

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
 Data File : BM041223.D
 Acq On : 01 Aug 2023 14:03
 Operator : MA/JU
 Sample : 03797-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HANOVER-ST-1

Quant Time: Aug 01 15:50:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 31 16:29:28 2023
 Response via : Initial Calibration

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

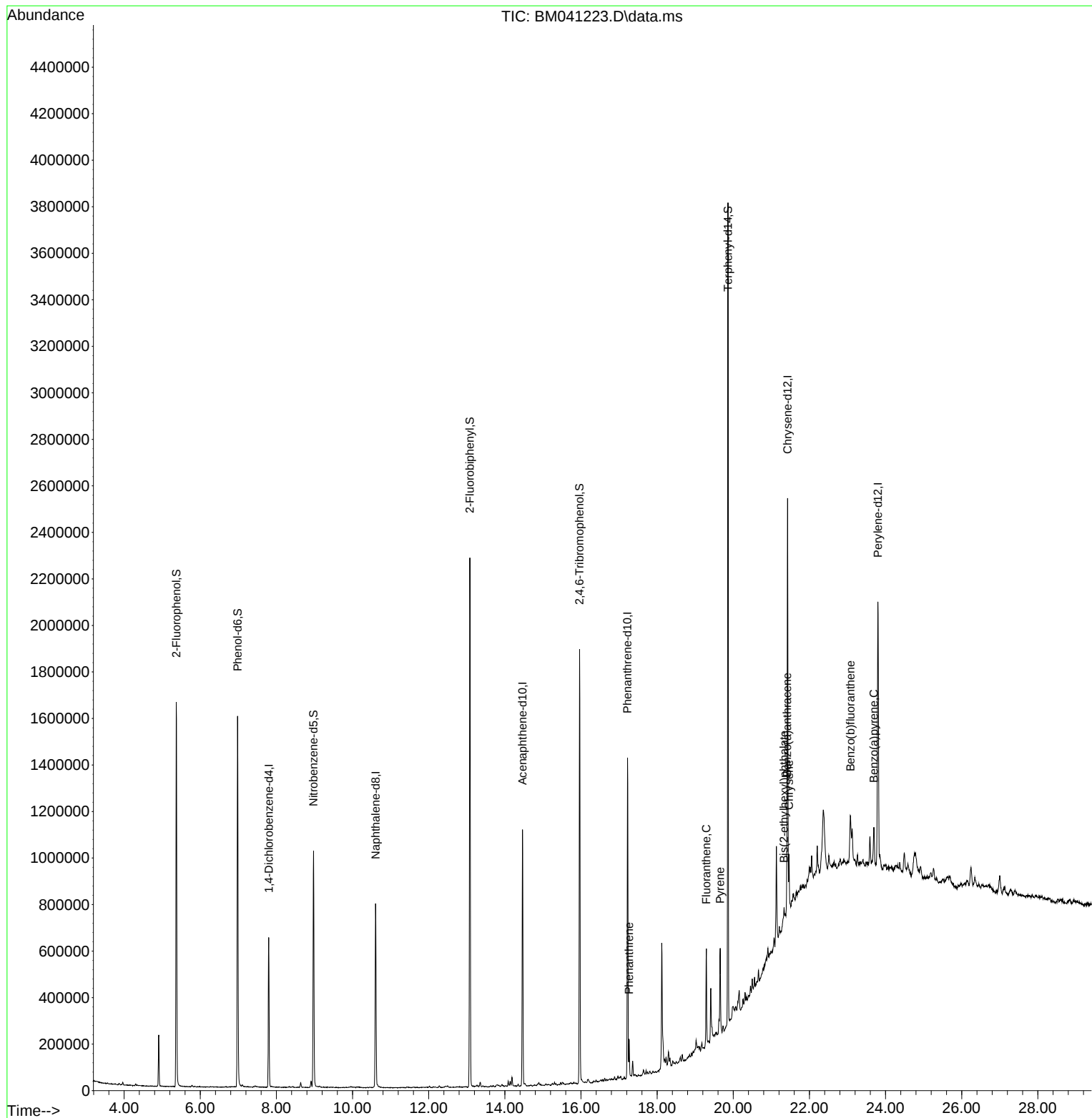
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	164751	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	624118	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	363670	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	785033	20.000	ng	0.00
76) Chrysene-d12	21.427	240	746682	20.000	ng	0.00
86) Perylene-d12	23.797	264	845380	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	690377	62.630	ng	0.00
7) Phenol-d6	6.981	99	874735	61.219	ng	0.00
23) Nitrobenzene-d5	8.975	82	576306	42.942	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	343881	66.852	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	1121053	38.941	ng	0.00
79) Terphenyl-d14	19.862	244	1761697	42.659	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.263	178	94717	2.172	ng	99
75) Fluoranthene	19.292	202	214868	4.385	ng	100
78) Pyrene	19.656	202	219440	4.203	ng	99
81) Benzo(a)anthracene	21.409	228	119296	2.357	ng	95
83) Chrysene	21.462	228	127858	2.611	ng	96
84) Bis(2-ethylhexyl)phtha...	21.333	149	15403	3.021	ng	# 99
88) Benzo(b)fluoranthene	23.080	252	177764	3.540	ng	93
90) Benzo(a)pyrene	23.692	252	113901	2.360	ng	# 93

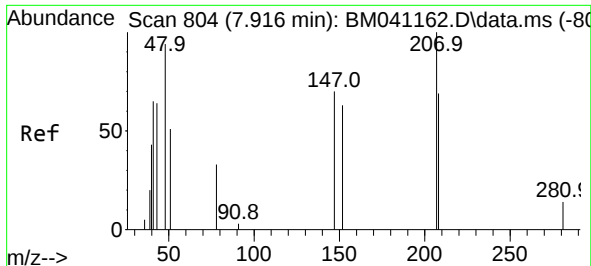
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
Data File : BM041223.D
Acq On : 01 Aug 2023 14:03
Operator : MA/JU
Sample : 03797-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-1

Quant Time: Aug 01 15:50:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 31 16:29:28 2023
Response via : Initial Calibration



