

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032423\
 Data File : BM039143.D
 Acq On : 24 Mar 2023 15:57
 Operator : CG/JU
 Sample : 01947-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 R-PIT

Quant Time: Mar 25 01:05:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 24 15:04:20 2023
 Response via : Initial Calibration

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

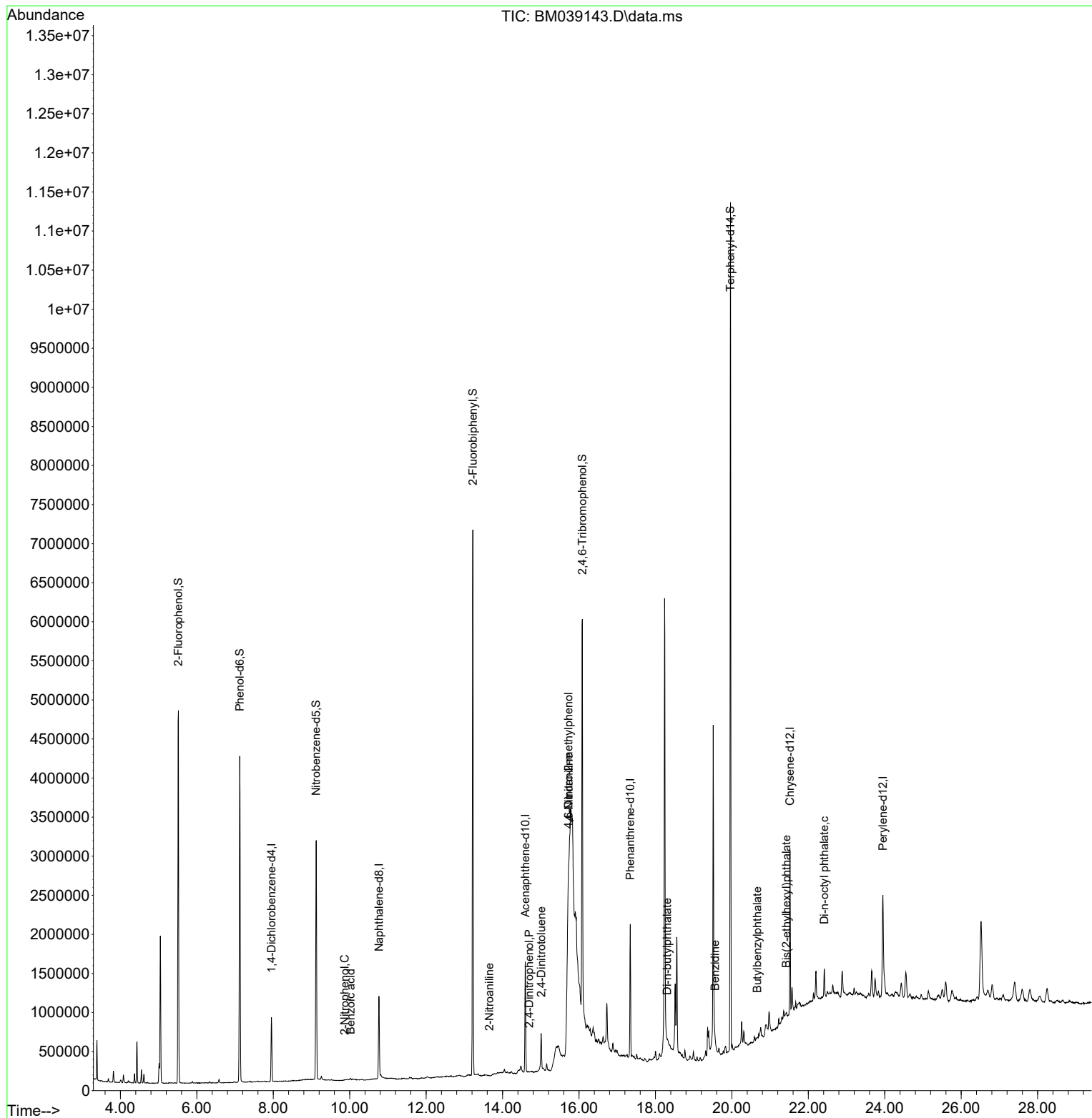
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	218030	20.000	ng	0.00
21) Naphthalene-d8	10.763	136	848851	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	469143	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	954582	20.000	ng	0.00
76) Chrysene-d12	21.521	240	895046	20.000	ng	0.00
86) Perylene-d12	23.951	264	923726	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	2096933	146.120	ng	0.01
7) Phenol-d6	7.122	99	2415442	129.582	ng	0.00
23) Nitrobenzene-d5	9.122	82	1727467	99.964	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	932393	171.799	ng	0.00
45) 2-Fluorobiphenyl	13.222	172	3475043	96.427	ng	0.00
79) Terphenyl-d14	19.963	244	4947461	101.063	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.869	139	116	3.004	ng	# 1
32) Benzoic acid	10.022	122	7051	6.344	ng	94
48) 2-Nitroaniline	13.651	65	402	2.255	ng	# 49
54) 2,4-Dinitrophenol	14.692	184	69	5.205	ng	# 1
57) 2,4-Dinitrotoluene	15.016	165	1557	2.213	ng	# 69
62) 4-Nitroaniline	15.727	138	6663	2.424	ng	82
65) 4,6-Dinitro-2-methylph...	15.722	198	292	5.130	ng	# 1
74) Di-n-butylphthalate	18.310	149	13082	2.001	ng	# 84
77) Benzidine	19.557	184	355	4.892	ng	# 1
80) Butylbenzylphthalate	20.662	149	368	3.328	ng	# 33
84) Bis(2-ethylhexyl)phtha...	21.427	149	18540	2.910	ng	# 92
85) Di-n-octyl phthalate	22.415	149	47476	4.434	ng	# 45

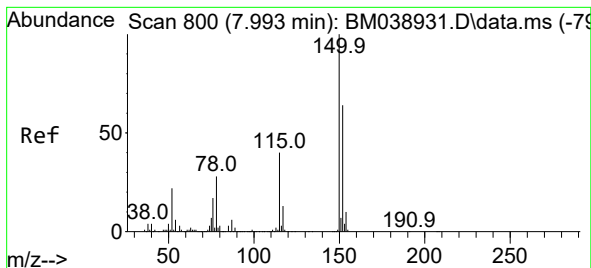
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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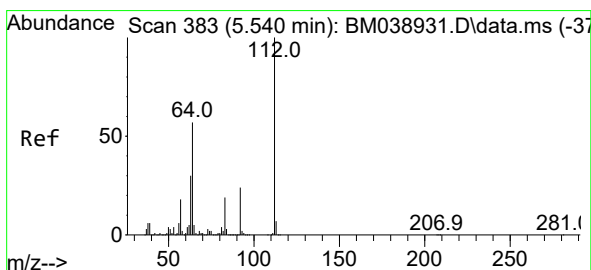
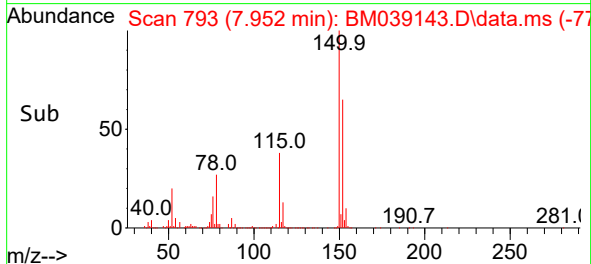
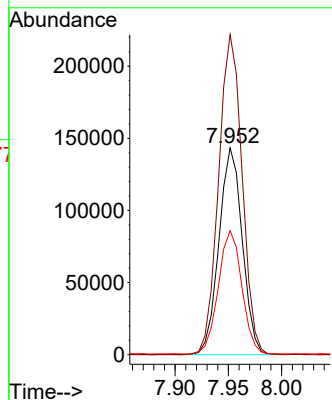
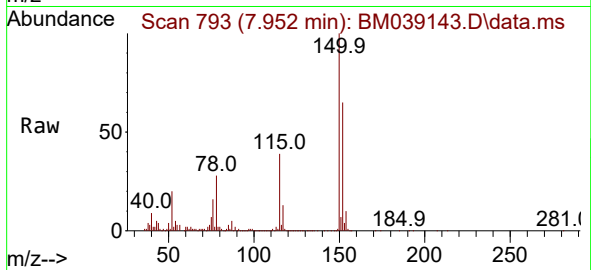




