

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080823\
 Data File : BM041338.D
 Acq On : 08 Aug 2023 21:05
 Operator : MA/JU
 Sample : 03929-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 09 01:20:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 17:25:06 2023
 Response via : Initial Calibration

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

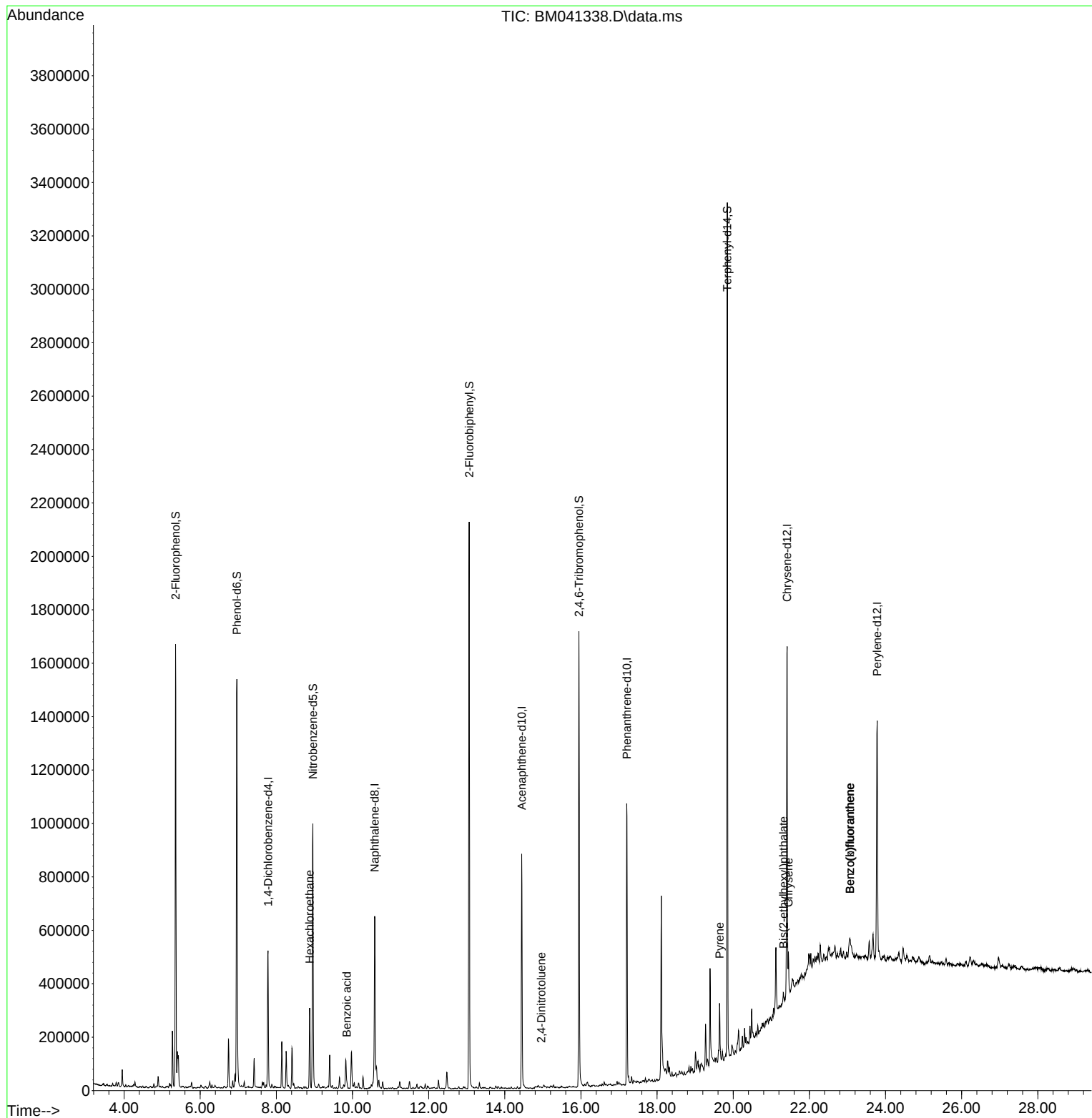
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	131755	20.000	ng	0.00
21) Naphthalene-d8	10.580	136	520369	20.000	ng	-0.01
39) Acenaphthene-d10	14.445	164	298868	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	620776	20.000	ng	-0.01
76) Chrysene-d12	21.415	240	587802	20.000	ng	0.00
86) Perylene-d12	23.780	264	676114	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	657917	74.632	ng	0.00
7) Phenol-d6	6.963	99	834149	72.998	ng	0.00
23) Nitrobenzene-d5	8.957	82	541376	48.382	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	322718	76.341	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	1055660	44.620	ng	0.00
79) Terphenyl-d14	19.845	244	1443210	44.393	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	8.875	117	24836	7.085	ng	# 1
32) Benzoic acid	9.851	122	66	7.165	ng	# 1
57) 2,4-Dinitrotoluene	14.957	165	54	2.678	ng	# 12
78) Pyrene	19.639	202	129598	3.153	ng	99
83) Chrysene	21.450	228	83259	2.160	ng	98
84) Bis(2-ethylhexyl)phtha...	21.321	149	9838	2.930	ng	# 98
88) Benzo(b)fluoranthene	23.062	252	90641	2.257	ng	# 94
89) Benzo(k)fluoranthene	23.062	252	90641	2.206	ng	# 92

