

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062824\
 Data File : BM046357.D
 Acq On : 28 Jun 2024 18:03
 Operator : MA/JU
 Sample : P3053-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 1A

Quant Time: Jun 28 23:01:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 03:23:08 2024
 Response via : Initial Calibration

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

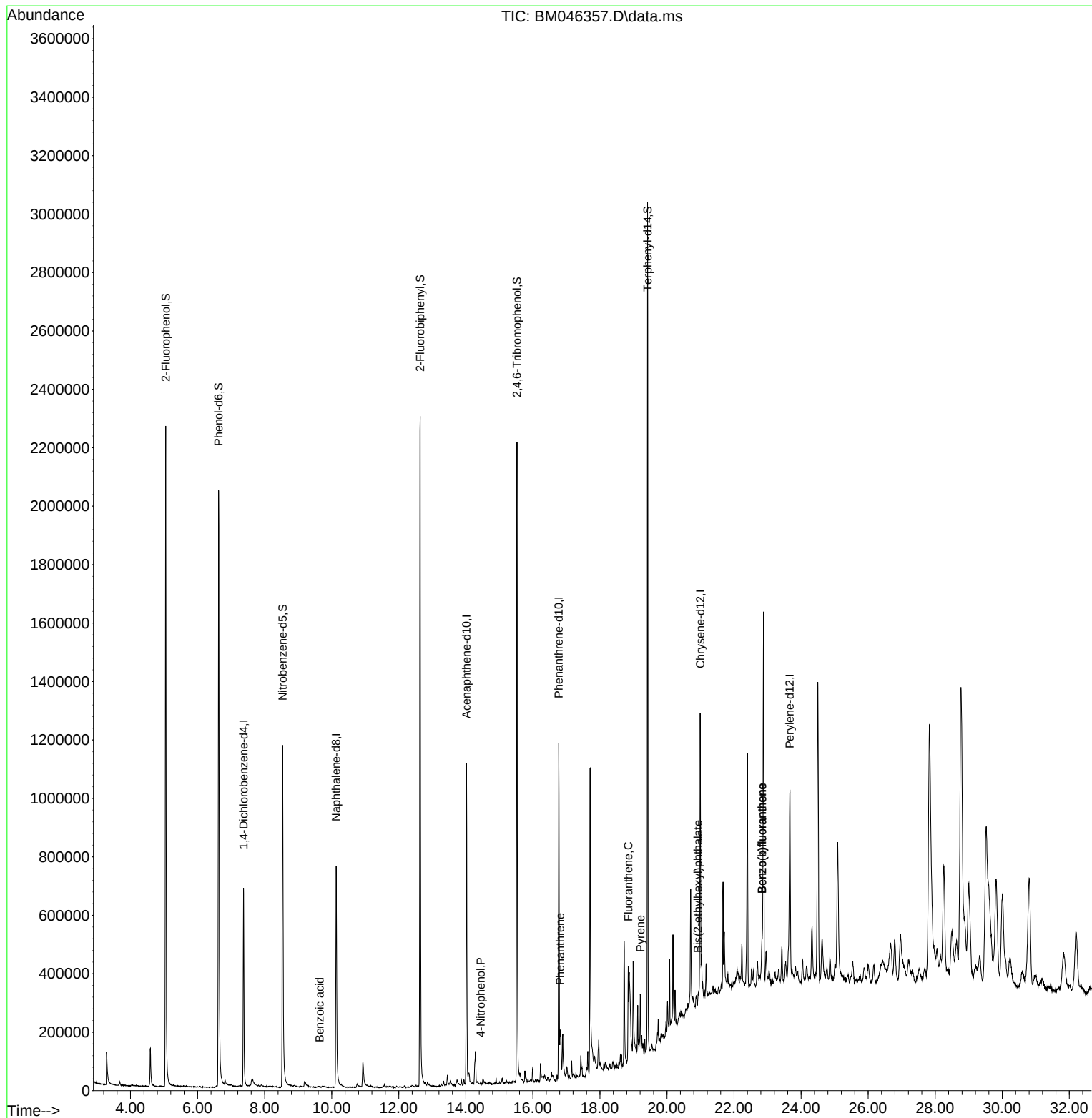
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	161284	20.000	ng	0.00
21) Naphthalene-d8	10.133	136	653120	20.000	ng	0.00
39) Acenaphthene-d10	14.021	164	355224	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	601293	20.000	ng	0.00
76) Chrysene-d12	20.991	240	418085	20.000	ng	0.00
86) Perylene-d12	23.662	264	508852	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.051	112	868380	86.546	ng	0.00
7) Phenol-d6	6.628	99	1118000	78.435	ng	0.00
23) Nitrobenzene-d5	8.539	82	776216	49.269	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	307334	71.143	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	1194366	45.572	ng	0.00
79) Terphenyl-d14	19.421	244	1127964	44.637	ng	-0.01
Target Compounds						
						Qvalue
32) Benzoic acid	9.639	122	116	2.698	ng	# 28
56) 4-Nitrophenol	14.445	139	2511	4.141	ng	# 23
71) Phenanthrene	16.815	178	80804	2.525	ng	98
75) Fluoranthene	18.845	202	117714	3.113	ng	97
78) Pyrene	19.209	202	99466	3.425	ng	98
84) Bis(2-ethylhexyl)phtha...	20.921	149	3241	2.570	ng	# 91
88) Benzo(b)fluoranthene	22.838	252	64729	2.148	ng	# 83
89) Benzo(k)fluoranthene	22.838	252	64729	2.159	ng	# 85

