

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039565.D
 Acq On : 21 Apr 2023 23:29
 Operator : CG/JU
 Sample : 02386-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SPA-3WC-23-04

Quant Time: Apr 22 01:48:56 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	7.825	152	140523	20.000	ng	0.00
21) Naphthalene-d8	10.631	136	551868	20.000	ng	# 0.00
39) Acenaphthene-d10	14.483	164	343783	20.000	ng	0.00
64) Phenanthrene-d10	17.248	188	580212	20.000	ng	# 0.02
76) Chrysene-d12	21.447	240	425870	20.000	ng	# 0.02
86) Perylene-d12	23.841	264	507005	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	804586	93.547	ng	0.00
7) Phenol-d6	7.007	99	1021566	80.820	ng	0.00
23) Nitrobenzene-d5	8.995	82	698622	61.993	ng	0.00
42) 2,4,6-Tribromophenol	15.989	330	284857	63.854	ng	0.01
45) 2-Fluorobiphenyl	13.101	172	1233174	49.632	ng	0.00
79) Terphenyl-d14	19.883	244	1308849	55.444	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.119	88	22969	6.464	ng	# 1
6) Aniline	7.172	93	125698	7.882	ng	# 82
9) Benzaldehyde	6.960	77	252456	38.735	ng	# 1
11) bis(2-Chloroethyl)ether	7.248	93	147807	13.899	ng	# 28
12) 1,3-Dichlorobenzene	7.707	146	615860	60.595	ng	98
13) 1,4-Dichlorobenzene	7.860	146	2722324	267.174	ng	99
14) 1,2-Dichlorobenzene	8.178	146	2231922	220.561	ng	99
15) Benzyl Alcohol	8.095	79	52596	5.709	ng	# 57
17) 2-Methylphenol	8.289	107	40500	4.424	ng	# 55
18) Hexachloroethane	8.931	117	400191	98.781	ng	# 1
19) n-Nitroso-di-n-propyla...	8.695	70	253774	26.534	ng	# 56
20) 3+4-Methylphenols	8.625	107	42456	3.374	ng	# 1
22) Acetophenone	8.625	105	1126327	77.019	ng	# 57
24) Nitrobenzene	9.019	77	69507	6.262	ng	# 26
25) Isophorone	9.536	82	124636	5.340	ng	# 1
26) 2-Nitrophenol	9.742	139	10913	2.179	ng	# 1
27) 2,4-Dimethylphenol	9.819	122	208645	24.105	ng	# 76
28) bis(2-Chloroethoxy)met...	10.036	93	46058	3.472	ng	# 1
30) 1,2,4-Trichlorobenzene	10.495	180	635854	71.679	ng	100
31) Naphthalene	10.683	128	4142130	138.908	ng	99
32) Benzoic acid	10.078	122	9535	7.186	ng	# 1
35) Caprolactam	11.648	113	112959	33.794	ng	# 22
37) 2-Methylnaphthalene	12.301	142	3305018	150.818	ng	100
38) 1-Methylnaphthalene	12.519	142	1912920	92.635	ng	100
40) 1,2,4,5-Tetrachloroben...	12.666	216	21874	2.181	ng	# 56
46) 1,1'-Biphenyl	13.313	154	2450880	92.537	ng	99
48) 2-Nitroaniline	13.595	65	23290	3.459	ng	# 43
49) Acenaphthylene	14.207	152	113588	3.373	ng	# 1
51) 2,6-Dinitrotoluene	14.024	165	13823	2.336	ng	# 66
52) Acenaphthene	14.548	154	187189	9.387	ng	93
53) 3-Nitroaniline	14.442	138	20692	3.427	ng	# 47
54) 2,4-Dinitrophenol	14.642	184	1472	6.098	ng	# 1
55) Dibenzofuran	14.883	168	270688	8.448	ng	# 39
56) 4-Nitrophenol	14.777	139	26838	10.499	ng	# 1
57) 2,4-Dinitrotoluene	14.883	165	58730	7.262	ng	# 59
58) Fluorene	15.536	166	413614	15.916	ng	# 91

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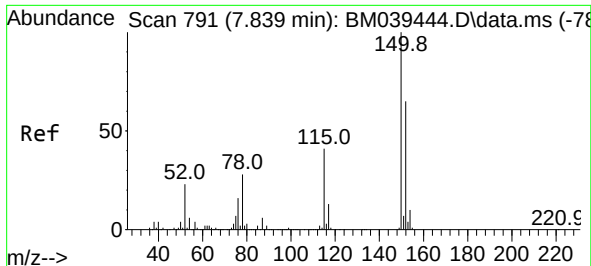
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 4-Nitroaniline	15.360	138	19377	5.888	ng	83
63) Azobenzene	16.001	77	1574179	55.992	ng	75
65) 4,6-Dinitro-2-methylph...	15.648	198	8862	2.439	ng #	1
66) n-Nitrosodiphenylamine	15.748	169	561104	31.897	ng #	81
71) Phenanthrene	17.289	178	1875050	59.596	ng	96
72) Anthracene	17.377	178	1712892	53.074	ng	97
73) Carbazole	17.554	167	361906	12.329	ng	93
74) Di-n-butylphthalate	18.218	149	438700	10.751	ng #	84
75) Fluoranthene	19.318	202	934247	24.475	ng	92
78) Pyrene	19.683	202	1018869	32.532	ng #	91
80) Butylbenzylphthalate	20.577	149	450884	29.033	ng #	74
81) Benzo(a)anthracene	21.430	228	277574	9.178	ng #	68
83) Chrysene	21.483	228	398656	13.600	ng #	76
84) Bis(2-ethylhexyl)phtha...	21.383	149	14111121	596.065	ng #	91
85) Di-n-octyl phthalate	22.277	149	3172812	77.938	ng #	79
87) Indeno(1,2,3-cd)pyrene	26.312	276	200795	5.390	ng #	94
88) Benzo(b)fluoranthene	23.118	252	537943	17.402	ng #	1
89) Benzo(k)fluoranthene	23.118	252	536548	16.602	ng #	1
90) Benzo(a)pyrene	23.736	252	275564	8.969	ng #	1
91) Dibenzo(a,h)anthracene	26.324	278	71902	2.322	ng #	1
92) Benzo(g,h,i)perylene	27.076	276	247700	8.070	ng #	70

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

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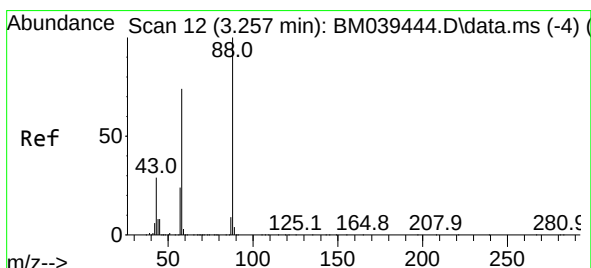
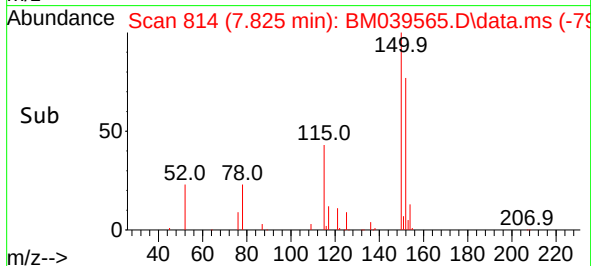
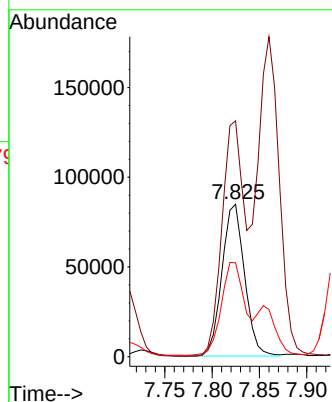
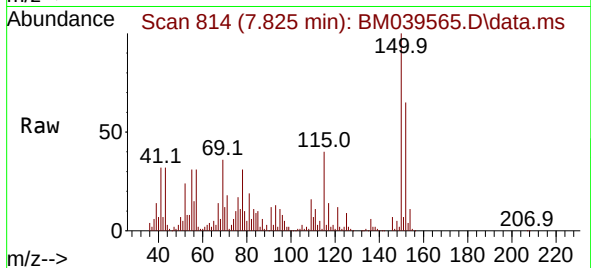




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.825 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

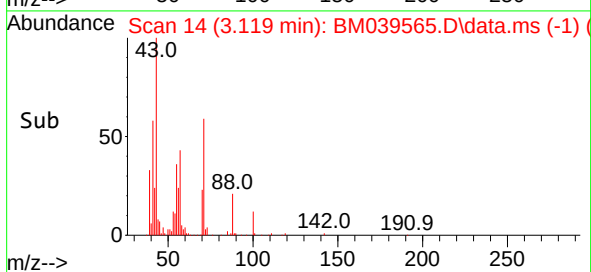
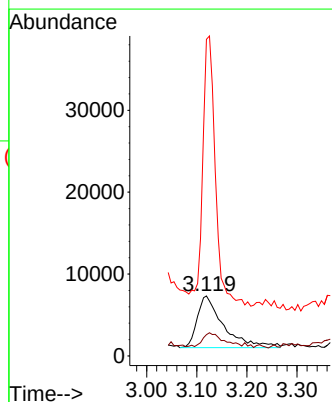
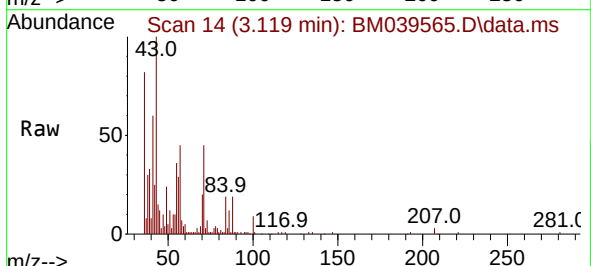
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ClientSampleId :
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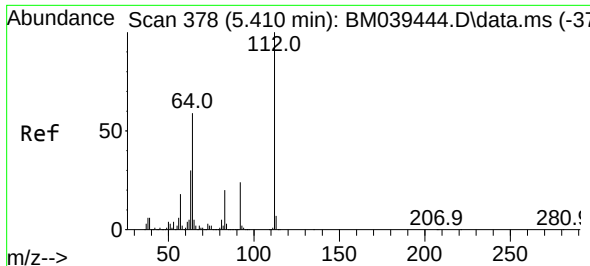
Tgt Ion:152 Resp: 140523
Ion Ratio Lower Upper
152 100
150 154.7 123.0 184.4
115 61.6 49.9 74.9



#2
1,4-Dioxane
Concen: 6.464 ng
RT: 3.119 min Scan# 14
Delta R.T. -0.129 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion: 88 Resp: 22969
Ion Ratio Lower Upper
88 100
58 18.4 59.4 89.2#
43 250.0 23.4 35.2#

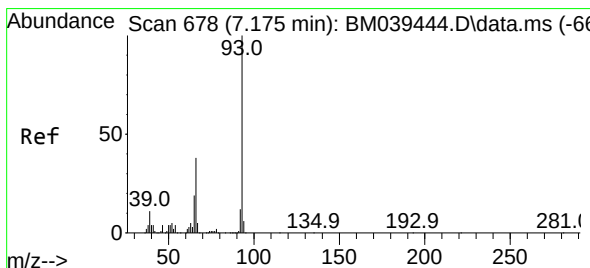
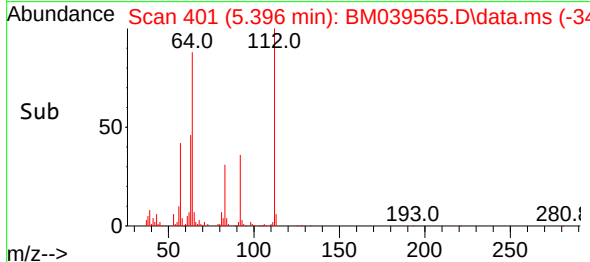
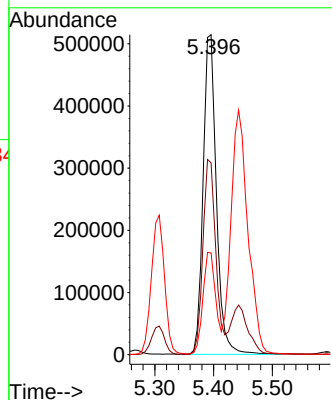
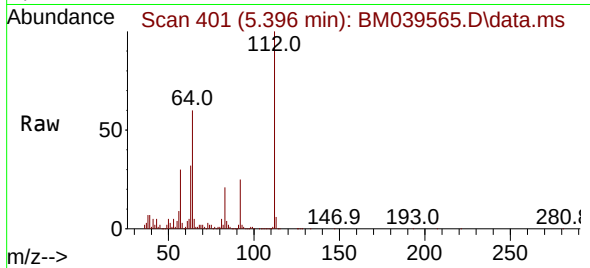




#5
2-Fluorophenol
Concen: 93.547 ng
RT: 5.396 min Scan# 401
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

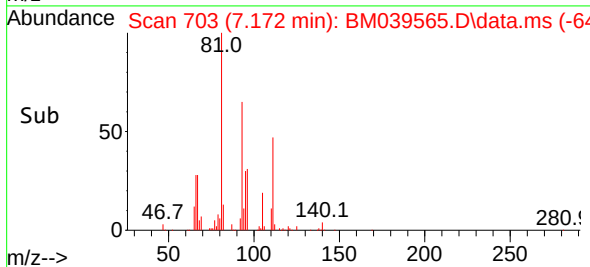
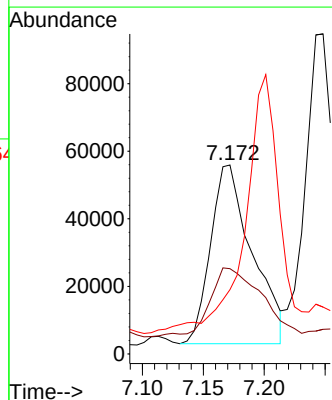
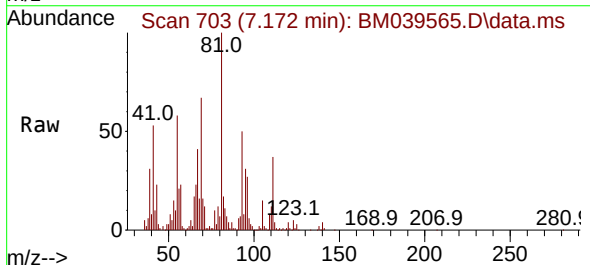
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ClientSampleId :
SPA-3WC-23-04

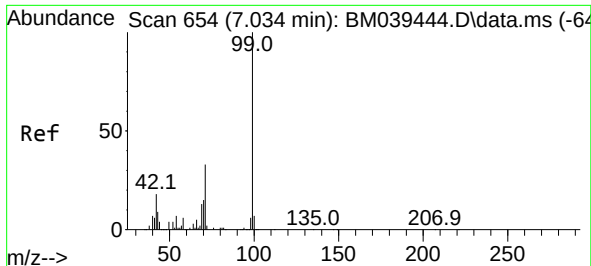
Tgt Ion: 112 Resp: 804586
Ion Ratio Lower Upper
112 100
64 59.9 47.0 70.4
63 31.8 24.2 36.4



#6
Aniline
Concen: 7.882 ng
RT: 7.172 min Scan# 703
Delta R.T. 0.018 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion: 93 Resp: 125698
Ion Ratio Lower Upper
93 100
66 45.1 30.6 46.0
65 34.0 15.7 23.5

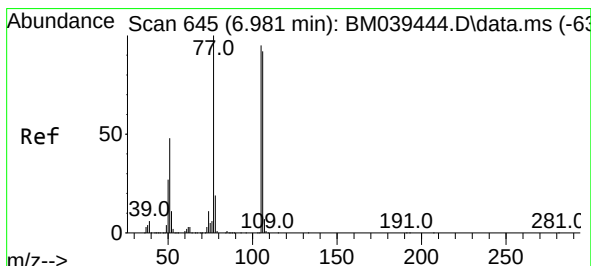
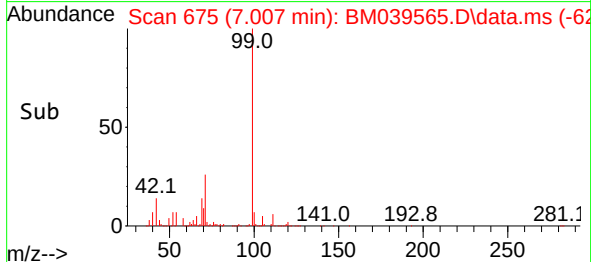
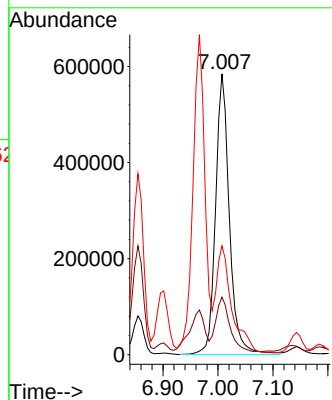
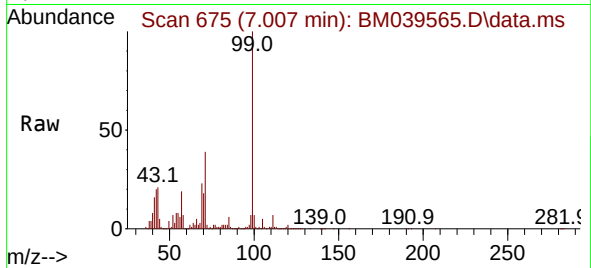




#7
Phenol-d6
Concen: 80.820 ng
RT: 7.007 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

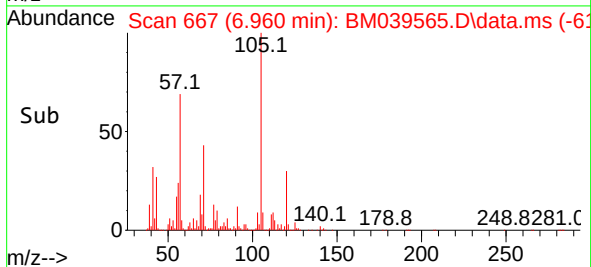
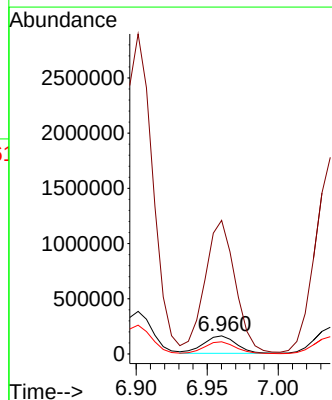
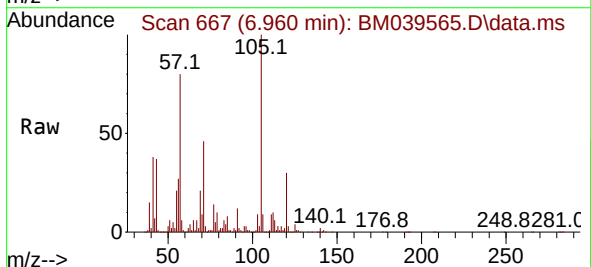
Instrument :
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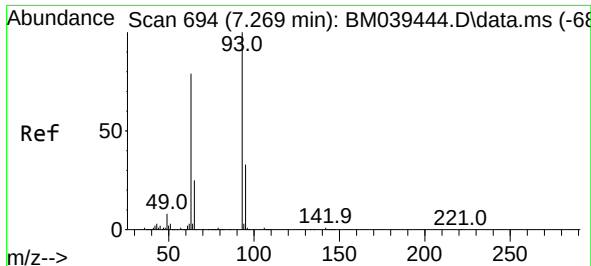
Tgt Ion: 99 Resp: 1021566
Ion Ratio Lower Upper
99 100
42 20.5 14.2 21.4
71 38.7 26.8 40.2



#9
Benzaldehyde
Concen: 38.735 ng
RT: 6.960 min Scan# 667
Delta R.T. -0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion: 77 Resp: 252456
Ion Ratio Lower Upper
77 100
105 736.4 75.3 115.3#
106 67.2 71.9 111.9#