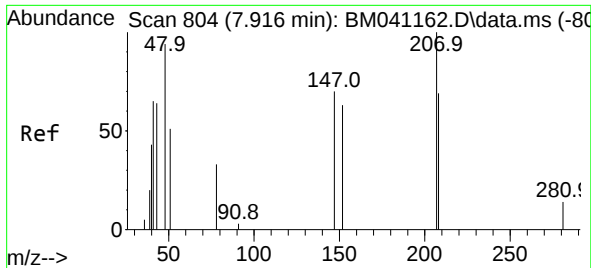
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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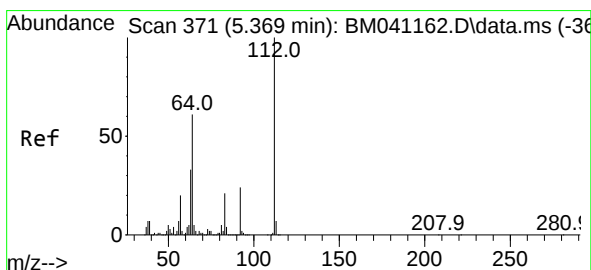
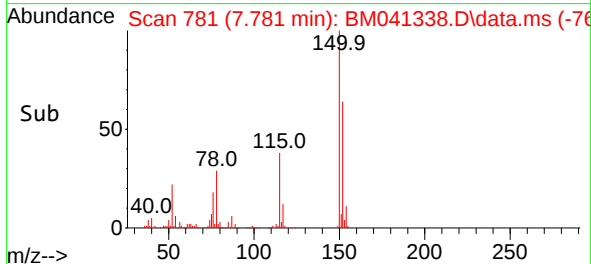
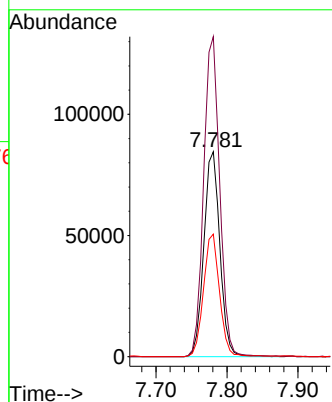
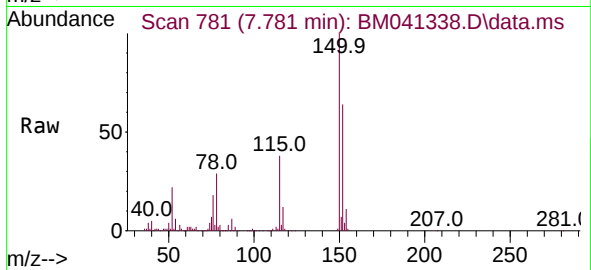




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.781 min Scan# 781
 Delta R.T. -0.006 min
 Lab File: BM041338.D
 Acq: 08 Aug 2023 21:05

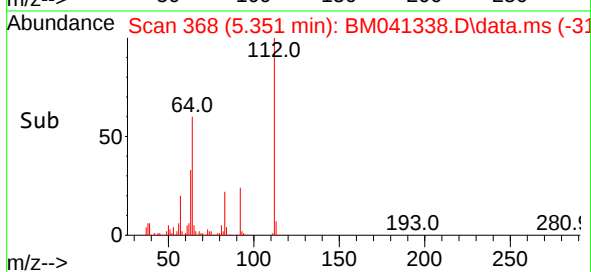
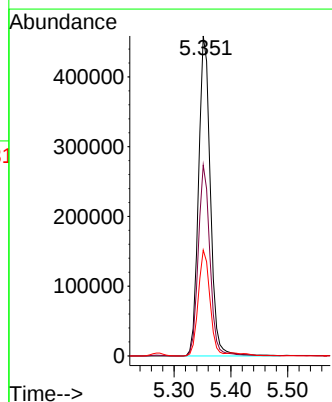
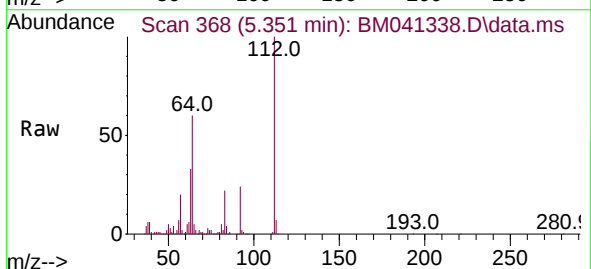
Instrument :
 BNA_M
 ClientSampleId :

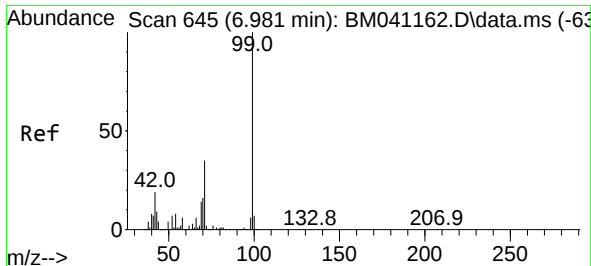
Tgt Ion:152 Resp: 131755
 Ion Ratio Lower Upper
 152 100
 150 156.2 125.5 188.3
 115 59.8 48.0 72.0



#5
 2-Fluorophenol
 Concen: 74.632 ng
 RT: 5.351 min Scan# 368
 Delta R.T. -0.006 min
 Lab File: BM041338.D
 Acq: 08 Aug 2023 21:05

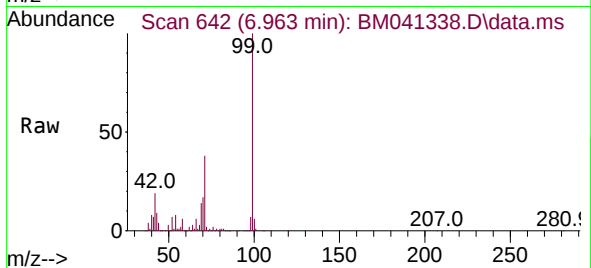
Tgt Ion:112 Resp: 657917
 Ion Ratio Lower Upper
 112 100
 64 59.6 48.5 72.7
 63 33.1 26.5 39.7



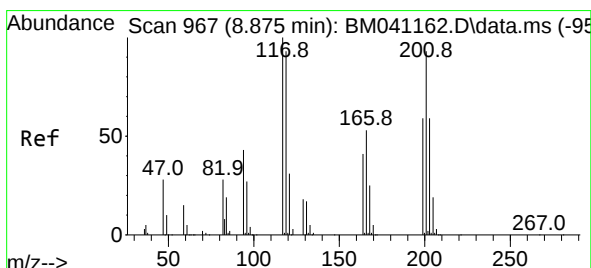
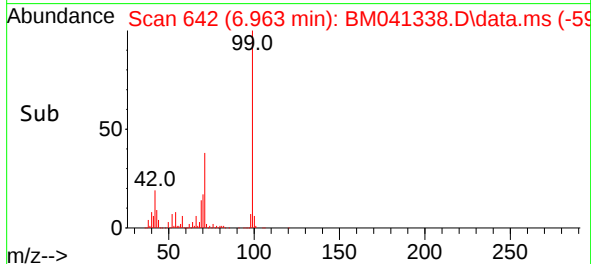
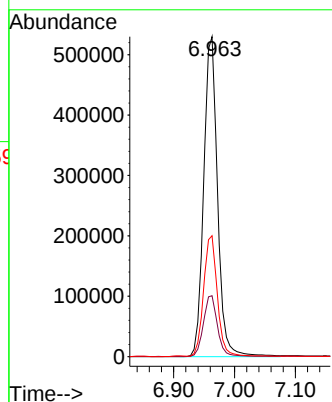