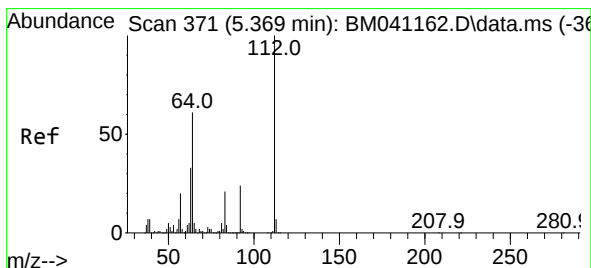
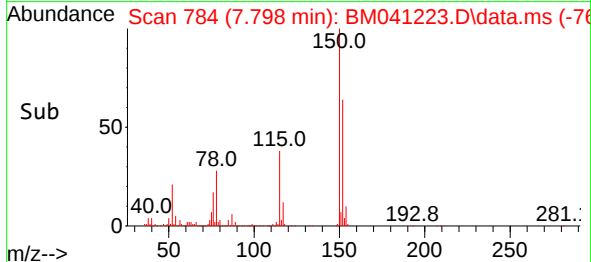
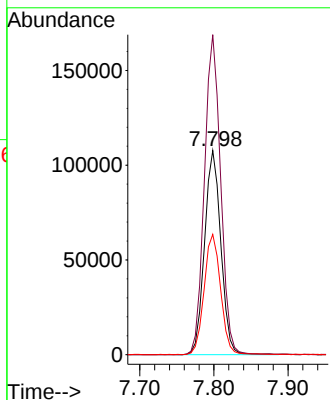
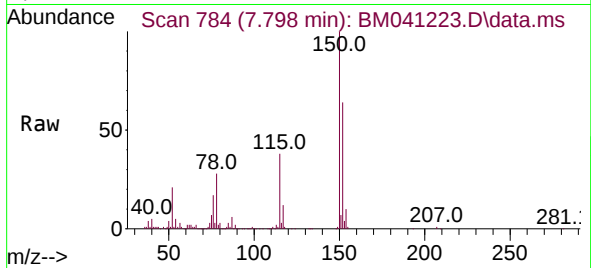


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.798 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BM041223.D
 Acq: 01 Aug 2023 14:03

Instrument :
 BNA_M
 ClientSampleId :
 HANOVER-ST-1

Tgt Ion:152 Resp: 164751

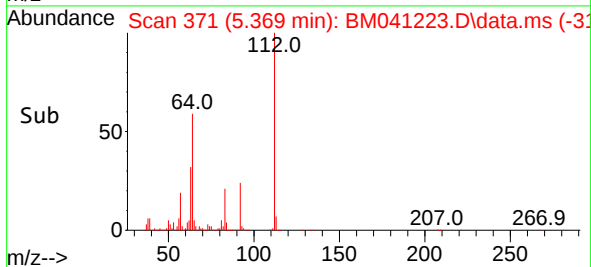
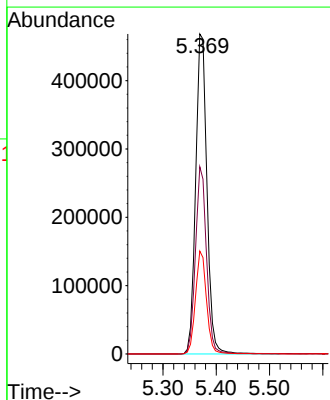
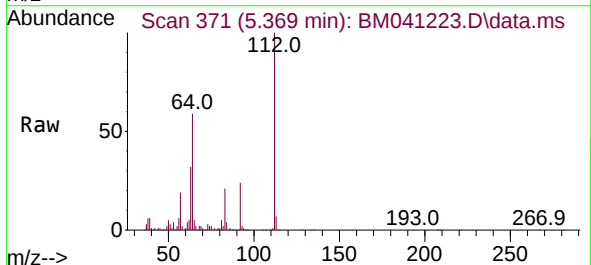
Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.5	188.3
115	58.9	48.0	72.0

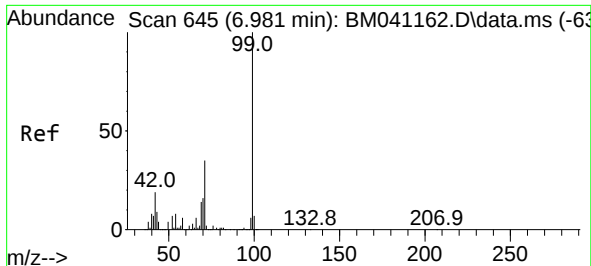


#5
 2-Fluorophenol
 Concen: 62.630 ng
 RT: 5.369 min Scan# 371
 Delta R.T. 0.006 min
 Lab File: BM041223.D
 Acq: 01 Aug 2023 14:03

Tgt Ion:112 Resp: 690377

Ion	Ratio	Lower	Upper
112	100		
64	58.5	48.5	72.7
63	32.2	26.5	39.7

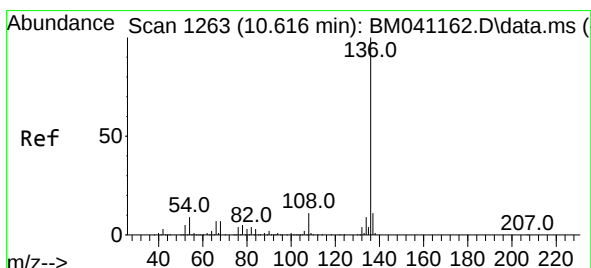
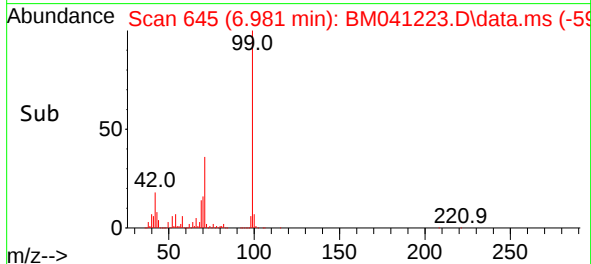
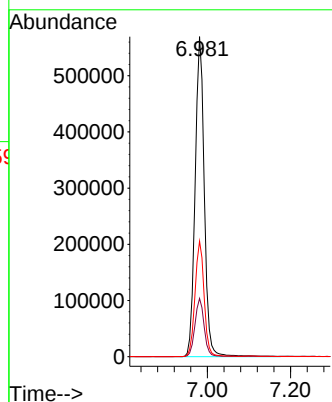
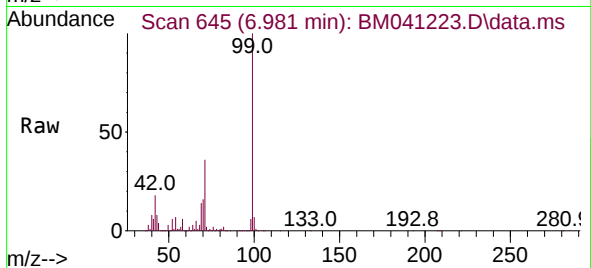