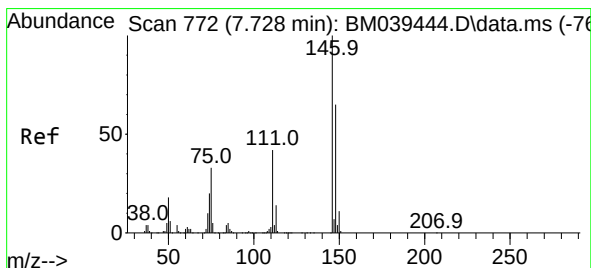
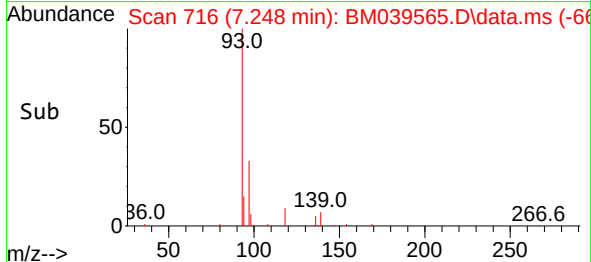
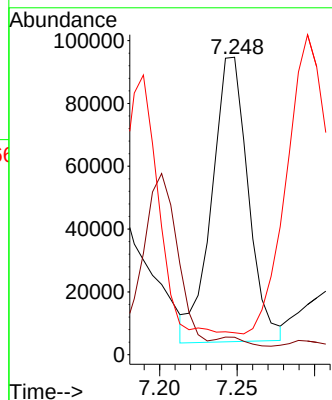
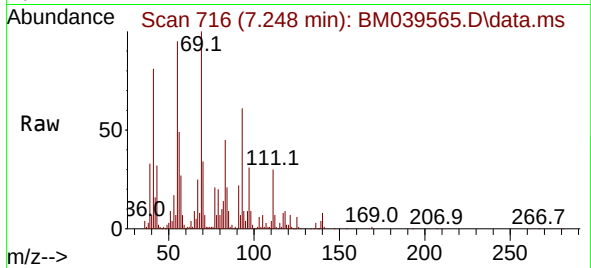




#11
bis(2-Chloroethyl)ether
Concen: 13.899 ng
RT: 7.248 min Scan# 716
Delta R.T. -0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

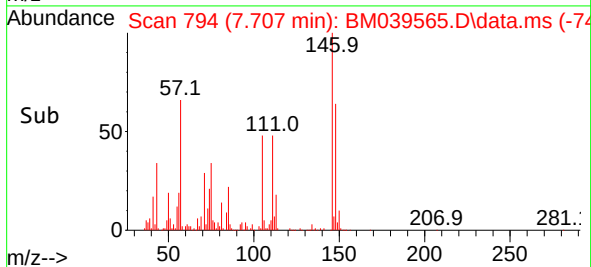
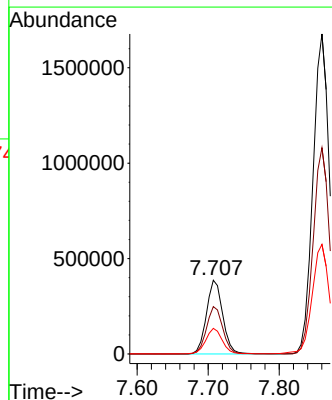
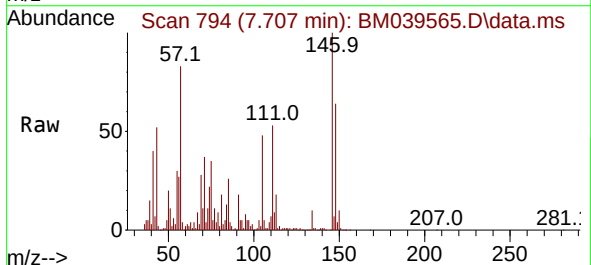
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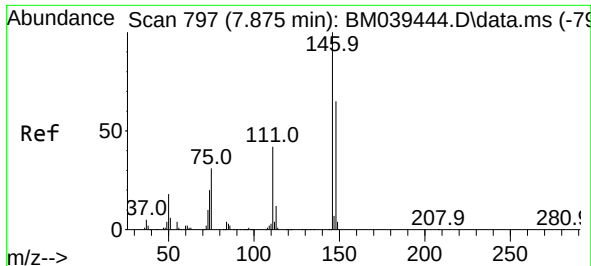
Tgt Ion: 93 Resp: 147807
Ion Ratio Lower Upper
93 100
63 5.8 58.1 98.1#
95 7.4 12.4 52.4#



#12
1,3-Dichlorobenzene
Concen: 60.595 ng
RT: 7.707 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion: 146 Resp: 615860
Ion Ratio Lower Upper
146 100
148 64.2 52.0 78.0
75 34.6 26.6 39.8

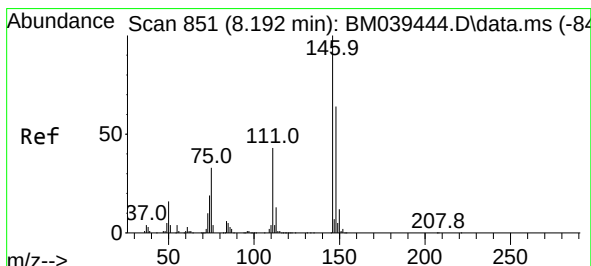
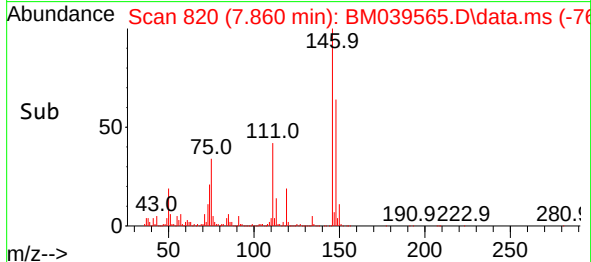
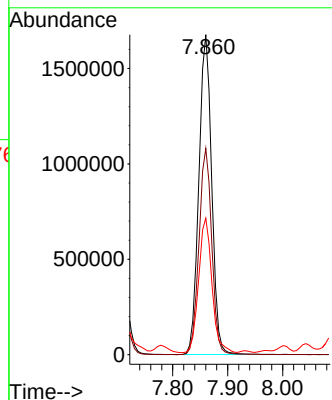
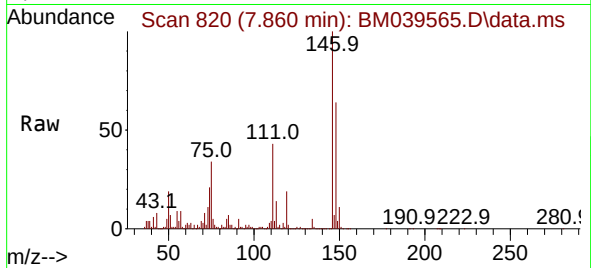




#13
1,4-Dichlorobenzene
Concen: 267.174 ng
RT: 7.860 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM039565.D
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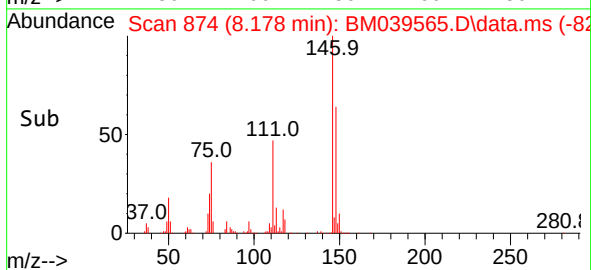
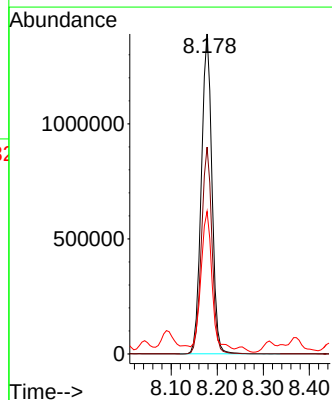
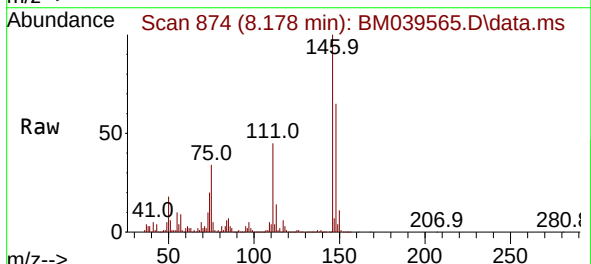
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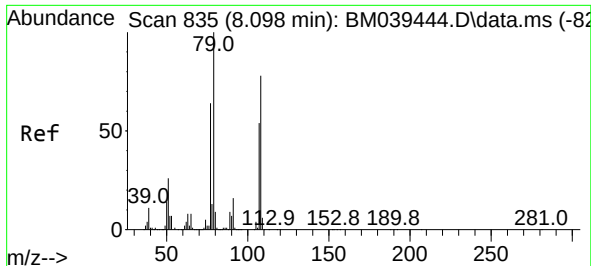
Tgt Ion:146 Resp: 2722324
Ion Ratio Lower Upper
146 100
148 64.5 51.7 77.5
111 42.7 33.5 50.3



#14
1,2-Dichlorobenzene
Concen: 220.561 ng
RT: 8.178 min Scan# 874
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:146 Resp: 2231922
Ion Ratio Lower Upper
146 100
148 64.7 51.4 77.2
111 44.6 34.3 51.5

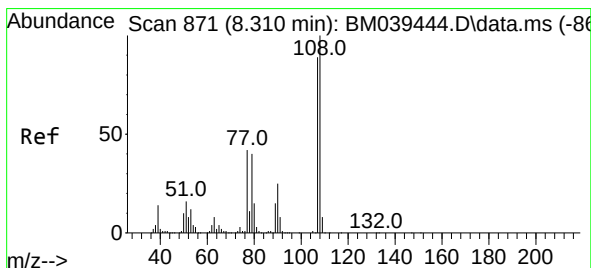
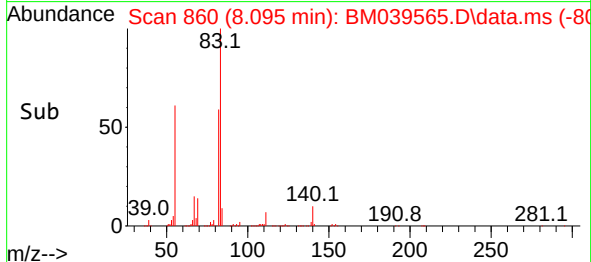
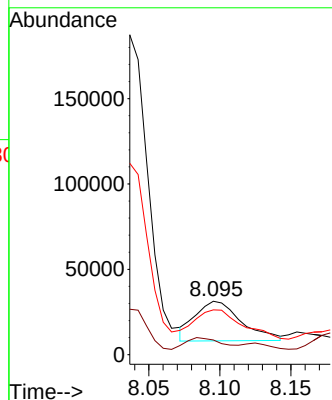
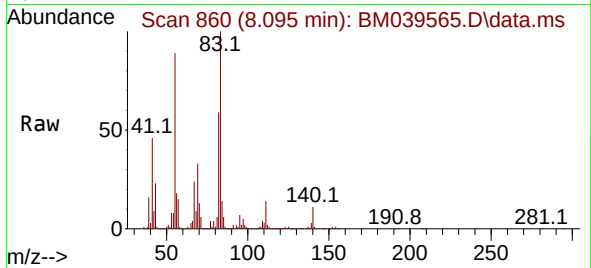




#15
Benzyl Alcohol
Concen: 5.709 ng
RT: 8.095 min Scan# 80
Delta R.T. 0.018 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

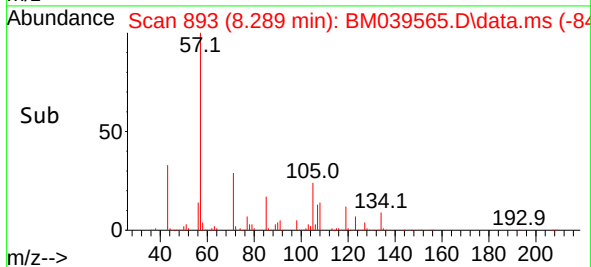
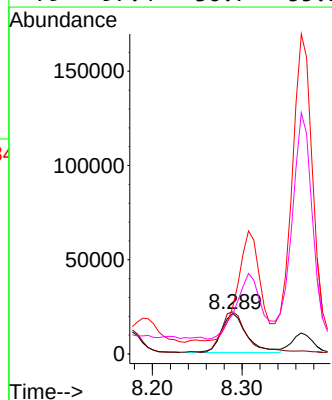
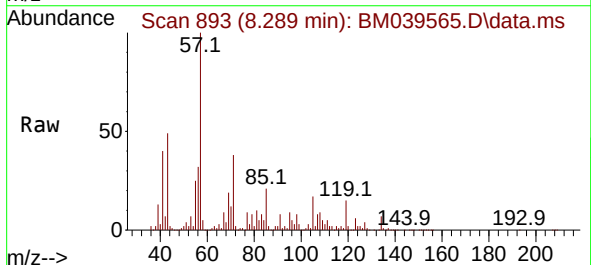
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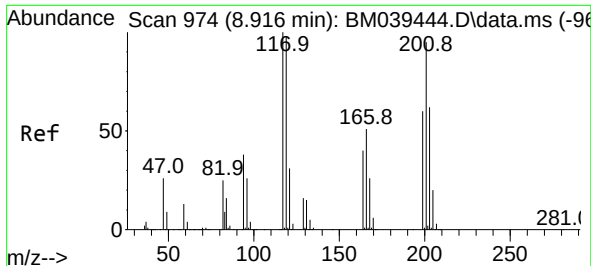
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Ion Ratio Lower Upper
79 100
108 27.5 62.6 93.8#
77 83.8 51.5 77.3#



#17
2-Methylphenol
Concen: 4.424 ng
RT: 8.289 min Scan# 893
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion: 107 Resp: 40500
Ion Ratio Lower Upper
107 100
108 104.1 90.3 135.5
77 115.0 38.6 58.0#
79 97.4 36.7 55.1#

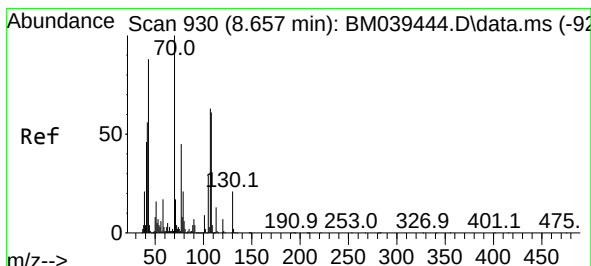
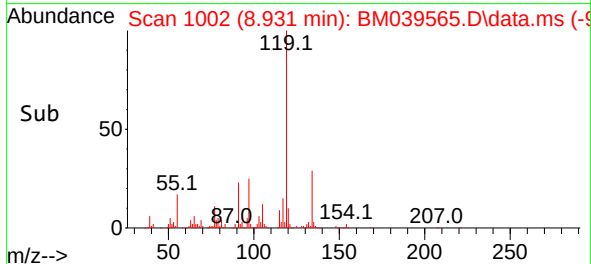
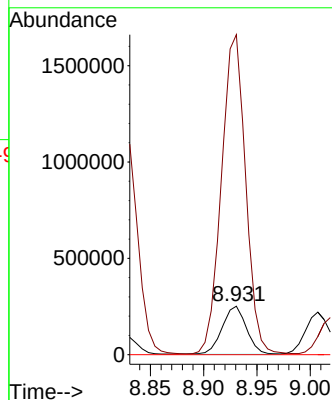
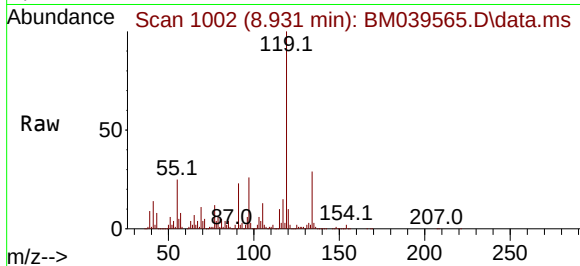




#18
Hexachloroethane
Concen: 98.781 ng
RT: 8.931 min Scan# 1002
Delta R.T. 0.035 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

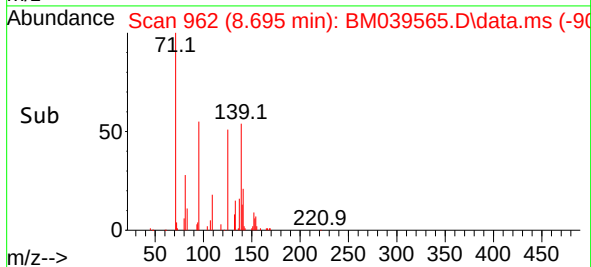
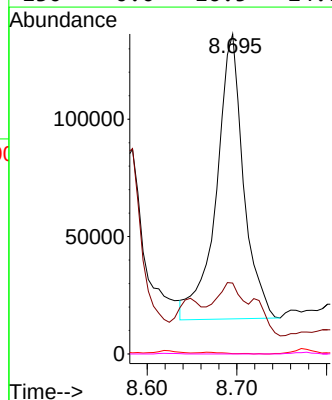
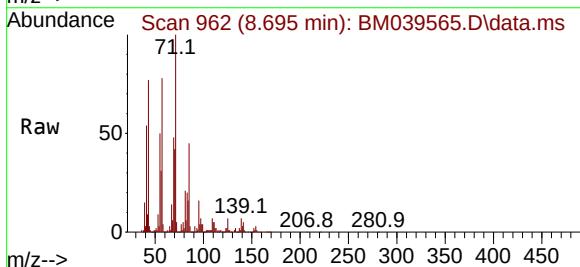
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

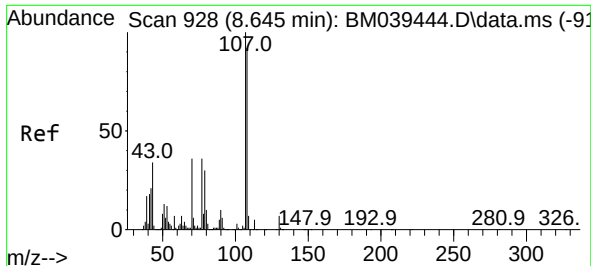
Tgt Ion:117 Resp: 400191
Ion Ratio Lower Upper
117 100
119 659.7 78.2 117.2#
201 0.0 76.0 114.0#



#19
n-Nitroso-di-n-propylamine
Concen: 26.534 ng
RT: 8.695 min Scan# 962
Delta R.T. 0.053 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion: 70 Resp: 253774
Ion Ratio Lower Upper
70 100
42 22.1 44.7 67.1#
101 0.1 7.5 11.3#
130 0.0 16.5 24.7#

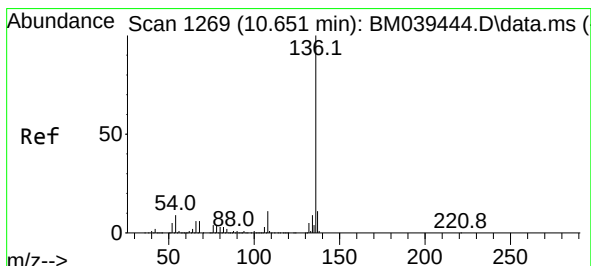
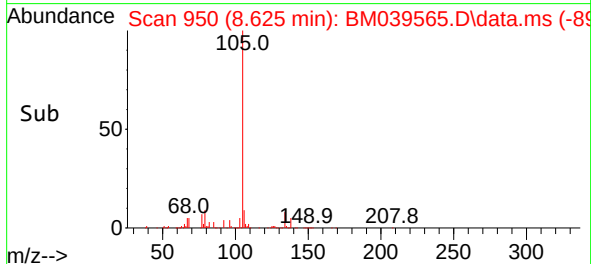
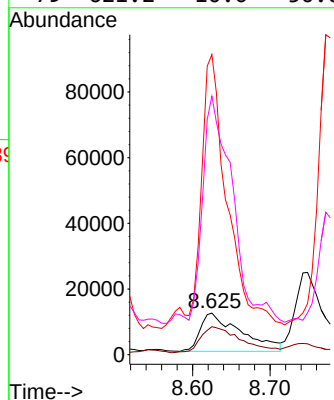
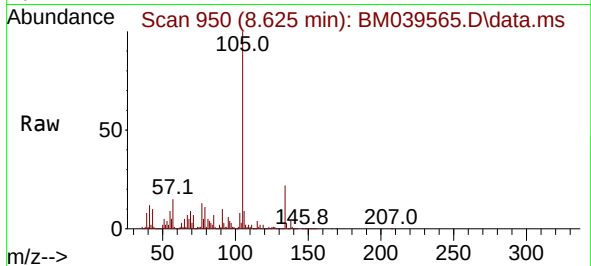




#20
3+4-Methylphenols
Concen: 3.374 ng
RT: 8.625 min Scan# 91
Delta R.T. 0.012 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