#7
Phenol-d6
Concen: 72.998 ng
RT: 6.963 min Scan# 645
Delta R.T. -0.006 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05

Instrument :
BNA_M
ClientSampleId :

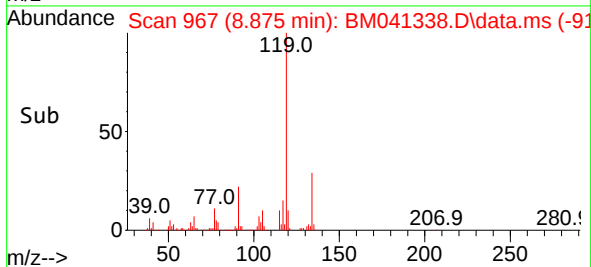
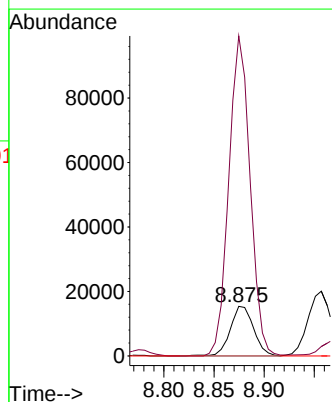
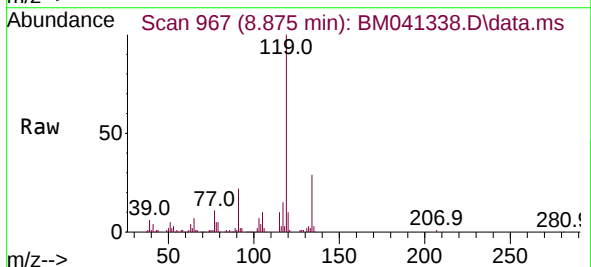


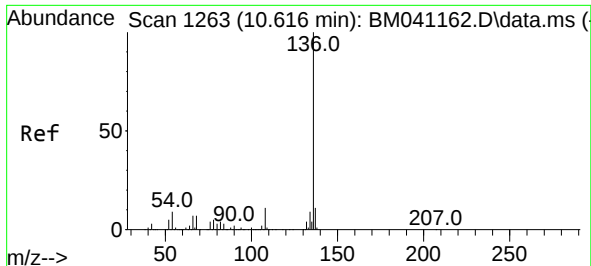
Tgt Ion: 99 Resp: 834149
Ion Ratio Lower Upper
99 100
42 19.0 15.4 23.0
71 37.8 28.2 42.4



#18
Hexachloroethane
Concen: 7.085 ng
RT: 8.875 min Scan# 967
Delta R.T. 0.024 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05

Tgt Ion: 117 Resp: 24836
Ion Ratio Lower Upper
117 100
119 646.7 74.2 111.4#
201 0.0 74.5 111.7#



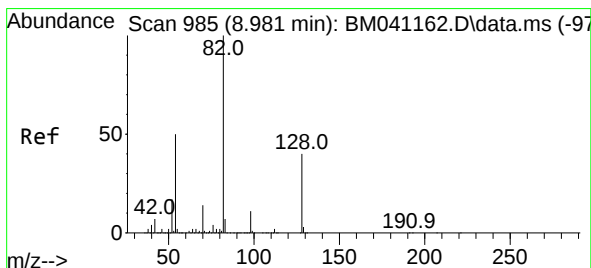
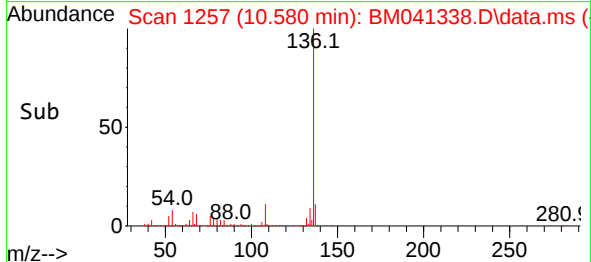
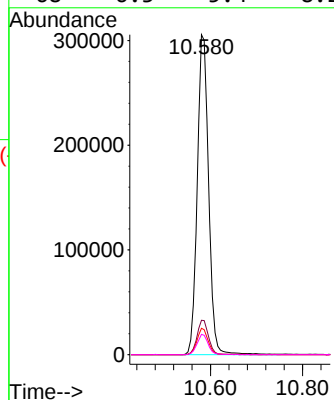
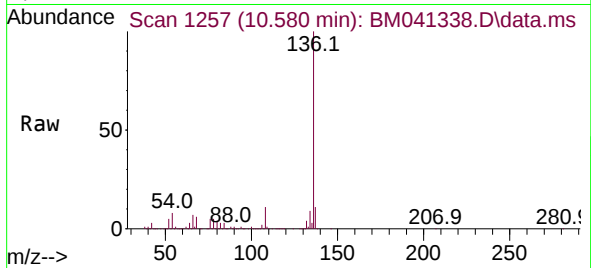


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:136 Resp: 520369

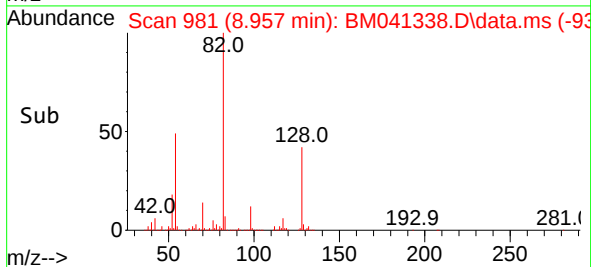
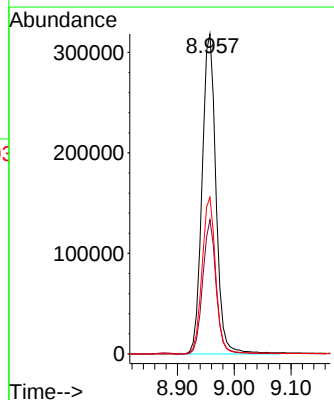
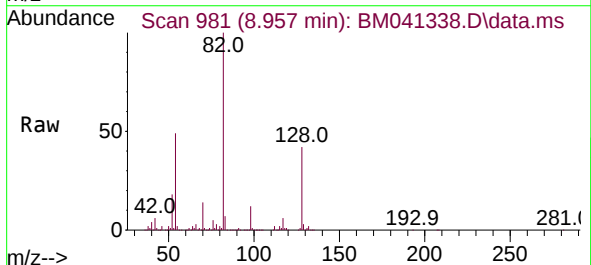
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.2	6.9	10.3
68	6.3	5.4	8.2

