

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
 Data File : BM041368.D
 Acq On : 10 Aug 2023 18:25
 Operator : MA/JU
 Sample : 03955-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-22

Quant Time: Aug 11 03:34:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 09 12:20:12 2023
 Response via : Initial Calibration

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

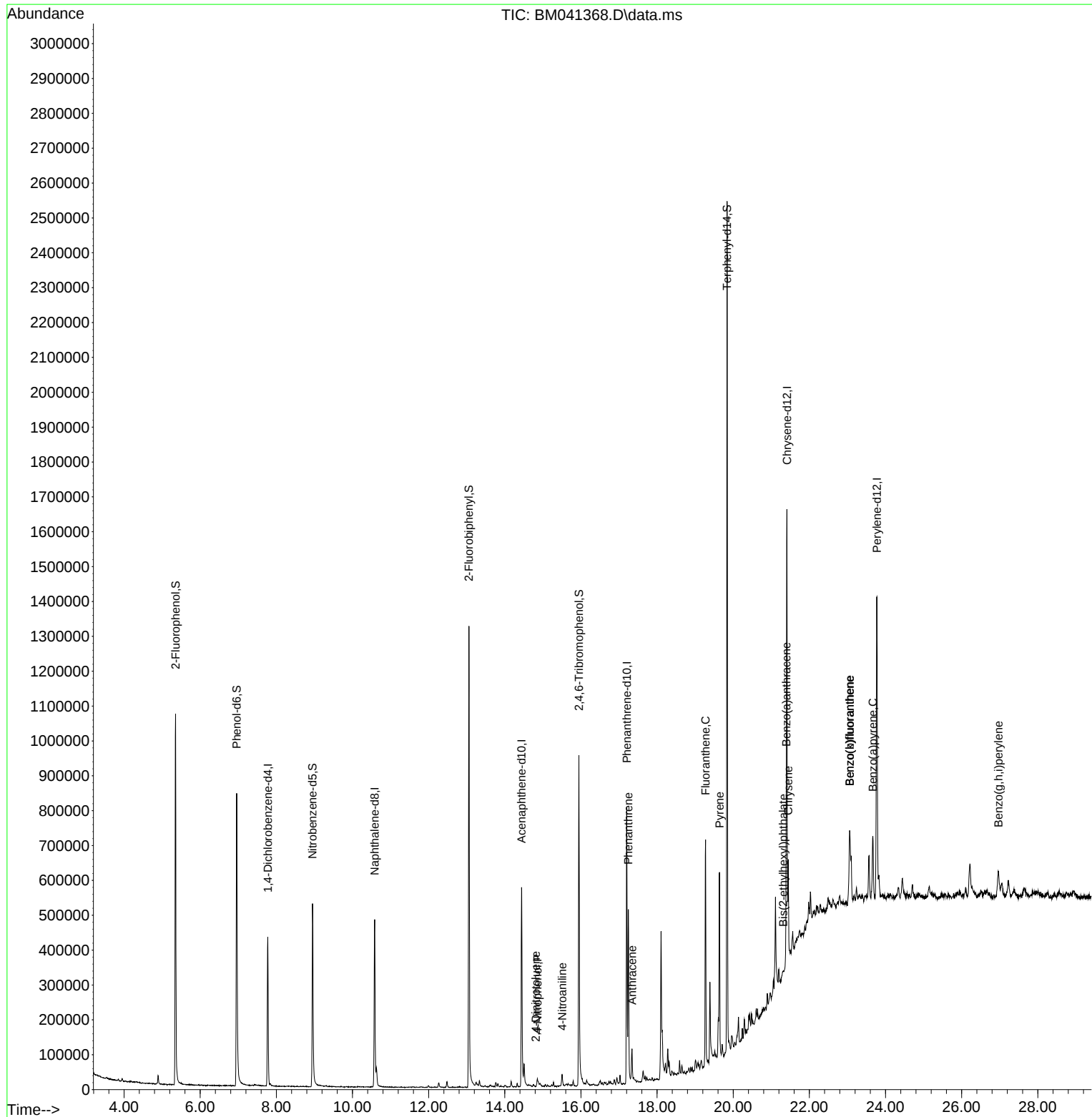
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	113968	20.000	ng	0.00
21) Naphthalene-d8	10.580	136	412063	20.000	ng	0.00
39) Acenaphthene-d10	14.439	164	232076	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	497184	20.000	ng	# 0.00
76) Chrysene-d12	21.409	240	561217	20.000	ng	0.00
86) Perylene-d12	23.774	264	700465	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	457371	59.980	ng	0.00
7) Phenol-d6	6.957	99	516349	52.239	ng	-0.01
23) Nitrobenzene-d5	8.951	82	347721	39.243	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	194439	59.233	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	732415	39.867	ng	0.00
79) Terphenyl-d14	19.839	244	1162706	37.459	ng	-0.01
Target Compounds						Qvalue
56) 4-Nitrophenol	14.857	139	6979	2.315	ng	# 1
57) 2,4-Dinitrotoluene	14.815	165	92	2.687	ng	# 12
62) 4-Nitroaniline	15.510	138	63	4.163	ng	# 13
71) Phenanthrene	17.245	178	301989	10.932	ng	99
72) Anthracene	17.339	178	69374	2.539	ng	97
75) Fluoranthene	19.274	202	364060	11.731	ng	98
78) Pyrene	19.639	202	332282	8.467	ng	99
81) Benzo(a)anthracene	21.391	228	167889	4.413	ng	99
83) Chrysene	21.444	228	150339	4.085	ng	98
84) Bis(2-ethylhexyl)phtha...	21.315	149	3298	2.676	ng	# 97
88) Benzo(b)fluoranthene	23.056	252	194047	4.663	ng	98
89) Benzo(k)fluoranthene	23.056	252	194047	4.559	ng	98
90) Benzo(a)pyrene	23.668	252	149073	3.728	ng	96
92) Benzo(g,h,i)perylene	26.968	276	102282	2.434	ng	95