#7
Phenol-d6
Concen: 61.219 ng
RT: 6.981 min Scan# 645
Delta R.T. 0.006 min
Lab File: BM041223.D
Acq: 01 Aug 2023 14:03

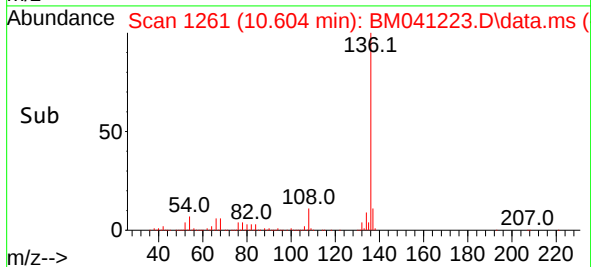
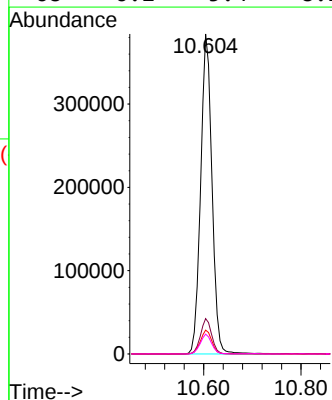
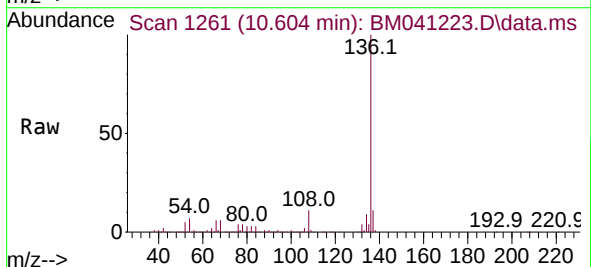
Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-1

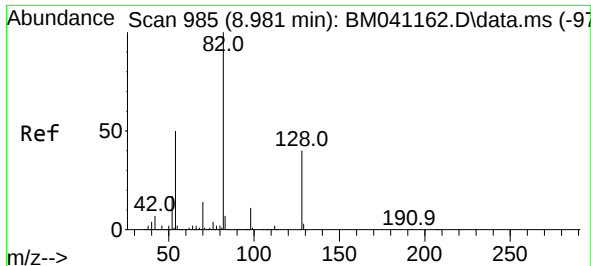
Tgt Ion: 99 Resp: 874735
Ion Ratio Lower Upper
99 100
42 18.2 15.4 23.0
71 36.1 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM041223.D
Acq: 01 Aug 2023 14:03

Tgt Ion: 136 Resp: 624118
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.4 6.9 10.3
68 6.2 5.4 8.2

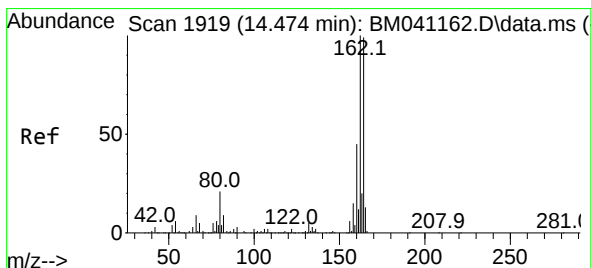
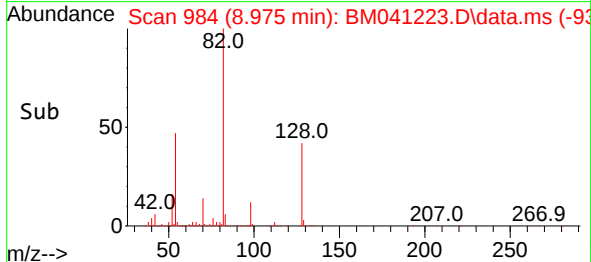
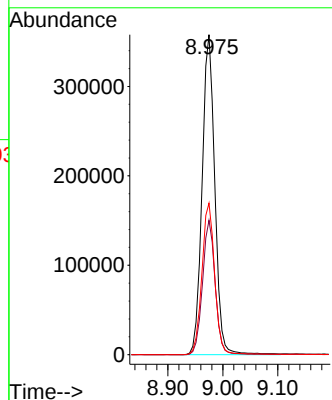
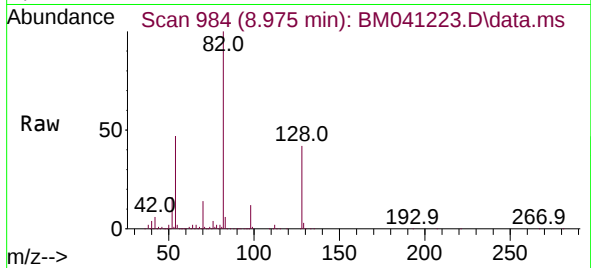




#23
Nitrobenzene-d5
Concen: 42.942 ng
RT: 8.975 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM041223.D
Acq: 01 Aug 2023 14:03

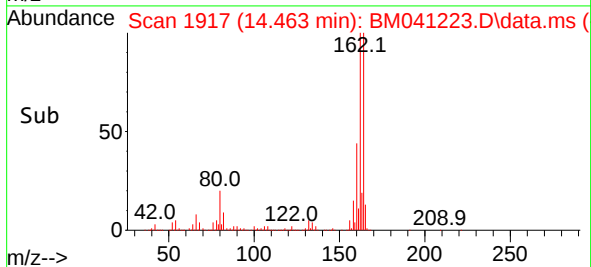
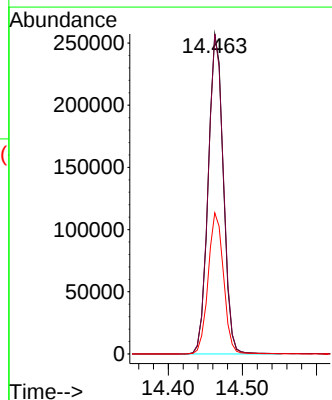
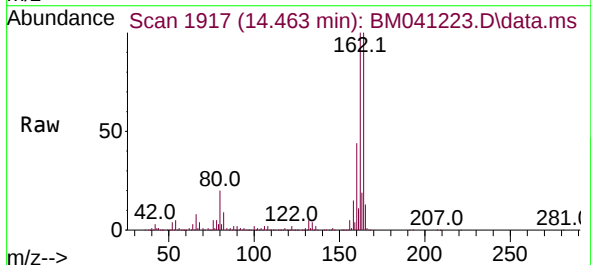
Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-1