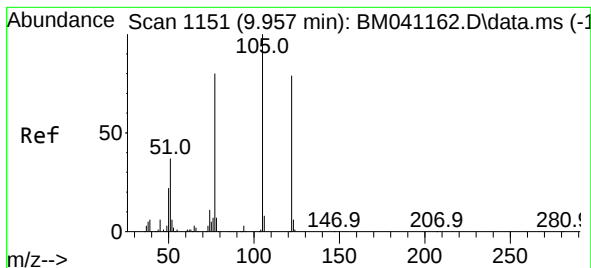


#23
Nitrobenzene-d5
Concen: 48.382 ng
RT: 8.957 min Scan# 981
Delta R.T. -0.006 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05

Tgt Ion: 82 Resp: 541376

Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.8	47.6
54	48.9	40.1	60.1





#32

Benzoic acid

Concen: 7.165 ng

RT: 9.851 min Scan# 11

Delta R.T. -0.106 min

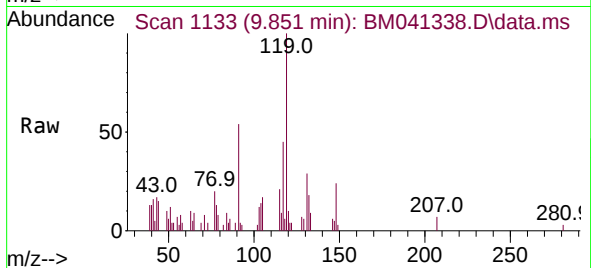
Lab File: BM041338.D

Acq: 08 Aug 2023 21:05

Instrument :

BNA_M

ClientSampleId :



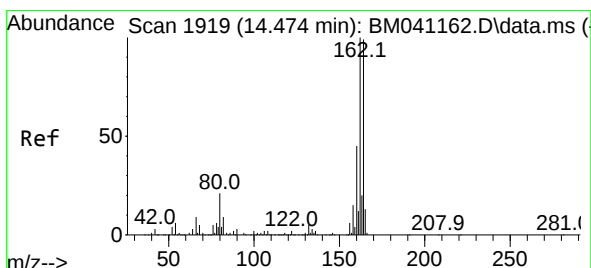
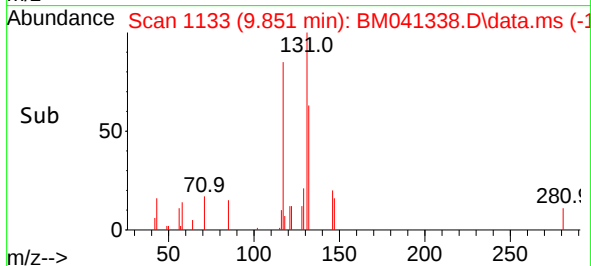
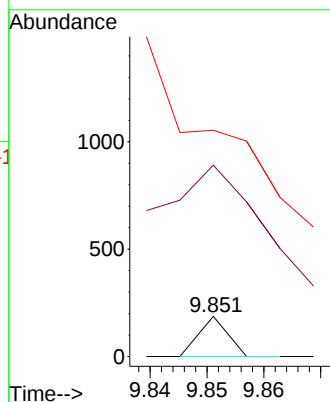
Tgt Ion:122 Resp: 66

Ion Ratio Lower Upper

122 100

105 476.5 104.0 144.0#

77 563.6 79.9 119.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 1914

Delta R.T. -0.006 min

Lab File: BM041338.D

Acq: 08 Aug 2023 21:05

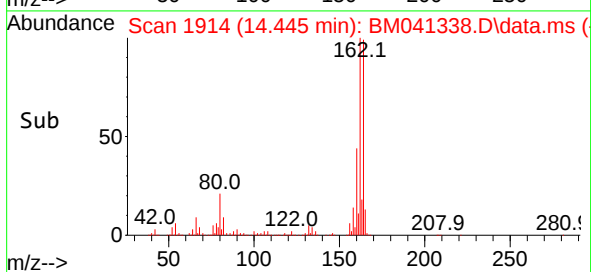
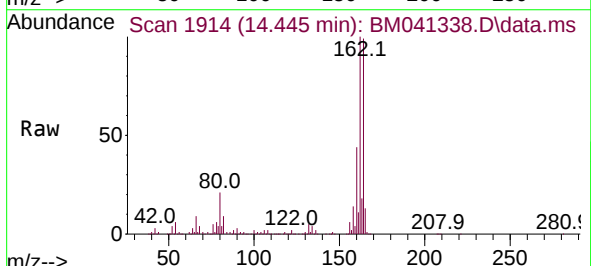
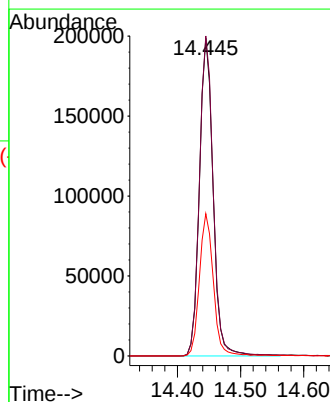
Tgt Ion:164 Resp: 298868