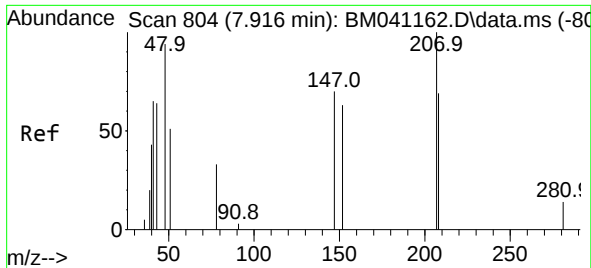
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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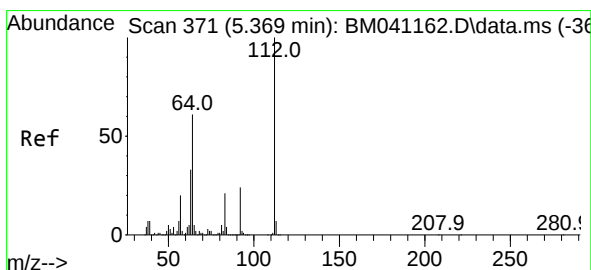
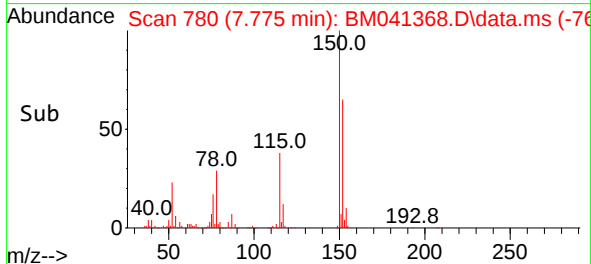
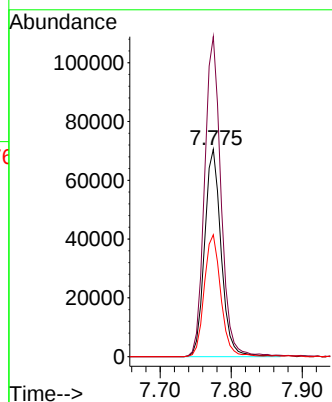
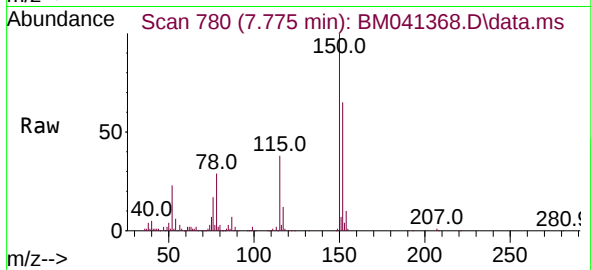