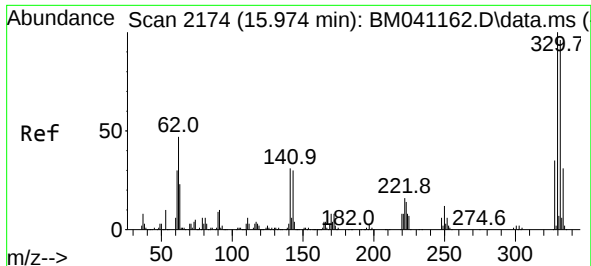
Tgt Ion: 82 Resp: 576306
Ion Ratio Lower Upper
82 100
128 42.0 31.8 47.6
54 47.3 40.1 60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BM041223.D
Acq: 01 Aug 2023 14:03

Tgt Ion: 164 Resp: 363670
Ion Ratio Lower Upper
164 100
162 100.0 80.4 120.6
160 44.1 36.2 54.2

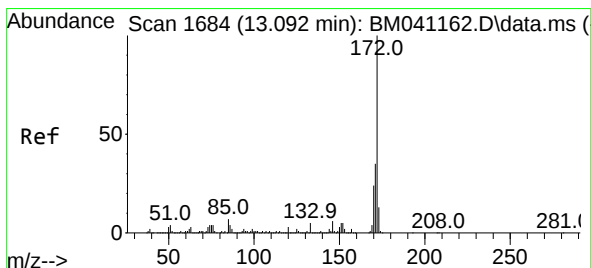
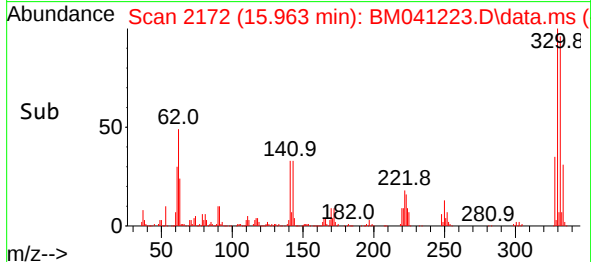
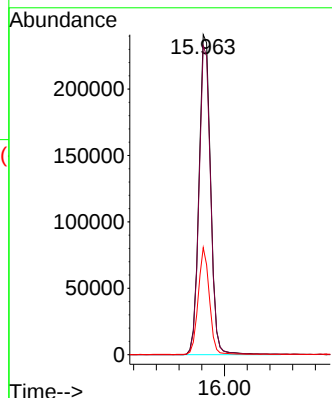
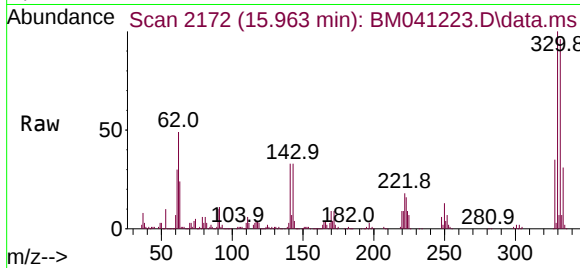




#42
2,4,6-Tribromophenol
Concen: 66.852 ng
RT: 15.963 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BM041223.D
Acq: 01 Aug 2023 14:03

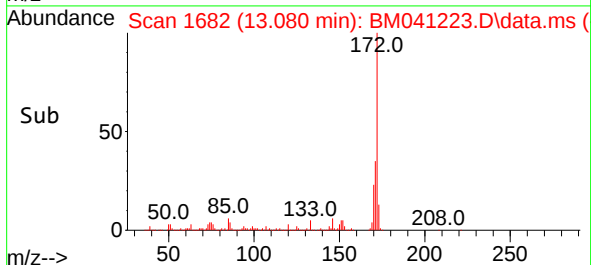
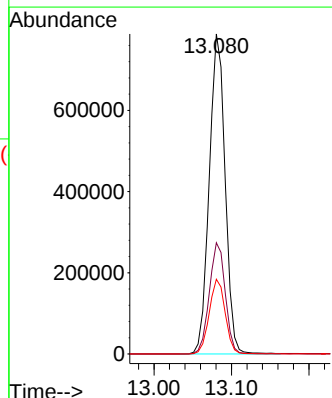
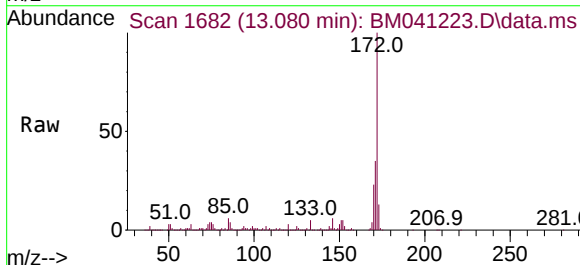
Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-1

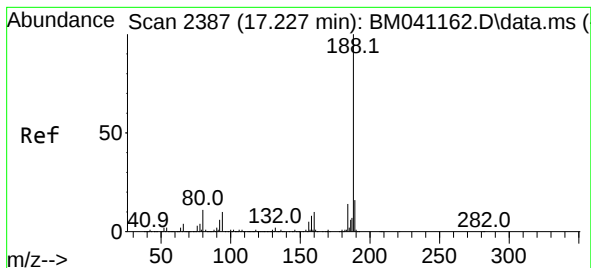
Tgt Ion:330 Resp: 343881
Ion Ratio Lower Upper
330 100
332 96.1 77.7 116.5
141 32.5 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 38.941 ng
RT: 13.080 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM041223.D
Acq: 01 Aug 2023 14:03

Tgt Ion:172 Resp: 1121053
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.4 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM041223.D

Acq: 01 Aug 2023 14:03

Instrument :

BNA_M

ClientSampleId :