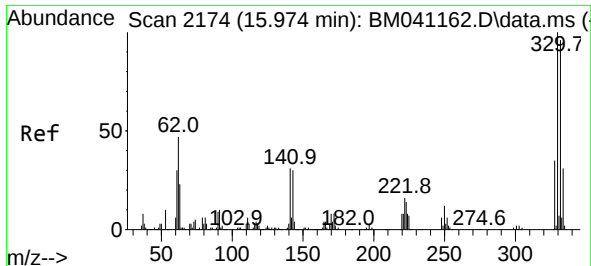
Ion Ratio Lower Upper

164 100

162 100.7 80.4 120.6

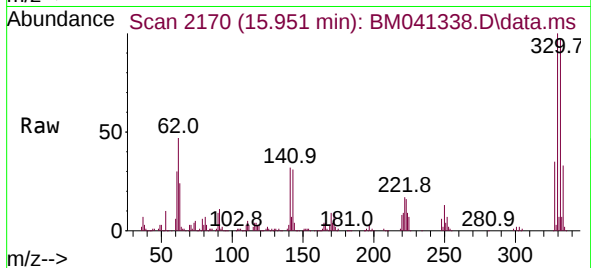
160 44.7 36.2 54.2



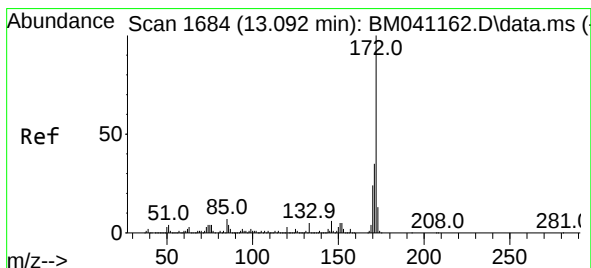
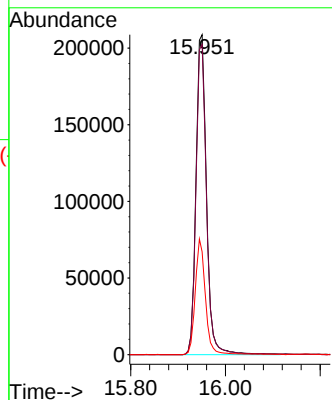
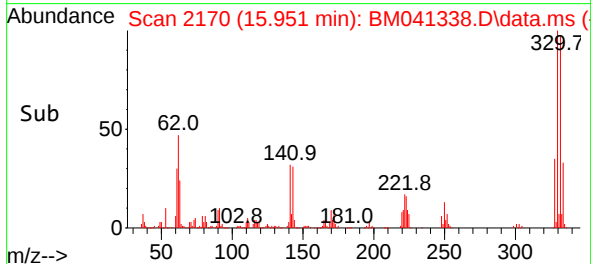


#42
2,4,6-Tribromophenol
Concen: 76.341 ng
RT: 15.951 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05

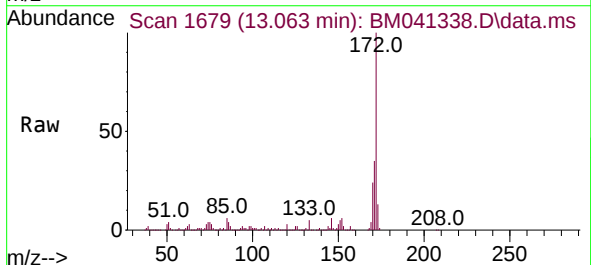
Instrument :
BNA_M
ClientSampleId :



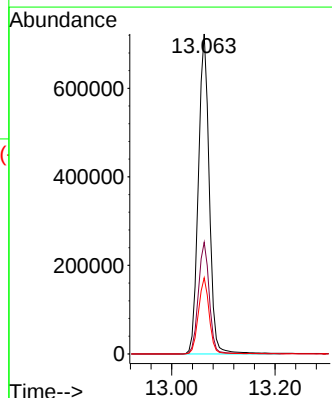
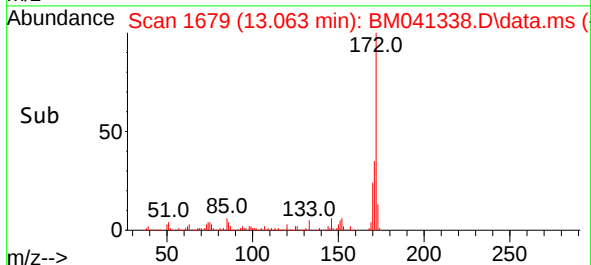
Tgt Ion:330 Resp: 322718
Ion Ratio Lower Upper
330 100
332 96.2 77.7 116.5
141 35.0 28.3 42.5

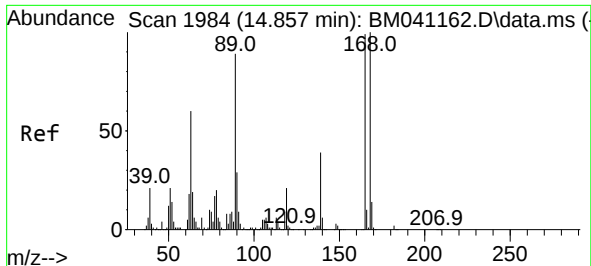


#45
2-Fluorobiphenyl
Concen: 44.620 ng
RT: 13.063 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05



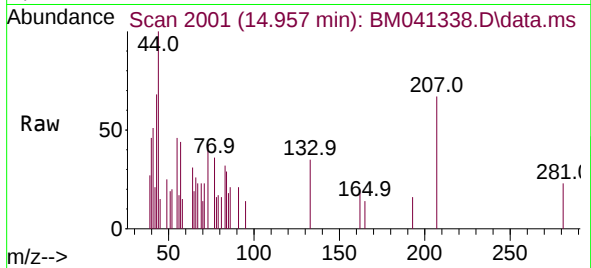
Tgt Ion:172 Resp: 1055660
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.8 18.9 28.3



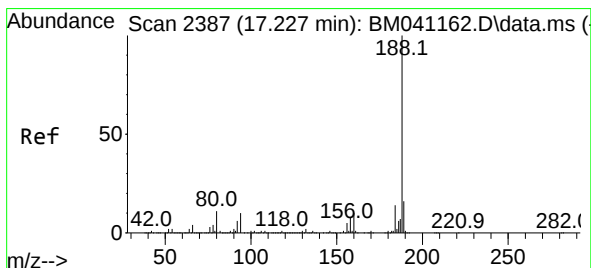
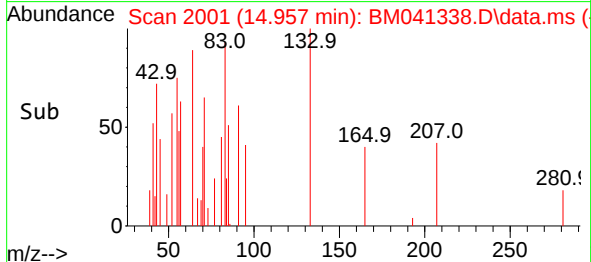
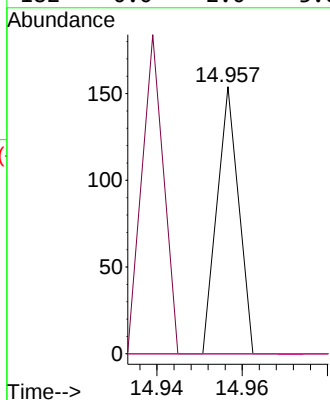


#57
2,4-Dinitrotoluene
Concen: 2.678 ng
RT: 14.957 min Scan# 20
Delta R.T. 0.106 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05

