

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033123\
 Data File : BM039252.D
 Acq On : 31 Mar 2023 14:21
 Operator : CG/JU
 Sample : 02084-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-6A

Quant Time: Mar 31 16:53:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 30 05:15:45 2023
 Response via : Initial Calibration

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

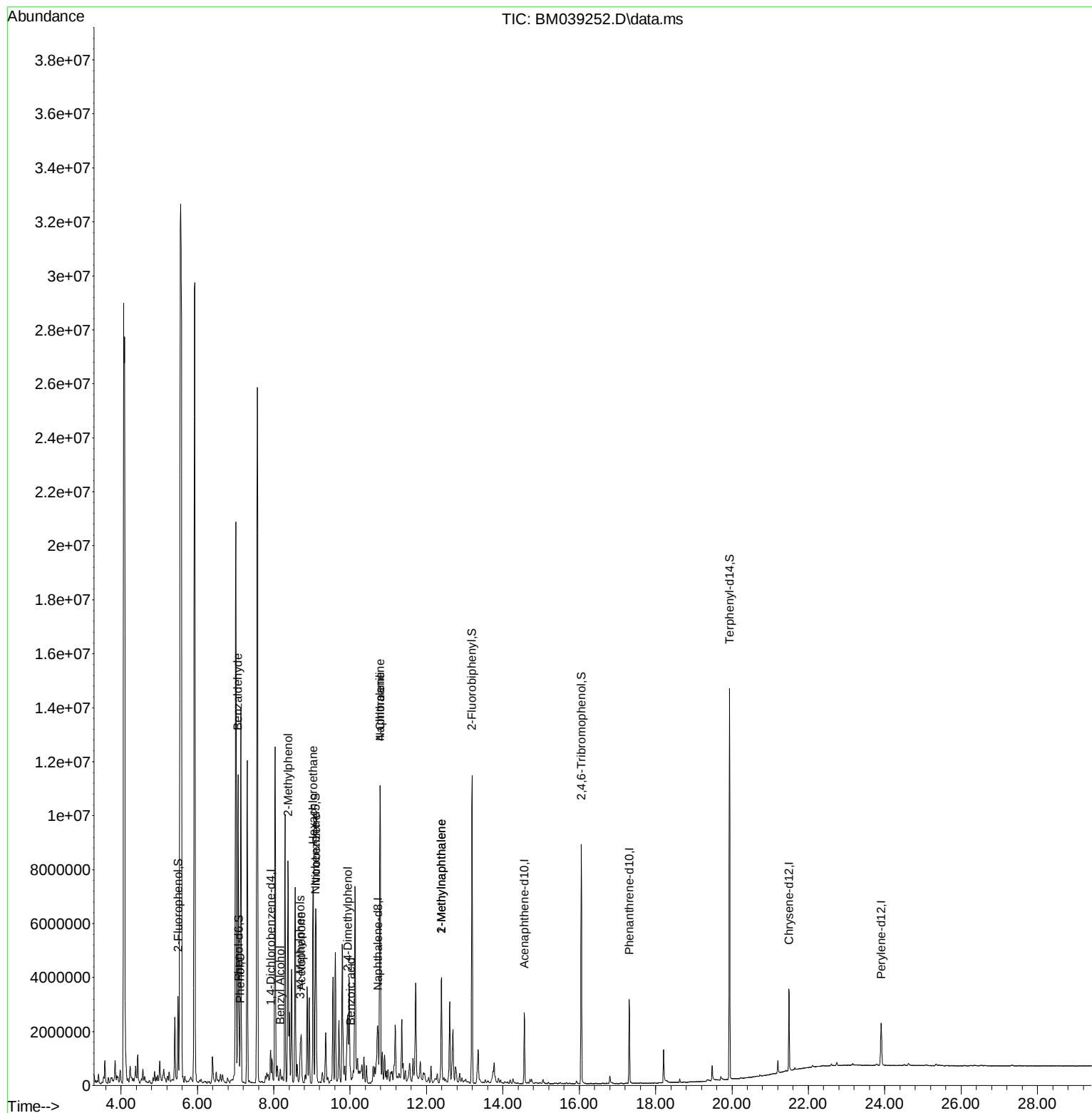
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	328586	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	1418879	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	842801	20.000	ng	-0.01
64) Phenanthrene-d10	17.309	188	1744841	20.000	ng	-0.01
76) Chrysene-d12	21.492	240	1371502	20.000	ng	-0.01
86) Perylene-d12	23.909	264	1191981	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1251134	57.366	ng	0.00
7) Phenol-d6	7.087	99	1038764	36.824	ng	-0.01
23) Nitrobenzene-d5	9.092	82	2690969	92.177	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1588092	148.440	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	5715642	91.886	ng	0.00
79) Terphenyl-d14	19.939	244	7042334	94.868	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.063	77	787540	49.023	ng	# 1
10) Phenol	7.116	94	101405	3.587	ng	# 74
15) Benzyl Alcohol	8.169	79	195264	10.064	ng	99
17) 2-Methylphenol	8.375	107	2486348	125.710	ng	99
18) Hexachloroethane	9.034	117	909666	98.242	ng	# 1
20) 3+4-Methylphenols	8.698	107	651344	24.508	ng	98
22) Acetophenone	8.722	105	1131472	29.825	ng	# 58
24) Nitrobenzene	9.110	77	140519	4.839	ng	# 1
27) 2,4-Dimethylphenol	9.939	122	705176	31.619	ng	# 93
31) Naphthalene	10.786	128	8260080	108.039	ng	98
32) Benzoic acid	10.010	122	50550	2.908	ng	# 70
33) 4-Chloroaniline	10.786	127	1100523	32.856	ng	# 31
37) 2-Methylnaphthalene	12.392	142	1661463	31.217	ng	99
38) 1-Methylnaphthalene	12.392	142	1661463	33.339	ng	97

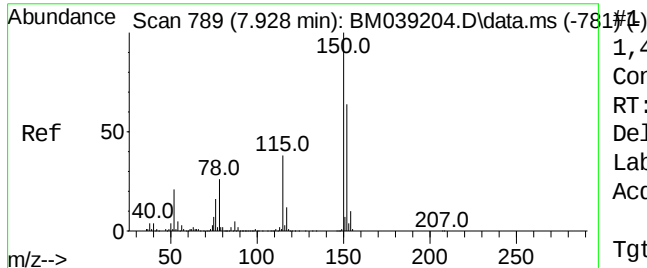
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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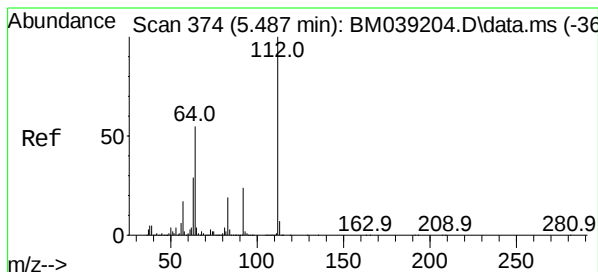
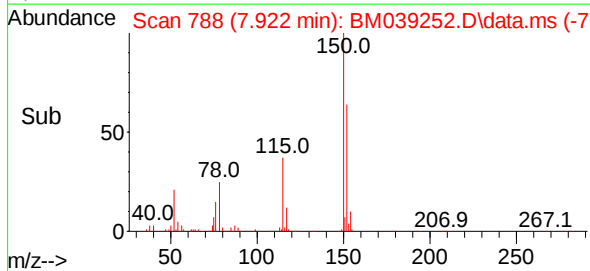
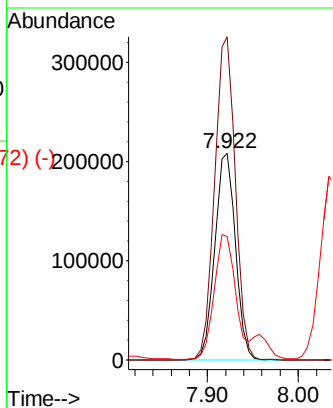
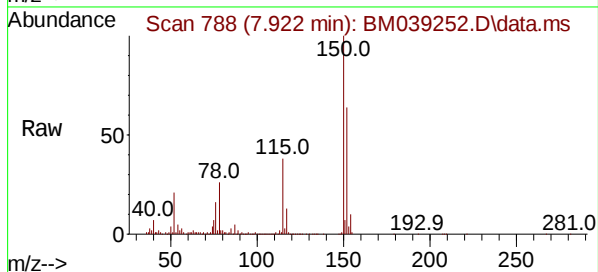




