

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
 Data File : BM039073.D
 Acq On : 21 Mar 2023 17:41
 Operator : CG/JU
 Sample : 02020-41
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FRAC-TANK-A821

Quant Time: Mar 22 03:42:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

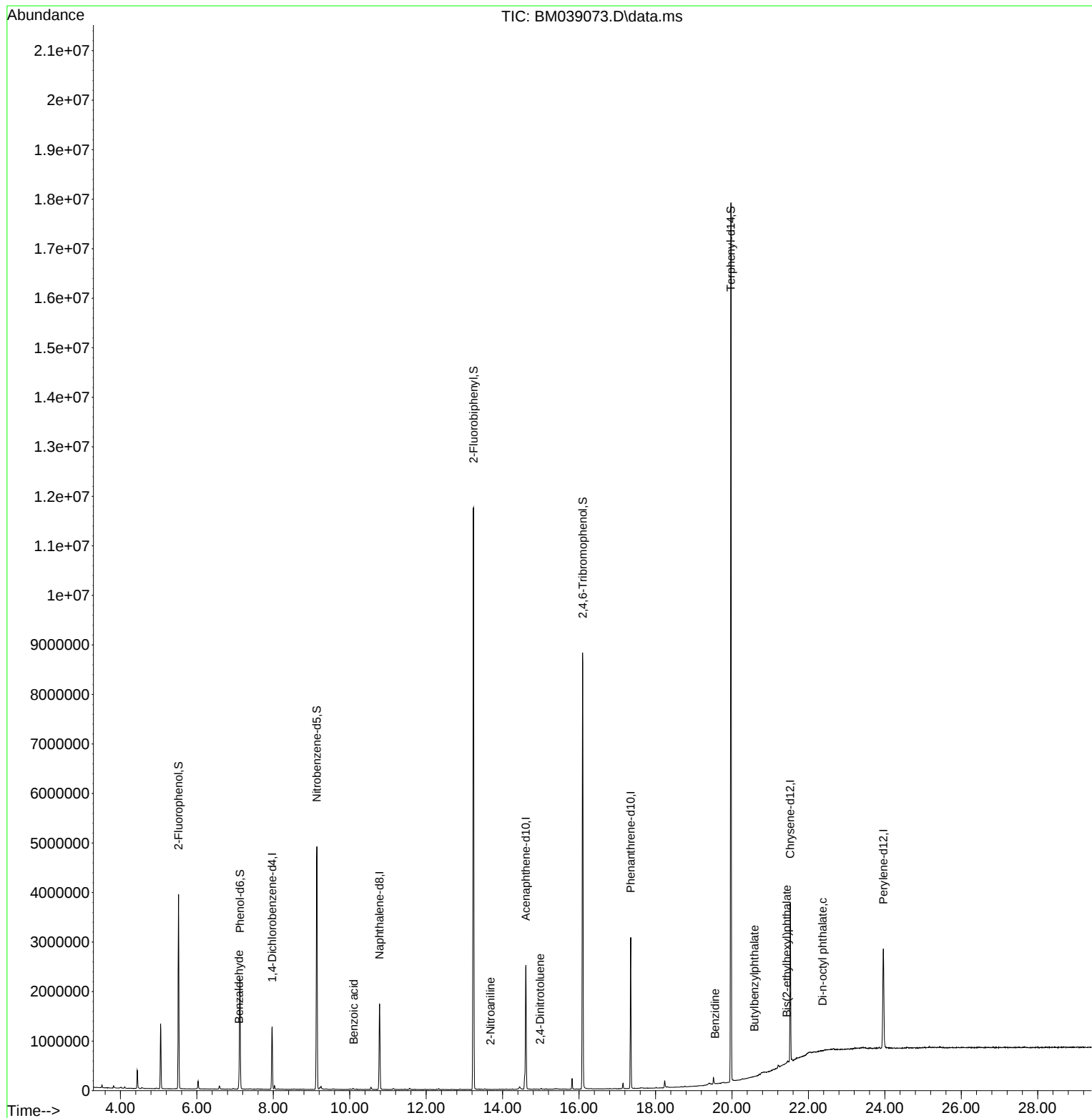
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	336655	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	1386587	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	840016	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1683368	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1444987	20.000	ng	0.00
86) Perylene-d12	23.962	264	1436706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1668132	75.281	ng	0.00
7) Phenol-d6	7.128	99	1311143	45.554	ng	0.00
23) Nitrobenzene-d5	9.139	82	2807118	99.445	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	1531960	157.647	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	6054926	93.835	ng	0.00
79) Terphenyl-d14	19.974	244	8087192	102.327	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.104	77	50028	3.653	ng	98
32) Benzoic acid	10.104	122	297	5.749	ng	# 44
48) 2-Nitroaniline	13.686	65	292	2.232	ng	# 36
57) 2,4-Dinitrotoluene	14.980	165	1028	2.124	ng	# 60
77) Benzidine	19.556	184	104	4.879	ng	# 67
80) Butylbenzylphthalate	20.592	149	577	3.328	ng	93
84) Bis(2-ethylhexyl)phtha...	21.439	149	9003	2.613	ng	96
85) Di-n-octyl phthalate	22.374	149	835	3.803	ng	# 1

