

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039568.D
 Acq On : 22 Apr 2023 01:18
 Operator : CG/JU
 Sample : 02386-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SPA-4WC-23-04

Quant Time: Apr 22 04:57:49 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	143308	20.000	ng	0.01
21) Naphthalene-d8	10.642	136	585739	20.000	ng	# 0.01
39) Acenaphthene-d10	14.495	164	362378	20.000	ng	0.02
64) Phenanthrene-d10	17.260	188	577685	20.000	ng	# 0.03
76) Chrysene-d12	21.465	240	402657	20.000	ng	# 0.04
86) Perylene-d12	23.871	264	481362	20.000	ng	# 0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	680564	77.590	ng	0.02
7) Phenol-d6	7.031	99	954295	74.031	ng	0.02
23) Nitrobenzene-d5	9.007	82	735508	61.492	ng	0.01
42) 2,4,6-Tribromophenol	16.007	330	285798	60.777	ng	0.03
45) 2-Fluorobiphenyl	13.107	172	1347050	51.433	ng	0.00
79) Terphenyl-d14	19.895	244	1291967	57.884	ng	0.03
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.125	88	24395	6.732	ng	# 1
6) Aniline	7.184	93	125002	7.686	ng	# 71
9) Benzaldehyde	6.966	77	286345	43.081	ng	# 1
10) Phenol	7.066	94	35553	2.812	ng	# 1
11) bis(2-Chloroethyl)ether	7.254	93	176520	16.277	ng	# 28
12) 1,3-Dichlorobenzene	7.719	146	681148	65.716	ng	99
13) 1,4-Dichlorobenzene	7.872	146	2663506	256.322	ng	99
14) 1,2-Dichlorobenzene	8.190	146	3151823	305.413	ng	99
15) Benzyl Alcohol	8.107	79	56084	5.969	ng	# 57
17) 2-Methylphenol	8.307	107	38048	4.075	ng	# 1
18) Hexachloroethane	8.943	117	494327	119.646	ng	# 1
19) n-Nitroso-di-n-propyla...	8.701	70	299136	30.669	ng	# 57
20) 3+4-Methylphenols	8.643	107	51692	4.028	ng	# 1
22) Acetophenone	8.637	105	1411747	90.954	ng	# 57
24) Nitrobenzene	9.025	77	87585	7.435	ng	# 25
25) Isophorone	9.548	82	156125	6.302	ng	# 1
26) 2-Nitrophenol	9.748	139	12697	2.388	ng	# 1
27) 2,4-Dimethylphenol	9.837	122	204411	22.250	ng	# 80
28) bis(2-Chloroethoxy)met...	10.048	93	54816	3.893	ng	# 1
30) 1,2,4-Trichlorobenzene	10.507	180	1932838	205.286	ng	100
31) Naphthalene	10.695	128	5292748	167.230	ng	98
32) Benzoic acid	10.101	122	10626	7.246	ng	# 1
33) 4-Chloroaniline	10.789	127	44269	3.311	ng	# 70
34) Hexachlorobutadiene	10.966	225	11290	2.019	ng	96
35) Caprolactam	11.660	113	143812	40.536	ng	# 34
37) 2-Methylnaphthalene	12.313	142	4427751	190.367	ng	100
38) 1-Methylnaphthalene	12.531	142	2535395	115.679	ng	100
40) 1,2,4,5-Tetrachloroben...	12.678	216	42745	4.044	ng	# 73
46) 1,1'-Biphenyl	13.330	154	3163964	113.331	ng	99
48) 2-Nitroaniline	13.607	65	35029	4.936	ng	# 39
49) Acenaphthylene	14.219	152	108862	3.067	ng	# 1
50) Dimethylphthalate	13.848	163	226765	7.731	ng	# 86
51) 2,6-Dinitrotoluene	14.095	165	12950	2.077	ng	# 70
52) Acenaphthene	14.560	154	252053	11.992	ng	94
53) 3-Nitroaniline	14.395	138	31016	4.874	ng	# 28
54) 2,4-Dinitrophenol	14.654	184	1198	6.014	ng	# 1

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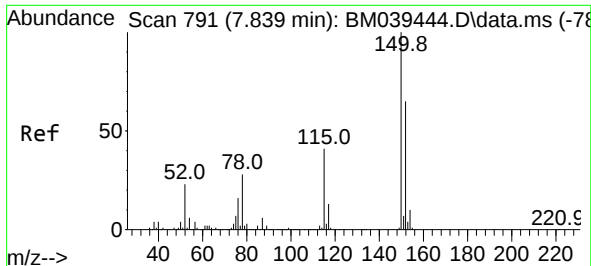
Quant Time: Apr 22 04:57:49 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Dibenzofuran	14.895	168	368250	10.903	ng	# 40
56) 4-Nitrophenol	14.789	139	29546	10.725	ng	# 1
57) 2,4-Dinitrotoluene	14.901	165	69120	8.109	ng	# 74
58) Fluorene	15.548	166	529125	19.316	ng	# 93
62) 4-Nitroaniline	15.595	138	4005	3.398	ng	# 1
63) Azobenzene	16.013	77	1633464	55.119	ng	# 74
65) 4,6-Dinitro-2-methylph...	15.666	198	13157	3.637	ng	# 1
66) n-Nitrosodiphenylamine	15.760	169	878833	50.178	ng	# 84
71) Phenanthrene	17.307	178	2292605	73.186	ng	# 97
72) Anthracene	17.395	178	3044689	94.752	ng	# 98
73) Carbazole	17.671	167	78186	2.675	ng	# 2
74) Di-n-butylphthalate	18.230	149	730561	17.983	ng	# 88
75) Fluoranthene	19.330	202	1001018	26.339	ng	# 90
77) Benzidine	19.530	184	18411	2.018	ng	# 1
78) Pyrene	19.695	202	1063278	35.907	ng	# 90
80) Butylbenzylphthalate	20.589	149	630454	42.935	ng	# 82
81) Benzo(a)anthracene	21.448	228	270307	9.453	ng	# 62
83) Chrysene	21.501	228	382672	13.807	ng	# 71
84) Bis(2-ethylhexyl)phtha...	21.395	149	14767147	659.737	ng	# 92
85) Di-n-octyl phthalate	22.289	149	3350586	87.049	ng	# 79
87) Indeno(1,2,3-cd)pyrene	26.359	276	185639	5.248	ng	# 93
88) Benzo(b)fluoranthene	23.142	252	504239	17.181	ng	# 1
89) Benzo(k)fluoranthene	23.142	252	502844	16.388	ng	# 1
90) Benzo(a)pyrene	23.765	252	262902	9.013	ng	# 1
91) Dibenzo(a,h)anthracene	26.365	278	68495	2.330	ng	# 1
92) Benzo(g,h,i)perylene	27.124	276	232308	7.972	ng	# 51

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

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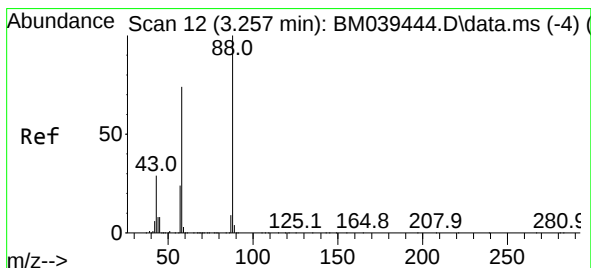
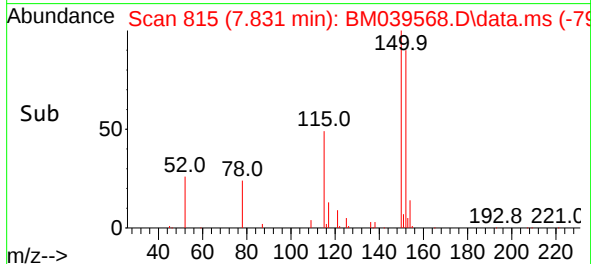
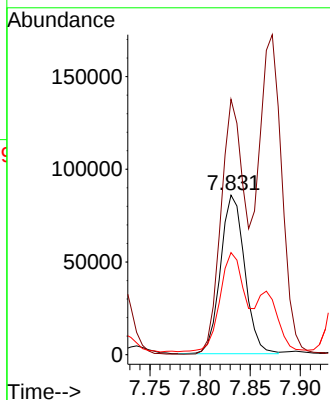
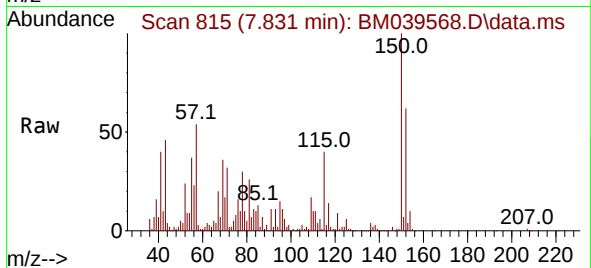




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.831 min Scan# 81
Delta R.T. 0.012 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

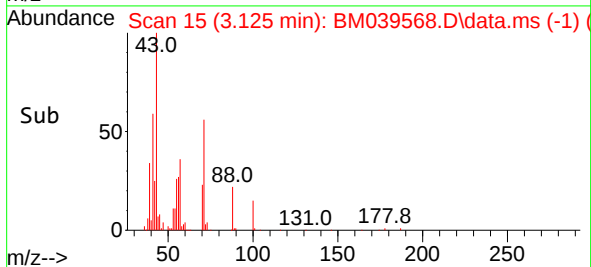
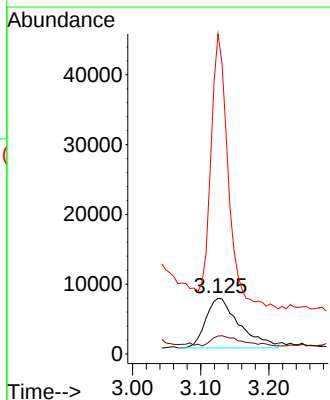
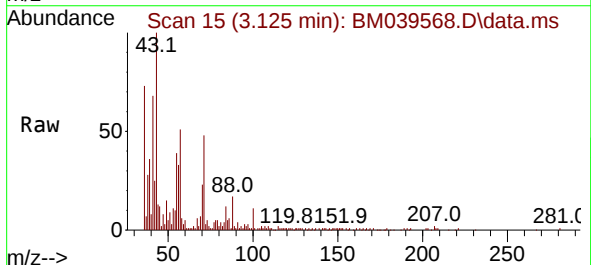
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

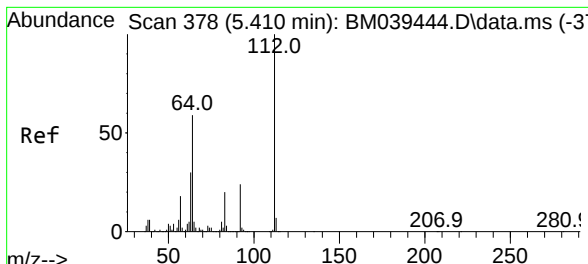
Tgt Ion:152 Resp: 143308
Ion Ratio Lower Upper
152 100
150 160.1 123.0 184.4
115 64.0 49.9 74.9



#2
1,4-Dioxane
Concen: 6.732 ng
RT: 3.125 min Scan# 15
Delta R.T. -0.123 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion: 88 Resp: 24395
Ion Ratio Lower Upper
88 100
58 18.3 59.4 89.2#
43 291.1 23.4 35.2#



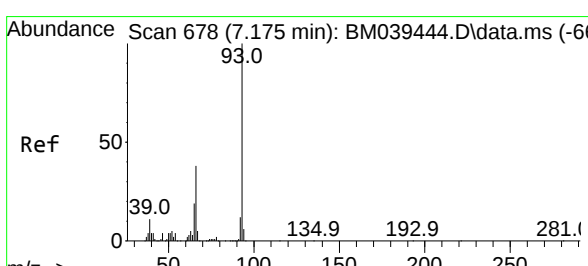
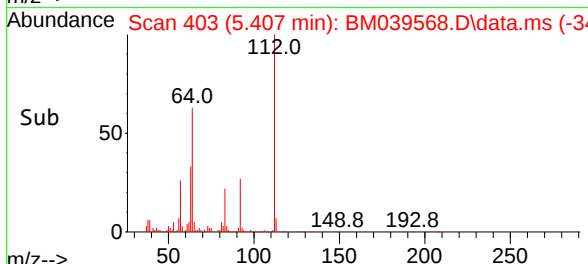
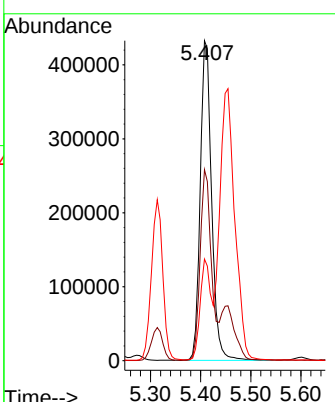
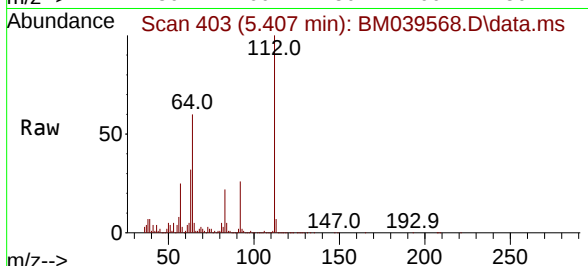


#5
 2-Fluorophenol
 Concen: 77.590 ng
 RT: 5.407 min Scan# 403
 Delta R.T. 0.018 min
 Lab File: BM039568.D
 Acq: 22 Apr 2023 01:18

Instrument :
 BNA_M
 ClientSampleId :
 SPA-4WC-23-04

Tgt Ion: 112 Resp: 680564

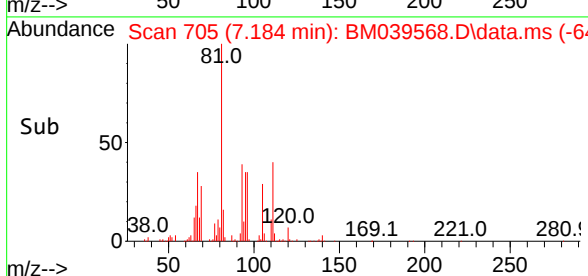
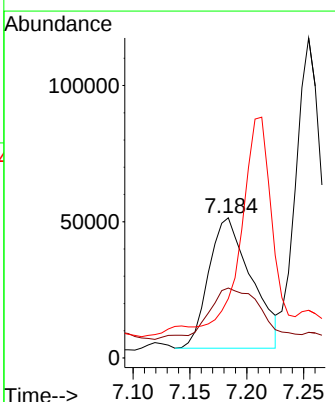
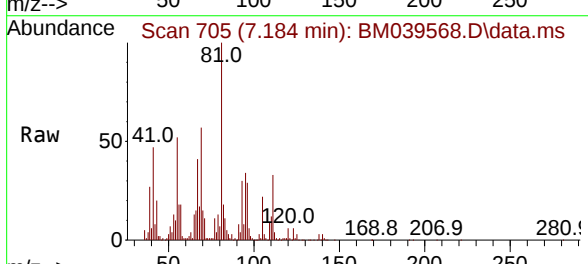
Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.0	70.4
63	31.8	24.2	36.4

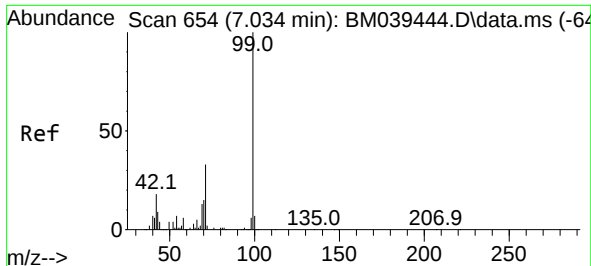


#6
 Aniline
 Concen: 7.686 ng
 RT: 7.184 min Scan# 705
 Delta R.T. 0.030 min
 Lab File: BM039568.D
 Acq: 22 Apr 2023 01:18

Tgt Ion: 93 Resp: 125002

Ion	Ratio	Lower	Upper
93	100		
66	49.8	30.6	46.0#
65	42.3	15.7	23.5#

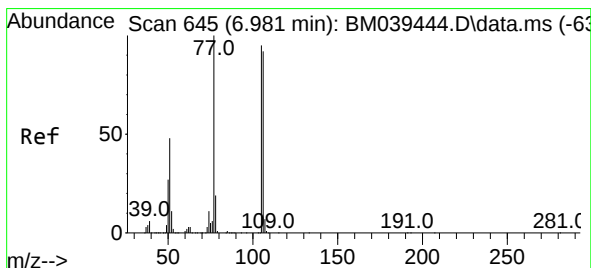
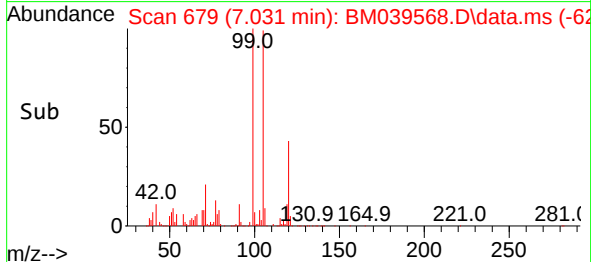
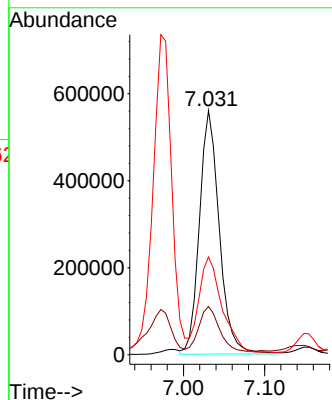
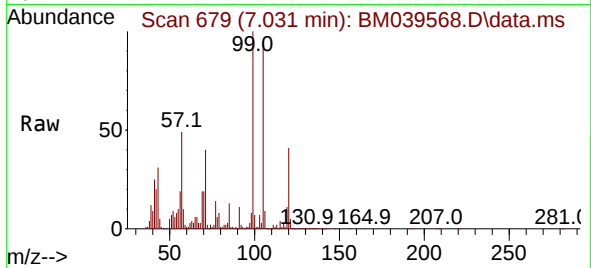




#7
Phenol-d6
Concen: 74.031 ng
RT: 7.031 min Scan# 61
Delta R.T. 0.024 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

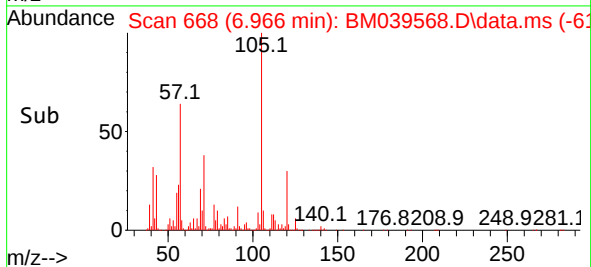
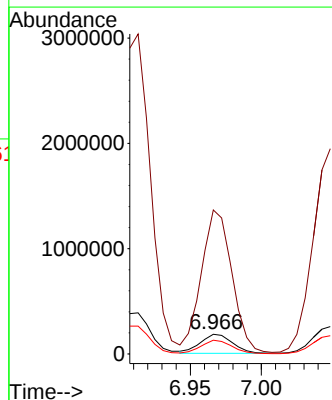
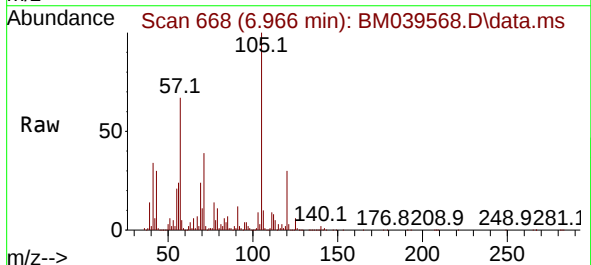
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ClientSampleId :
SPA-4WC-23-04

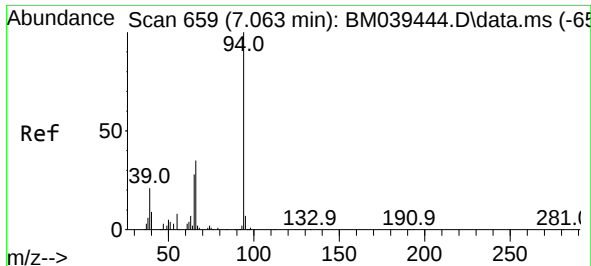
Tgt Ion: 99 Resp: 954295
Ion Ratio Lower Upper
99 100
42 19.7 14.2 21.4
71 40.0 26.8 40.2



#9
Benzaldehyde
Concen: 43.081 ng
RT: 6.966 min Scan# 668
Delta R.T. 0.000 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion: 77 Resp: 286345
Ion Ratio Lower Upper
77 100
105 731.0 75.3 115.3#
106 69.8 71.9 111.9#

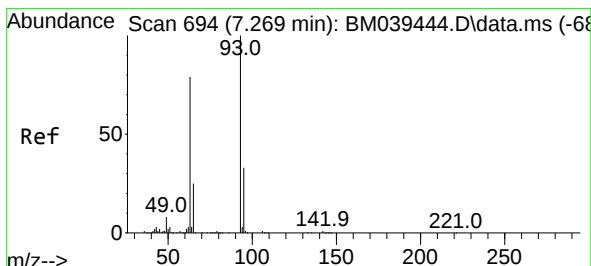
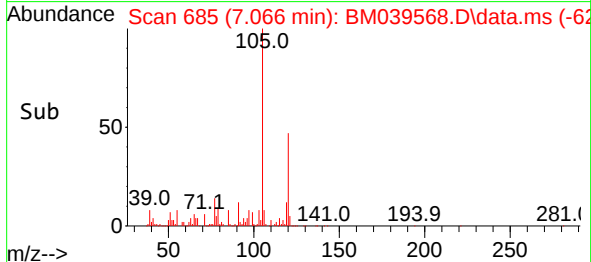
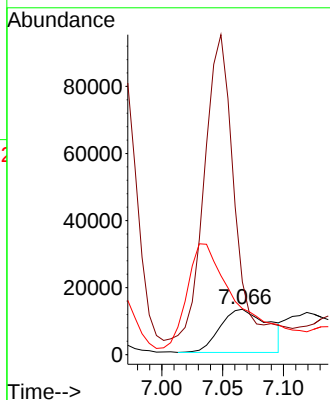
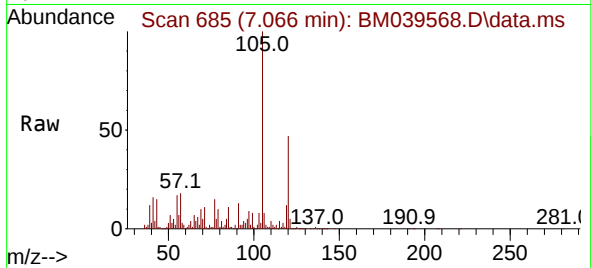