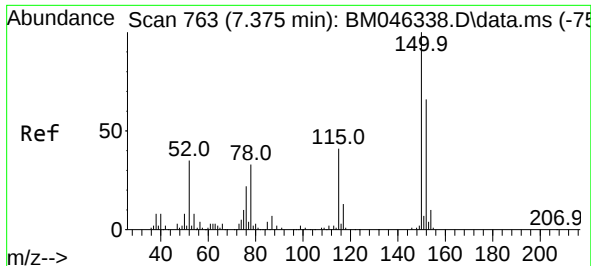
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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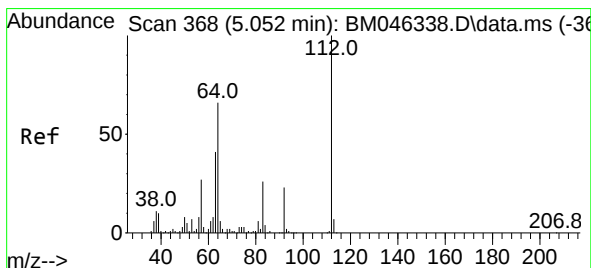
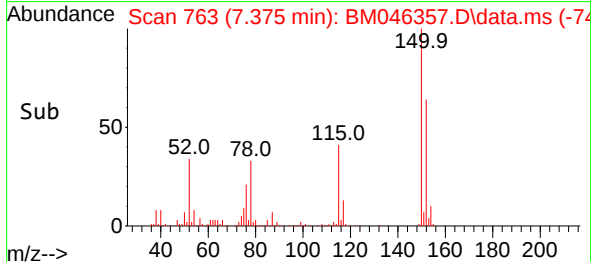
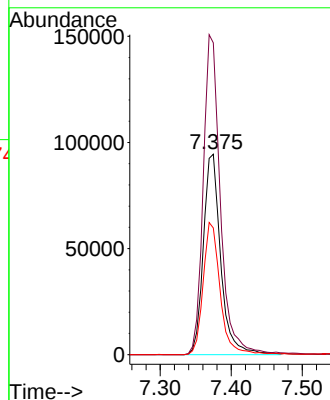
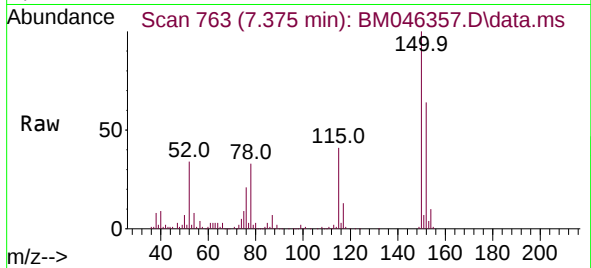




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 763
Delta R.T. -0.000 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

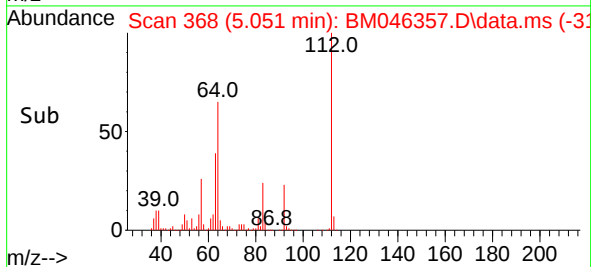
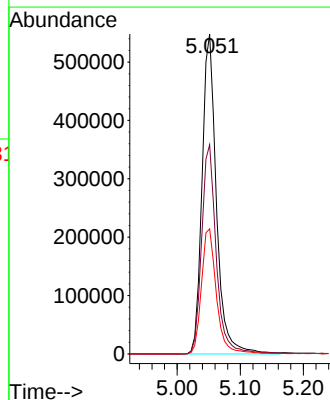
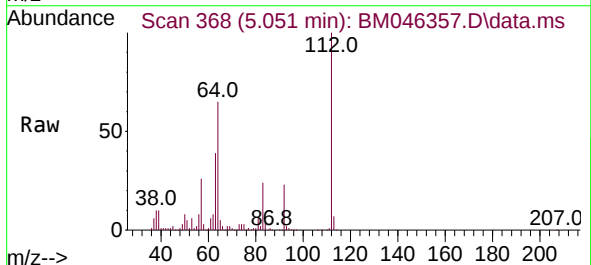
Instrument :
BNA_M
ClientSampleId :
1A

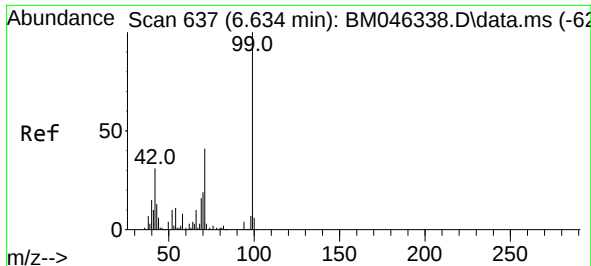
Tgt Ion:152 Resp: 161284
Ion Ratio Lower Upper
152 100
150 155.5 122.1 183.1
115 63.2 50.2 75.4



#5
2-Fluorophenol
Concen: 86.546 ng
RT: 5.051 min Scan# 368
Delta R.T. -0.000 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion:112 Resp: 868380
Ion Ratio Lower Upper
112 100
64 65.4 52.8 79.2
63 39.1 32.9 49.3

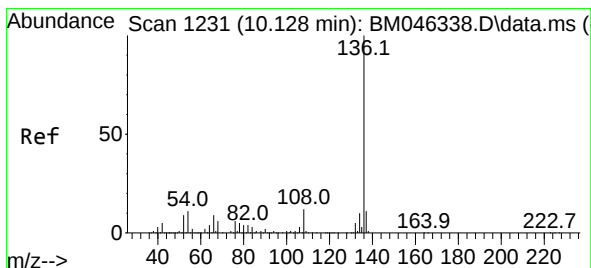
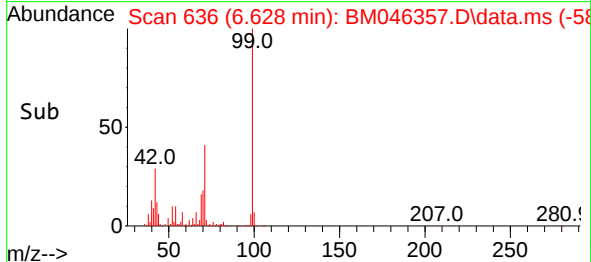
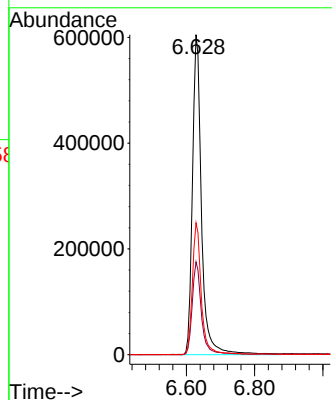
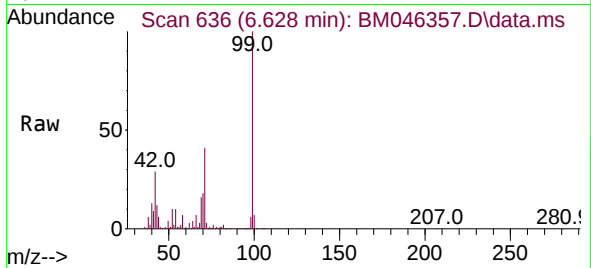