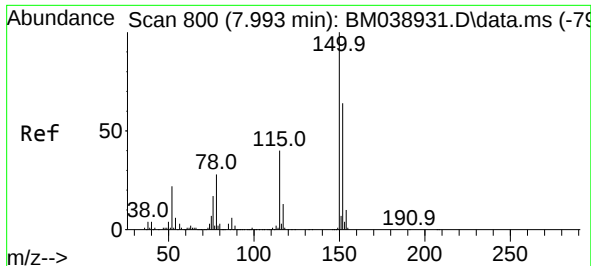
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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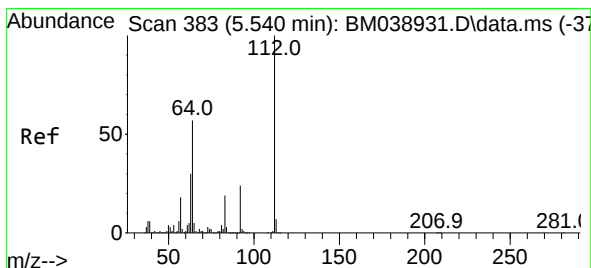
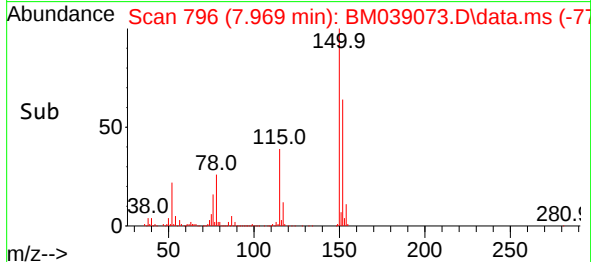
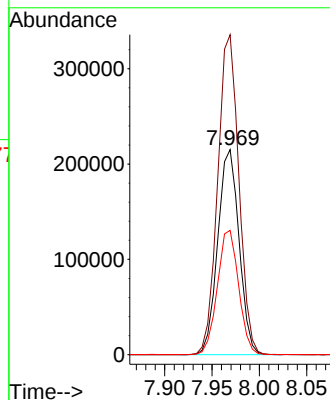
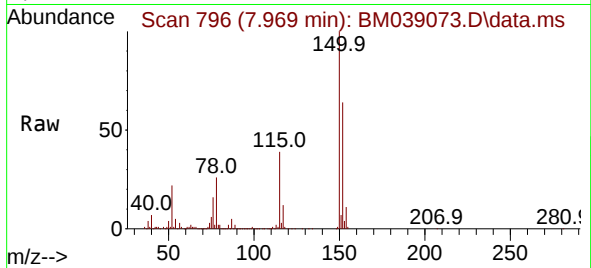




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

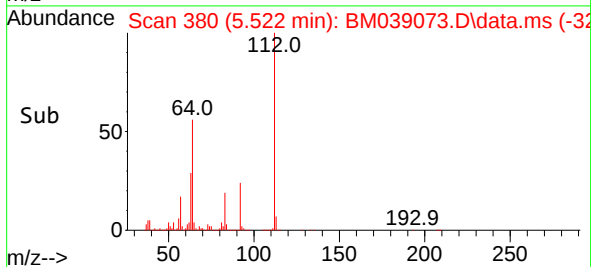
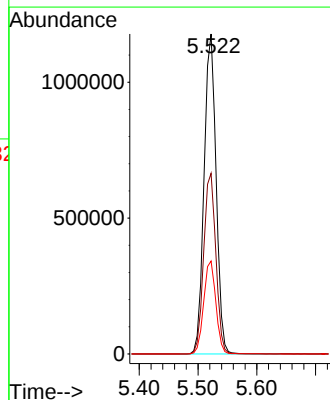
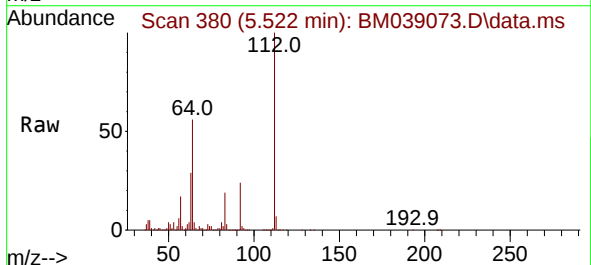
Instrument :
BNA_M
ClientSampleId :
FRAC-TANK-A821

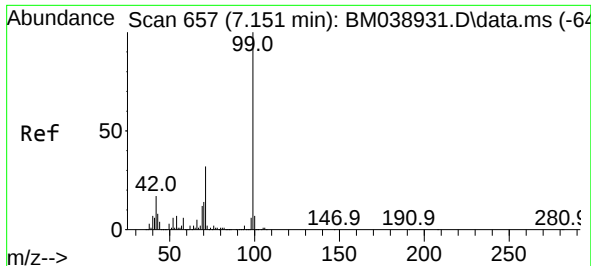
Tgt Ion:152 Resp: 336655
Ion Ratio Lower Upper
152 100
150 156.0 125.1 187.7
115 60.6 49.6 74.4



#5
2-Fluorophenol
Concen: 75.281 ng
RT: 5.522 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

Tgt Ion:112 Resp: 1668132
Ion Ratio Lower Upper
112 100
64 56.5 45.9 68.9
63 29.1 23.8 35.8

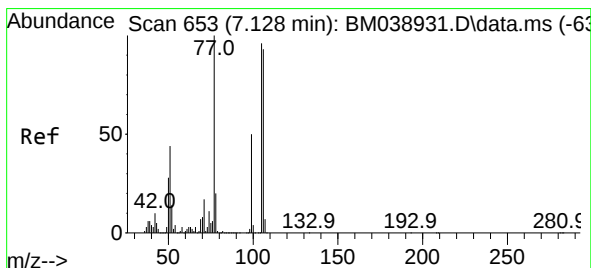
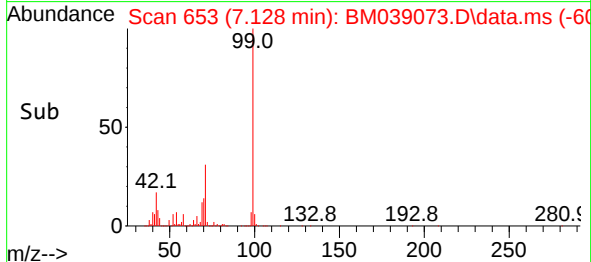
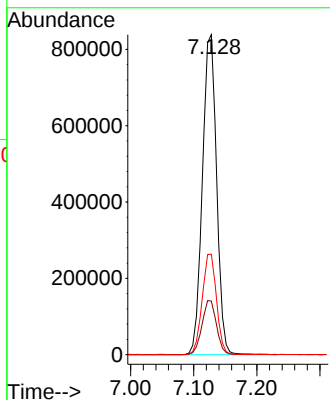
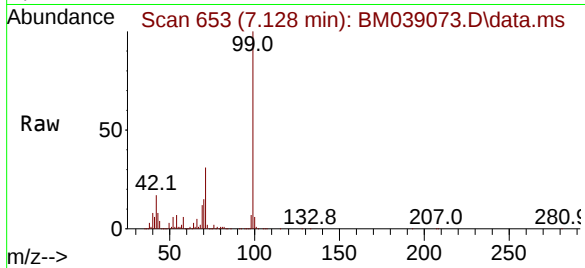




#7
Phenol-d6
Concen: 45.554 ng
RT: 7.128 min Scan# 611
Delta R.T. 0.000 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