HANOVER-ST-1

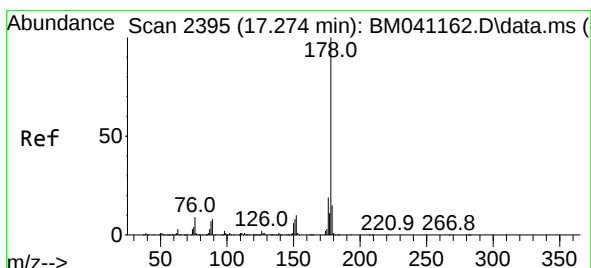
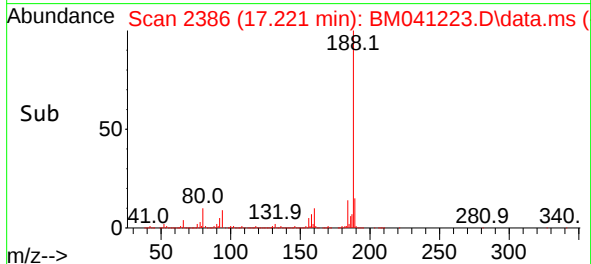
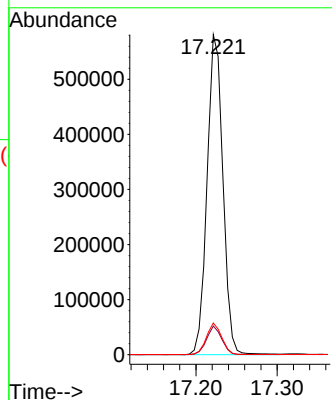
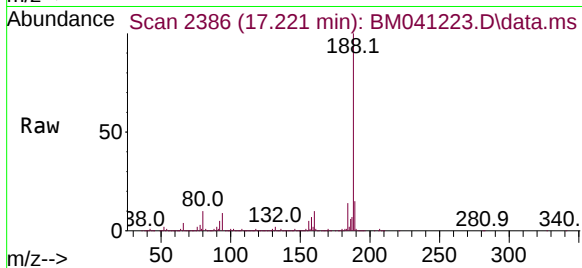
Tgt Ion:188 Resp: 785033

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

80 9.9 8.6 13.0



#71

Phenanthrene

Concen: 2.172 ng

RT: 17.263 min Scan# 2393

Delta R.T. -0.006 min

Lab File: BM041223.D

Acq: 01 Aug 2023 14:03

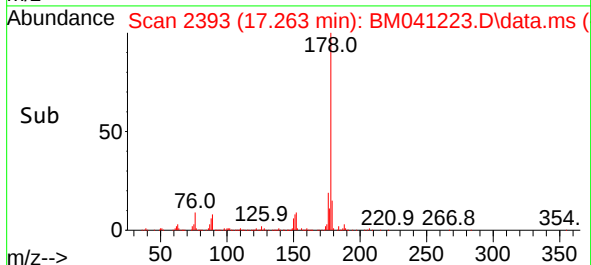
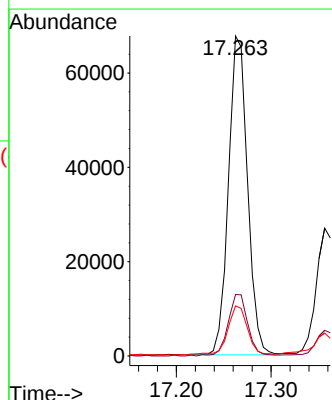
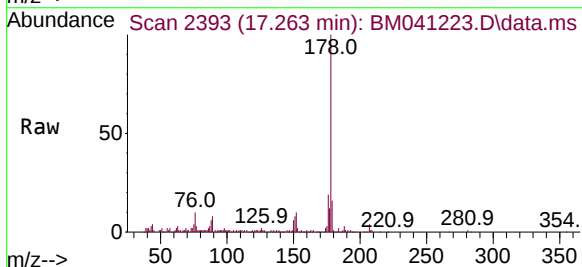
Tgt Ion:178 Resp: 94717

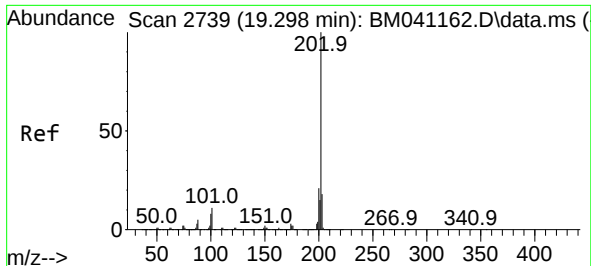
Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 15.7 12.1 18.1

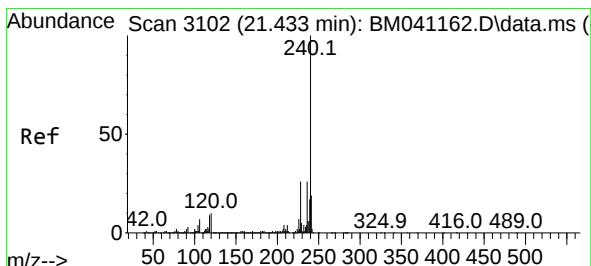
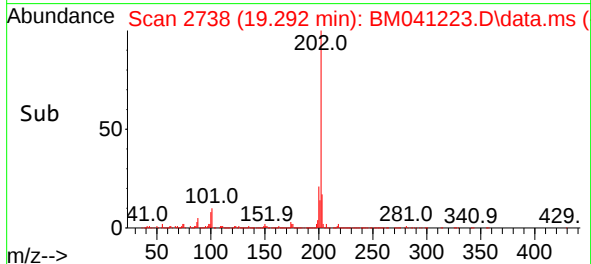
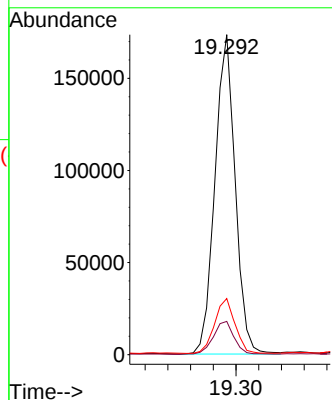
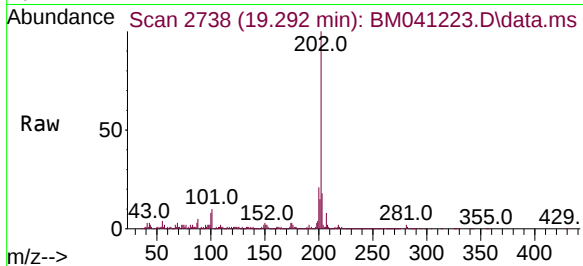




#75
Fluoranthene
Concen: 4.385 ng
RT: 19.292 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM041223.D
Acq: 01 Aug 2023 14:03