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 79
Delta R.T. 0.001 min
Lab File: BM039143.D
Acq: 24 Mar 2023 15:57

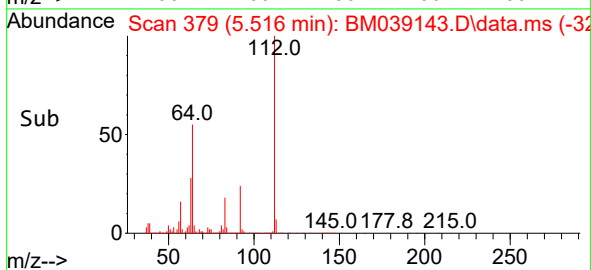
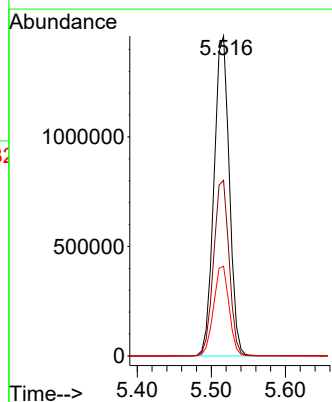
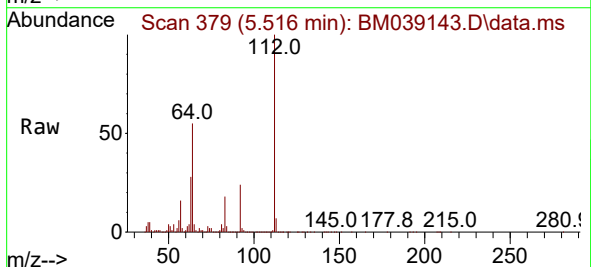
Instrument :
BNA_M
ClientSampleId :
R-PIT

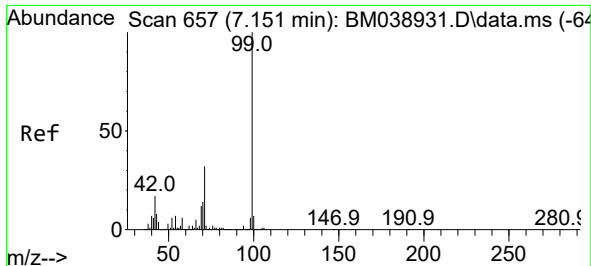
Tgt Ion:152 Resp: 218030
Ion Ratio Lower Upper
152 100
150 154.7 125.1 187.7
115 60.0 49.6 74.4



#5
2-Fluorophenol
Concen: 146.120 ng
RT: 5.516 min Scan# 379
Delta R.T. 0.012 min
Lab File: BM039143.D
Acq: 24 Mar 2023 15:57

Tgt Ion:112 Resp: 2096933
Ion Ratio Lower Upper
112 100
64 54.9 45.9 68.9
63 28.0 23.8 35.8

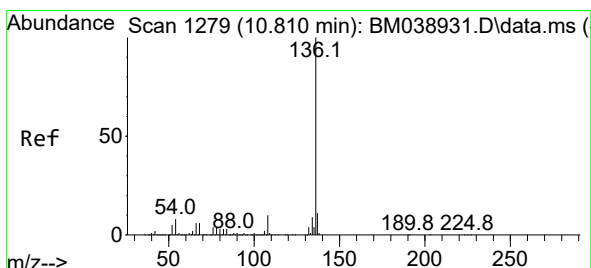
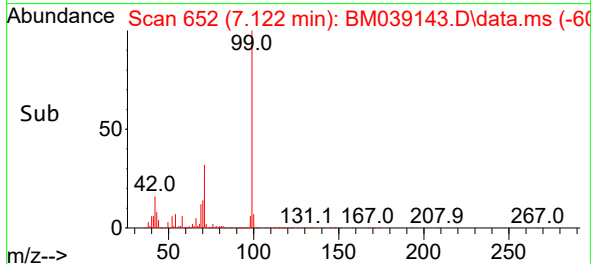
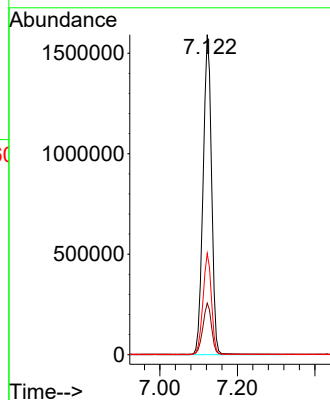
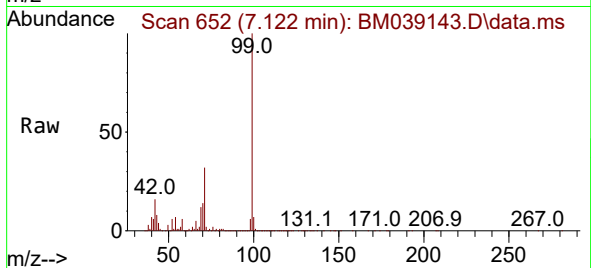




#7
Phenol-d6
Concen: 129.582 ng
RT: 7.122 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039143.D
Acq: 24 Mar 2023 15:57

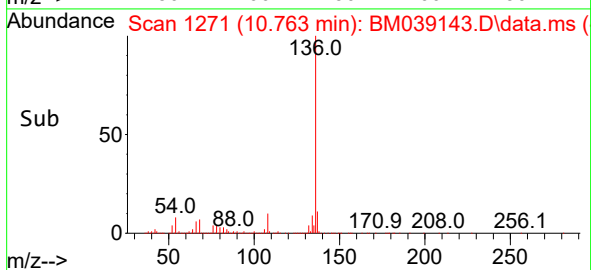
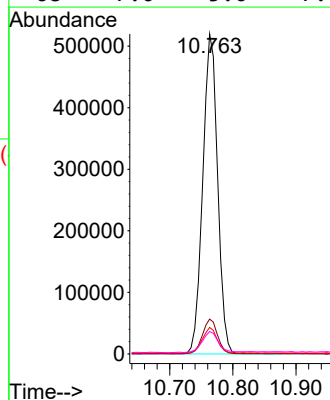
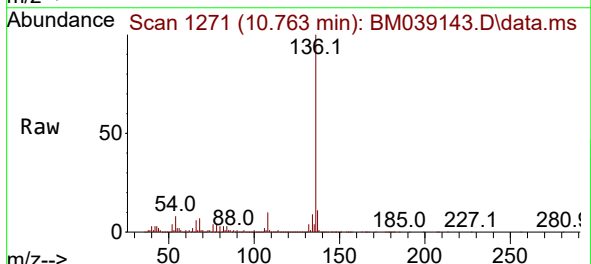
Instrument :
BNA_M
ClientSampleId :
R-PIT