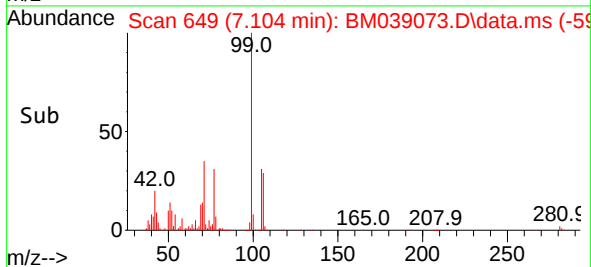
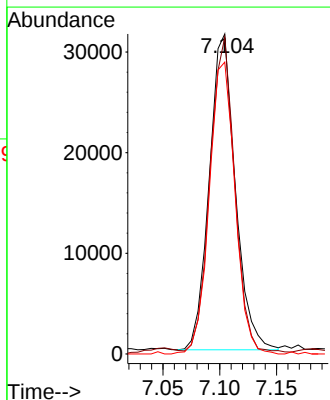
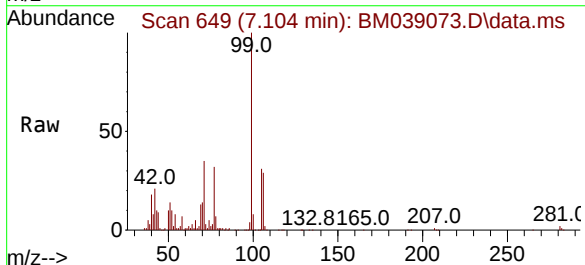
Instrument :
BNA_M
ClientSampleId :
FRAC-TANK-A821

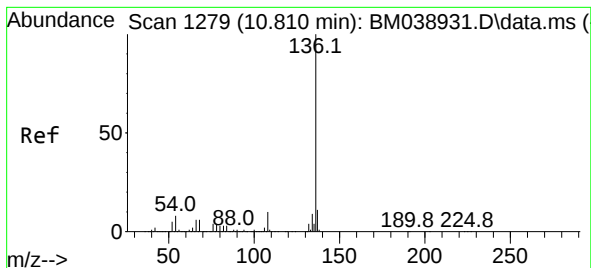
Tgt Ion: 99 Resp: 1311143
Ion Ratio Lower Upper
99 100
42 16.8 13.5 20.3
71 31.4 25.6 38.4



#9
Benzaldehyde
Concen: 3.653 ng
RT: 7.104 min Scan# 649
Delta R.T. 0.000 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

Tgt Ion: 77 Resp: 50028
Ion Ratio Lower Upper
77 100
105 99.0 75.8 115.8
106 91.2 72.6 112.6

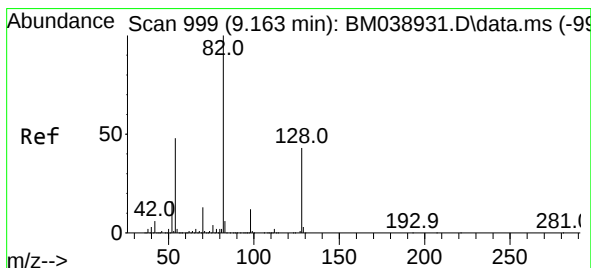
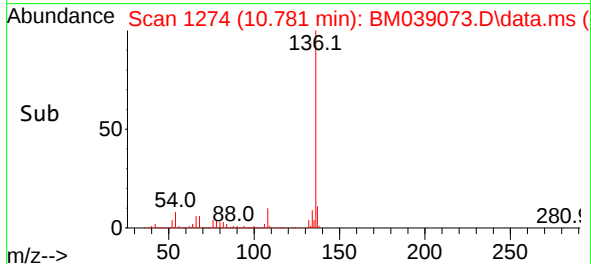
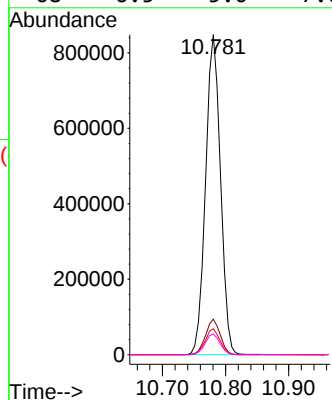
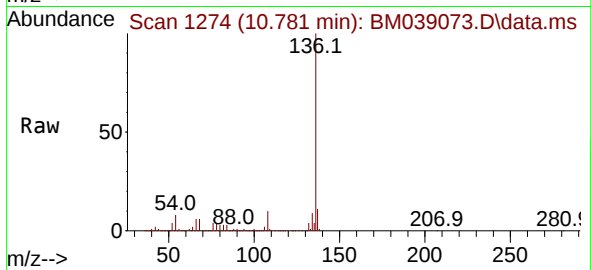




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

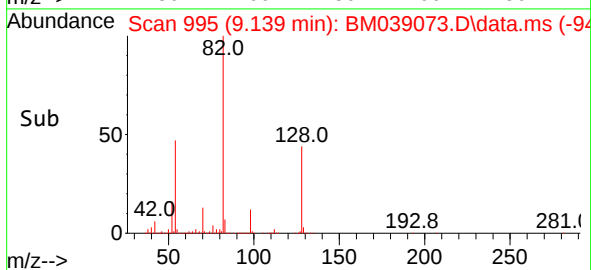
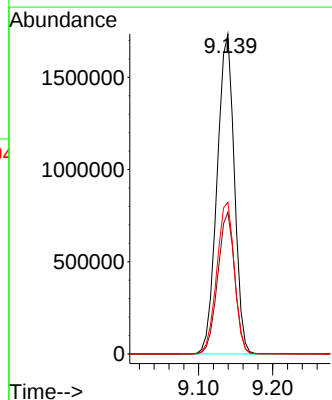
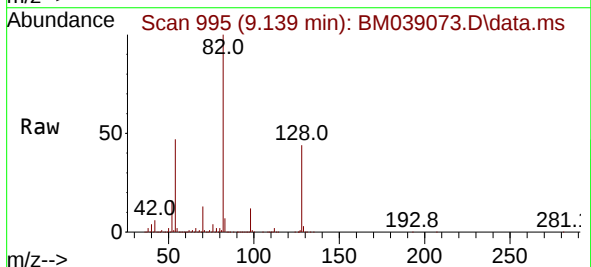
Instrument :
BNA_M
ClientSampleId :
FRAC-TANK-A821