Instrument :
BNA_M
ClientSampleId :

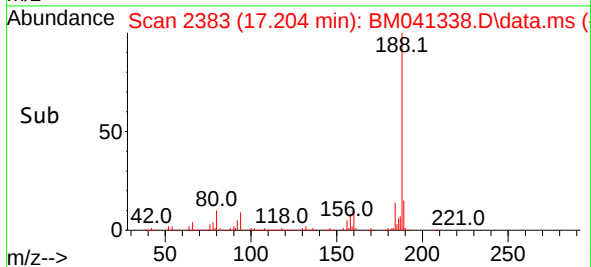
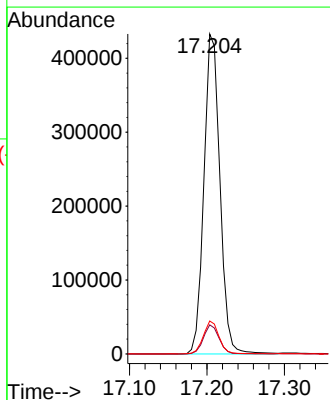
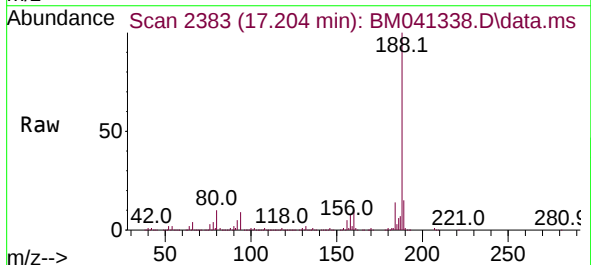


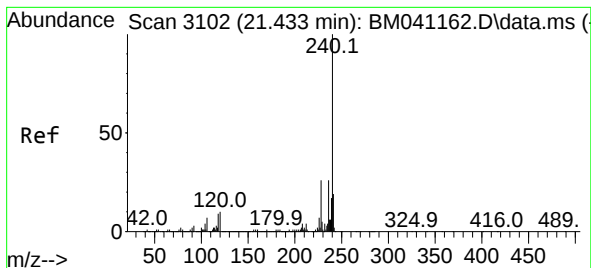
Tgt Ion:165 Resp: 54
Ion Ratio Lower Upper
165 100
63 0.0 48.3 72.5#
89 0.0 71.8 107.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2383
Delta R.T. -0.012 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05

Tgt Ion:188 Resp: 620776
Ion Ratio Lower Upper
188 100
94 9.1 8.2 12.2
80 10.3 8.6 13.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.415 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM041338.D

Acq: 08 Aug 2023 21:05

Instrument :

BNA_M

ClientSampleId :

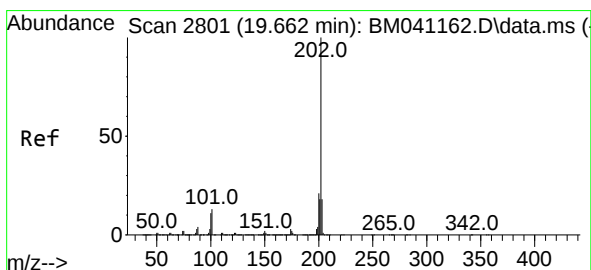
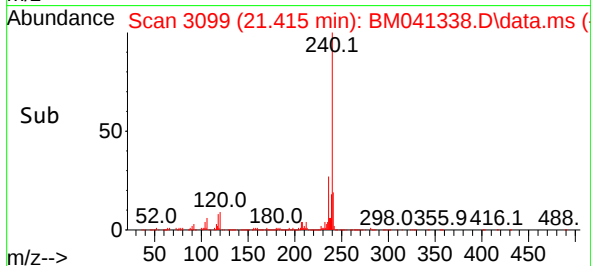
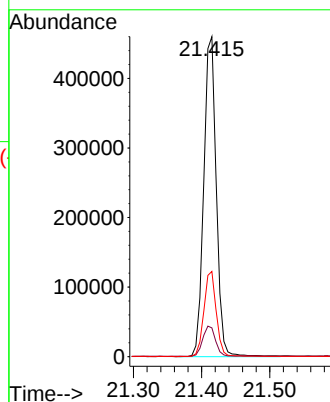
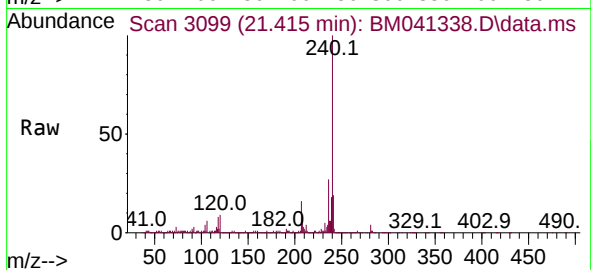
Tgt Ion:240 Resp: 587802

Ion Ratio Lower Upper

240 100

120 9.0 8.3 12.5

236 26.6 20.6 30.8



#78

Pyrene

Concen: 3.153 ng

RT: 19.639 min Scan# 2797

Delta R.T. -0.006 min

Lab File: BM041338.D

Acq: 08 Aug 2023 21:05

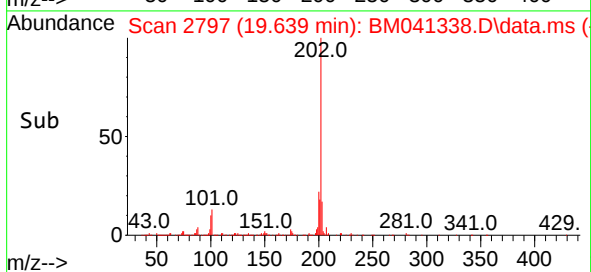
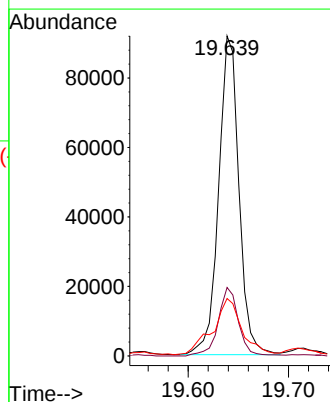
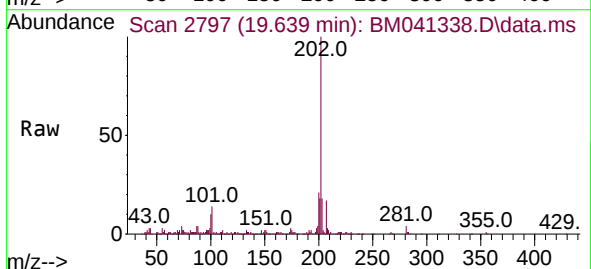
Tgt Ion:202 Resp: 129598