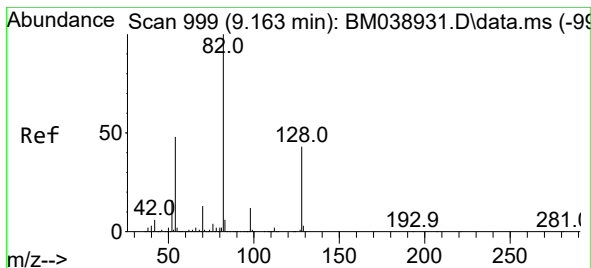
Tgt Ion: 99 Resp: 2415442
Ion Ratio Lower Upper
99 100
42 16.1 13.5 20.3
71 31.7 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BM039143.D
Acq: 24 Mar 2023 15:57

Tgt Ion: 136 Resp: 848851
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.3 6.3 9.5
68 7.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 99.964 ng

RT: 9.122 min Scan# 999

Delta R.T. 0.000 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

Instrument :

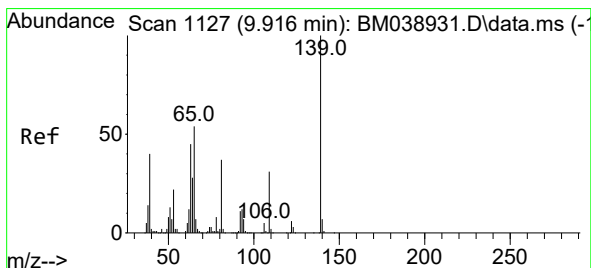
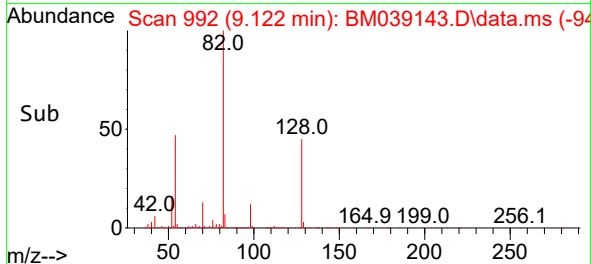
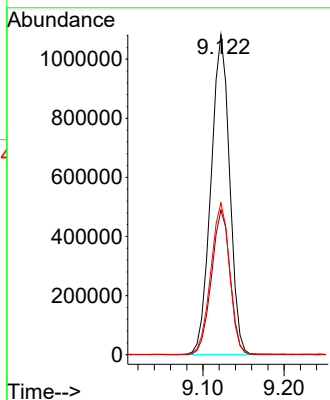
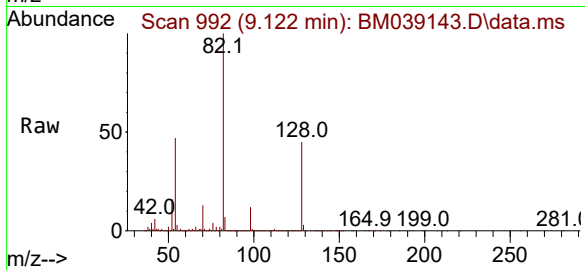
BNA_M

ClientSampleId :

R-PIT

Tgt Ion: 82 Resp: 1727467

Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.4	51.6
54	47.5	38.8	58.2



#26

2-Nitrophenol

Concen: 3.004 ng

RT: 9.869 min Scan# 1119

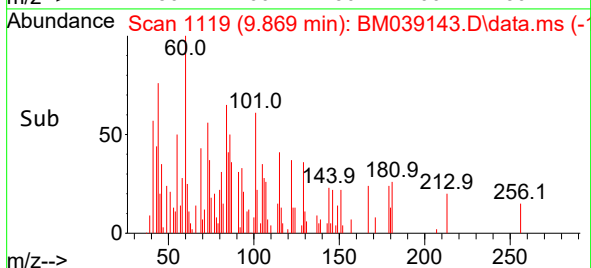
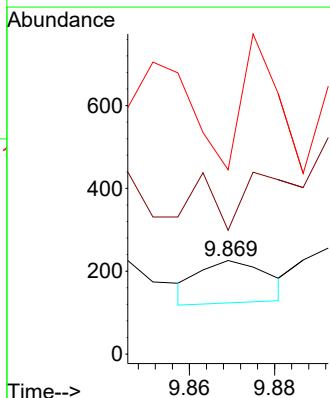
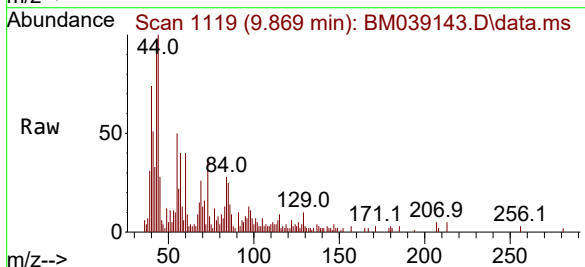
Delta R.T. -0.011 min

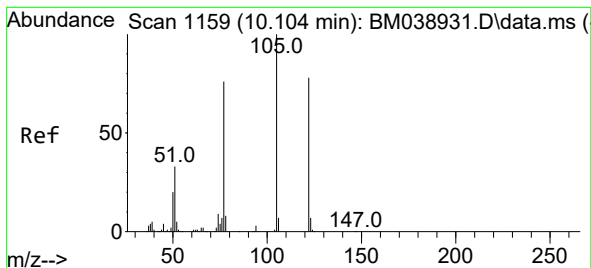
Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

Tgt Ion:139 Resp: 116

Ion	Ratio	Lower	Upper
139	100		
109	132.3	24.5	36.7#
65	196.9	43.0	64.6#





#32

Benzoic acid

Concen: 6.344 ng

RT: 10.022 min Scan# 1145

Delta R.T. -0.070 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

Instrument :

BNA_M

ClientSampleId :

R-PIT

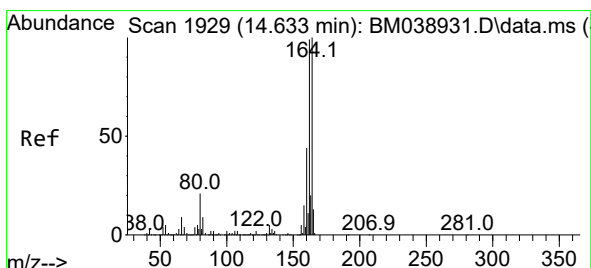
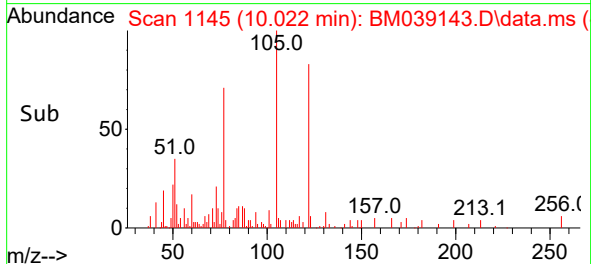
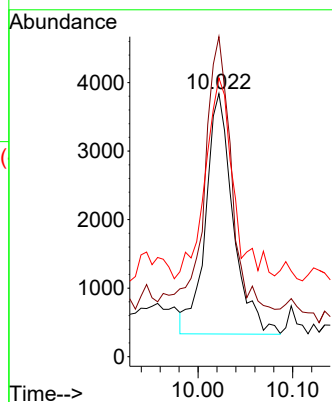
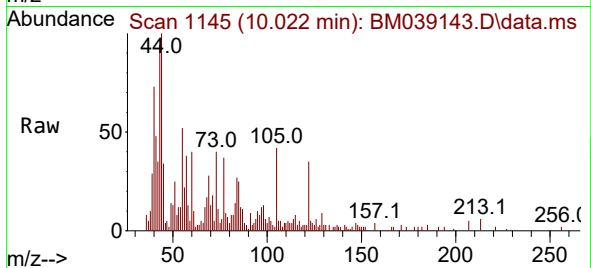
Tgt Ion:122 Resp: 7051