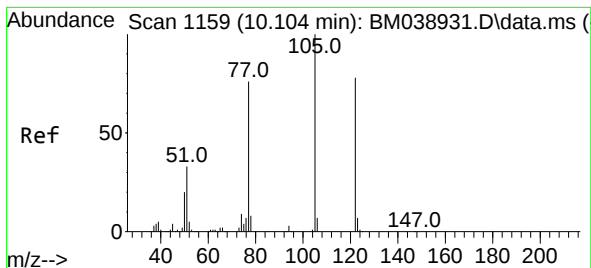
Tgt Ion:136 Resp: 1386587
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.1 6.3 9.5
68 6.5 5.0 7.6



#23
Nitrobenzene-d5
Concen: 99.445 ng
RT: 9.139 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

Tgt Ion: 82 Resp: 2807118
Ion Ratio Lower Upper
82 100
128 44.3 34.4 51.6
54 47.4 38.8 58.2





#32

Benzoic acid

Concen: 5.749 ng

RT: 10.104 min Scan# 1159

Delta R.T. 0.018 min

Lab File: BM039073.D

Acq: 21 Mar 2023 17:41

Instrument :

BNA_M

ClientSampleId :

FRAC-TANK-A821

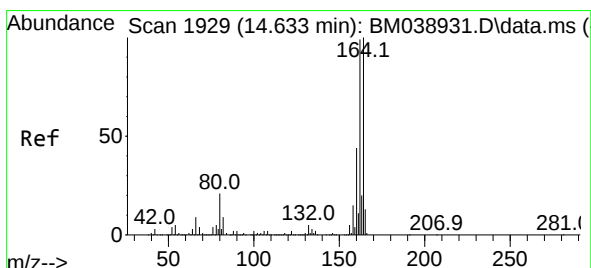
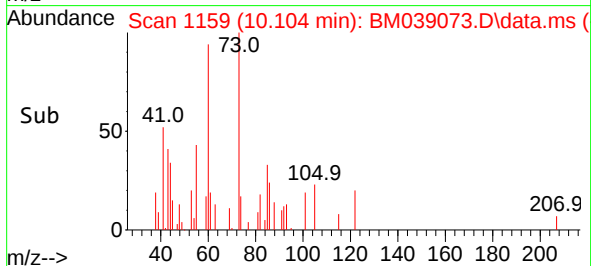
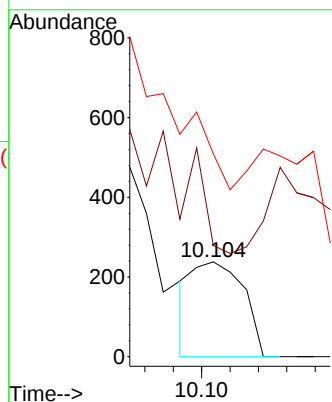
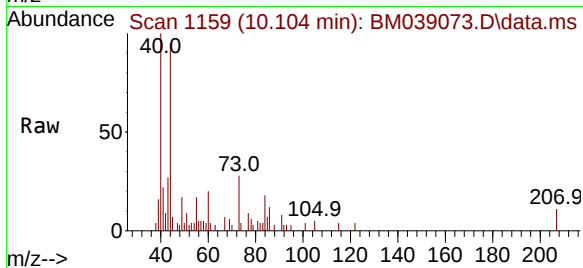
Tgt Ion:122 Resp: 297

Ion Ratio Lower Upper

122 100

105 117.2 104.2 144.2

77 213.9 75.1 115.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.610 min Scan# 1925

Delta R.T. 0.000 min

Lab File: BM039073.D

Acq: 21 Mar 2023 17:41

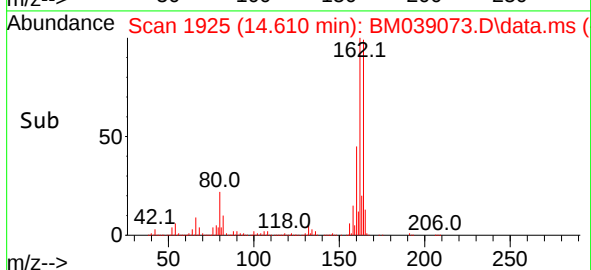
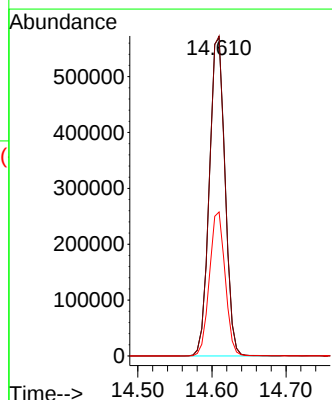
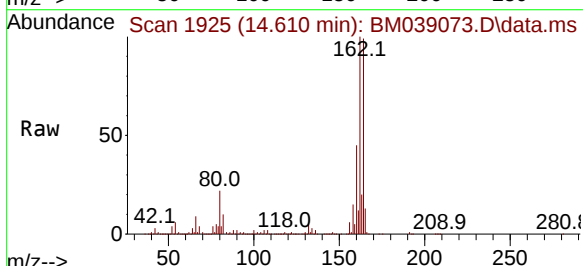
Tgt Ion:164 Resp: 840016