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

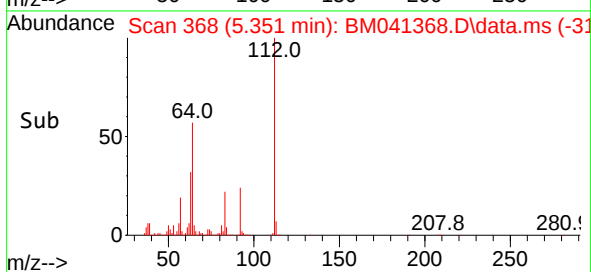
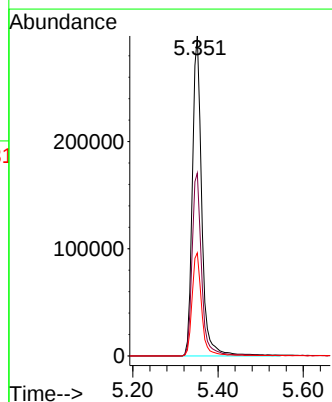
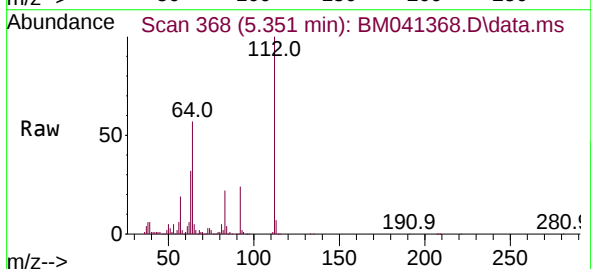
Instrument :
BNA_M
ClientSampleId :
WC-22

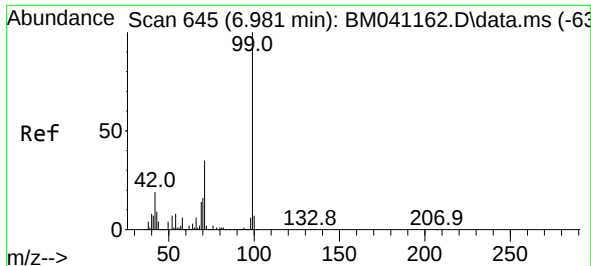
Tgt Ion:152 Resp: 113968
Ion Ratio Lower Upper
152 100
150 154.3 125.5 188.3
115 58.7 48.0 72.0



#5
2-Fluorophenol
Concen: 59.980 ng
RT: 5.351 min Scan# 368
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion:112 Resp: 457371
Ion Ratio Lower Upper
112 100
64 57.1 48.5 72.7
63 32.2 26.5 39.7