Ion Ratio Lower Upper

122 100

105 121.6 104.2 144.2

77 105.9 75.1 115.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.592 min Scan# 1922

Delta R.T. -0.006 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

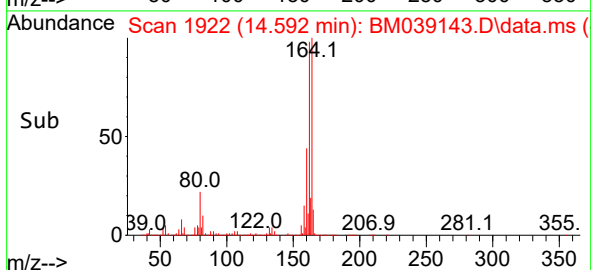
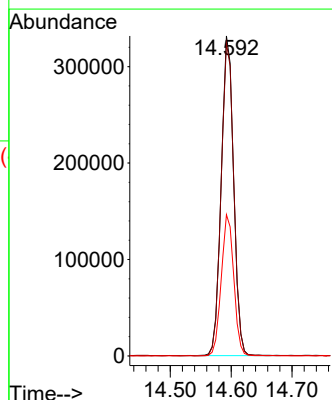
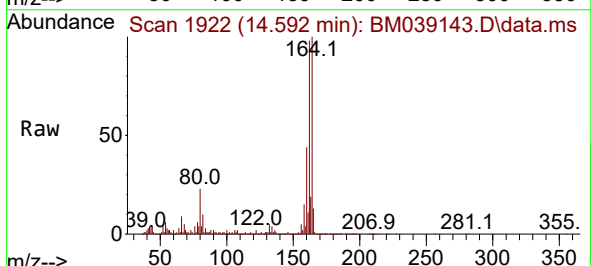
Tgt Ion:164 Resp: 469143

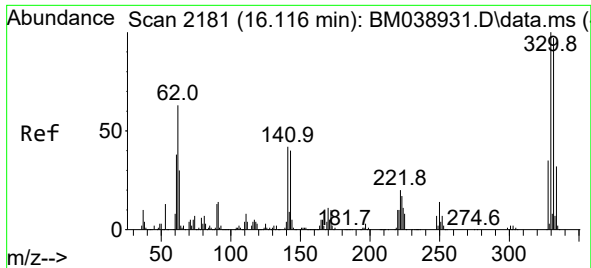
Ion Ratio Lower Upper

164 100

162 97.7 79.2 118.8

160 44.2 35.5 53.3

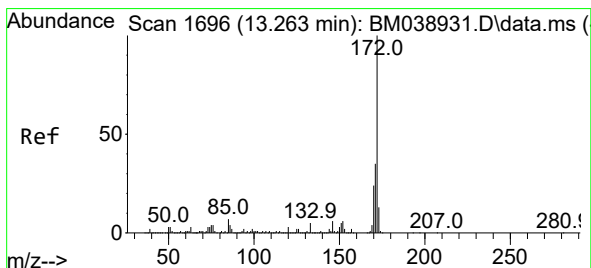
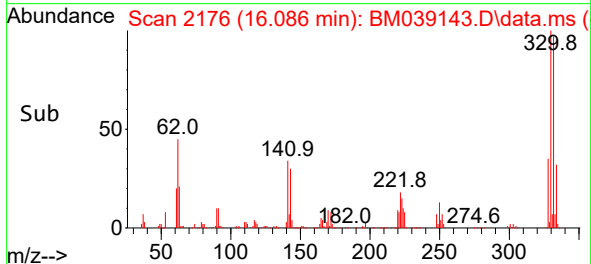
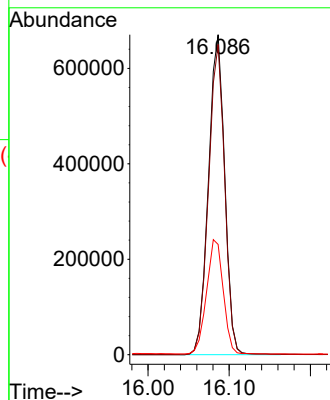
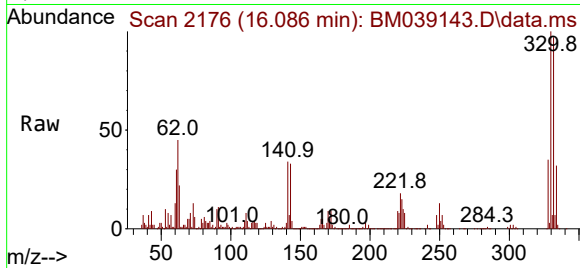




#42
2,4,6-Tribromophenol
Concen: 171.799 ng
RT: 16.086 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BM039143.D
Acq: 24 Mar 2023 15:57

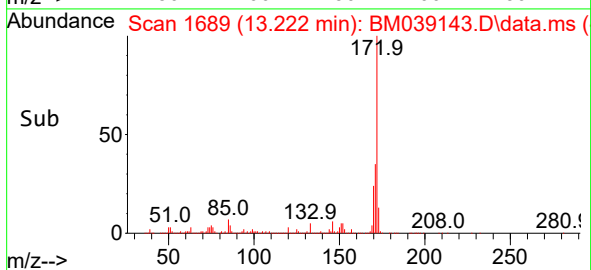
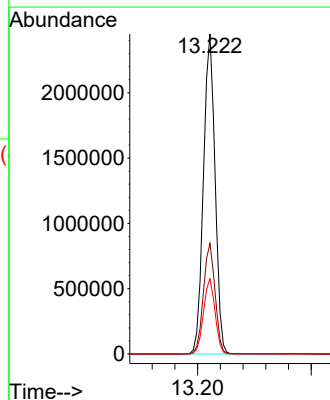
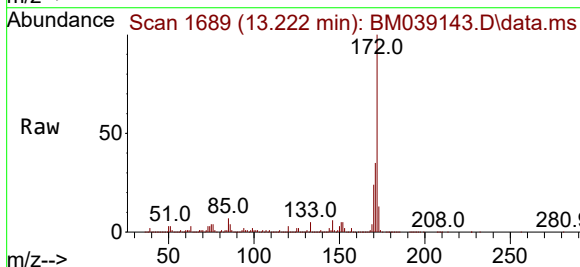
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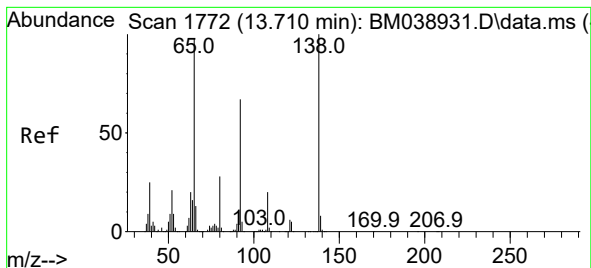
Tgt Ion:330 Resp: 932393
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 36.8 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 96.427 ng
RT: 13.222 min Scan# 1689
Delta R.T. 0.000 min
Lab File: BM039143.D
Acq: 24 Mar 2023 15:57

Tgt Ion:172 Resp: 3475043
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.2
170 23.5 19.1 28.7





#48

2-Nitroaniline

Concen: 2.255 ng

RT: 13.651 min Scan# 1

Delta R.T. -0.029 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

Instrument :

BNA_M

ClientSampleId :