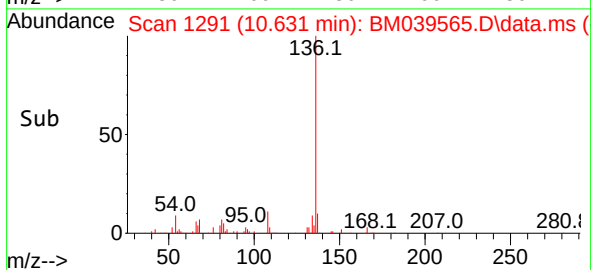
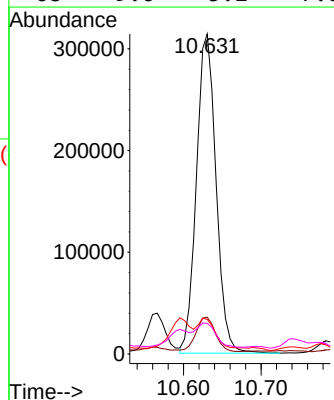
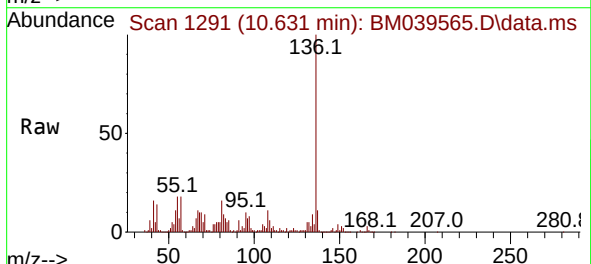
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BNA_M
ClientSampleId :
SPA-3WC-23-04

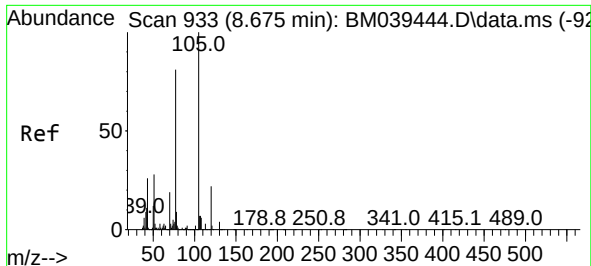
Tgt Ion:107 Resp: 42456
Ion Ratio Lower Upper
107 100
108 67.4 71.6 111.6#
77 721.1 16.2 56.2#
79 621.2 10.0 50.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.631 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:136 Resp: 551868
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 10.8 6.9 10.3#
68 9.6 5.2 7.8#

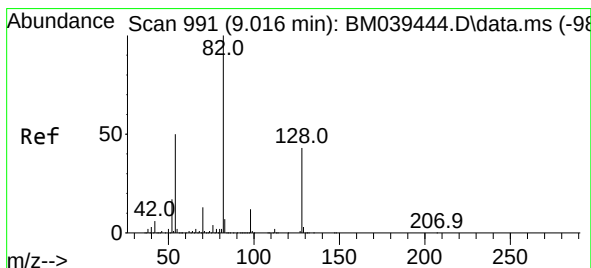
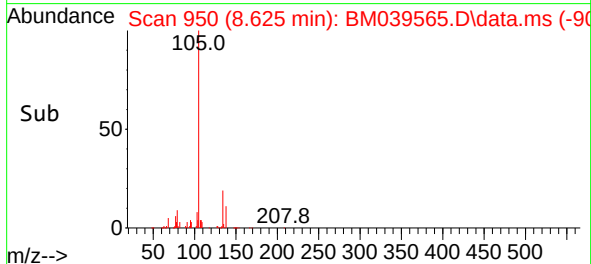
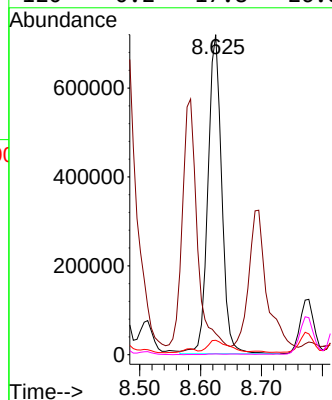
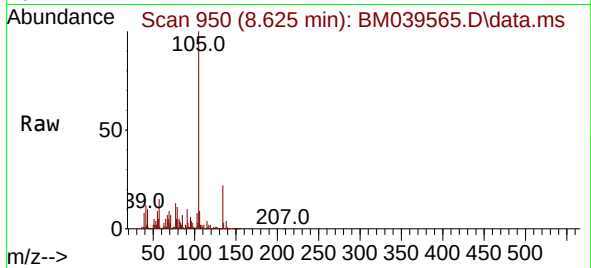




#22
Acetophenone
Concen: 77.019 ng
RT: 8.625 min Scan# 91
Delta R.T. -0.029 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

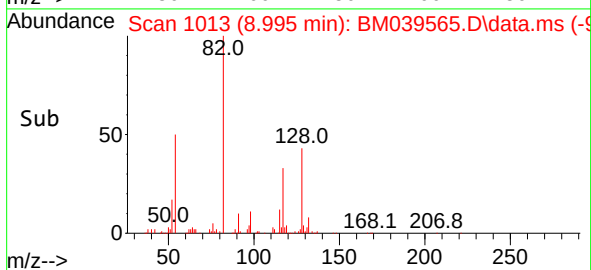
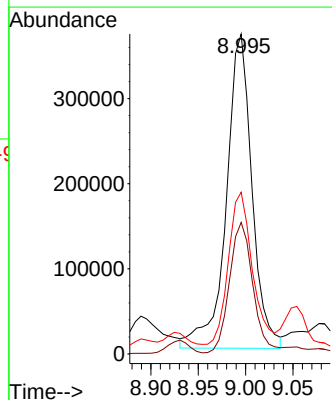
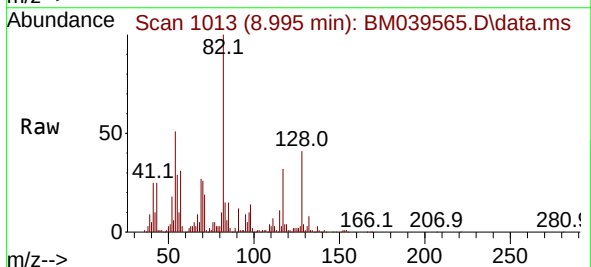
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

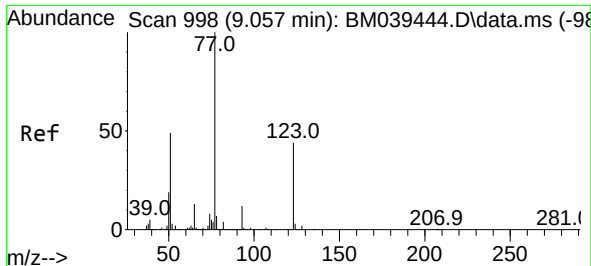
Tgt Ion:105 Resp: 1126327
Ion Ratio Lower Upper
105 100
71 6.6 2.6 3.8#
51 4.5 22.3 33.5#
120 0.2 17.8 26.8#



#23
Nitrobenzene-d5
Concen: 61.993 ng
RT: 8.995 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion: 82 Resp: 698622
Ion Ratio Lower Upper
82 100
128 41.1 34.2 51.2
54 50.5 39.7 59.5

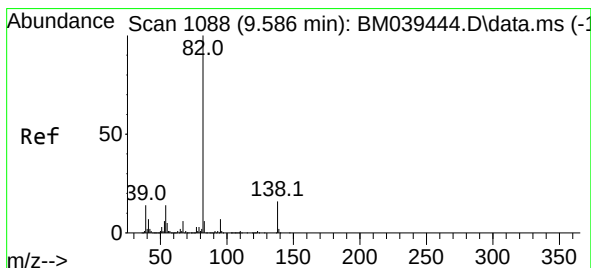
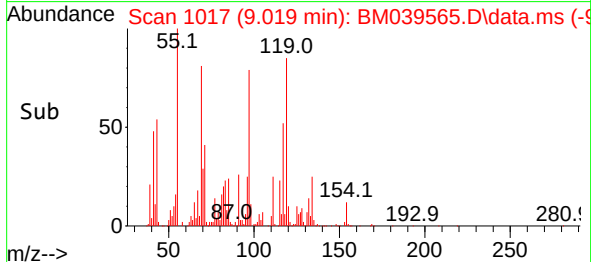
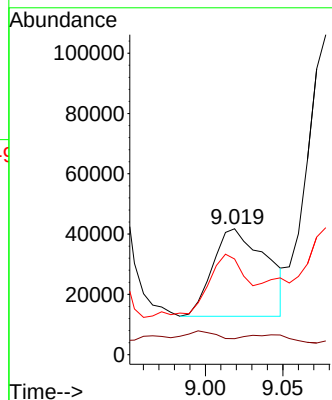
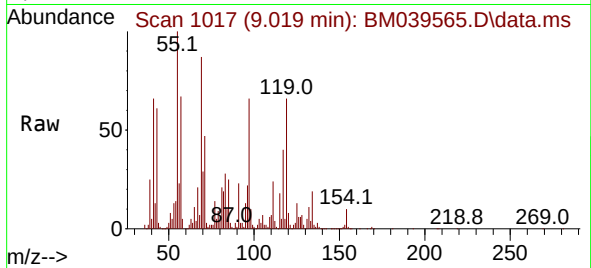




#24
Nitrobenzene
Concen: 6.262 ng
RT: 9.019 min Scan# 1105
Delta R.T. -0.018 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

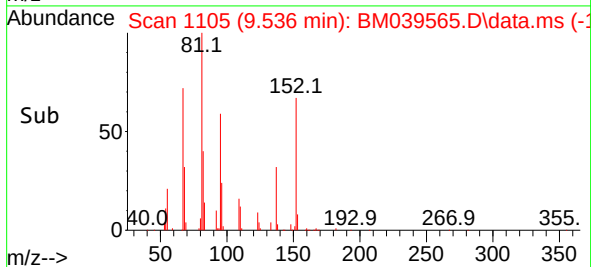
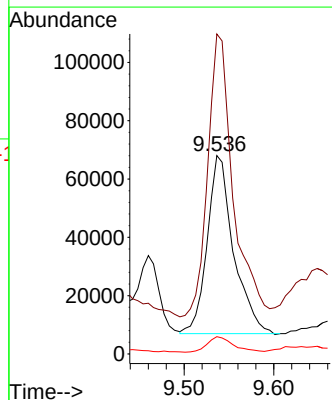
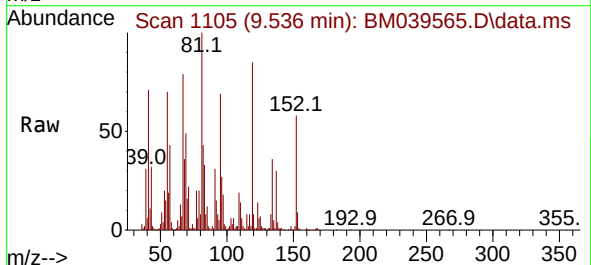
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

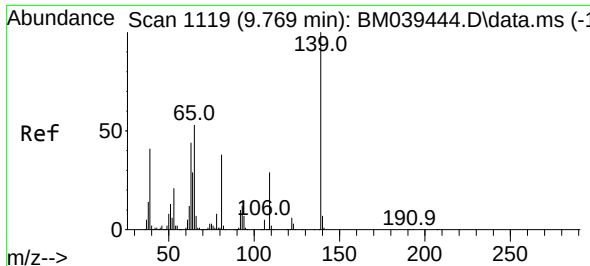
Tgt Ion: 77 Resp: 69507
Ion Ratio Lower Upper
77 100
123 12.7 35.0 52.6#
65 76.0 10.4 15.6#



#25
Isophorone
Concen: 5.340 ng
RT: 9.536 min Scan# 1105
Delta R.T. -0.029 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion: 82 Resp: 124636
Ion Ratio Lower Upper
82 100
95 161.3 5.2 7.8#
138 8.7 13.1 19.7#

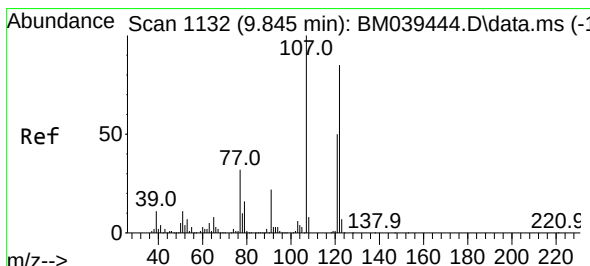
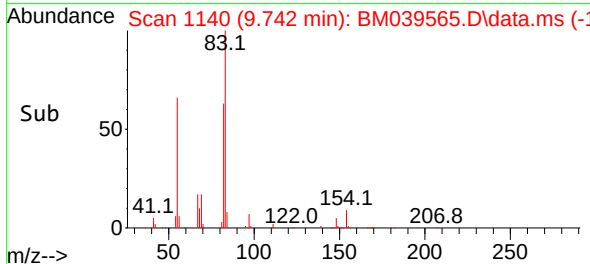
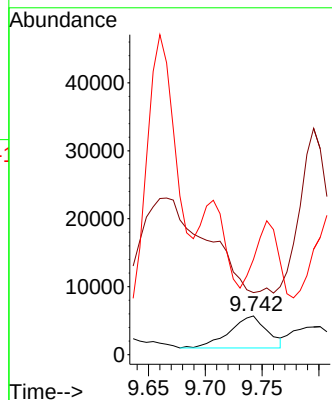
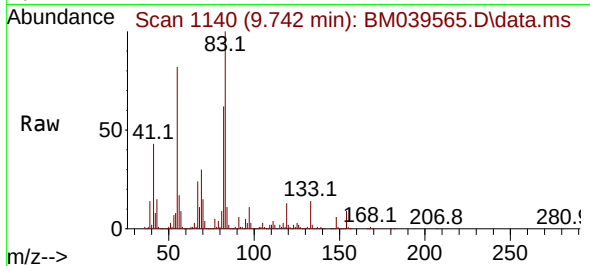




#26
2-Nitrophenol
Concen: 2.179 ng
RT: 9.742 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

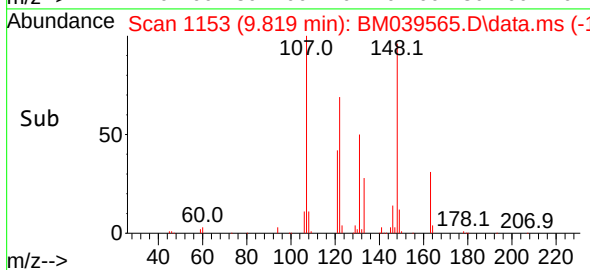
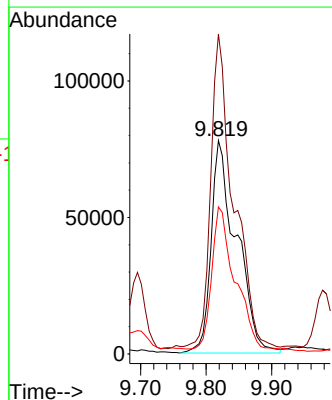
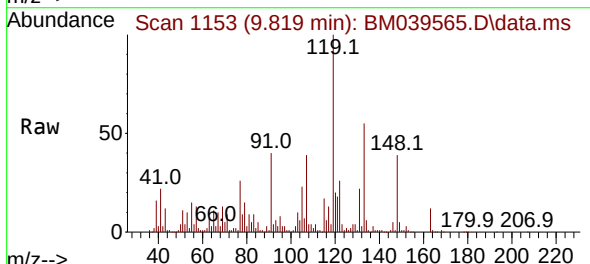
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

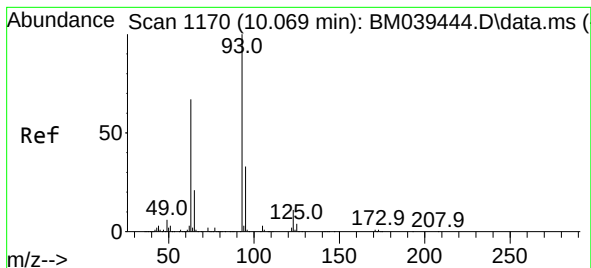
Tgt Ion:139 Resp: 10913
Ion Ratio Lower Upper
139 100
109 160.2 23.0 34.6#
65 246.5 42.9 64.3#



#27
2,4-Dimethylphenol
Concen: 24.105 ng
RT: 9.819 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:122 Resp: 208645
Ion Ratio Lower Upper
122 100
107 150.0 94.3 141.5#
121 68.9 46.7 70.1

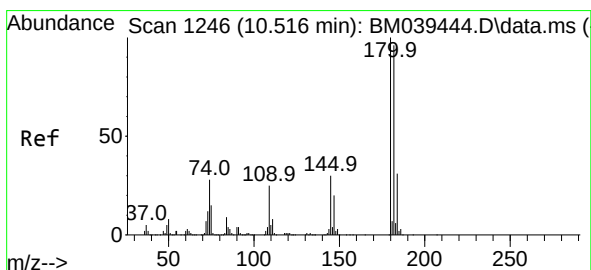
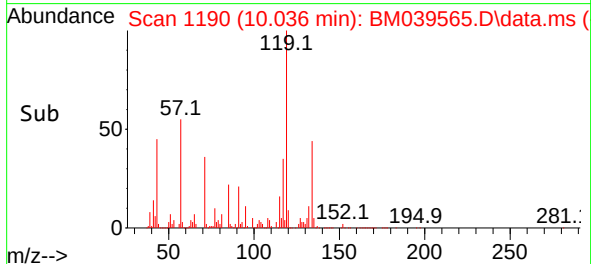
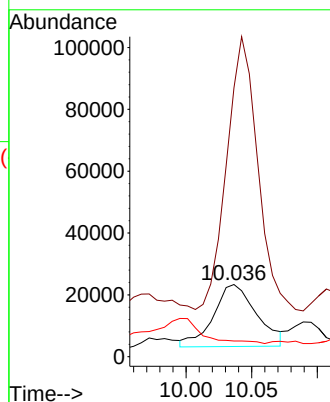
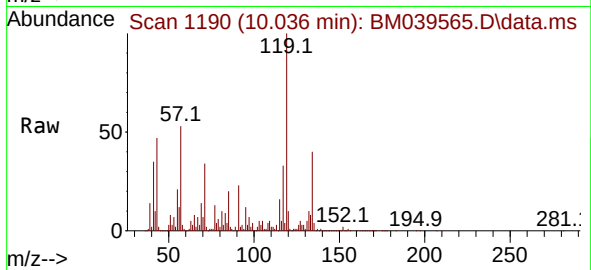




#28
bis(2-Chloroethoxy)methane
Concen: 3.472 ng
RT: 10.036 min Scan# 1170
Delta R.T. -0.012 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

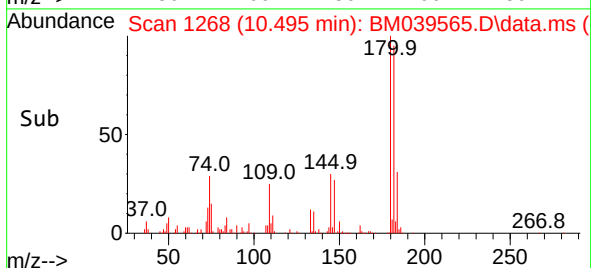
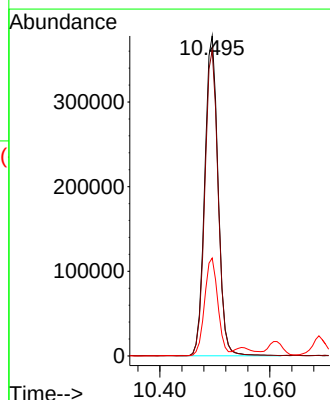
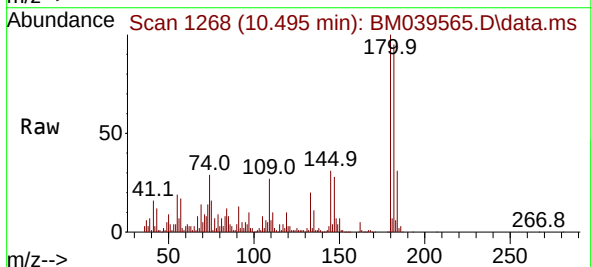
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

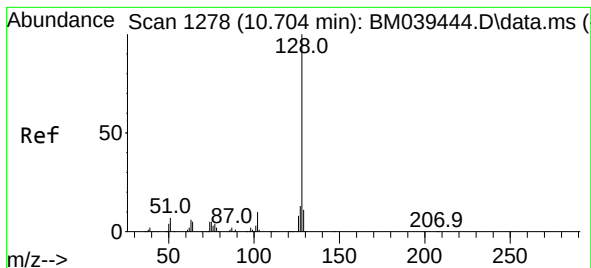
Tgt Ion: 93 Resp: 46058
Ion Ratio Lower Upper
93 100
95 372.1 26.0 39.0#
123 21.6 8.8 13.2#



#30
1,2,4-Trichlorobenzene
Concen: 71.679 ng
RT: 10.495 min Scan# 1268
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion: 180 Resp: 635854
Ion Ratio Lower Upper
180 100
182 95.5 76.5 114.7
145 30.6 24.2 36.4