#10
Phenol
Concen: 2.812 ng
RT: 7.066 min Scan# 61
Delta R.T. 0.035 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

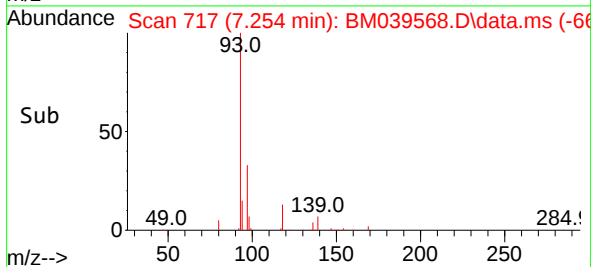
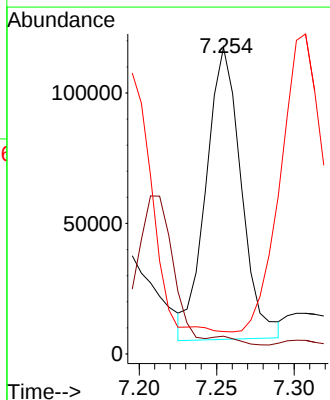
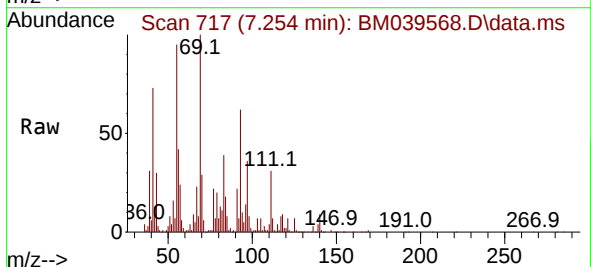
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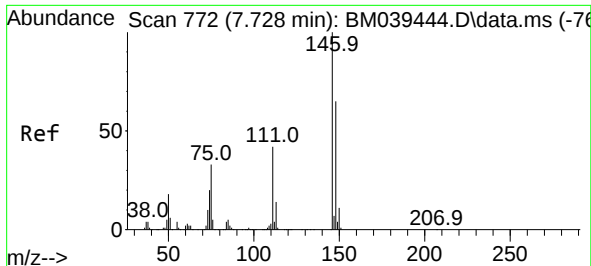
Tgt Ion: 94 Resp: 35553
Ion Ratio Lower Upper
94 100
65 160.3 8.2 48.2#
66 101.3 16.7 56.7#



#11
bis(2-Chloroethyl)ether
Concen: 16.277 ng
RT: 7.254 min Scan# 717
Delta R.T. 0.000 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion: 93 Resp: 176520
Ion Ratio Lower Upper
93 100
63 5.8 58.1 98.1#
95 7.3 12.4 52.4#

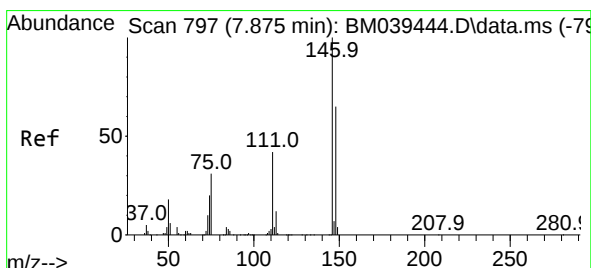
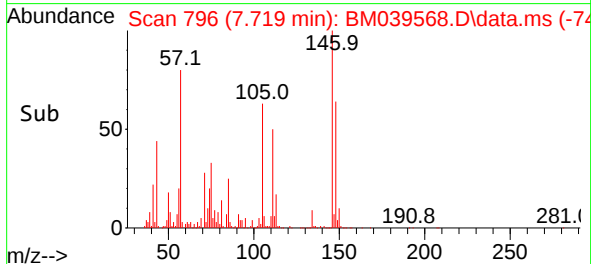
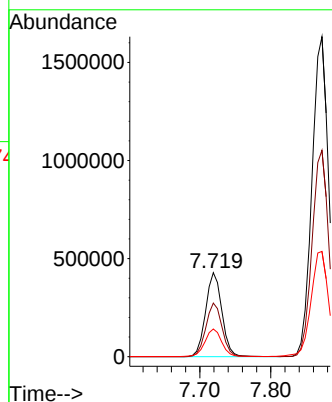
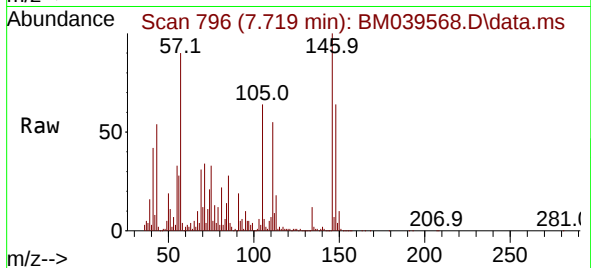




#12
1,3-Dichlorobenzene
Concen: 65.716 ng
RT: 7.719 min Scan# 719
Delta R.T. 0.012 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

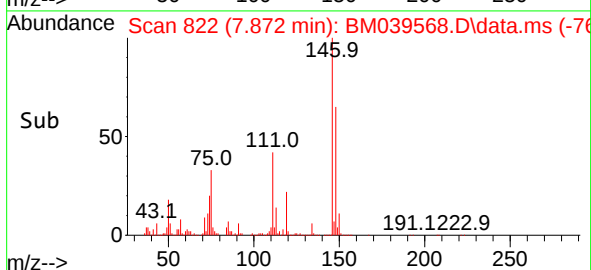
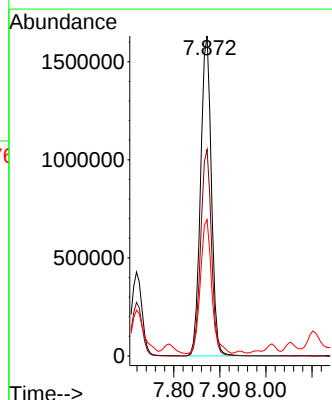
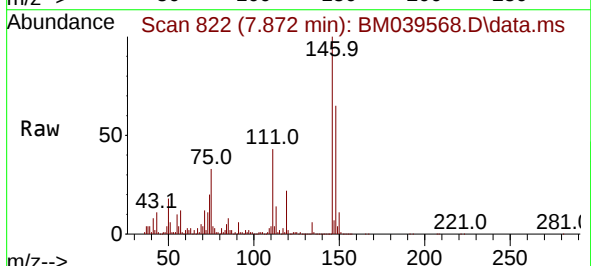
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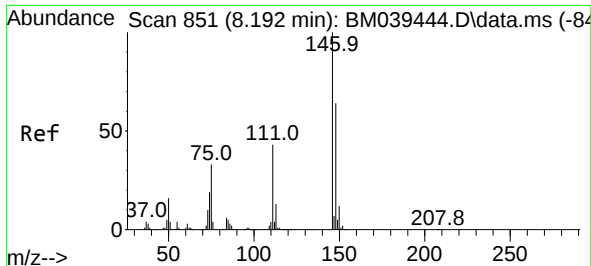
Tgt Ion:146 Resp: 681148
Ion Ratio Lower Upper
146 100
148 63.8 52.0 78.0
75 33.1 26.6 39.8



#13
1,4-Dichlorobenzene
Concen: 256.322 ng
RT: 7.872 min Scan# 822
Delta R.T. 0.018 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:146 Resp: 2663506
Ion Ratio Lower Upper
146 100
148 64.5 51.7 77.5
111 42.6 33.5 50.3

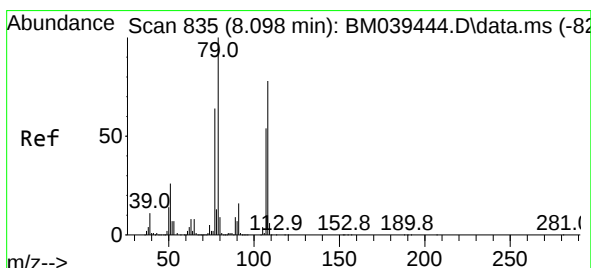
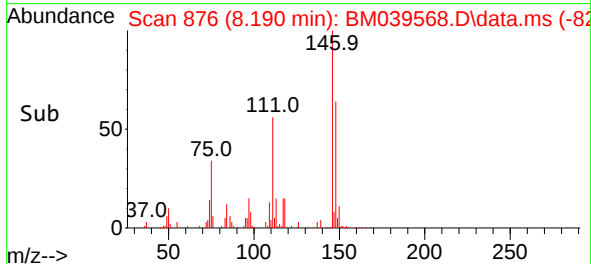
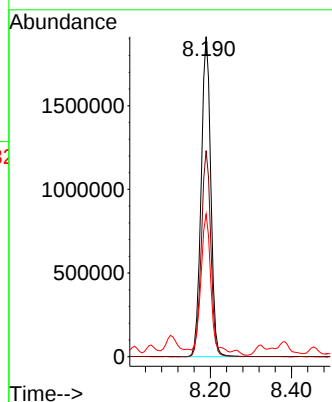
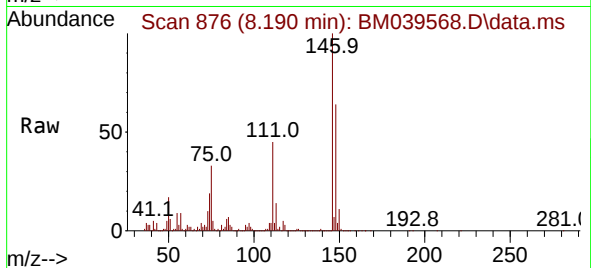




#14
1,2-Dichlorobenzene
Concen: 305.413 ng
RT: 8.190 min Scan# 81
Delta R.T. 0.018 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

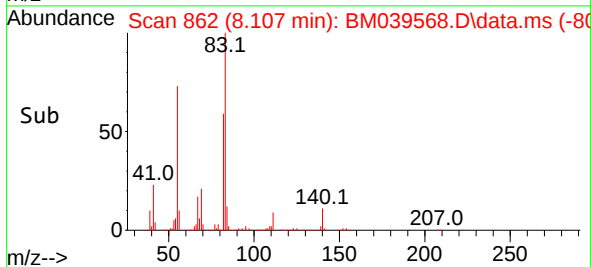
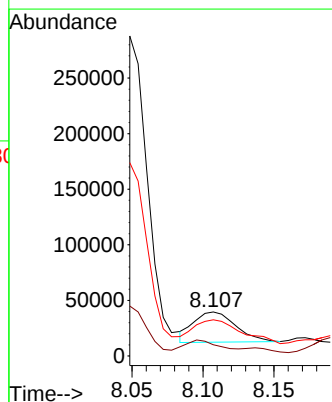
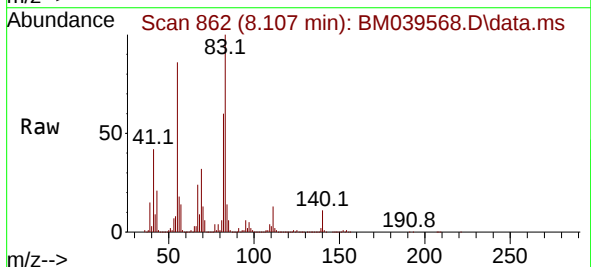
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

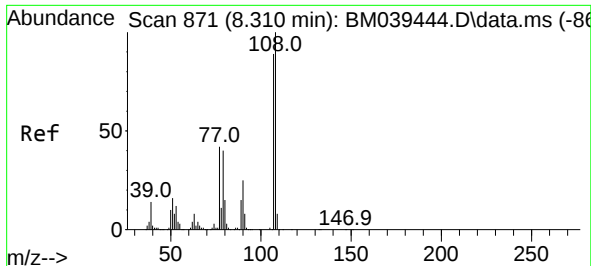
Tgt Ion:146 Resp: 3151823
Ion Ratio Lower Upper
146 100
148 64.4 51.4 77.2
111 44.6 34.3 51.5



#15
Benzyl Alcohol
Concen: 5.969 ng
RT: 8.107 min Scan# 862
Delta R.T. 0.030 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion: 79 Resp: 56084
Ion Ratio Lower Upper
79 100
108 25.3 62.6 93.8#
77 82.0 51.5 77.3#

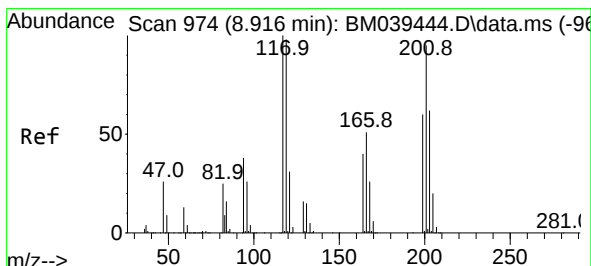
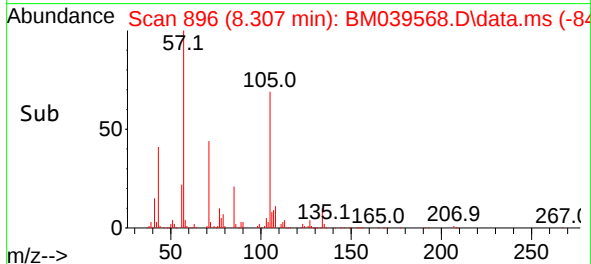
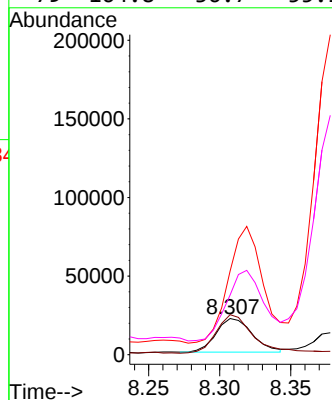
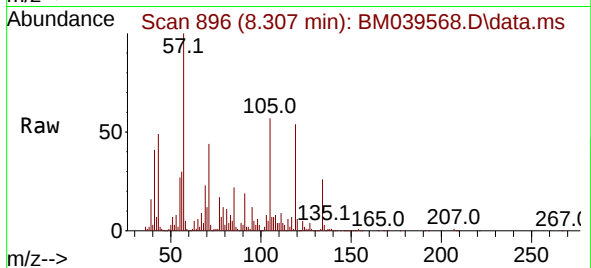




#17
2-Methylphenol
Concen: 4.075 ng
RT: 8.307 min Scan# 896
Delta R.T. 0.024 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

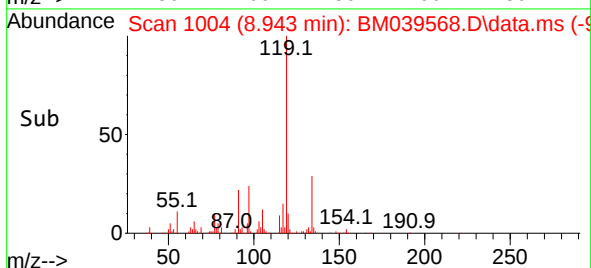
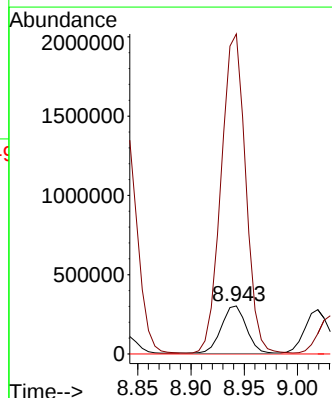
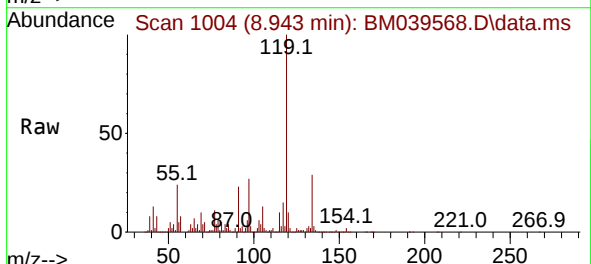
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

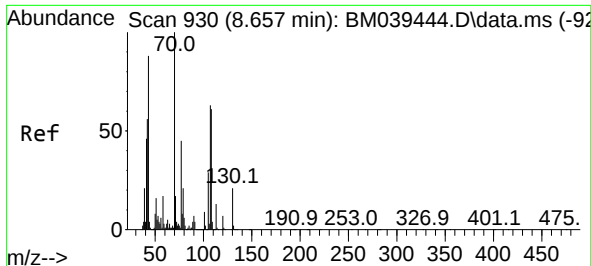
Tgt Ion:	107	Resp:	38048
Ion Ratio	Lower	Upper	
107	100		
108	110.6	90.3	135.5
77	231.4	38.6	58.0#
79	164.8	36.7	55.1#



#18
Hexachloroethane
Concen: 119.646 ng
RT: 8.943 min Scan# 1004
Delta R.T. 0.047 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:	117	Resp:	494327
Ion Ratio	Lower	Upper	
117	100		
119	665.6	78.2	117.2#
201	0.0	76.0	114.0#

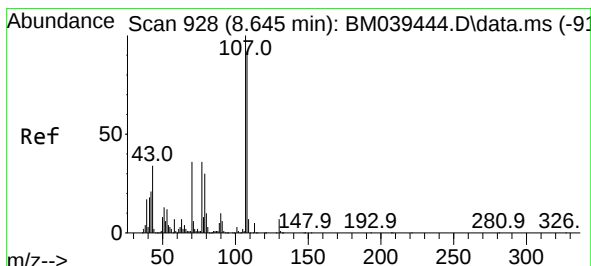
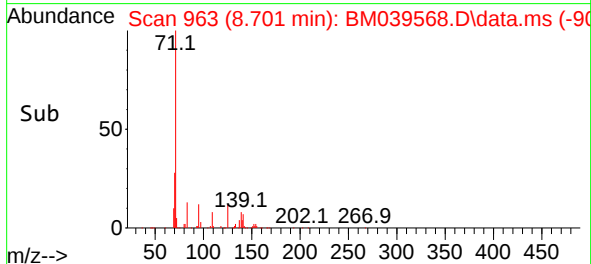
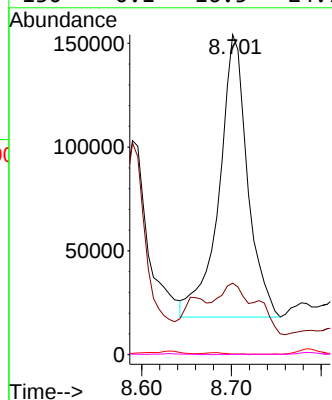
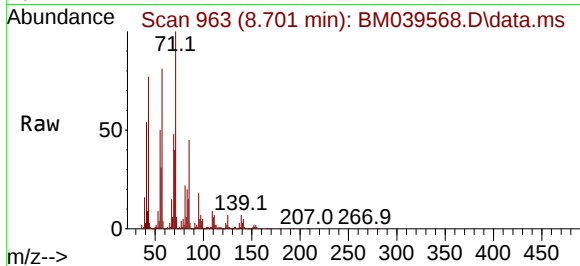




#19
n-Nitroso-di-n-propylamine
Concen: 30.669 ng
RT: 8.701 min Scan# 90
Delta R.T. 0.059 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

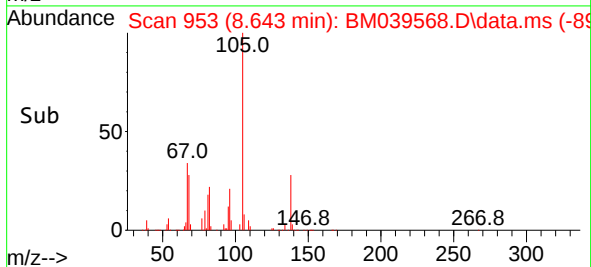
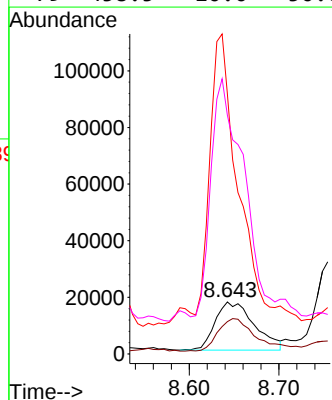
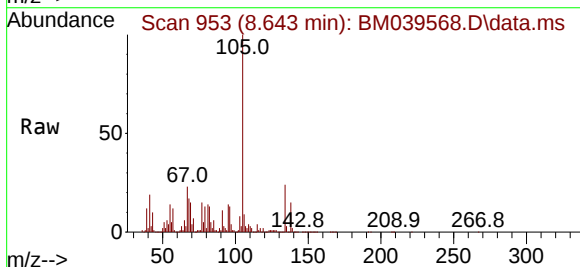
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

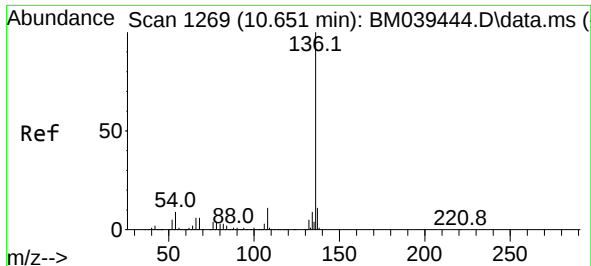
Tgt Ion: 70 Resp: 299136
Ion Ratio Lower Upper
70 100
42 22.4 44.7 67.1#
101 0.2 7.5 11.3#
130 0.1 16.5 24.7#



#20
3+4-Methylphenols
Concen: 4.028 ng
RT: 8.643 min Scan# 953
Delta R.T. 0.030 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion: 107 Resp: 51692
Ion Ratio Lower Upper
107 100
108 62.0 71.6 111.6#
77 499.0 16.2 56.2#
79 458.5 10.0 50.0#