R-PIT

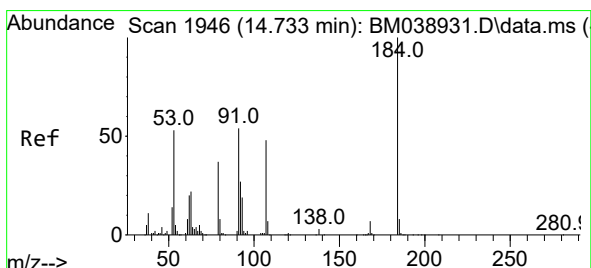
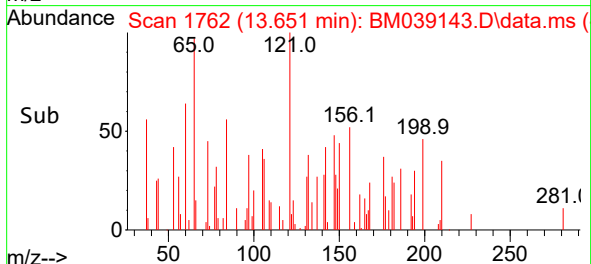
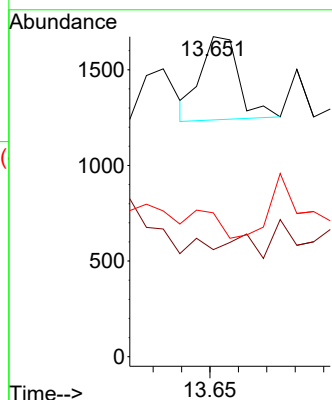
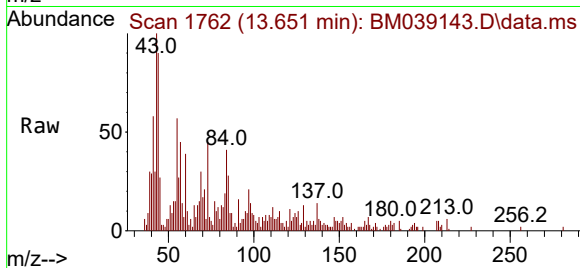
Tgt Ion: 65 Resp: 402

Ion Ratio Lower Upper

65 100

92 33.5 54.9 82.3#

138 44.9 81.6 122.4#



#54

2,4-Dinitrophenol

Concen: 5.205 ng

RT: 14.692 min Scan# 1939

Delta R.T. -0.023 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

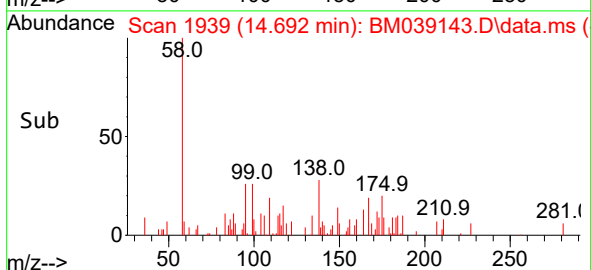
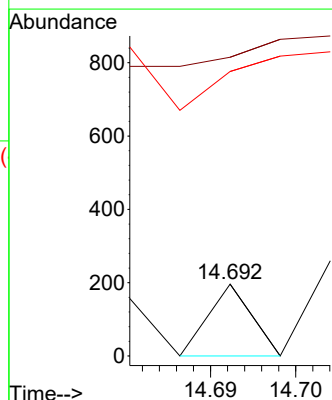
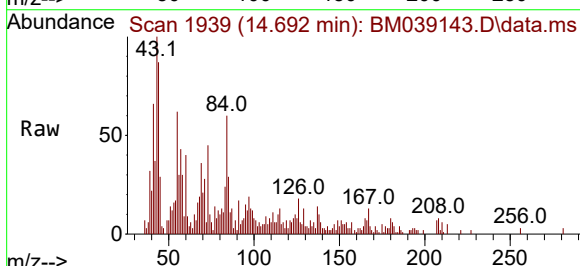
Tgt Ion: 184 Resp: 69

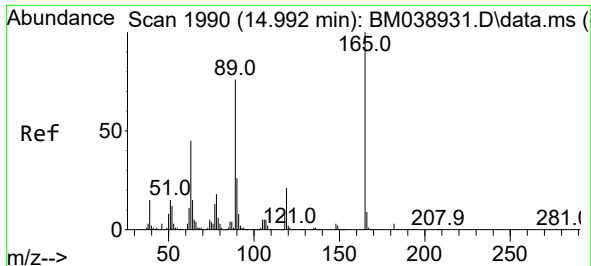
Ion Ratio Lower Upper

184 100

63 415.8 60.6 90.8#

154 395.9 51.4 77.2#





#57

2,4-Dinitrotoluene

Concen: 2.213 ng

RT: 15.016 min Scan# 1994

Delta R.T. 0.053 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

Instrument :

BNA_M

ClientSampleId :

R-PIT

Tgt Ion:165 Resp: 1557

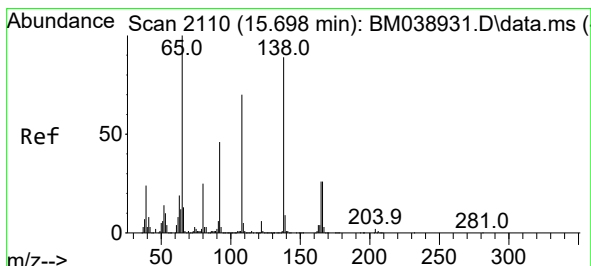
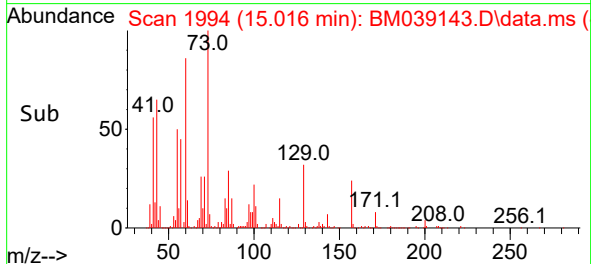
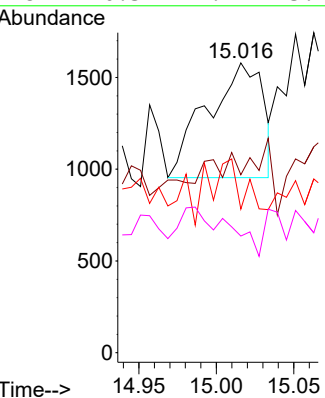
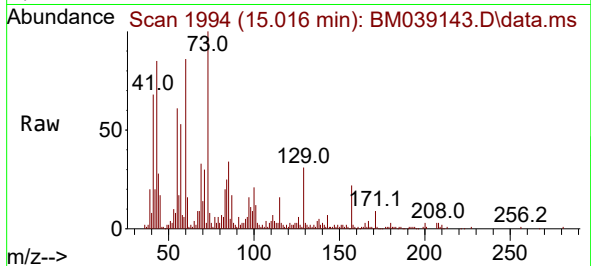
Ion Ratio Lower Upper

165 100

63 61.4 35.9 53.9#

89 49.5 61.0 91.6#

182 40.3 2.1 3.1#



#62

4-Nitroaniline

Concen: 2.424 ng

RT: 15.727 min Scan# 2115

Delta R.T. 0.053 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

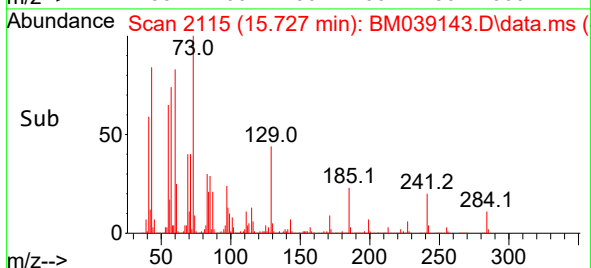
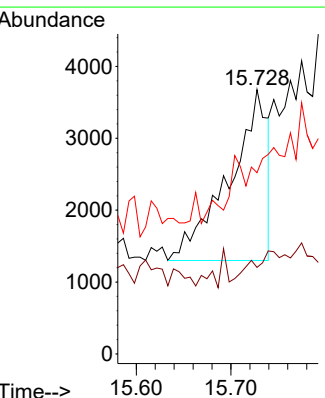
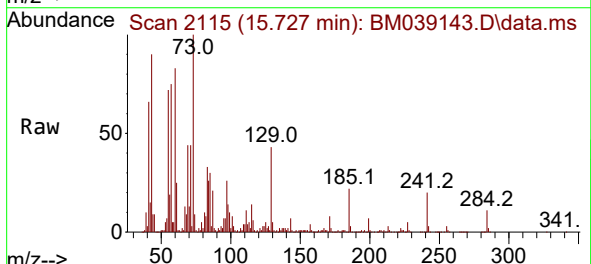
Tgt Ion:138 Resp: 6663

