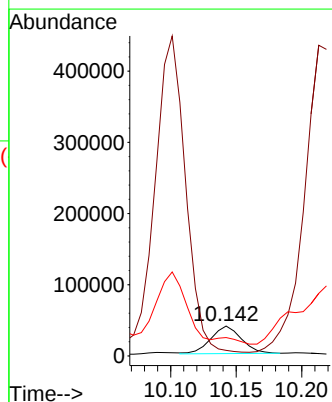
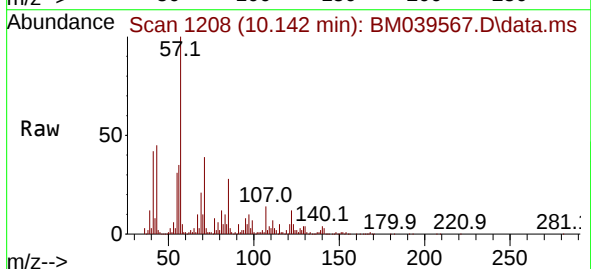
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

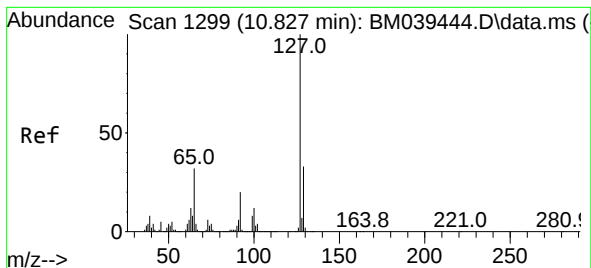
Tgt Ion:128 Resp: 7492764
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 13.5 10.3 15.5



#32
Benzoic acid
Concen: 13.648 ng
RT: 10.142 min Scan# 1208
Delta R.T. 0.135 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:122 Resp: 62204
Ion Ratio Lower Upper
122 100
105 18.6 105.9 145.9#
77 61.5 78.8 118.8#

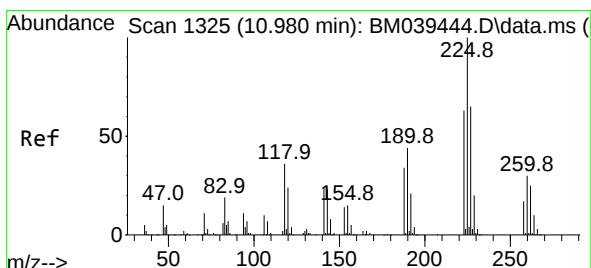
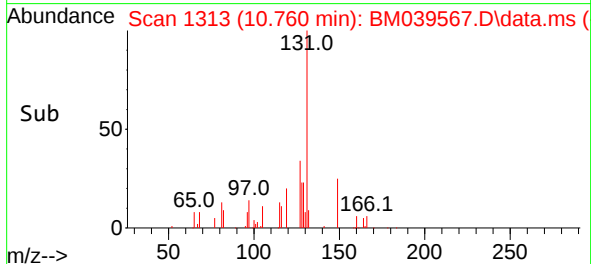
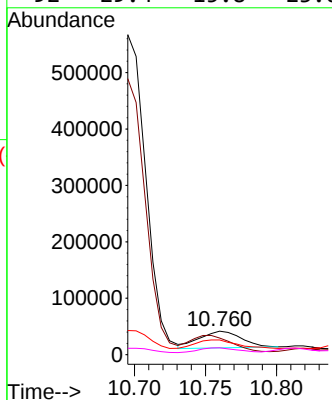
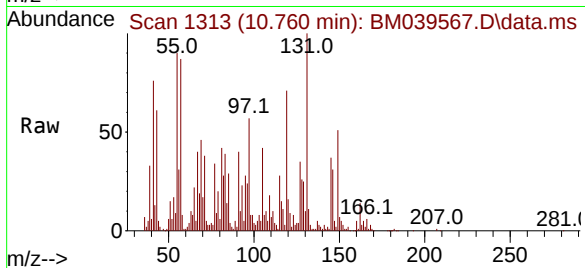




#33
4-Chloroaniline
Concen: 4.750 ng
RT: 10.760 min Scan# 11
Delta R.T. -0.041 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

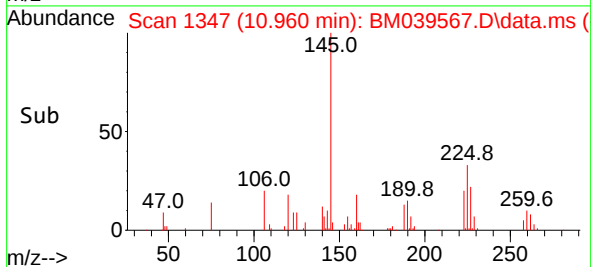
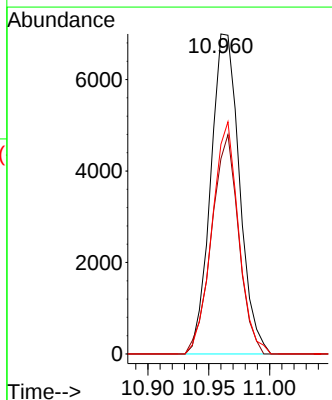
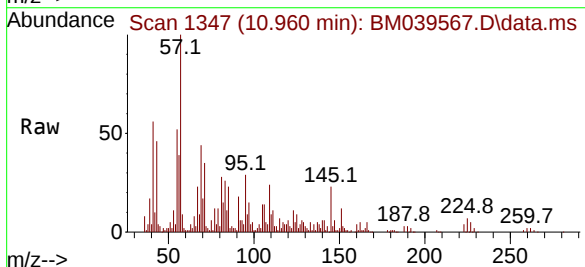
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

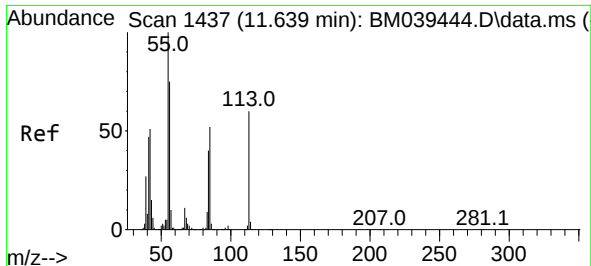
Tgt Ion:	127	Resp:	60890
Ion	Ratio	Lower	Upper
127	100		
129	71.1	26.1	39.1#
65	62.7	25.7	38.5#
92	29.4	15.8	23.6#



#34
Hexachlorobutadiene
Concen: 2.144 ng
RT: 10.960 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:	225	Resp:	11491
Ion	Ratio	Lower	Upper
225	100		
223	61.0	50.1	75.1
227	68.4	51.7	77.5

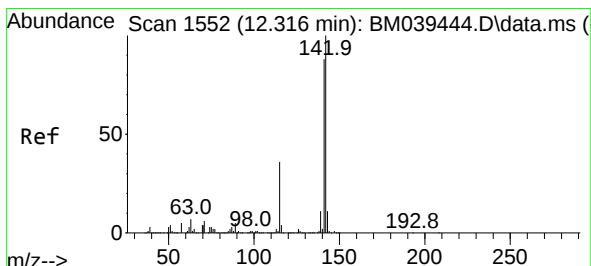
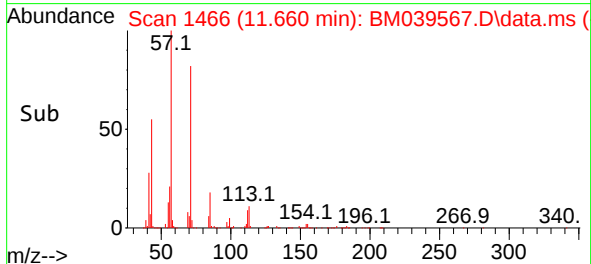
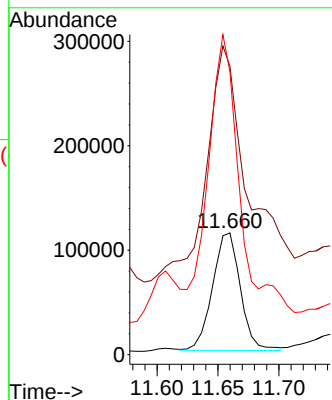
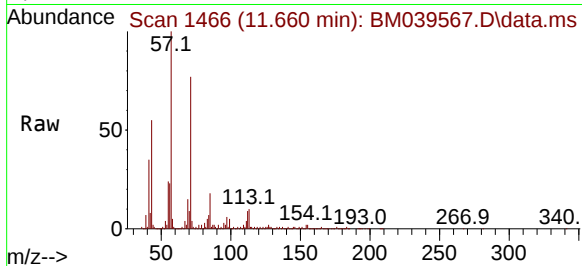




#35
Caprolactam
Concen: 52.655 ng
RT: 11.660 min Scan# 1437
Delta R.T. 0.047 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

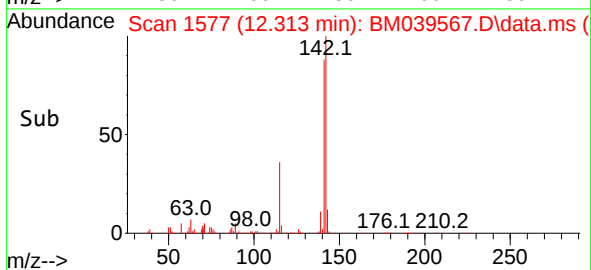
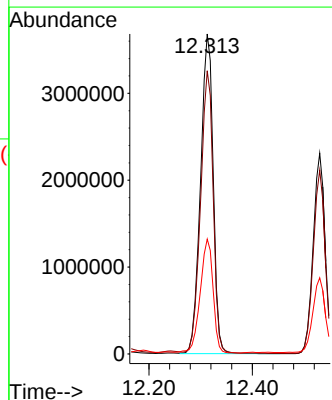
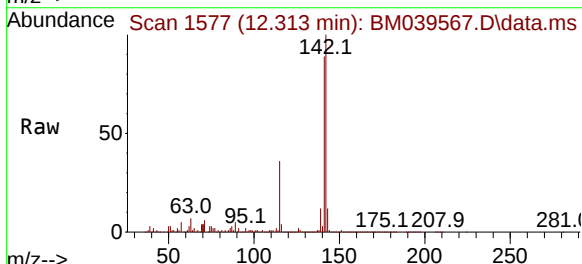
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

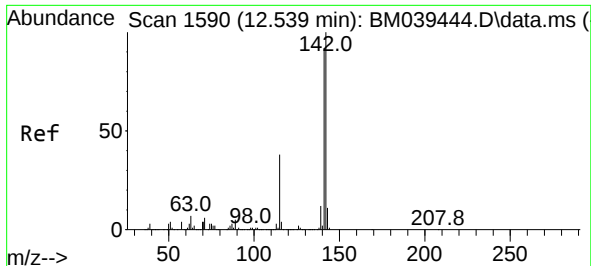
Tgt Ion:113 Resp: 179089
Ion Ratio Lower Upper
113 100
55 236.8 147.8 187.8#
56 232.2 105.6 145.6#



#37
2-Methylnaphthalene
Concen: 280.444 ng
RT: 12.313 min Scan# 1577
Delta R.T. 0.018 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:142 Resp: 6253347
Ion Ratio Lower Upper
142 100
141 88.5 70.4 105.6
115 35.9 28.8 43.2

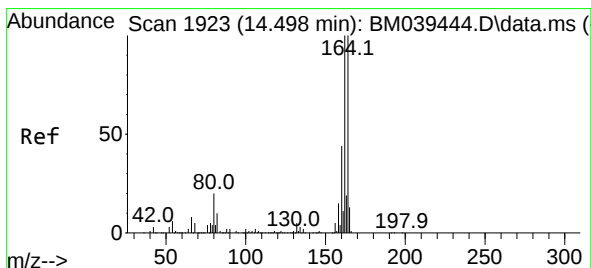
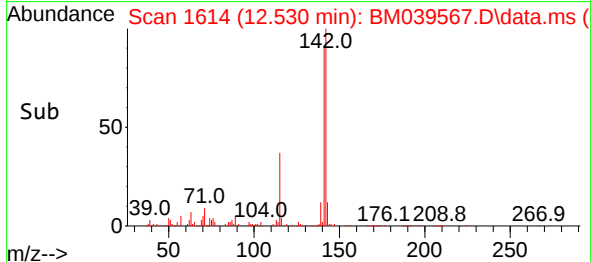
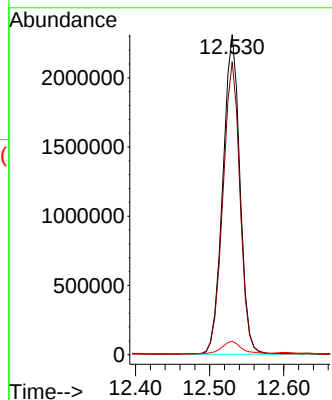
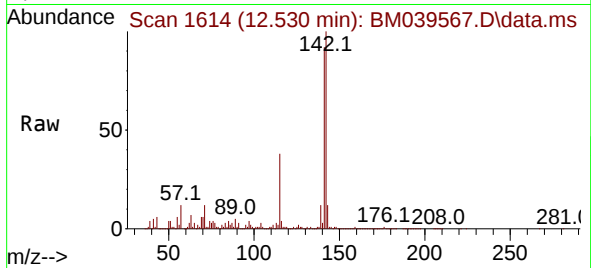




#38
1-Methylnaphthalene
Concen: 175.553 ng
RT: 12.530 min Scan# 1
Delta R.T. 0.018 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