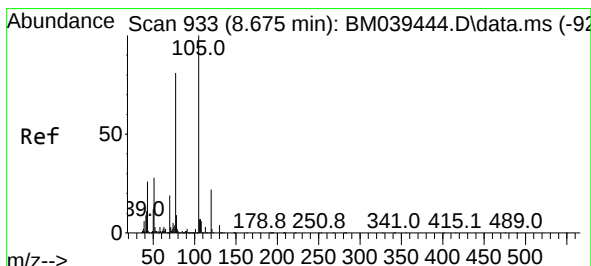
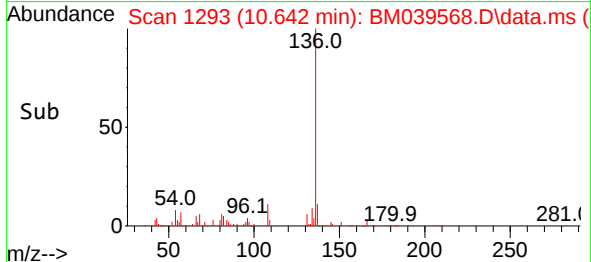
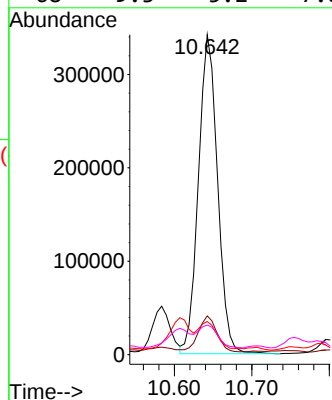
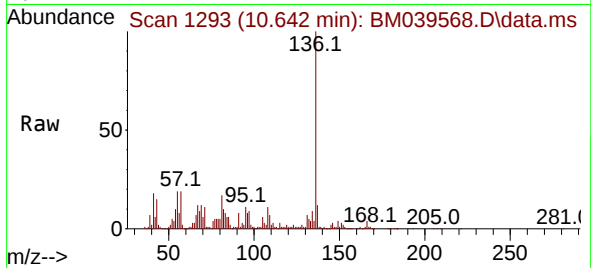




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.642 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

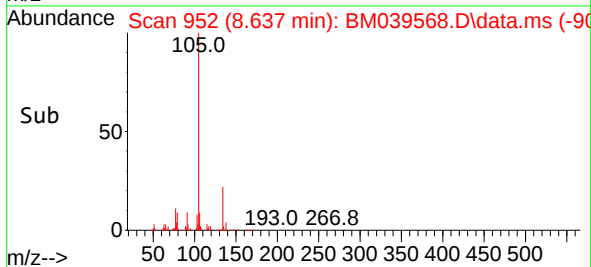
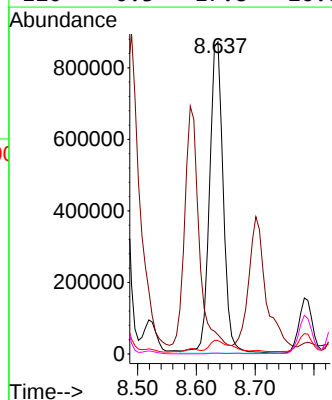
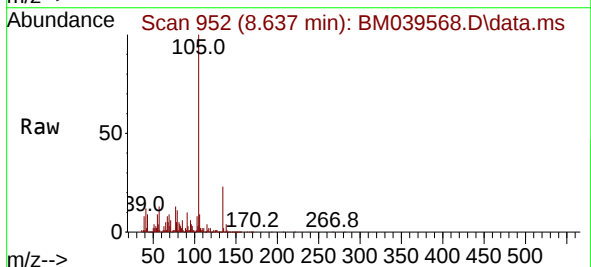
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

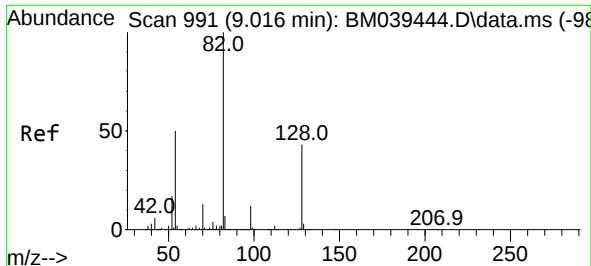
Tgt Ion:	136	Resp:	585739
Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.6	13.0
54	10.3	6.9	10.3#
68	9.3	5.2	7.8#



#22
Acetophenone
Concen: 90.954 ng
RT: 8.637 min Scan# 952
Delta R.T. -0.018 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:	105	Resp:	1411747
Ion	Ratio	Lower	Upper
105	100		
71	6.2	2.6	3.8#
51	4.3	22.3	33.5#
120	0.3	17.8	26.8#

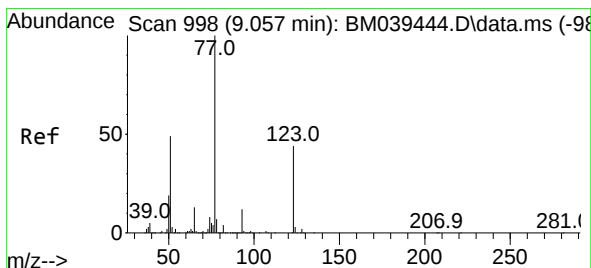
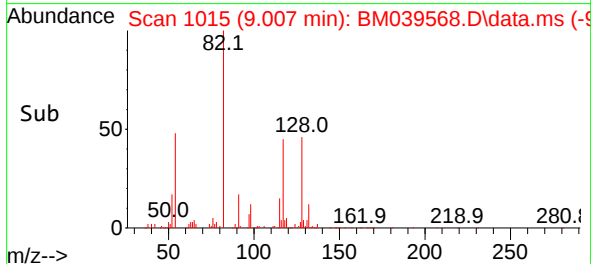
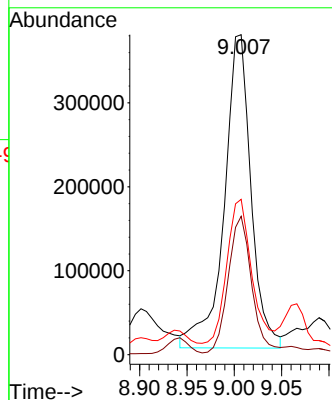
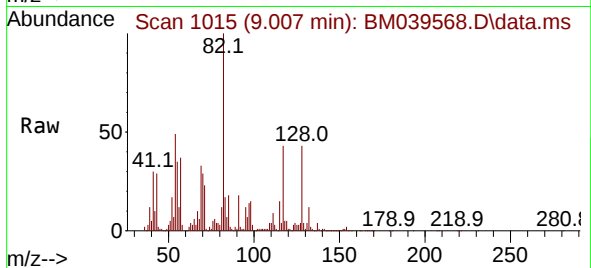




#23
Nitrobenzene-d5
Concen: 61.492 ng
RT: 9.007 min Scan# 1015
Delta R.T. 0.012 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

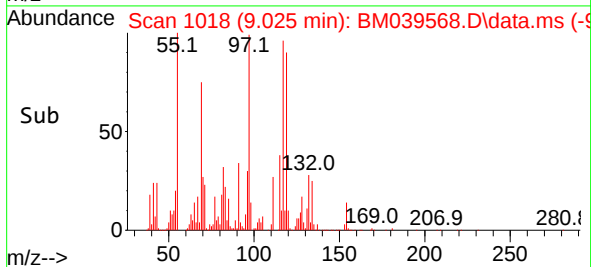
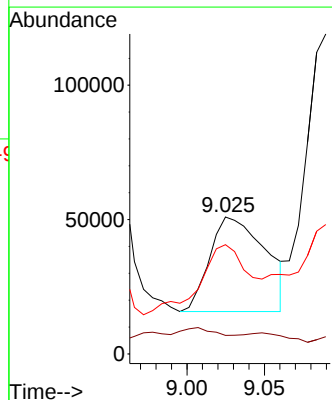
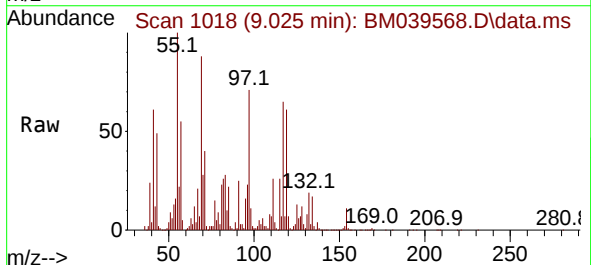
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

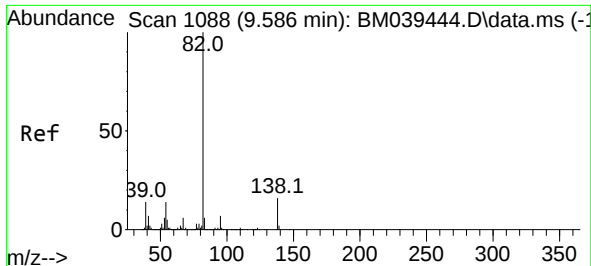
Tgt Ion: 82 Resp: 735508
Ion Ratio Lower Upper
82 100
128 43.3 34.2 51.2
54 48.5 39.7 59.5



#24
Nitrobenzene
Concen: 7.435 ng
RT: 9.025 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion: 77 Resp: 87585
Ion Ratio Lower Upper
77 100
123 13.6 35.0 52.6#
65 79.8 10.4 15.6#

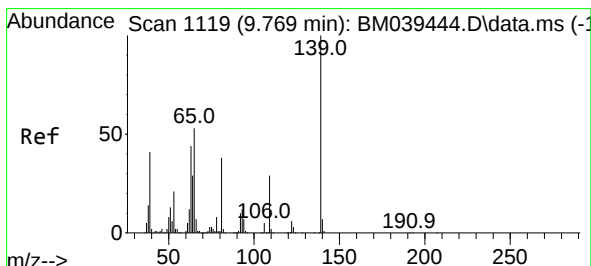
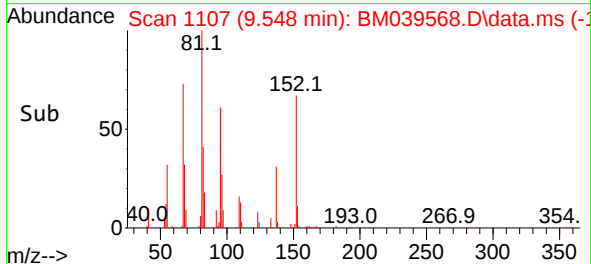
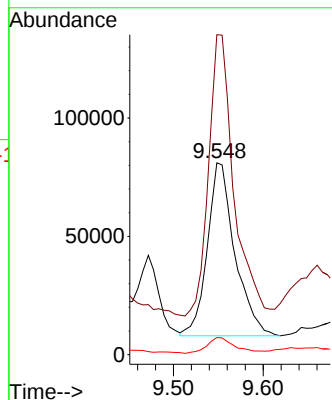
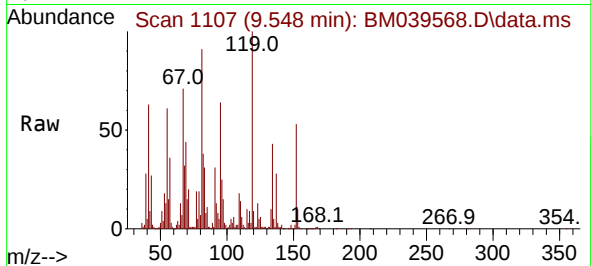




#25
Isophorone
Concen: 6.302 ng
RT: 9.548 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

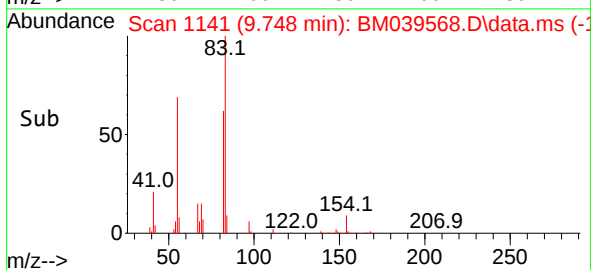
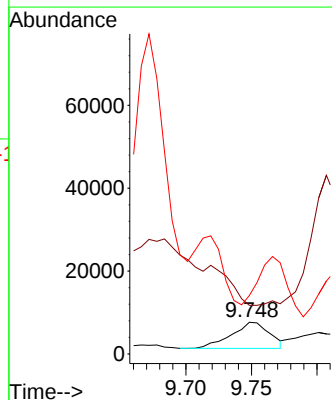
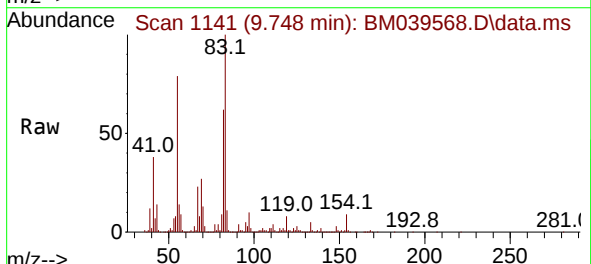
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

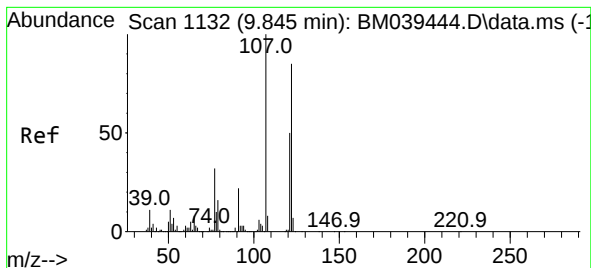
Tgt Ion: 82 Resp: 156125
Ion Ratio Lower Upper
82 100
95 166.8 5.2 7.8#
138 9.0 13.1 19.7#



#26
2-Nitrophenol
Concen: 2.388 ng
RT: 9.748 min Scan# 1141
Delta R.T. 0.000 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:139 Resp: 12697
Ion Ratio Lower Upper
139 100
109 153.8 23.0 34.6#
65 184.4 42.9 64.3#





#27

2,4-Dimethylphenol

Concen: 22.250 ng

RT: 9.837 min Scan# 1156

Delta R.T. 0.018 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

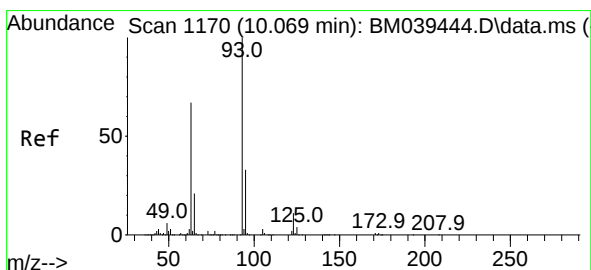
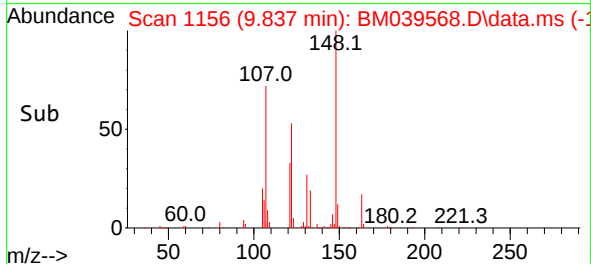
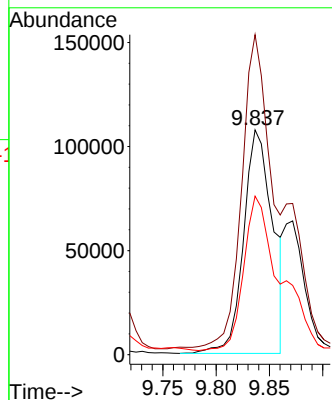
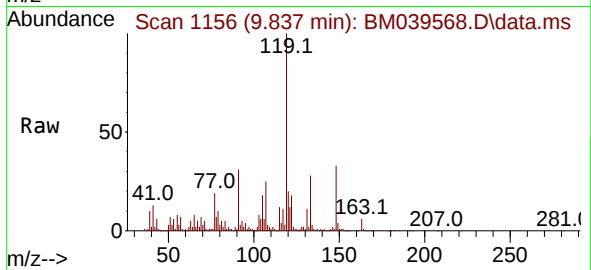
Tgt Ion:122 Resp: 204411

Ion Ratio Lower Upper

122 100

107 142.4 94.3 141.5#

121 70.5 46.7 70.1#



#28

bis(2-Chloroethoxy)methane

Concen: 3.893 ng

RT: 10.048 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

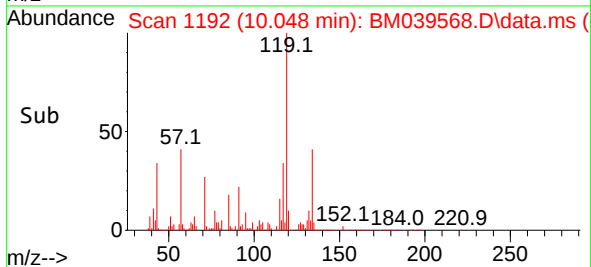
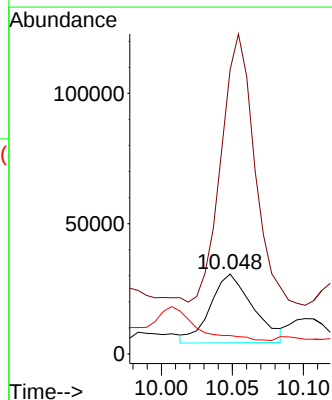
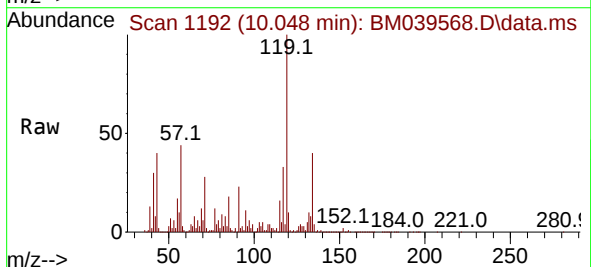
Tgt Ion: 93 Resp: 54816

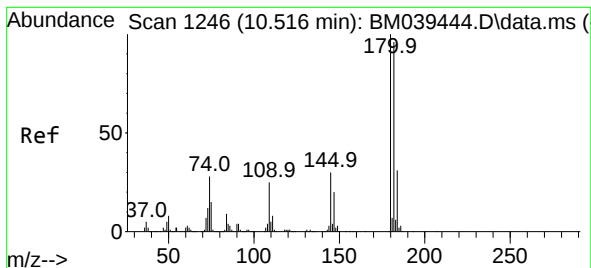
Ion Ratio Lower Upper

93 100

95 356.0 26.0 39.0#

123 23.0 8.8 13.2#





#30

1,2,4-Trichlorobenzene

Concen: 205.286 ng

RT: 10.507 min Scan# 1

Delta R.T. 0.018 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

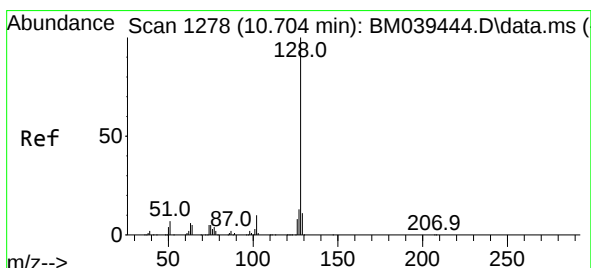
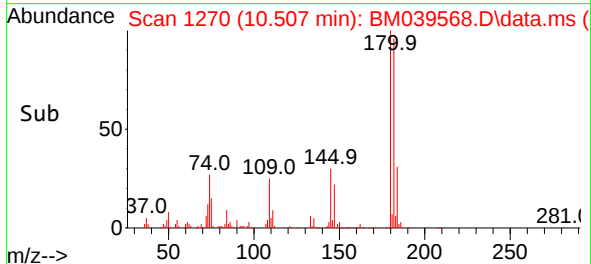
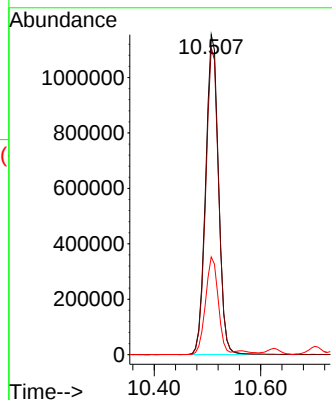
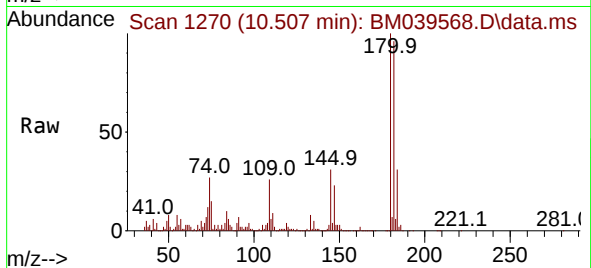
Tgt Ion:180 Resp: 1932838

Ion Ratio Lower Upper

180 100

182 95.9 76.5 114.7

145 30.5 24.2 36.4



#31

Naphthalene

Concen: 167.230 ng

RT: 10.695 min Scan# 1302

Delta R.T. 0.018 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

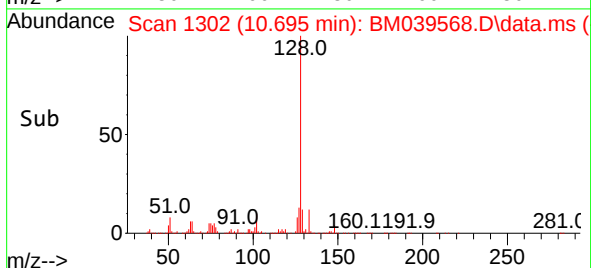
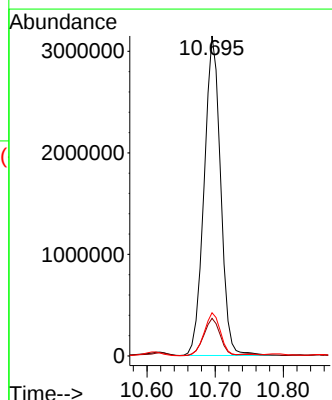
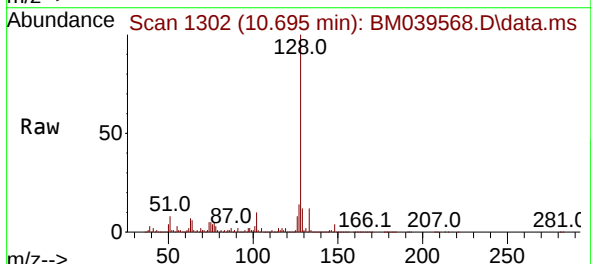
Tgt Ion:128 Resp: 5292748