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.922 min Scan#
 Delta R.T. -0.006 min
 Lab File: BM039252.D
 Acq: 31 Mar 2023 14:21

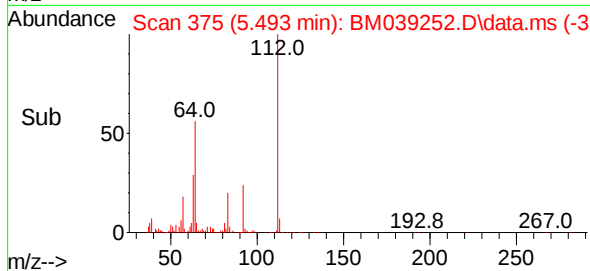
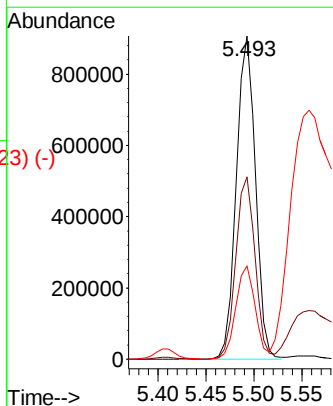
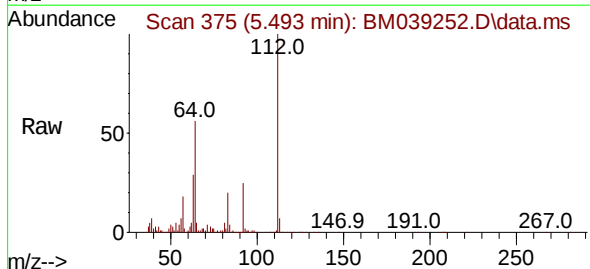
Instrument :
 BNA_M
 ClientSampleId :
 MW-6A

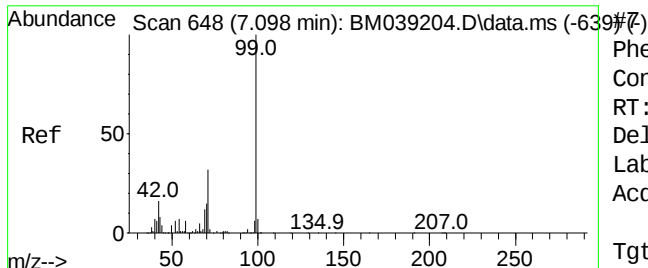
Tgt Ion:152 Resp: 328586
 Ion Ratio Lower Upper
 152 100
 150 156.3 125.5 188.3
 115 59.7 48.1 72.1



2-Fluorophenol
 Concen: 57.366 ng
 RT: 5.493 min Scan# 375
 Delta R.T. 0.006 min
 Lab File: BM039252.D
 Acq: 31 Mar 2023 14:21

Tgt Ion:112 Resp: 1251134
 Ion Ratio Lower Upper
 112 100
 64 56.4 44.3 66.5
 63 28.9 23.0 34.6

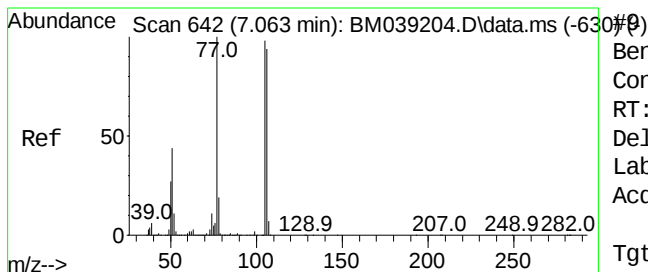
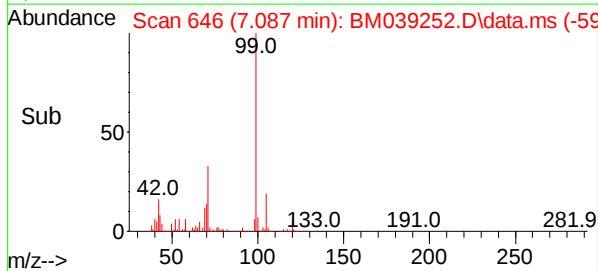
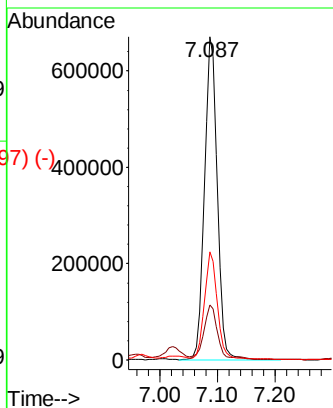
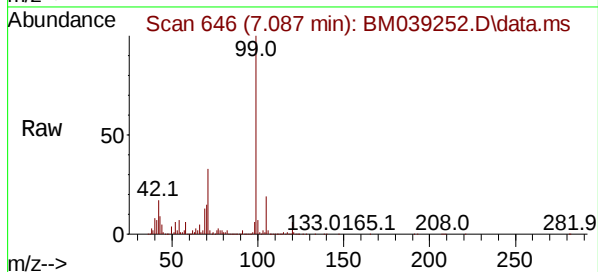




Phenol-d6
 Concen: 36.824 ng
 RT: 7.087 min Scan# 646
 Delta R.T. -0.012 min
 Lab File: BM039252.D
 Acq: 31 Mar 2023 14:21

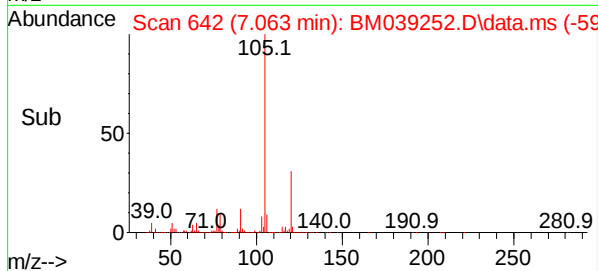
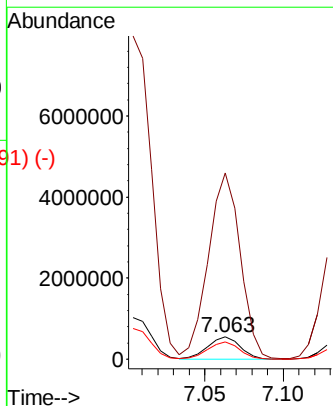
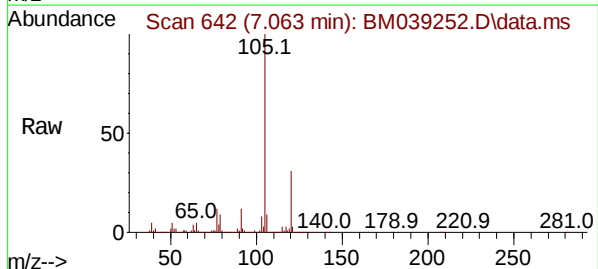
Instrument :
 BNA_M
 ClientSampleId :
 MW-6A

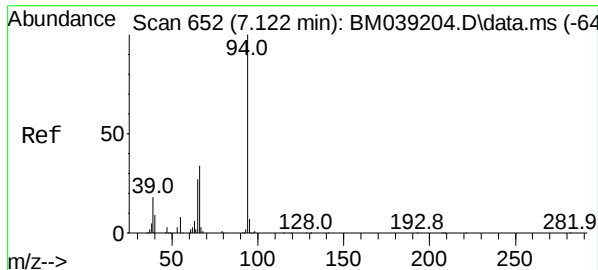
Tgt Ion: 99 Resp: 1038764
 Ion Ratio Lower Upper
 99 100
 42 17.0 13.0 19.6
 71 33.4 25.5 38.3



Benzaldehyde
 Concen: 49.023 ng
 RT: 7.063 min Scan# 642
 Delta R.T. 0.000 min
 Lab File: BM039252.D
 Acq: 31 Mar 2023 14:21

Tgt Ion: 77 Resp: 787540
 Ion Ratio Lower Upper
 77 100
 105 833.5 78.2 118.2#
 106 75.9 73.8 113.8