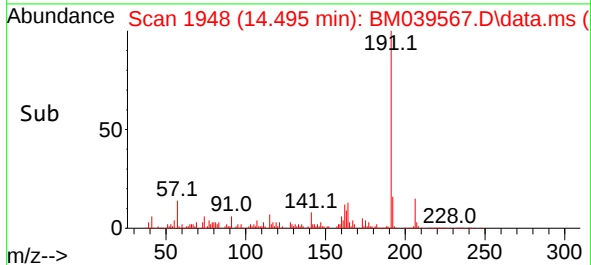
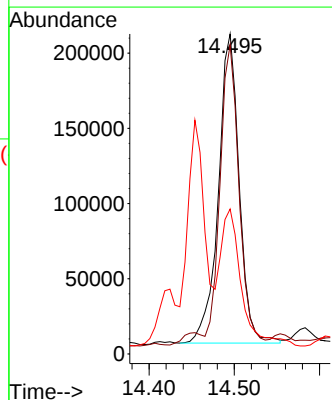
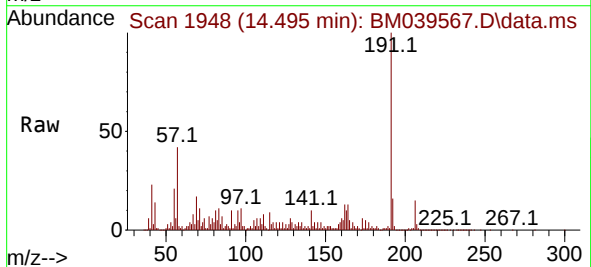
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

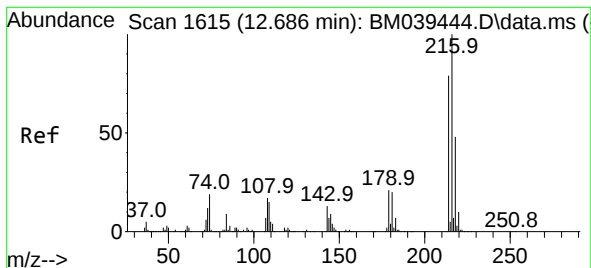
Tgt Ion:142 Resp: 3688718
Ion Ratio Lower Upper
142 100
141 91.5 73.3 109.9
116 4.2 3.1 4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.495 min Scan# 1948
Delta R.T. 0.018 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:164 Resp: 348852
Ion Ratio Lower Upper
164 100
162 96.7 79.8 119.8
160 45.3 35.0 52.4

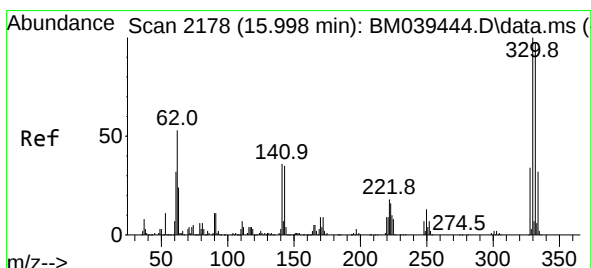
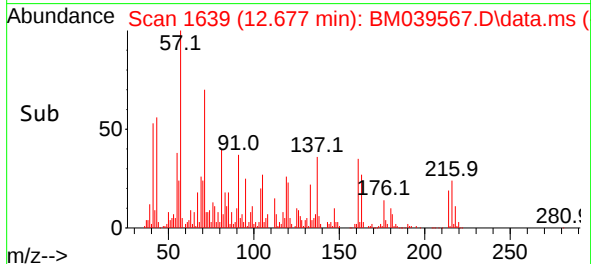
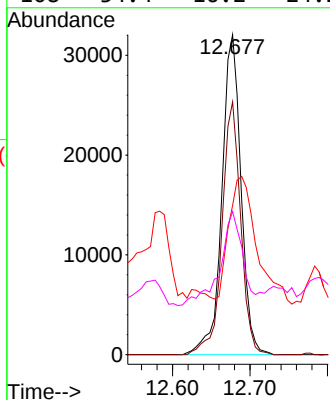
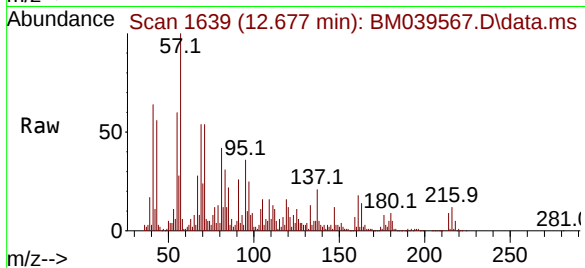




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.408 ng
RT: 12.677 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

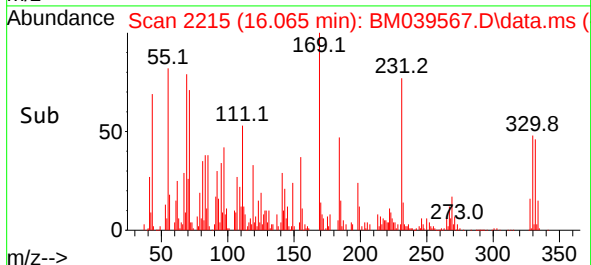
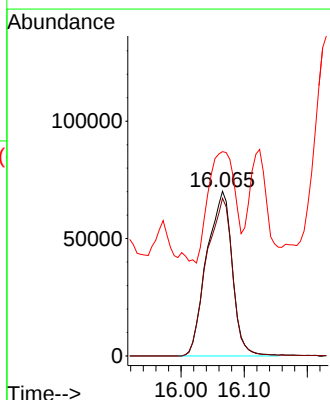
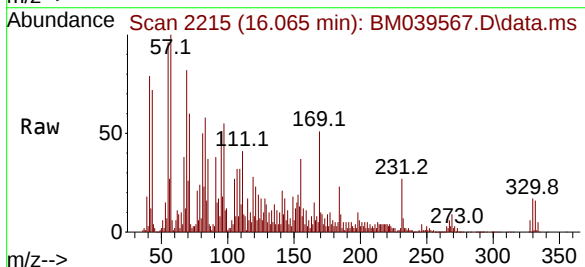
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

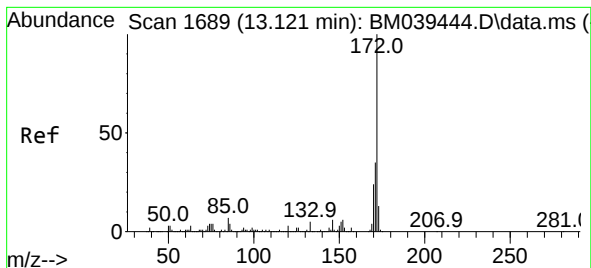
Tgt Ion:216 Resp: 55031
Ion Ratio Lower Upper
216 100
214 77.1 63.0 94.6
179 58.3 16.8 25.2#
108 34.4 16.2 24.2#



#42
2,4,6-Tribromophenol
Concen: 43.646 ng
RT: 16.065 min Scan# 2215
Delta R.T. 0.088 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:330 Resp: 197578
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.2
141 74.2 31.0 46.6#





#45

2-Fluorobiphenyl

Concen: 40.065 ng

RT: 13.107 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

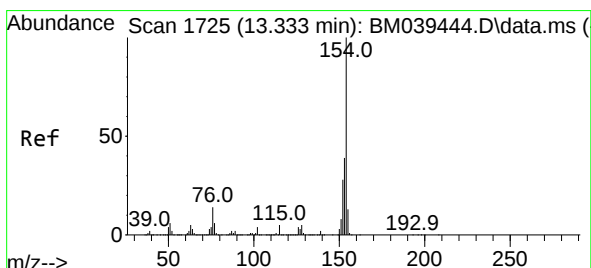
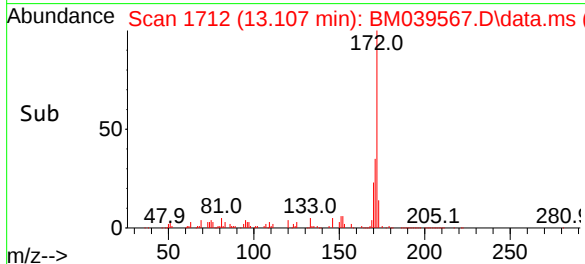
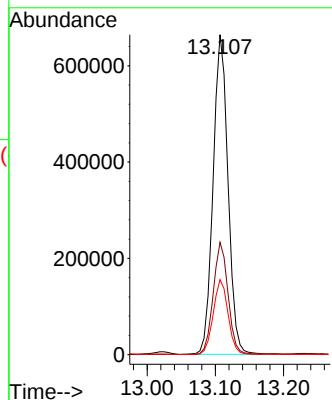
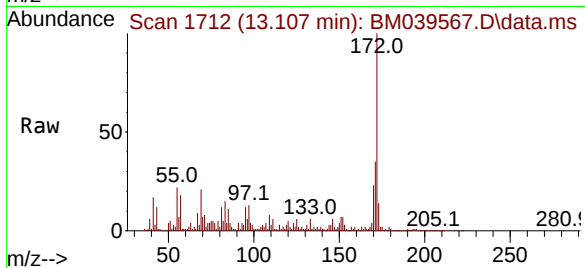
Tgt Ion:172 Resp: 1010159

Ion Ratio Lower Upper

172 100

171 35.1 27.8 41.8

170 23.4 19.0 28.4



#46

1,1'-Biphenyl

Concen: 183.484 ng

RT: 13.324 min Scan# 1749

Delta R.T. 0.012 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

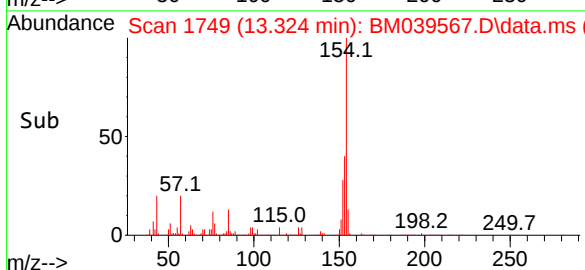
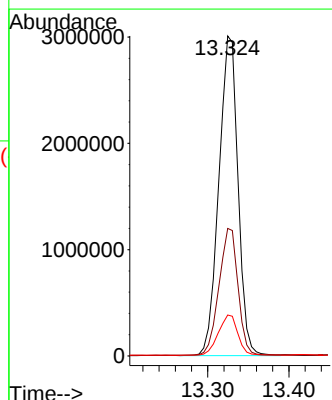
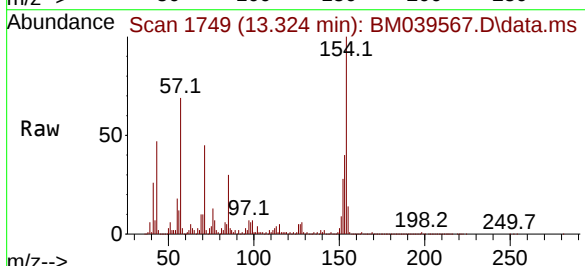
Tgt Ion:154 Resp: 4931283

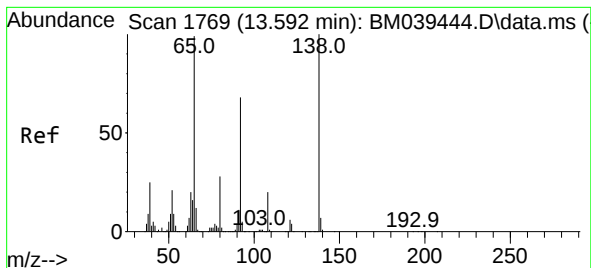
Ion Ratio Lower Upper

154 100

153 39.9 19.5 59.5

76 12.8 0.0 34.1





#48

2-Nitroaniline

Concen: 6.207 ng

RT: 13.607 min Scan# 1

Delta R.T. 0.029 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

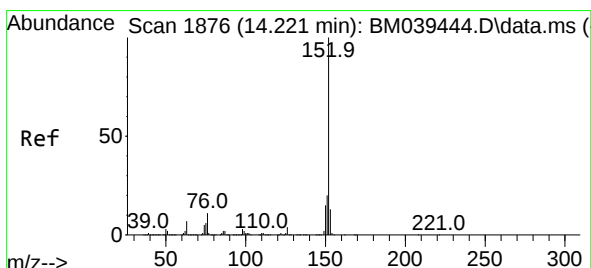
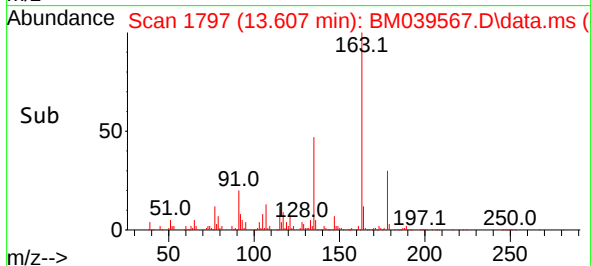
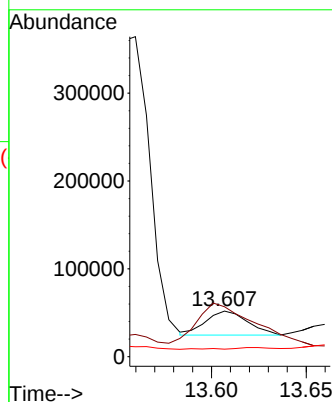
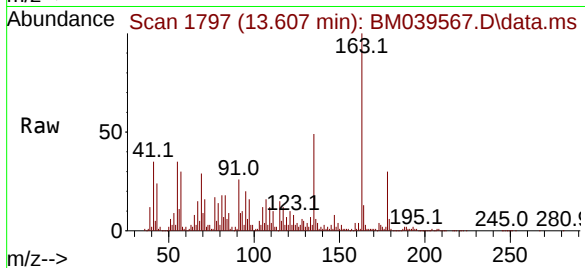
Tgt Ion: 65 Resp: 42406

