

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033123\
 Data File : BM039251.D
 Acq On : 31 Mar 2023 13:44
 Operator : CG/JU
 Sample : 02084-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-5B

Quant Time: Mar 31 16:53:16 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)

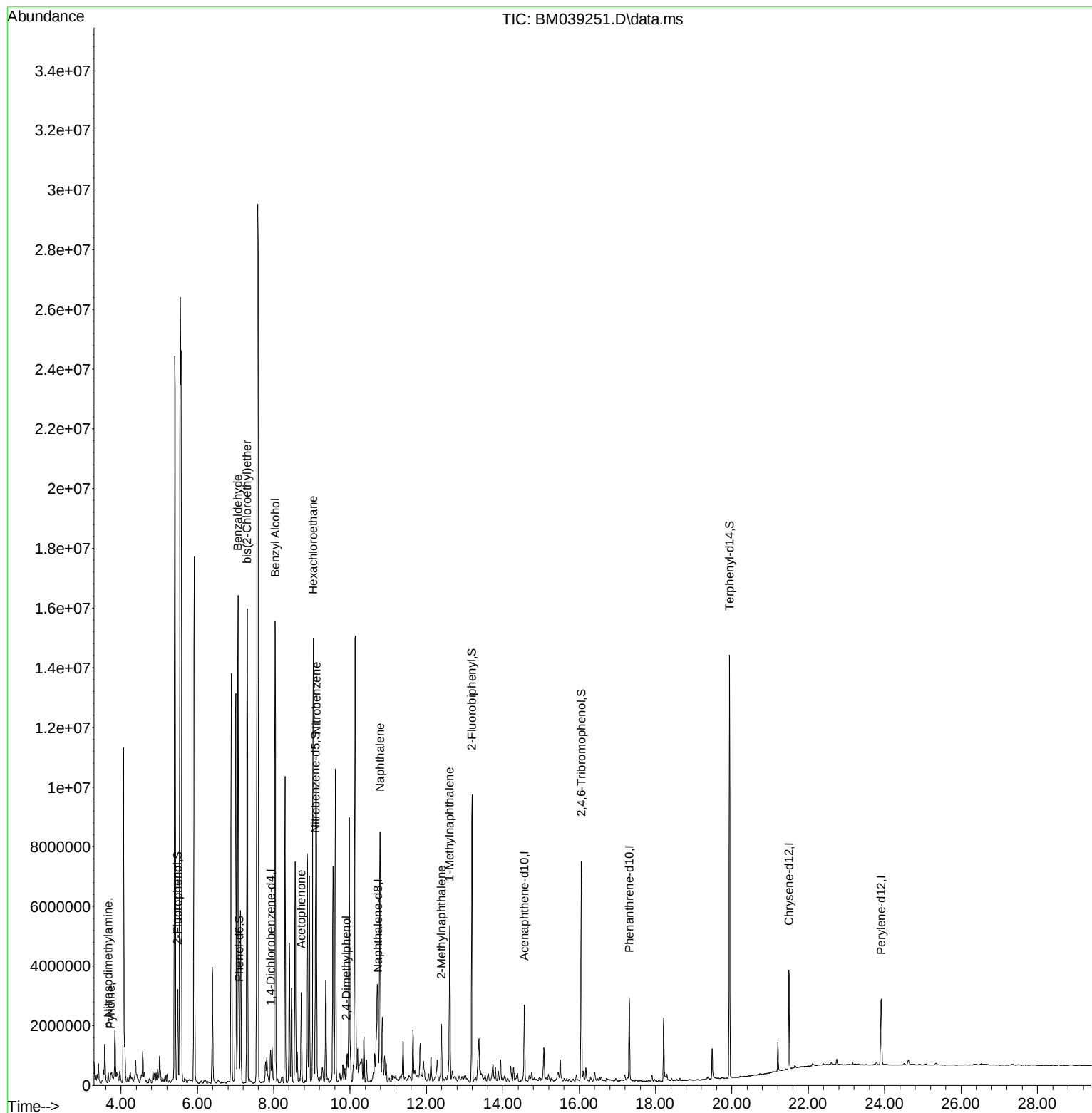
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	295053	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	1241189	20.000	ng	-0.01
39) Acenaphthene-d10	14.563	164	750158	20.000	ng	-0.01
64) Phenanthrene-d10	17.310	188	1607321	20.000	ng	-0.01
76) Chrysene-d12	21.492	240	1536034	20.000	ng	-0.01
86) Perylene-d12	23.909	264	1641975	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1331636	67.996	ng	0.00
7) Phenol-d6	7.093	99	1048757	41.403	ng	0.00
23) Nitrobenzene-d5	9.098	82	2303616	90.205	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1347571	141.514	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	4796357	86.630	ng	0.00
79) Terphenyl-d14	19.939	244	6693136	80.506	ng	0.00
Target Compounds						
						Qvalue
3) Pyridine	3.734	79	57096	2.546	ng	# 55
4) n-Nitrosodimethylamine	3.669	42	29575	3.358	ng	# 1
9) Benzaldehyde	7.063	77	1169921	81.101	ng	# 1
11) bis(2-Chloroethyl)ether	7.304	93	51519	2.523	ng	# 1
15) Benzyl Alcohol	8.040	79	793264	45.532	ng	# 4
18) Hexachloroethane	9.034	117	2064592	248.314	ng	# 1
22) Acetophenone	8.722	105	2081897	62.734	ng	# 57
24) Nitrobenzene	9.116	77	301444	11.867	ng	# 1
27) 2,4-Dimethylphenol	9.910	122	44246	2.268	ng	99
31) Naphthalene	10.786	128	5412080	80.923	ng	97
37) 2-Methylnaphthalene	12.386	142	841757	18.080	ng	99
38) 1-Methylnaphthalene	12.610	142	2232847	51.218	ng	99

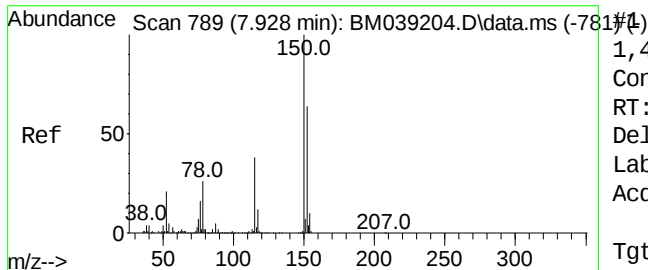
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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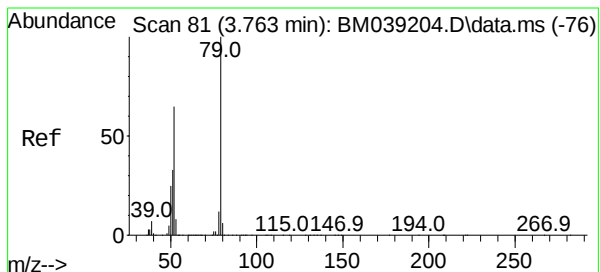
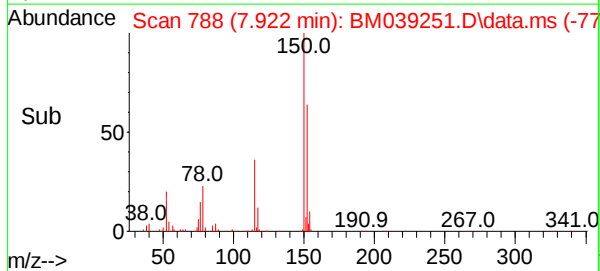
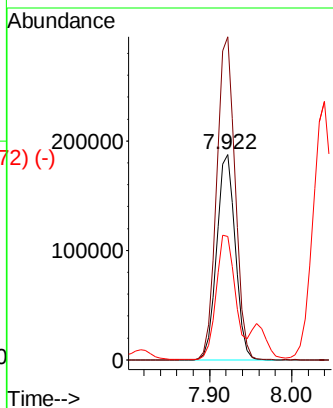
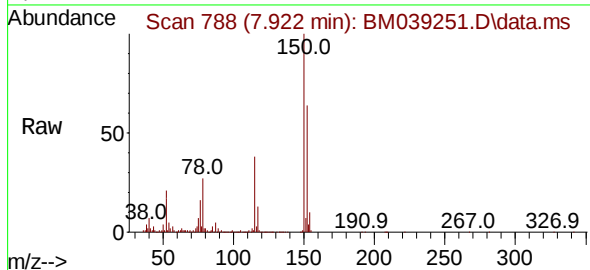