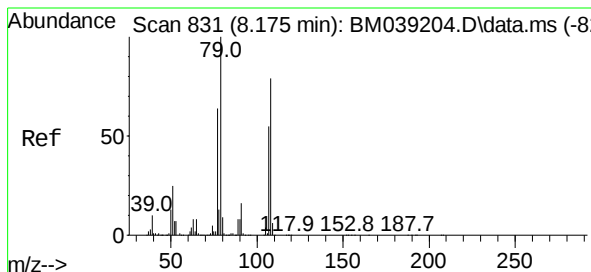
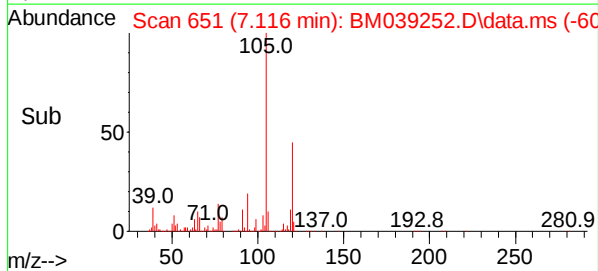
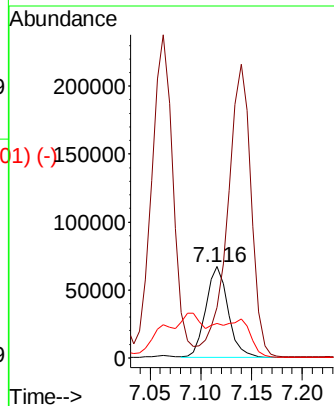
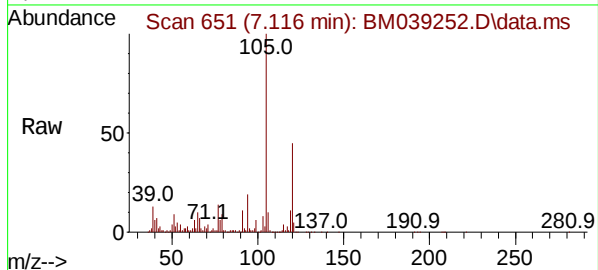




Phenol
Concen: 3.587 ng
RT: 7.116 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM039252.D
Acq: 31 Mar 2023 14:21

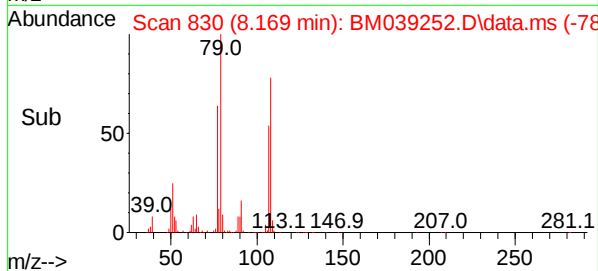
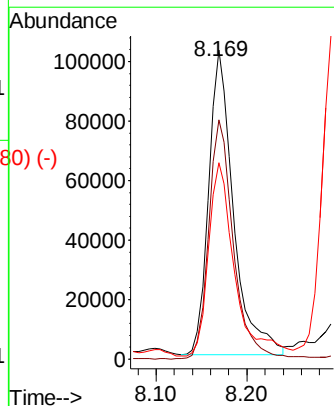
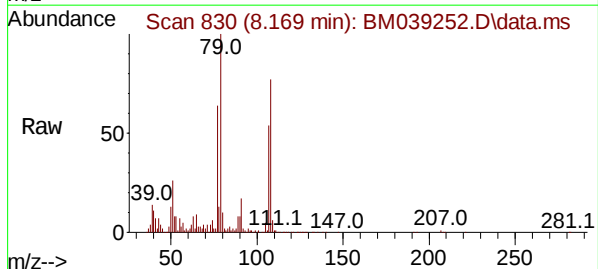
Instrument :
BNA_M
ClientSampleId :
MW-6A

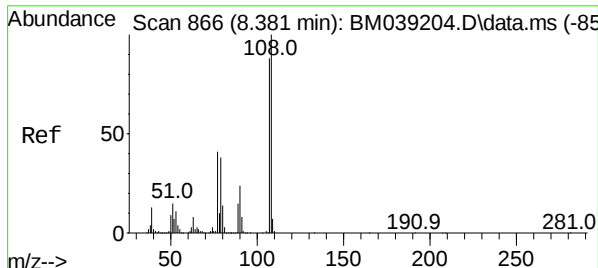
Tgt Ion: 94 Resp: 101405
Ion Ratio Lower Upper
94 100
65 55.2 7.2 47.2#
66 37.6 15.2 55.2



Benzyl Alcohol
Concen: 10.064 ng
RT: 8.169 min Scan# 830
Delta R.T. -0.006 min
Lab File: BM039252.D
Acq: 31 Mar 2023 14:21

Tgt Ion: 79 Resp: 195264
Ion Ratio Lower Upper
79 100
108 77.4 63.4 95.0
77 63.7 51.5 77.3





2-Methylphenol

Concen: 125.710 ng

RT: 8.375 min Scan# 866

Delta R.T. -0.006 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

Instrument :

BNA_M

ClientSampleId :

MW-6A

Tgt Ion:107 Resp: 2486348

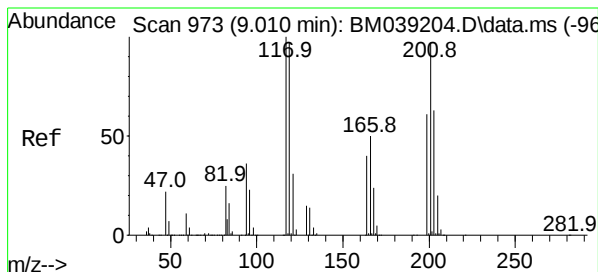
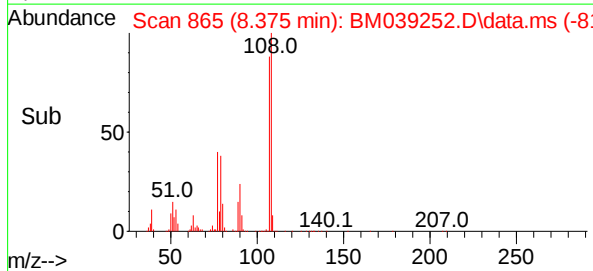
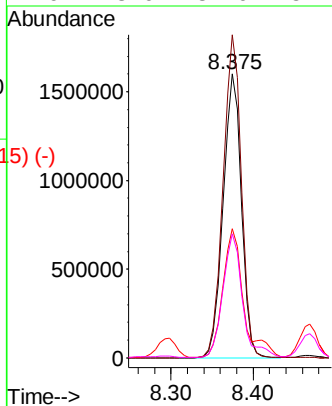
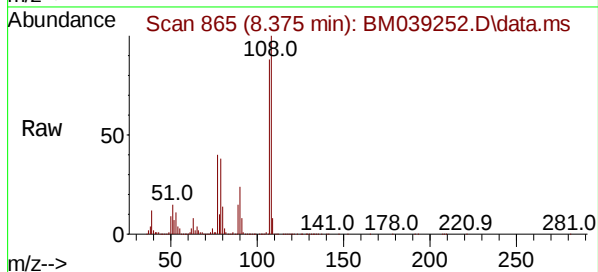
Ion Ratio Lower Upper

107 100

108 113.8 90.6 136.0

77 45.5 37.0 55.4

79 43.6 34.6 51.8



Hexachloroethane

Concen: 98.242 ng

RT: 9.034 min Scan# 977

Delta R.T. 0.023 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

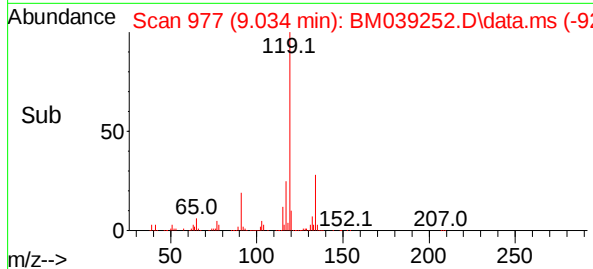
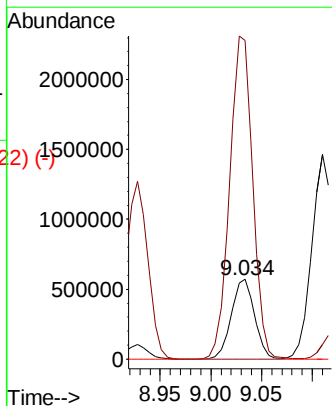
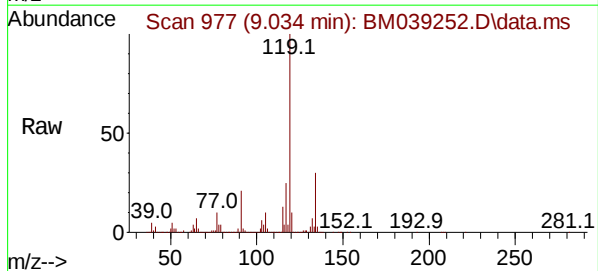
Tgt Ion:117 Resp: 909666