#7
Phenol-d6
Concen: 78.435 ng
RT: 6.628 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

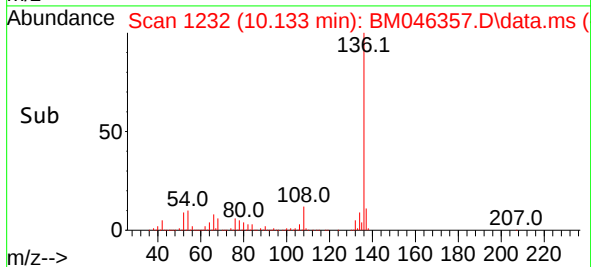
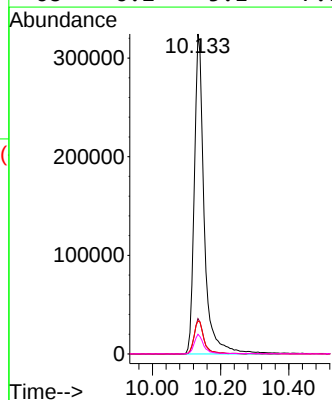
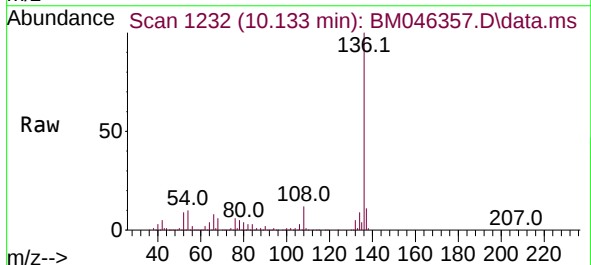
Instrument :
BNA_M
ClientSampleId :
1A

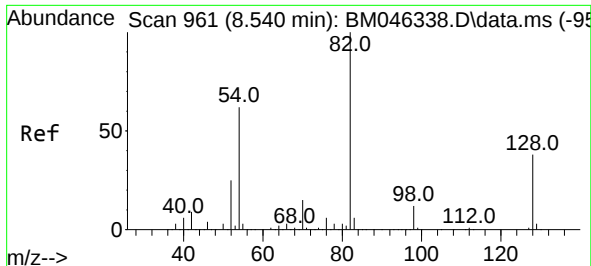
Tgt Ion: 99 Resp: 1118000
Ion Ratio Lower Upper
99 100
42 29.0 24.8 37.2
71 41.2 33.1 49.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.133 min Scan# 1232
Delta R.T. 0.005 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion: 136 Resp: 653120
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.3 9.0 13.4
68 6.2 5.1 7.7

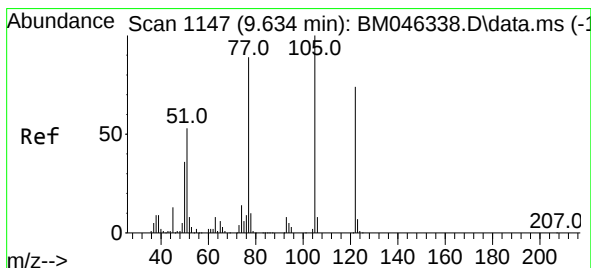
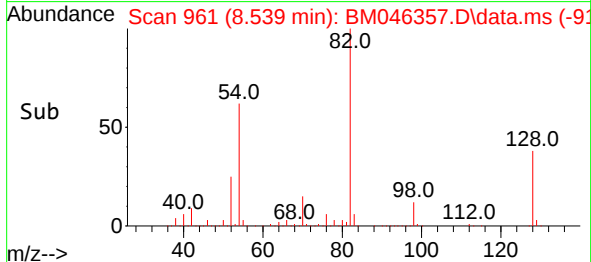
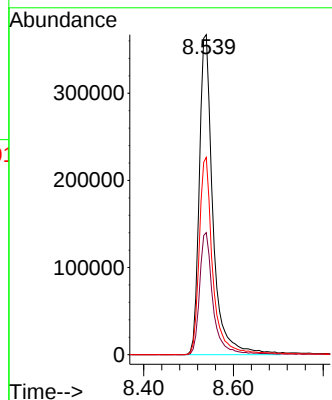
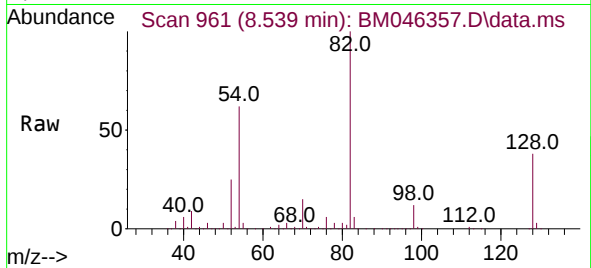




#23
Nitrobenzene-d5
Concen: 49.269 ng
RT: 8.539 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

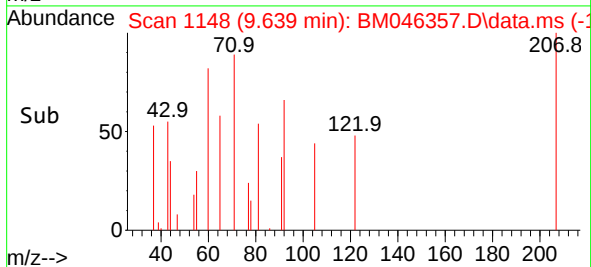
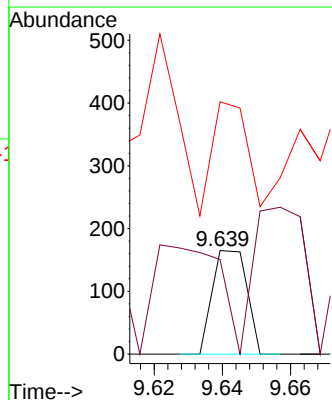
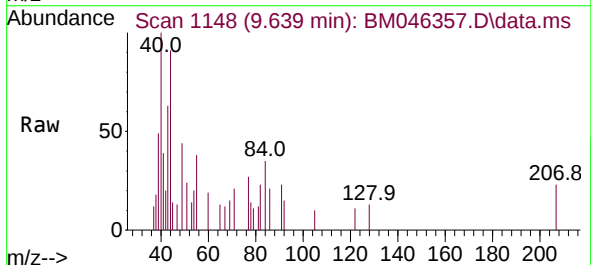
Instrument :
BNA_M
ClientSampleId :
1A