Ion Ratio Lower Upper

65 100

92 109.5 54.7 82.1#

138 16.4 80.8 121.2#



#49

Acenaphthylene

Concen: 5.681 ng

RT: 14.219 min Scan# 1901

Delta R.T. 0.018 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

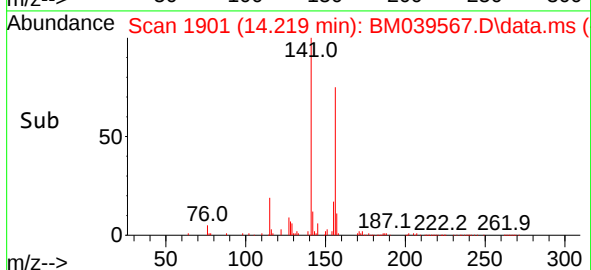
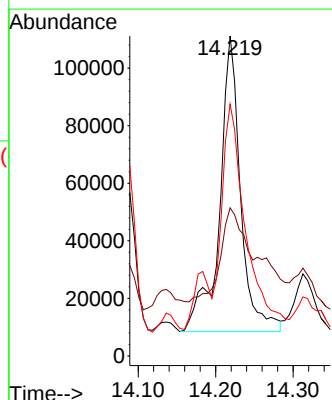
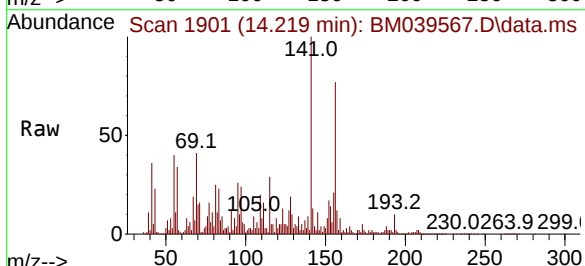
Tgt Ion: 152 Resp: 194157

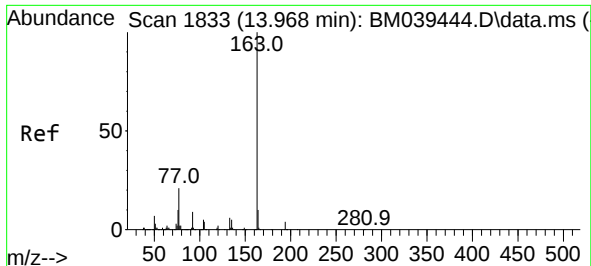
Ion Ratio Lower Upper

152 100

151 46.3 16.0 24.0#

153 78.7 10.6 15.8#

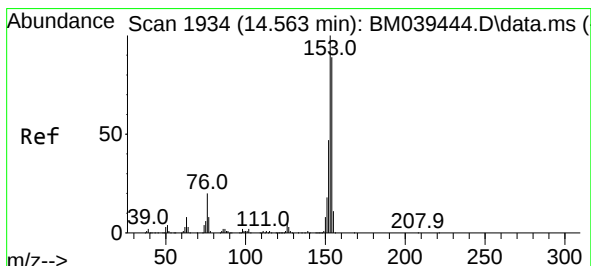
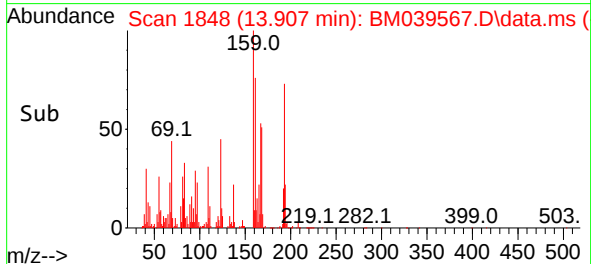
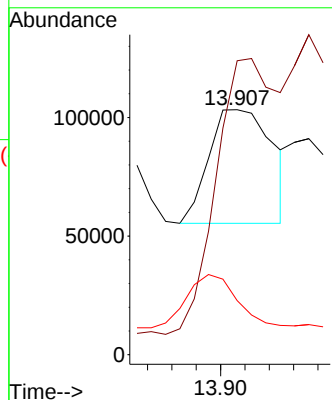
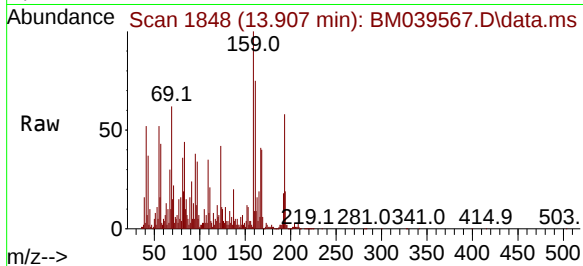




#50
Dimethylphthalate
Concen: 3.074 ng
RT: 13.907 min Scan# 11
Delta R.T. -0.041 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

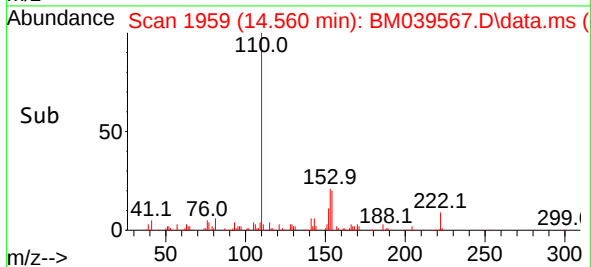
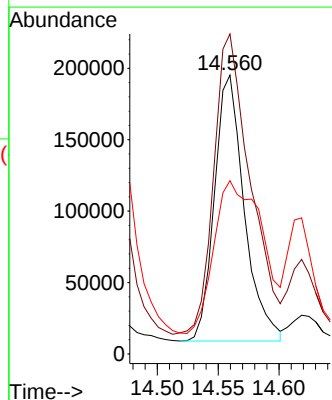
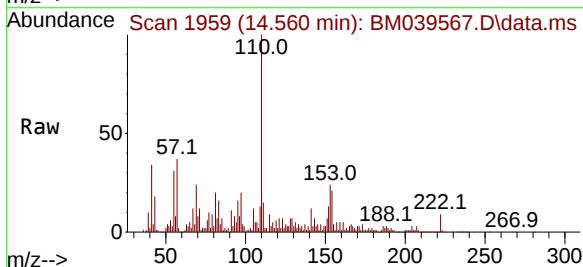
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

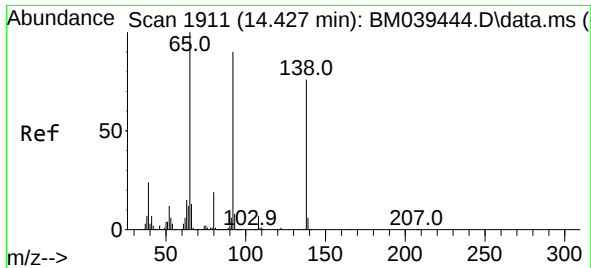
Tgt Ion:163 Resp: 86806
Ion Ratio Lower Upper
163 100
194 120.0 3.4 5.0#
164 22.1 8.1 12.1#



#52
Acenaphthene
Concen: 15.701 ng
RT: 14.560 min Scan# 1959
Delta R.T. 0.018 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:154 Resp: 317691
Ion Ratio Lower Upper
154 100
153 114.7 89.8 134.8
152 62.1 42.7 64.1

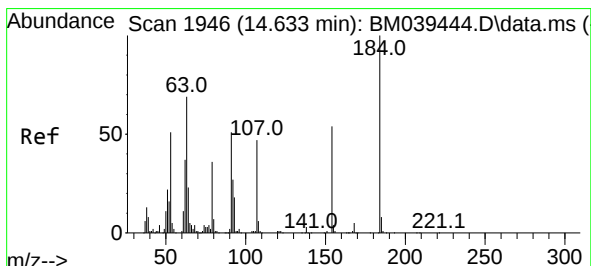
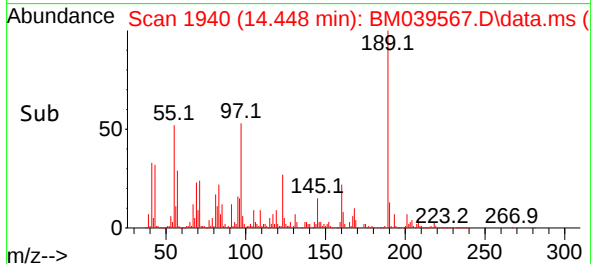
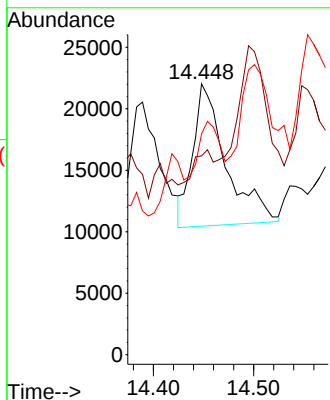
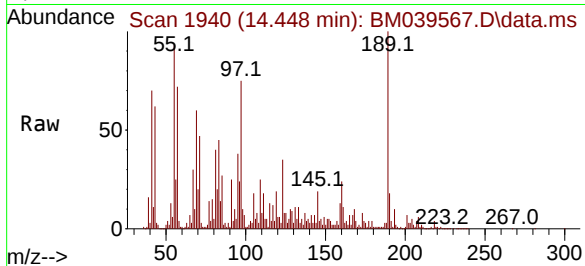




#53
3-Nitroaniline
Concen: 4.346 ng
RT: 14.448 min Scan# 1911
Delta R.T. 0.041 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

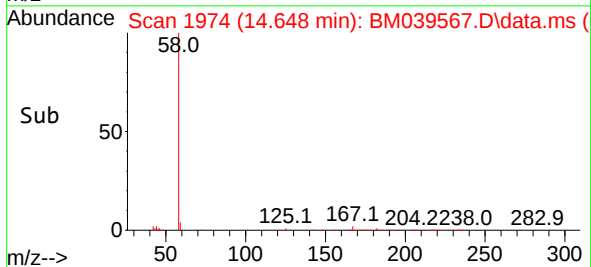
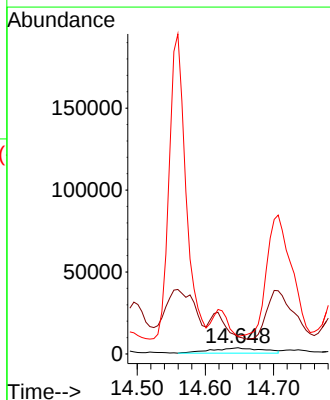
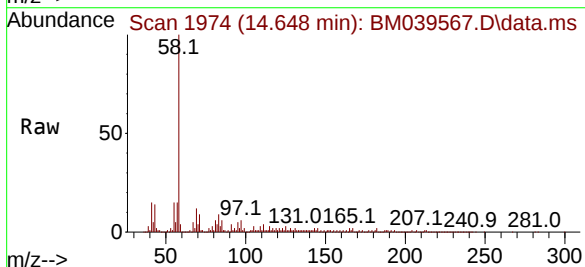
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

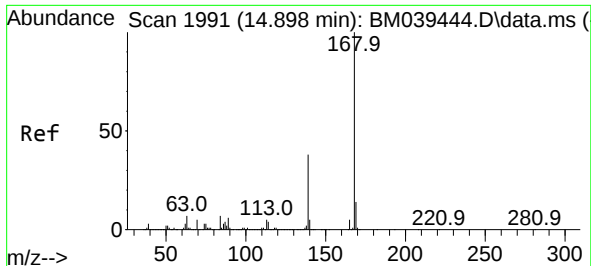
Tgt Ion:138 Resp: 26624
Ion Ratio Lower Upper
138 100
108 73.4 7.8 11.8#
92 81.5 95.4 143.2#



#54
2,4-Dinitrophenol
Concen: 9.894 ng
RT: 14.648 min Scan# 1974
Delta R.T. 0.029 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:184 Resp: 16887
Ion Ratio Lower Upper
184 100
63 270.1 56.4 84.6#
154 279.8 49.1 73.7#

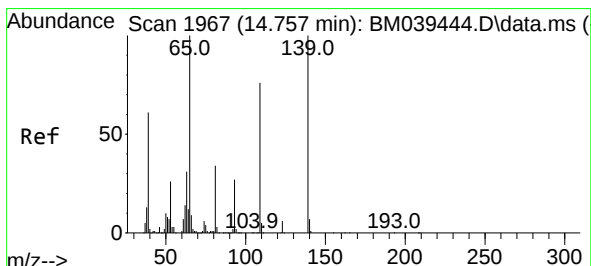
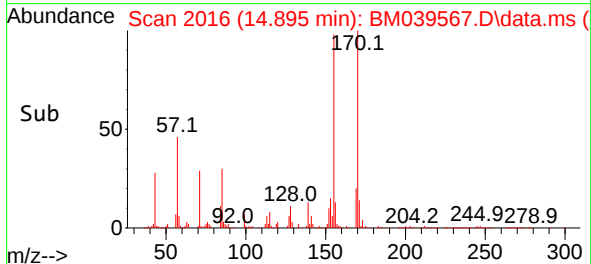
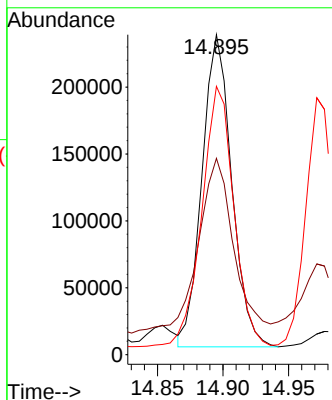
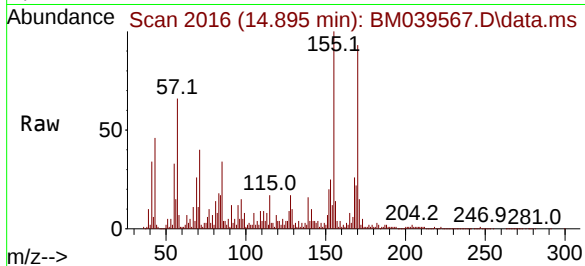