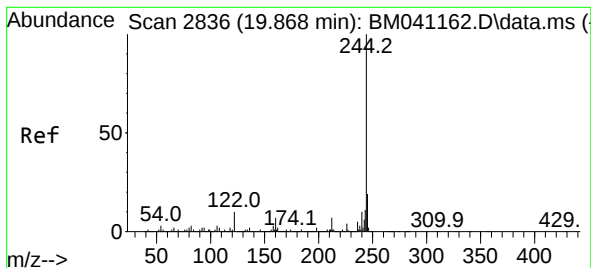
Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 44.393 ng

RT: 19.845 min Scan# 2832

Delta R.T. -0.006 min

Lab File: BM041338.D

Acq: 08 Aug 2023 21:05

Instrument :

BNA_M

ClientSampleId :

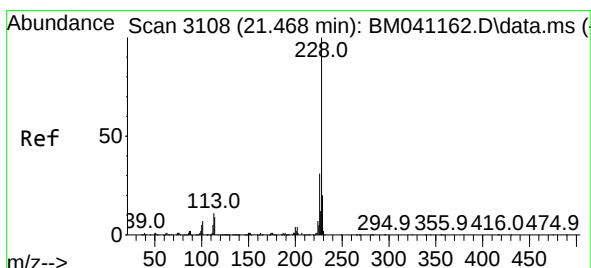
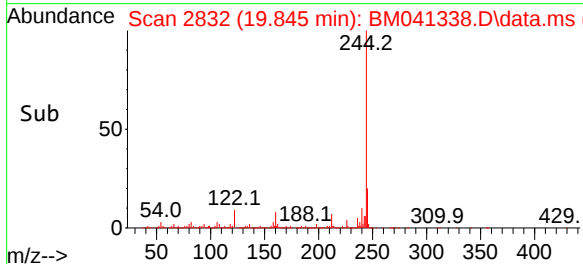
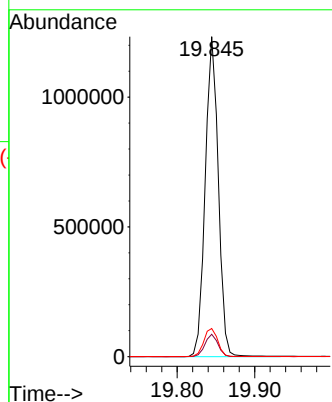
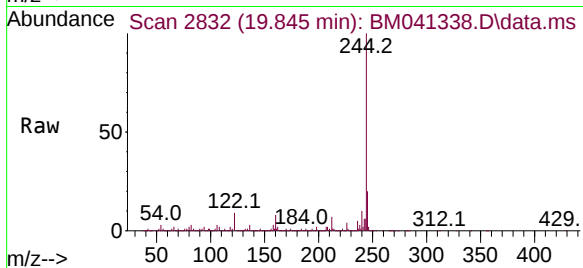
Tgt Ion:244 Resp: 1443210

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 8.8 7.8 11.6



#83

Chrysene

Concen: 2.160 ng

RT: 21.450 min Scan# 3105

Delta R.T. -0.006 min

Lab File: BM041338.D

Acq: 08 Aug 2023 21:05

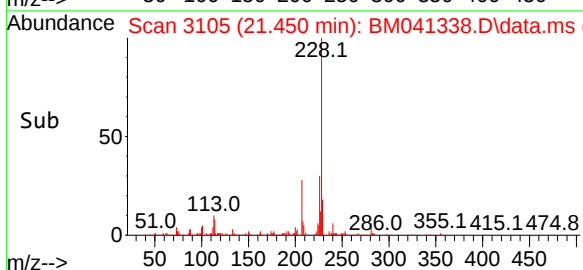
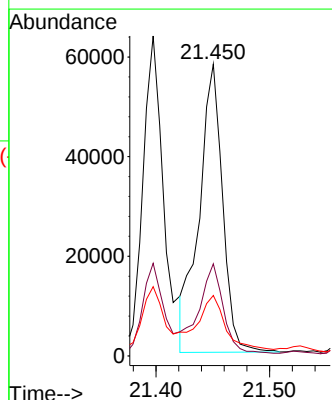
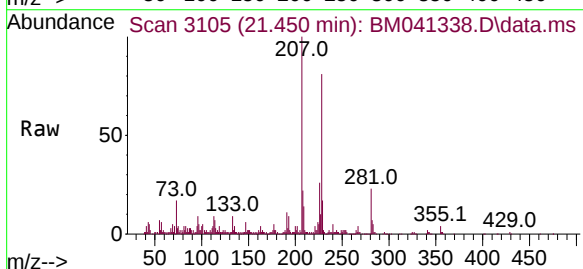
Tgt Ion:228 Resp: 83259