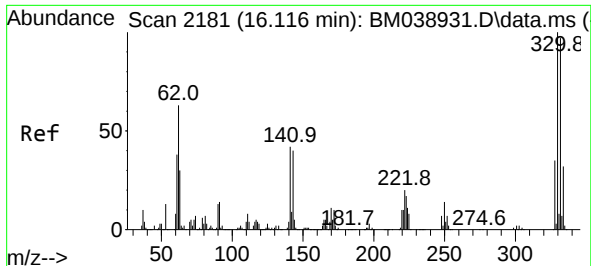
Ion Ratio Lower Upper

164 100

162 100.5 79.2 118.8

160 45.3 35.5 53.3

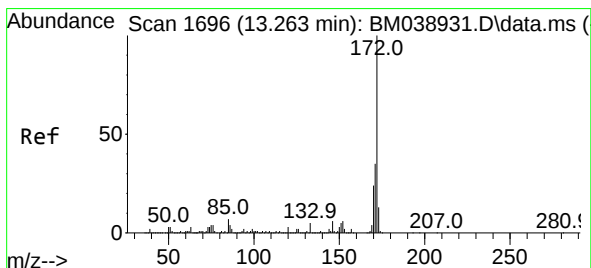
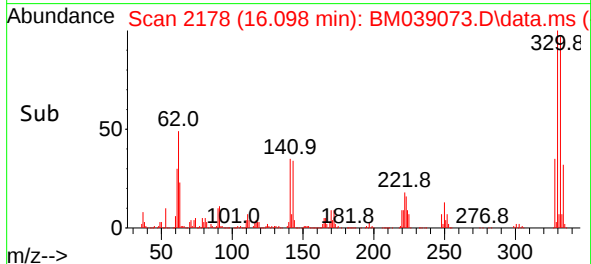
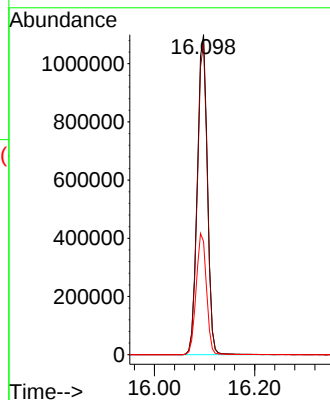
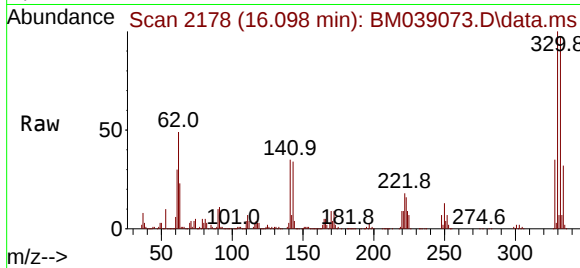




#42
2,4,6-Tribromophenol
Concen: 157.647 ng
RT: 16.098 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

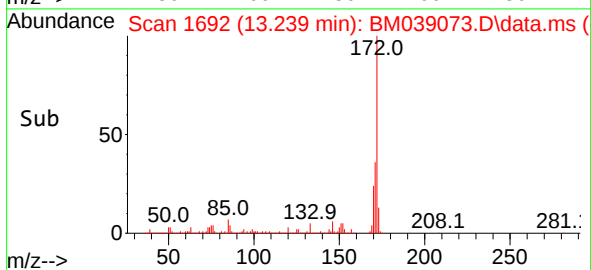
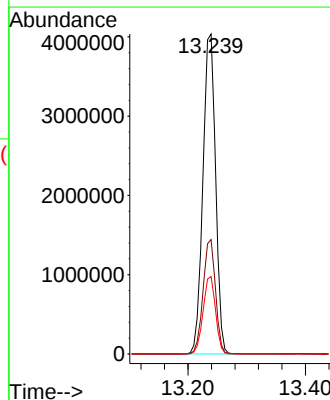
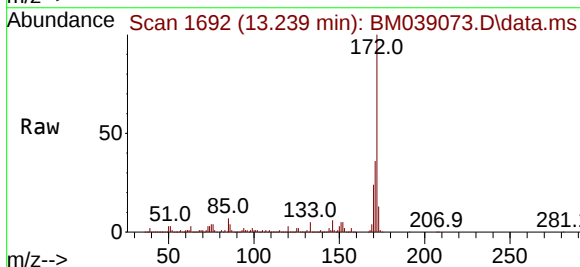
Instrument :
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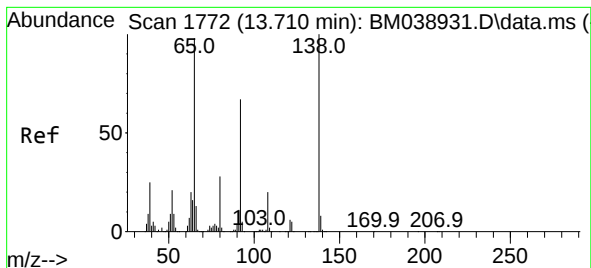
Tgt Ion:330 Resp: 1531960
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 38.7 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 93.835 ng
RT: 13.239 min Scan# 1692
Delta R.T. 0.006 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

Tgt Ion:172 Resp: 6054926
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 24.2 19.1 28.7





#48

2-Nitroaniline

Concen: 2.232 ng

RT: 13.686 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039073.D

Acq: 21 Mar 2023 17:41

Instrument :

BNA_M

ClientSampleId :

FRAC-TANK-A821

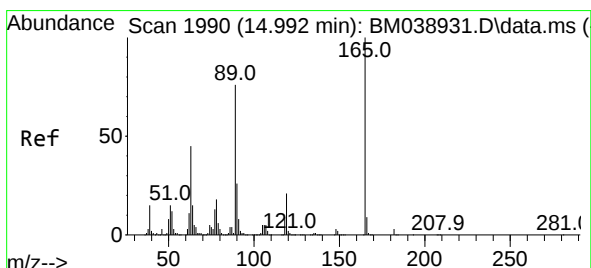
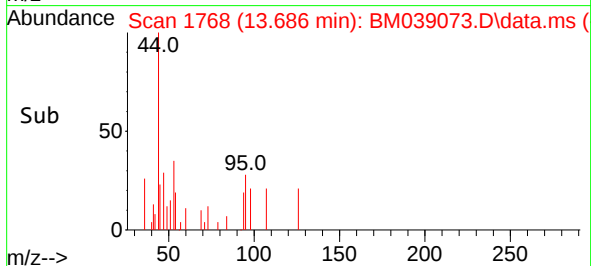
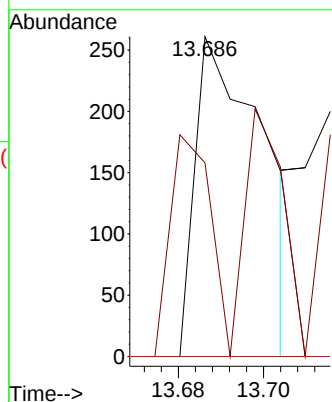
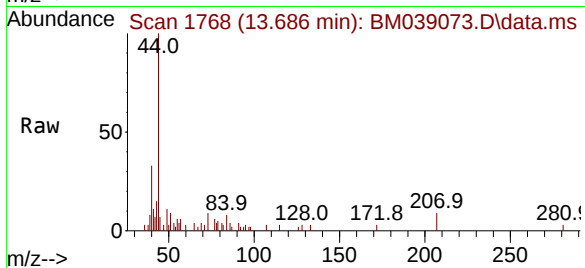
Tgt Ion: 65 Resp: 292