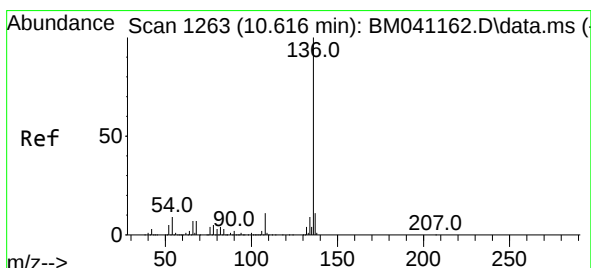
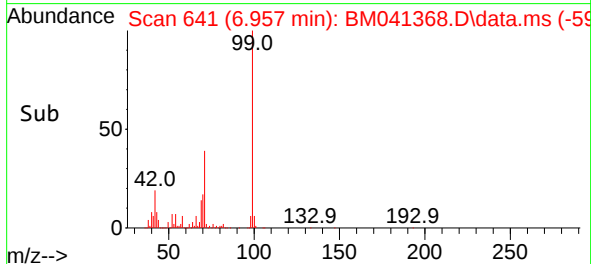
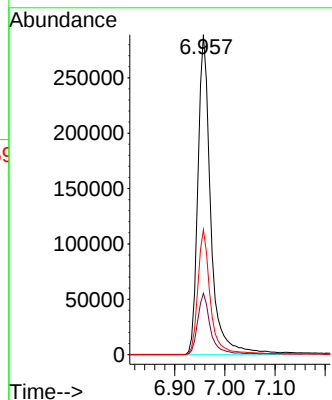
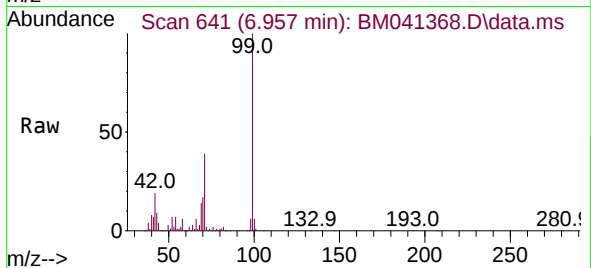




#7
Phenol-d6
Concen: 52.239 ng
RT: 6.957 min Scan# 64
Delta R.T. -0.012 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

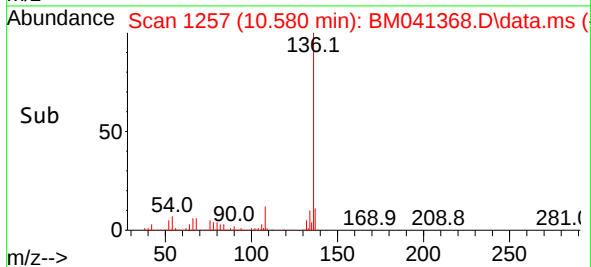
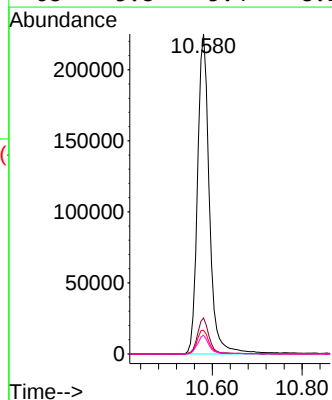
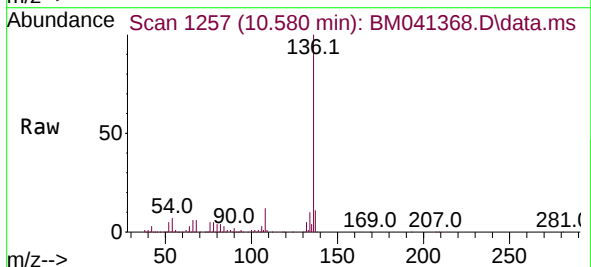
Instrument :
BNA_M
ClientSampleId :
WC-22

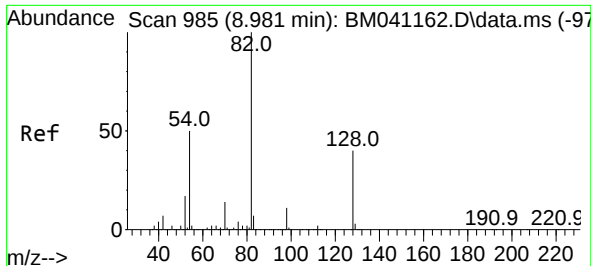
Tgt Ion: 99 Resp: 516349
Ion Ratio Lower Upper
99 100
42 19.2 15.4 23.0
71 39.0 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1257
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion: 136 Resp: 412063
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.4 6.9 10.3
68 5.8 5.4 8.2