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.922 min Scan#
 Delta R.T. -0.006 min
 Lab File: BM039251.D
 Acq: 31 Mar 2023 13:44

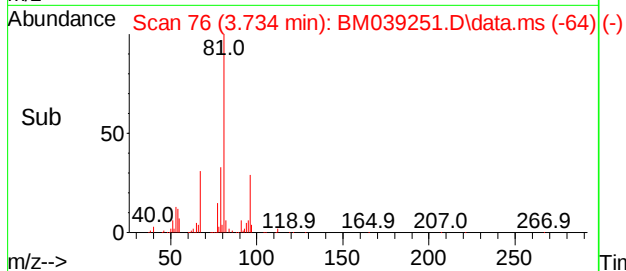
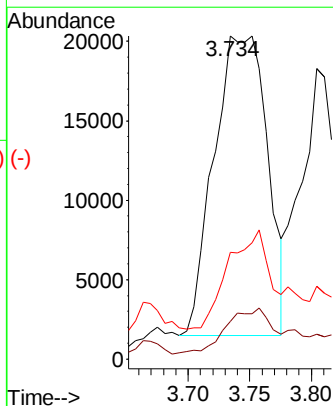
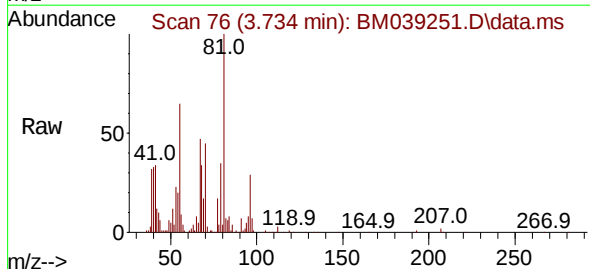
Instrument :
 BNA_M
 ClientSampleId :
 MW-5B

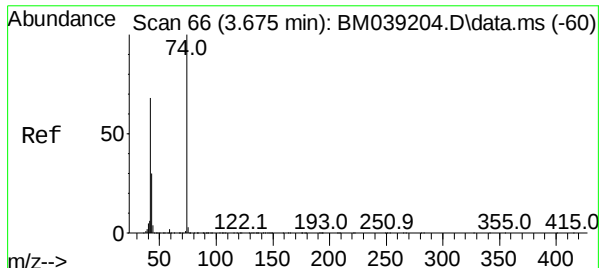
Tgt Ion:152 Resp: 295053
 Ion Ratio Lower Upper
 152 100
 150 157.3 125.5 188.3
 115 60.1 48.1 72.1



Pyridine
 Concen: 2.546 ng
 RT: 3.734 min Scan# 76
 Delta R.T. -0.029 min
 Lab File: BM039251.D
 Acq: 31 Mar 2023 13:44

Tgt Ion: 79 Resp: 57096
 Ion Ratio Lower Upper
 79 100
 52 11.7 52.0 78.0#
 51 33.0 26.4 39.6

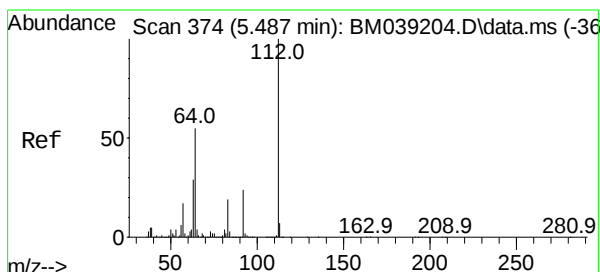
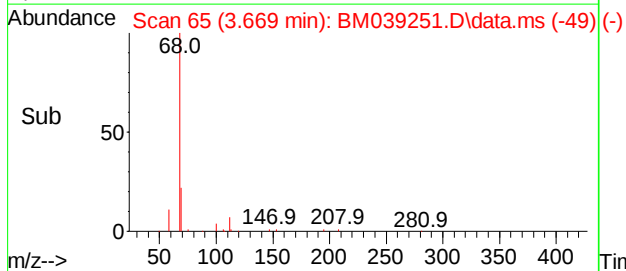
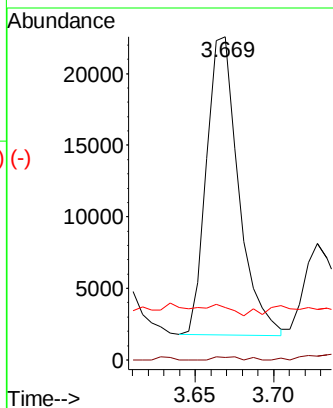
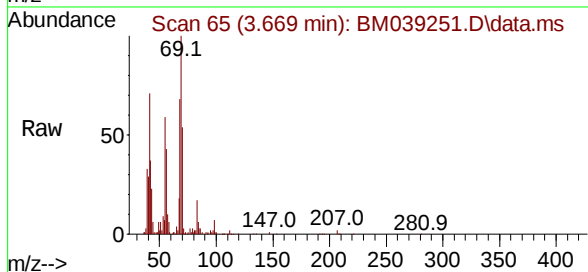




n-Nitrosodimethylamine
 Concen: 3.358 ng
 RT: 3.669 min Scan# 66
 Delta R.T. -0.006 min
 Lab File: BM039251.D
 Acq: 31 Mar 2023 13:44

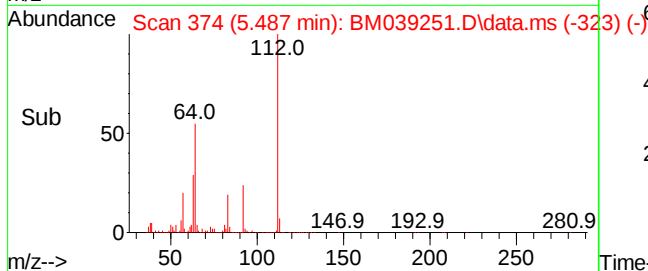
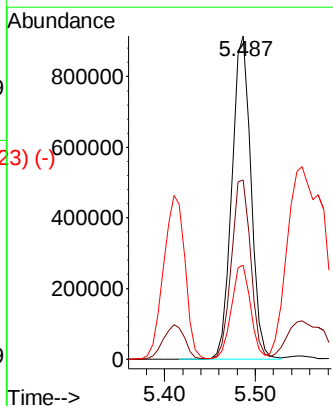
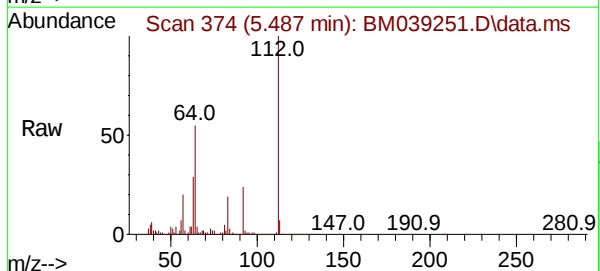
Instrument :
 BNA_M
 ClientSampleId :
 MW-5B