Ion Ratio Lower Upper

65 100

92 60.5 54.9 82.3

138 0.0 81.6 122.4#



#57

2,4-Dinitrotoluene

Concen: 2.124 ng

RT: 14.980 min Scan# 1988

Delta R.T. 0.012 min

Lab File: BM039073.D

Acq: 21 Mar 2023 17:41

Tgt Ion: 165 Resp: 1028

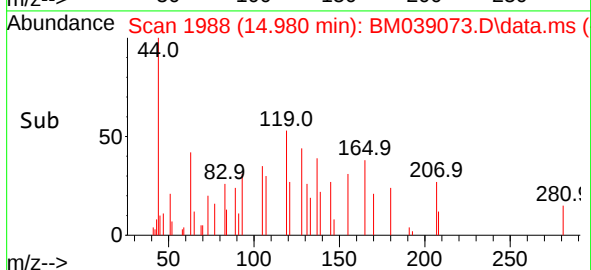
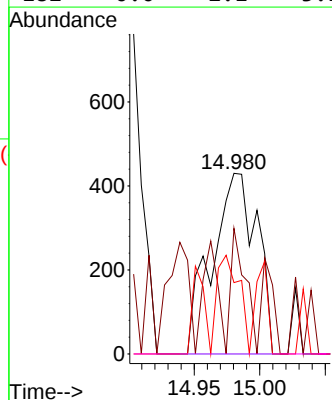
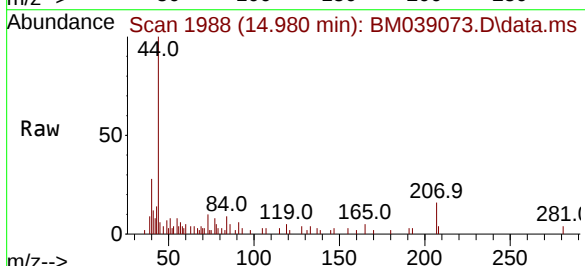
Ion Ratio Lower Upper

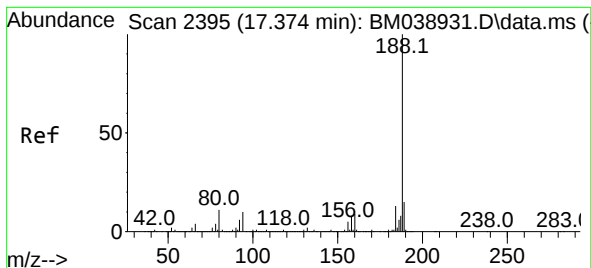
165 100

63 69.5 35.9 53.9#

89 39.5 61.0 91.6#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039073.D

Acq: 21 Mar 2023 17:41

Instrument :

BNA_M

ClientSampleId :

FRAC-TANK-A821

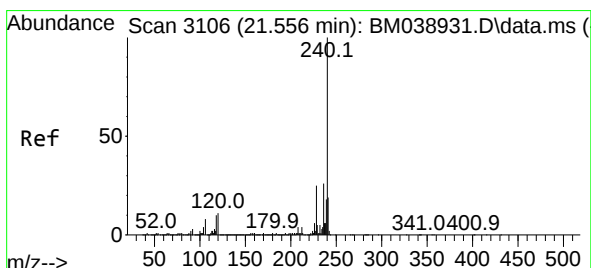
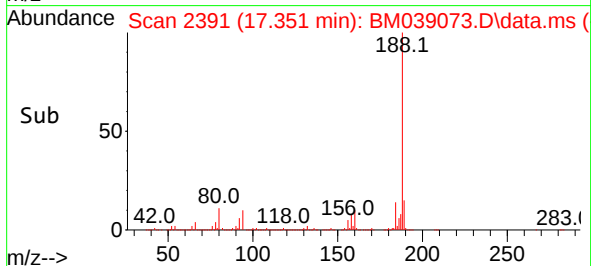
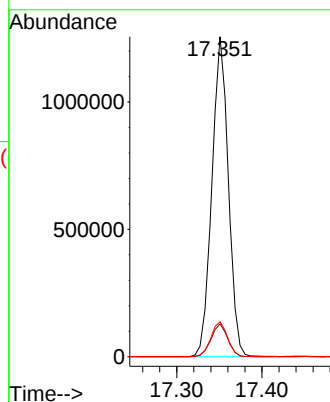
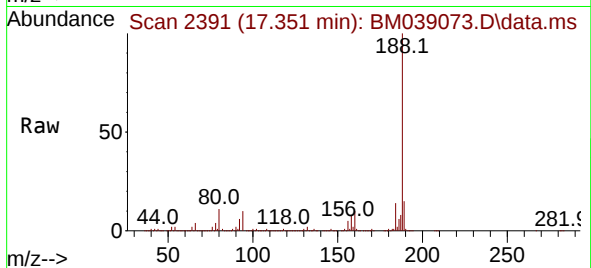
Tgt Ion:188 Resp: 1683368

Ion Ratio Lower Upper

188 100

94 10.2 7.9 11.9

80 11.0 8.5 12.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3101

Delta R.T. -0.006 min

Lab File: BM039073.D

Acq: 21 Mar 2023 17:41

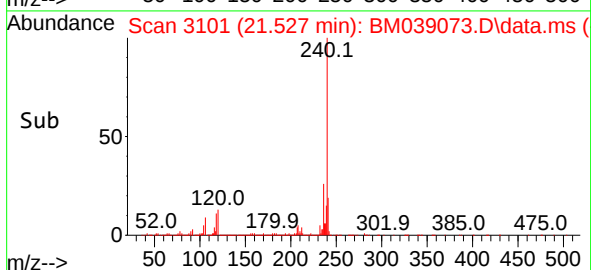
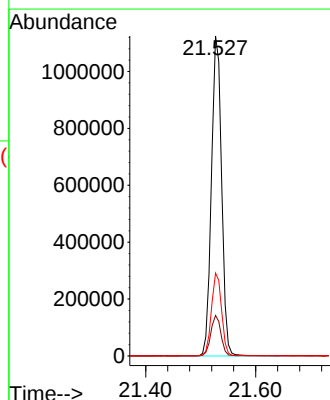
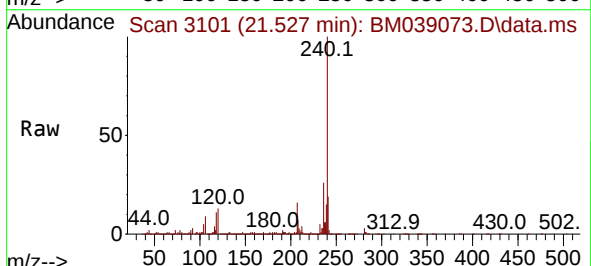
Tgt Ion:240 Resp: 1444987