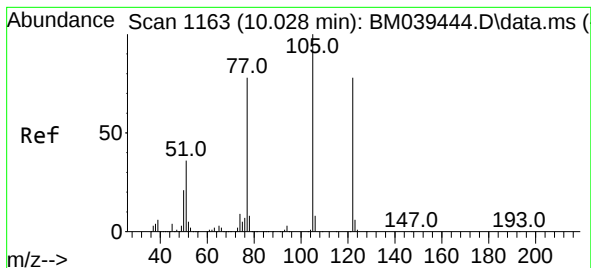
Ion Ratio Lower Upper

128 100

129 11.7 8.6 12.8

127 13.5 10.3 15.5





#32

Benzoic acid

Concen: 7.246 ng

RT: 10.101 min Scan# 1163

Delta R.T. 0.094 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

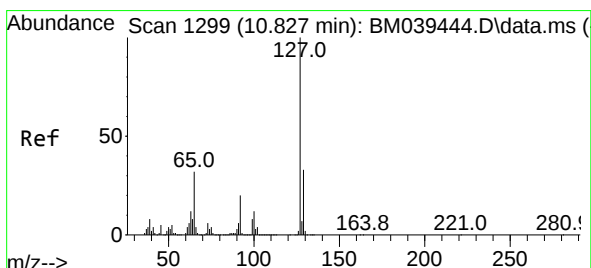
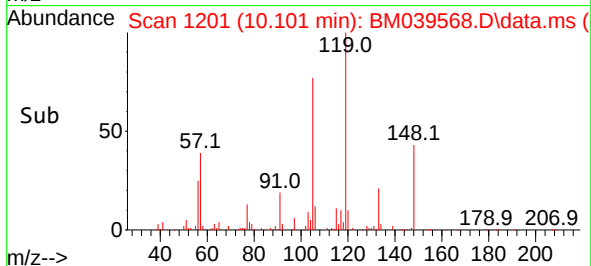
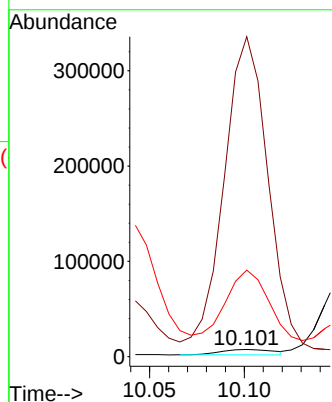
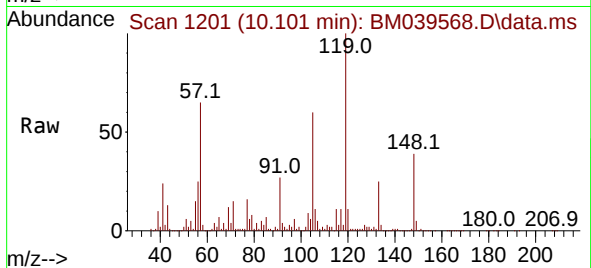
Tgt Ion:122 Resp: 10626

Ion Ratio Lower Upper

122 100

105 4455.5 105.9 145.9#

77 1206.3 78.8 118.8#



#33

4-Chloroaniline

Concen: 3.311 ng

RT: 10.789 min Scan# 1318

Delta R.T. -0.012 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Tgt Ion:127 Resp: 44269

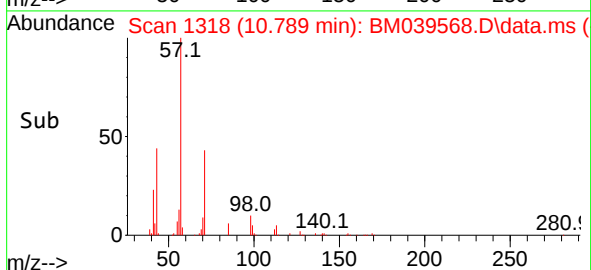
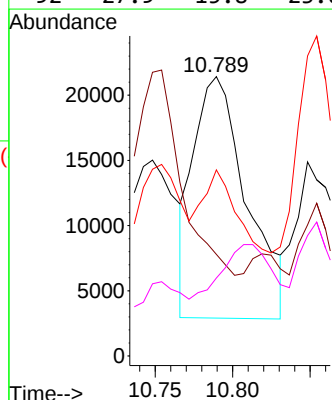
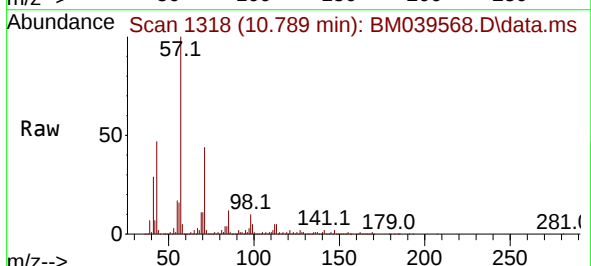
Ion Ratio Lower Upper

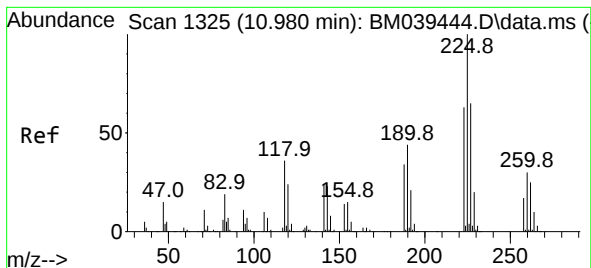
127 100

129 36.4 26.1 39.1

65 66.6 25.7 38.5#

92 27.9 15.8 23.6#





#34

Hexachlorobutadiene

Concen: 2.019 ng

RT: 10.966 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

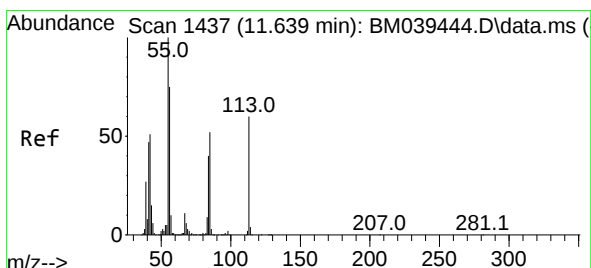
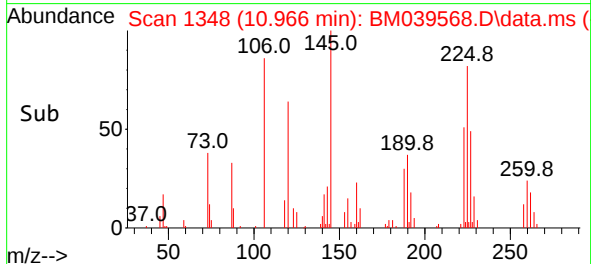
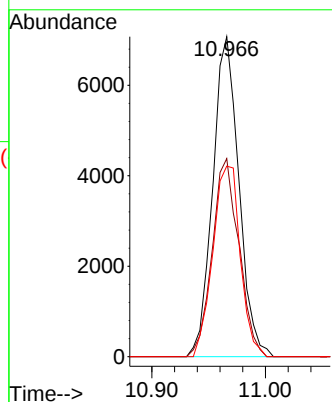
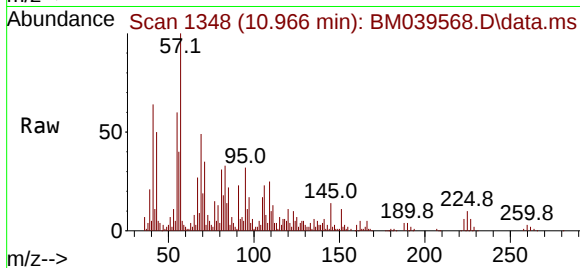
Tgt Ion:225 Resp: 11290

Ion Ratio Lower Upper

225 100

223 59.6 50.1 75.1

227 60.9 51.7 77.5



#35

Caprolactam

Concen: 40.536 ng

RT: 11.660 min Scan# 1466

Delta R.T. 0.047 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

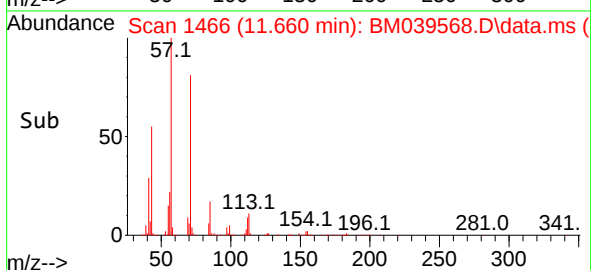
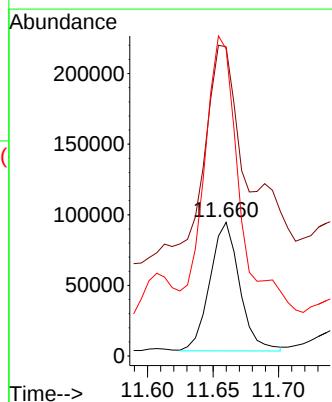
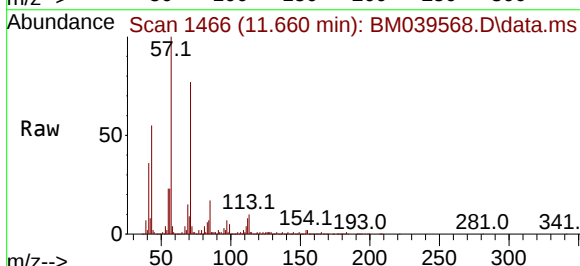
Tgt Ion:113 Resp: 143812

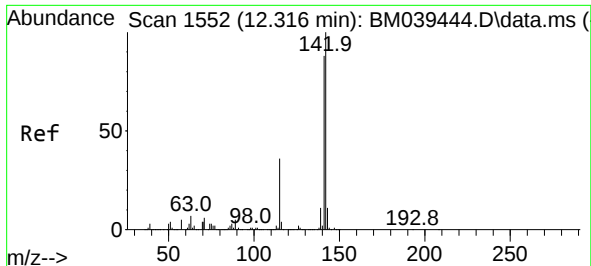
Ion Ratio Lower Upper

113 100

55 231.3 147.8 187.8#

56 229.8 105.6 145.6#

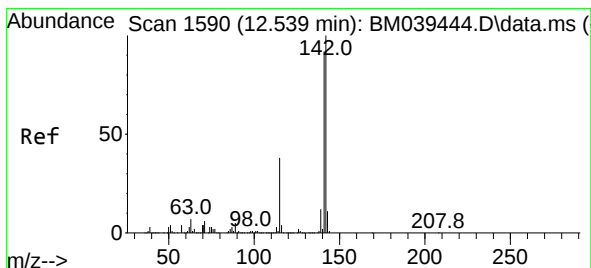
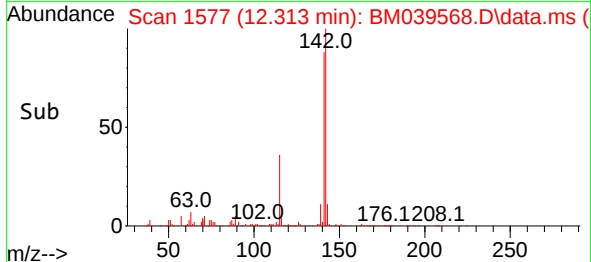
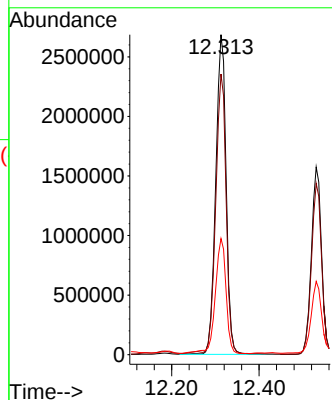
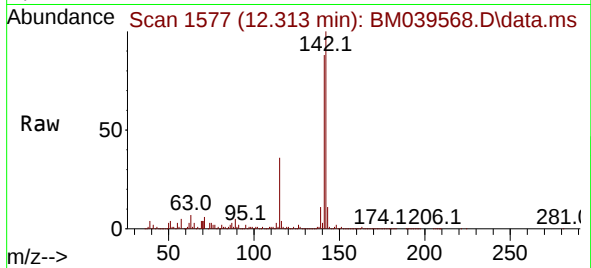




#37
2-Methylnaphthalene
Concen: 190.367 ng
RT: 12.313 min Scan# 1552
Delta R.T. 0.018 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

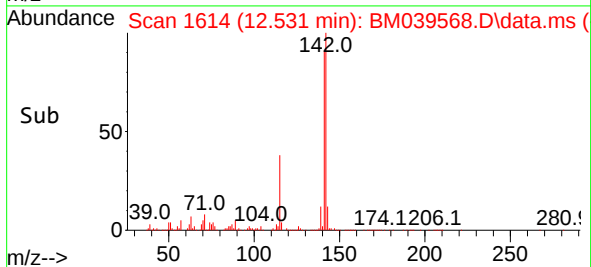
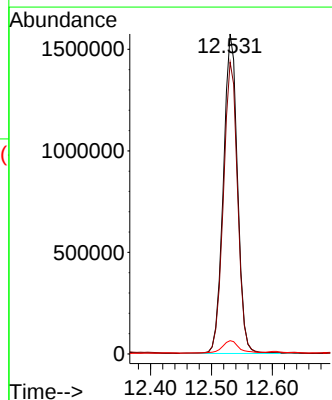
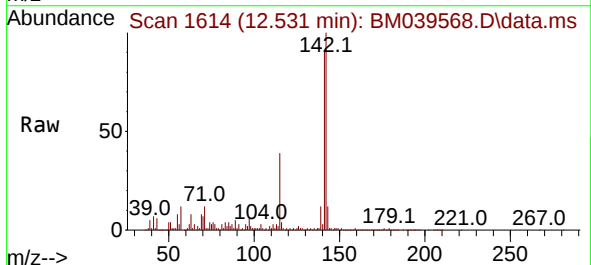
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

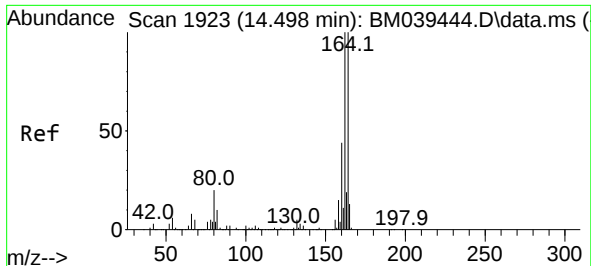
Tgt Ion:142 Resp: 4427751
Ion Ratio Lower Upper
142 100
141 87.7 70.4 105.6
115 36.3 28.8 43.2



#38
1-Methylnaphthalene
Concen: 115.679 ng
RT: 12.531 min Scan# 1614
Delta R.T. 0.018 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:142 Resp: 2535395
Ion Ratio Lower Upper
142 100
141 91.2 73.3 109.9
116 4.2 3.1 4.7

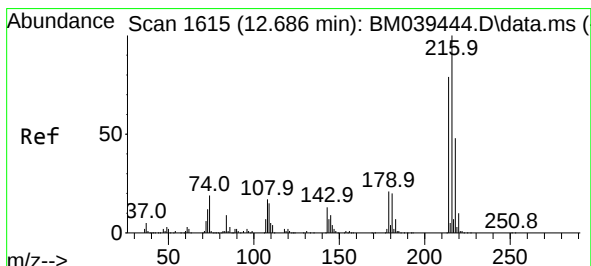
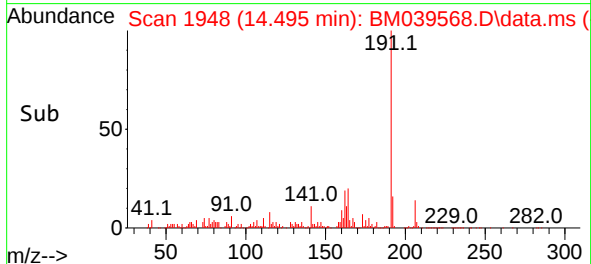
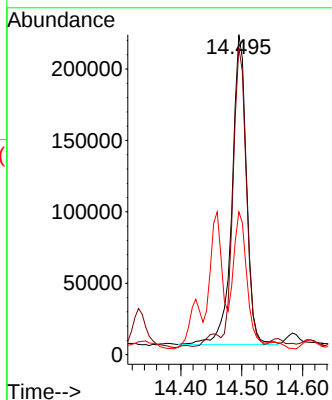
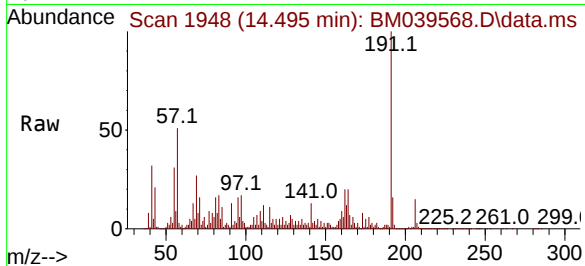




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.495 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

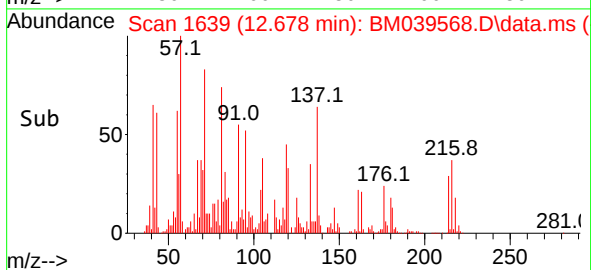
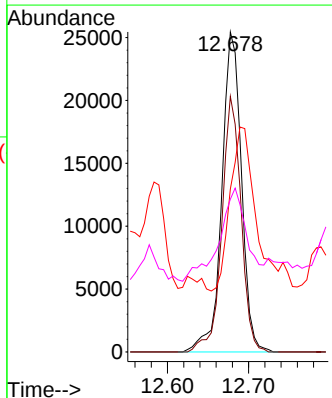
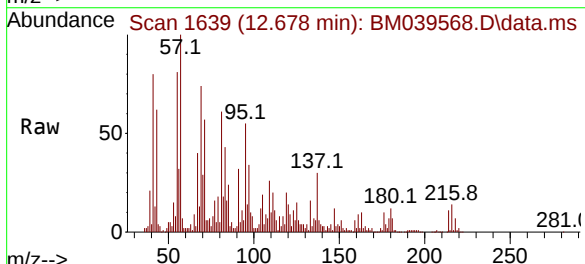
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

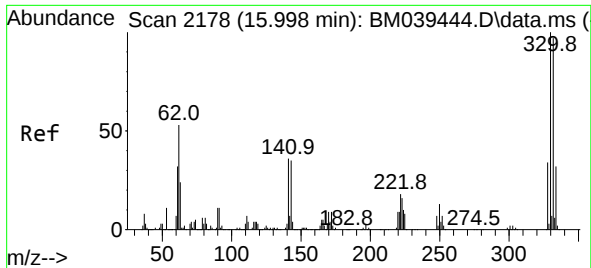
Tgt Ion:164 Resp: 362378
Ion Ratio Lower Upper
164 100
162 96.0 79.8 119.8
160 44.6 35.0 52.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.044 ng
RT: 12.678 min Scan# 1639
Delta R.T. 0.012 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:216 Resp: 42745
Ion Ratio Lower Upper
216 100
214 78.2 63.0 94.6
179 72.1 16.8 25.2#
108 41.1 16.2 24.2#

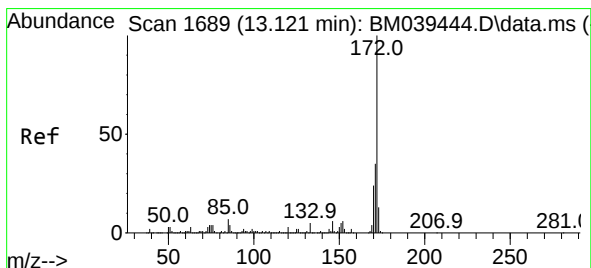
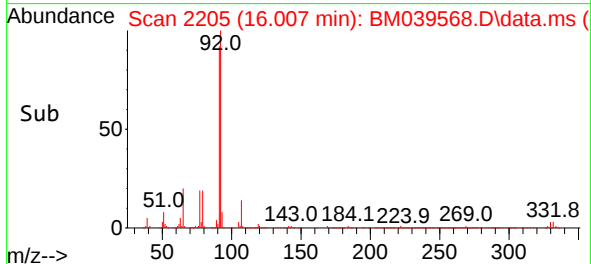
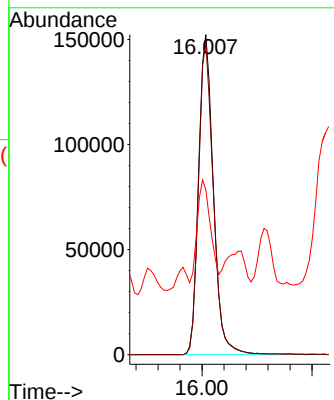
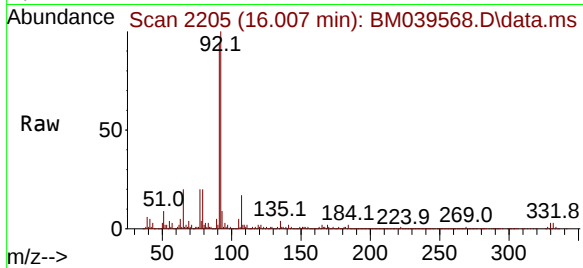




#42
2,4,6-Tribromophenol
Concen: 60.777 ng
RT: 16.007 min Scan# 2178
Delta R.T. 0.030 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