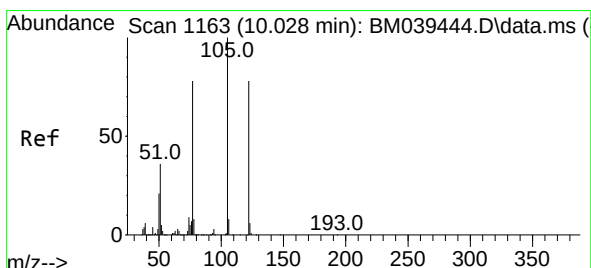
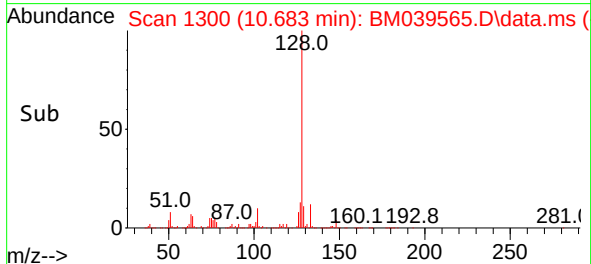
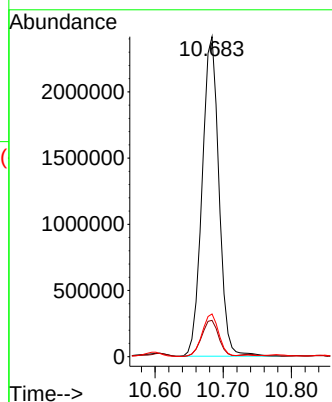
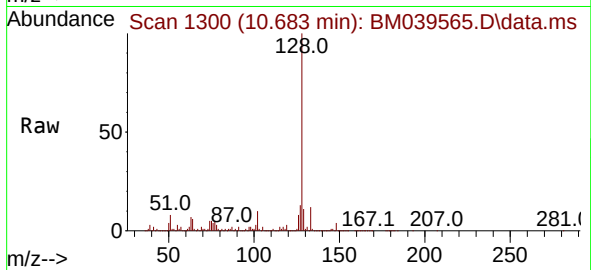




#31
Naphthalene
Concen: 138.908 ng
RT: 10.683 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

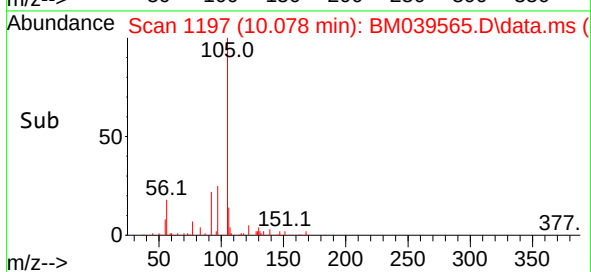
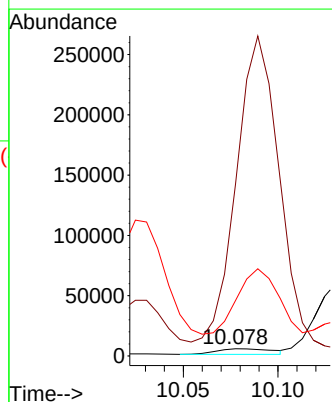
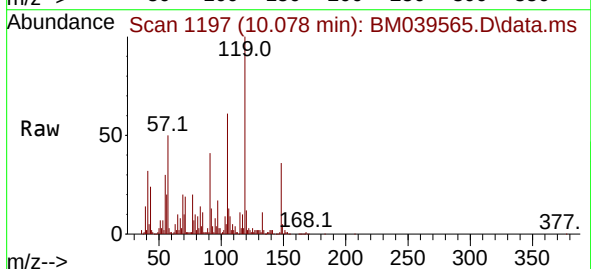
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

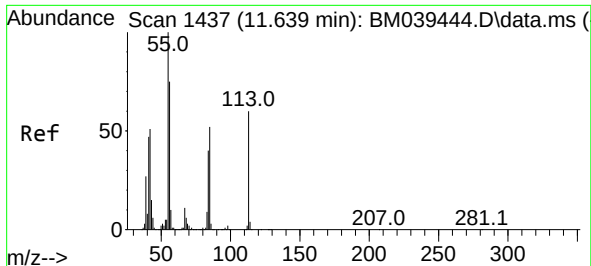
Tgt Ion:128 Resp: 4142130
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.4 10.3 15.5



#32
Benzoic acid
Concen: 7.186 ng
RT: 10.078 min Scan# 1197
Delta R.T. 0.071 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:122 Resp: 9535
Ion Ratio Lower Upper
122 100
105 2392.9 105.9 145.9#
77 772.0 78.8 118.8#

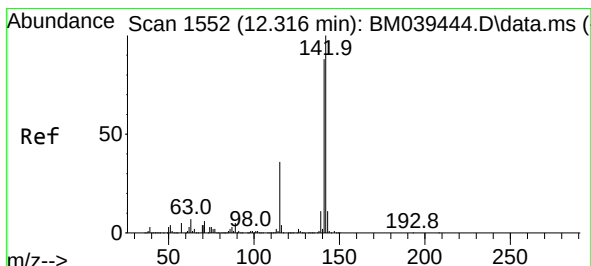
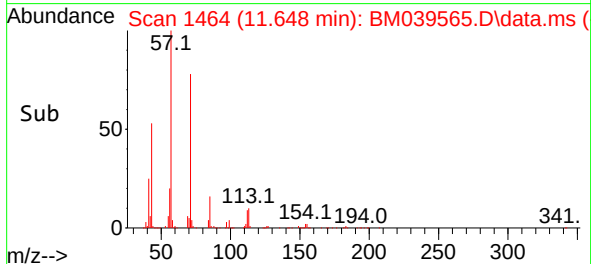
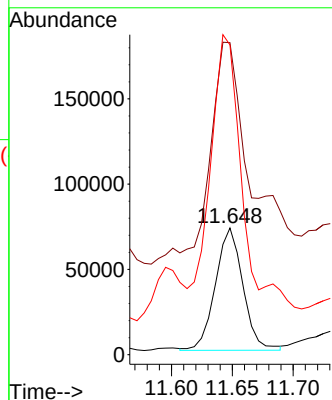
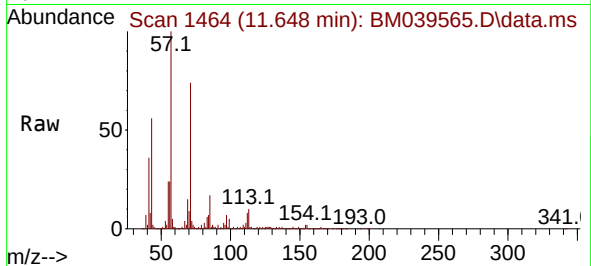




#35
Caprolactam
Concen: 33.794 ng
RT: 11.648 min Scan# 1437
Delta R.T. 0.035 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

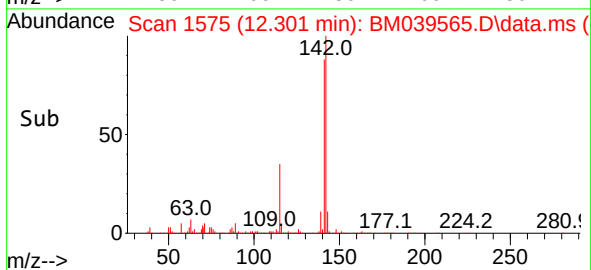
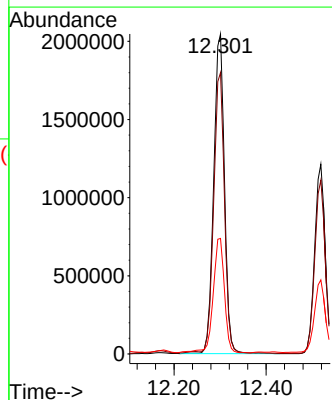
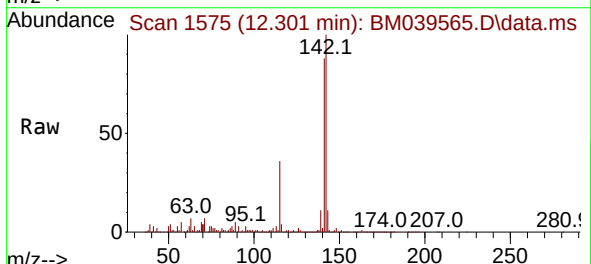
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

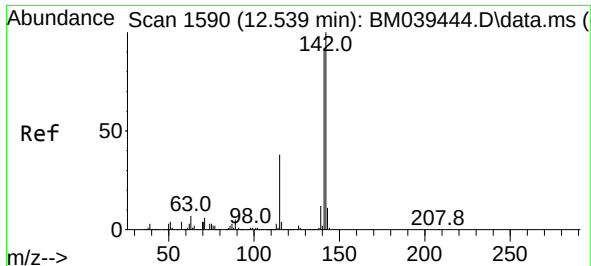
Tgt Ion:113 Resp: 112959
Ion Ratio Lower Upper
113 100
55 246.2 147.8 187.8#
56 244.4 105.6 145.6#



#37
2-Methylnaphthalene
Concen: 150.818 ng
RT: 12.301 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:142 Resp: 3305018
Ion Ratio Lower Upper
142 100
141 87.9 70.4 105.6
115 36.1 28.8 43.2

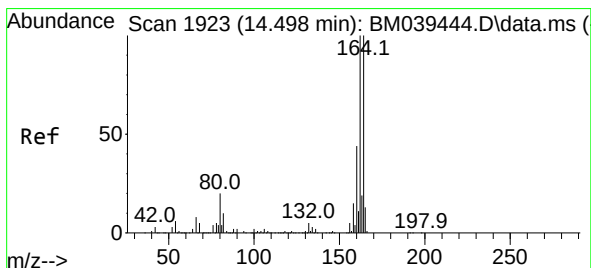
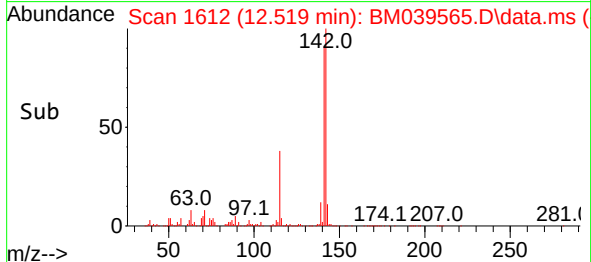
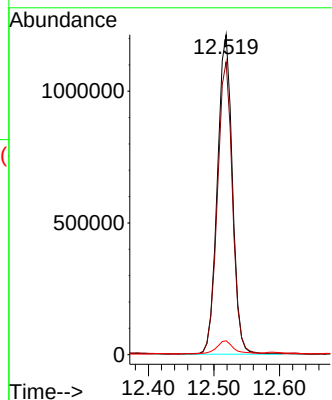
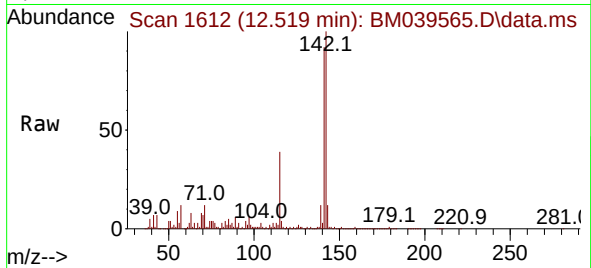




#38
1-Methylnaphthalene
Concen: 92.635 ng
RT: 12.519 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

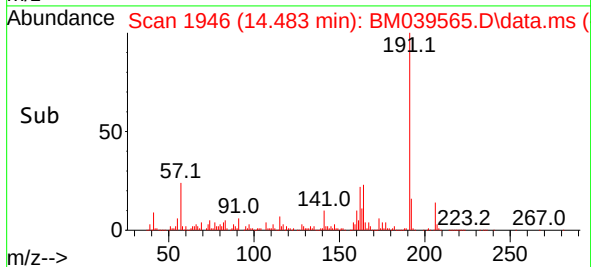
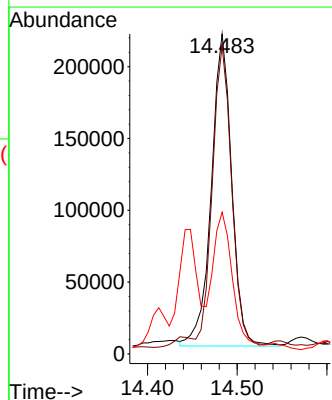
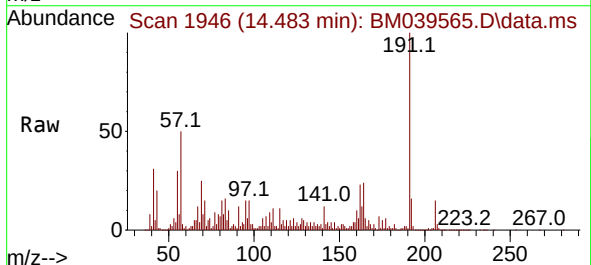
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

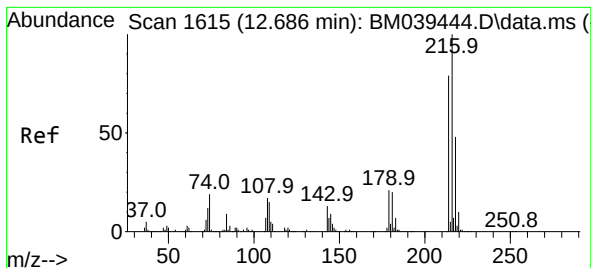
Tgt Ion:142 Resp: 1912920
Ion Ratio Lower Upper
142 100
141 91.5 73.3 109.9
116 4.4 3.1 4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1946
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:164 Resp: 343783
Ion Ratio Lower Upper
164 100
162 96.2 79.8 119.8
160 44.3 35.0 52.4





#40

1,2,4,5-Tetrachlorobenzene

Concen: 2.181 ng

RT: 12.666 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

Instrument :

BNA_M

ClientSampleId :

SPA-3WC-23-04

Tgt Ion:216 Resp: 21874

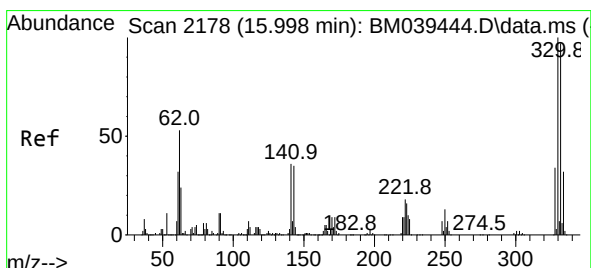
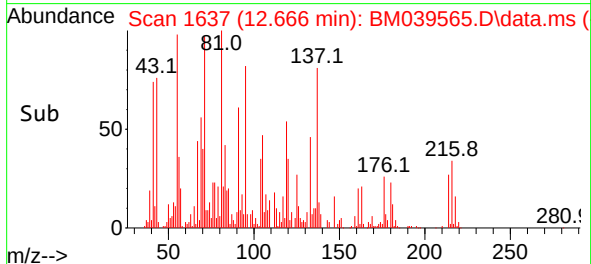
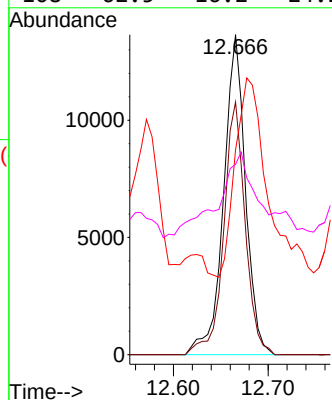
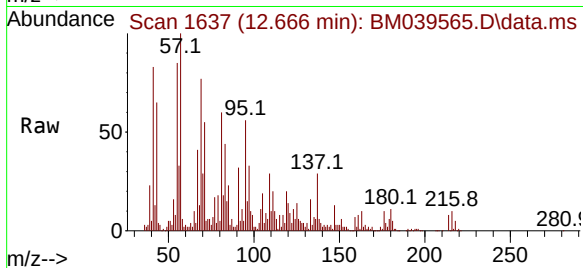
Ion Ratio Lower Upper

216 100

214 77.8 63.0 94.6

179 94.9 16.8 25.2#

108 62.5 16.2 24.2#



#42

2,4,6-Tribromophenol

Concen: 63.854 ng

RT: 15.989 min Scan# 2202

Delta R.T. 0.012 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

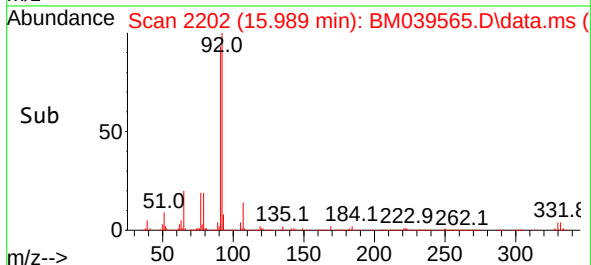
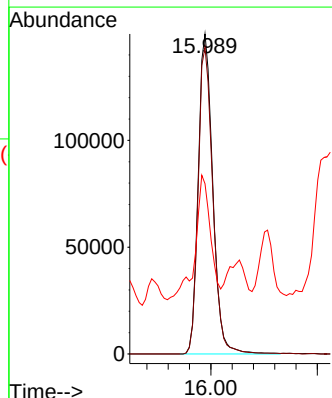
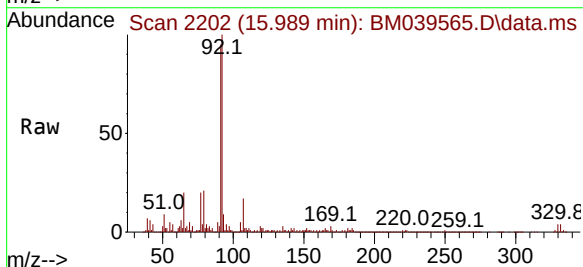
Tgt Ion:330 Resp: 284857

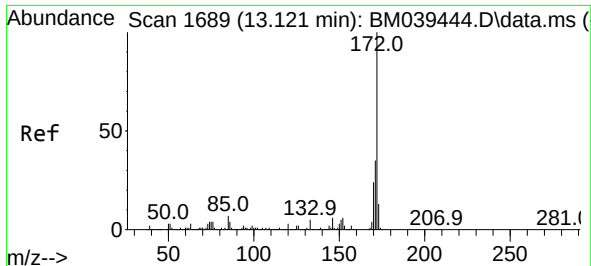
Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

141 40.4 31.0 46.6

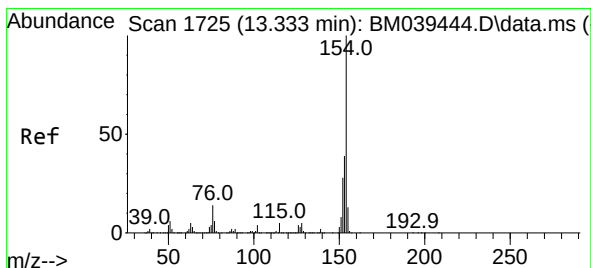
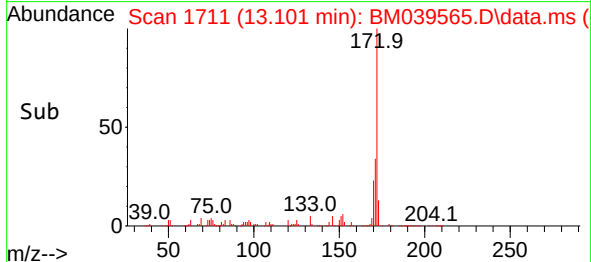
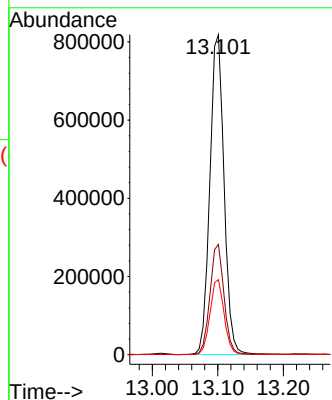
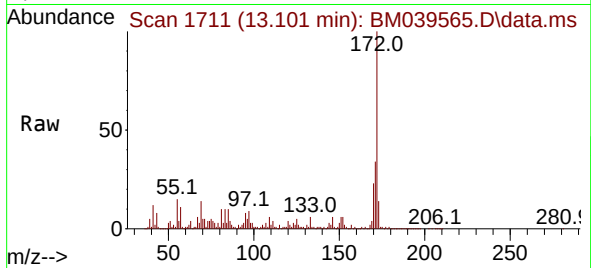




#45
2-Fluorobiphenyl
Concen: 49.632 ng
RT: 13.101 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