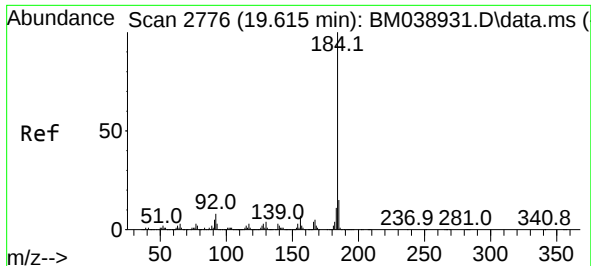
Ion Ratio Lower Upper

240 100

120 12.7 9.2 13.8

236 25.9 20.8 31.2

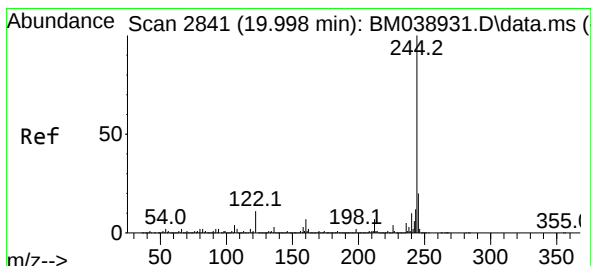
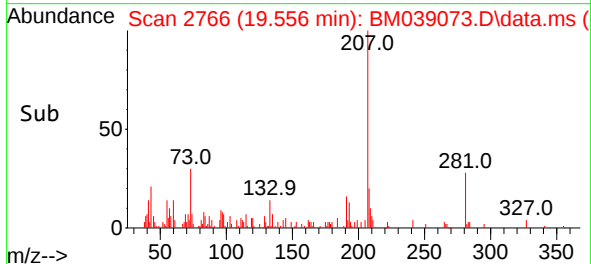
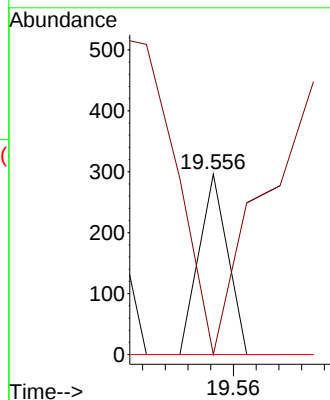
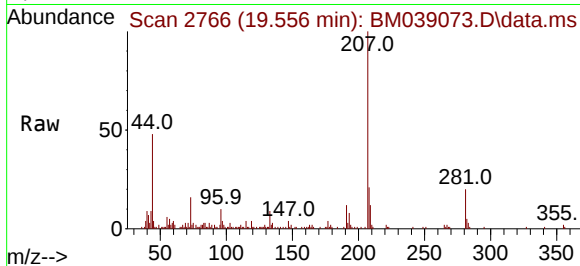




#77
Benzidine
Concen: 4.879 ng
RT: 19.556 min Scan# 21
Delta R.T. -0.035 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

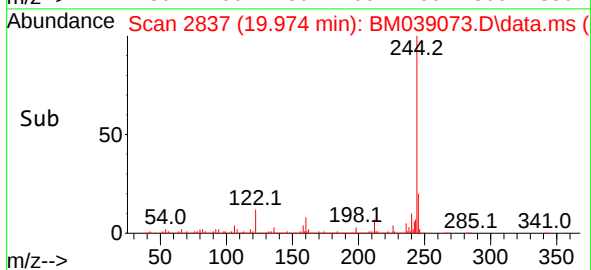
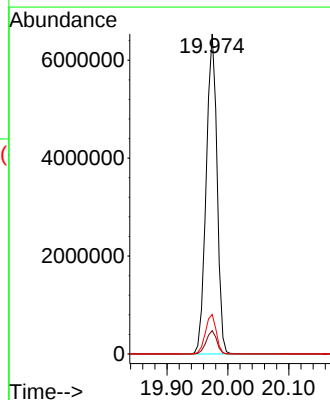
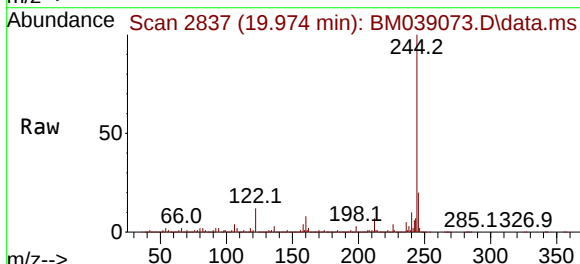
Instrument :
BNA_M
ClientSampleId :
FRAC-TANK-A821

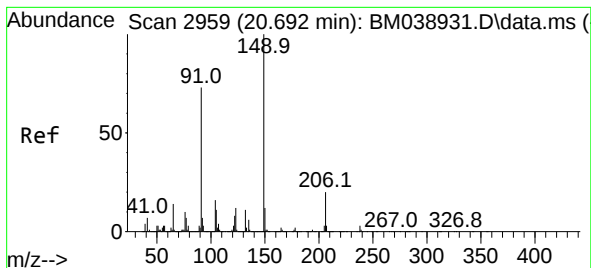
Tgt Ion:184 Resp: 104
Ion Ratio Lower Upper
184 100
185 0.0 12.2 18.4#
183 0.0 8.8 13.2#



#79
Terphenyl-d14
Concen: 102.327 ng
RT: 19.974 min Scan# 2837
Delta R.T. 0.006 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

Tgt Ion:244 Resp: 8087192
Ion Ratio Lower Upper
244 100
212 7.3 5.5 8.3
122 12.4 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.328 ng

RT: 20.592 min Scan# 2959

Delta R.T. -0.071 min

Lab File: BM039073.D

Acq: 21 Mar 2023 17:41

Instrument :

BNA_M

ClientSampleId :