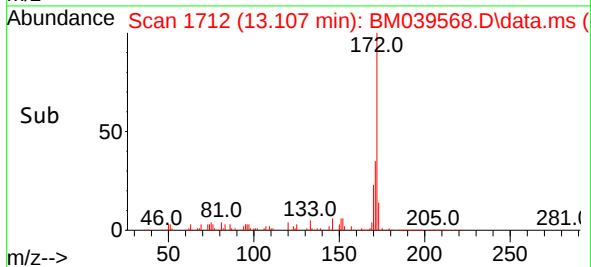
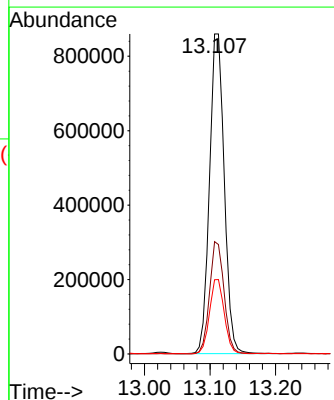
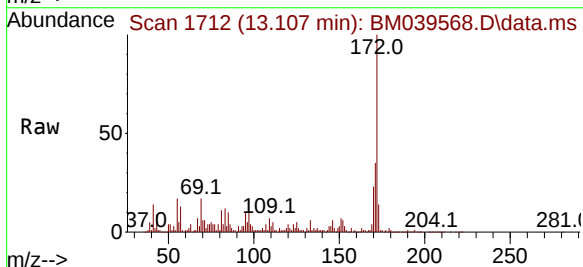
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

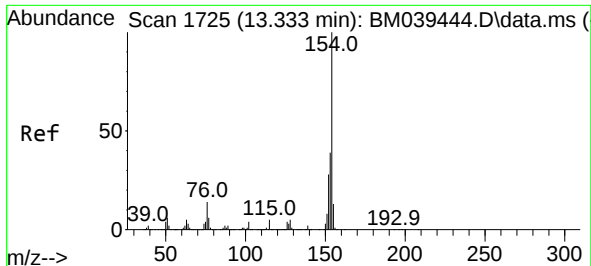
Tgt Ion:330 Resp: 285798
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.2
141 30.4 31.0 46.6#



#45
2-Fluorobiphenyl
Concen: 51.433 ng
RT: 13.107 min Scan# 1712
Delta R.T. 0.006 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:172 Resp: 1347050
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 23.2 19.0 28.4

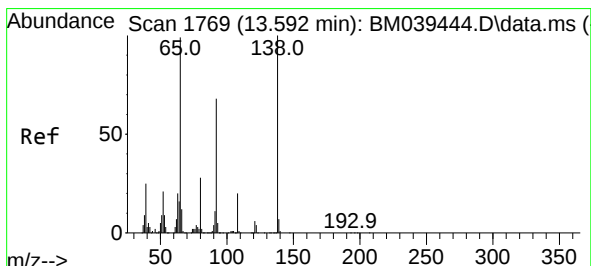
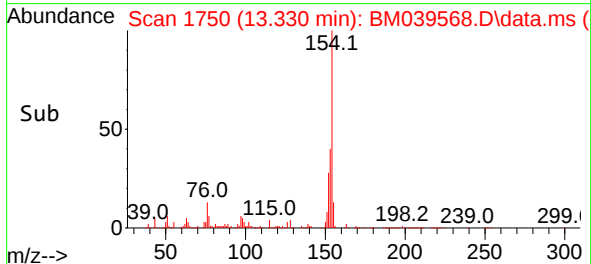
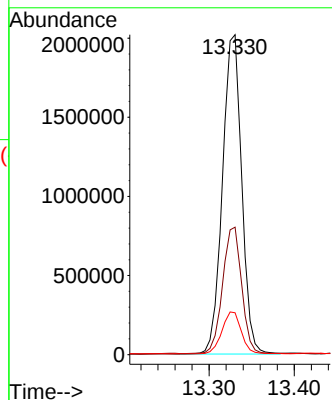
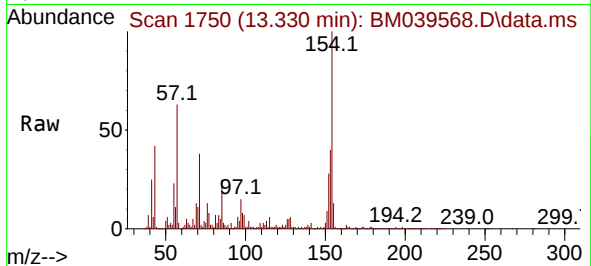




#46
1,1'-Biphenyl
Concen: 113.331 ng
RT: 13.330 min Scan# 1
Delta R.T. 0.018 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

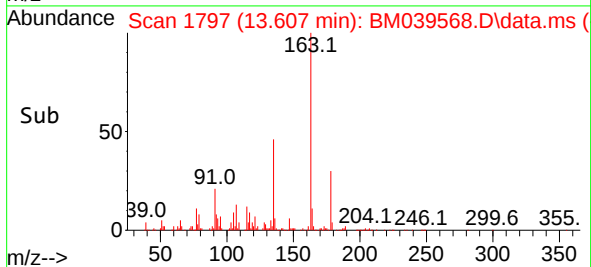
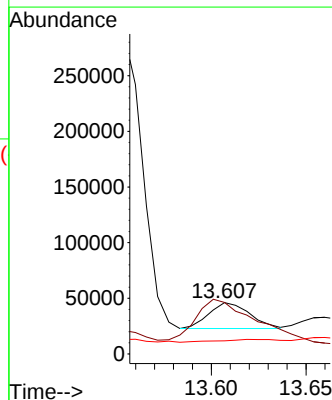
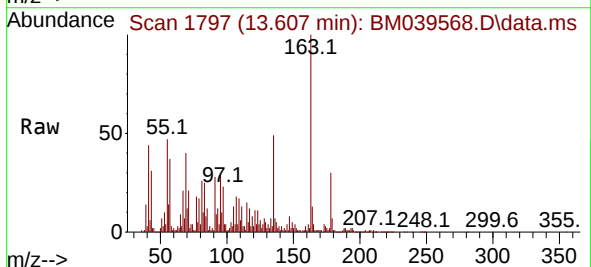
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

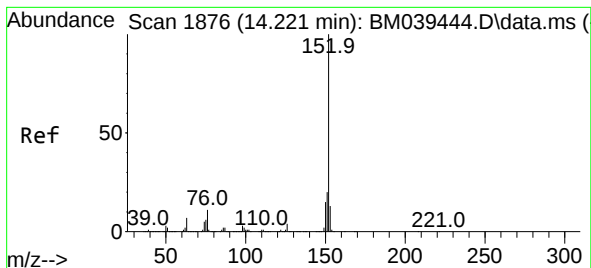
Tgt Ion:154 Resp: 3163964
Ion Ratio Lower Upper
154 100
153 39.9 19.5 59.5
76 13.1 0.0 34.1



#48
2-Nitroaniline
Concen: 4.936 ng
RT: 13.607 min Scan# 1797
Delta R.T. 0.029 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion: 65 Resp: 35029
Ion Ratio Lower Upper
65 100
92 100.4 54.7 82.1#
138 25.6 80.8 121.2#





#49

Acenaphthylene

Concen: 3.067 ng

RT: 14.219 min Scan# 1901

Delta R.T. 0.018 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

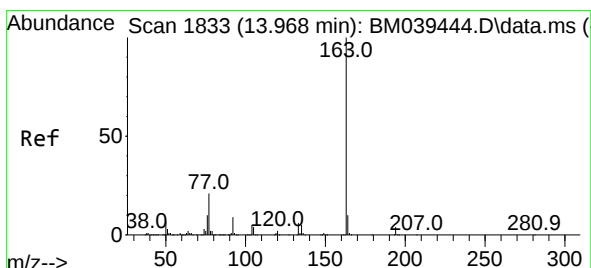
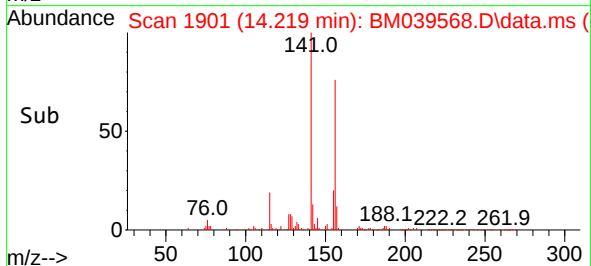
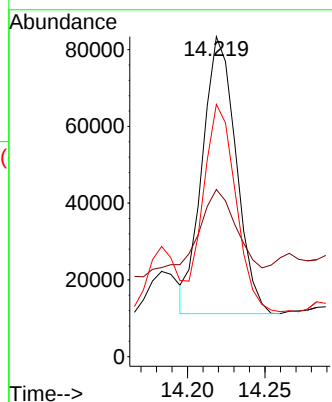
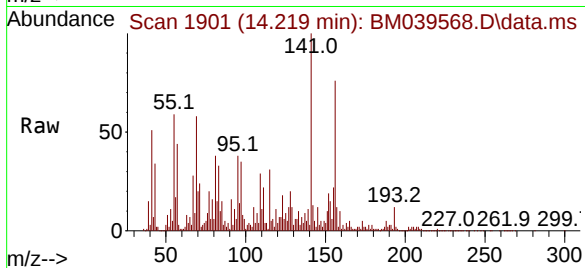
Tgt Ion:152 Resp: 108862

Ion Ratio Lower Upper

152 100

151 52.2 16.0 24.0#

153 78.9 10.6 15.8#



#50

Dimethylphthalate

Concen: 7.731 ng

RT: 13.848 min Scan# 1838

Delta R.T. -0.100 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

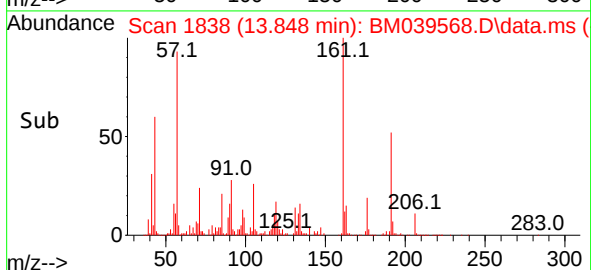
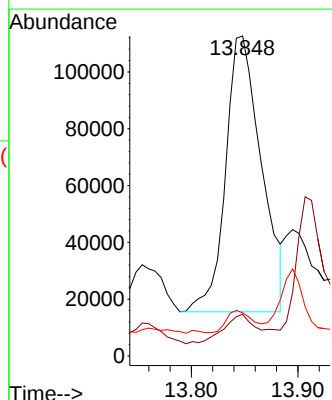
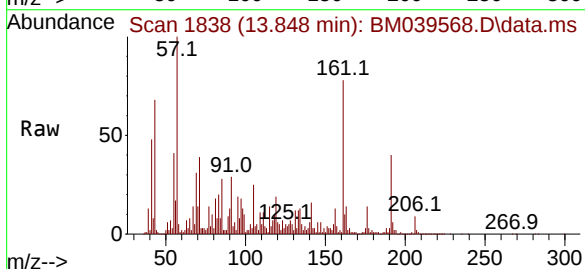
Tgt Ion:163 Resp: 226765

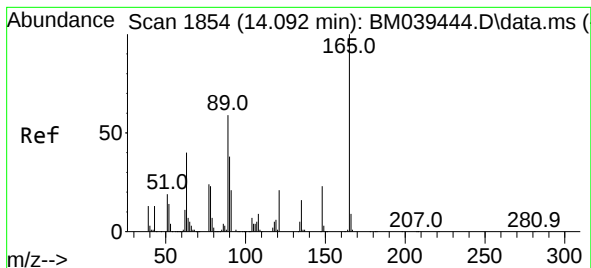
Ion Ratio Lower Upper

163 100

194 13.0 3.4 5.0#

164 13.5 8.1 12.1#

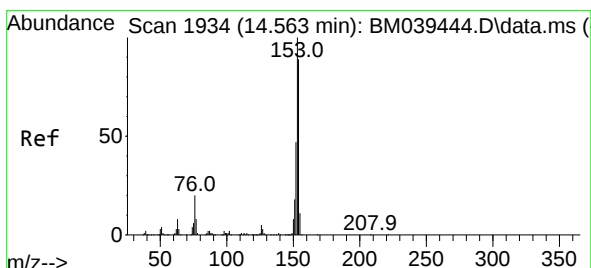
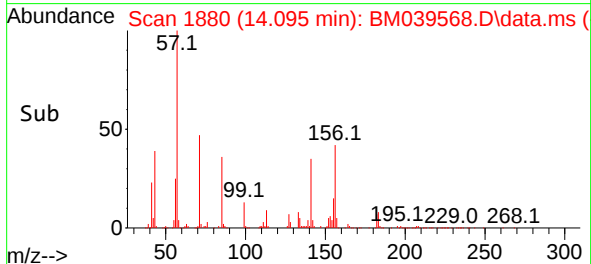
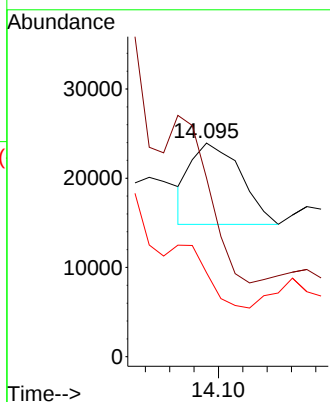
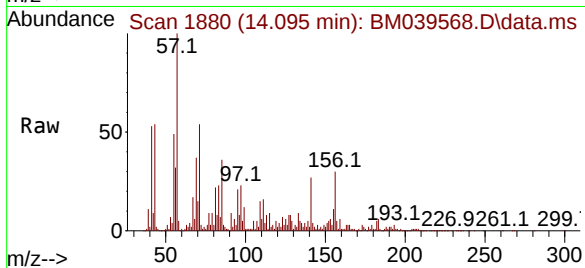




#51
2,6-Dinitrotoluene
Concen: 2.077 ng
RT: 14.095 min Scan# 11
Delta R.T. 0.024 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

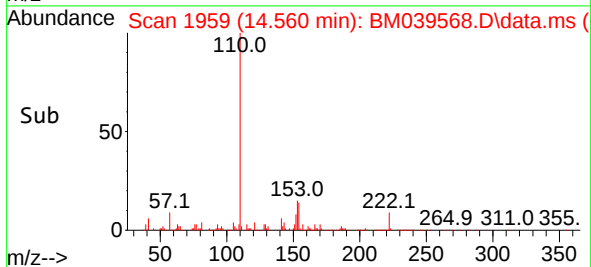
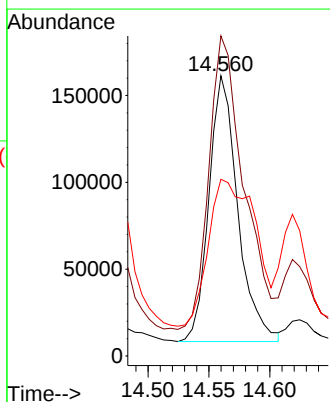
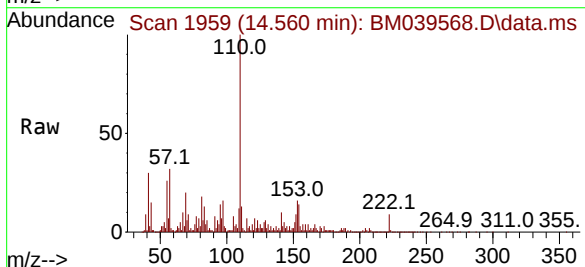
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

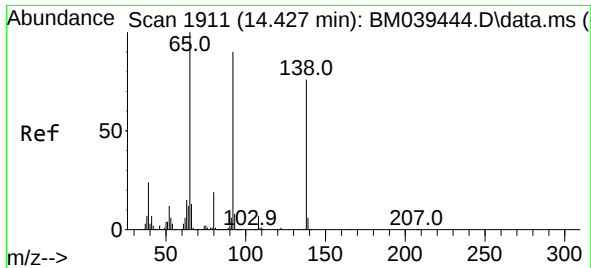
Tgt Ion:165 Resp: 12950
Ion Ratio Lower Upper
165 100
63 83.7 46.6 69.8#
89 39.3 47.4 71.0#



#52
Acenaphthene
Concen: 11.992 ng
RT: 14.560 min Scan# 1959
Delta R.T. 0.018 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:154 Resp: 252053
Ion Ratio Lower Upper
154 100
153 114.2 89.8 134.8
152 63.1 42.7 64.1

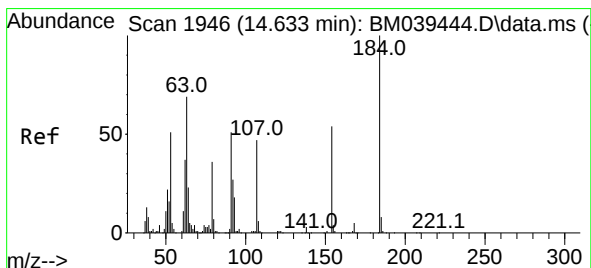
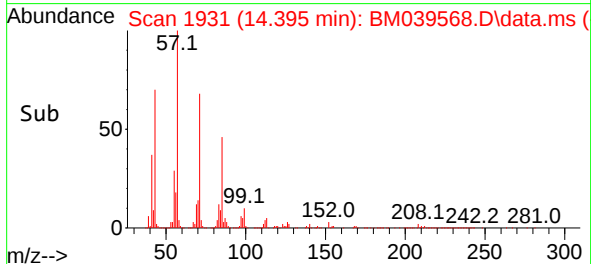
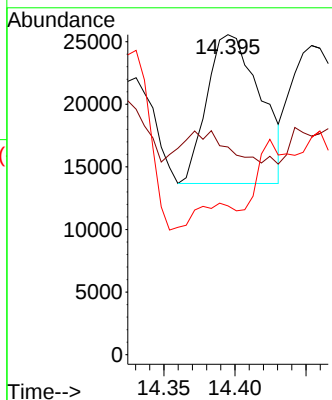
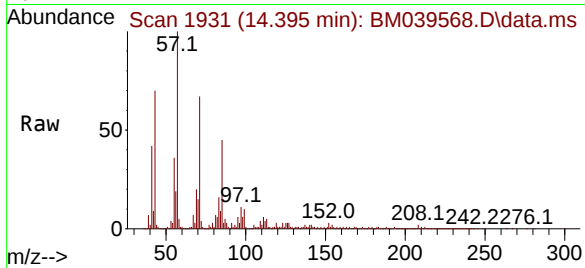




#53
3-Nitroaniline
Concen: 4.874 ng
RT: 14.395 min Scan# 1911
Delta R.T. -0.012 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

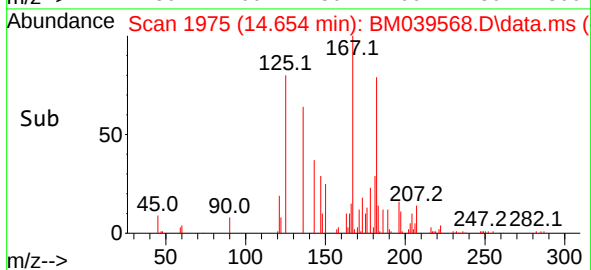
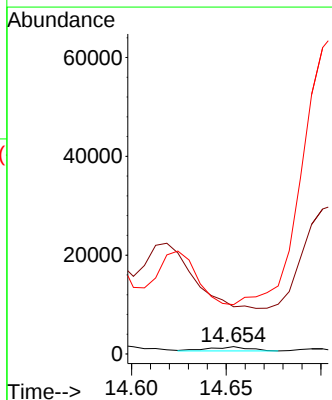
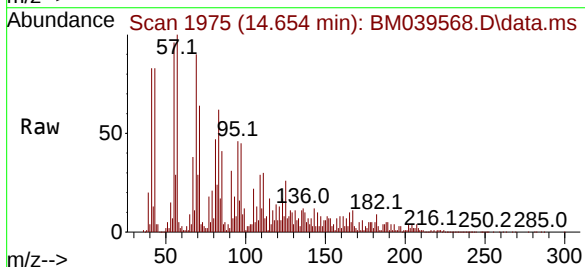
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

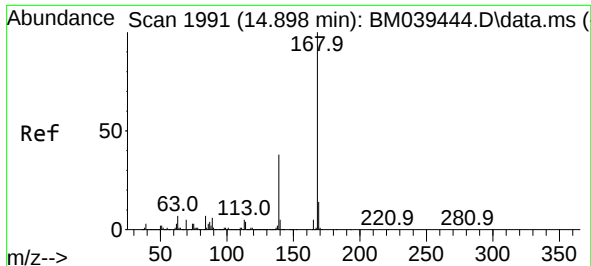
Tgt Ion:138 Resp: 31016
Ion Ratio Lower Upper
138 100
108 64.9 7.8 11.8#
92 46.5 95.4 143.2#



#54
2,4-Dinitrophenol
Concen: 6.014 ng
RT: 14.654 min Scan# 1975
Delta R.T. 0.035 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:184 Resp: 1198
Ion Ratio Lower Upper
184 100
63 637.1 56.4 84.6#
154 666.3 49.1 73.7#

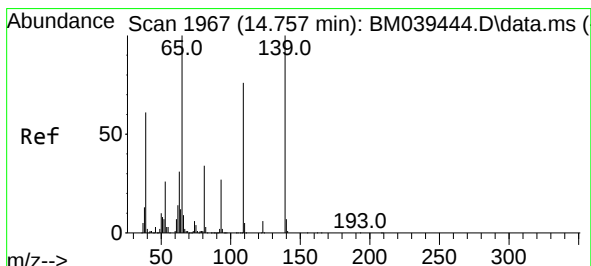
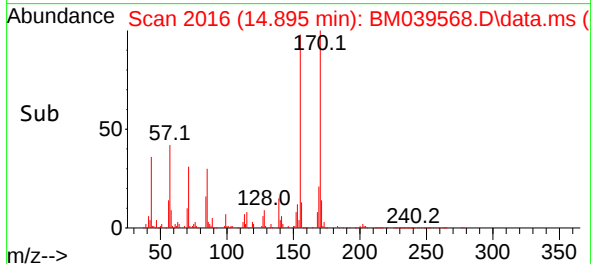
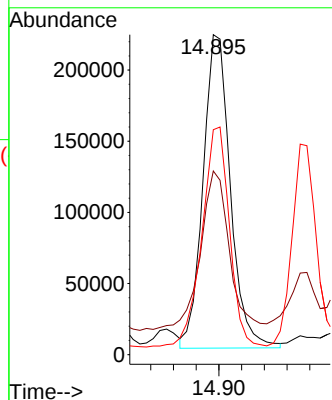
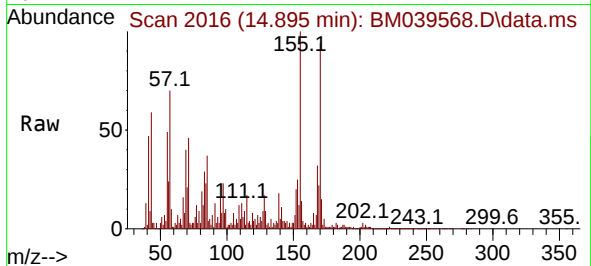