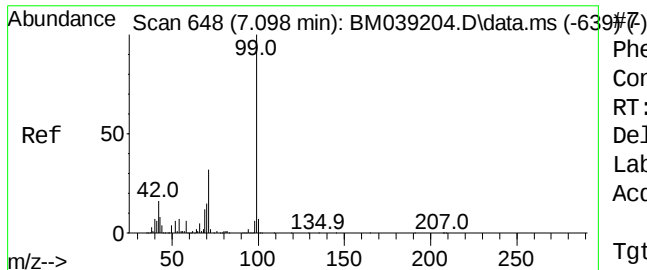
Tgt Ion:	42	Resp:	29575
Ion	Ratio	Lower	Upper
42	100		
74	0.7	118.1	177.1#
44	16.3	6.3	9.5#



2-Fluorophenol
 Concen: 67.996 ng
 RT: 5.487 min Scan# 374
 Delta R.T. 0.000 min
 Lab File: BM039251.D
 Acq: 31 Mar 2023 13:44

Tgt Ion:	112	Resp:	1331636
Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.3	66.5
63	29.1	23.0	34.6





Phenol-d6

Concen: 41.403 ng

RT: 7.093 min Scan# 648

Delta R.T. -0.006 min

Lab File: BM039251.D

Acq: 31 Mar 2023 13:44

Instrument :

BNA_M

ClientSampleId :

MW-5B

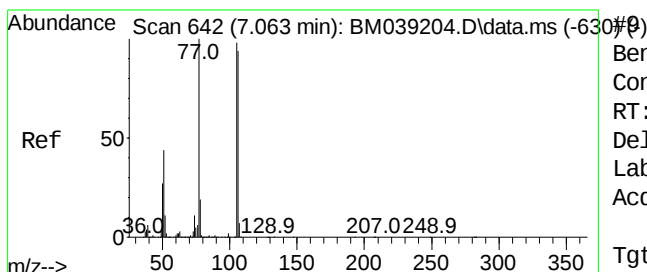
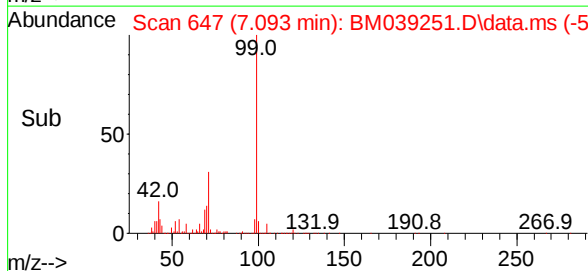
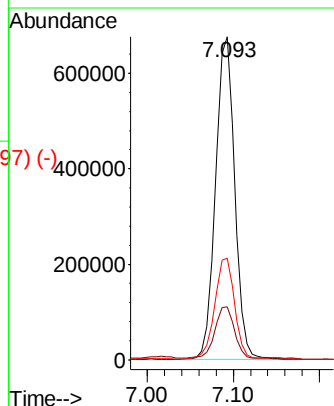
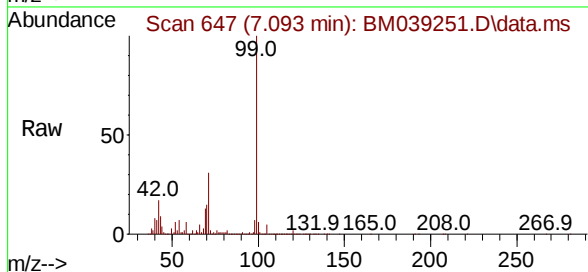
Tgt Ion: 99 Resp: 1048757

Ion Ratio Lower Upper

99 100

42 16.5 13.0 19.6

71 31.4 25.5 38.3



Benzaldehyde

Concen: 81.101 ng

RT: 7.063 min Scan# 642

Delta R.T. 0.000 min

Lab File: BM039251.D

Acq: 31 Mar 2023 13:44

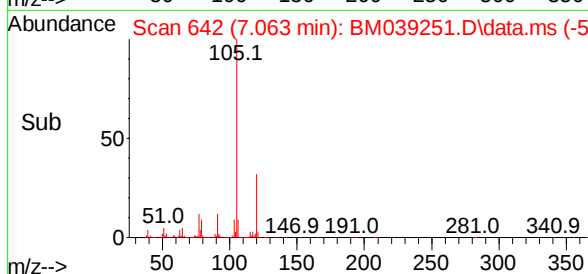
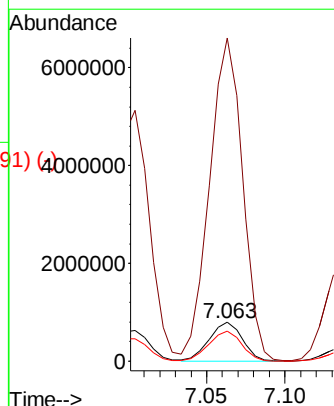
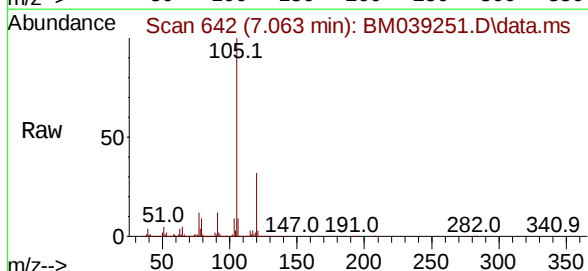
Tgt Ion: 77 Resp: 1169921

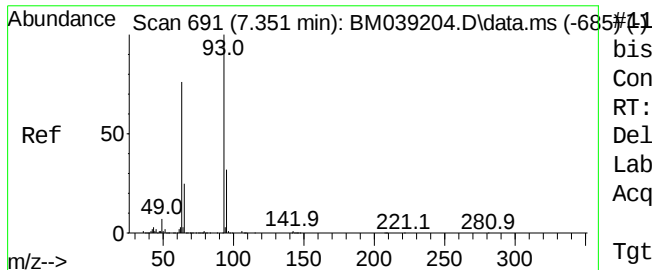
Ion Ratio Lower Upper

77 100

105 833.6 78.2 118.2#

106 78.1 73.8 113.8

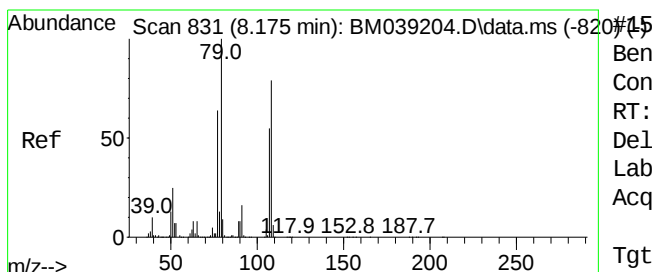
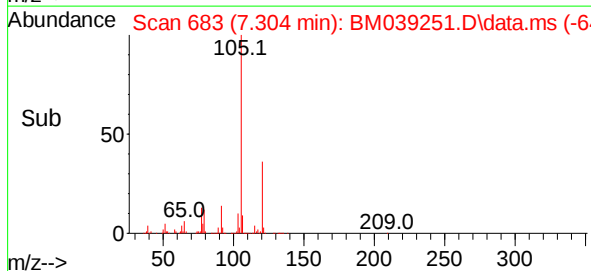
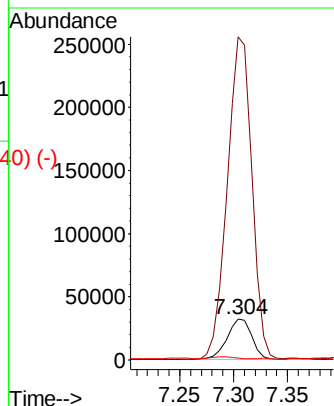
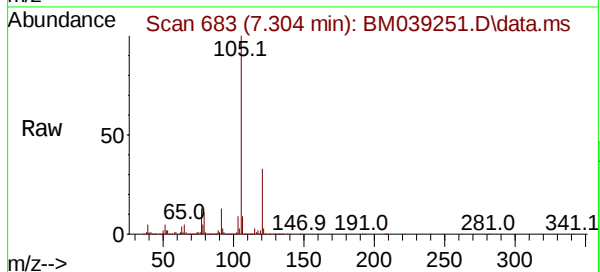




bis(2-Chloroethyl)ether
 Concen: 2.523 ng
 RT: 7.304 min Scan# 11
 Delta R.T. -0.047 min
 Lab File: BM039251.D
 Acq: 31 Mar 2023 13:44