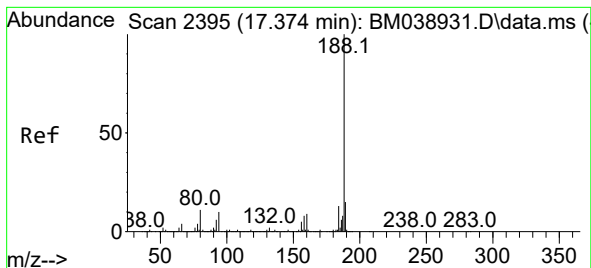
Ion Ratio Lower Upper

138 100

92 32.8 31.6 71.6

108 68.6 58.6 98.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 2114

Delta R.T. -0.006 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

Instrument :

BNA_M

ClientSampleId :

R-PIT

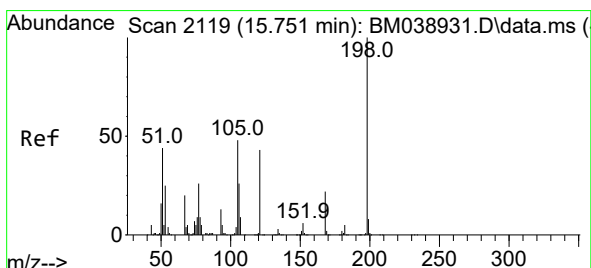
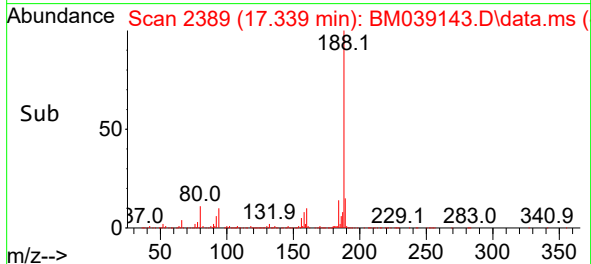
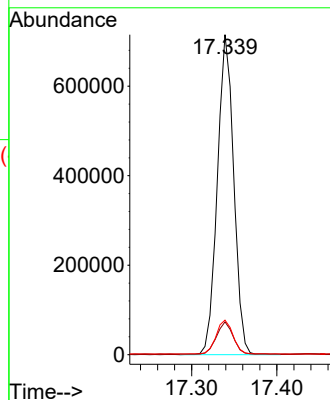
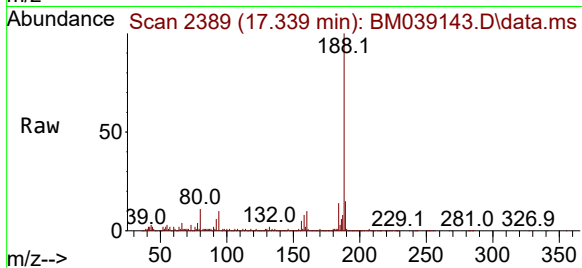
Tgt Ion:188 Resp: 954582

Ion Ratio Lower Upper

188 100

94 10.2 7.9 11.9

80 10.8 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 5.130 ng

RT: 15.722 min Scan# 2114

Delta R.T. -0.006 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

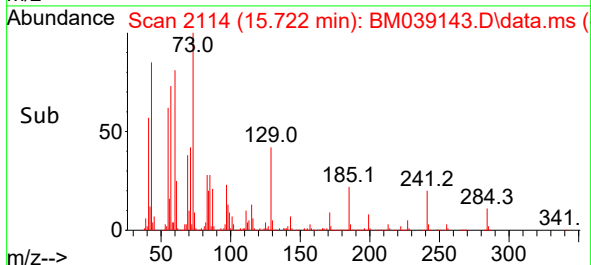
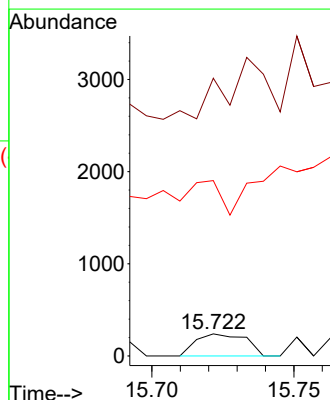
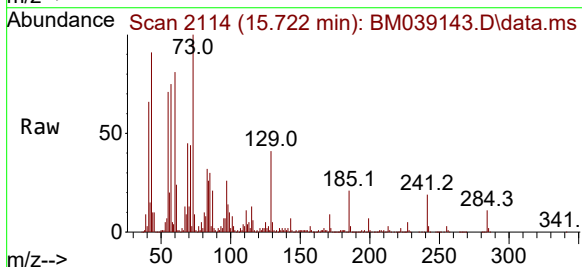
Tgt Ion:198 Resp: 292

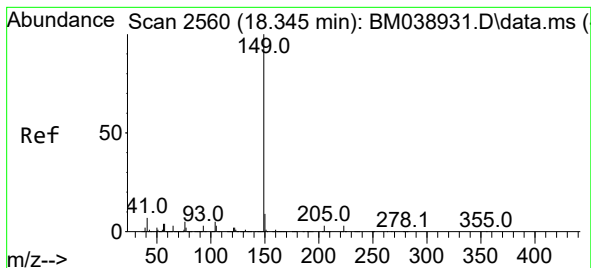
Ion Ratio Lower Upper

198 100

51 1260.7 30.1 70.1#

105 796.2 29.3 69.3#





#74

Di-n-butylphthalate

Concen: 2.001 ng

RT: 18.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

Instrument :

BNA_M

ClientSampleId :

R-PIT

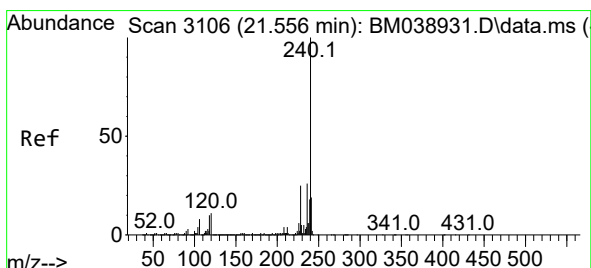
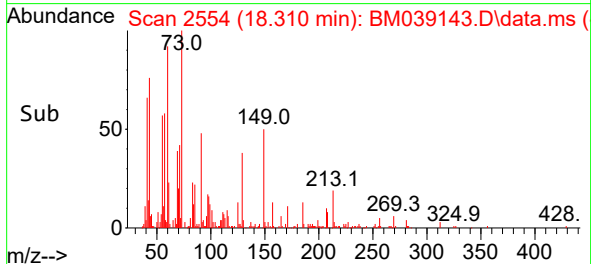
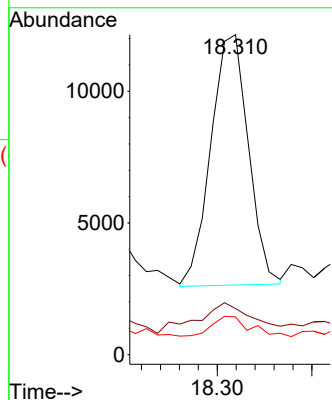
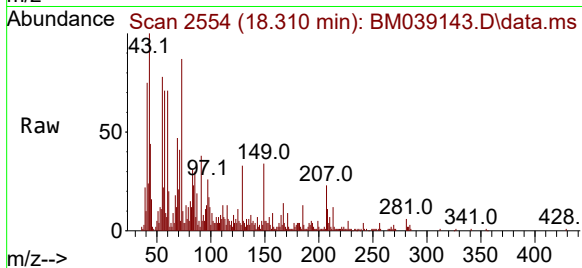
Tgt Ion:149 Resp: 13082