FRAC-TANK-A821

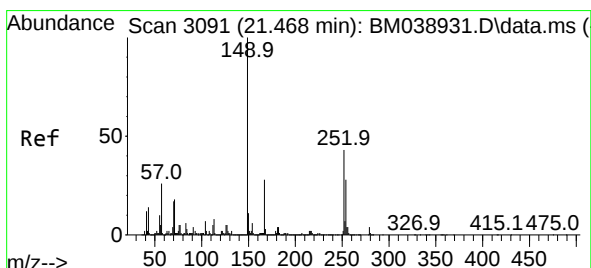
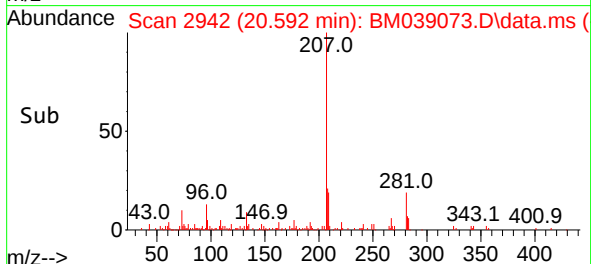
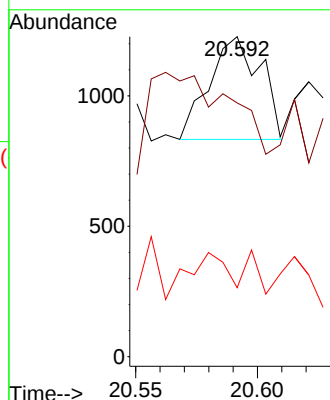
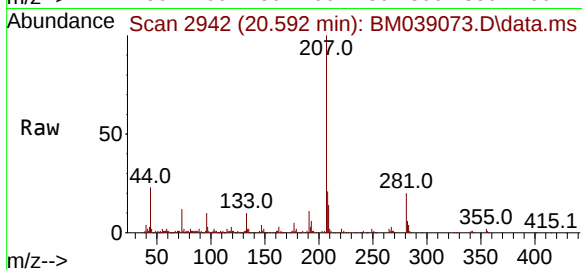
Tgt Ion:149 Resp: 577

Ion Ratio Lower Upper

149 100

91 79.3 58.4 87.6

206 21.5 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.613 ng

RT: 21.439 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM039073.D

Acq: 21 Mar 2023 17:41

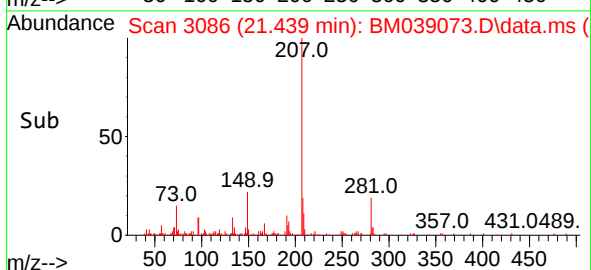
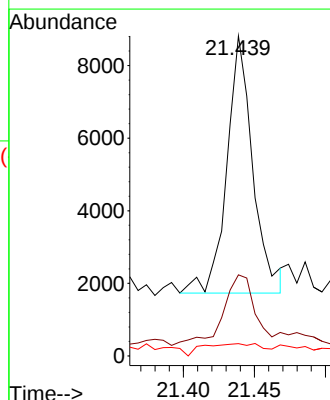
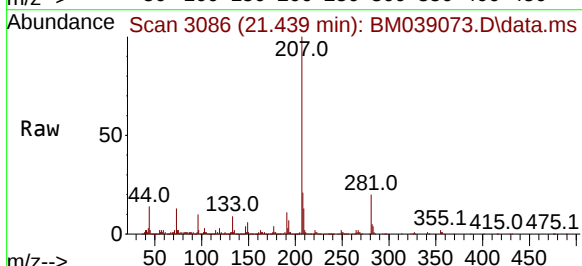
Tgt Ion:149 Resp: 9003

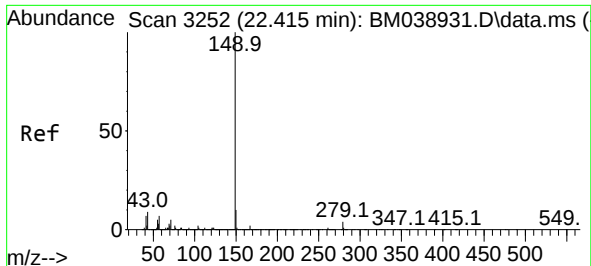
Ion Ratio Lower Upper

149 100

167 25.4 22.3 33.5

279 3.9 3.2 4.8

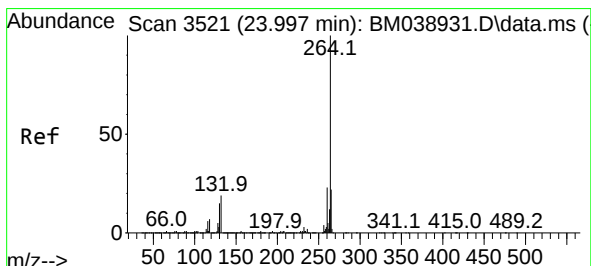
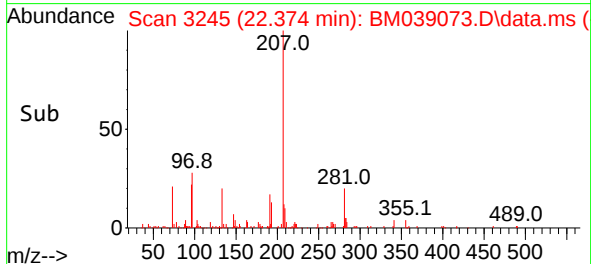
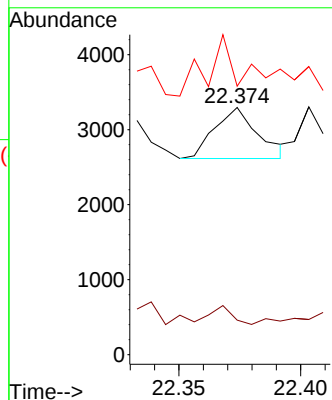
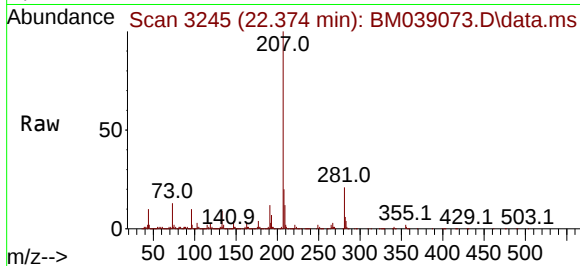




#85
Di-n-octyl phthalate
Concen: 3.803 ng
RT: 22.374 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

Instrument :
BNA_M
ClientSampleId :
FRAC-TANK-A821

Tgt Ion:149 Resp: 835
Ion Ratio Lower Upper
149 100
167 21.0 1.2 1.8#
43 139.6 7.4 11.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 3515
Delta R.T. 0.000 min
Lab File: BM039073.D
Acq: 21 Mar 2023 17:41

Tgt Ion:264 Resp: 1436706
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.9 17.9 26.9