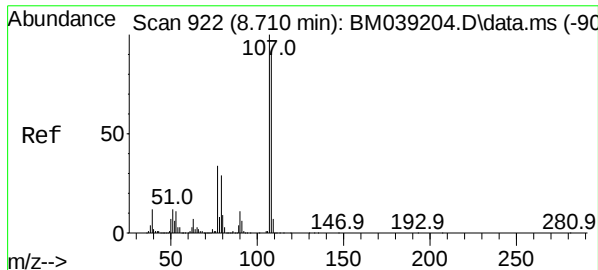
Ion Ratio Lower Upper

117 100

119 399.5 77.8 116.8#

201 0.0 77.3 115.9#





3+4-Methylphenols

Concen: 24.508 ng

RT: 8.698 min Scan# 920

Delta R.T. -0.012 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

Instrument :

BNA_M

ClientSampleId :

MW-6A

Tgt Ion:107 Resp: 651344

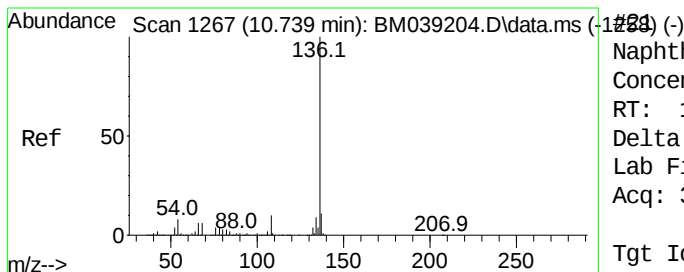
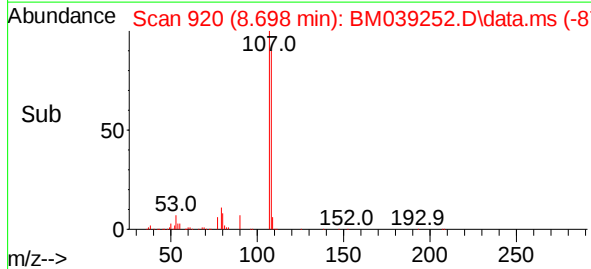
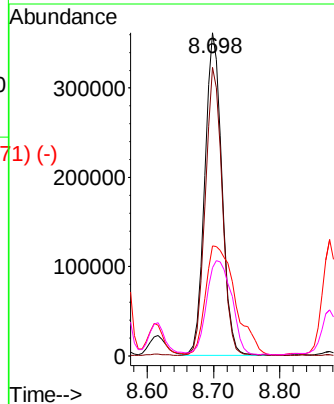
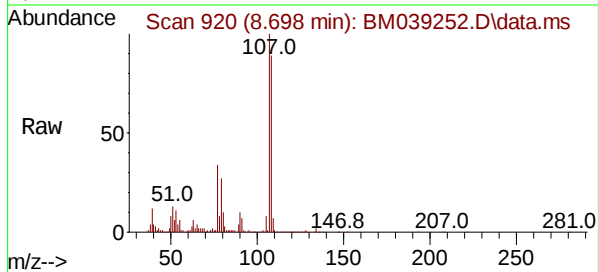
Ion Ratio Lower Upper

107 100

108 89.2 72.1 112.1

77 34.0 13.7 53.7

79 27.4 8.6 48.6



Naphthalene-d8

Concen: 20.000 ng

RT: 10.733 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

Tgt Ion:136 Resp: 1418879

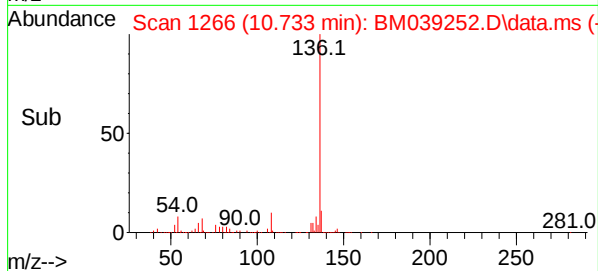
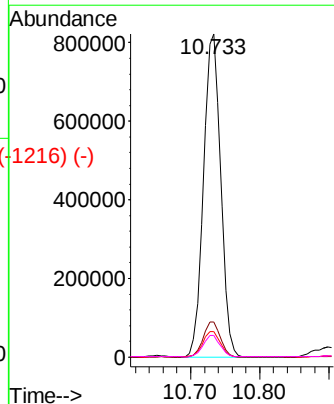
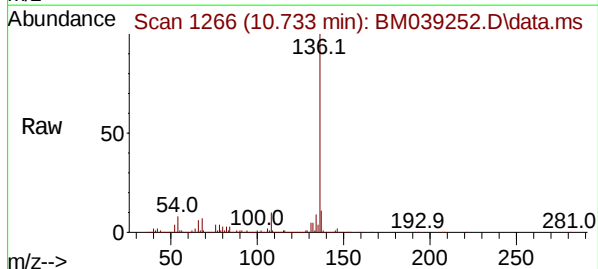
Ion Ratio Lower Upper

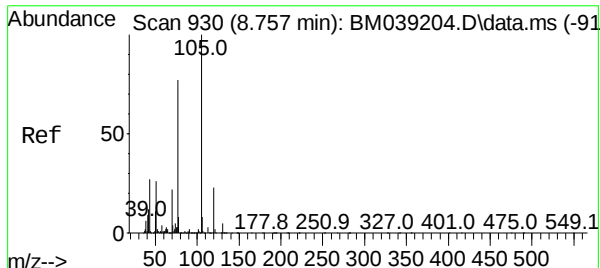
136 100

137 10.8 8.9 13.3

54 7.9 6.2 9.4

68 6.8 4.9 7.3





Acetophenone

Concen: 29.825 ng

RT: 8.722 min Scan#

Delta R.T. -0.035 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

Instrument :

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ClientSampleId :

MW-6A

Tgt Ion:105 Resp: 1131472

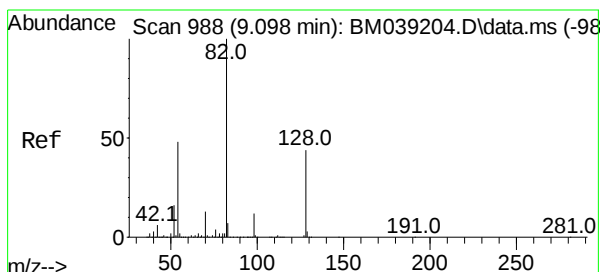
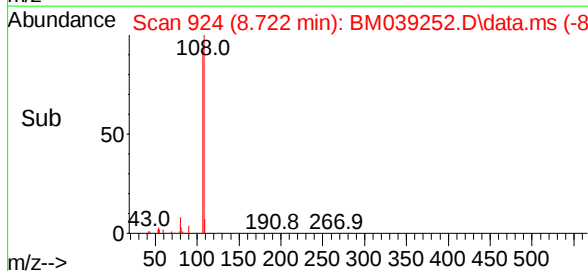
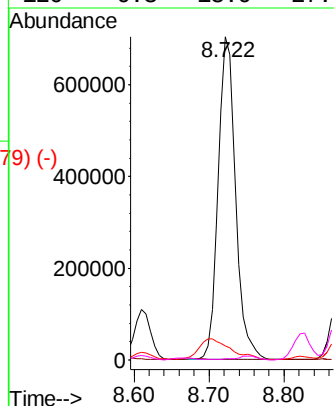
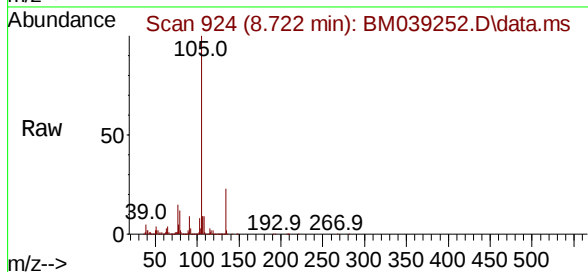
Ion Ratio Lower Upper