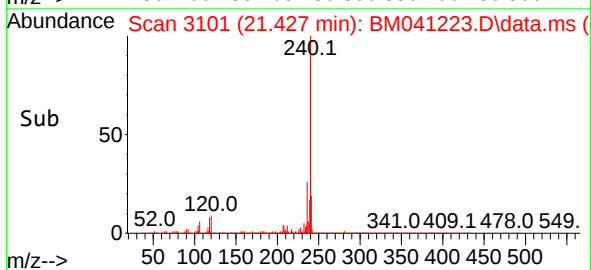
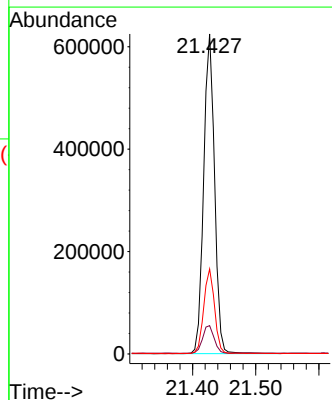
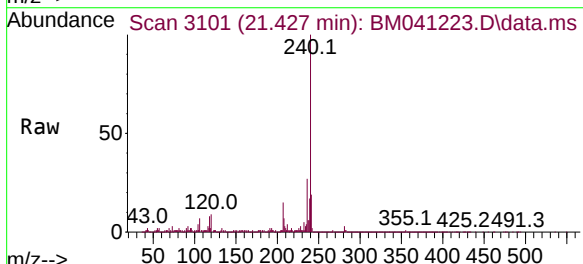
Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-1

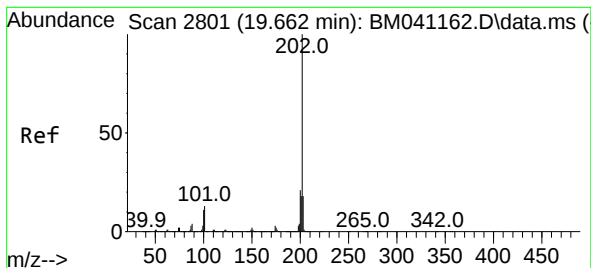
Tgt Ion:202 Resp: 214868
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.8
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BM041223.D
Acq: 01 Aug 2023 14:03

Tgt Ion:240 Resp: 746682
Ion Ratio Lower Upper
240 100
120 8.8 8.3 12.5
236 26.6 20.6 30.8





#78

Pyrene

Concen: 4.203 ng

RT: 19.656 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM041223.D

Acq: 01 Aug 2023 14:03

Instrument :

BNA_M

ClientSampleId :

HANOVER-ST-1

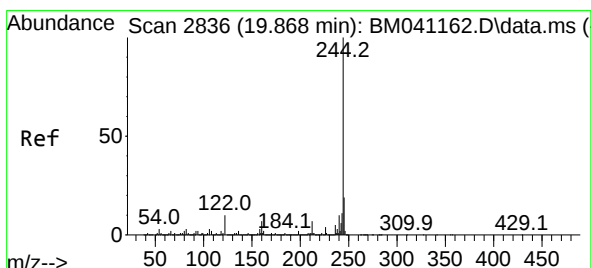
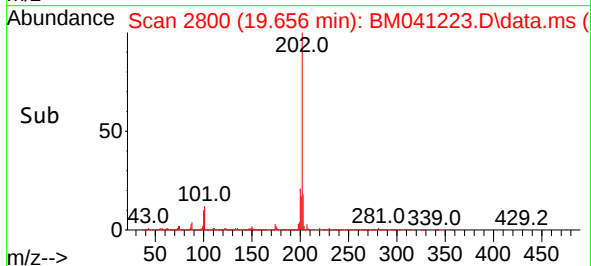
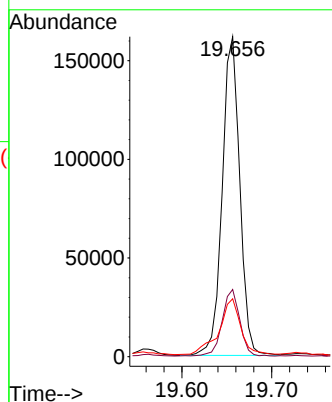
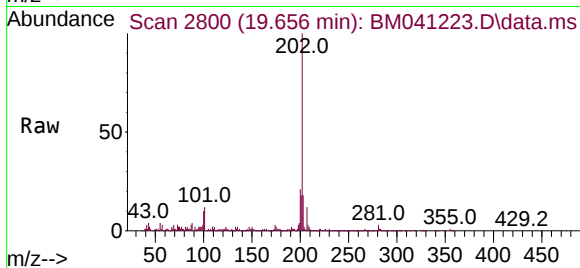
Tgt Ion:202 Resp: 219440

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 42.659 ng

RT: 19.862 min Scan# 2835

Delta R.T. 0.000 min

Lab File: BM041223.D

Acq: 01 Aug 2023 14:03

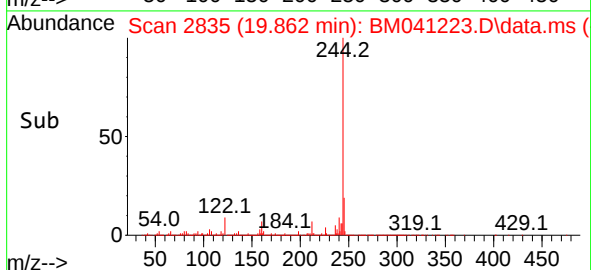
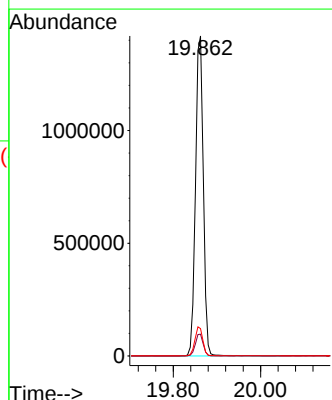
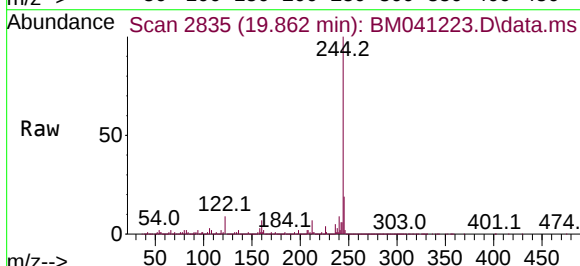
Tgt Ion:244 Resp: 1761697