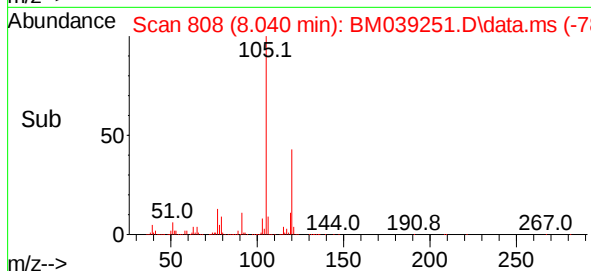
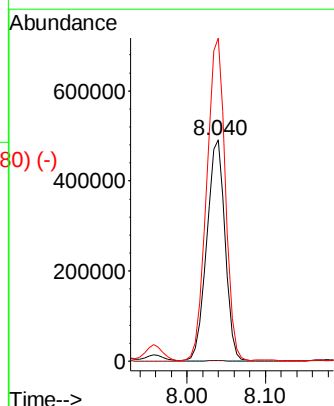
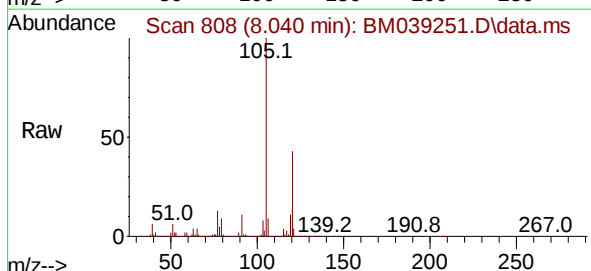
Instrument :
 BNA_M
 ClientSampleId :
 MW-5B

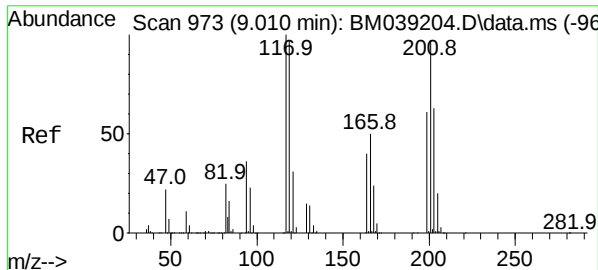
Tgt Ion:	93	Resp:	51519
Ion	Ratio	Lower	Upper
93	100		
63	786.0	55.5	95.5#
95	5.0	12.2	52.2#



Benzyl Alcohol
 Concen: 45.532 ng
 RT: 8.040 min Scan# 808
 Delta R.T. -0.135 min
 Lab File: BM039251.D
 Acq: 31 Mar 2023 13:44

Tgt Ion:	79	Resp:	793264
Ion	Ratio	Lower	Upper
79	100		
108	0.1	63.4	95.0#
77	145.9	51.5	77.3#

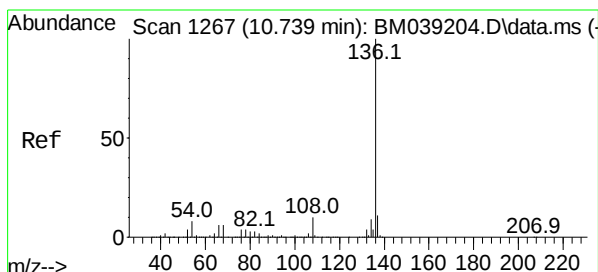
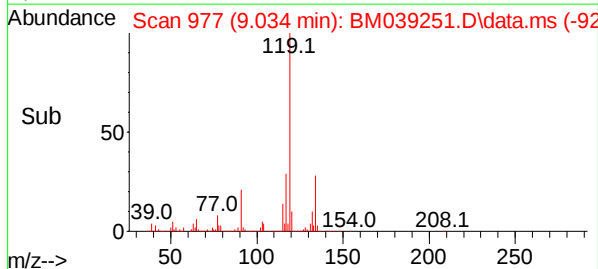
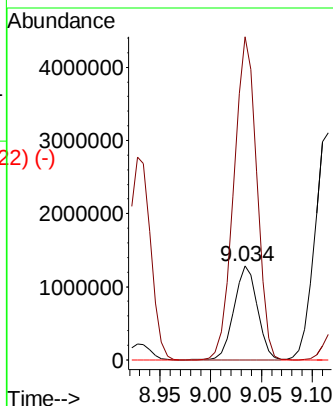
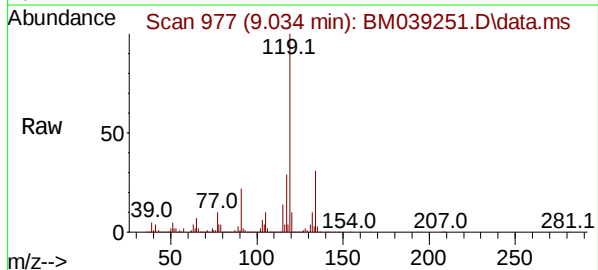




Hexachloroethane
Concen: 248.314 ng
RT: 9.034 min Scan# 118
Delta R.T. 0.024 min
Lab File: BM039251.D
Acq: 31 Mar 2023 13:44

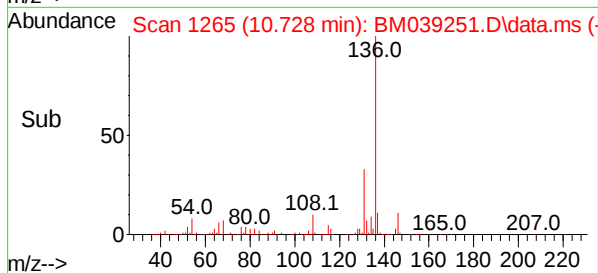
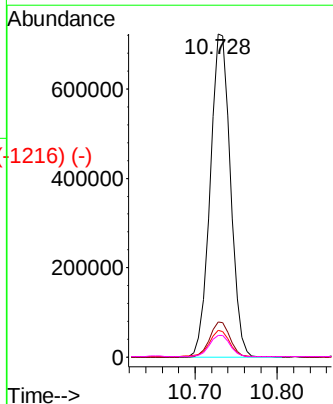
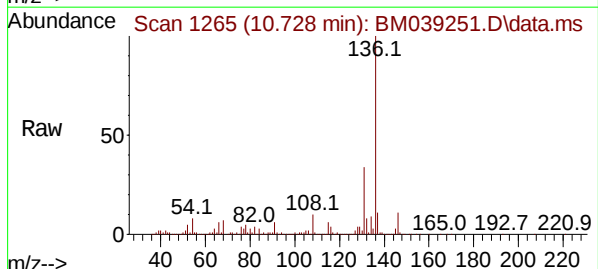
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ClientSampleId :
MW-5B

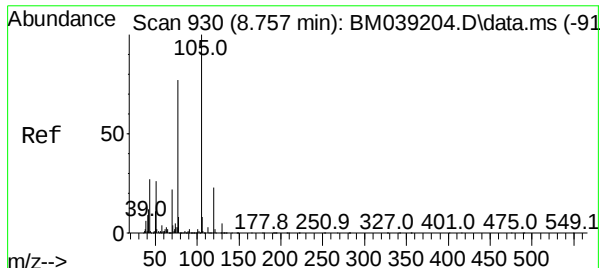
Tgt Ion:117 Resp: 2064592
Ion Ratio Lower Upper
117 100
119 342.7 77.8 116.8#
201 0.0 77.3 115.9#



Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BM039251.D
Acq: 31 Mar 2023 13:44

Tgt Ion:136 Resp: 1241189
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.2 6.2 9.4
68 6.7 4.9 7.3