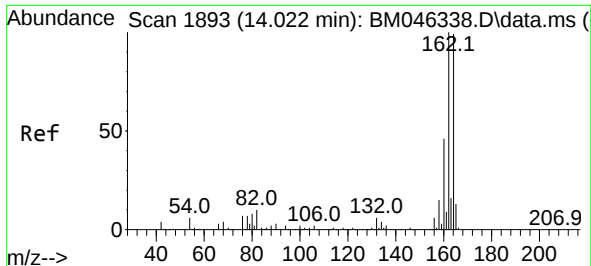
Tgt Ion: 82 Resp: 776216
Ion Ratio Lower Upper
82 100
128 38.1 30.6 46.0
54 61.7 49.6 74.4



#32
Benzoic acid
Concen: 2.698 ng
RT: 9.639 min Scan# 1148
Delta R.T. 0.005 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion:122 Resp: 116
Ion Ratio Lower Upper
122 100
105 91.5 115.0 155.0#
77 243.6 100.1 140.1#

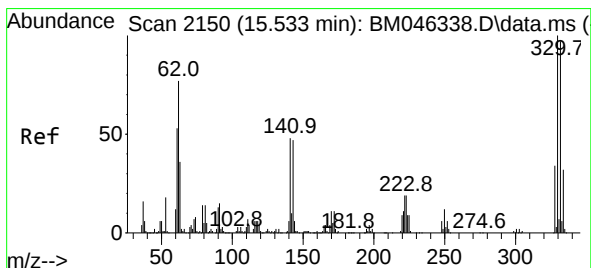
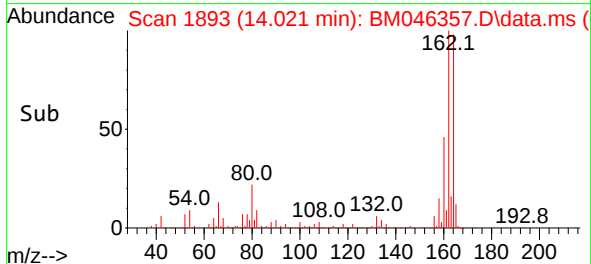
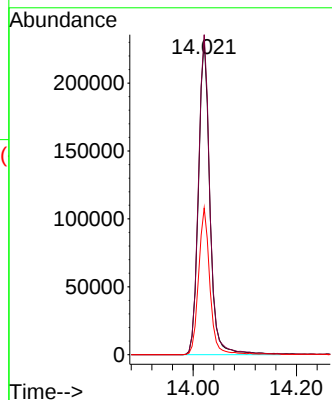
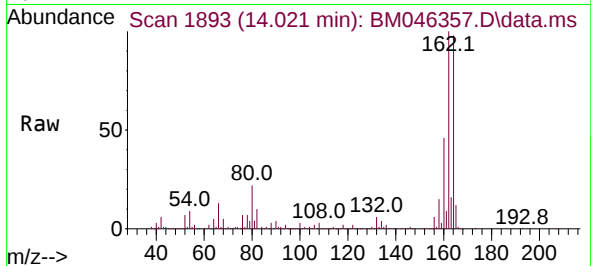




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.021 min Scan# 1
Delta R.T. -0.001 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

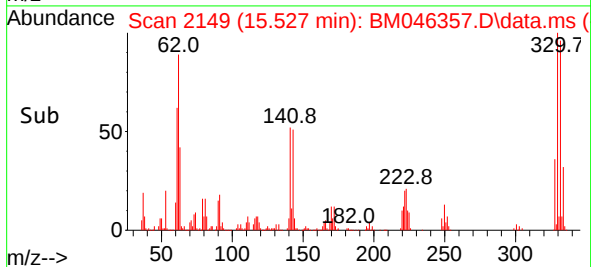
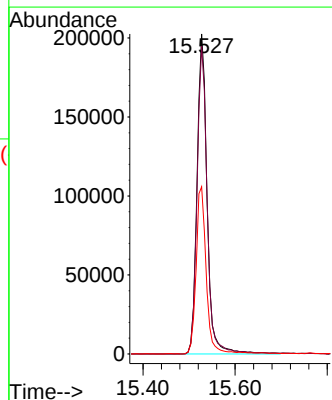
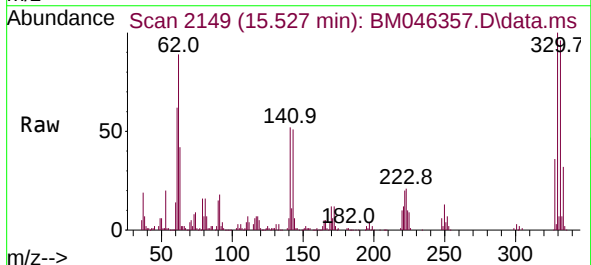
Instrument :
BNA_M
ClientSampleId :
1A

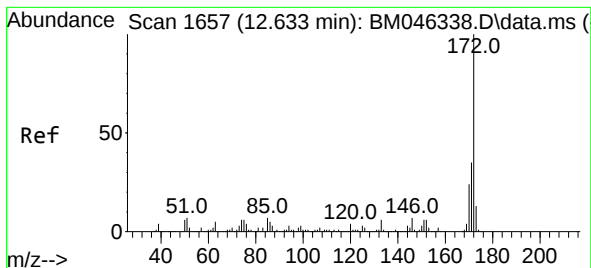
Tgt Ion:164 Resp: 355224
Ion Ratio Lower Upper
164 100
162 101.6 80.5 120.7
160 46.6 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 71.143 ng
RT: 15.527 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion:330 Resp: 307334
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.6
141 52.7 43.2 64.8





#45

2-Fluorobiphenyl

Concen: 45.572 ng

RT: 12.639 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

Instrument :

BNA_M

ClientSampleId :