105 100

71 0.2 2.8 4.2#

51 4.4 20.6 31.0#

120 0.3 18.0 27.0#



Nitrobenzene-d5

Concen: 92.177 ng

RT: 9.092 min Scan# 987

Delta R.T. -0.006 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

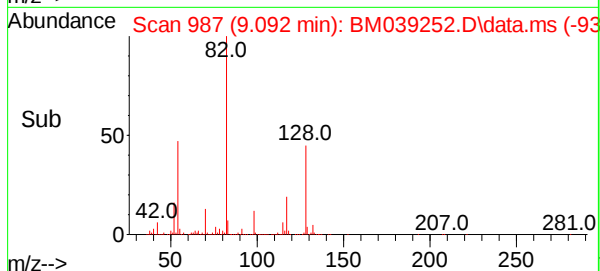
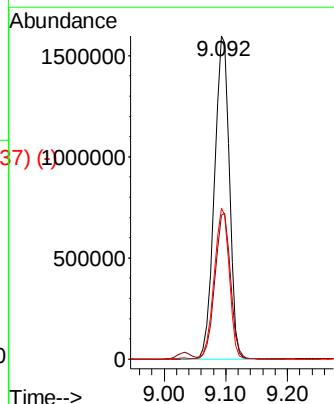
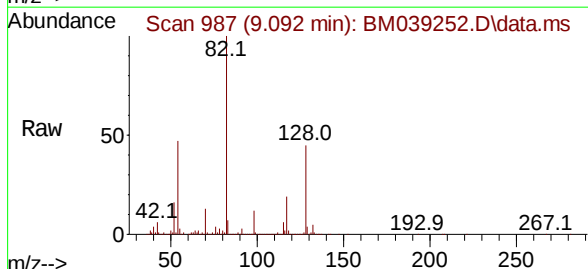
Tgt Ion: 82 Resp: 2690969

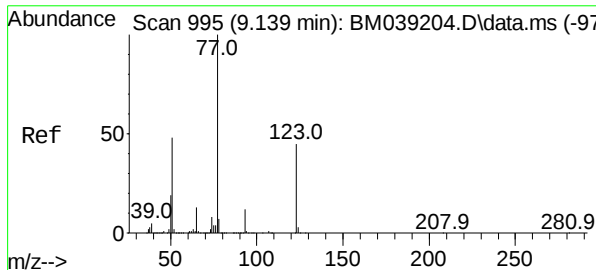
Ion Ratio Lower Upper

82 100

128 44.6 35.1 52.7

54 46.8 38.5 57.7





Nitrobenzene

Concen: 4.839 ng

RT: 9.110 min Scan# 1131

Delta R.T. -0.029 min

Lab File: BM039252.D

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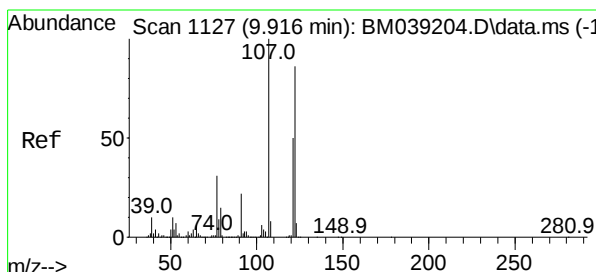
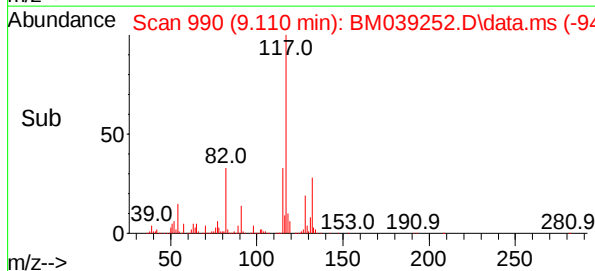
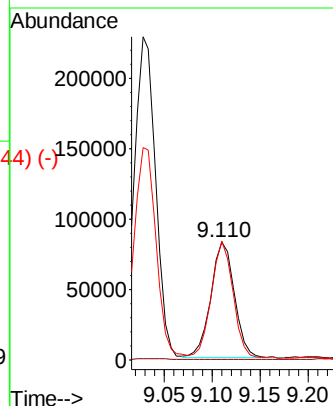
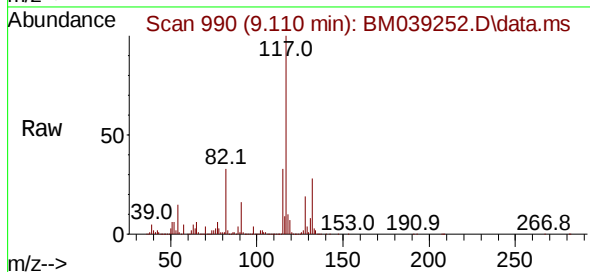
Tgt Ion: 77 Resp: 140519

Ion Ratio Lower Upper

77 100

123 0.4 36.2 54.2#

65 101.0 10.6 15.8#



2,4-Dimethylphenol

Concen: 31.619 ng

RT: 9.939 min Scan# 1131

Delta R.T. 0.023 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

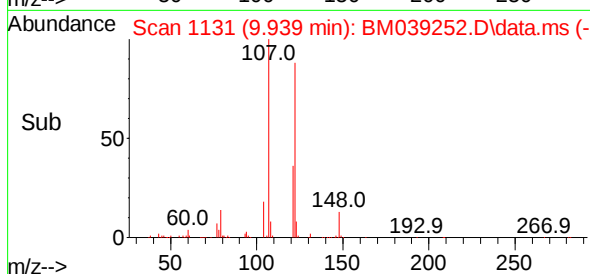
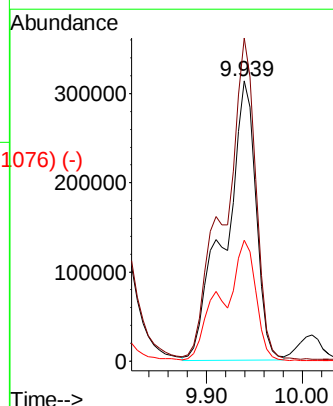
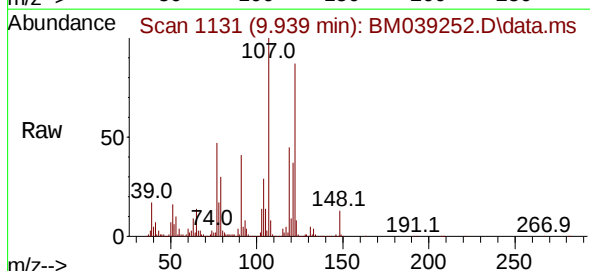
Tgt Ion:122 Resp: 705176

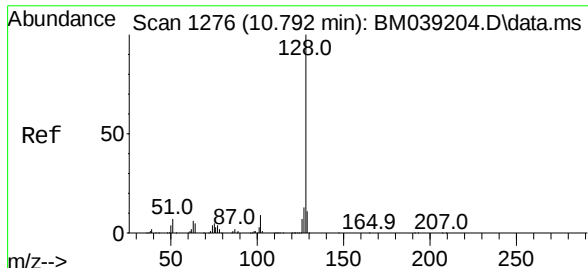
Ion Ratio Lower Upper

122 100

107 115.2 92.3 138.5

121 43.1 46.3 69.5#



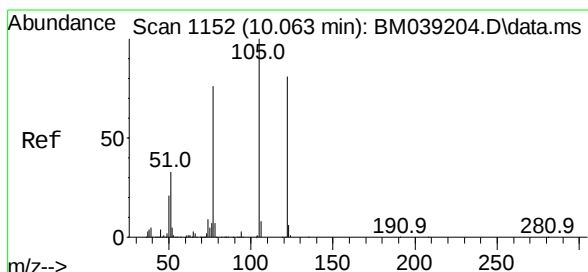
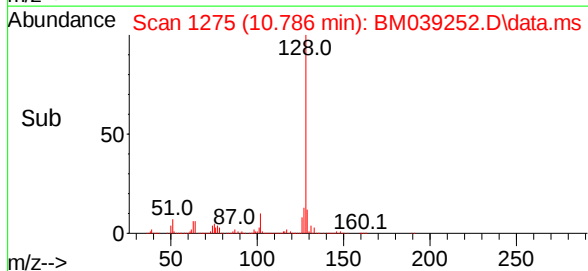
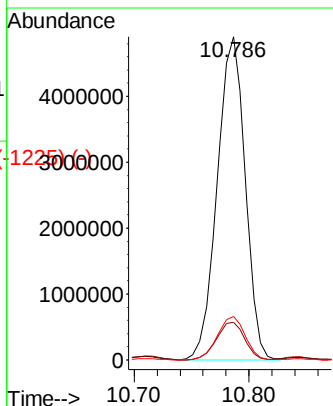
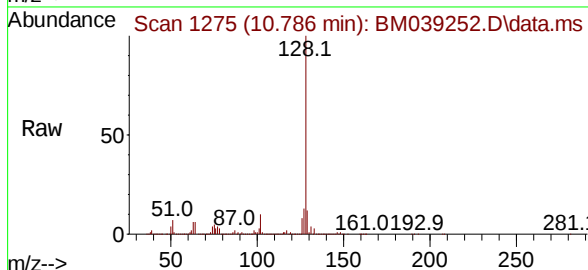