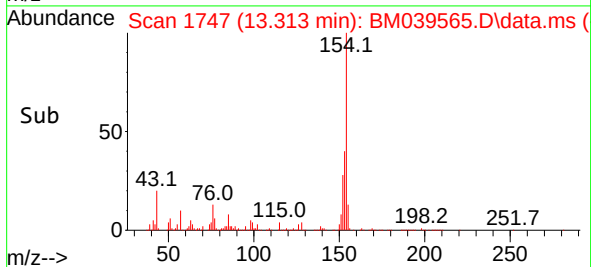
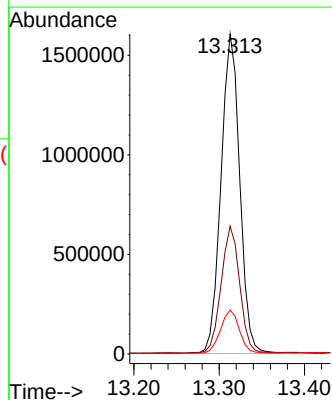
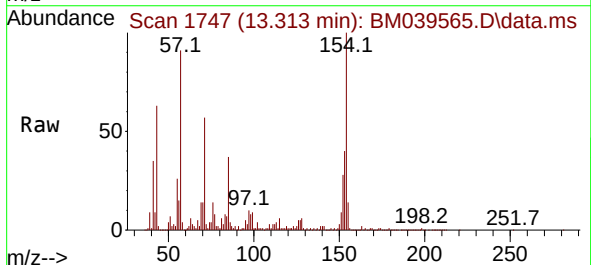
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

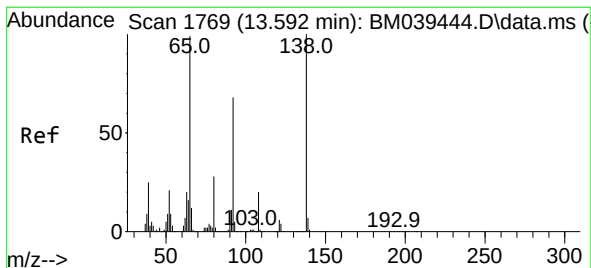
Tgt Ion:172 Resp: 1233174
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 23.4 19.0 28.4



#46
1,1'-Biphenyl
Concen: 92.537 ng
RT: 13.313 min Scan# 1747
Delta R.T. -0.000 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:154 Resp: 2450880
Ion Ratio Lower Upper
154 100
153 39.9 19.5 59.5
76 13.7 0.0 34.1

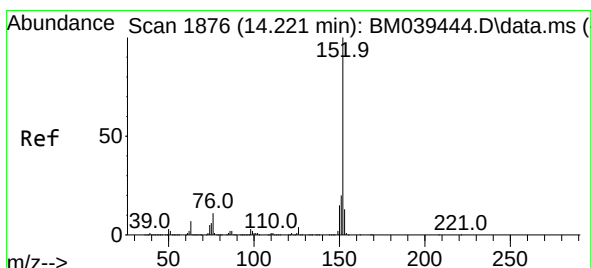
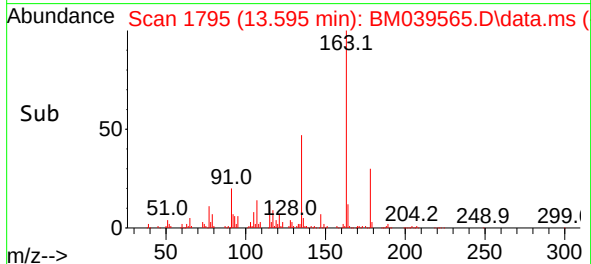
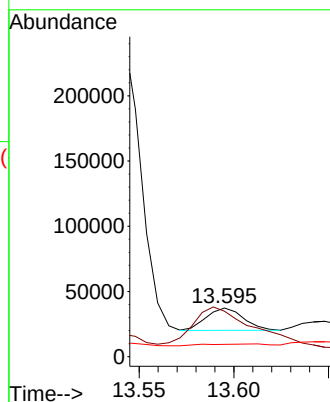
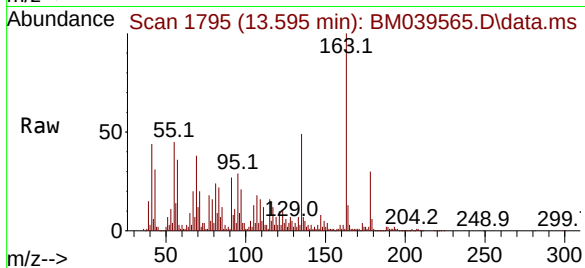




#48
2-Nitroaniline
Concen: 3.459 ng
RT: 13.595 min Scan# 1
Delta R.T. 0.018 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

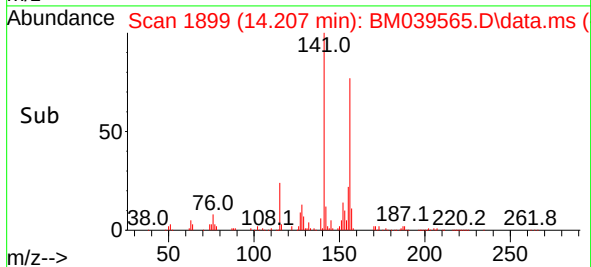
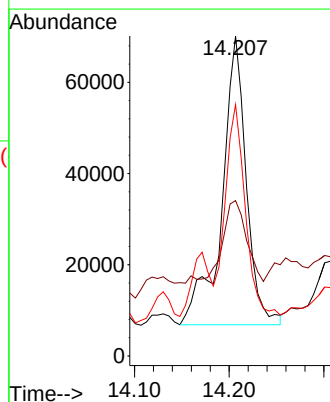
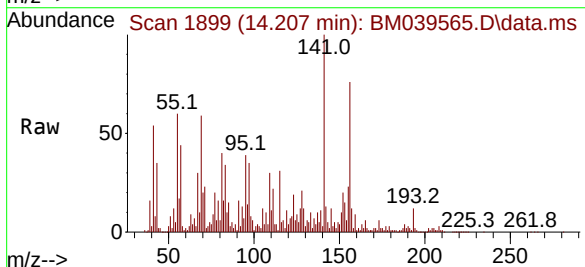
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

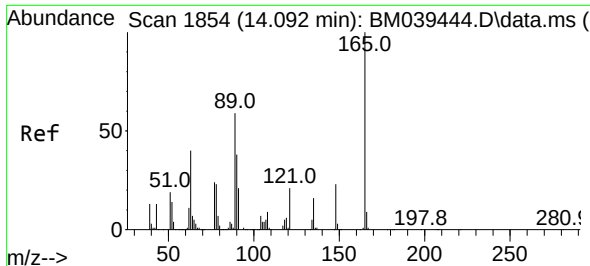
Tgt Ion: 65 Resp: 23290
Ion Ratio Lower Upper
65 100
92 93.6 54.7 82.1#
138 25.4 80.8 121.2#



#49
Acenaphthylene
Concen: 3.373 ng
RT: 14.207 min Scan# 1899
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion: 152 Resp: 113588
Ion Ratio Lower Upper
152 100
151 48.5 16.0 24.0#
153 78.5 10.6 15.8#

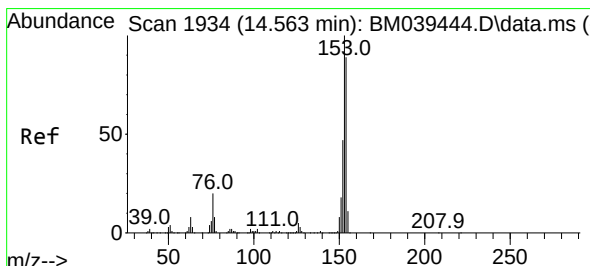
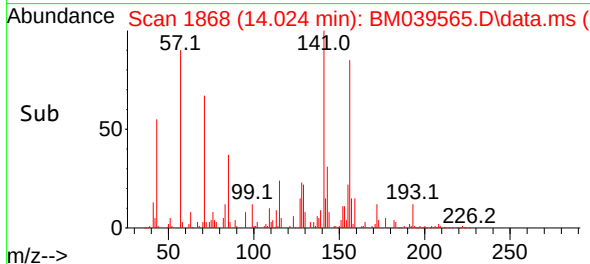
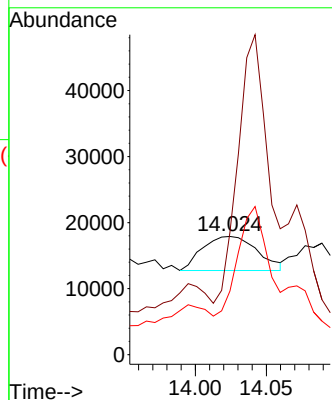
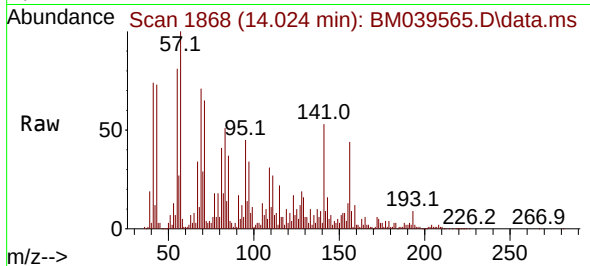




#51
2,6-Dinitrotoluene
Concen: 2.336 ng
RT: 14.024 min Scan# 11
Delta R.T. -0.047 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

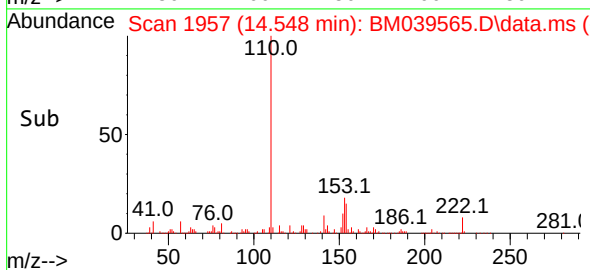
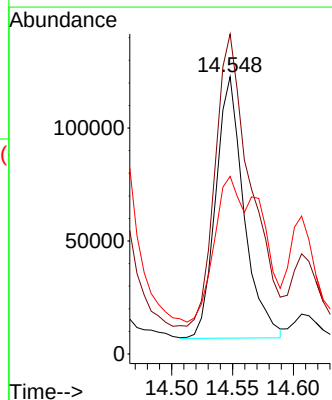
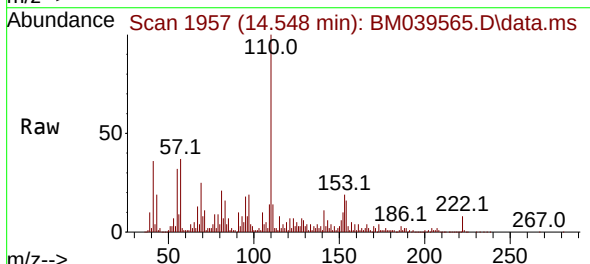
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

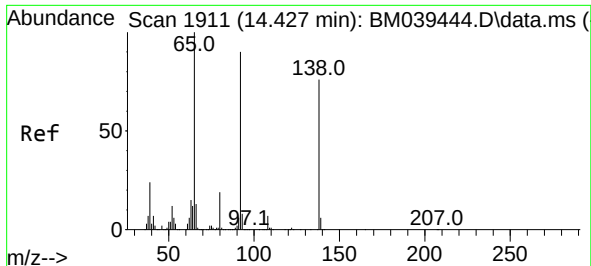
Tgt Ion:165 Resp: 13823
Ion Ratio Lower Upper
165 100
63 103.6 46.6 69.8#
89 53.8 47.4 71.0



#52
Acenaphthene
Concen: 9.387 ng
RT: 14.548 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:154 Resp: 187189
Ion Ratio Lower Upper
154 100
153 115.4 89.8 134.8
152 64.1 42.7 64.1

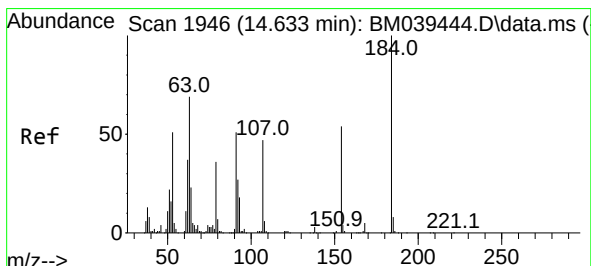
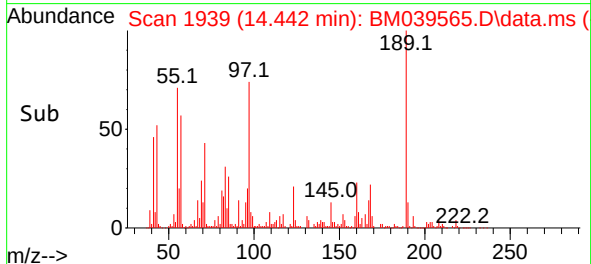
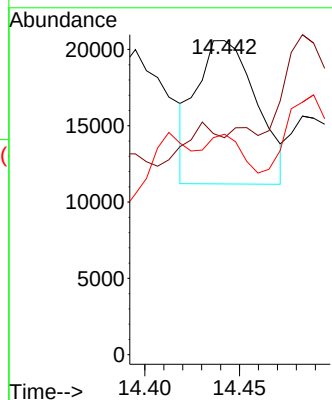
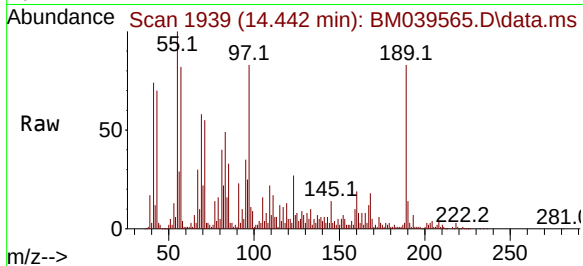




#53
3-Nitroaniline
Concen: 3.427 ng
RT: 14.442 min Scan# 1911
Delta R.T. 0.035 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

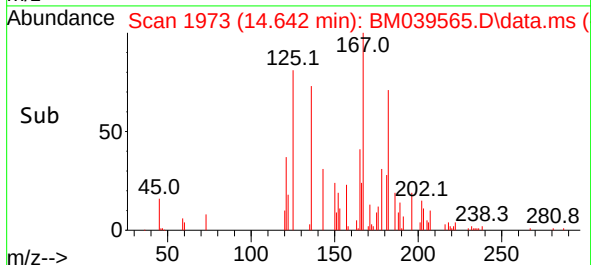
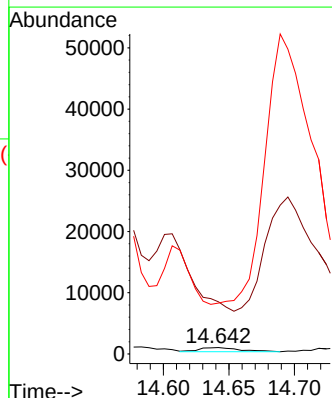
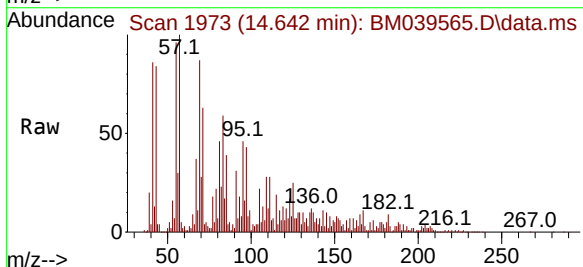
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

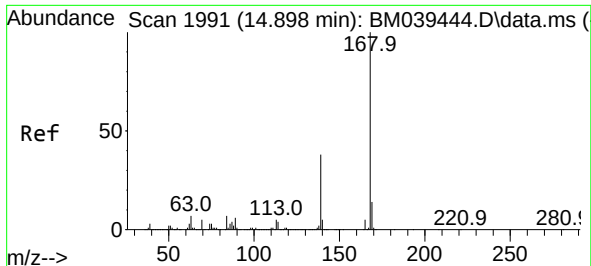
Tgt Ion:138 Resp: 20692
Ion Ratio Lower Upper
138 100
108 69.1 7.8 11.8#
92 70.2 95.4 143.2#



#54
2,4-Dinitrophenol
Concen: 6.098 ng
RT: 14.642 min Scan# 1973
Delta R.T. 0.024 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:184 Resp: 1472
Ion Ratio Lower Upper
184 100
63 819.2 56.4 84.6#
154 801.0 49.1 73.7#

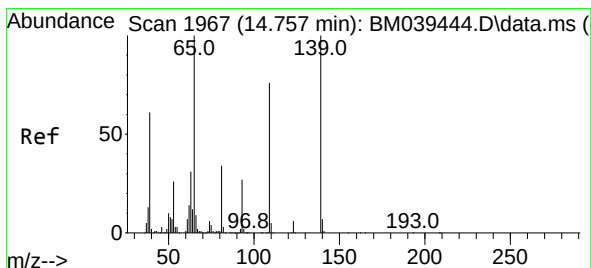
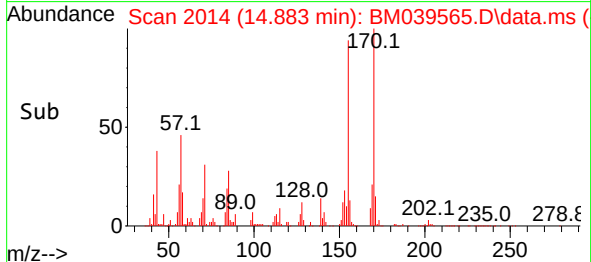
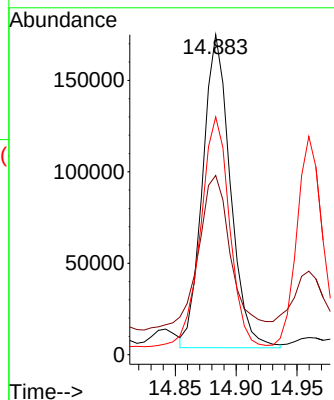
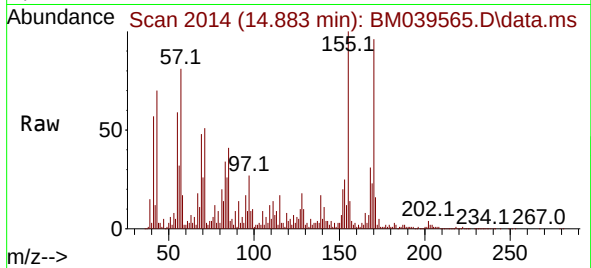




#55
Dibenzofuran
Concen: 8.448 ng
RT: 14.883 min Scan# 20
Delta R.T. 0.006 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

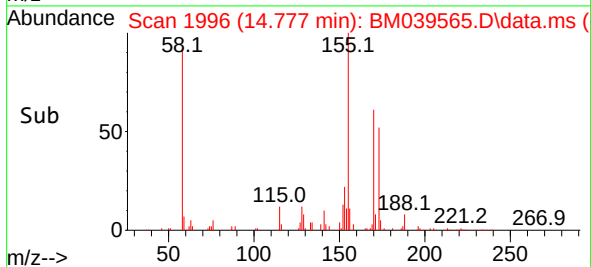
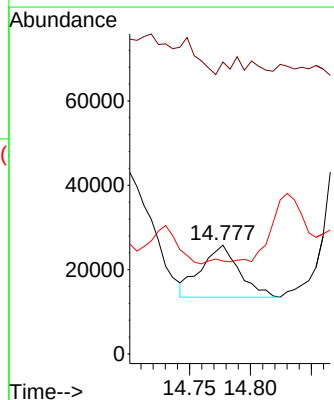
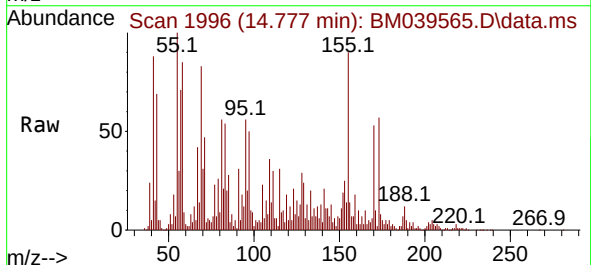
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

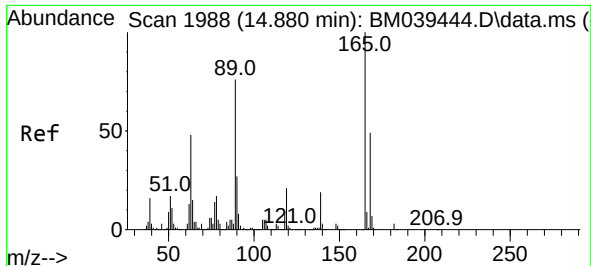
Tgt Ion:168 Resp: 270688
Ion Ratio Lower Upper
168 100
139 56.0 30.8 46.2#
169 74.3 10.8 16.2#



#56
4-Nitrophenol
Concen: 10.499 ng
RT: 14.777 min Scan# 1996
Delta R.T. 0.047 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:139 Resp: 26838
Ion Ratio Lower Upper
139 100
109 268.2 56.5 96.5#
65 85.3 81.3 121.3