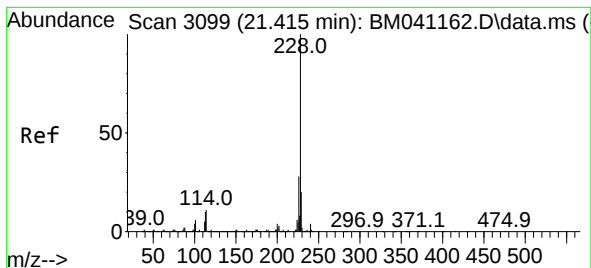
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 8.6 7.8 11.6





#81

Benzo(a)anthracene

Concen: 2.357 ng

RT: 21.409 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BM041223.D

Acq: 01 Aug 2023 14:03

Instrument :

BNA_M

ClientSampleId :

HANOVER-ST-1

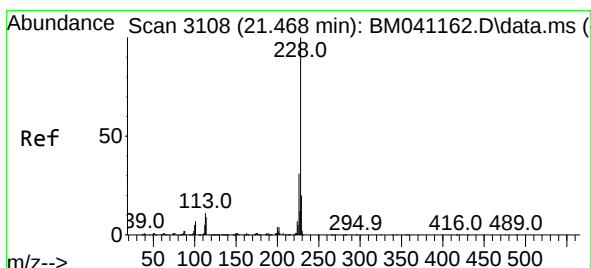
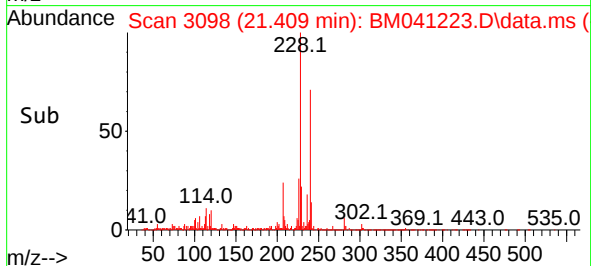
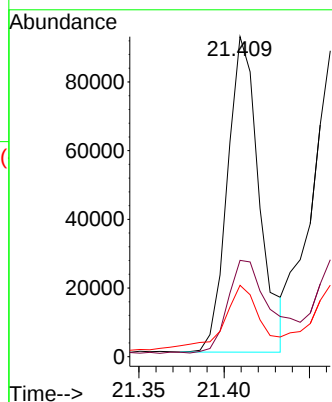
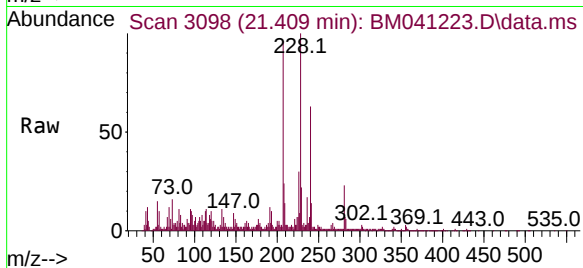
Tgt Ion:228 Resp: 119296

Ion Ratio Lower Upper

228 100

226 30.1 22.4 33.6

229 22.3 15.8 23.8



#83

Chrysene

Concen: 2.611 ng

RT: 21.462 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BM041223.D

Acq: 01 Aug 2023 14:03

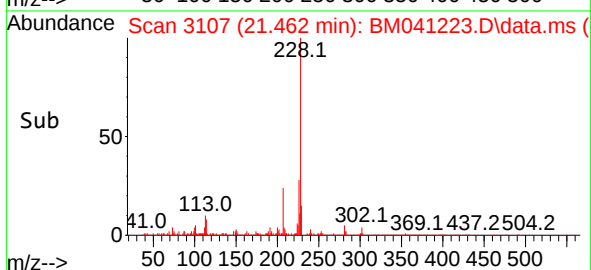
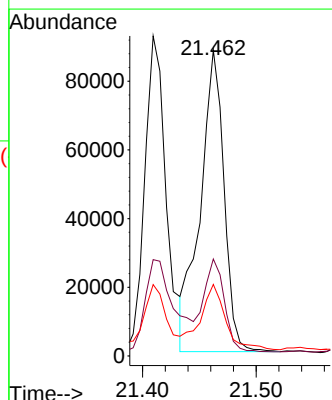
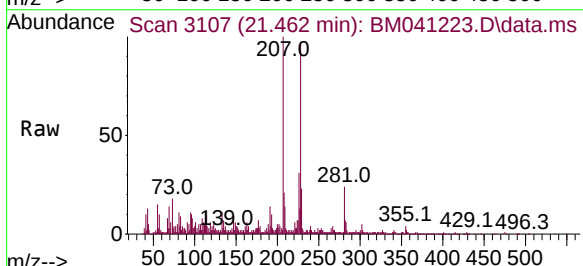
Tgt Ion:228 Resp: 127858

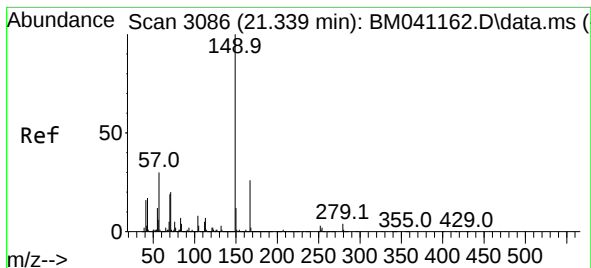
Ion Ratio Lower Upper

228 100

226 31.7 24.5 36.7

229 23.4 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.021 ng

RT: 21.333 min Scan# 3086

Delta R.T. -0.006 min

Lab File: BM041223.D

Acq: 01 Aug 2023 14:03

Instrument :

BNA_M

ClientSampleId :