1A

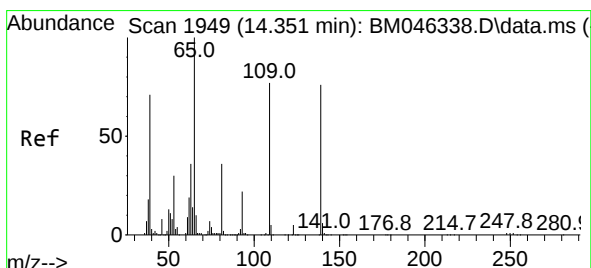
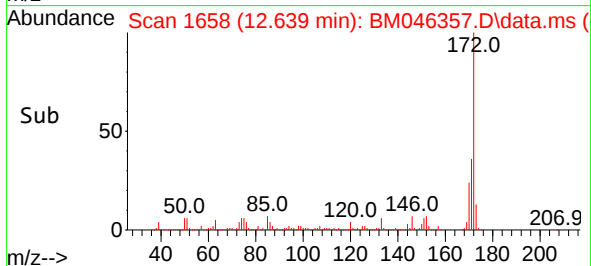
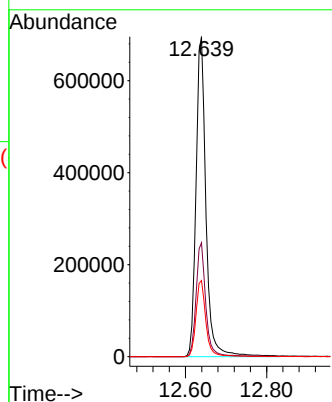
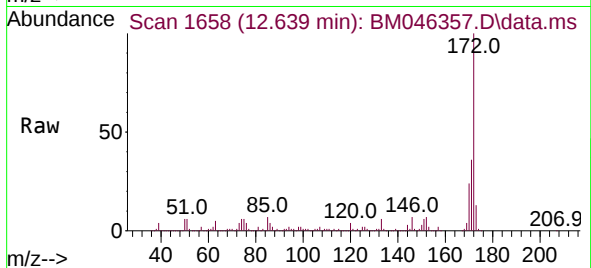
Tgt Ion:172 Resp: 1194366

Ion Ratio Lower Upper

172 100

171 35.6 28.1 42.1

170 23.8 19.4 29.0



#56

4-Nitrophenol

Concen: 4.141 ng

RT: 14.445 min Scan# 1965

Delta R.T. 0.094 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

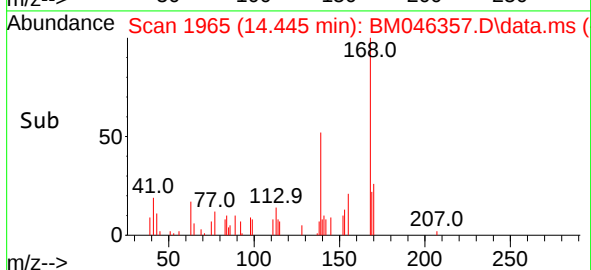
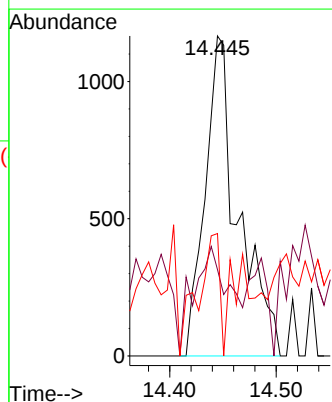
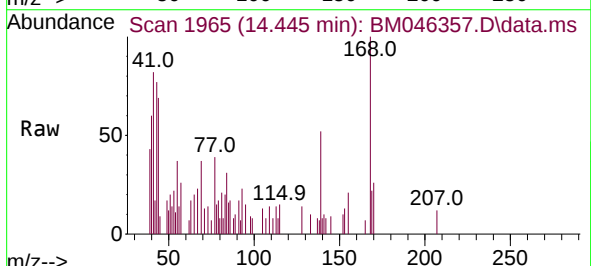
Tgt Ion:139 Resp: 2511

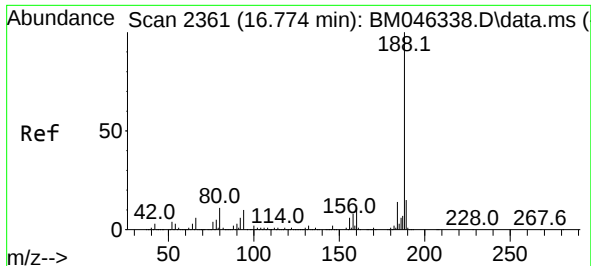
Ion Ratio Lower Upper

139 100

109 27.0 82.0 122.0#

65 38.3 112.0 152.0#

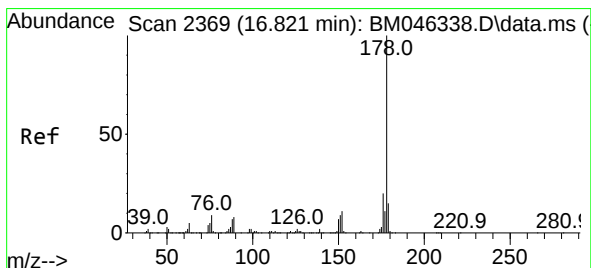
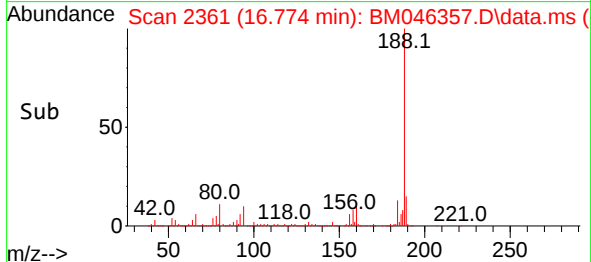
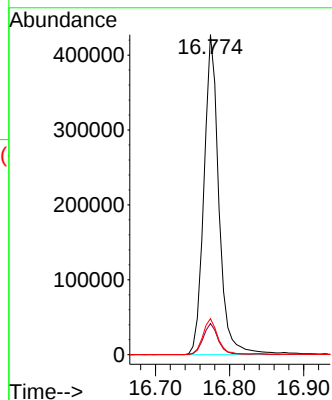
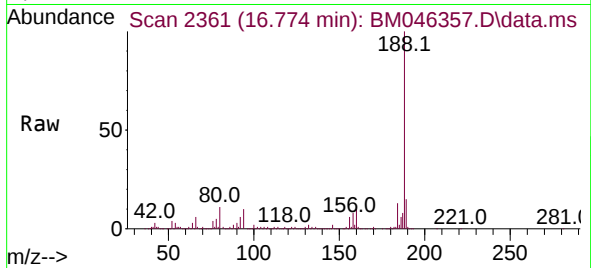