#57

2,4-Dinitrotoluene

Concen: 7.262 ng

RT: 14.883 min Scan# 20

Delta R.T. 0.023 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

Instrument :

BNA_M

ClientSampleId :

SPA-3WC-23-04

Tgt Ion:165 Resp: 58730

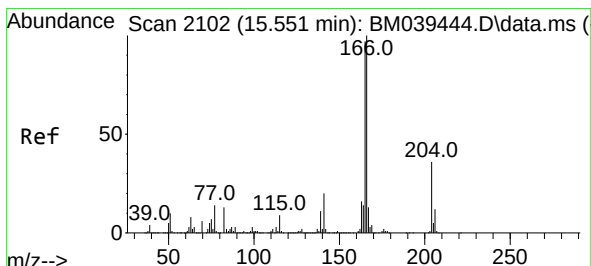
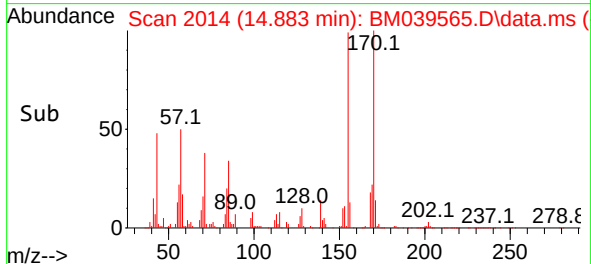
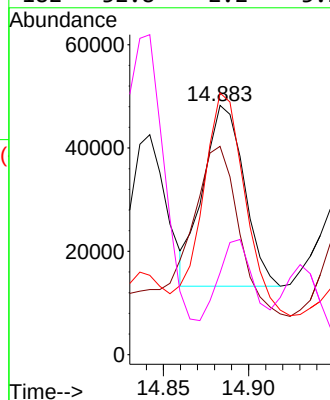
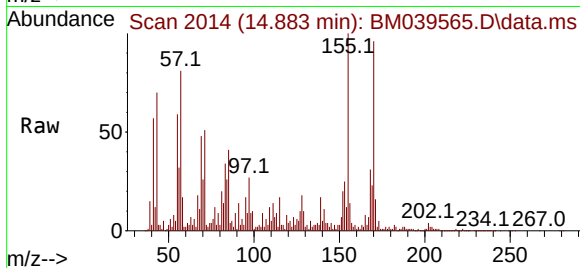
Ion Ratio Lower Upper

165 100

63 83.6 39.0 58.6#

89 105.0 61.0 91.4#

182 32.8 2.2 3.2#



#58

Fluorene

Concen: 15.916 ng

RT: 15.536 min Scan# 2125

Delta R.T. 0.006 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

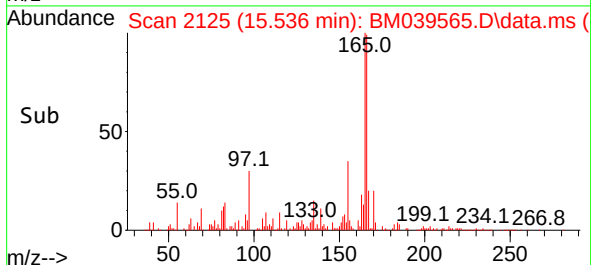
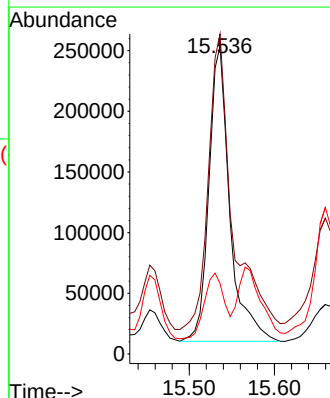
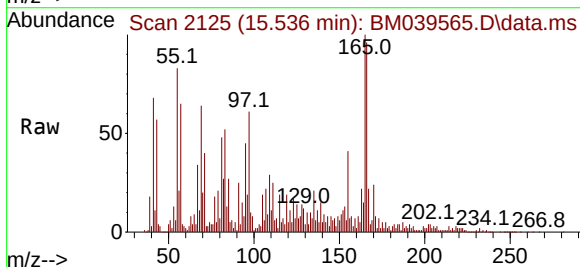
Tgt Ion:166 Resp: 413614

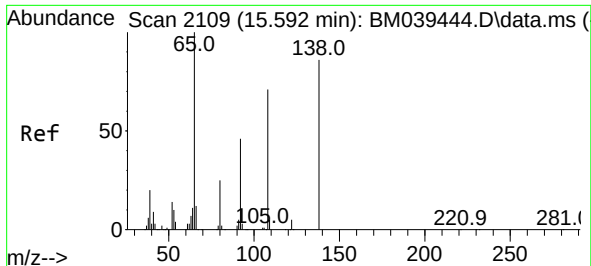
Ion Ratio Lower Upper

166 100

165 104.0 77.4 116.0

167 22.9 10.6 15.8#

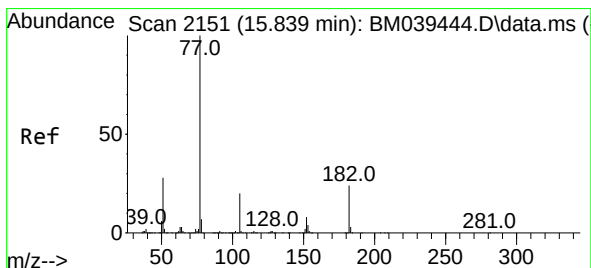
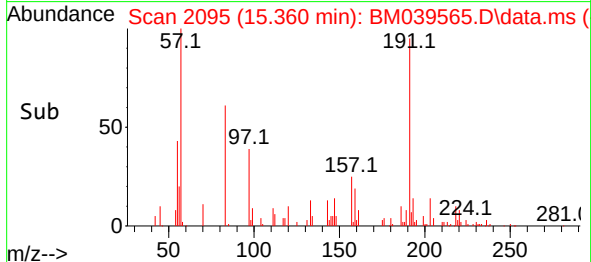
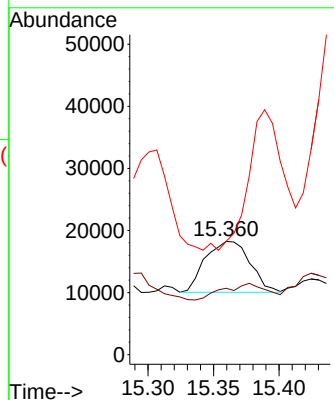
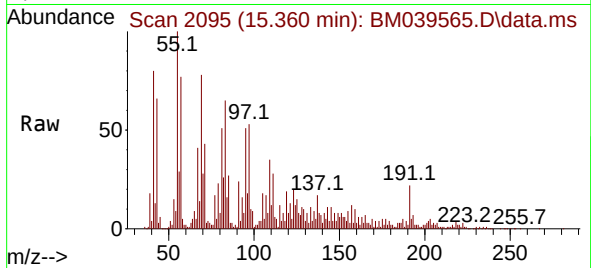




#62
4-Nitroaniline
Concen: 5.888 ng
RT: 15.360 min Scan# 2095
Delta R.T. -0.212 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

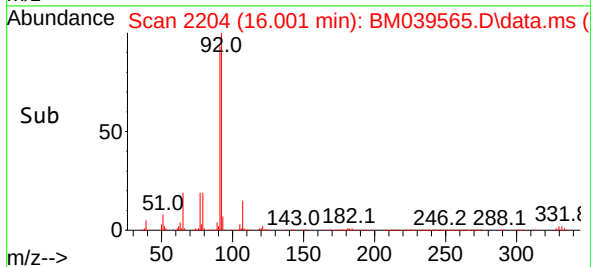
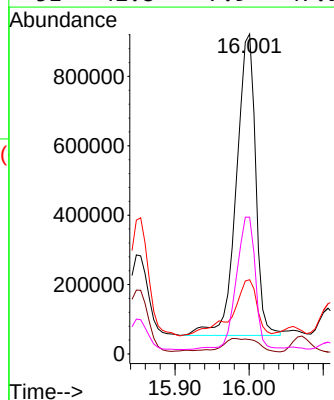
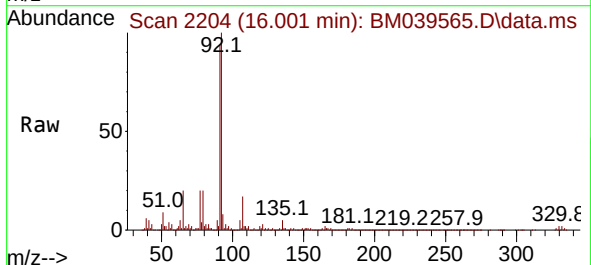
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

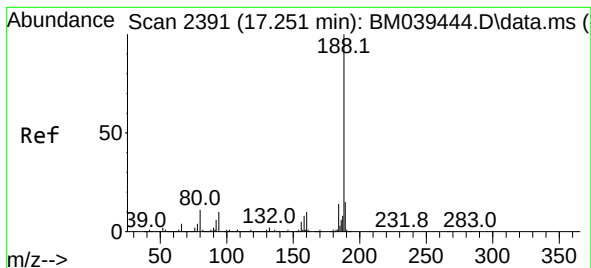
Tgt Ion:138 Resp: 19377
Ion Ratio Lower Upper
138 100
92 58.5 32.6 72.6
108 100.0 60.6 100.6



#63
Azobenzene
Concen: 55.992 ng
RT: 16.001 min Scan# 2204
Delta R.T. 0.182 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion: 77 Resp: 1574179
Ion Ratio Lower Upper
77 100
182 4.5 3.7 43.7
105 23.2 0.5 40.5
51 42.8 7.9 47.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.248 min Scan# 2416

Delta R.T. 0.018 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

Instrument :

BNA_M

ClientSampleId :

SPA-3WC-23-04

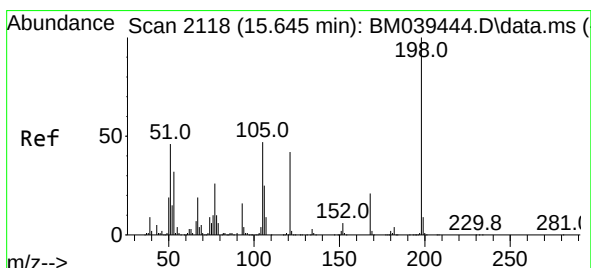
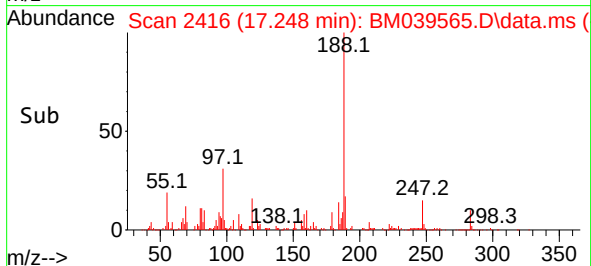
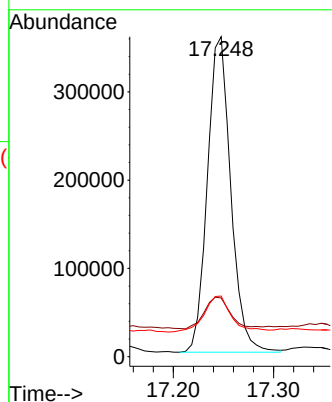
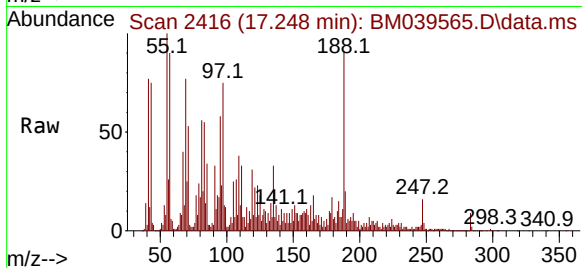
Tgt Ion:188 Resp: 580212

Ion Ratio Lower Upper

188 100

94 18.3 7.9 11.9#

80 19.0 8.9 13.3#



#65

4,6-Dinitro-2-methylphenol

Concen: 2.439 ng

RT: 15.648 min Scan# 2144

Delta R.T. 0.024 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

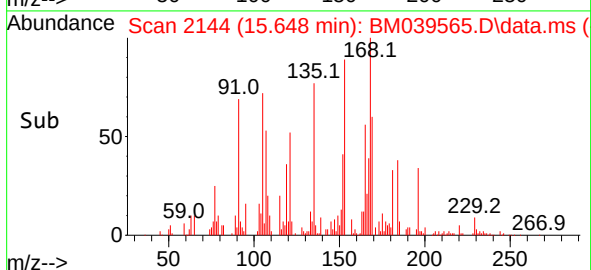
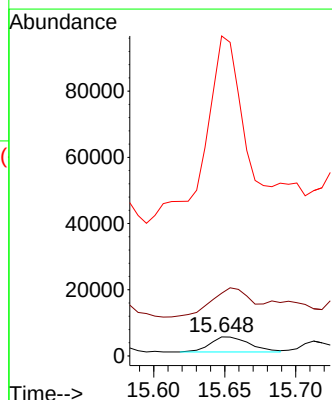
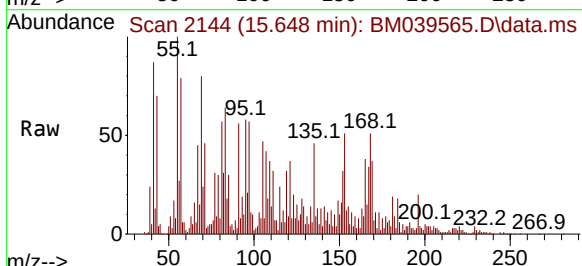
Tgt Ion:198 Resp: 8862

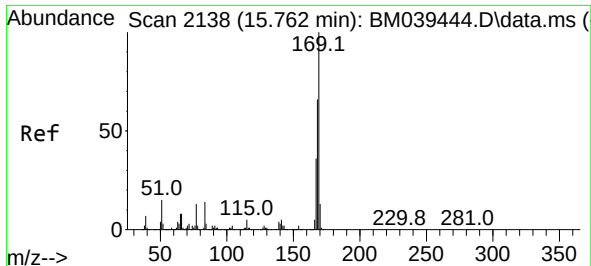
Ion Ratio Lower Upper

198 100

51 330.7 29.3 69.3#

105 1685.5 27.7 67.7#

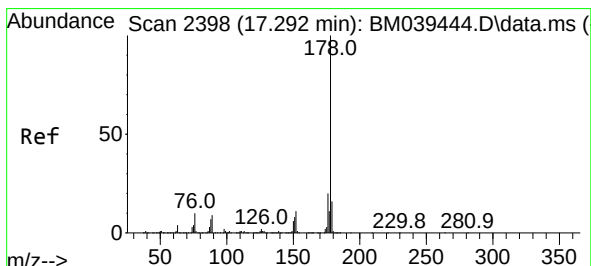
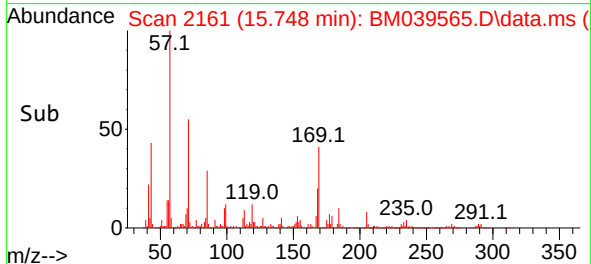
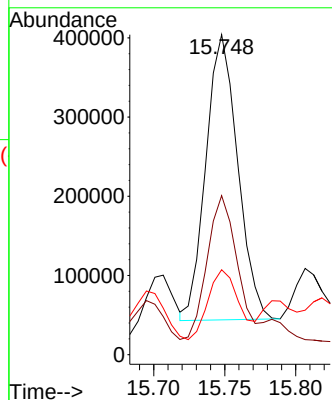
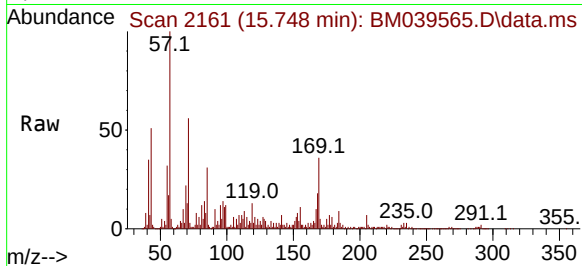




#66
n-Nitrosodiphenylamine
Concen: 31.897 ng
RT: 15.748 min Scan# 2138
Delta R.T. -0.000 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

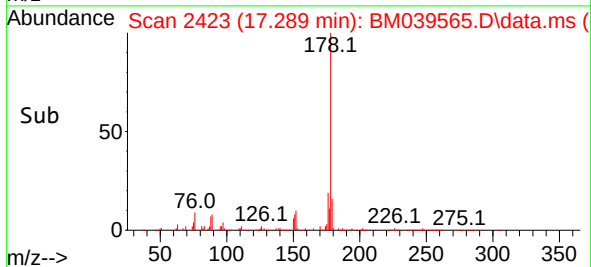
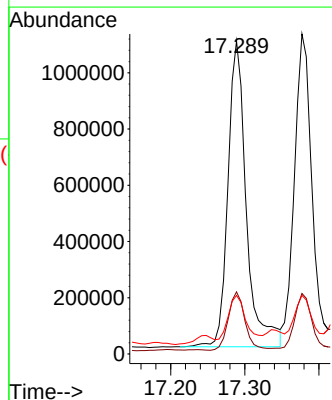
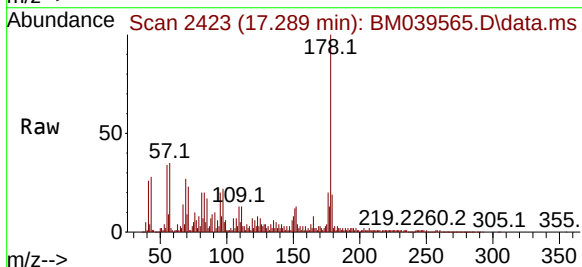
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

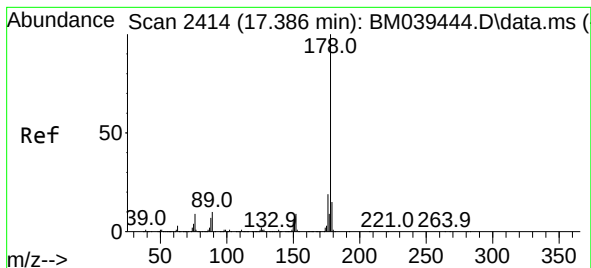
Tgt Ion:169 Resp: 561104
Ion Ratio Lower Upper
169 100
168 49.7 52.6 79.0#
167 26.6 29.0 43.4#



#71
Phenanthrene
Concen: 59.596 ng
RT: 17.289 min Scan# 2423
Delta R.T. 0.012 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:178 Resp: 1875050
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 18.7 12.5 18.7





#72

Anthracene

Concen: 53.074 ng

RT: 17.377 min Scan# 2414

Delta R.T. 0.012 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

Instrument :

BNA_M

ClientSampleId :

SPA-3WC-23-04

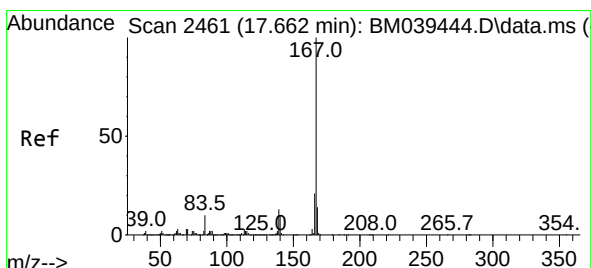
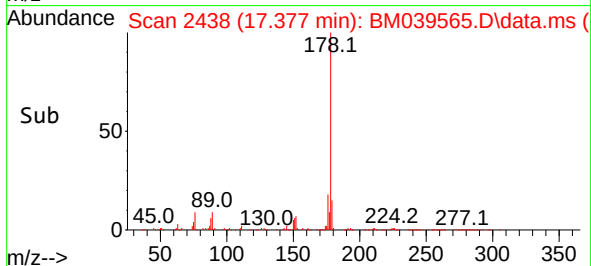
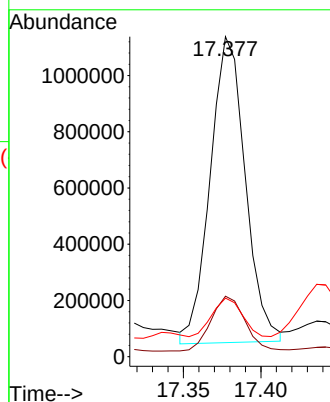
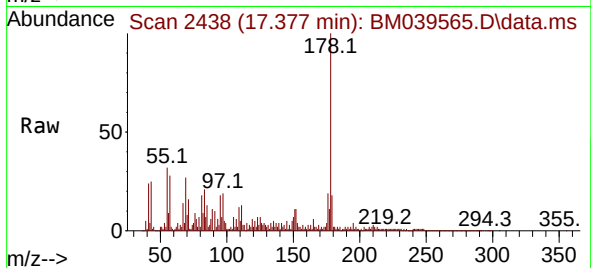
Tgt Ion:178 Resp: 1712892