Acetophenone

Concen: 62.734 ng

RT: 8.722 min Scan#

Delta R.T. -0.035 min

Lab File: BM039251.D

Acq: 31 Mar 2023 13:44

Instrument :

BNA_M

ClientSampleId :

MW-5B

Tgt Ion:105 Resp: 2081897

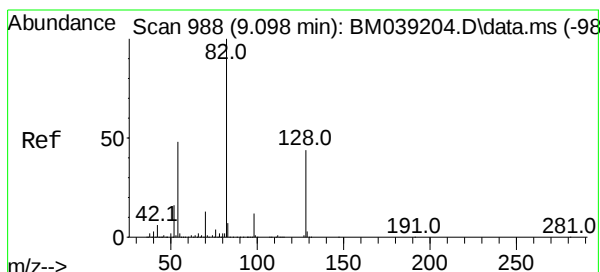
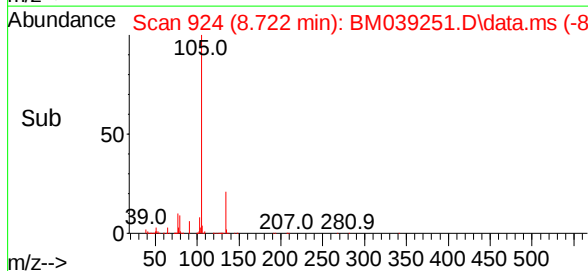
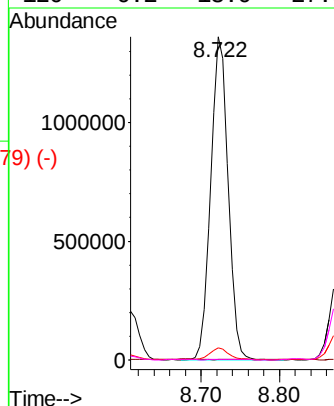
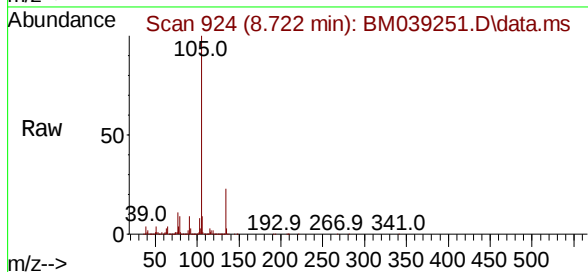
Ion Ratio Lower Upper

105 100

71 0.1 2.8 4.2#

51 3.6 20.6 31.0#

120 0.2 18.0 27.0#



Nitrobenzene-d5

Concen: 90.205 ng

RT: 9.098 min Scan# 988

Delta R.T. 0.000 min

Lab File: BM039251.D

Acq: 31 Mar 2023 13:44

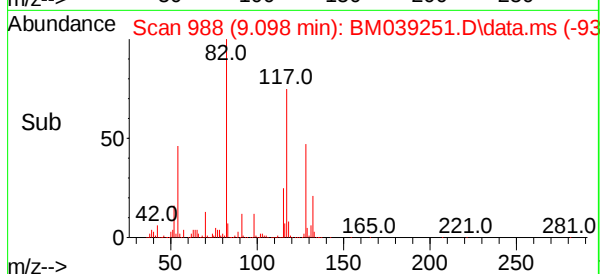
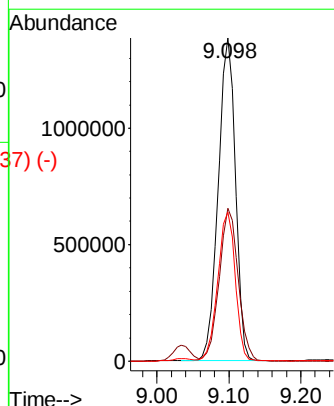
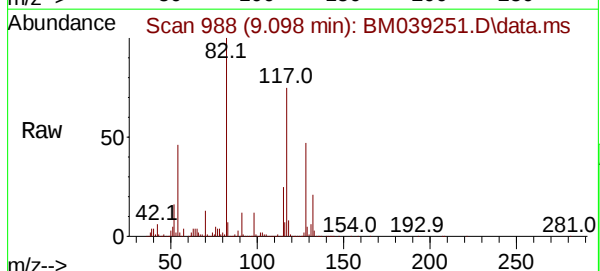
Tgt Ion: 82 Resp: 2303616

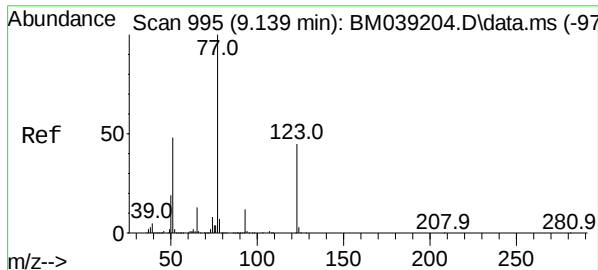
Ion Ratio Lower Upper

82 100

128 47.4 35.1 52.7

54 46.1 38.5 57.7

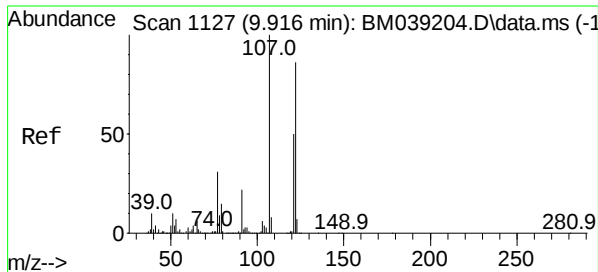
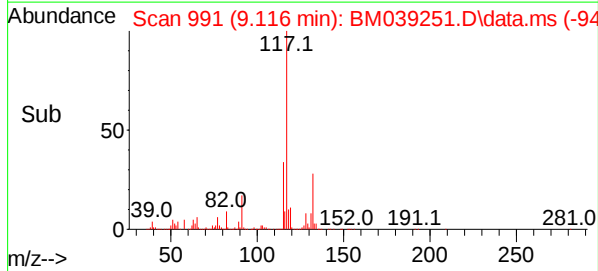
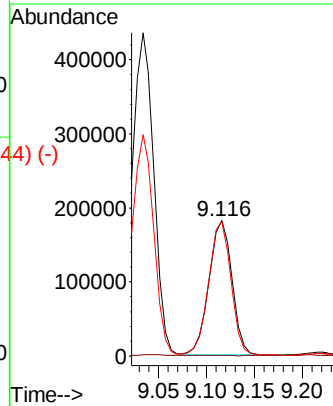
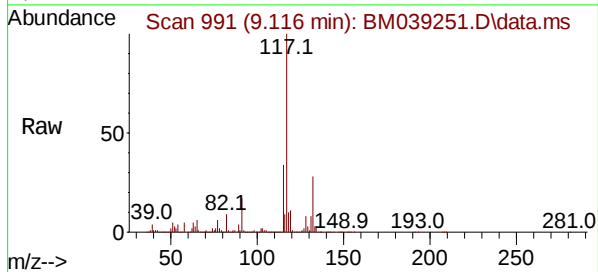




Nitrobenzene
Concen: 11.867 ng
RT: 9.116 min Scan# 1124
Delta R.T. -0.023 min
Lab File: BM039251.D
Acq: 31 Mar 2023 13:44