HANOVER-ST-1

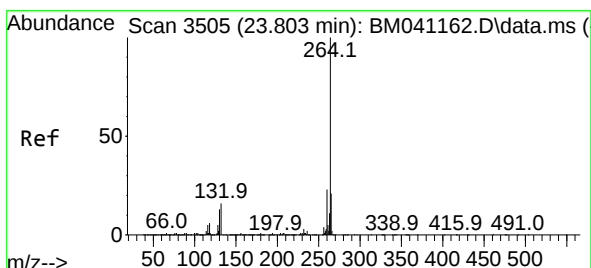
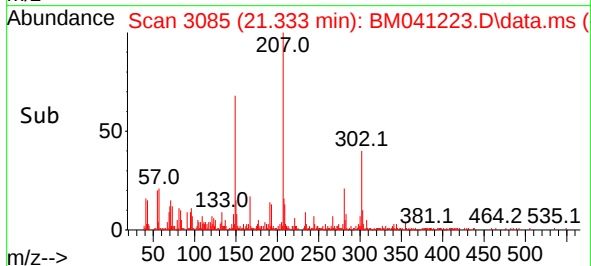
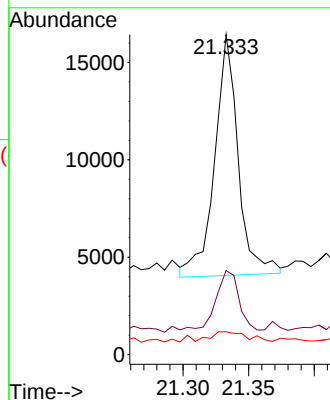
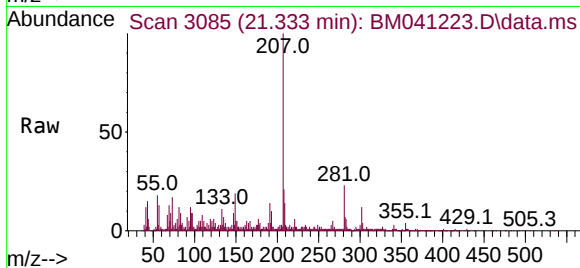
Tgt Ion:149 Resp: 15403

Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.6

279 7.1 3.1 4.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.797 min Scan# 3504

Delta R.T. 0.000 min

Lab File: BM041223.D

Acq: 01 Aug 2023 14:03

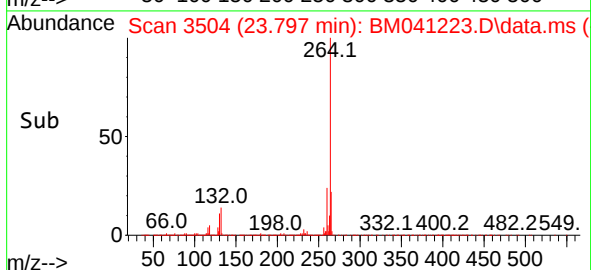
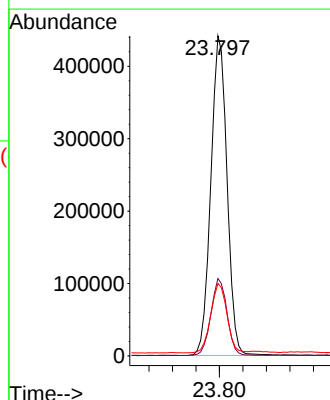
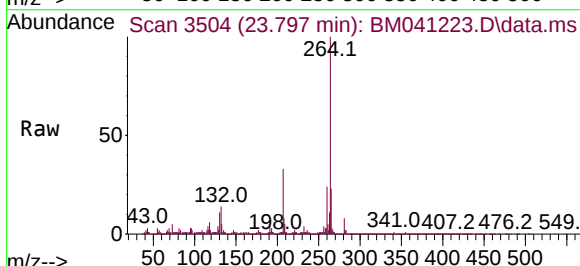
Tgt Ion:264 Resp: 845380

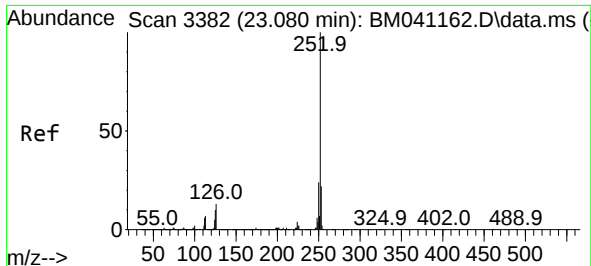
Ion Ratio Lower Upper

264 100

260 24.2 18.5 27.7

265 22.7 17.4 26.0

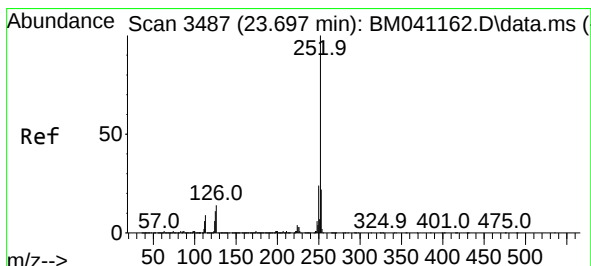
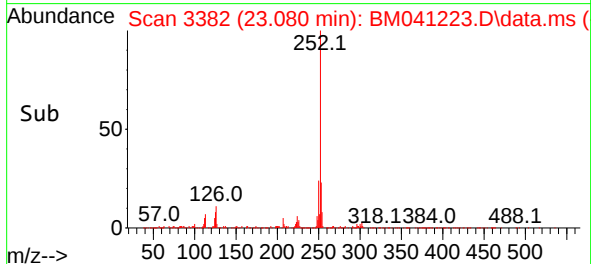
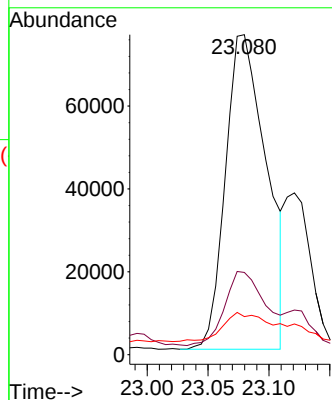
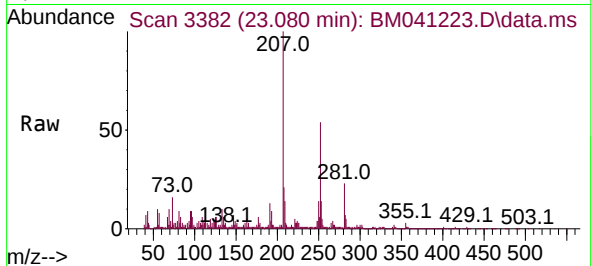




#88
Benzo(b)fluoranthene
Concen: 3.540 ng
RT: 23.080 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM041223.D
Acq: 01 Aug 2023 14:03

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-1

Tgt Ion:252 Resp: 177764
Ion Ratio Lower Upper
252 100
253 25.7 17.7 26.5
125 11.9 8.2 12.4



#90
Benzo(a)pyrene
Concen: 2.360 ng
RT: 23.692 min Scan# 3486
Delta R.T. 0.000 min
Lab File: BM041223.D
Acq: 01 Aug 2023 14:03

Tgt Ion:252 Resp: 113901
Ion Ratio Lower Upper
252 100
253 24.7 17.3 25.9
125 14.3 9.0 13.4#