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 18.3 12.2 18.4



#73

Carbazole

Concen: 12.329 ng

RT: 17.554 min Scan# 2468

Delta R.T. -0.088 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

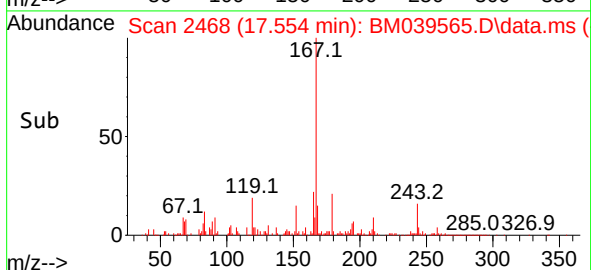
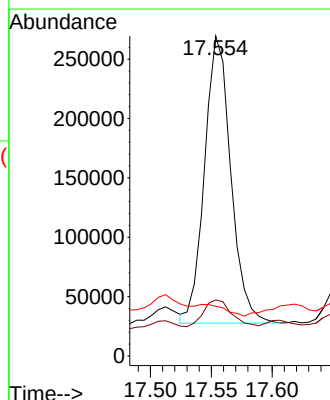
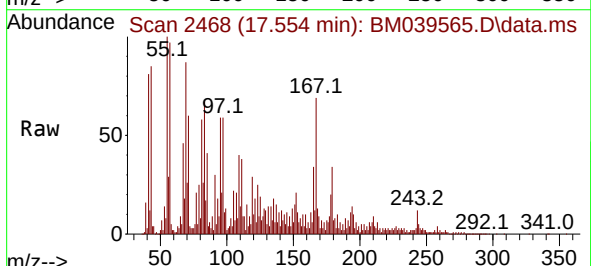
Tgt Ion:167 Resp: 361906

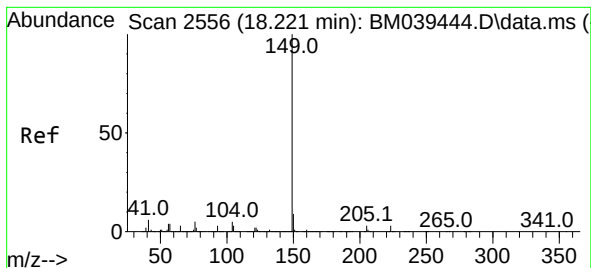
Ion Ratio Lower Upper

167 100

166 17.5 17.0 25.6

139 15.5 10.6 16.0





#74

Di-n-butylphthalate

Concen: 10.751 ng

RT: 18.218 min Scan# 21

Delta R.T. 0.018 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

Instrument :

BNA_M

ClientSampleId :

SPA-3WC-23-04

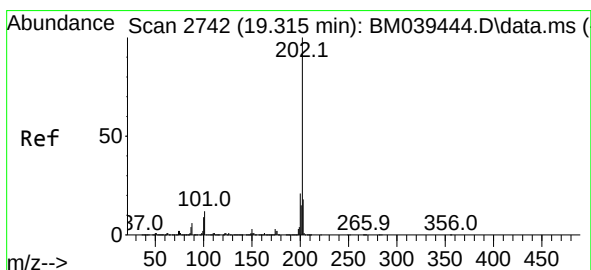
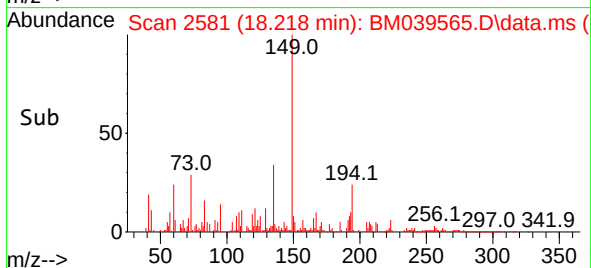
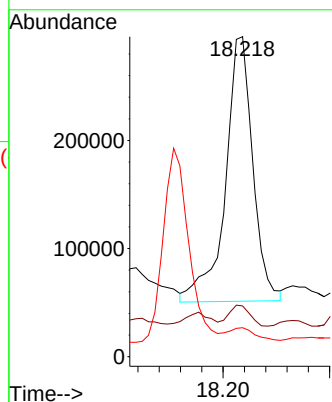
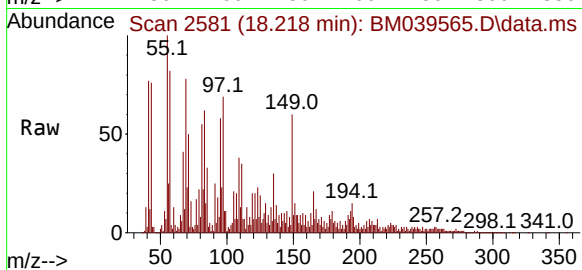
Tgt Ion:149 Resp: 438700

Ion Ratio Lower Upper

149 100

150 15.9 7.4 11.2#

104 9.1 4.1 6.1#



#75

Fluoranthene

Concen: 24.475 ng

RT: 19.318 min Scan# 2768

Delta R.T. 0.024 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

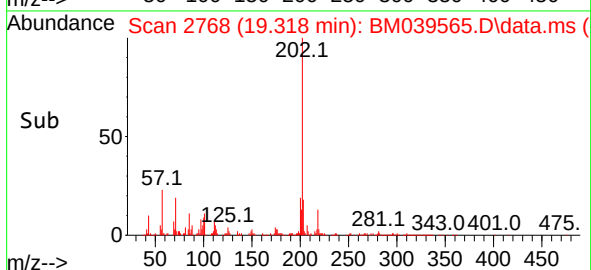
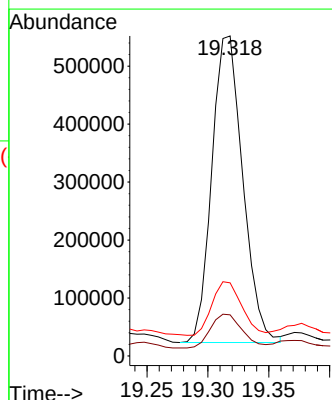
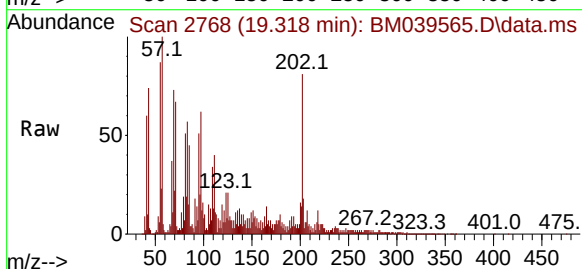
Tgt Ion:202 Resp: 934247

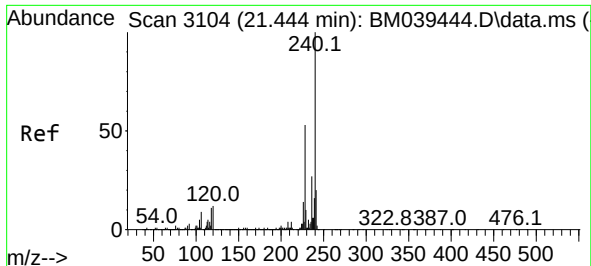
Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.1

203 22.9 0.0 37.6

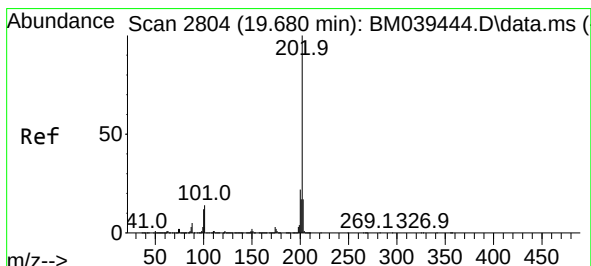
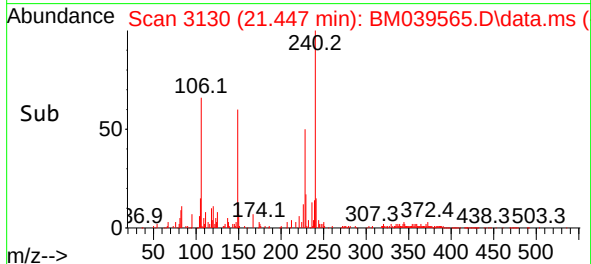
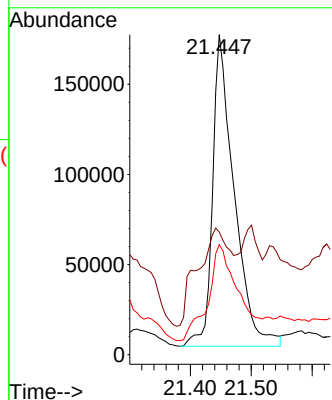
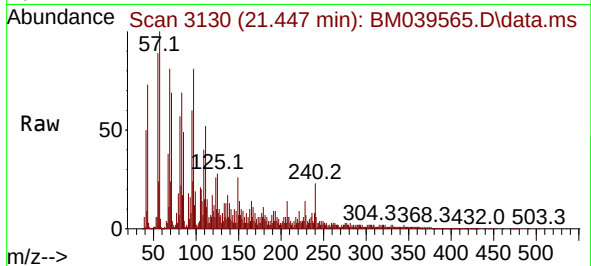




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.447 min Scan# 31
Delta R.T. 0.023 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

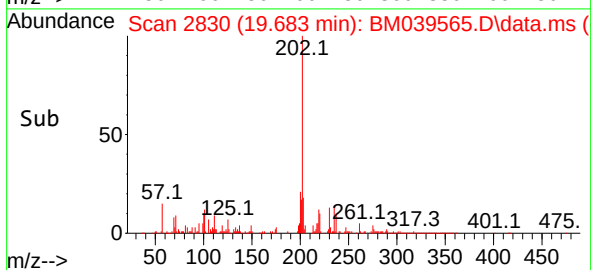
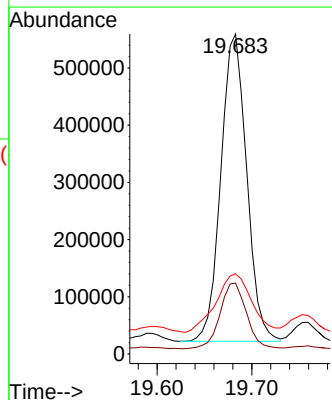
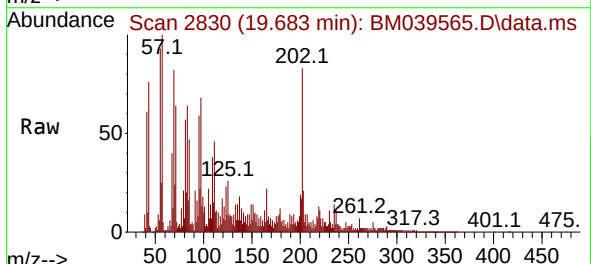
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

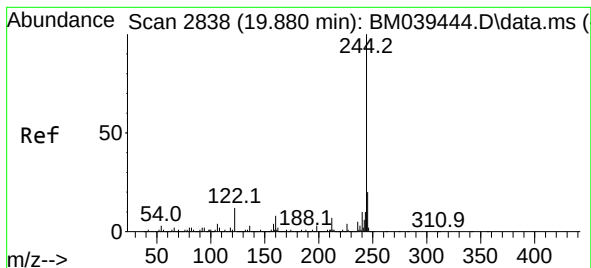
Tgt Ion:240 Resp: 425870
Ion Ratio Lower Upper
240 100
120 38.3 9.4 14.2#
236 34.4 21.2 31.8#



#78
Pyrene
Concen: 32.532 ng
RT: 19.683 min Scan# 2830
Delta R.T. 0.024 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:202 Resp: 1018869
Ion Ratio Lower Upper
202 100
200 22.2 17.2 25.8
203 25.0 13.9 20.9#





#79

Terphenyl-d14

Concen: 55.444 ng

RT: 19.883 min Scan# 2

Delta R.T. 0.018 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

Instrument :

BNA_M

ClientSampleId :

SPA-3WC-23-04

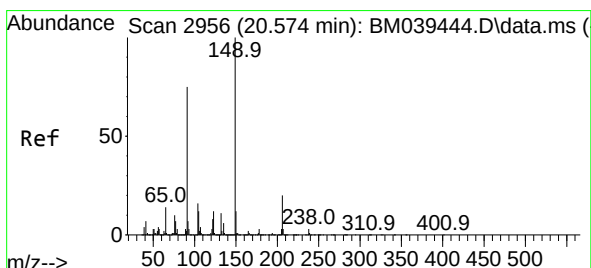
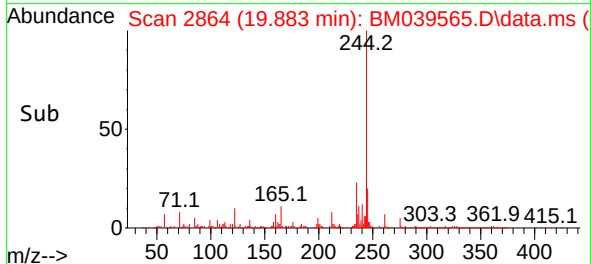
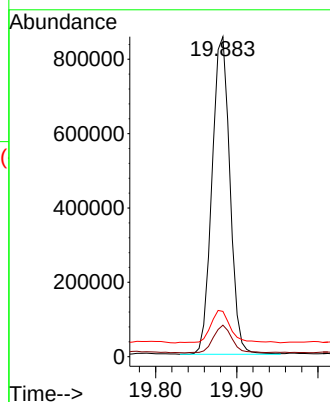
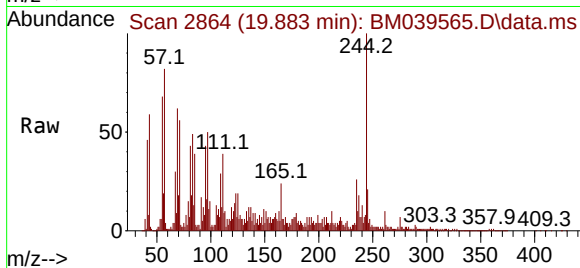
Tgt Ion:244 Resp: 1308849

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

122 14.1 9.5 14.3



#80

Butylbenzylphthalate

Concen: 29.033 ng

RT: 20.577 min Scan# 2982

Delta R.T. 0.018 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

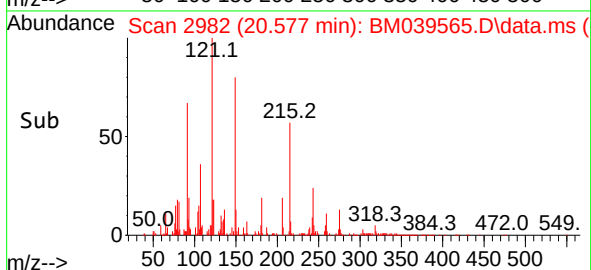
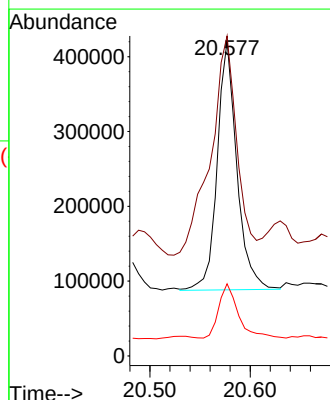
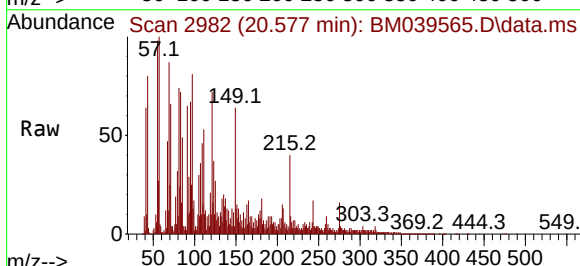
Tgt Ion:149 Resp: 450884

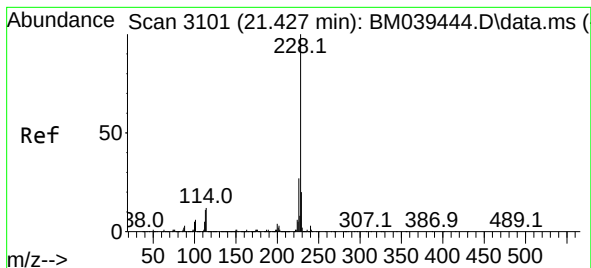
Ion Ratio Lower Upper

149 100

91 101.5 59.9 89.9#

206 22.9 15.8 23.8





#81

Benzo(a)anthracene

Concen: 9.178 ng

RT: 21.430 min Scan# 3101

Delta R.T. 0.018 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

Instrument :

BNA_M

ClientSampleId :

SPA-3WC-23-04

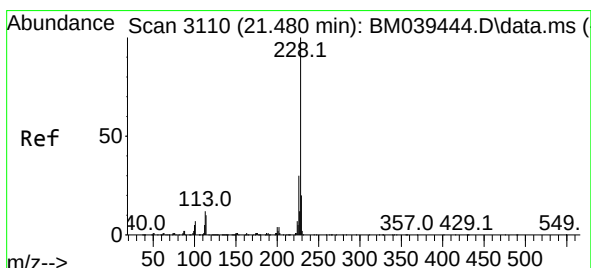
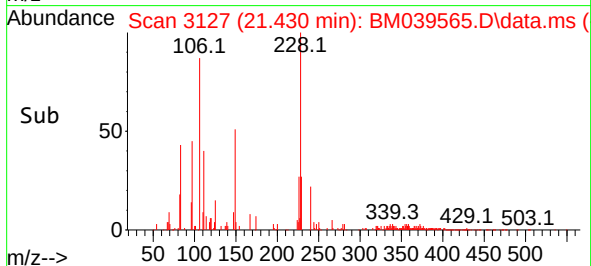
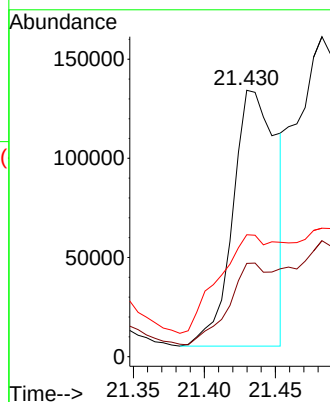
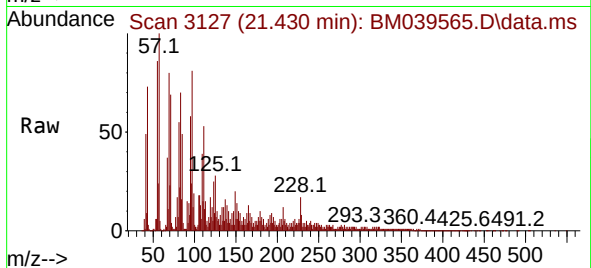
Tgt Ion:228 Resp: 277574

Ion Ratio Lower Upper

228 100

226 35.0 21.8 32.8#

229 45.7 15.9 23.9#



#83

Chrysene

Concen: 13.600 ng

RT: 21.483 min Scan# 3136

Delta R.T. 0.018 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

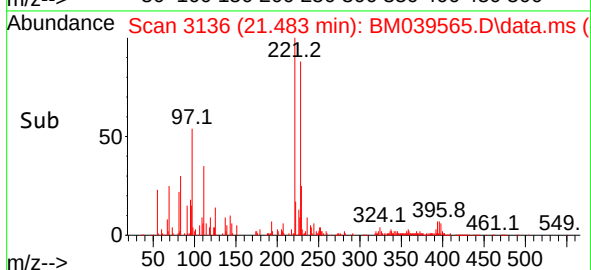
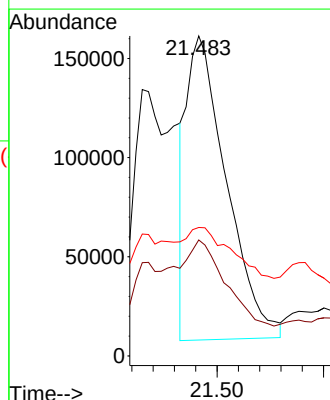
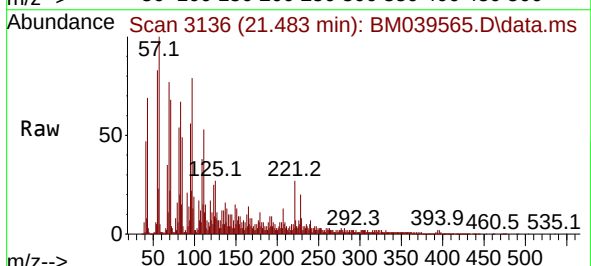
Tgt Ion:228 Resp: 398656