Scan 1276 (10.792 min): BM039204.D\data.ms (-128.0) (-)
 Naphthalene
 Concen: 108.039 ng
 RT: 10.786 min Scan# 1275
 Delta R.T. -0.006 min
 Lab File: BM039252.D
 Acq: 31 Mar 2023 14:21

Instrument :
 BNA_M
 ClientSampleId :
 MW-6A

Tgt Ion:128 Resp: 8260080

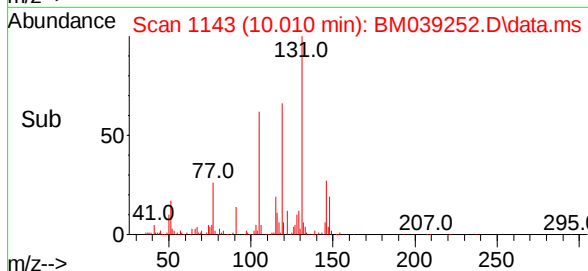
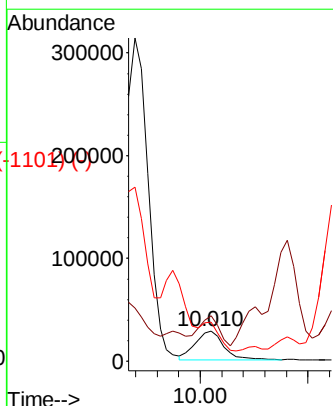
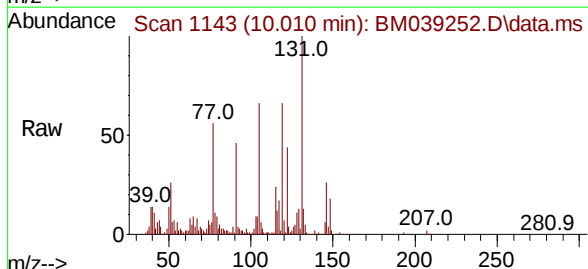
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	13.0
127	13.3	10.3	15.5

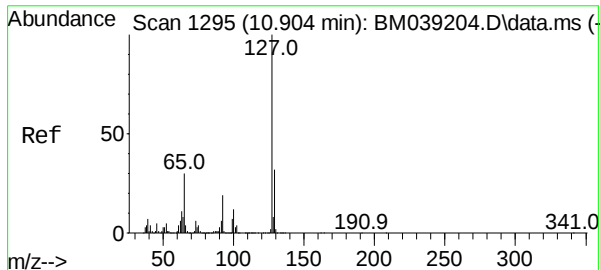


Scan 1152 (10.063 min): BM039204.D\data.ms (-132) (-)
 Benzoic acid
 Concen: 2.908 ng
 RT: 10.010 min Scan# 1143
 Delta R.T. -0.053 min
 Lab File: BM039252.D
 Acq: 31 Mar 2023 14:21

Tgt Ion:122 Resp: 50550

Ion	Ratio	Lower	Upper
122	100		
105	151.2	103.1	143.1#
77	129.1	74.6	114.6#



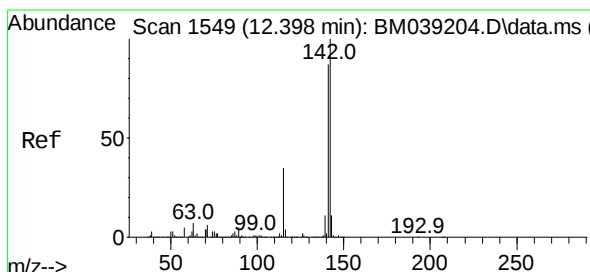
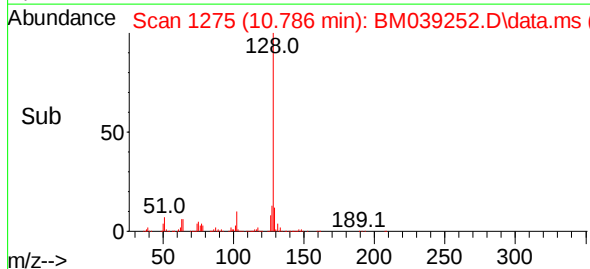
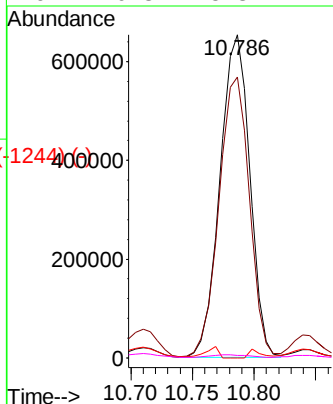
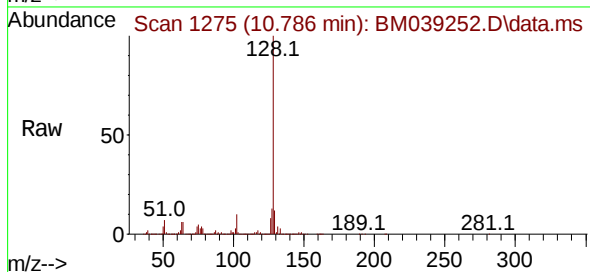


4-Chloroaniline
 Concen: 32.856 ng
 RT: 10.786 min Scan# 1275
 Delta R.T. -0.118 min
 Lab File: BM039252.D
 Acq: 31 Mar 2023 14:21

Instrument :
 BNA_M
 ClientSampleId :
 MW-6A

Tgt Ion:127 Resp: 1100523

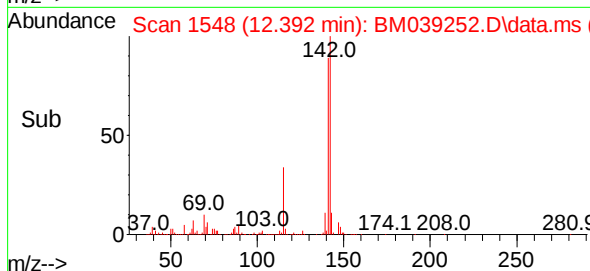
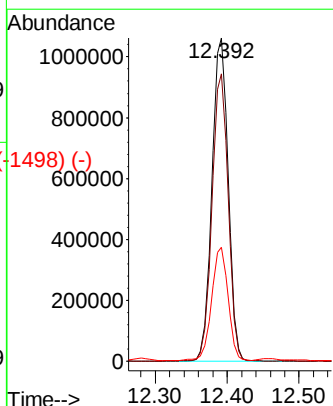
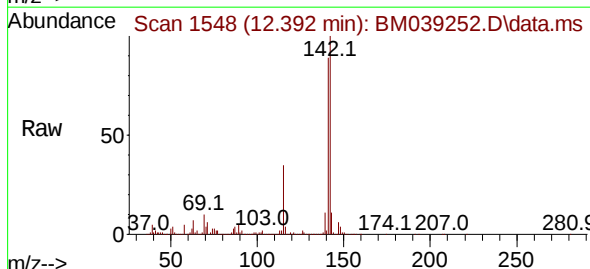
Ion	Ratio	Lower	Upper
127	100		
129	86.9	25.7	38.5#
65	0.0	24.1	36.1#
92	0.8	15.3	22.9#



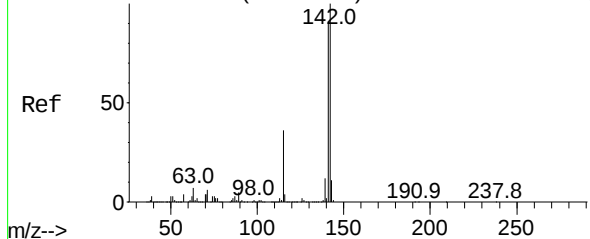
2-Methylnaphthalene
 Concen: 31.217 ng
 RT: 12.392 min Scan# 1548
 Delta R.T. -0.006 min
 Lab File: BM039252.D
 Acq: 31 Mar 2023 14:21