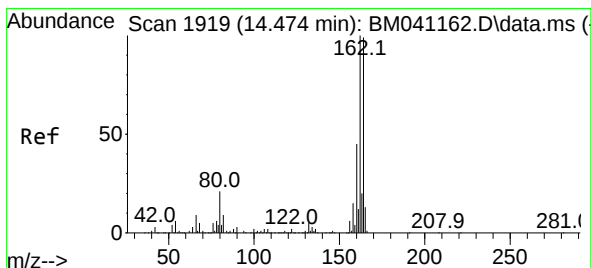
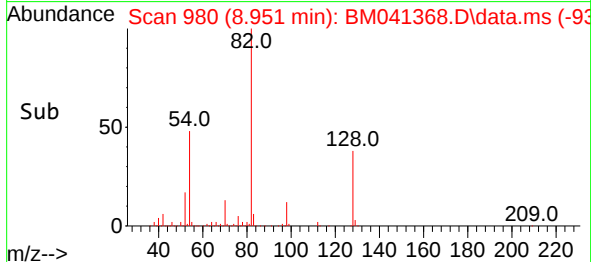
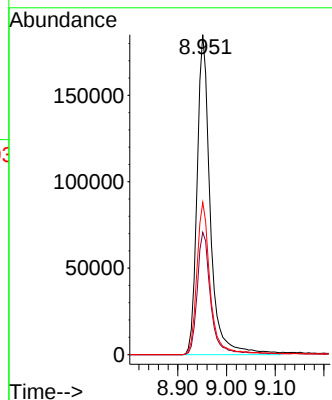
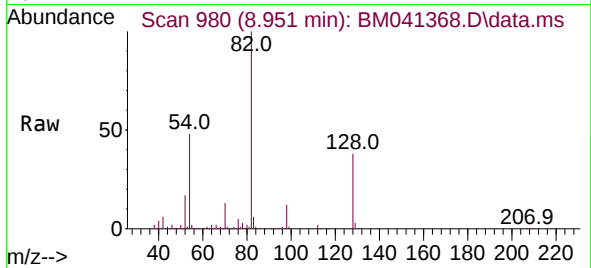




#23
Nitrobenzene-d5
Concen: 39.243 ng
RT: 8.951 min Scan# 985
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

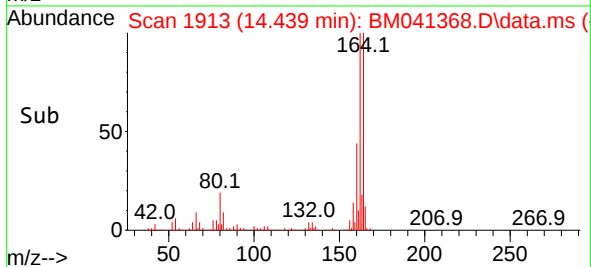
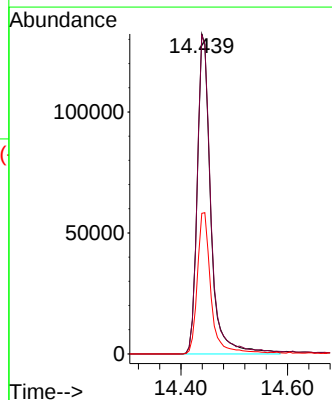
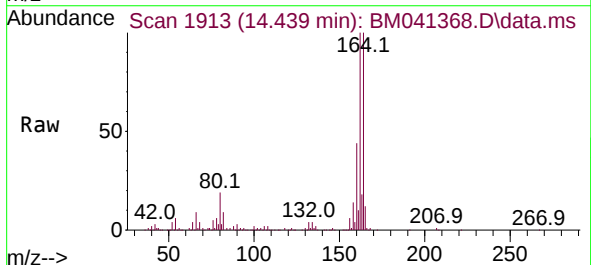
Instrument :
BNA_M
ClientSampleId :
WC-22