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

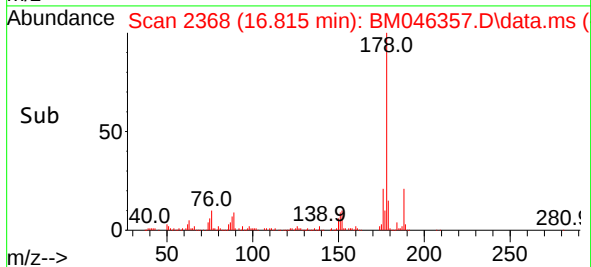
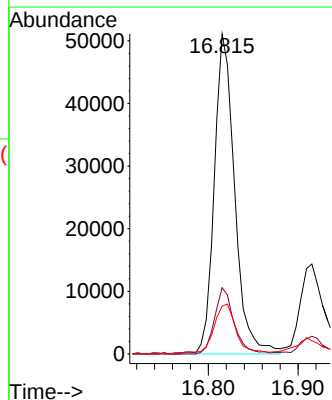
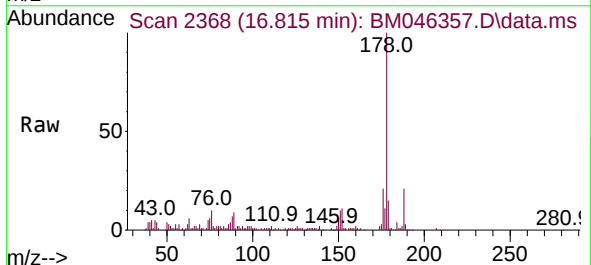
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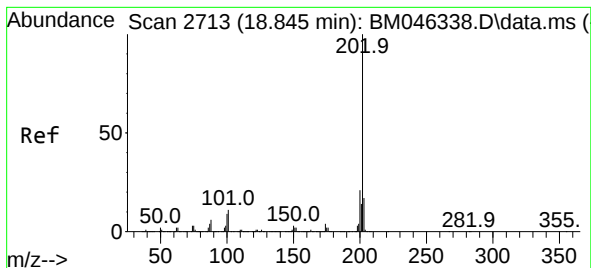
Tgt Ion:188 Resp: 601293
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 11.3 9.0 13.6



#71
Phenanthrene
Concen: 2.525 ng
RT: 16.815 min Scan# 2368
Delta R.T. -0.006 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion:178 Resp: 80804
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 14.9 12.2 18.4





#75

Fluoranthene

Concen: 3.113 ng

RT: 18.845 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

Instrument :

BNA_M

ClientSampleId :

1A

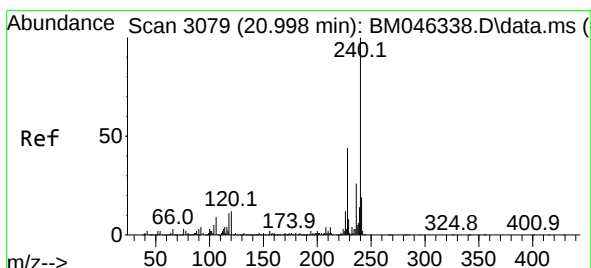
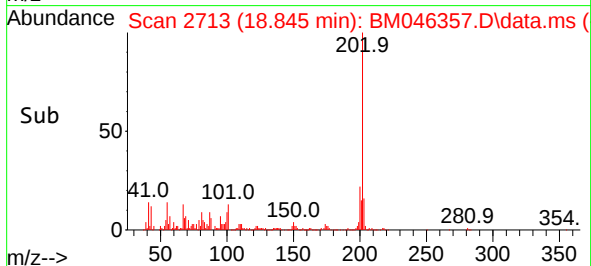
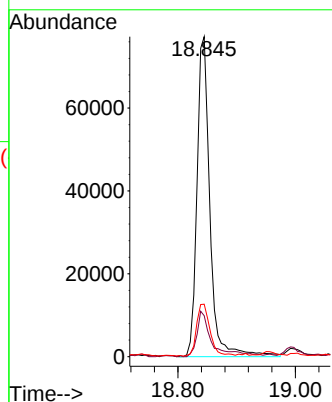
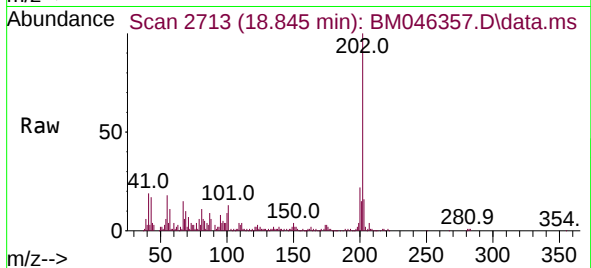
Tgt Ion:202 Resp: 117714

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.4

203 16.4 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 20.991 min Scan# 3078

Delta R.T. -0.006 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

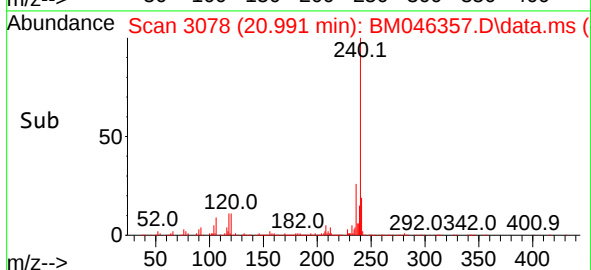
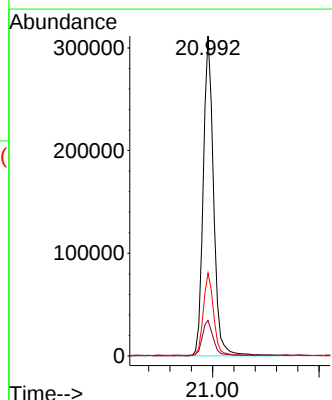
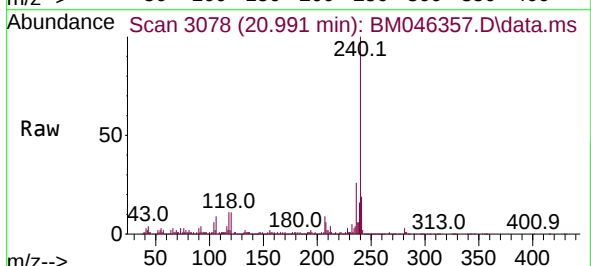
Tgt Ion:240 Resp: 418085