Tgt Ion:142 Resp: 1661463

Ion	Ratio	Lower	Upper
142	100		
141	89.0	69.8	104.8
115	35.1	27.8	41.8



Abundance Scan 1587 (12.622 min): BM039204.D\data.ms (-1536) (-)



1-Methylnaphthalene

Concen: 33.339 ng

RT: 12.392 min Scan#

Delta R.T. -0.229 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

Instrument :

BNA_M

ClientSampleId :

MW-6A

Tgt Ion:142 Resp: 1661463

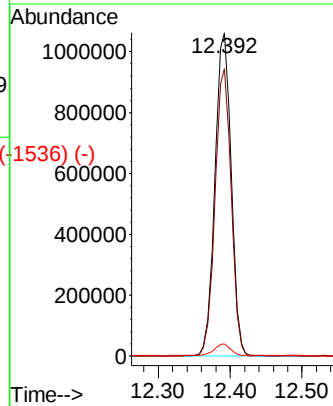
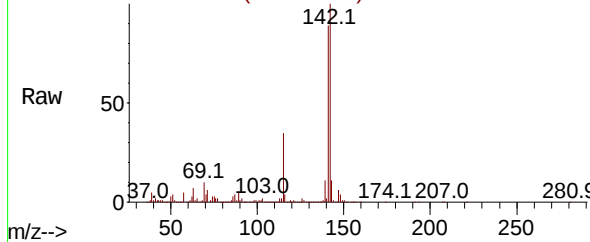
Ion Ratio Lower Upper

142 100

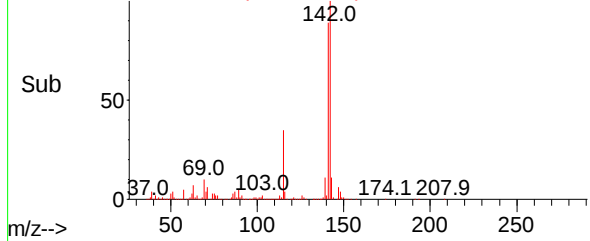
141 89.0 73.2 109.8

116 3.7 3.0 4.4

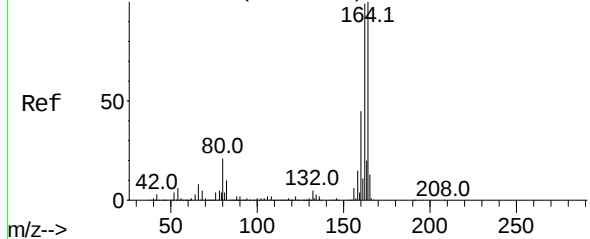
Abundance Scan 1548 (12.392 min): BM039252.D\data.ms



Abundance Scan 1548 (12.392 min): BM039252.D\data.ms (-1536) (-)



Abundance Scan 1919 (14.574 min): BM039204.D\data.ms (-1539) (-)



Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1917

Delta R.T. -0.011 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

Tgt Ion:164 Resp: 842801

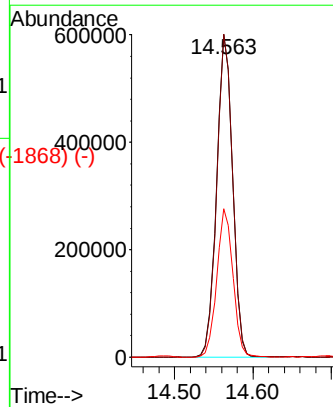
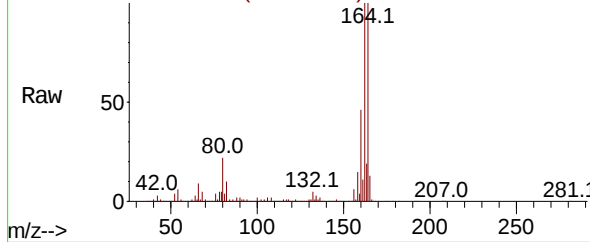
Ion Ratio Lower Upper

164 100

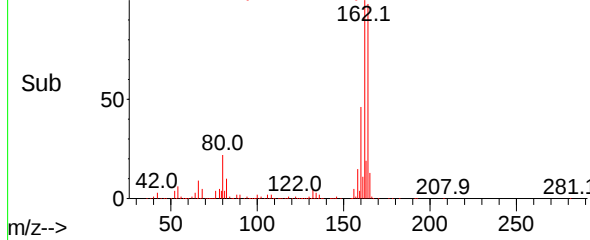
162 100.1 79.1 118.7

160 45.9 35.8 53.8

Abundance Scan 1917 (14.563 min): BM039252.D\data.ms



Abundance Scan 1917 (14.563 min): BM039252.D\data.ms (-1868) (-)



Abundance Scan 2172 (16.063 min): BM039204.D\data.ms (-2142) (-)

2,4,6-Tribromophenol

Concen: 148.440 ng

RT: 16.057 min Scan# 2171

Delta R.T. -0.006 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

Instrument :

BNA_M

ClientSampleId :

MW-6A

Tgt Ion:330 Resp: 1588092

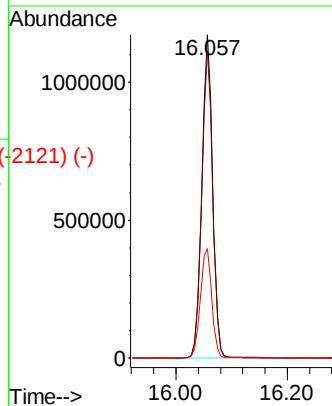
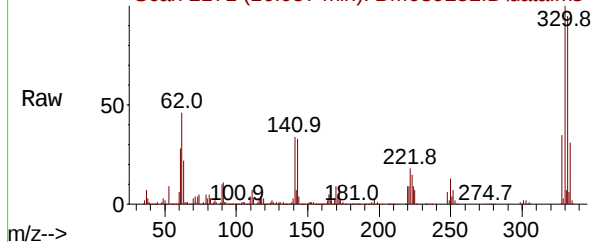
Ion Ratio Lower Upper

330 100

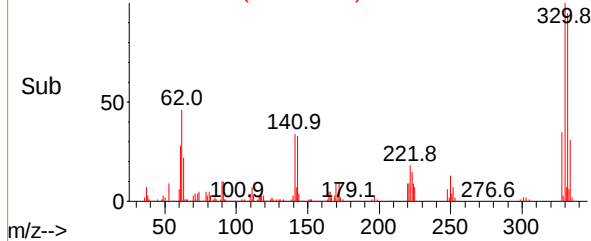
332 95.9 77.4 116.0

141 35.8 29.8 44.6

Abundance Scan 2171 (16.057 min): BM039252.D\data.ms



Abundance Scan 2171 (16.057 min): BM039252.D\data.ms (-2121) (-)



Abundance Scan 1685 (13.198 min): BM039204.D\data.ms (-1645) (-)

2-Fluorobiphenyl

Concen: 91.886 ng

RT: 13.192 min Scan# 1684

Delta R.T. -0.006 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

Tgt Ion:172 Resp: 5715642

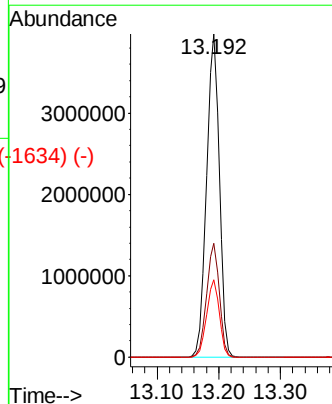
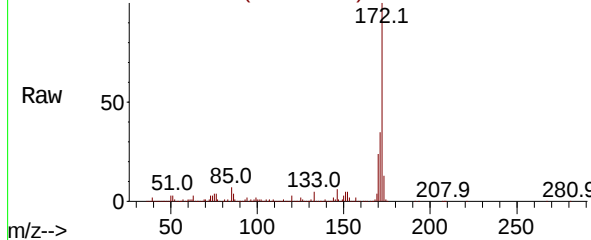
Ion Ratio Lower Upper