Ion Ratio Lower Upper

149 100

150 14.4 7.4 11.2#

104 11.8 4.3 6.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

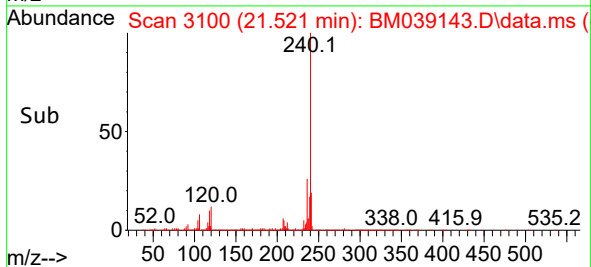
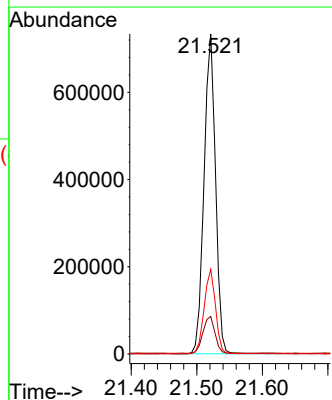
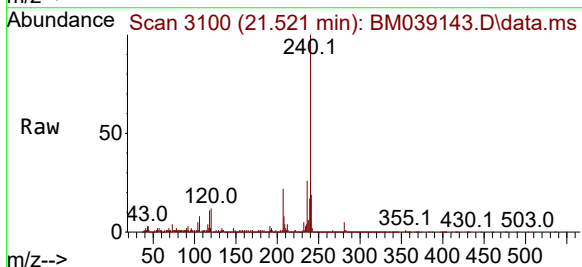
Tgt Ion:240 Resp: 895046

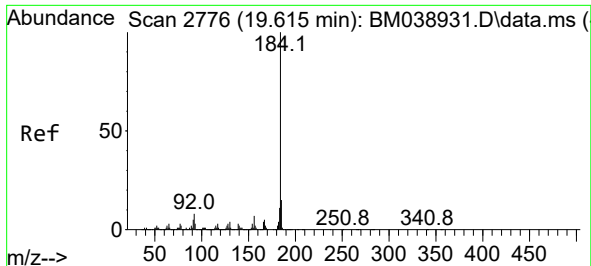
Ion Ratio Lower Upper

240 100

120 11.7 9.2 13.8

236 26.5 20.8 31.2

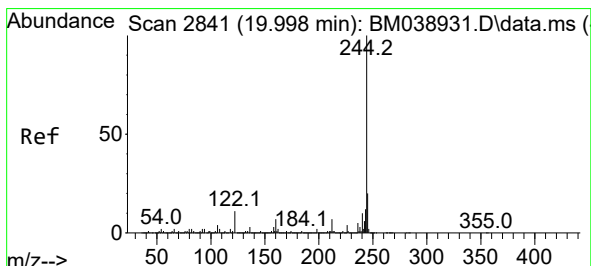
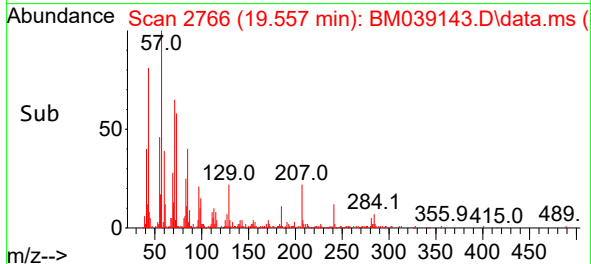
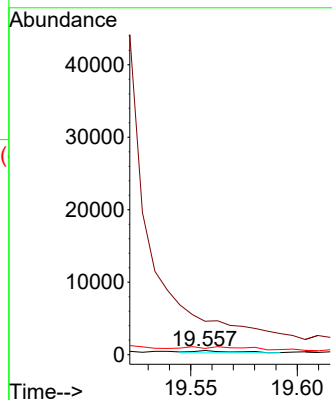
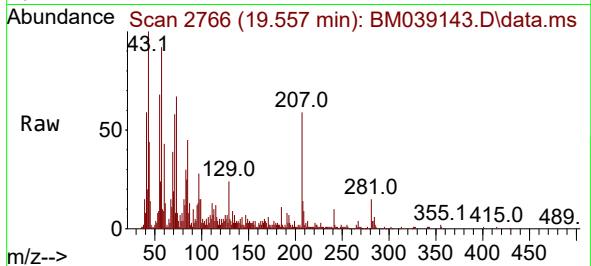




#77
Benzidine
Concen: 4.892 ng
RT: 19.557 min Scan# 21
Delta R.T. -0.029 min
Lab File: BM039143.D
Acq: 24 Mar 2023 15:57

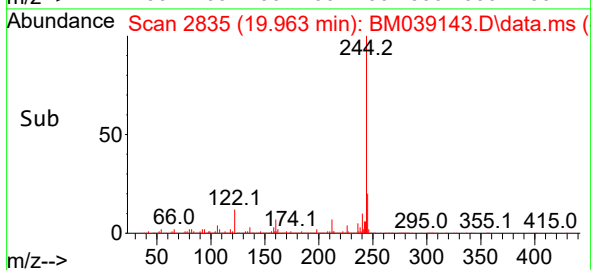
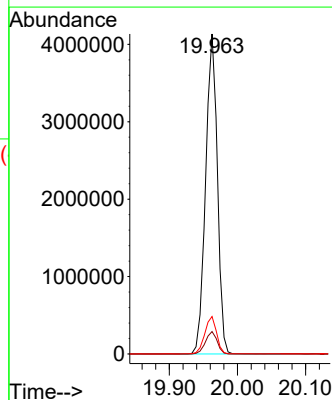
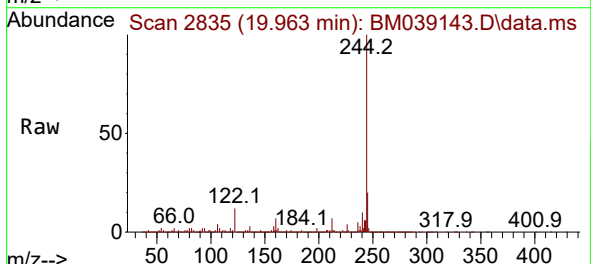
Instrument :
BNA_M
ClientSampleId :
R-PIT

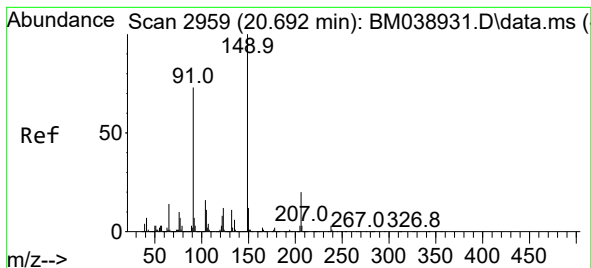
Tgt Ion:184 Resp: 355
Ion Ratio Lower Upper
184 100
185 794.7 12.2 18.4#
183 150.0 8.8 13.2#