#55
Dibenzofuran
Concen: 10.903 ng
RT: 14.895 min Scan# 20
Delta R.T. 0.018 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

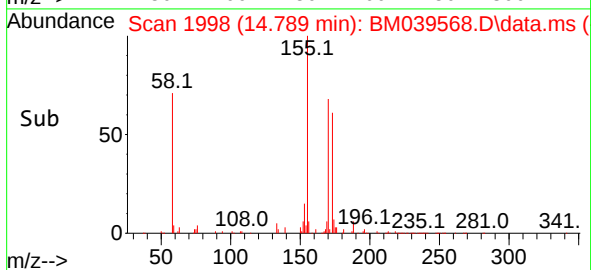
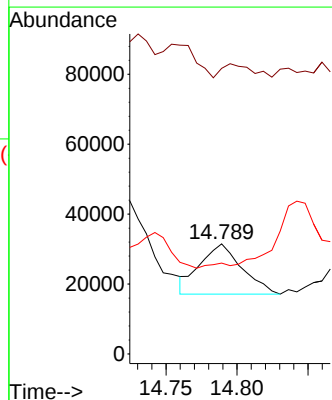
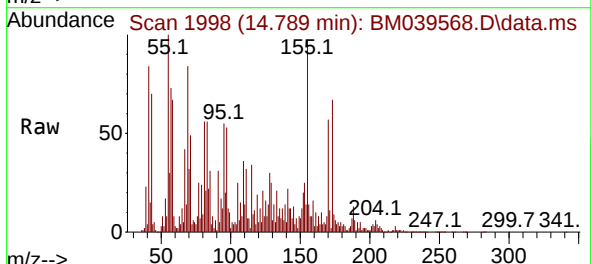
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

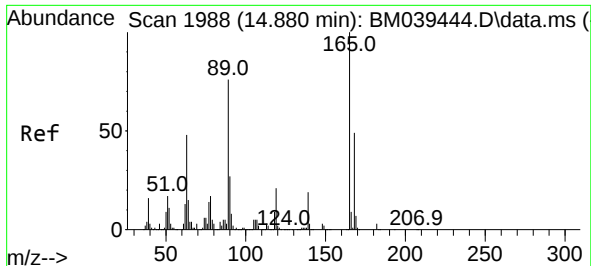
Tgt Ion:168 Resp: 368250
Ion Ratio Lower Upper
168 100
139 57.4 30.8 46.2#
169 70.3 10.8 16.2#



#56
4-Nitrophenol
Concen: 10.725 ng
RT: 14.789 min Scan# 1998
Delta R.T. 0.059 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:139 Resp: 29546
Ion Ratio Lower Upper
139 100
109 259.5 56.5 96.5#
65 82.6 81.3 121.3

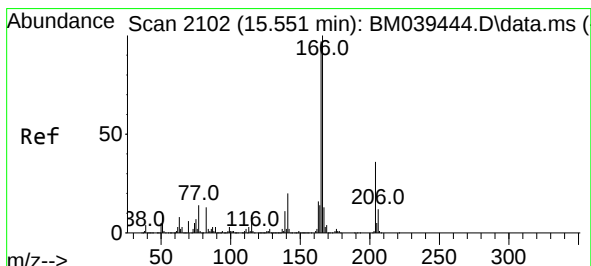
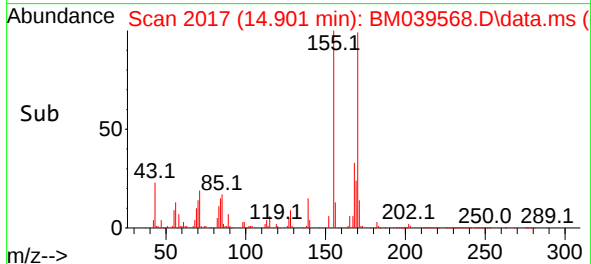
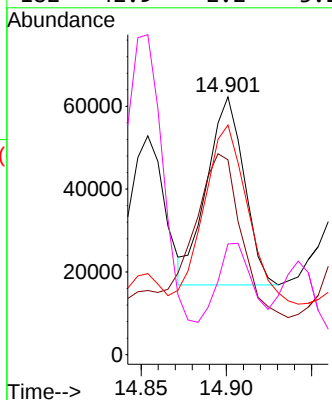
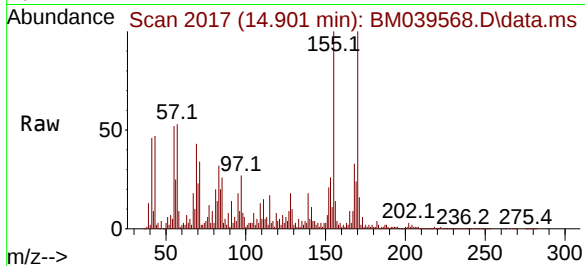




#57
2,4-Dinitrotoluene
Concen: 8.109 ng
RT: 14.901 min Scan# 20
Delta R.T. 0.041 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

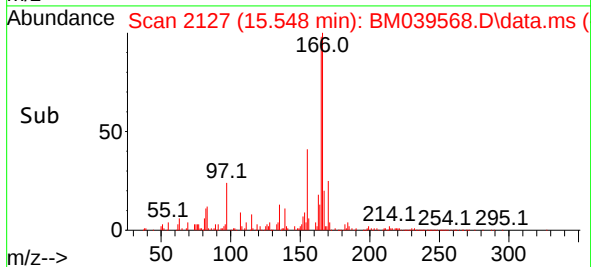
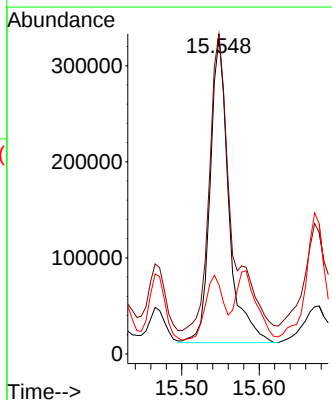
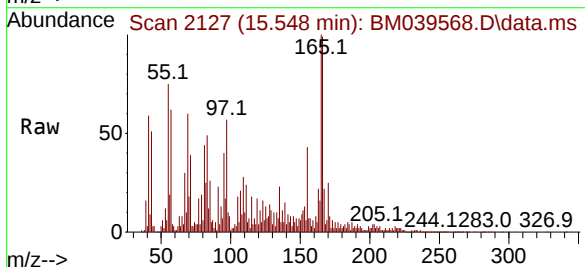
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

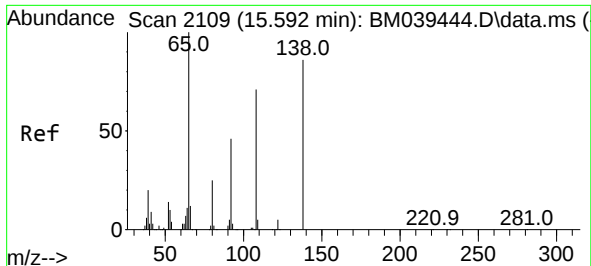
Tgt Ion:165 Resp: 69120
Ion Ratio Lower Upper
165 100
63 75.6 39.0 58.6#
89 89.0 61.0 91.4
182 42.9 2.2 3.2#



#58
Fluorene
Concen: 19.316 ng
RT: 15.548 min Scan# 2127
Delta R.T. 0.018 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:166 Resp: 529125
Ion Ratio Lower Upper
166 100
165 101.1 77.4 116.0
167 21.9 10.6 15.8#

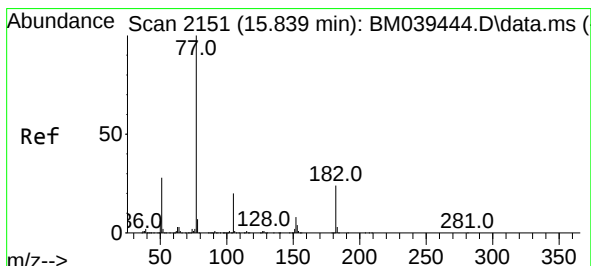
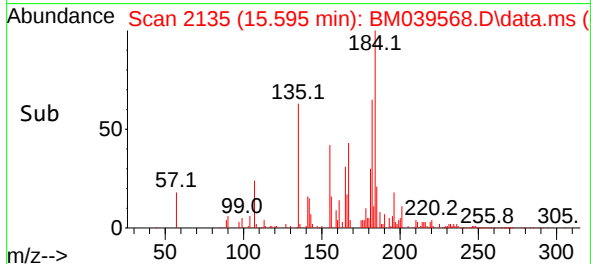
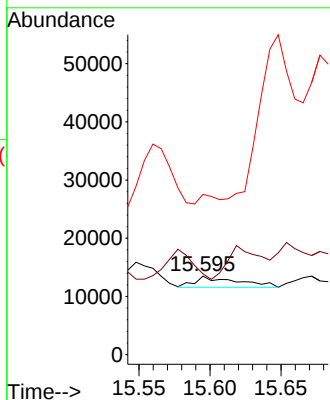
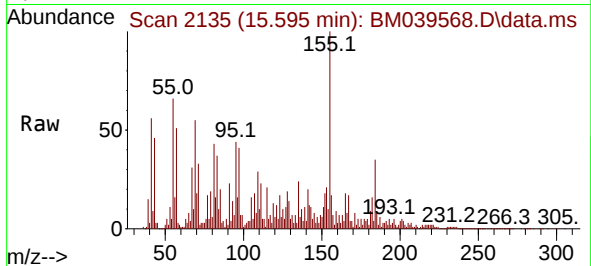




#62
4-Nitroaniline
Concen: 3.398 ng
RT: 15.595 min Scan# 2109
Delta R.T. 0.024 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

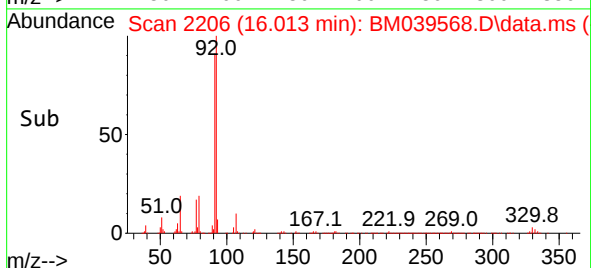
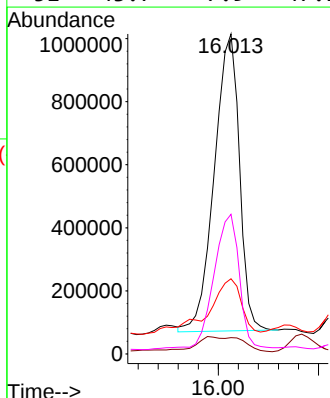
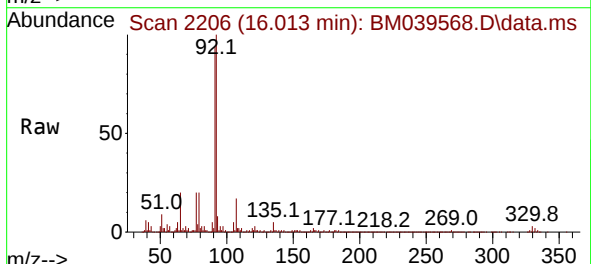
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

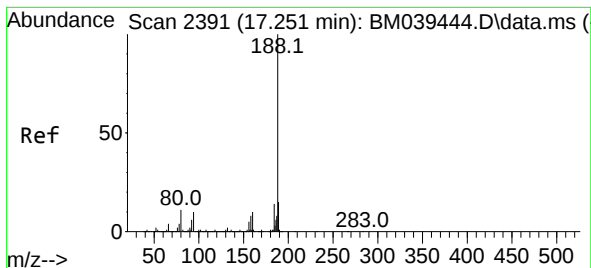
Tgt Ion:138 Resp: 4005
Ion Ratio Lower Upper
138 100
92 102.9 32.6 72.6#
108 204.0 60.6 100.6#



#63
Azobenzene
Concen: 55.119 ng
RT: 16.013 min Scan# 2206
Delta R.T. 0.194 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion: 77 Resp: 1633464
Ion Ratio Lower Upper
77 100
182 5.1 3.7 43.7
105 23.5 0.5 40.5
51 43.7 7.9 47.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.260 min Scan# 2418

Delta R.T. 0.030 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

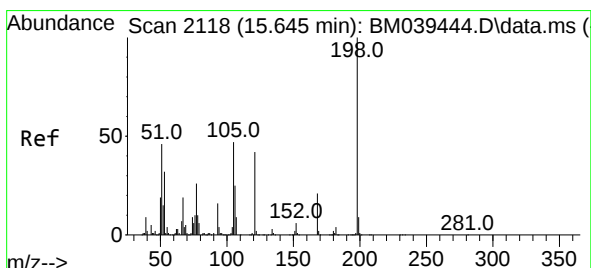
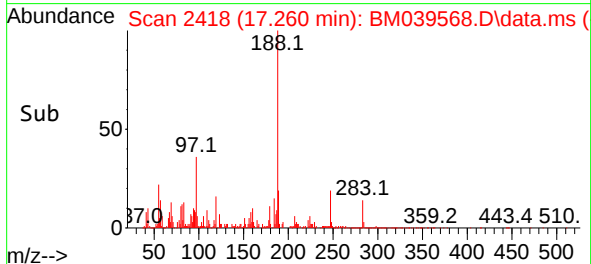
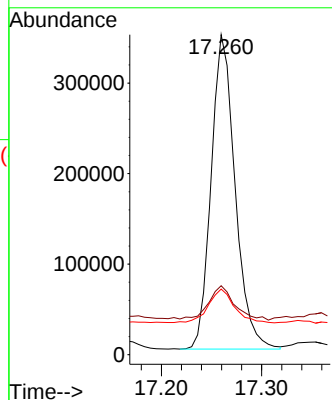
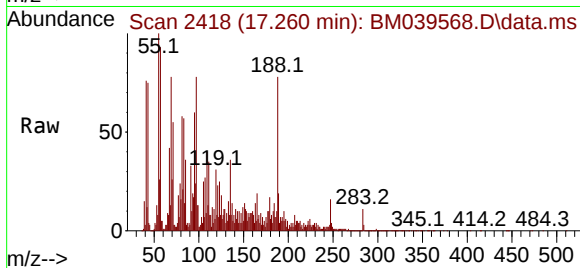
Tgt Ion:188 Resp: 577685

Ion Ratio Lower Upper

188 100

94 21.6 7.9 11.9#

80 20.5 8.9 13.3#



#65

4,6-Dinitro-2-methylphenol

Concen: 3.637 ng

RT: 15.666 min Scan# 2147

Delta R.T. 0.041 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

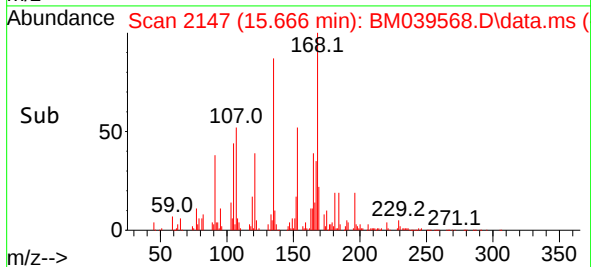
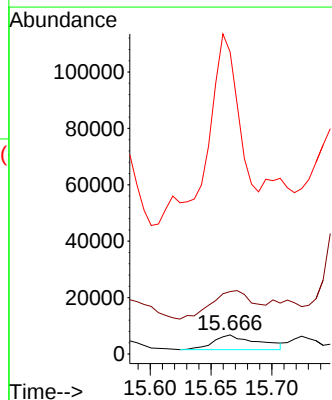
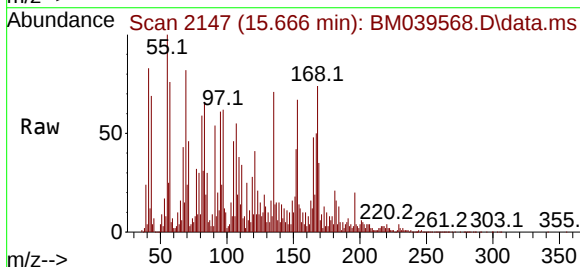
Tgt Ion:198 Resp: 13157

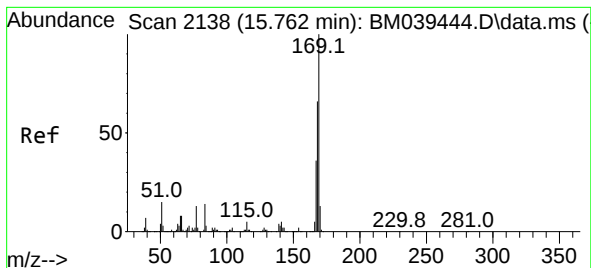
Ion Ratio Lower Upper

198 100

51 326.3 29.3 69.3#

105 1580.2 27.7 67.7#





#66

n-Nitrosodiphenylamine

Concen: 50.178 ng

RT: 15.760 min Scan# 2138

Delta R.T. 0.012 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

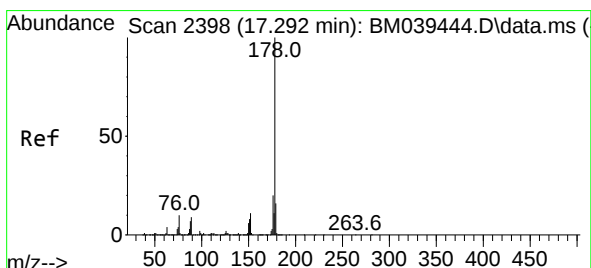
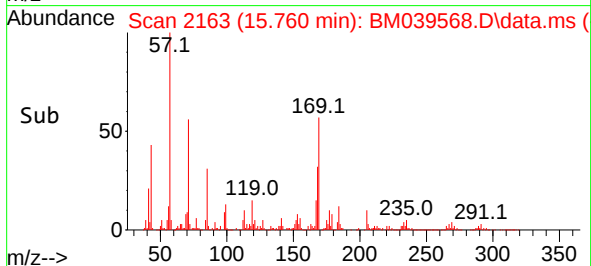
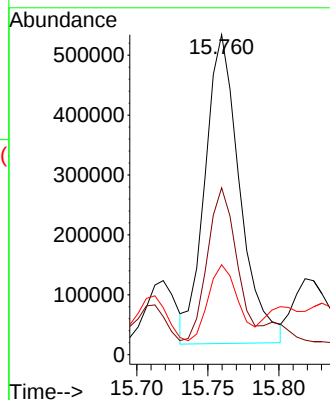
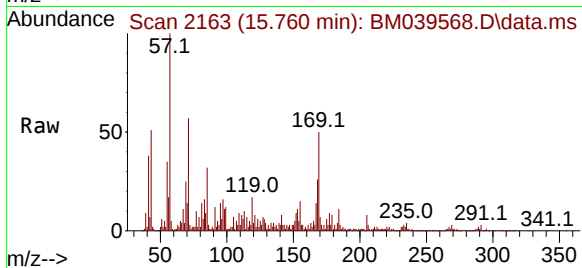
Tgt Ion:169 Resp: 878833

Ion Ratio Lower Upper

169 100

168 52.2 52.6 79.0#

167 28.1 29.0 43.4#



#71

Phenanthrene

Concen: 73.186 ng

RT: 17.307 min Scan# 2426

Delta R.T. 0.030 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

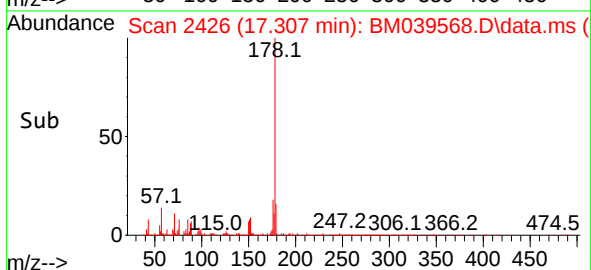
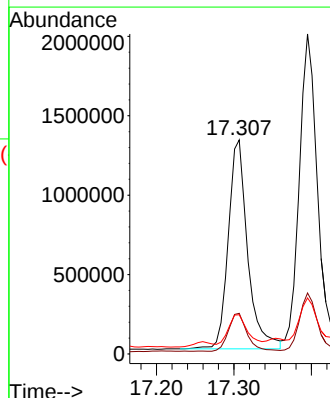
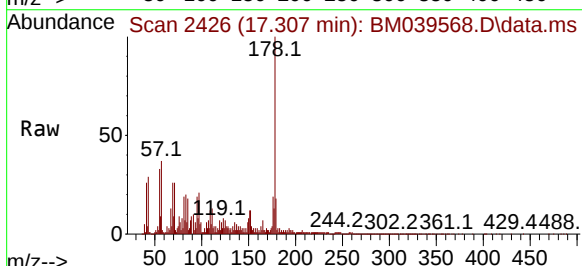
Tgt Ion:178 Resp: 2292605

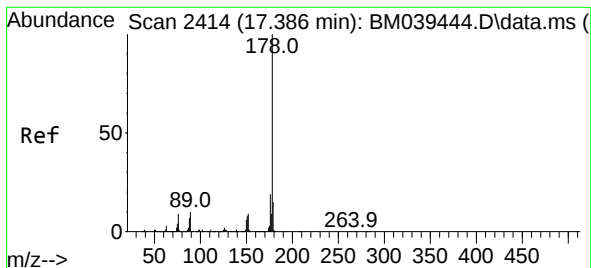
Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