172 100

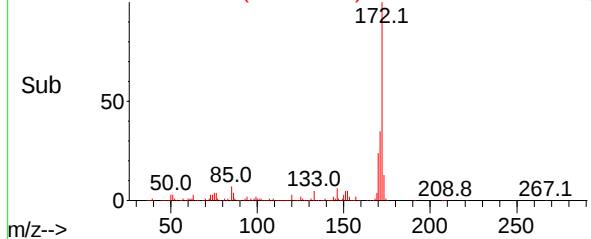
171 35.3 28.0 42.0

170 23.9 18.7 28.1

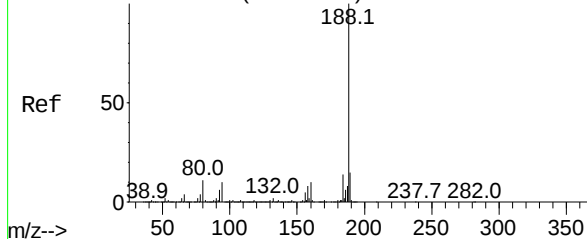
Abundance Scan 1684 (13.192 min): BM039252.D\data.ms



Abundance Scan 1684 (13.192 min): BM039252.D\data.ms (-1634) (-)



Abundance Scan 2386 (17.321 min): BM039204.D\data.ms (-2386) (-)



Phenanthrene-d10

Concen: 20.000 ng

RT: 17.309 min Scan# 2384

Delta R.T. -0.012 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

Instrument :

BNA_M

ClientSampleId :

MW-6A

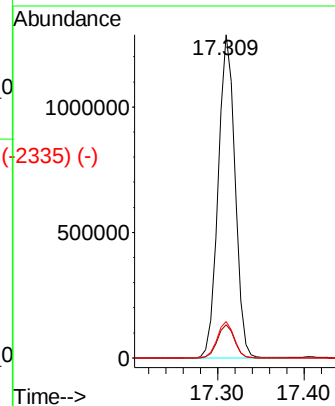
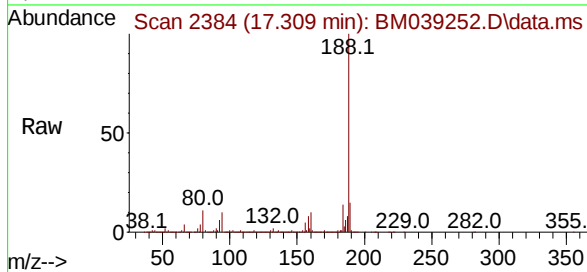
Tgt Ion:188 Resp: 1744841

Ion Ratio Lower Upper

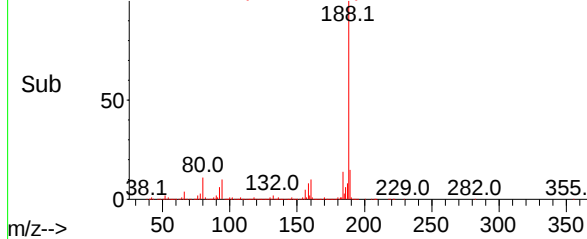
188 100

94 10.2 8.2 12.4

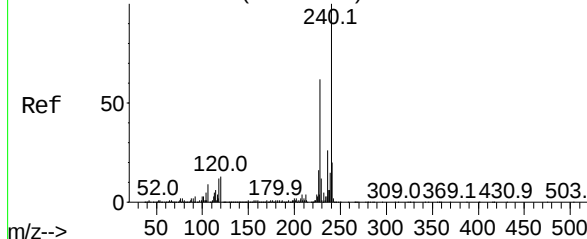
80 11.2 8.9 13.3



Abundance Scan 2384 (17.309 min): BM039252.D\data.ms (-2335) (-)



Abundance Scan 3097 (21.503 min): BM039204.D\data.ms (-3079) (-)



Chrysene-d12

Concen: 20.000 ng

RT: 21.492 min Scan# 3095

Delta R.T. -0.012 min

Lab File: BM039252.D

Acq: 31 Mar 2023 14:21

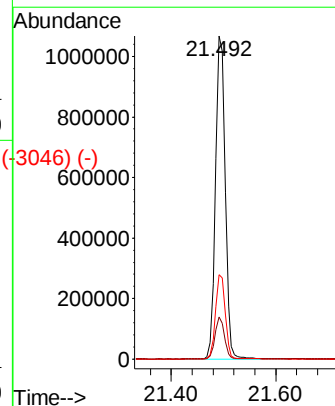
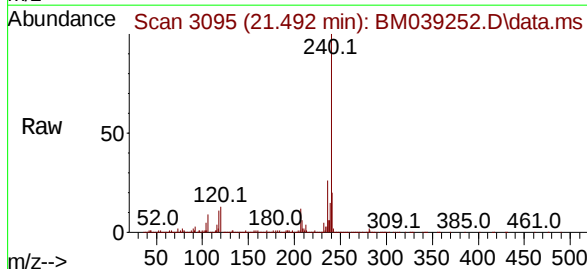
Tgt Ion:240 Resp: 1371502

Ion Ratio Lower Upper

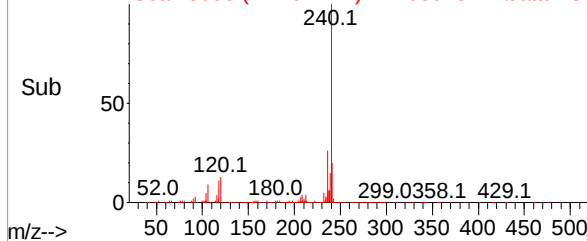
240 100

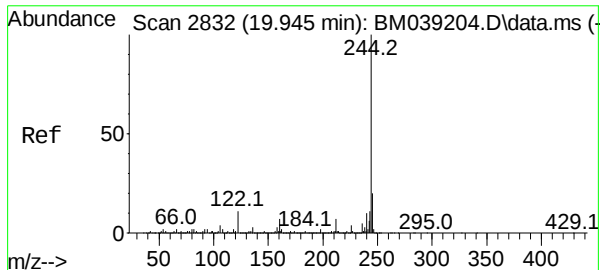
120 13.0 10.2 15.2

236 26.1 20.9 31.3



Abundance Scan 3095 (21.492 min): BM039252.D\data.ms (-3046) (-)

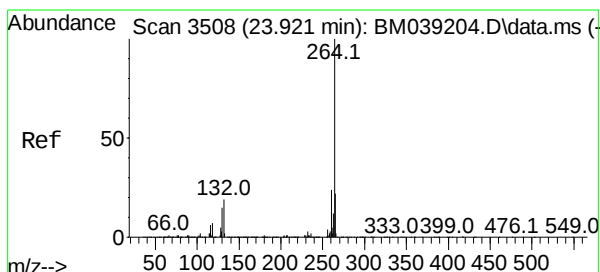
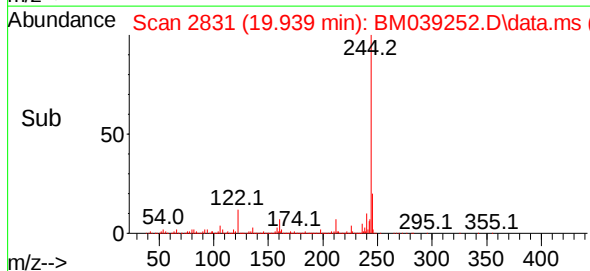
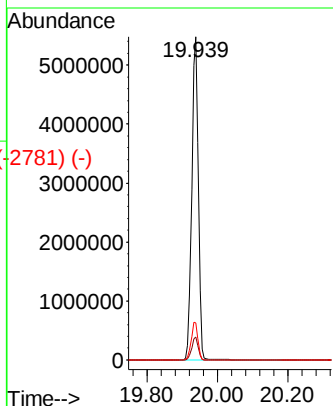
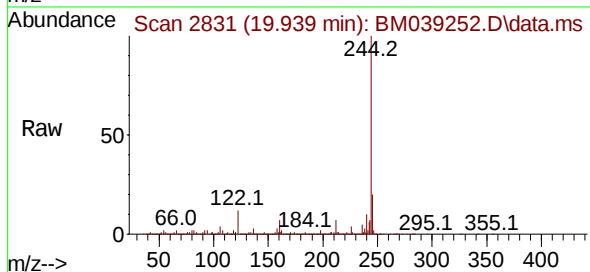




Terphenyl-d14
 Concen: 94.868 ng
 RT: 19.939 min Scan# 2831
 Delta R.T. -0.006 min
 Lab File: BM039252.D
 Acq: 31 Mar 2023 14:21

Instrument :
 BNA_M
 ClientSampleId :
 MW-6A

Tgt Ion:244 Resp: 7042334
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 11.5 9.1 13.7



Perylene-d12
 Concen: 20.000 ng
 RT: 23.909 min Scan# 3506
 Delta R.T. -0.012 min
 Lab File: BM039252.D
 Acq: 31 Mar 2023 14:21

Tgt Ion:264 Resp: 1191981
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 22.3 18.1 27.1