#55
Dibenzofuran
Concen: 11.303 ng
RT: 14.895 min Scan# 2016
Delta R.T. 0.018 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

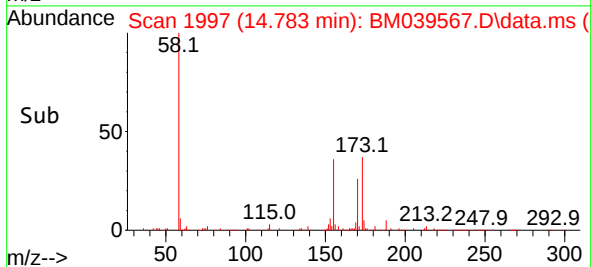
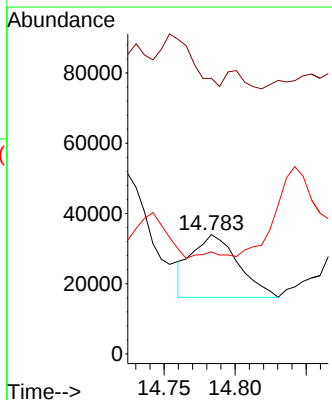
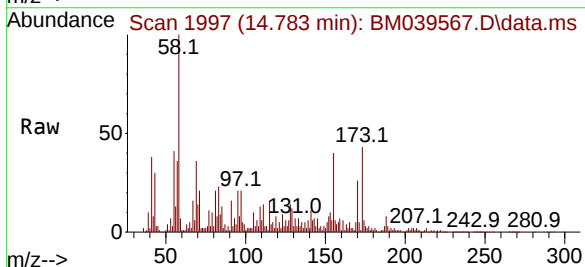
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

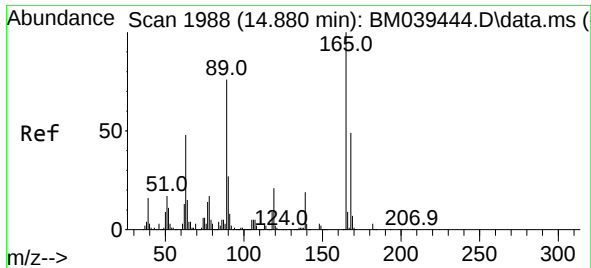
Tgt Ion:168 Resp: 367509
Ion Ratio Lower Upper
168 100
139 61.4 30.8 46.2#
169 83.9 10.8 16.2#



#56
4-Nitrophenol
Concen: 13.002 ng
RT: 14.783 min Scan# 1997
Delta R.T. 0.053 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:139 Resp: 40612
Ion Ratio Lower Upper
139 100
109 231.0 56.5 96.5#
65 85.6 81.3 121.3

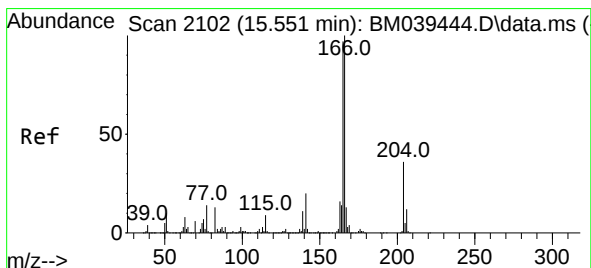
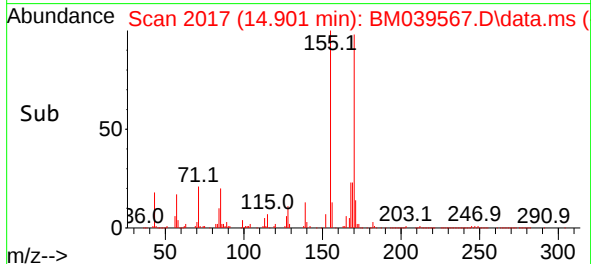
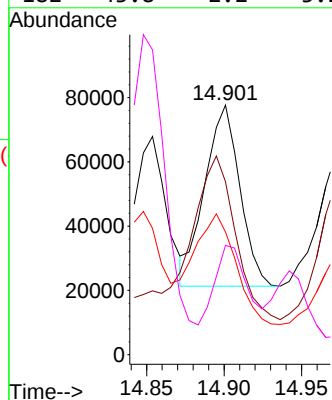
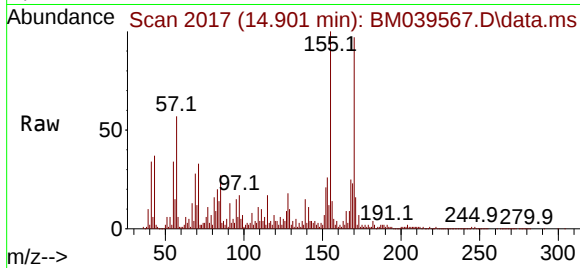




#57
2,4-Dinitrotoluene
Concen: 10.793 ng
RT: 14.901 min Scan# 2107
Delta R.T. 0.041 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

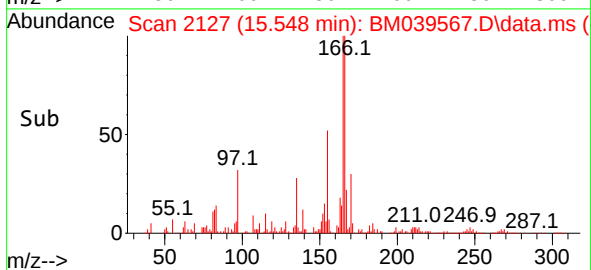
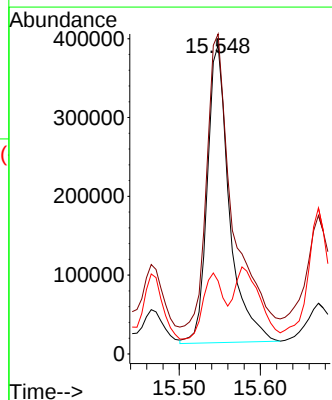
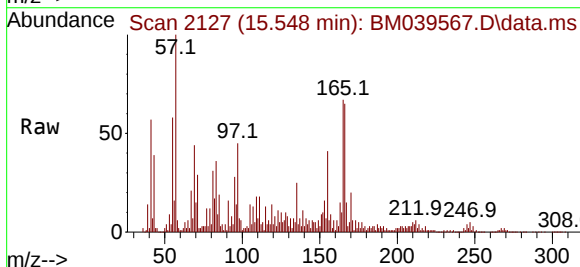
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

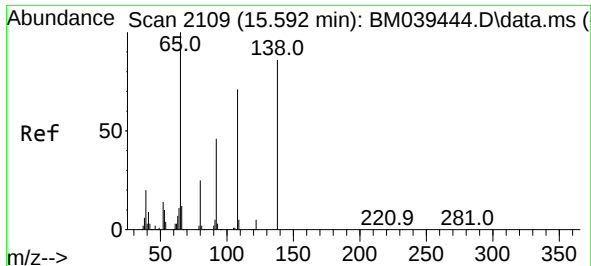
Tgt Ion:165 Resp: 88572
Ion Ratio Lower Upper
165 100
63 69.3 39.0 58.6#
89 49.2 61.0 91.4#
182 43.8 2.2 3.2#



#58
Fluorene
Concen: 26.999 ng
RT: 15.548 min Scan# 2127
Delta R.T. 0.018 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:166 Resp: 711993
Ion Ratio Lower Upper
166 100
165 103.6 77.4 116.0
167 23.6 10.6 15.8#

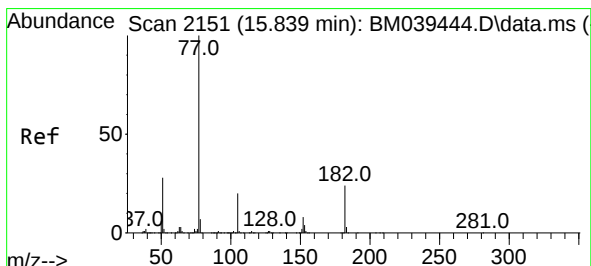
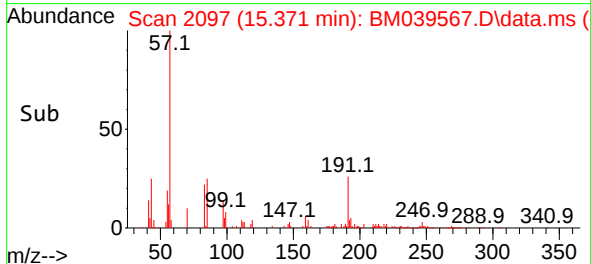
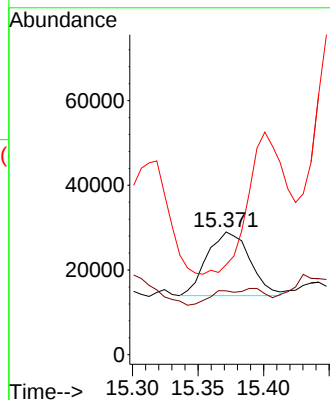
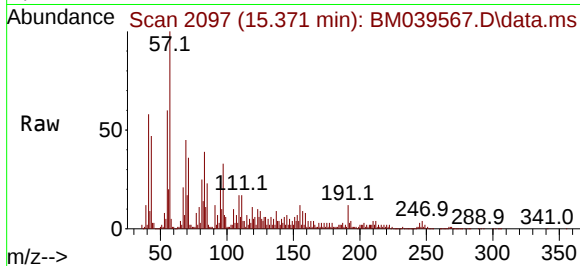




#62
4-Nitroaniline
Concen: 8.186 ng
RT: 15.371 min Scan# 2097
Delta R.T. -0.200 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

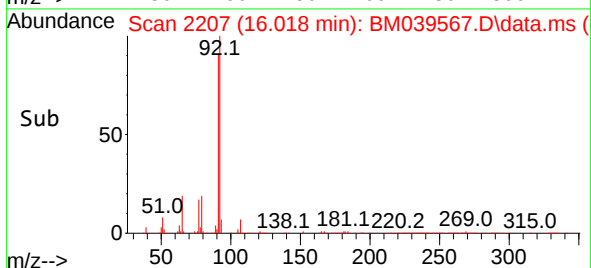
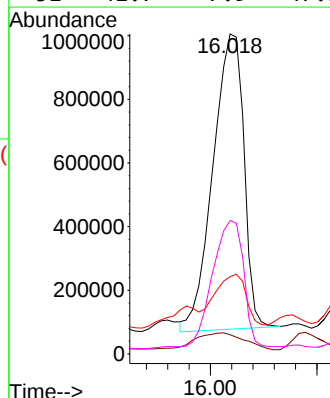
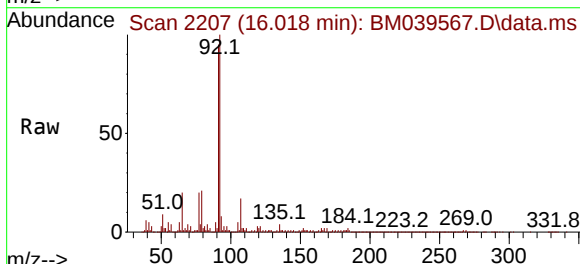
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

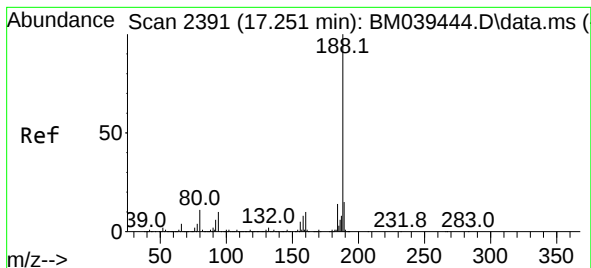
Tgt Ion:138 Resp: 34246
Ion Ratio Lower Upper
138 100
92 52.1 32.6 72.6
108 73.3 60.6 100.6



#63
Azobenzene
Concen: 65.575 ng
RT: 16.018 min Scan# 2207
Delta R.T. 0.200 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion: 77 Resp: 1870788
Ion Ratio Lower Upper
77 100
182 6.0 3.7 43.7
105 24.1 0.5 40.5
51 41.7 7.9 47.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.265 min Scan# 2419