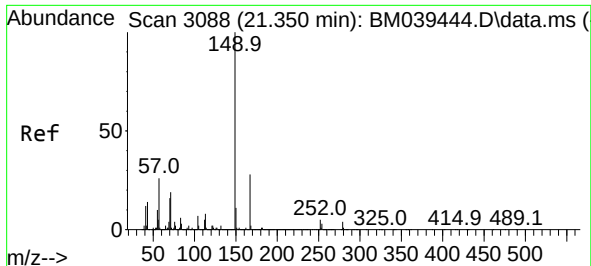
Ion Ratio Lower Upper

228 100

226 36.3 24.0 36.0#

229 40.1 16.0 24.0#

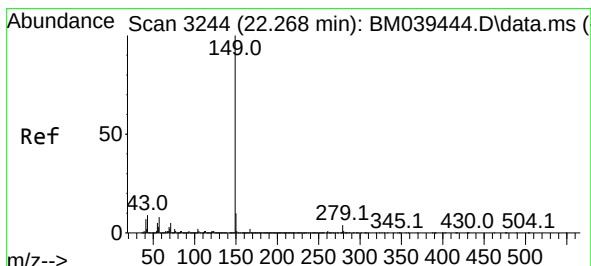
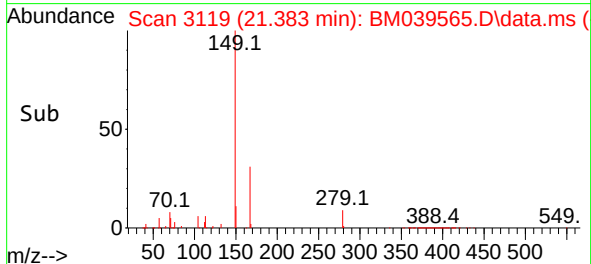
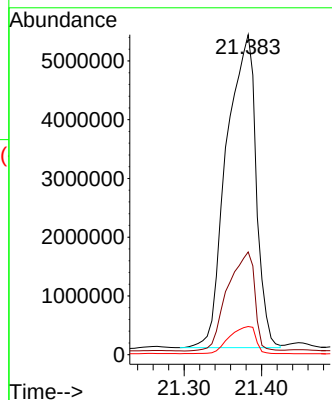
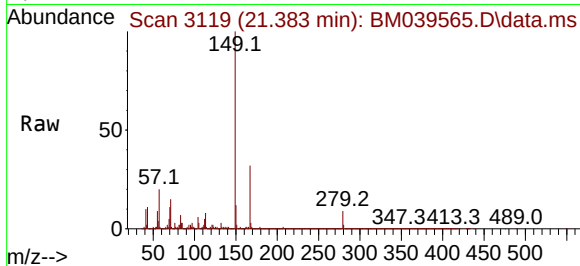




#84
Bis(2-ethylhexyl)phthalate
Concen: 596.065 ng
RT: 21.383 min Scan# 3119
Delta R.T. 0.053 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

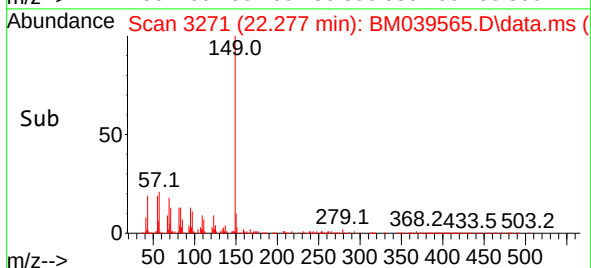
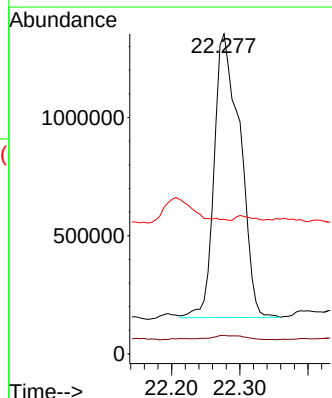
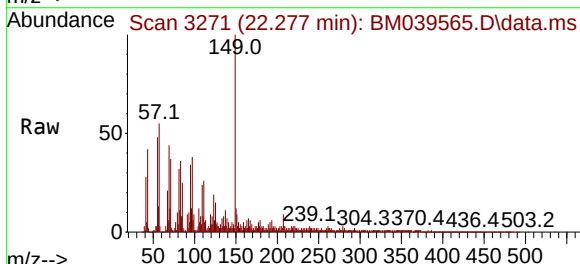
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

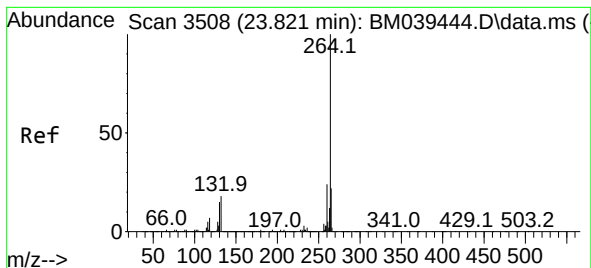
Tgt Ion:149 Resp:14111121
Ion Ratio Lower Upper
149 100
167 32.1 22.3 33.5
279 8.8 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 77.938 ng
RT: 22.277 min Scan# 3271
Delta R.T. 0.029 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:149 Resp: 3172812
Ion Ratio Lower Upper
149 100
167 1.9 1.2 1.8#
43 0.0 7.1 10.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.841 min Scan# 3

Delta R.T. 0.053 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

Instrument :

BNA_M

ClientSampleId :

SPA-3WC-23-04

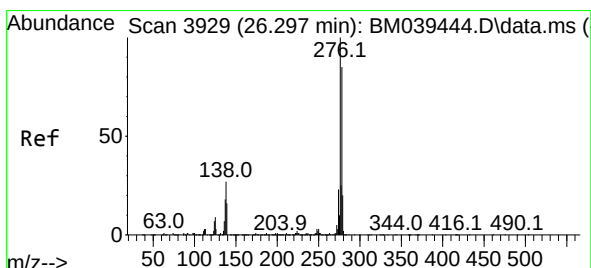
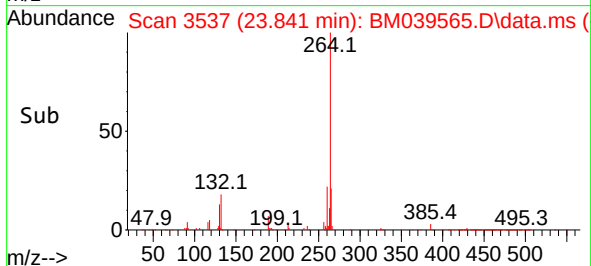
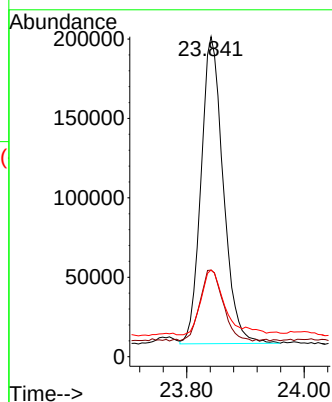
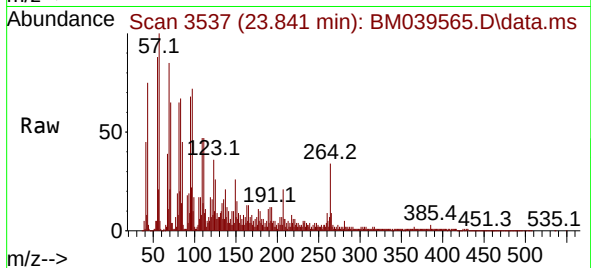
Tgt Ion:264 Resp: 507005

Ion Ratio Lower Upper

264 100

260 27.1 19.0 28.6

265 27.1 18.0 27.0#



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.390 ng

RT: 26.312 min Scan# 3957

Delta R.T. 0.076 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

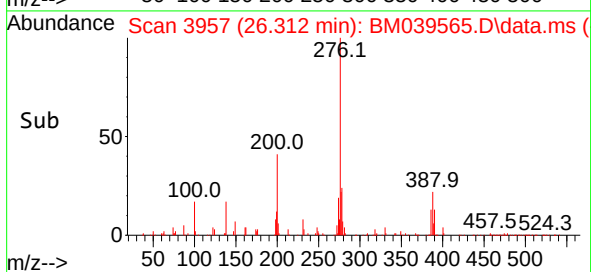
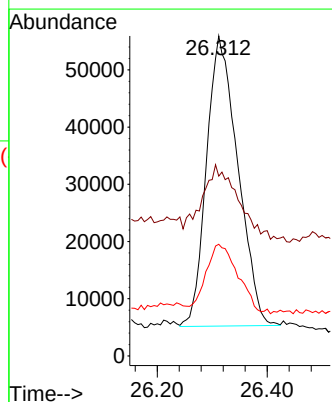
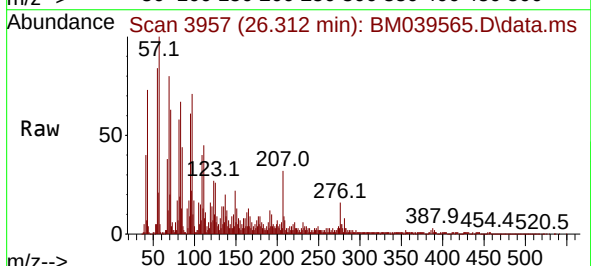
Tgt Ion:276 Resp: 200795

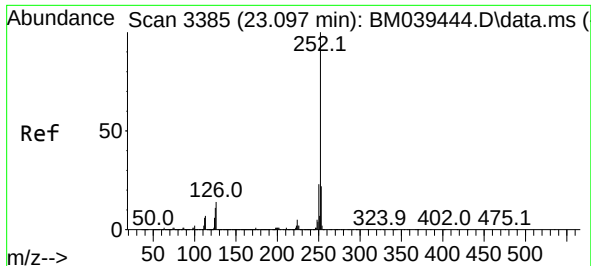
Ion Ratio Lower Upper

276 100

138 32.4 21.4 32.0#

277 24.8 20.0 30.0

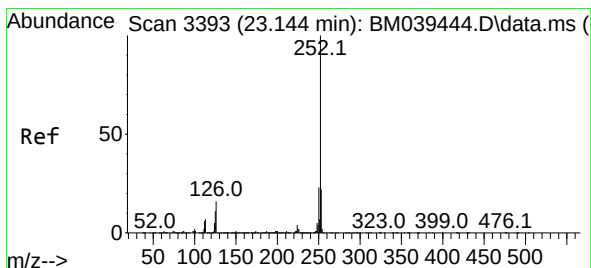
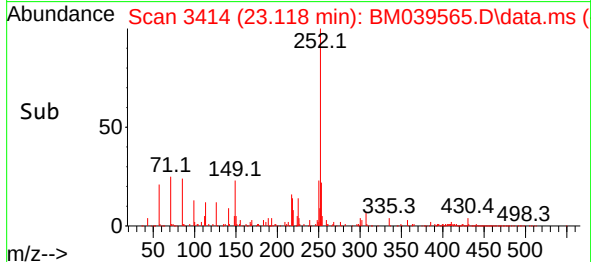
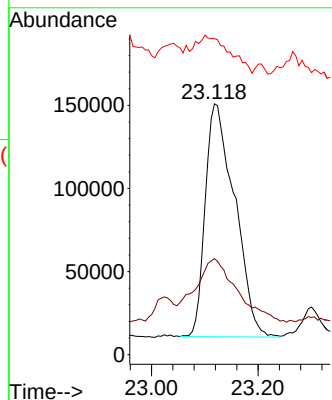
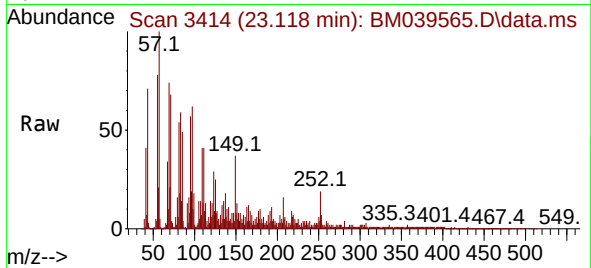




#88
Benzo(b)fluoranthene
Concen: 17.402 ng
RT: 23.118 min Scan# 3414
Delta R.T. 0.047 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

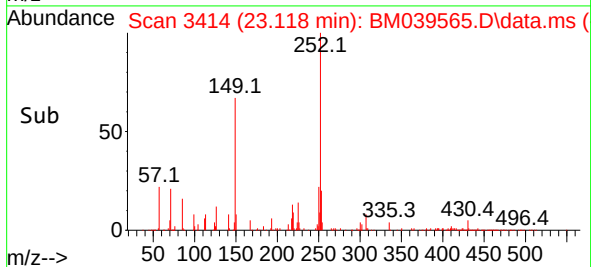
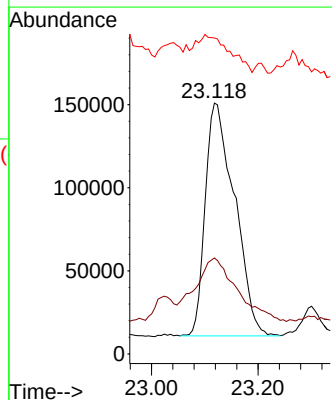
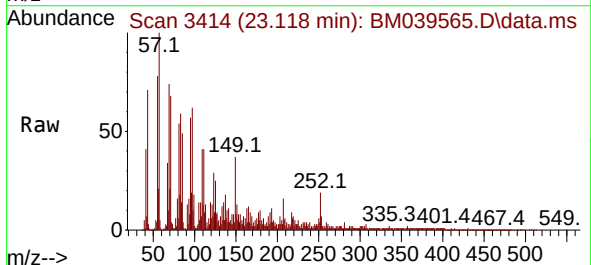
Instrument :
BNA_M
ClientSampleId :
SPA-3WC-23-04

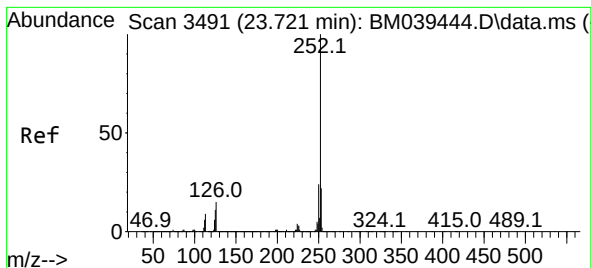
Tgt Ion:252 Resp: 537943
Ion Ratio Lower Upper
252 100
253 38.3 17.8 26.6#
125 125.9 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 16.602 ng
RT: 23.118 min Scan# 3414
Delta R.T. -0.000 min
Lab File: BM039565.D
Acq: 21 Apr 2023 23:29

Tgt Ion:252 Resp: 536548
Ion Ratio Lower Upper
252 100
253 38.3 17.5 26.3#
125 125.9 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 8.969 ng

RT: 23.736 min Scan# 3

Delta R.T. 0.053 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

Instrument :

BNA_M

ClientSampleId :

SPA-3WC-23-04

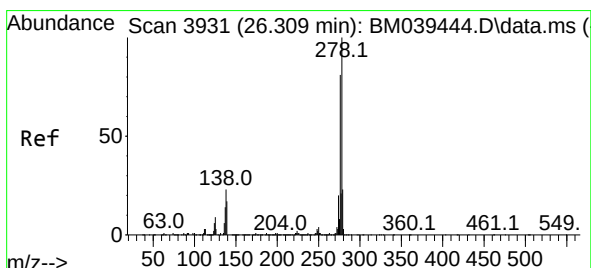
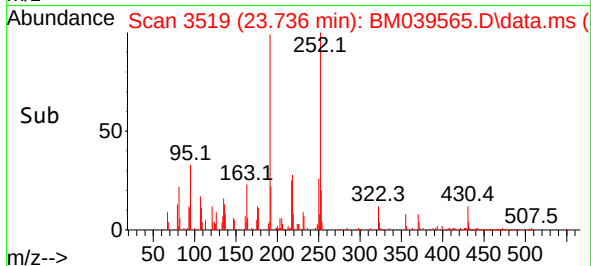
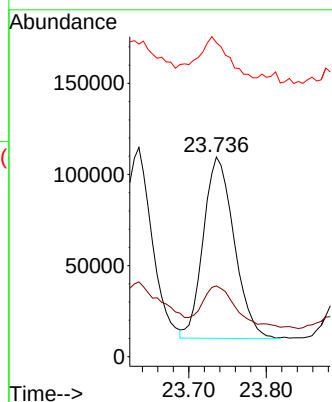
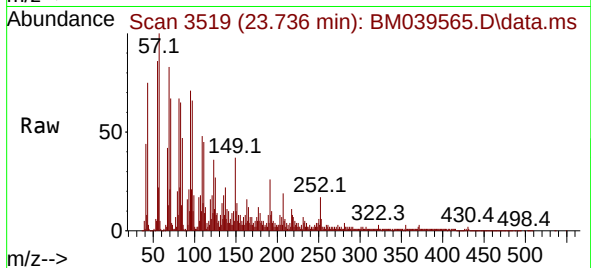
Tgt Ion:252 Resp: 275564

Ion Ratio Lower Upper

252 100

253 35.4 17.7 26.5#

125 157.3 9.0 13.6#



#91

Dibenzo(a,h)anthracene

Concen: 2.322 ng

RT: 26.324 min Scan# 3959

Delta R.T. 0.076 min

Lab File: BM039565.D

Acq: 21 Apr 2023 23:29

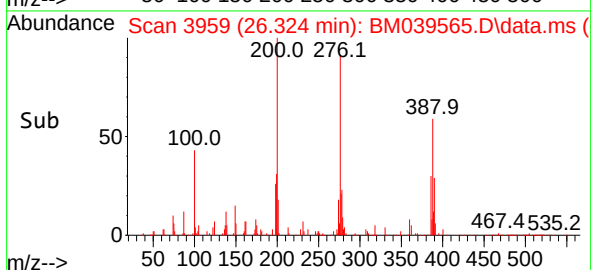
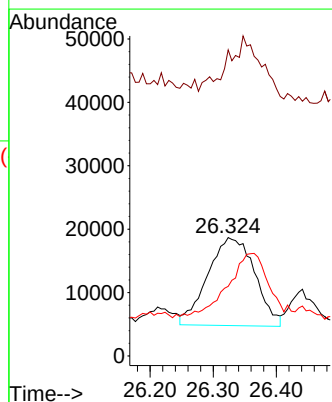
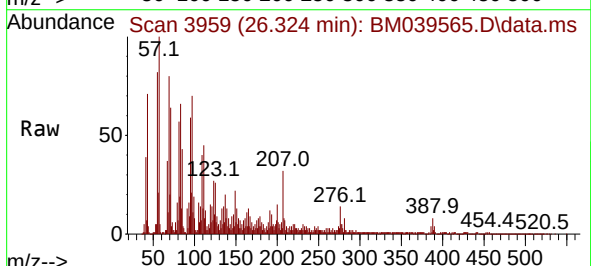
Tgt Ion:278 Resp: 71902

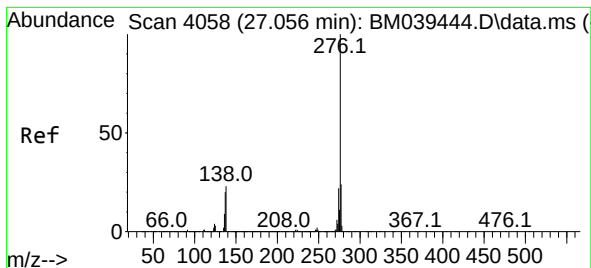
Ion Ratio Lower Upper

278 100

139 258.5 13.7 20.5#

279 58.8 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 8.070 ng

RT: 27.076 min Scan# 40

Delta R.T. 0.088 min

Lab File: BM039565.D

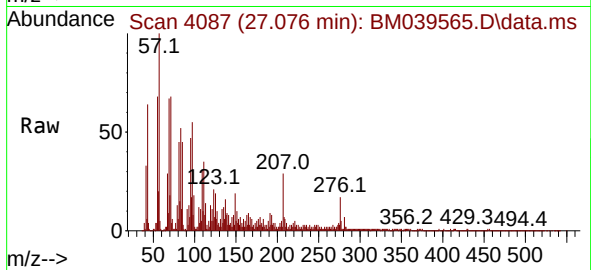
Acq: 21 Apr 2023 23:29

Instrument :

BNA_M

ClientSampleId :

SPA-3WC-23-04



Tgt Ion:276 Resp: 247700

Ion Ratio Lower Upper

276 100

277 31.1 19.1 28.7#

138 45.3 18.8 28.2#