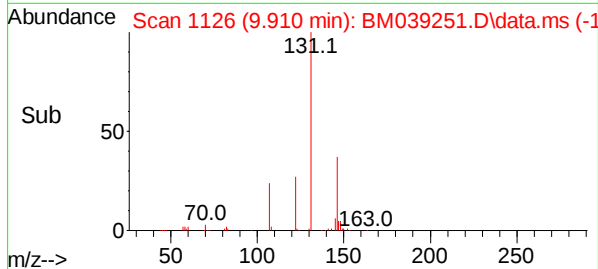
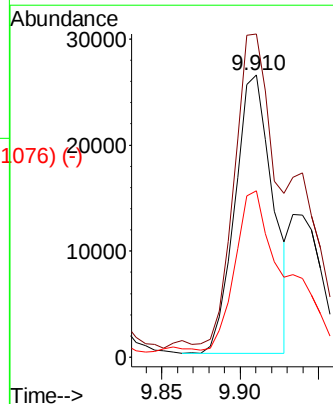
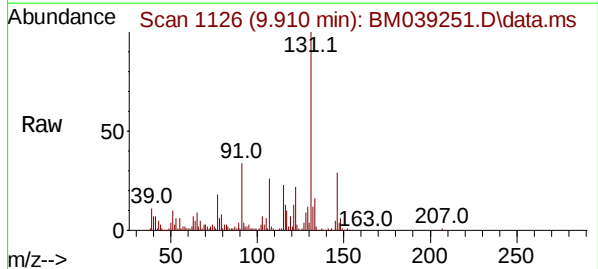
Instrument :
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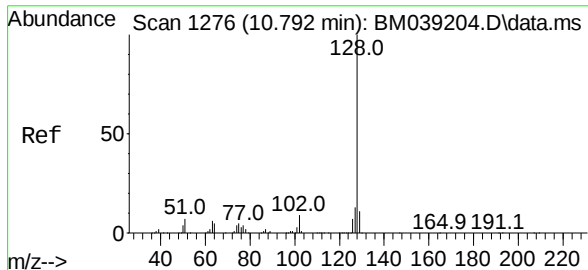
Tgt Ion: 77 Resp: 301444
Ion Ratio Lower Upper
77 100
123 0.3 36.2 54.2#
65 99.2 10.6 15.8#



2,4-Dimethylphenol
Concen: 2.268 ng
RT: 9.910 min Scan# 1126
Delta R.T. -0.006 min
Lab File: BM039251.D
Acq: 31 Mar 2023 13:44

Tgt Ion: 122 Resp: 44246
Ion Ratio Lower Upper
122 100
107 114.6 92.3 138.5
121 58.9 46.3 69.5



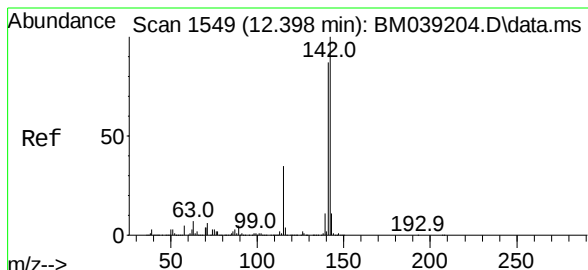
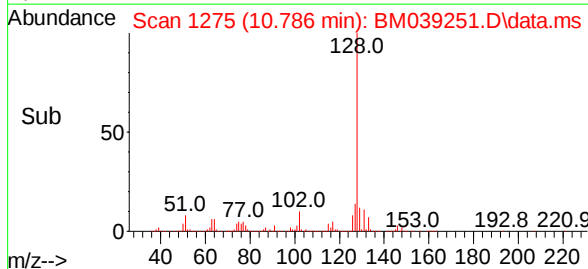
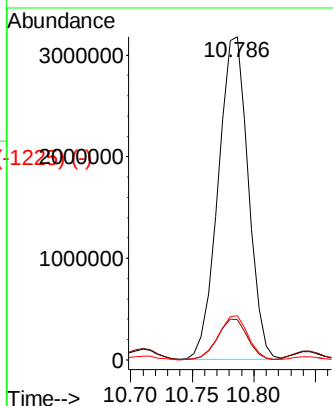
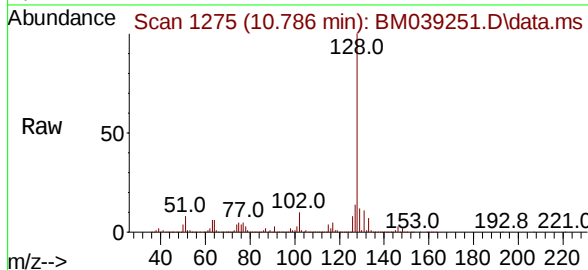


Scan 1276 (10.792 min): BM039204.D\data.ms (-1281) (-)
 Naphthalene
 Concen: 80.923 ng
 RT: 10.786 min Scan# 1275
 Delta R.T. -0.006 min
 Lab File: BM039251.D
 Acq: 31 Mar 2023 13:44

Instrument :
 BNA_M
 ClientSampleId :
 MW-5B

Tgt Ion:128 Resp: 5412080

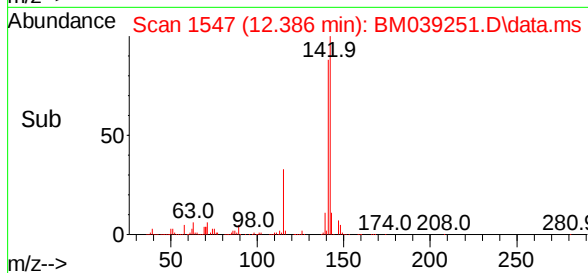
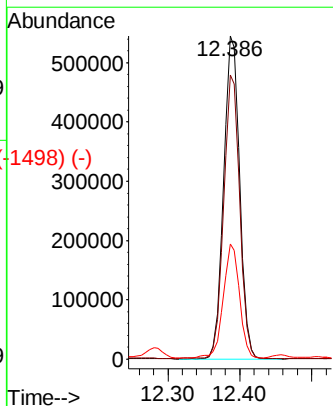
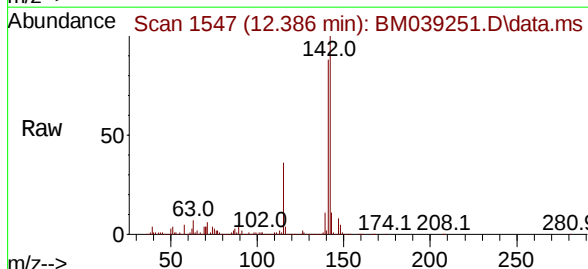
Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.6	13.0
127	13.6	10.3	15.5



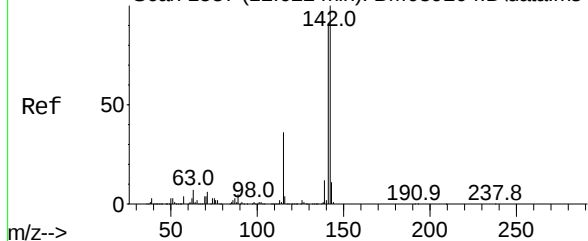
Scan 1549 (12.398 min): BM039204.D\data.ms (-1539) (-)
 2-Methylnaphthalene
 Concen: 18.080 ng
 RT: 12.386 min Scan# 1547
 Delta R.T. -0.012 min
 Lab File: BM039251.D
 Acq: 31 Mar 2023 13:44

Tgt Ion:142 Resp: 841757

Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.8	104.8
115	35.7	27.8	41.8



Abundance Scan 1587 (12.622 min): BM039204.D\data.ms (-1535) (-)



1-Methylnaphthalene

Concen: 51.218 ng

RT: 12.610 min Scan#

Delta R.T. -0.012 min

Lab File: BM039251.D

Acq: 31 Mar 2023 13:44

Instrument :

BNA_M

ClientSampleId :