Delta R.T. 0.035 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

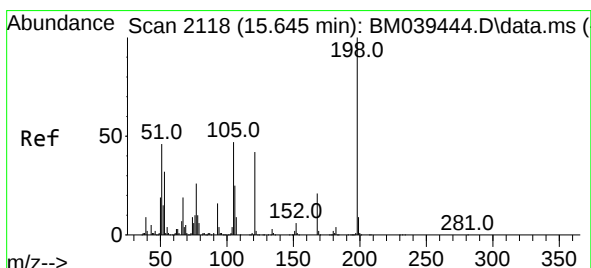
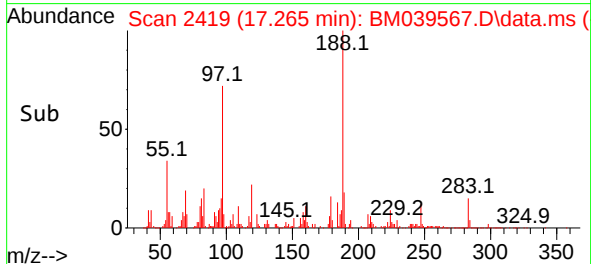
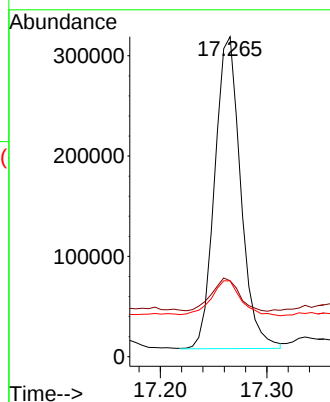
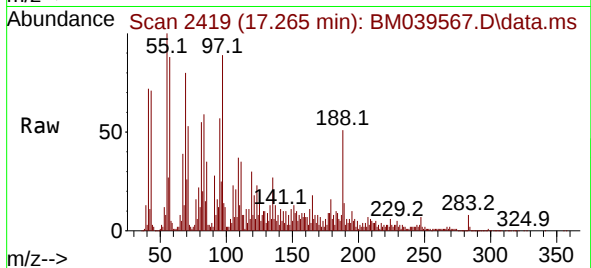
Tgt Ion:188 Resp: 525406

Ion Ratio Lower Upper

188 100

94 23.7 7.9 11.9#

80 23.7 8.9 13.3#



#65

4,6-Dinitro-2-methylphenol

Concen: 4.071 ng

RT: 15.666 min Scan# 2147

Delta R.T. 0.041 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

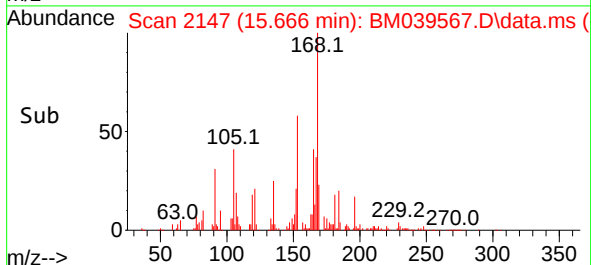
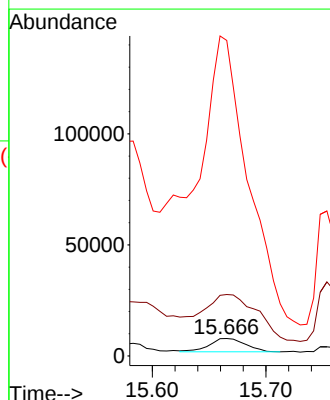
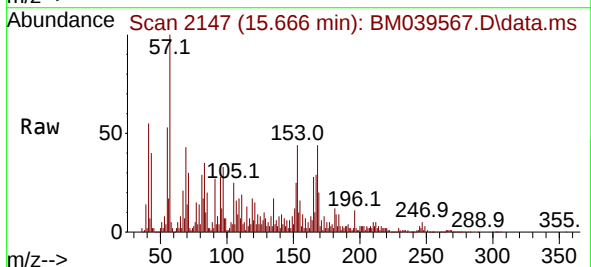
Tgt Ion:198 Resp: 13392

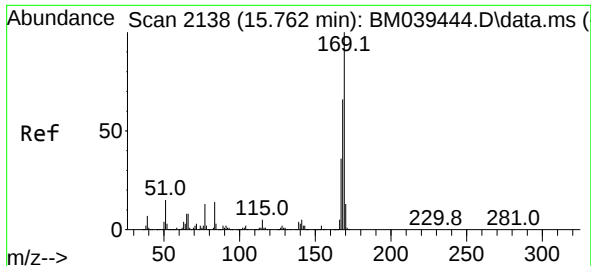
Ion Ratio Lower Upper

198 100

51 353.6 29.3 69.3#

105 1815.1 27.7 67.7#

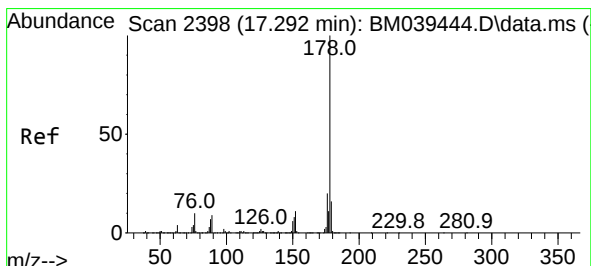
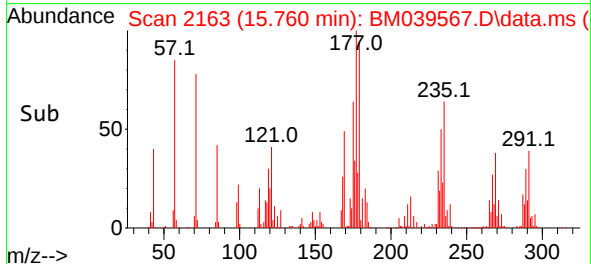
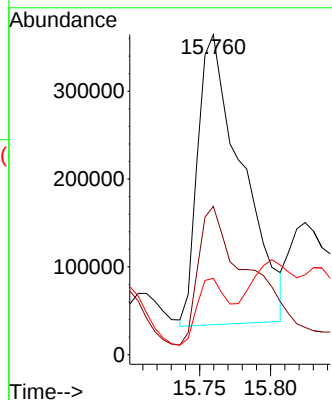
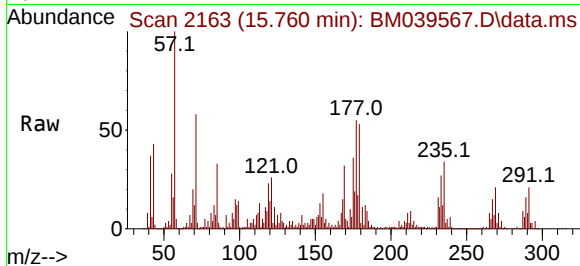




#66
 n-Nitrosodiphenylamine
 Concen: 44.998 ng
 RT: 15.760 min Scan# 2138
 Delta R.T. 0.012 min
 Lab File: BM039567.D
 Acq: 22 Apr 2023 00:41

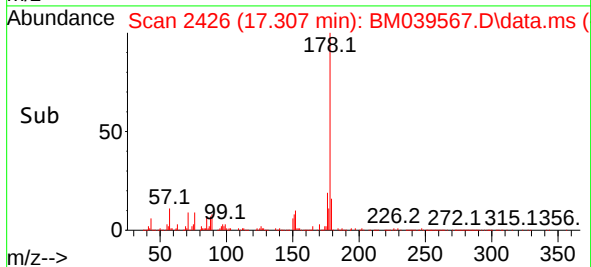
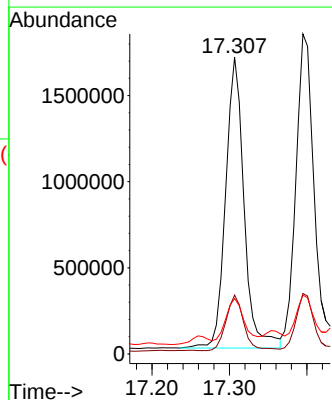
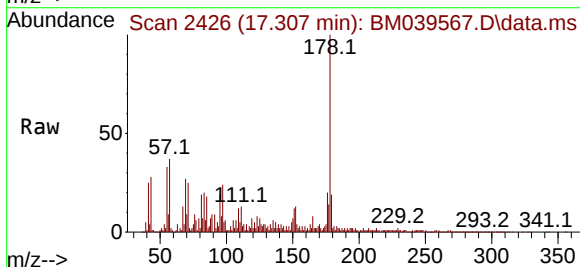
Instrument :
 BNA_M
 ClientSampleId :
 SPA-5WC-23-04

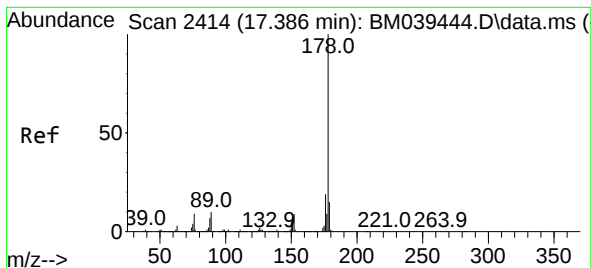
Tgt Ion:169 Resp: 716783
 Ion Ratio Lower Upper
 169 100
 168 46.3 52.6 79.0#
 167 23.8 29.0 43.4#



#71
 Phenanthrene
 Concen: 97.937 ng
 RT: 17.307 min Scan# 2426
 Delta R.T. 0.029 min
 Lab File: BM039567.D
 Acq: 22 Apr 2023 00:41

Tgt Ion:178 Resp: 2790308
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.6 23.4
 179 18.7 12.5 18.7





#72

Anthracene

Concen: 95.471 ng

RT: 17.395 min Scan# 2414

Delta R.T. 0.029 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

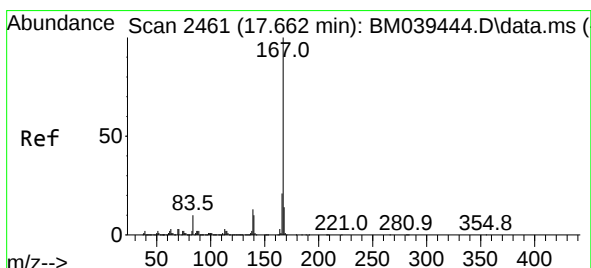
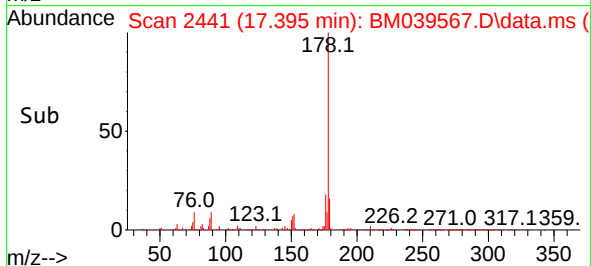
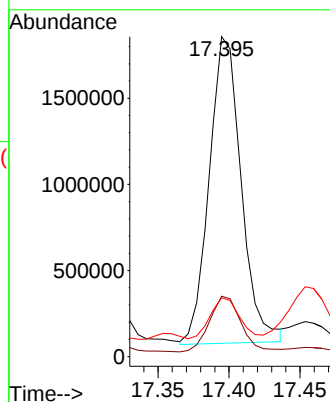
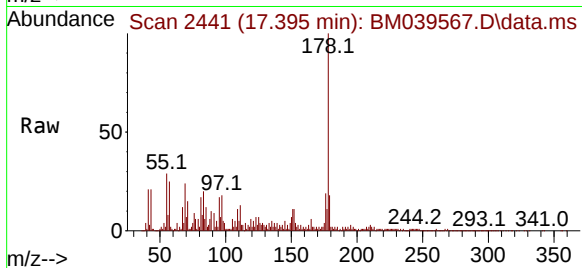
Tgt Ion:178 Resp: 2790156

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 18.4 12.2 18.4#



#73

Carbazole

Concen: 2.378 ng

RT: 17.671 min Scan# 2488

Delta R.T. 0.029 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

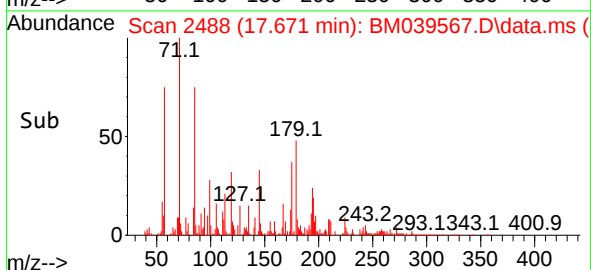
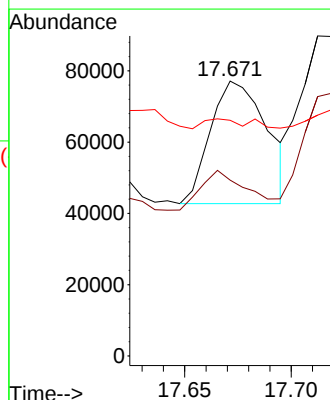
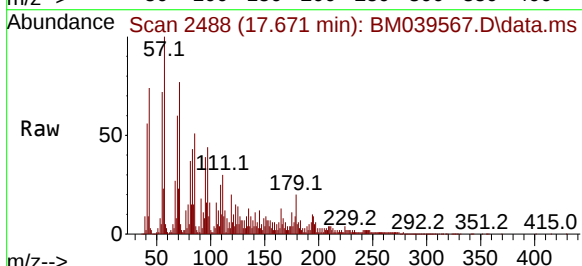
Tgt Ion:167 Resp: 63215