179 18.3 12.5 18.7





#72

Anthracene

Concen: 94.752 ng

RT: 17.395 min Scan# 2414

Delta R.T. 0.030 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

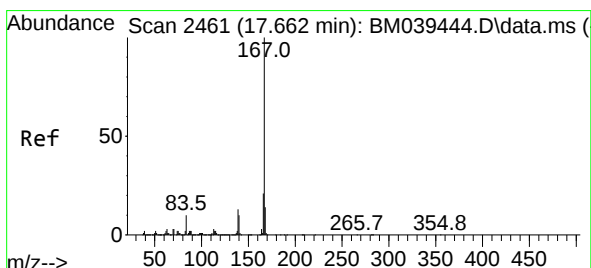
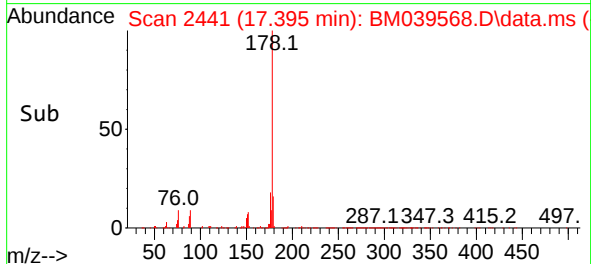
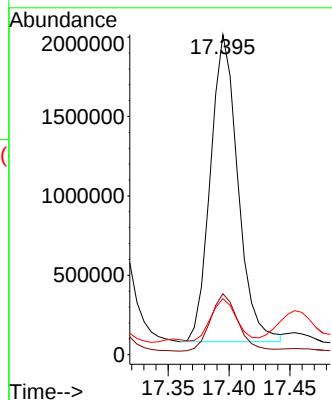
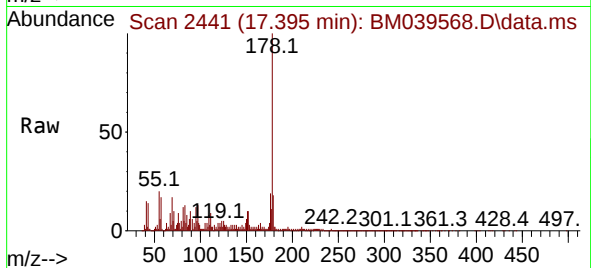
Tgt Ion:178 Resp: 3044689

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

179 17.5 12.2 18.4



#73

Carbazole

Concen: 2.675 ng

RT: 17.671 min Scan# 2488

Delta R.T. 0.030 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

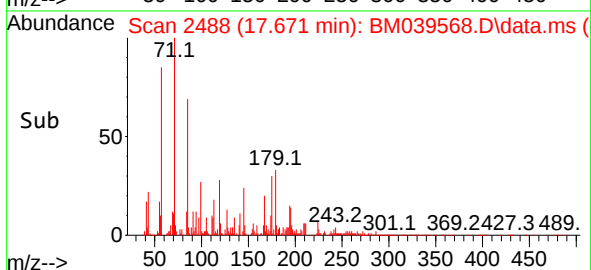
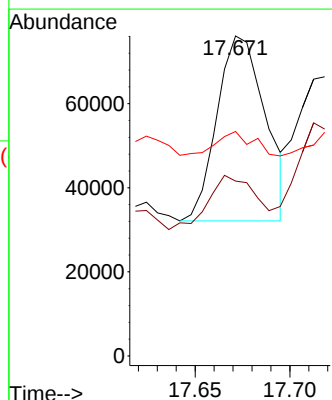
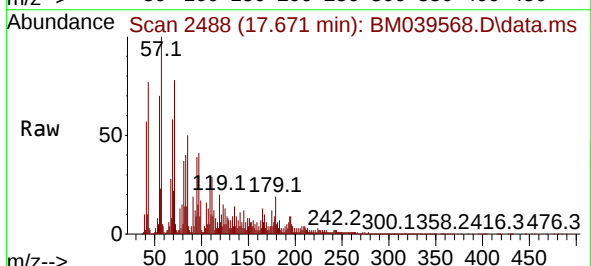
Tgt Ion:167 Resp: 78186

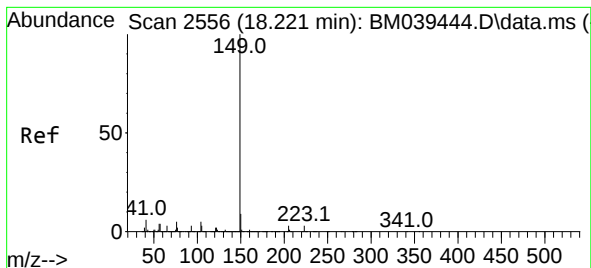
Ion Ratio Lower Upper

167 100

166 54.7 17.0 25.6#

139 70.2 10.6 16.0#





#74

Di-n-butylphthalate

Concen: 17.983 ng

RT: 18.230 min Scan# 2

Delta R.T. 0.030 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

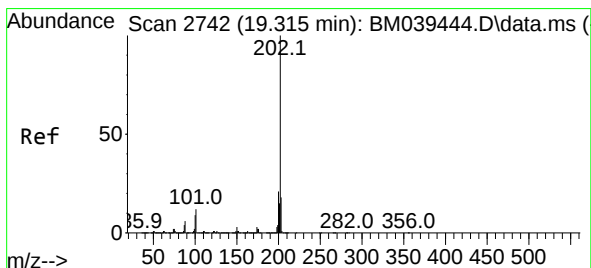
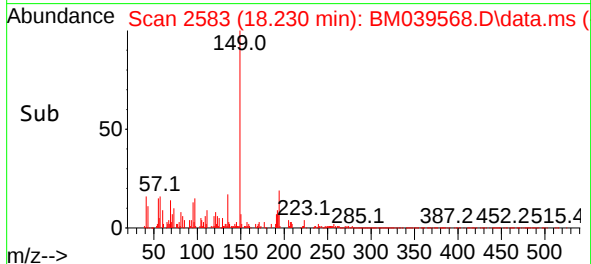
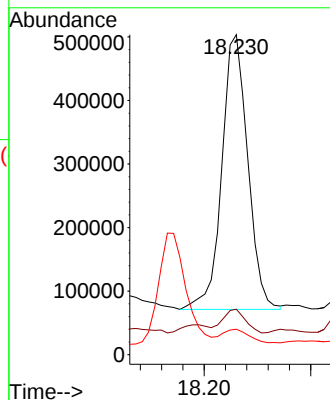
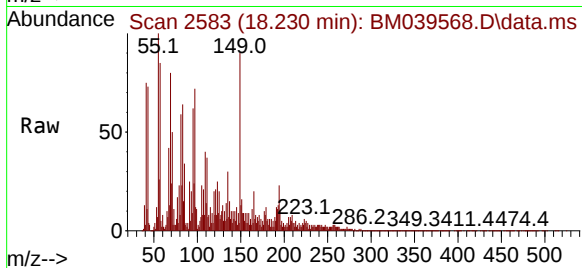
Tgt Ion:149 Resp: 730561

Ion Ratio Lower Upper

149 100

150 14.2 7.4 11.2#

104 7.9 4.1 6.1#



#75

Fluoranthene

Concen: 26.339 ng

RT: 19.330 min Scan# 2770

Delta R.T. 0.035 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

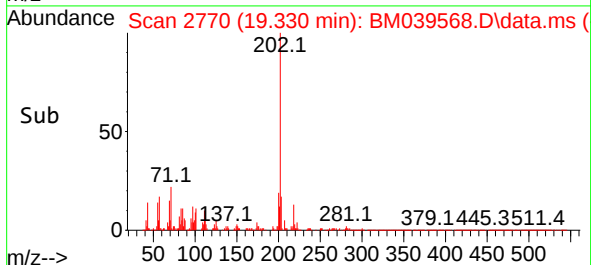
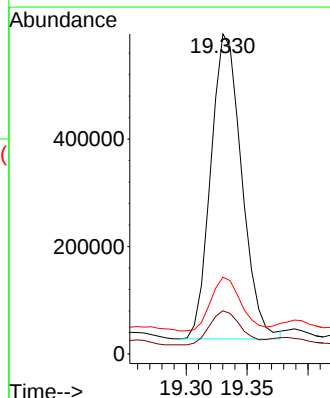
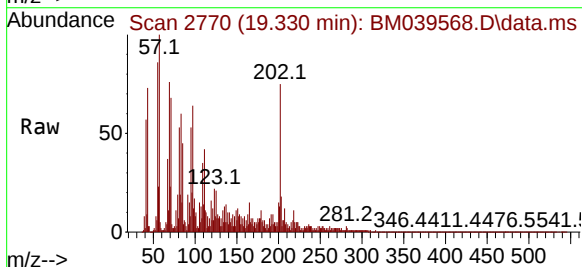
Tgt Ion:202 Resp: 1001018

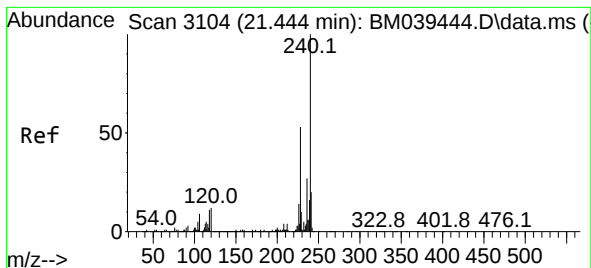
Ion Ratio Lower Upper

202 100

101 13.5 0.0 32.1

203 24.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.465 min Scan# 31

Delta R.T. 0.041 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

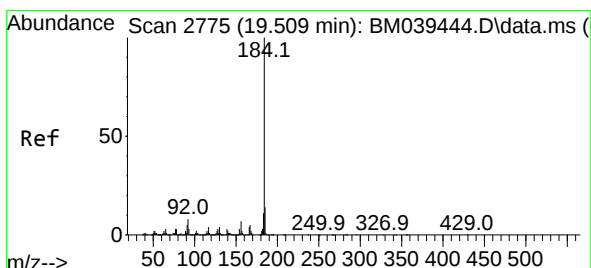
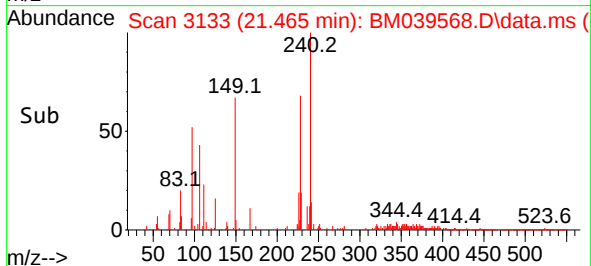
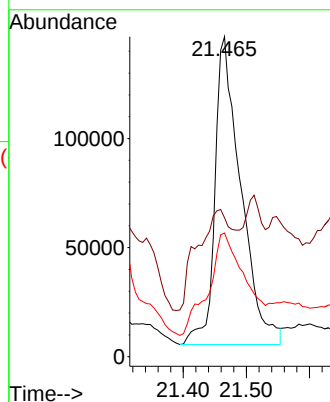
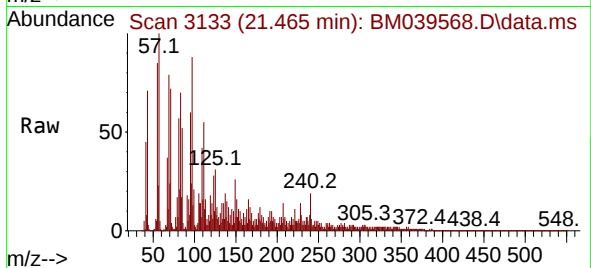
Tgt Ion:240 Resp: 402657

Ion Ratio Lower Upper

240 100

120 43.4 9.4 14.2#

236 38.7 21.2 31.8#



#77

Benzidine

Concen: 2.018 ng

RT: 19.530 min Scan# 2804

Delta R.T. 0.041 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

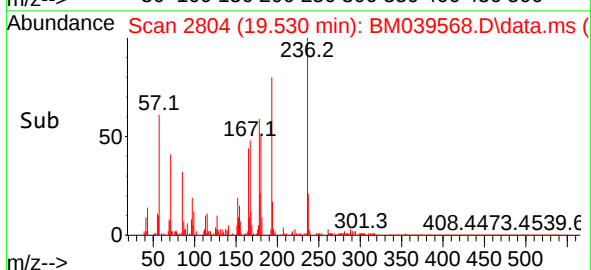
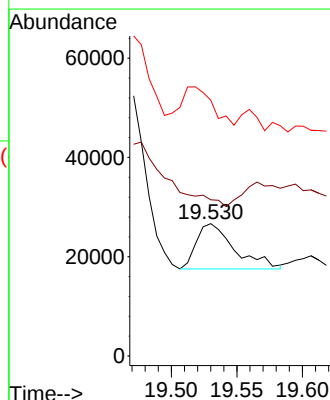
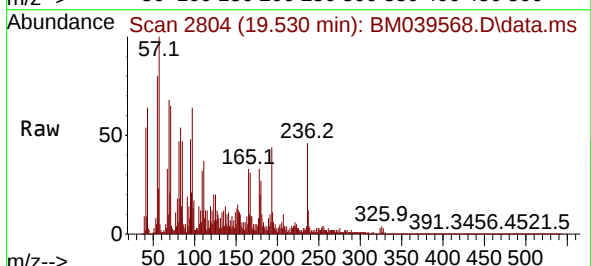
Tgt Ion:184 Resp: 18411

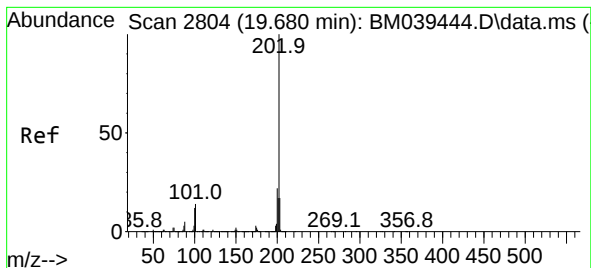
Ion Ratio Lower Upper

184 100

185 118.0 11.0 16.4#

183 193.4 8.8 13.2#





#78

Pyrene

Concen: 35.907 ng

RT: 19.695 min Scan# 2

Delta R.T. 0.035 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

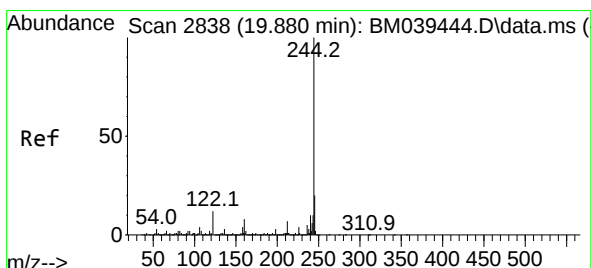
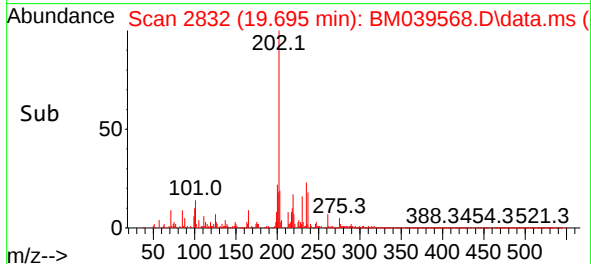
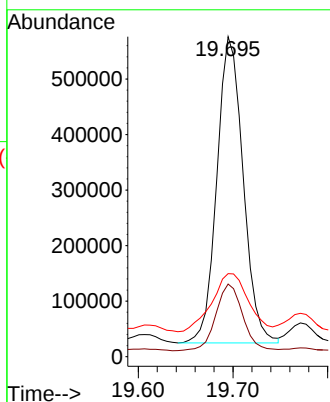
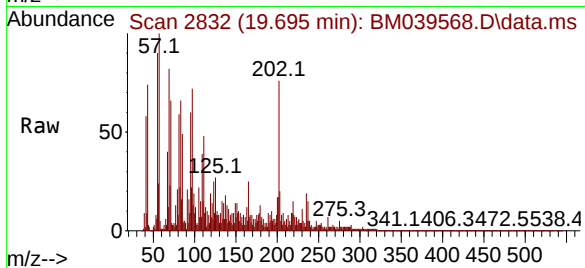
Tgt Ion:202 Resp: 1063278

Ion Ratio Lower Upper

202 100

200 22.7 17.2 25.8

203 26.0 13.9 20.9#



#79

Terphenyl-d14

Concen: 57.884 ng

RT: 19.895 min Scan# 2866

Delta R.T. 0.030 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

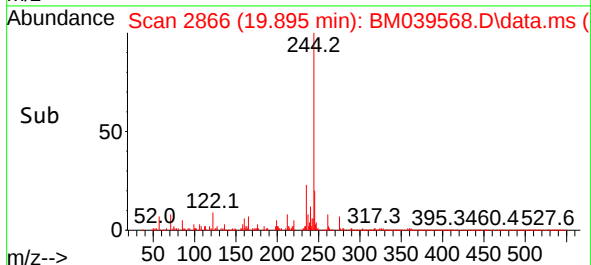
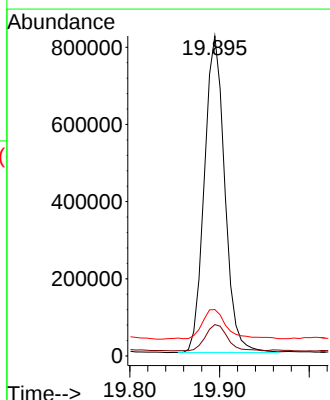
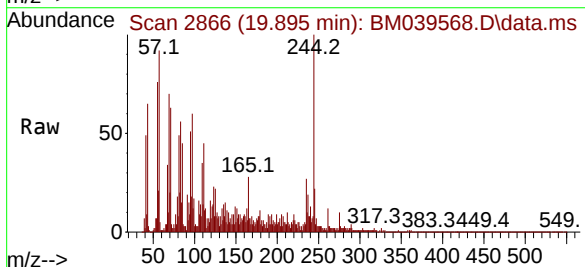
Tgt Ion:244 Resp: 1291967

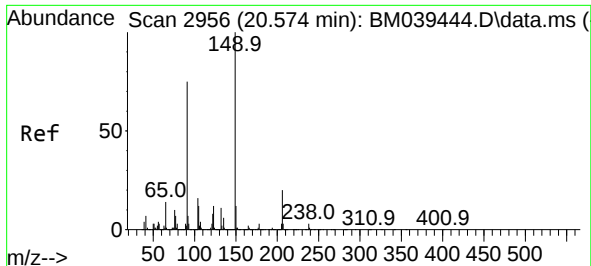
Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

122 14.5 9.5 14.3#

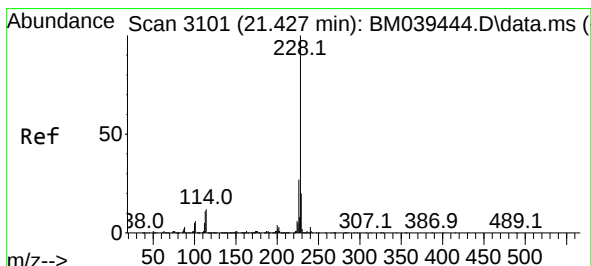
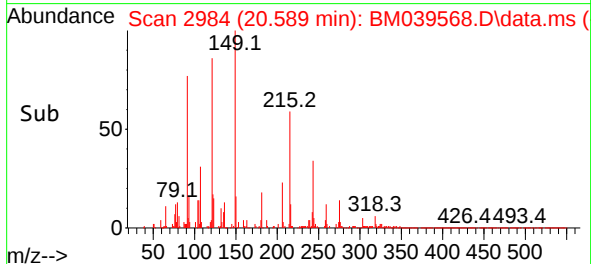
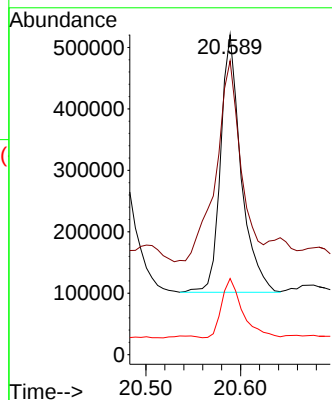
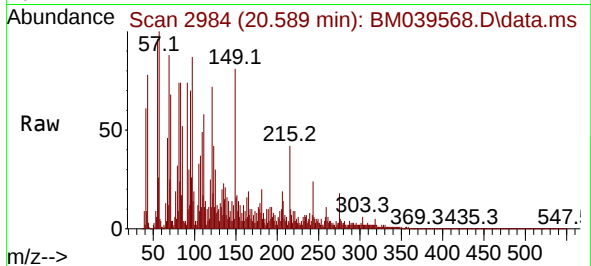




#80
Butylbenzylphthalate
Concen: 42.935 ng
RT: 20.589 min Scan# 21
Delta R.T. 0.029 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

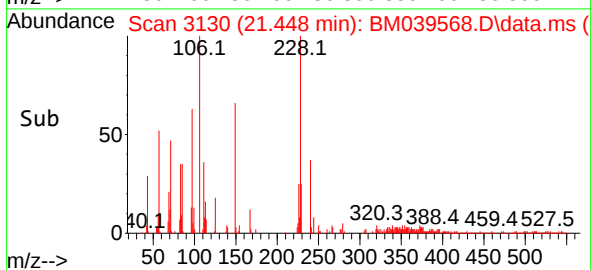
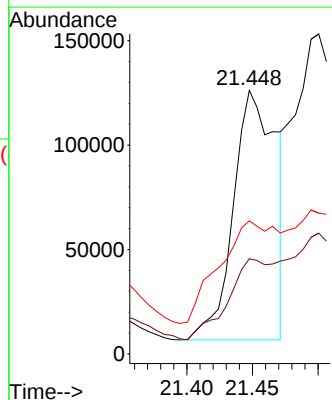
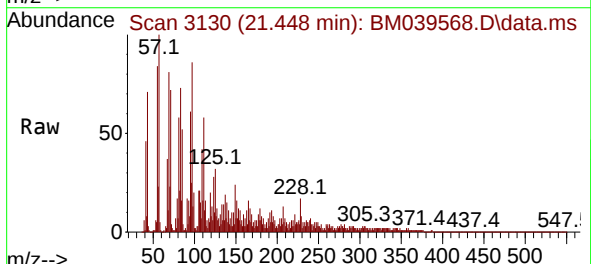
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