MW-5B

Tgt Ion:142 Resp: 2232847

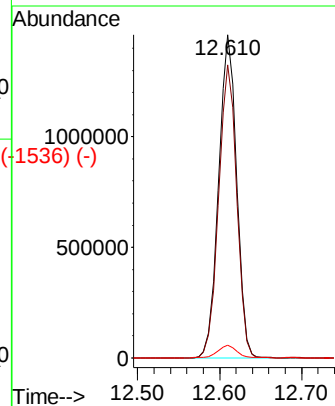
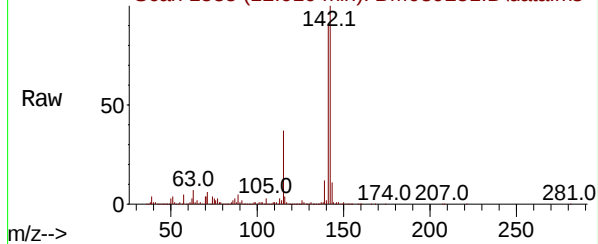
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

142	100		
-----	-----	--	--

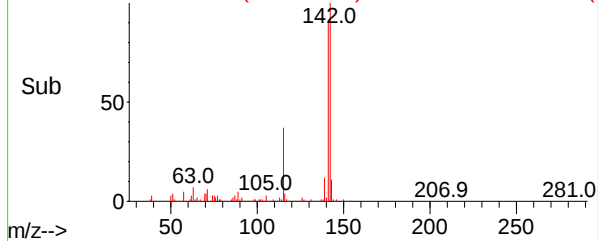
141	90.6	73.2	109.8
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116	3.9	3.0	4.4
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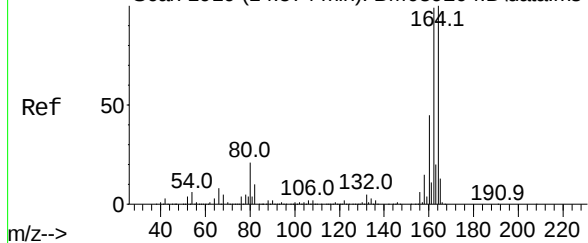
Abundance Scan 1585 (12.610 min): BM039251.D\data.ms



Abundance Scan 1585 (12.610 min): BM039251.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: BM039251.D

Acq: 31 Mar 2023 13:44

Tgt Ion:164 Resp: 750158

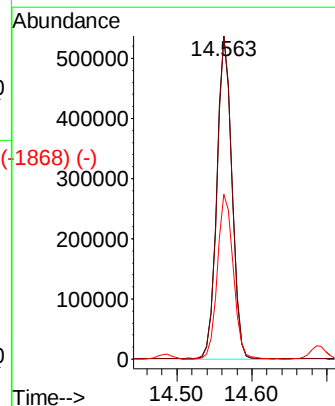
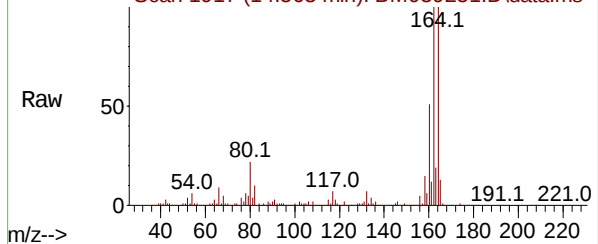
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

164	100		
-----	-----	--	--

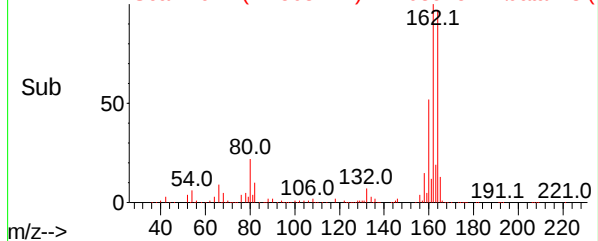
162	100.0	79.1	118.7
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160	51.1	35.8	53.8
-----	------	------	------

Abundance Scan 1917 (14.563 min): BM039251.D\data.ms



Abundance Scan 1917 (14.563 min): BM039251.D\data.ms (-1868) (-)



Abundance Scan 2172 (16.063 min): BM039204.D\data.ms (-1642) (-)

2,4,6-Tribromophenol

Concen: 141.514 ng

RT: 16.057 min Scan# 2171

Delta R.T. -0.006 min

Lab File: BM039251.D

Acq: 31 Mar 2023 13:44

Instrument :

BNA_M

ClientSampleId :

MW-5B

Tgt Ion:330 Resp: 1347571

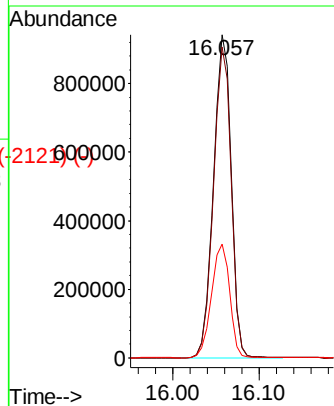
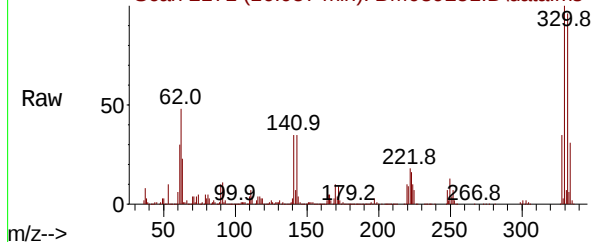
Ion Ratio Lower Upper

330 100

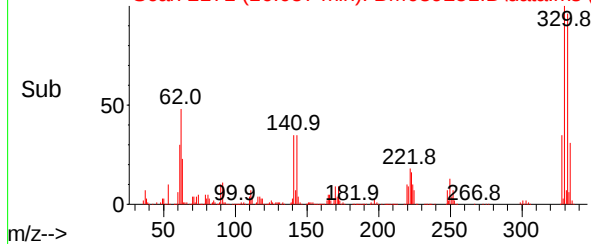
332 96.4 77.4 116.0

141 36.0 29.8 44.6

Abundance Scan 2171 (16.057 min): BM039251.D\data.ms



Abundance Scan 2171 (16.057 min): BM039251.D\data.ms (-21219) (-)



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

2-Fluorobiphenyl

Concen: 86.630 ng

RT: 13.192 min Scan# 1684

Delta R.T. -0.006 min

Lab File: BM039251.D

Acq: 31 Mar 2023 13:44

Tgt Ion:172 Resp: 4796357

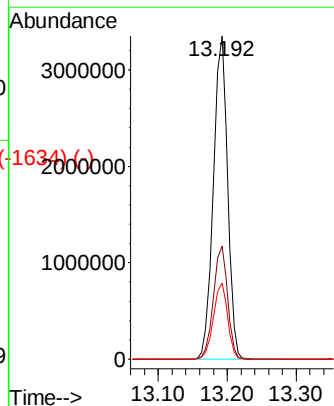
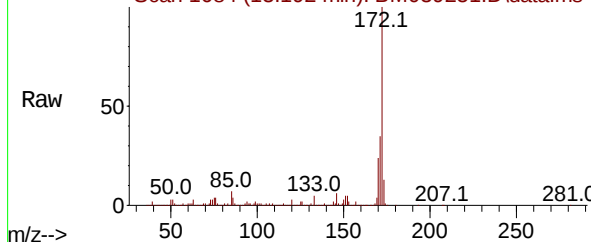
Ion Ratio Lower Upper

172 100

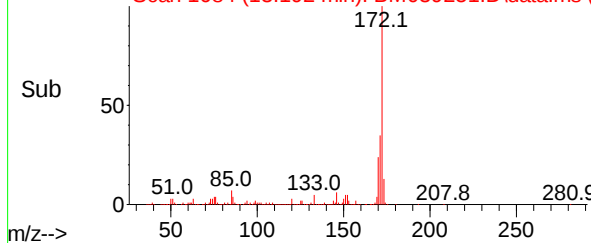
171 35.1 28.0 42.0

170 23.6 18.7 28.1

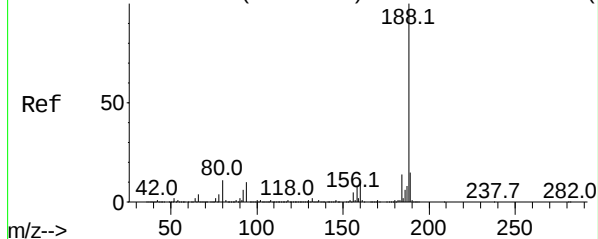
Abundance Scan 1684 (13.192 min): BM039251.D\data.ms