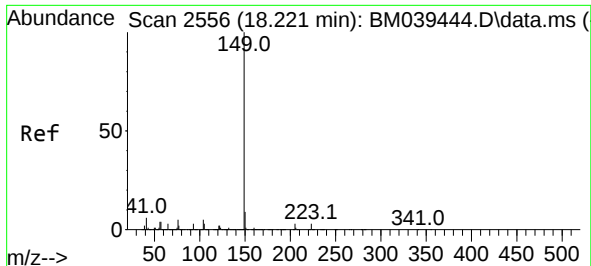
Ion Ratio Lower Upper

167 100

166 64.0 17.0 25.6#

139 85.7 10.6 16.0#

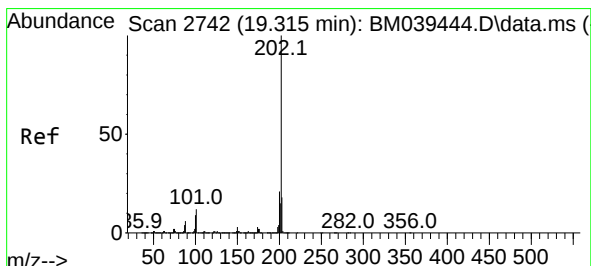
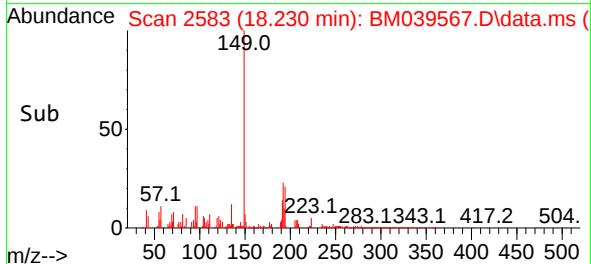
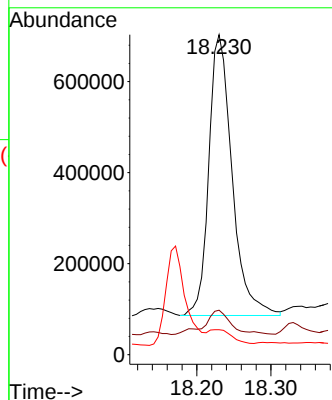
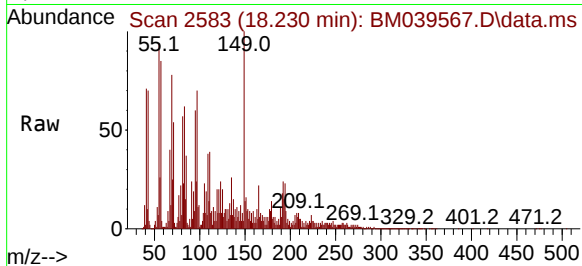




#74
Di-n-butylphthalate
Concen: 36.445 ng
RT: 18.230 min Scan# 21
Delta R.T. 0.029 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

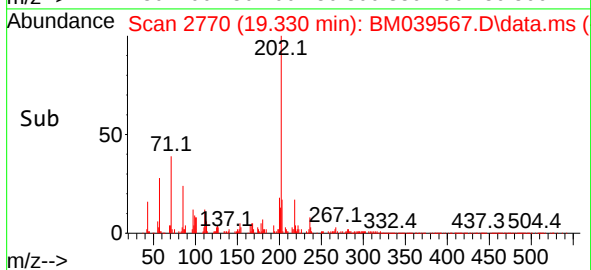
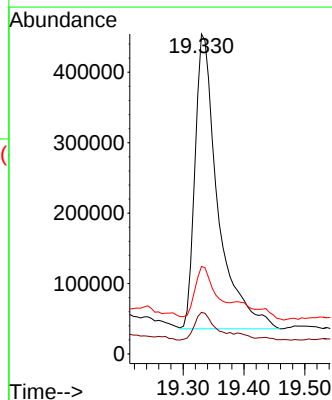
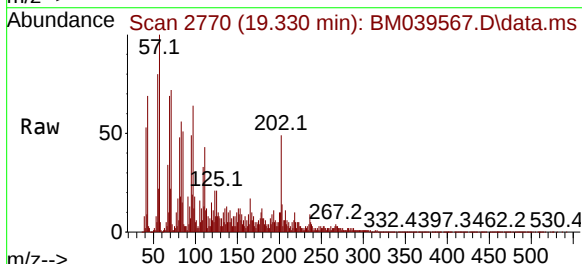
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

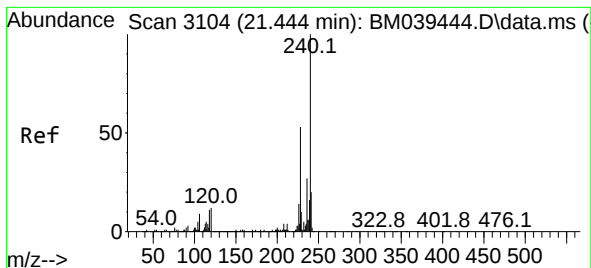
Tgt Ion:149 Resp: 1346640
Ion Ratio Lower Upper
149 100
150 13.9 7.4 11.2#
104 7.8 4.1 6.1#



#75
Fluoranthene
Concen: 31.722 ng
RT: 19.330 min Scan# 2770
Delta R.T. 0.035 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:202 Resp: 1096484
Ion Ratio Lower Upper
202 100
101 13.0 0.0 32.1
203 27.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.477 min Scan# 3104

Delta R.T. 0.053 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

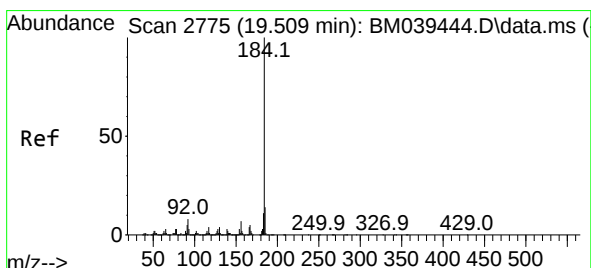
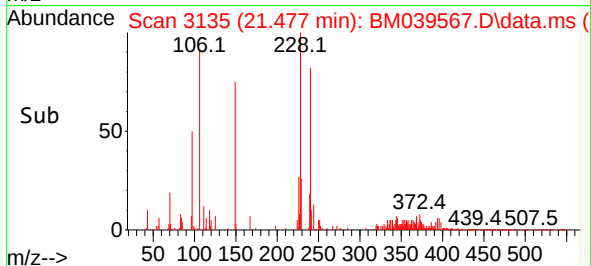
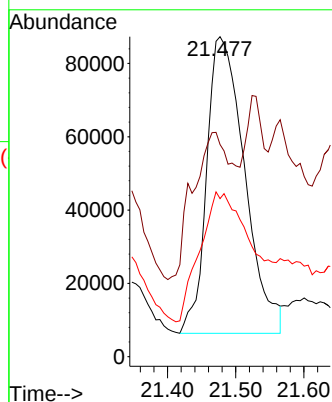
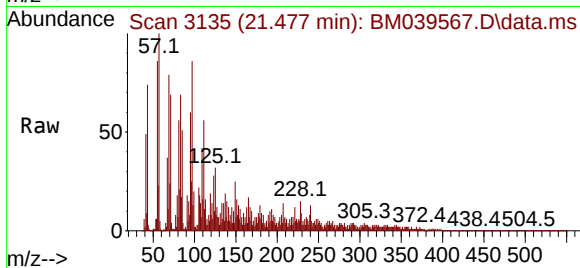
Tgt Ion:240 Resp: 313069

Ion Ratio Lower Upper

240 100

120 66.3 9.4 14.2#

236 49.4 21.2 31.8#



#77

Benzidine

Concen: 7.466 ng

RT: 19.471 min Scan# 2794

Delta R.T. -0.018 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

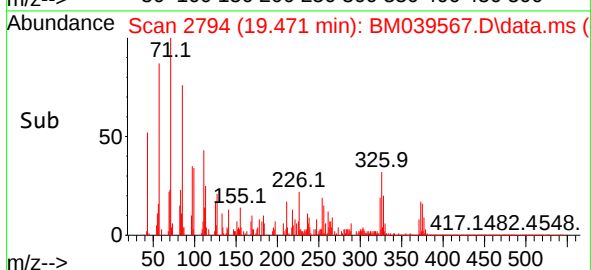
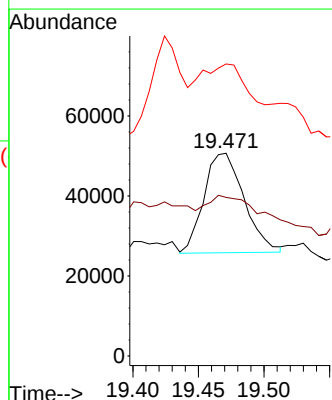
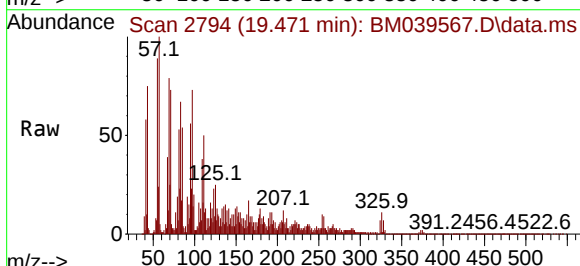
Tgt Ion:184 Resp: 52967

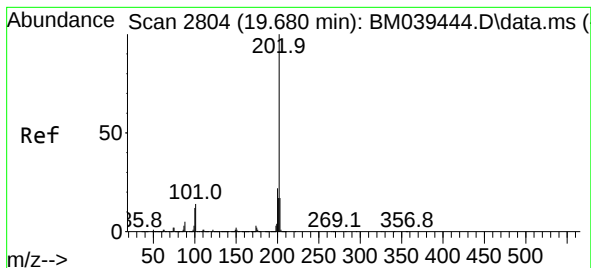
Ion Ratio Lower Upper

184 100

185 78.3 11.0 16.4#

183 144.0 8.8 13.2#





#78

Pyrene

Concen: 52.947 ng

RT: 19.701 min Scan# 2

Delta R.T. 0.041 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

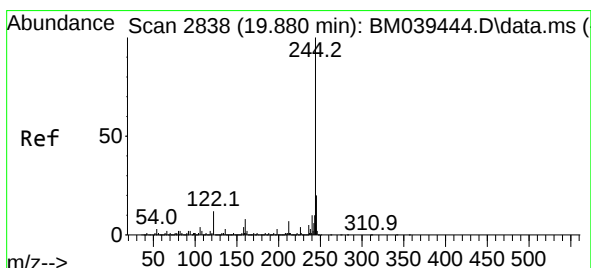
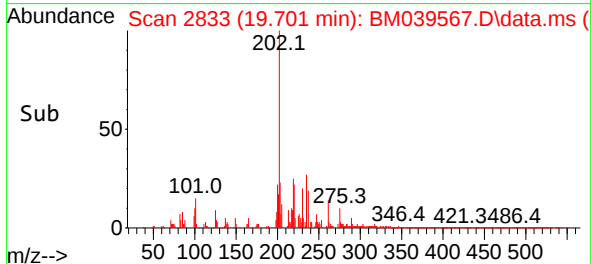
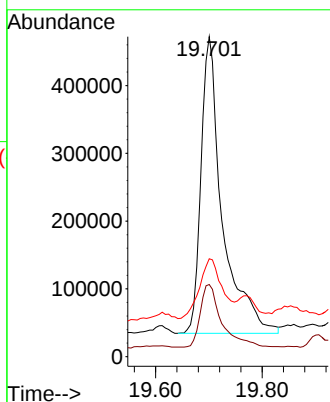
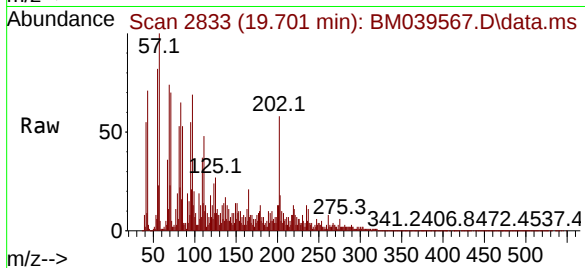
Tgt Ion:202 Resp: 1219017

Ion Ratio Lower Upper

202 100

200 22.5 17.2 25.8

203 30.6 13.9 20.9#



#79

Terphenyl-d14

Concen: 48.358 ng

RT: 19.895 min Scan# 2866

Delta R.T. 0.029 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

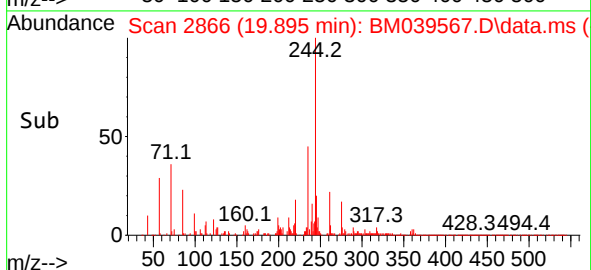
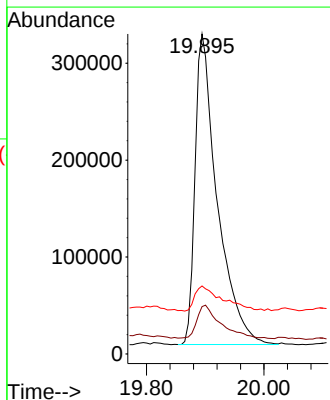
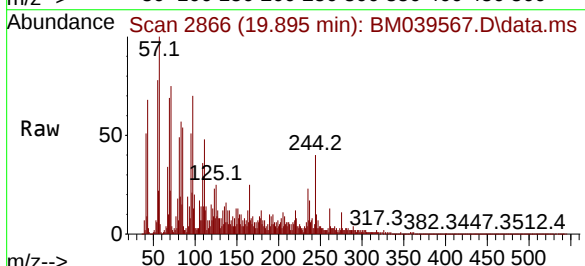
Tgt Ion:244 Resp: 839199