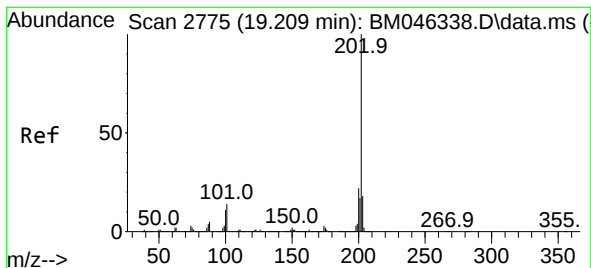
Ion Ratio Lower Upper

240 100

120 11.1 9.3 13.9

236 25.9 20.5 30.7





#78

Pyrene

Concen: 3.425 ng

RT: 19.209 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

Instrument :

BNA_M

ClientSampleId :

1A

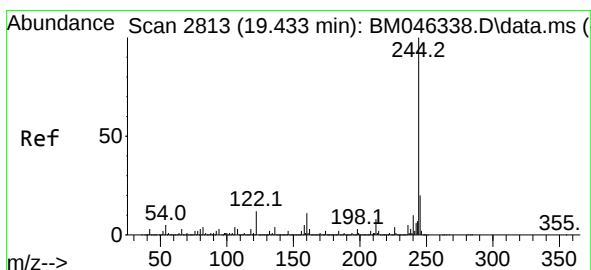
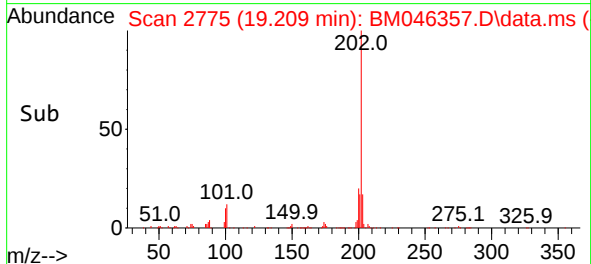
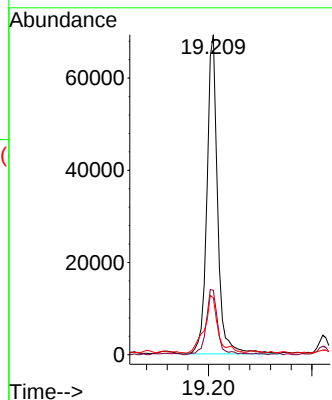
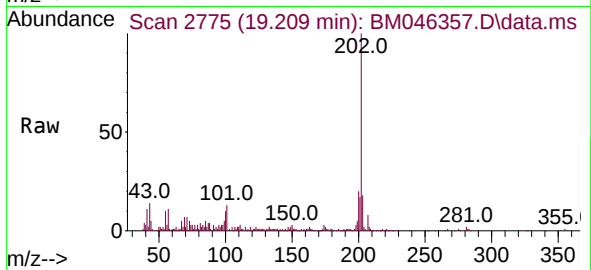
Tgt Ion:202 Resp: 99466

Ion Ratio Lower Upper

202 100

200 20.2 17.3 25.9

203 17.8 14.3 21.5



#79

Terphenyl-d14

Concen: 44.637 ng

RT: 19.421 min Scan# 2811

Delta R.T. -0.012 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

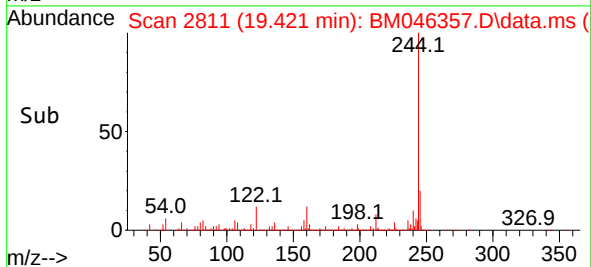
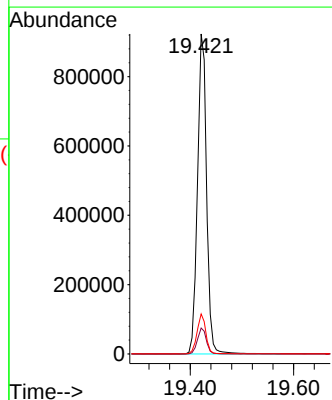
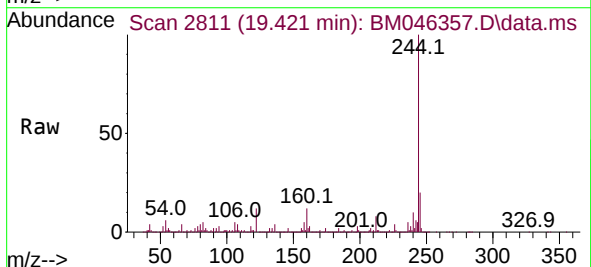
Tgt Ion:244 Resp: 1127964

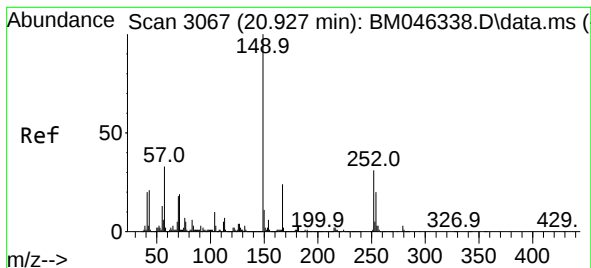
Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

122 12.5 9.4 14.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.570 ng

RT: 20.921 min Scan# 3066

Delta R.T. -0.006 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

Instrument :

BNA_M

ClientSampleId :