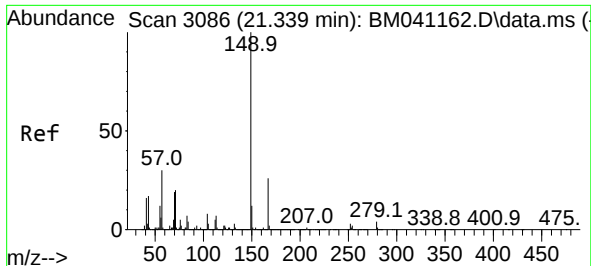
Ion Ratio Lower Upper

228 100

226 31.6 24.5 36.7

229 20.7 15.8 23.8

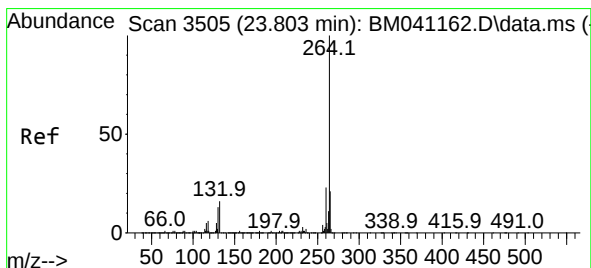
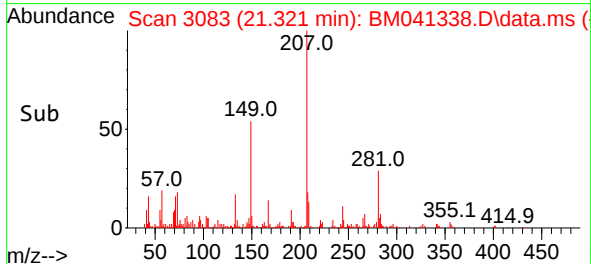
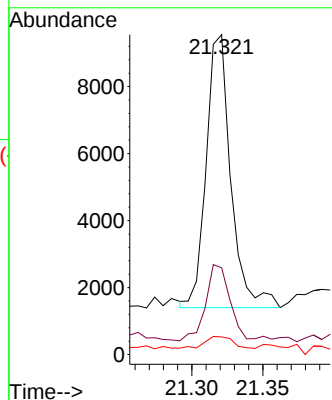
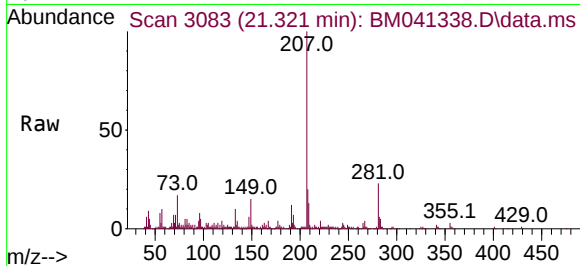




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.930 ng
RT: 21.321 min Scan# 3083
Delta R.T. -0.006 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05

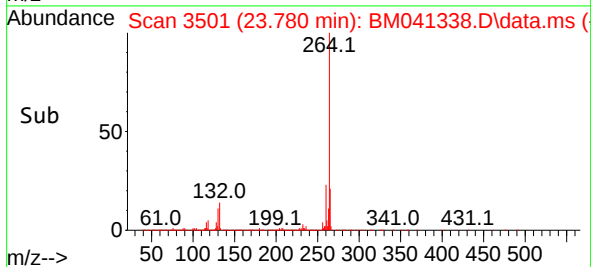
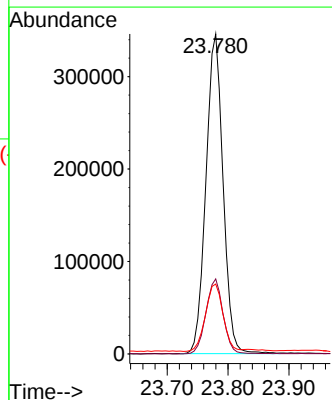
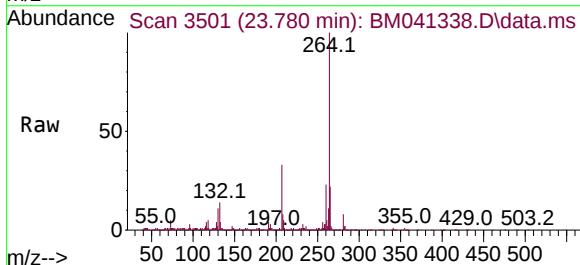
Instrument :
BNA_M
ClientSampleId :

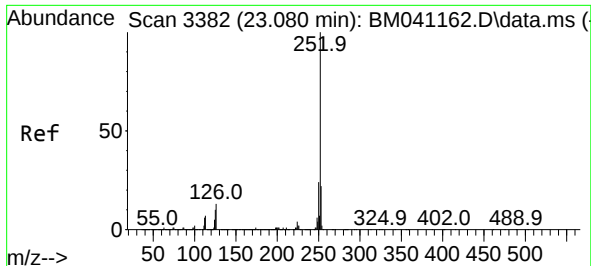
Tgt Ion:149 Resp: 9838
Ion Ratio Lower Upper
149 100
167 27.1 21.0 31.6
279 5.5 3.1 4.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.780 min Scan# 3501
Delta R.T. -0.006 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05

Tgt Ion:264 Resp: 676114
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.8 17.4 26.0

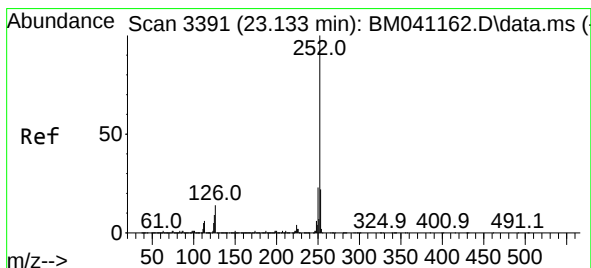
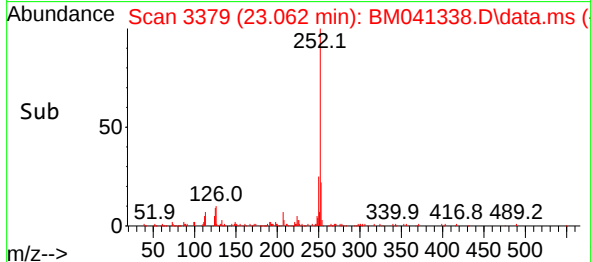
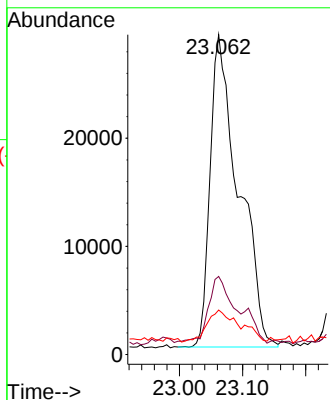
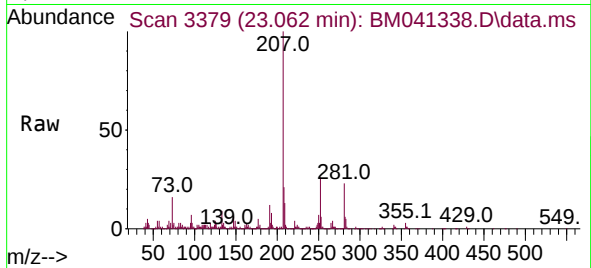




#88
Benzo(b)fluoranthene
Concen: 2.257 ng
RT: 23.062 min Scan# 3379
Delta R.T. -0.012 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 90641
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 13.9 8.2 12.4#



#89
Benzo(k)fluoranthene
Concen: 2.206 ng
RT: 23.062 min Scan# 3379
Delta R.T. -0.059 min
Lab File: BM041338.D
Acq: 08 Aug 2023 21:05

Tgt Ion:252 Resp: 90641
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 13.9 7.6 11.4#