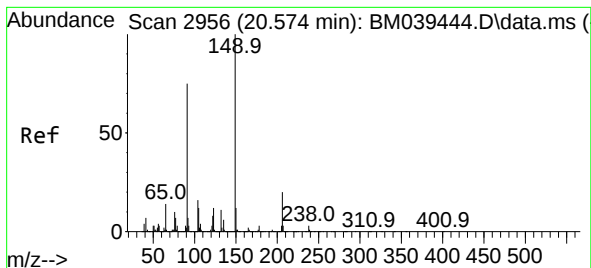
Ion Ratio Lower Upper

244 100

212 14.8 5.8 8.8#

122 21.2 9.5 14.3#





#80

Butylbenzylphthalate

Concen: 51.932 ng

RT: 20.595 min Scan# 2956

Delta R.T. 0.035 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

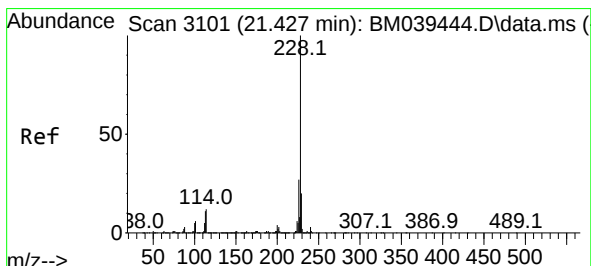
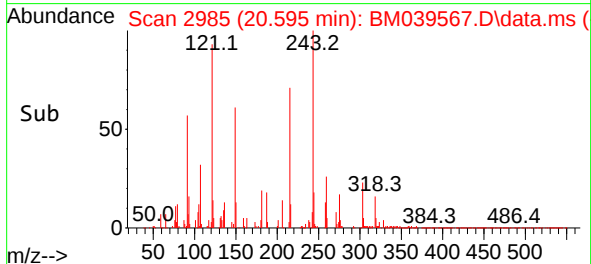
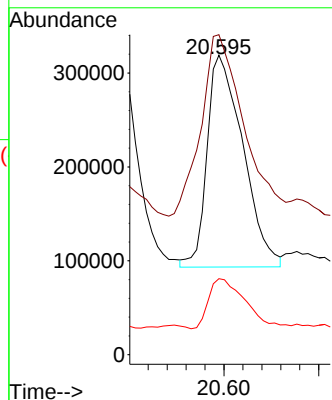
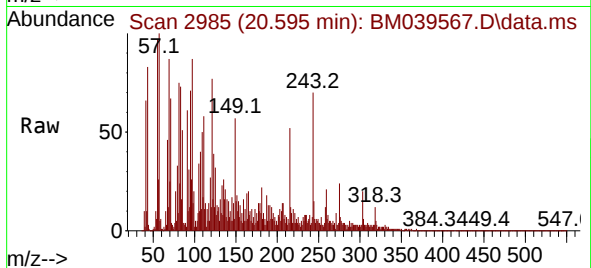
Tgt Ion:149 Resp: 592900

Ion Ratio Lower Upper

149 100

91 106.8 59.9 89.9#

206 25.3 15.8 23.8#



#81

Benzo(a)anthracene

Concen: 35.141 ng

RT: 21.500 min Scan# 3139

Delta R.T. 0.088 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

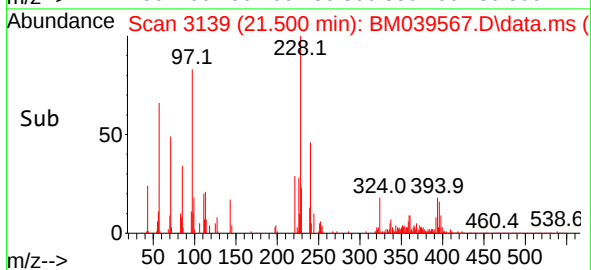
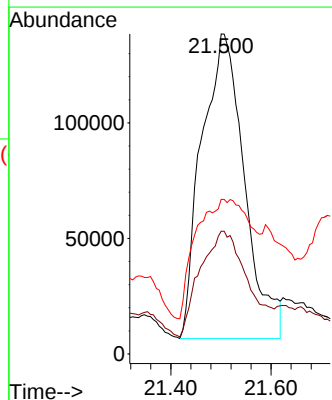
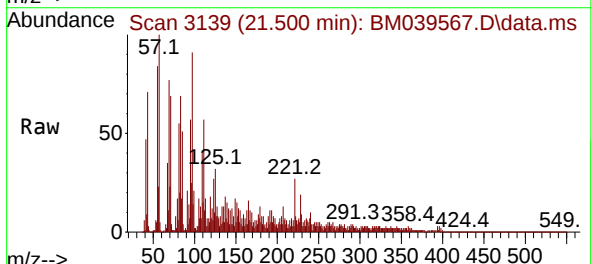
Tgt Ion:228 Resp: 781291

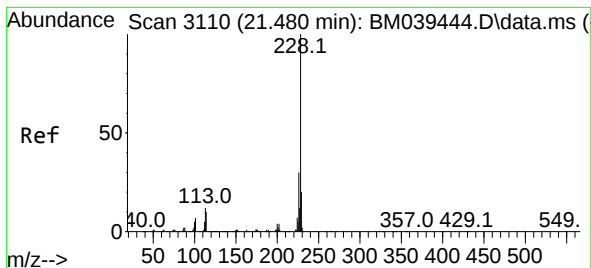
Ion Ratio Lower Upper

228 100

226 38.3 21.8 32.8#

229 48.3 15.9 23.9#





#83

Chrysene

Concen: 36.256 ng

RT: 21.500 min Scan# 3119

Delta R.T. 0.035 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

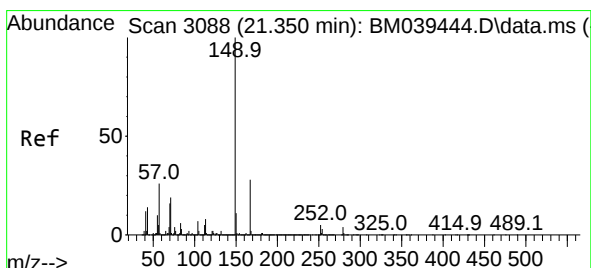
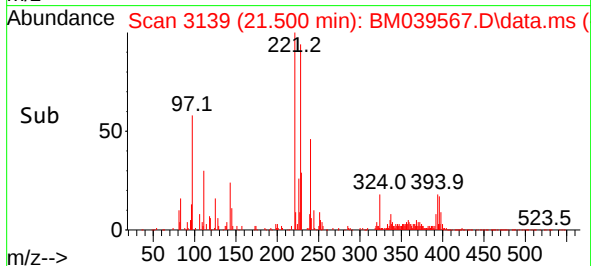
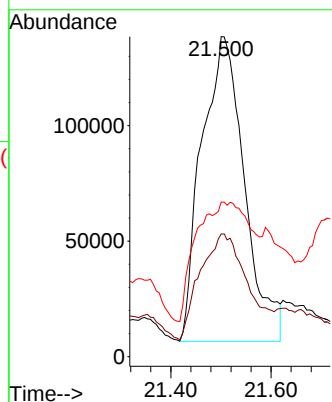
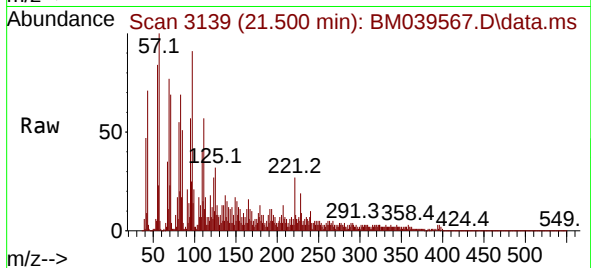
Tgt Ion:228 Resp: 781291

Ion Ratio Lower Upper

228 100

226 38.3 24.0 36.0#

229 48.3 16.0 24.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 1012.772 ng

RT: 21.412 min Scan# 3124

Delta R.T. 0.082 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

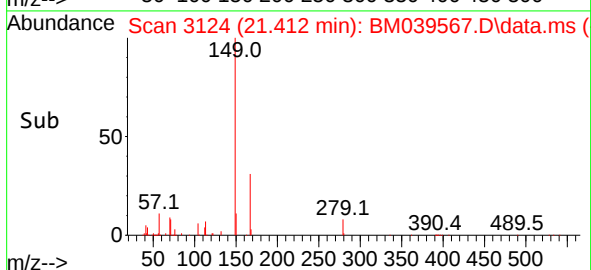
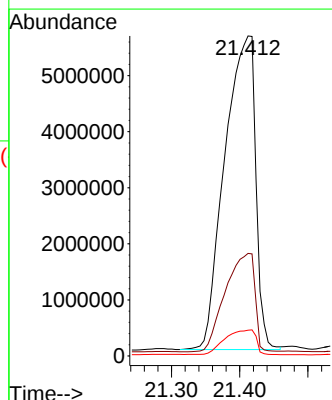
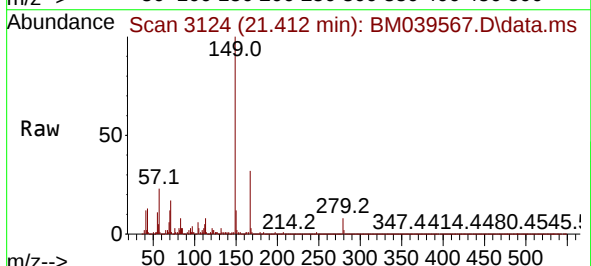
Tgt Ion:149 Resp:17625542

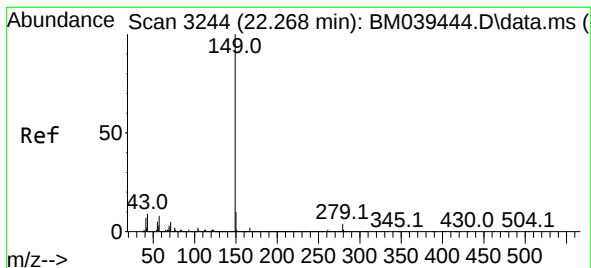
Ion Ratio Lower Upper

149 100

167 32.1 22.3 33.5

279 8.1 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 101.383 ng

RT: 22.300 min Scan# 31

Delta R.T. 0.053 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

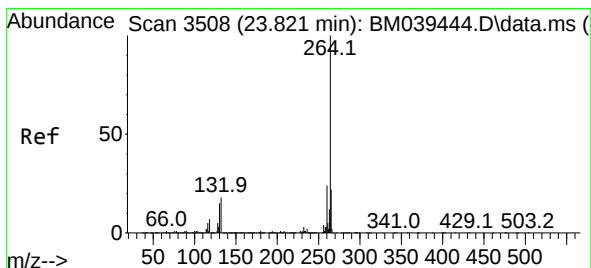
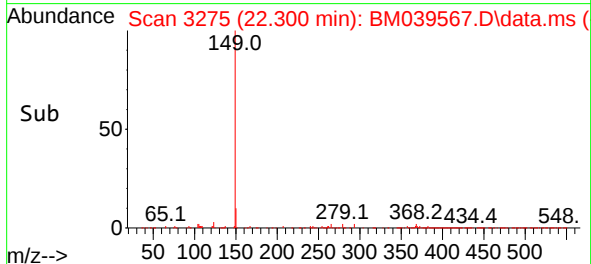
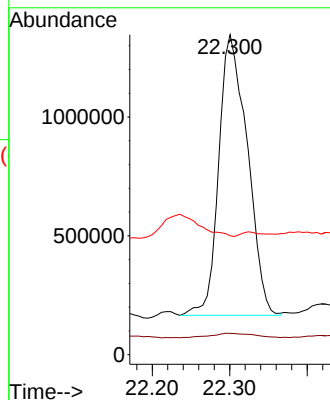
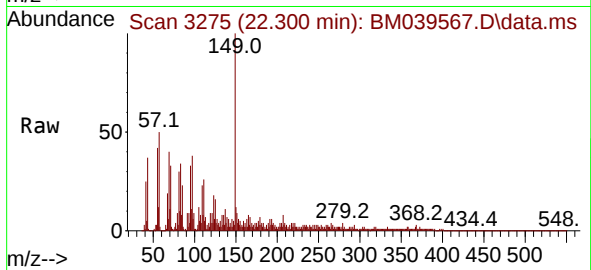
Tgt Ion:149 Resp: 3034076

Ion Ratio Lower Upper

149 100

167 2.1 1.2 1.8#

43 0.0 7.1 10.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.883 min Scan# 3544

Delta R.T. 0.094 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

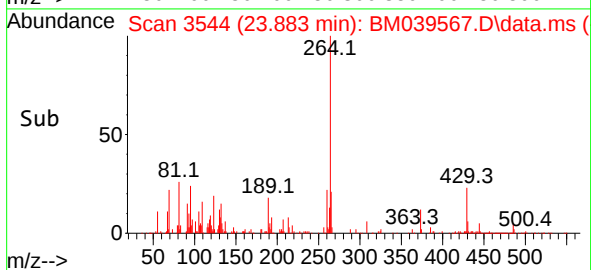
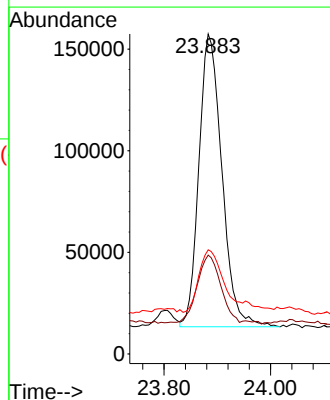
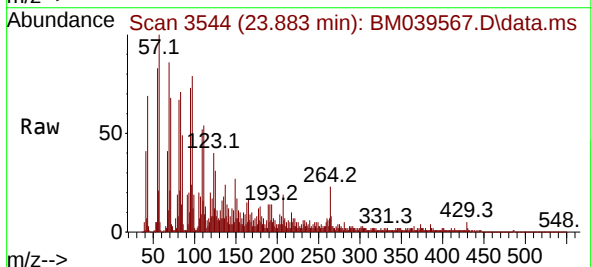
Tgt Ion:264 Resp: 431998