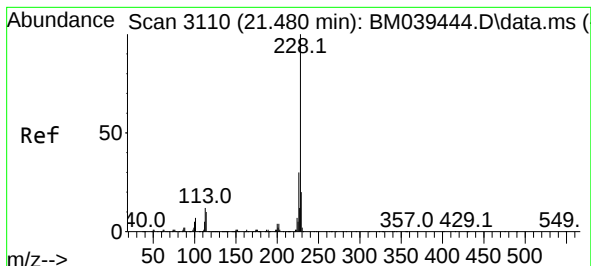
Tgt Ion:149 Resp: 630454
Ion Ratio Lower Upper
149 100
91 91.8 59.9 89.9#
206 23.8 15.8 23.8#



#81
Benzo(a)anthracene
Concen: 9.453 ng
RT: 21.448 min Scan# 3130
Delta R.T. 0.035 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:228 Resp: 270307
Ion Ratio Lower Upper
228 100
226 36.1 21.8 32.8#
229 50.5 15.9 23.9#





#83

Chrysene

Concen: 13.807 ng

RT: 21.501 min Scan# 3119

Delta R.T. 0.035 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

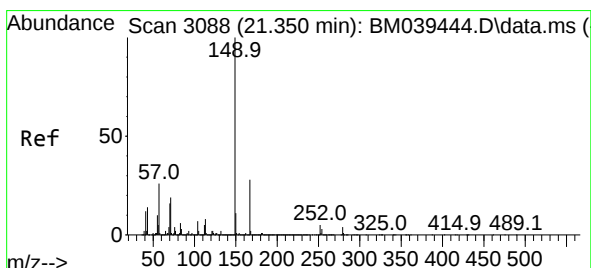
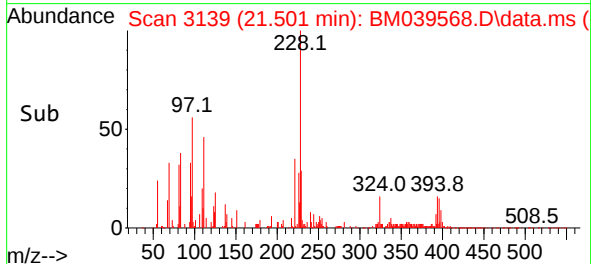
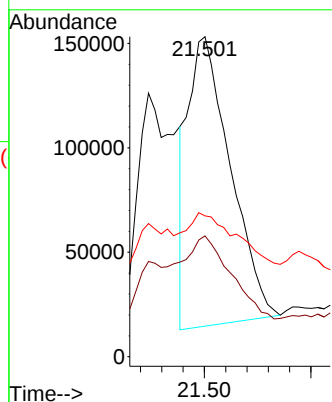
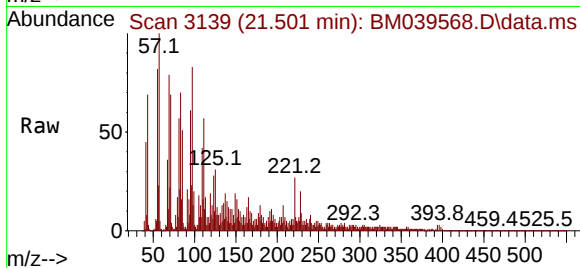
Tgt Ion:228 Resp: 382672

Ion Ratio Lower Upper

228 100

226 37.7 24.0 36.0#

229 44.0 16.0 24.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 659.737 ng

RT: 21.395 min Scan# 3121

Delta R.T. 0.065 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

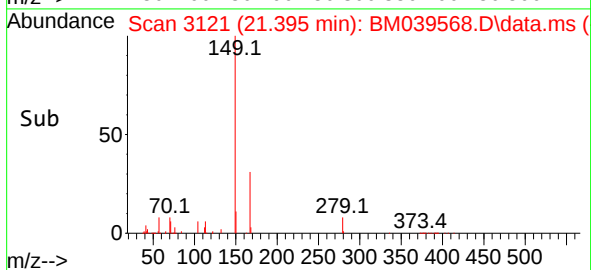
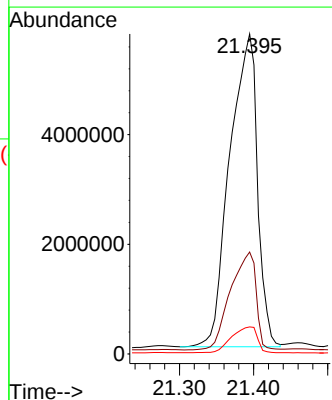
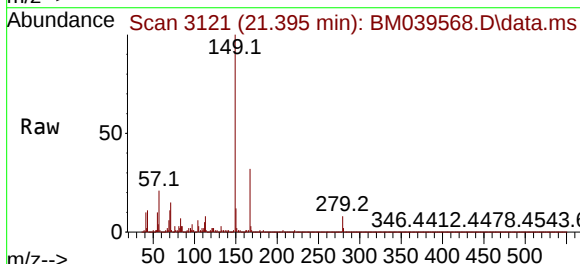
Tgt Ion:149 Resp:14767147

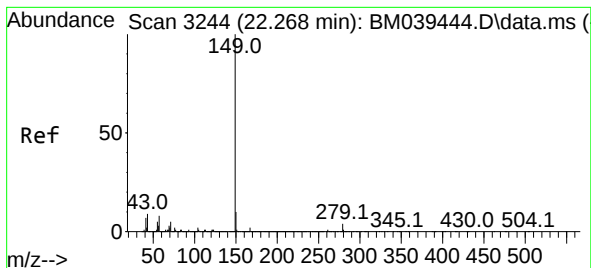
Ion Ratio Lower Upper

149 100

167 31.9 22.3 33.5

279 8.4 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 87.049 ng

RT: 22.289 min Scan# 31

Delta R.T. 0.041 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

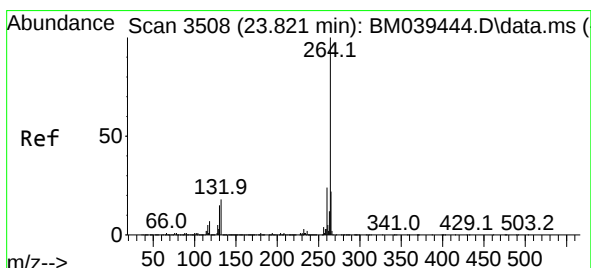
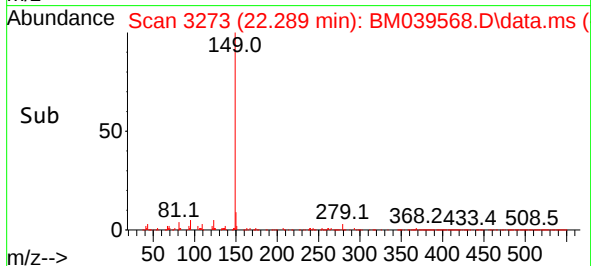
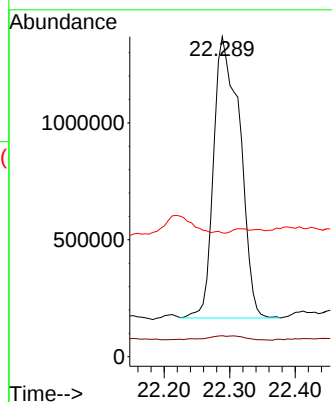
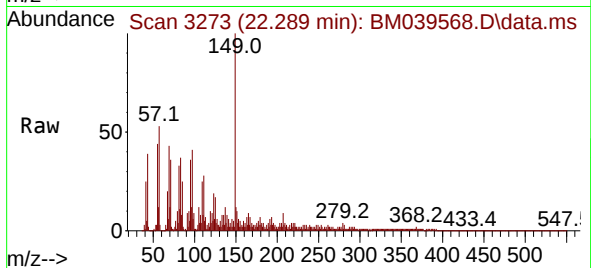
Tgt Ion:149 Resp: 3350586

Ion Ratio Lower Upper

149 100

167 2.4 1.2 1.8#

43 0.0 7.1 10.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.871 min Scan# 3542

Delta R.T. 0.082 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

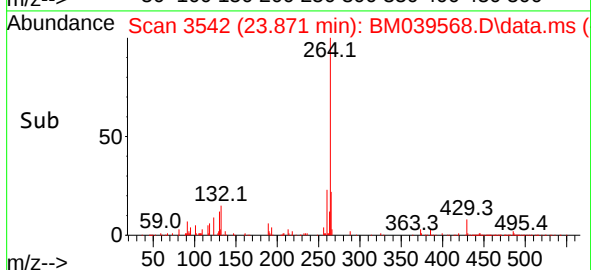
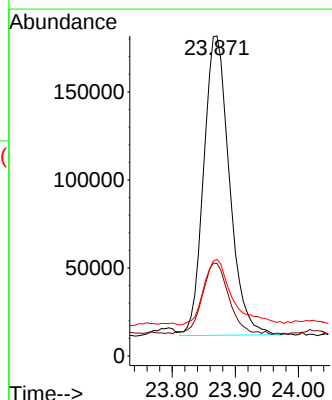
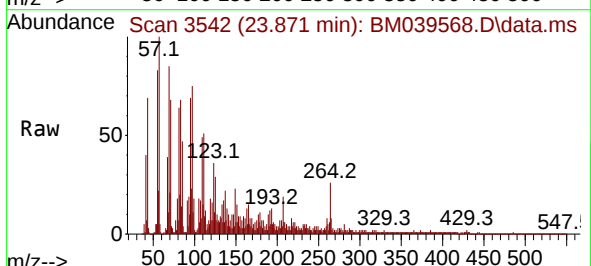
Tgt Ion:264 Resp: 481362

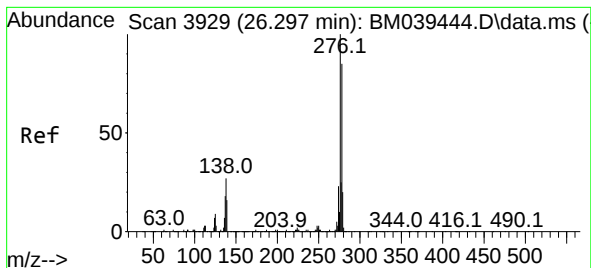
Ion Ratio Lower Upper

264 100

260 28.9 19.0 28.6#

265 30.2 18.0 27.0#





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.248 ng

RT: 26.359 min Scan# 3418

Delta R.T. 0.124 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

Instrument :

BNA_M

ClientSampleId :

SPA-4WC-23-04

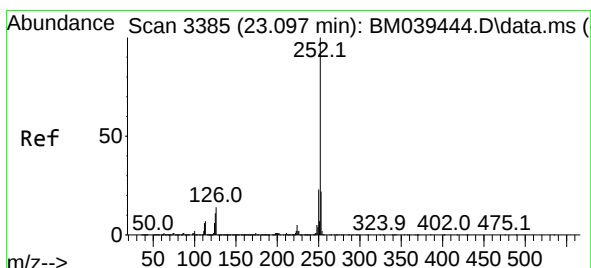
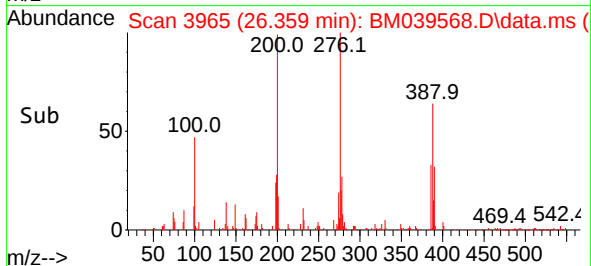
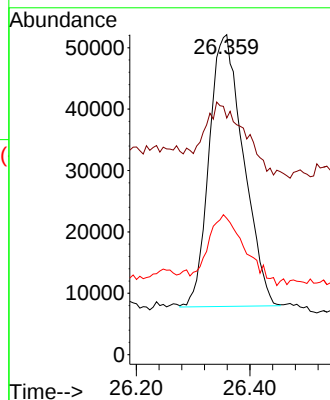
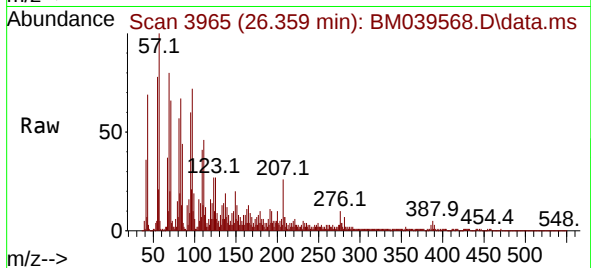
Tgt Ion:276 Resp: 185639

Ion Ratio Lower Upper

276 100

138 30.2 21.4 32.0

277 28.2 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 17.181 ng

RT: 23.142 min Scan# 3418

Delta R.T. 0.071 min

Lab File: BM039568.D

Acq: 22 Apr 2023 01:18

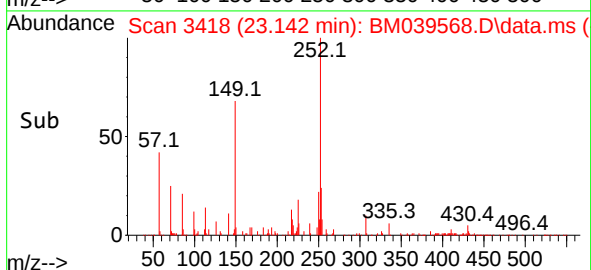
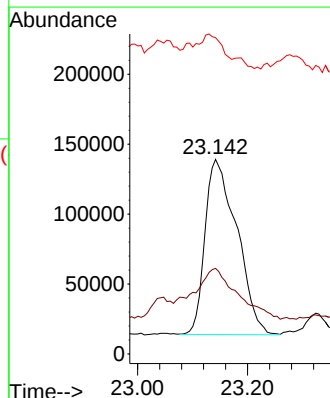
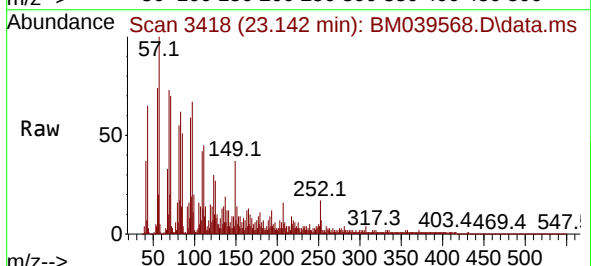
Tgt Ion:252 Resp: 504239

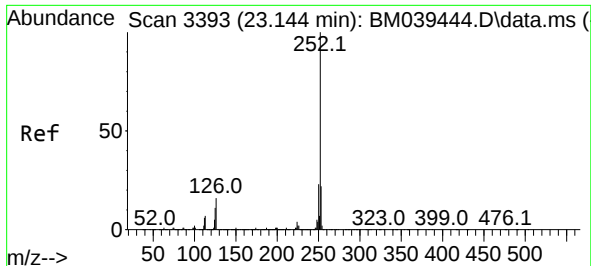
Ion Ratio Lower Upper

252 100

253 44.0 17.8 26.6#

125 162.5 8.9 13.3#

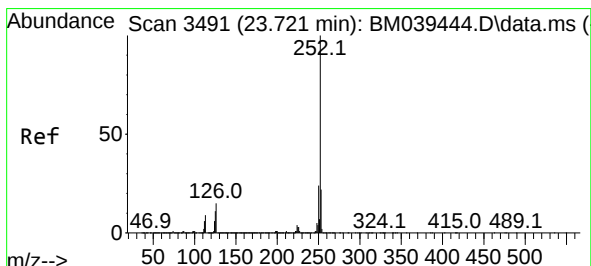
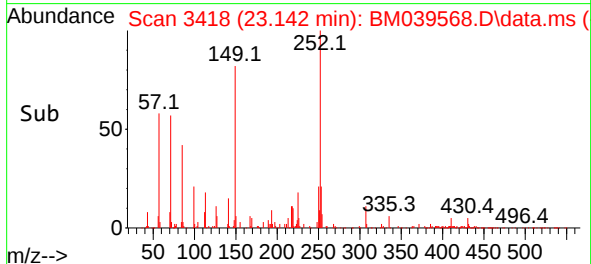
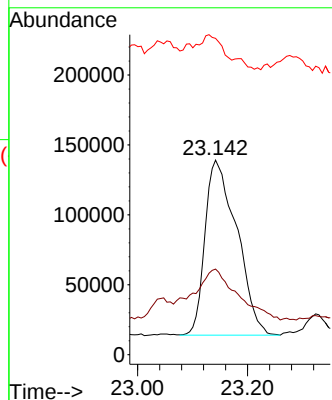
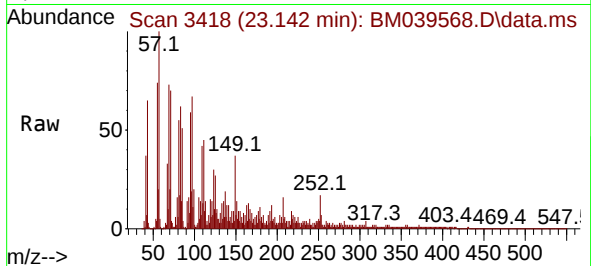




#89
Benzo(k)fluoranthene
Concen: 16.388 ng
RT: 23.142 min Scan# 34
Delta R.T. 0.024 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

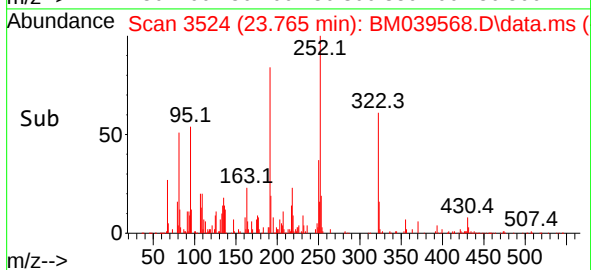
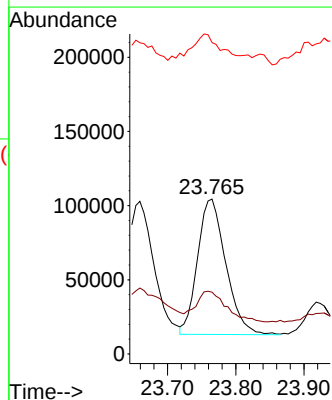
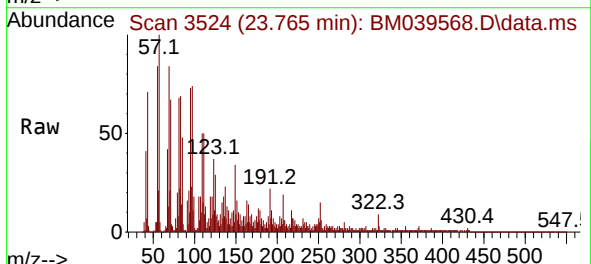
Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

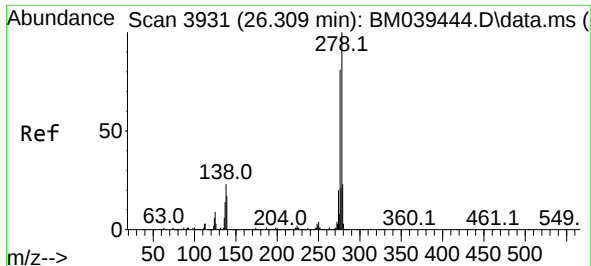
Tgt Ion:252 Resp: 502844
Ion Ratio Lower Upper
252 100
253 44.0 17.5 26.3#
125 162.5 8.8 13.2#



#90
Benzo(a)pyrene
Concen: 9.013 ng
RT: 23.765 min Scan# 3524
Delta R.T. 0.082 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:252 Resp: 262902
Ion Ratio Lower Upper
252 100
253 39.9 17.7 26.5#
125 200.9 9.0 13.6#

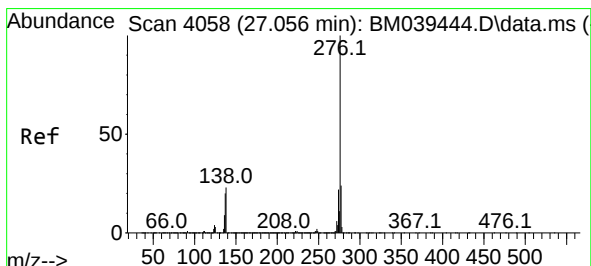
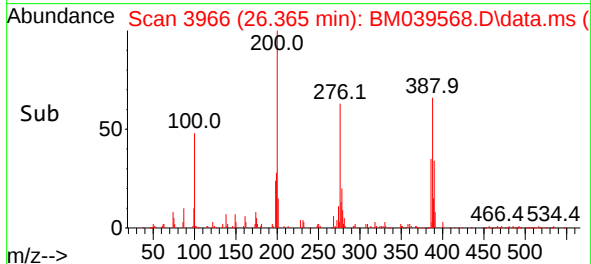
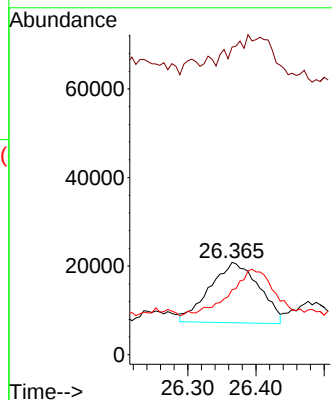
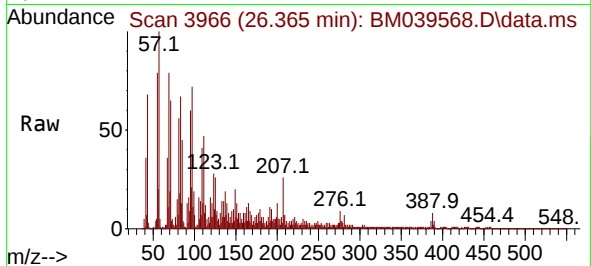




#91
Dibenzo(a,h)anthracene
Concen: 2.330 ng
RT: 26.365 min Scan# 3931
Delta R.T. 0.118 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Instrument :
BNA_M
ClientSampleId :
SPA-4WC-23-04

Tgt Ion:278 Resp: 68495
Ion Ratio Lower Upper
278 100
139 333.3 13.7 20.5#
279 70.4 18.8 28.2#



#92
Benzo(g,h,i)perylene
Concen: 7.972 ng
RT: 27.124 min Scan# 4095
Delta R.T. 0.135 min
Lab File: BM039568.D
Acq: 22 Apr 2023 01:18

Tgt Ion:276 Resp: 232308
Ion Ratio Lower Upper
276 100
277 36.2 19.1 28.7#
138 58.9 18.8 28.2#