#79
Terphenyl-d14
Concen: 101.063 ng
RT: 19.963 min Scan# 2835
Delta R.T. 0.000 min
Lab File: BM039143.D
Acq: 24 Mar 2023 15:57

Tgt Ion:244 Resp: 4947461
Ion Ratio Lower Upper
244 100
212 7.0 5.5 8.3
122 11.7 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.328 ng

RT: 20.662 min Scan# 2959

Delta R.T. 0.006 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

Instrument :

BNA_M

ClientSampleId :

R-PIT

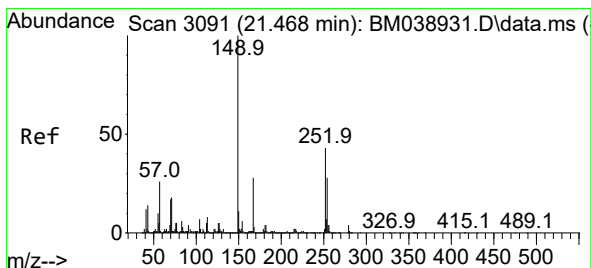
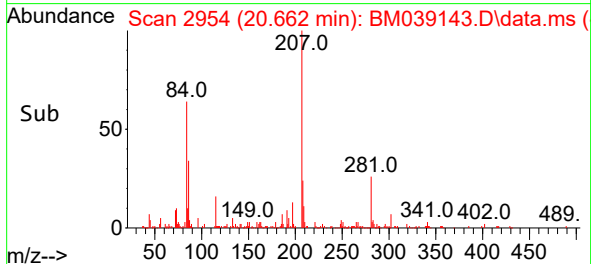
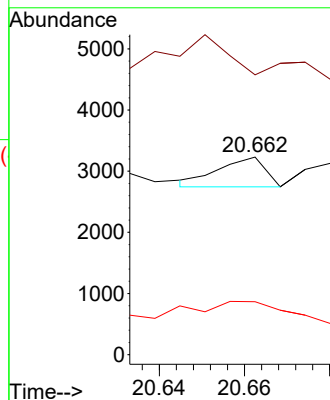
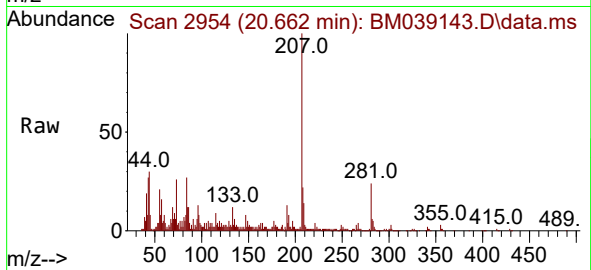
Tgt Ion:149 Resp: 368

Ion Ratio Lower Upper

149 100

91 141.6 58.4 87.6#

206 26.8 16.1 24.1#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.910 ng

RT: 21.427 min Scan# 3084

Delta R.T. -0.006 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

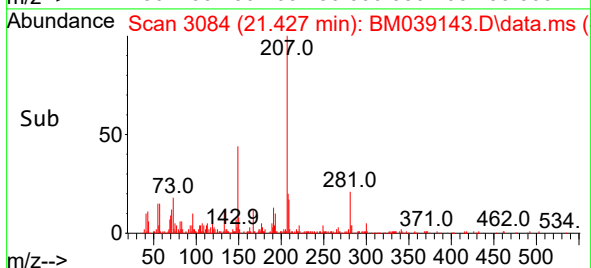
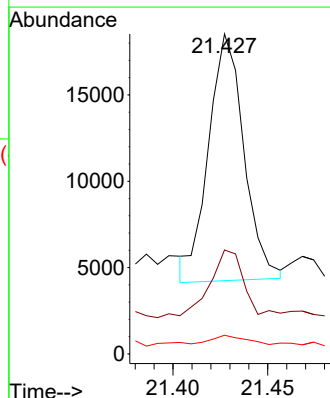
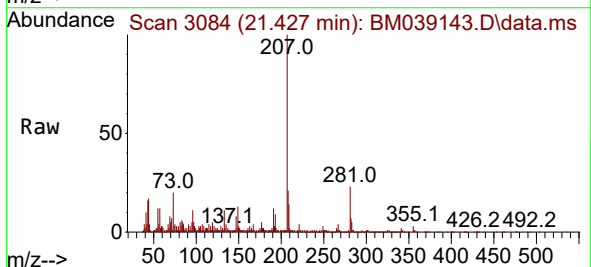
Tgt Ion:149 Resp: 18540

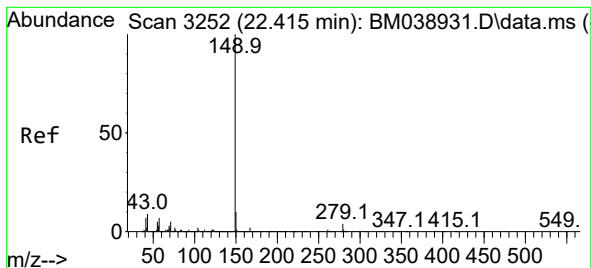
Ion Ratio Lower Upper

149 100

167 32.5 22.3 33.5

279 5.9 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 4.434 ng

RT: 22.415 min Scan# 31

Delta R.T. 0.047 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

Instrument :

BNA_M

ClientSampleId :

R-PIT

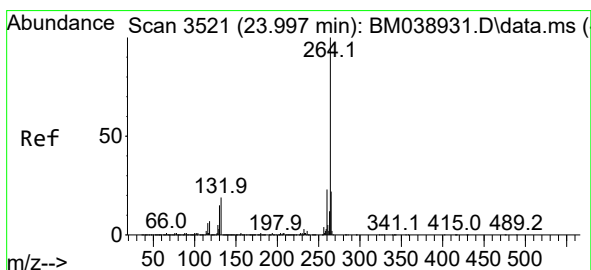
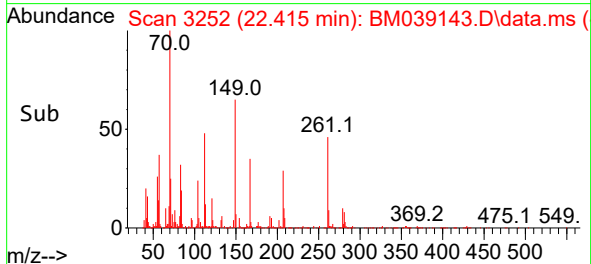
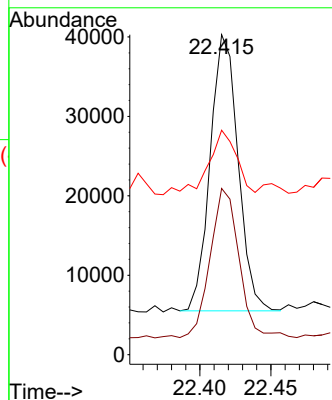
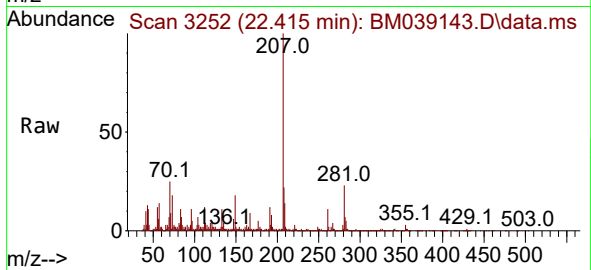
Tgt Ion:149 Resp: 47476

Ion Ratio Lower Upper

149 100

167 58.0 1.2 1.8#

43 23.9 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.951 min Scan# 3513

Delta R.T. -0.006 min

Lab File: BM039143.D

Acq: 24 Mar 2023 15:57

Tgt Ion:264 Resp: 923726

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.4 17.9 26.9