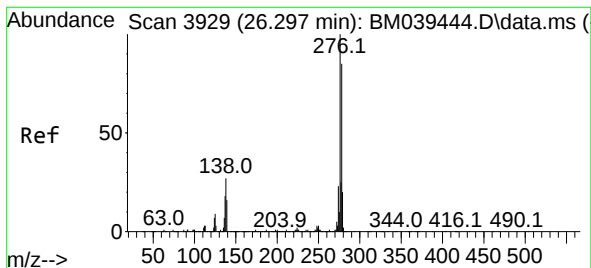
Ion Ratio Lower Upper

264 100

260 30.9 19.0 28.6#

265 32.6 18.0 27.0#





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.412 ng

RT: 26.377 min Scan# 3929

Delta R.T. 0.141 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

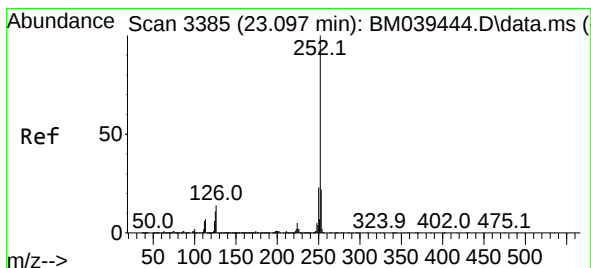
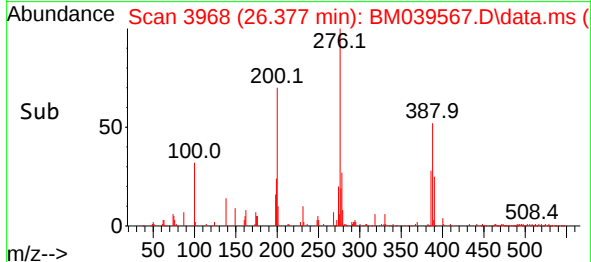
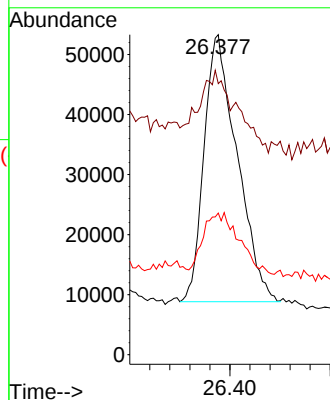
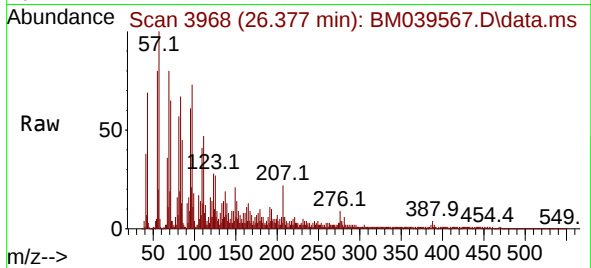
Tgt Ion:276 Resp: 203558

Ion Ratio Lower Upper

276 100

138 13.7 21.4 32.0#

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 19.294 ng

RT: 23.153 min Scan# 3420

Delta R.T. 0.082 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

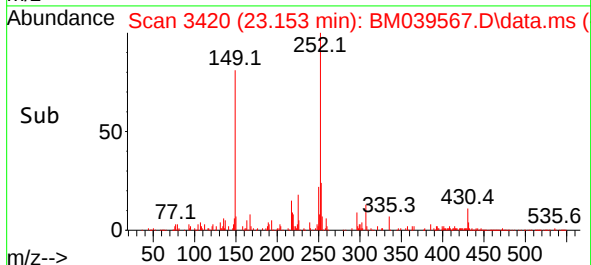
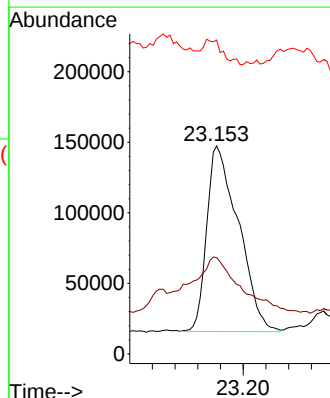
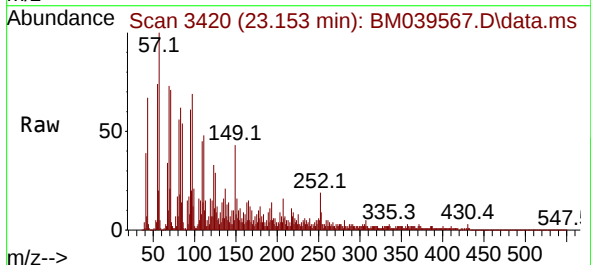
Tgt Ion:252 Resp: 508200

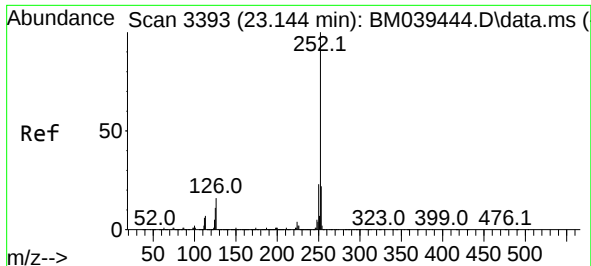
Ion Ratio Lower Upper

252 100

253 46.3 17.8 26.6#

125 150.9 8.9 13.3#

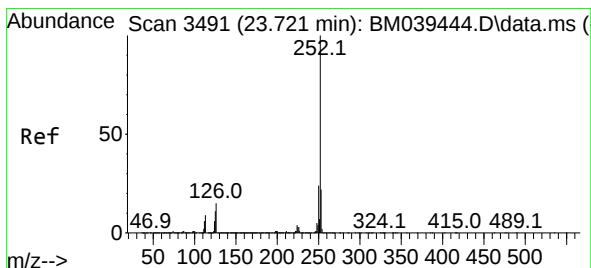
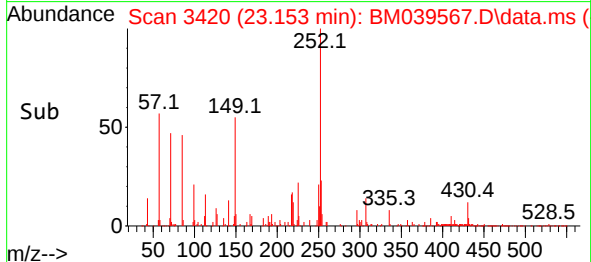
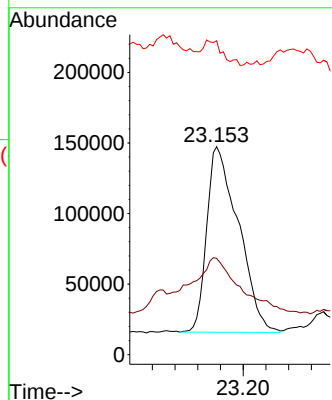
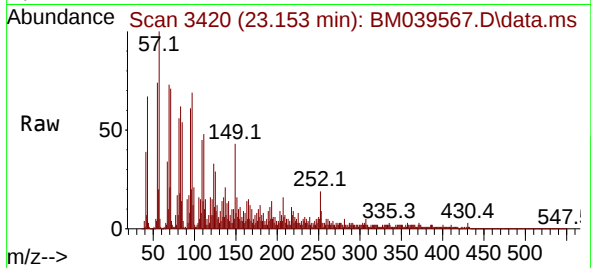




#89
Benzo(k)fluoranthene
Concen: 18.455 ng
RT: 23.153 min Scan# 34
Delta R.T. 0.035 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

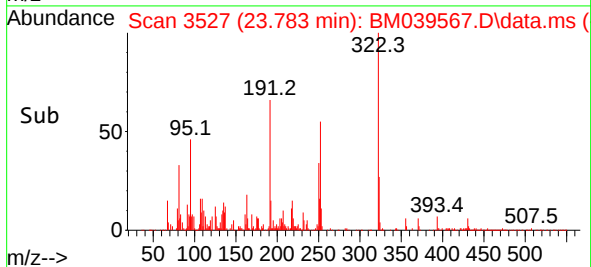
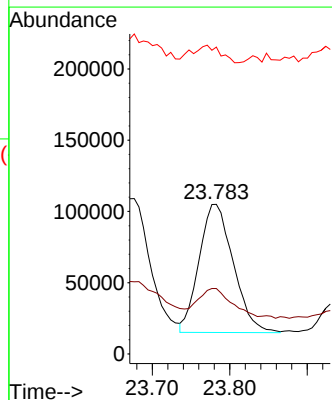
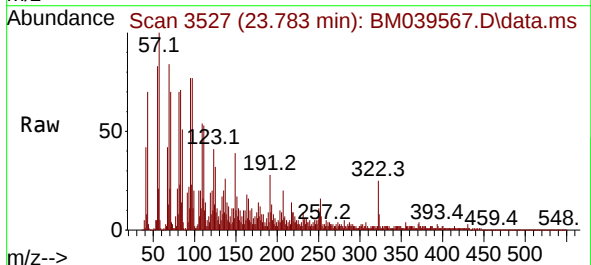
Instrument :
BNA_M
ClientSampleId :
SPA-5WC-23-04

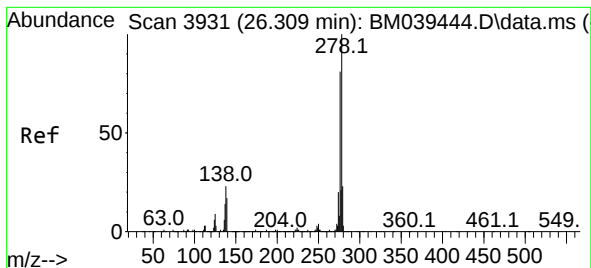
Tgt Ion:252 Resp: 508200
Ion Ratio Lower Upper
252 100
253 46.3 17.5 26.3#
125 150.9 8.8 13.2#



#90
Benzo(a)pyrene
Concen: 10.526 ng
RT: 23.783 min Scan# 3527
Delta R.T. 0.100 min
Lab File: BM039567.D
Acq: 22 Apr 2023 00:41

Tgt Ion:252 Resp: 275553
Ion Ratio Lower Upper
252 100
253 43.7 17.7 26.5#
125 205.1 9.0 13.6#





#91

Dibenzo(a,h)anthracene

Concen: 2.420 ng

RT: 26.377 min Scan# 3931

Delta R.T. 0.129 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Instrument :

BNA_M

ClientSampleId :

SPA-5WC-23-04

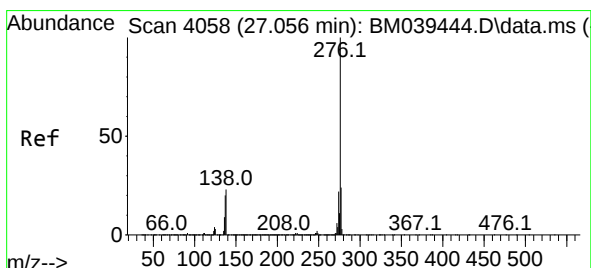
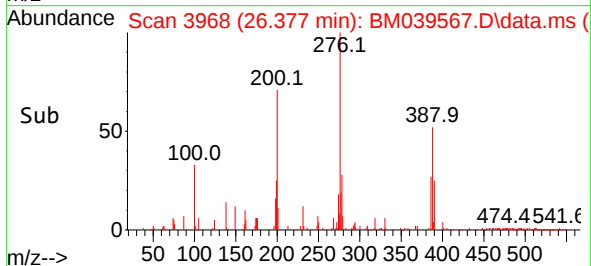
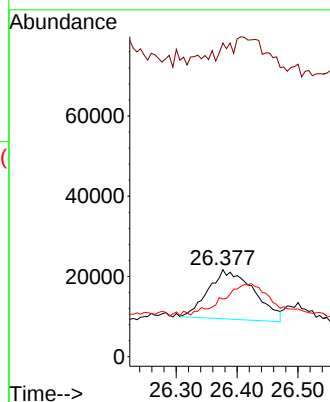
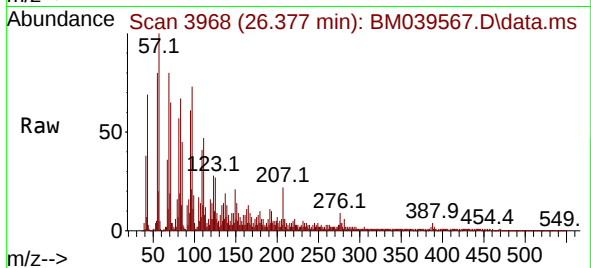
Tgt Ion:278 Resp: 63855

Ion Ratio Lower Upper

278 100

139 360.6 13.7 20.5#

279 66.2 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 9.958 ng

RT: 27.147 min Scan# 4099

Delta R.T. 0.159 min

Lab File: BM039567.D

Acq: 22 Apr 2023 00:41

Tgt Ion:276 Resp: 260435

Ion Ratio Lower Upper

276 100

277 39.5 19.1 28.7#

138 67.0 18.8 28.2#