1A

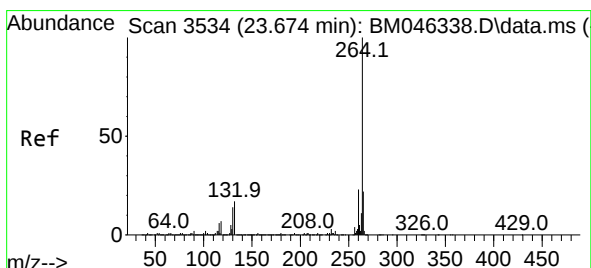
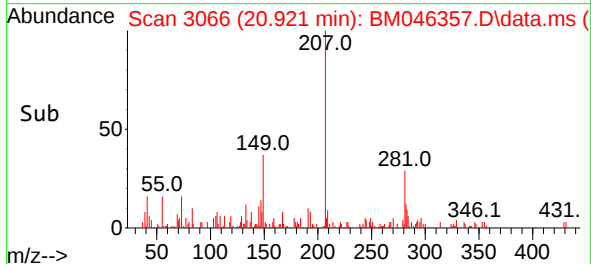
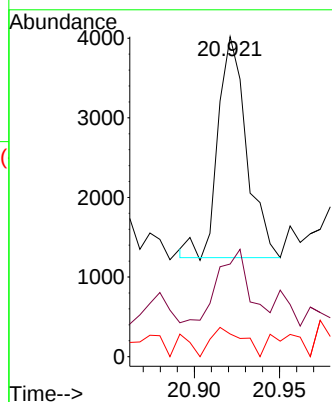
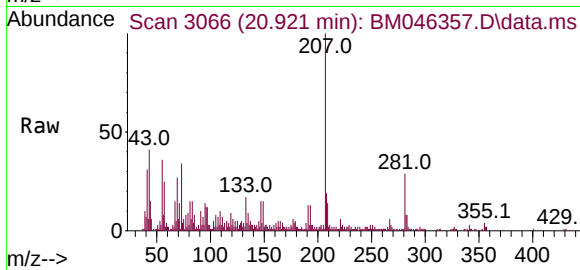
Tgt Ion:149 Resp: 3241

Ion Ratio Lower Upper

149 100

167 29.0 19.6 29.4

279 7.1 2.6 4.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.662 min Scan# 3532

Delta R.T. -0.012 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

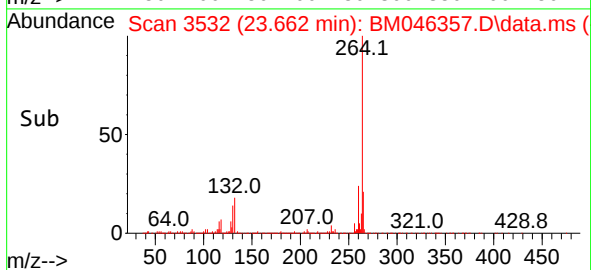
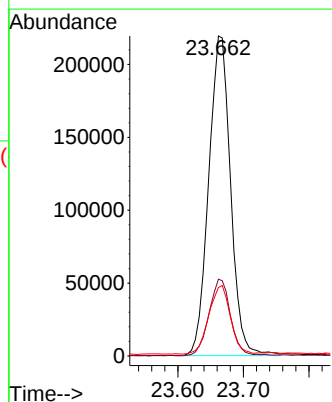
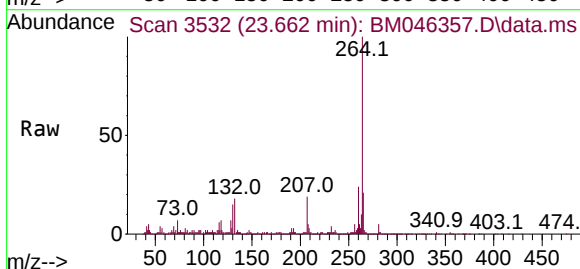
Tgt Ion:264 Resp: 508852

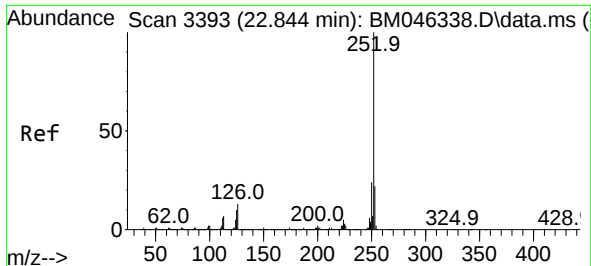
Ion Ratio Lower Upper

264 100

260 24.0 18.5 27.7

265 21.4 17.7 26.5

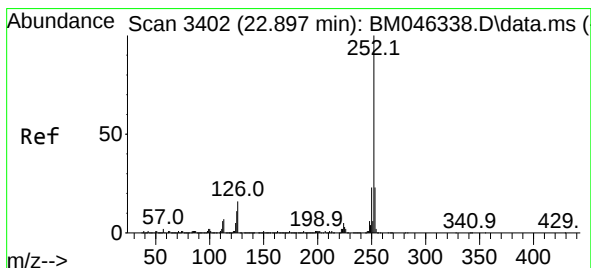
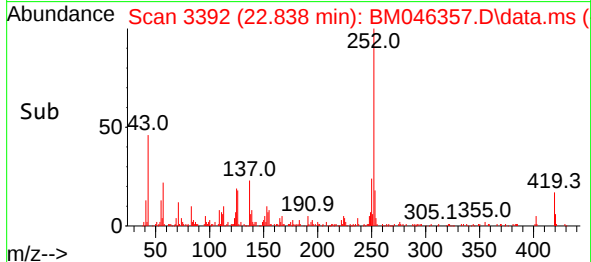
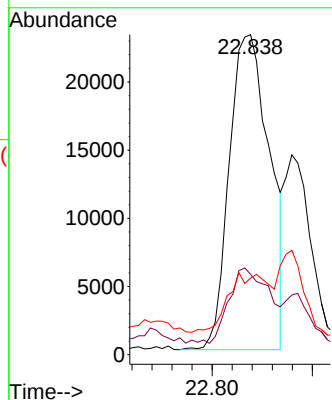
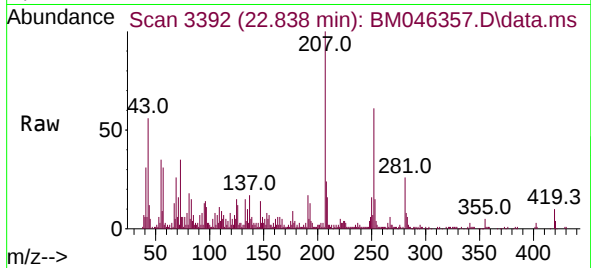




#88
Benzo(b)fluoranthene
Concen: 2.148 ng
RT: 22.838 min Scan# 3392
Delta R.T. -0.006 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Instrument :
BNA_M
ClientSampleId :
1A

Tgt Ion:252 Resp: 64729
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 23.9 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 2.159 ng
RT: 22.838 min Scan# 3392
Delta R.T. -0.059 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion:252 Resp: 64729
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 23.9 8.9 13.3#