Abundance Scan 1684 (13.192 min): BM039251.D\data.ms (-1634) (-)



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



Phenanthrene-d10

Concen: 20.000 ng

RT: 17.310 min Scan# 2384

Delta R.T. -0.012 min

Lab File: BM039251.D

Acq: 31 Mar 2023 13:44

Instrument :

BNA_M

ClientSampleId :

MW-5B

Tgt Ion:188 Resp: 1607321

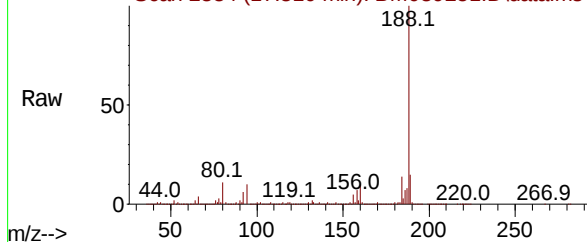
Ion Ratio Lower Upper

188 100

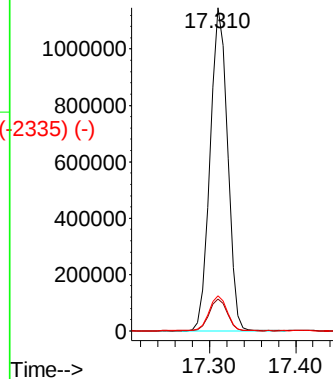
94 10.0 8.2 12.4

80 11.0 8.9 13.3

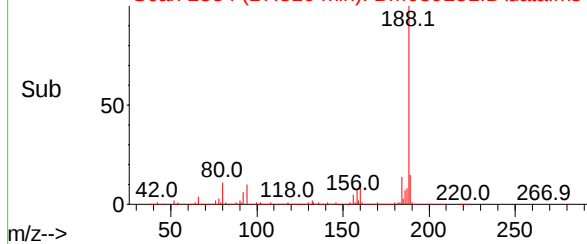
Abundance Scan 2384 (17.310 min): BM039251.D\data.ms



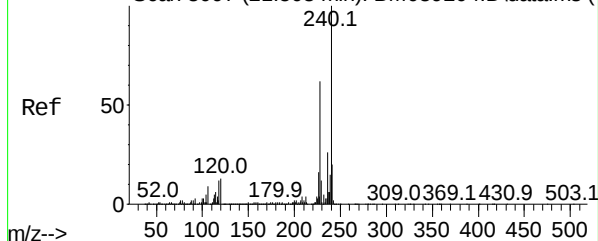
Abundance



Abundance Scan 2384 (17.310 min): BM039251.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: BM039251.D

Acq: 31 Mar 2023 13:44

Tgt Ion:240 Resp: 1536034

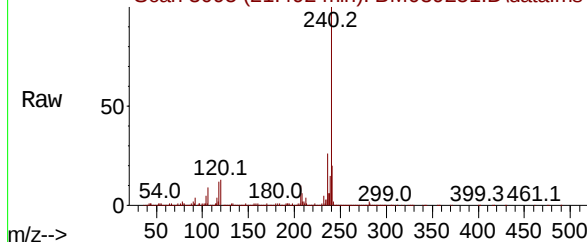
Ion Ratio Lower Upper

240 100

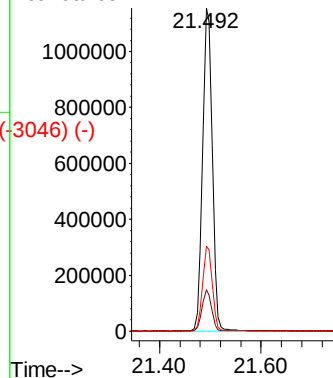
120 13.0 10.2 15.2

236 26.3 20.9 31.3

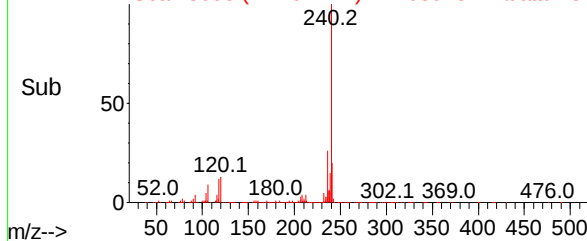
Abundance Scan 3095 (21.492 min): BM039251.D\data.ms

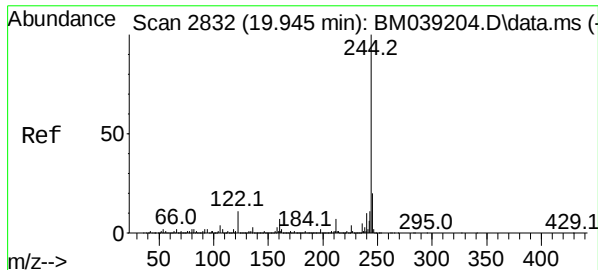


Abundance



Abundance Scan 3095 (21.492 min): BM039251.D\data.ms (-3046) (-)

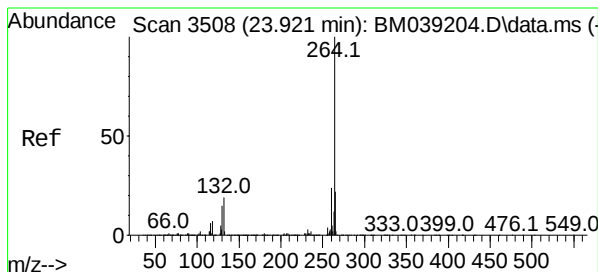
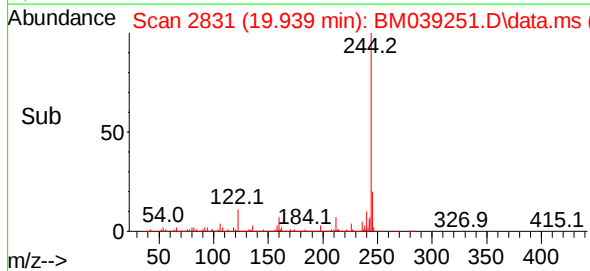
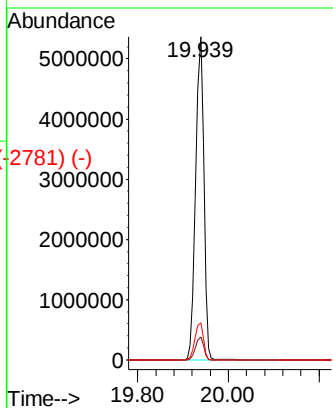
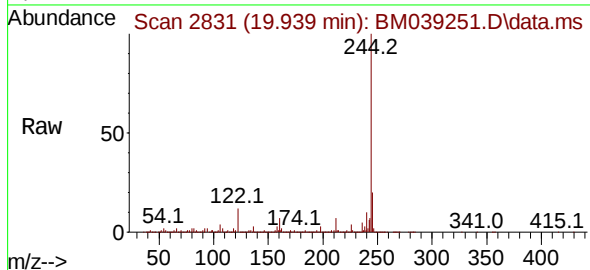




Terphenyl-d14
 Concen: 80.506 ng
 RT: 19.939 min Scan# 2879
 Delta R.T. -0.006 min
 Lab File: BM039251.D
 Acq: 31 Mar 2023 13:44

Instrument :
 BNA_M
 ClientSampleId :
 MW-5B

Tgt Ion:244 Resp: 6693136
 Ion Ratio Lower Upper
 244 100
 212 7.2 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: BM039251.D
 Acq: 31 Mar 2023 13:44

Tgt Ion:264 Resp: 1641975
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 21.9 18.1 27.1