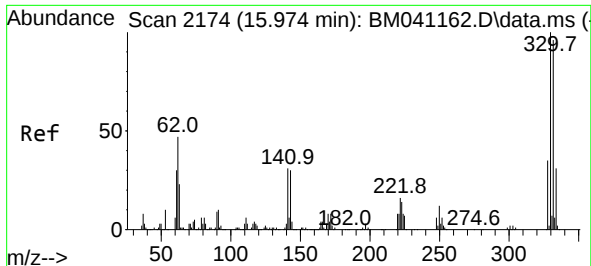
Tgt Ion: 82 Resp: 347721
Ion Ratio Lower Upper
82 100
128 38.2 31.8 47.6
54 47.6 40.1 60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion: 164 Resp: 232076
Ion Ratio Lower Upper
164 100
162 99.6 80.4 120.6
160 43.9 36.2 54.2

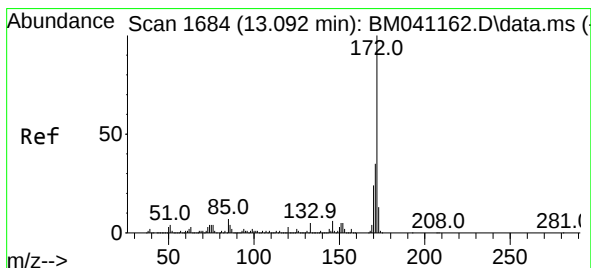
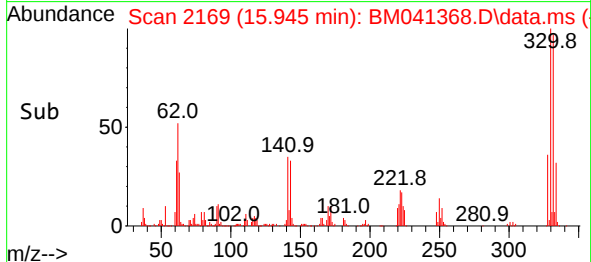
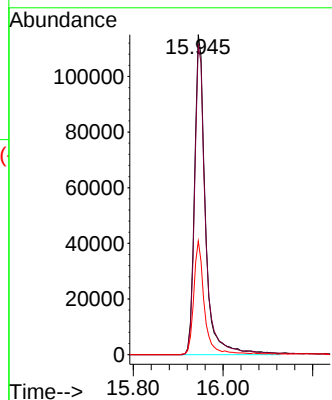
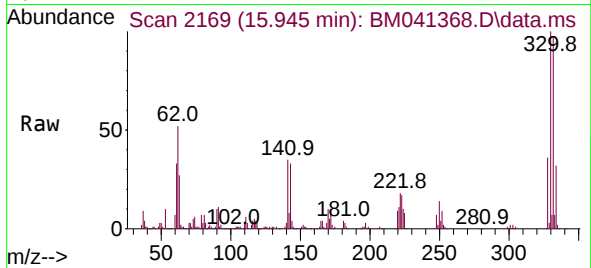




#42
2,4,6-Tribromophenol
Concen: 59.233 ng
RT: 15.945 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

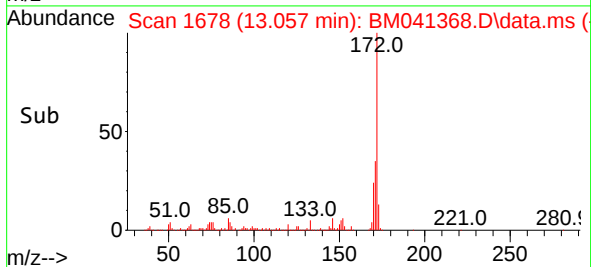
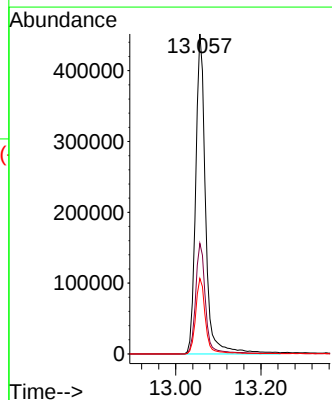
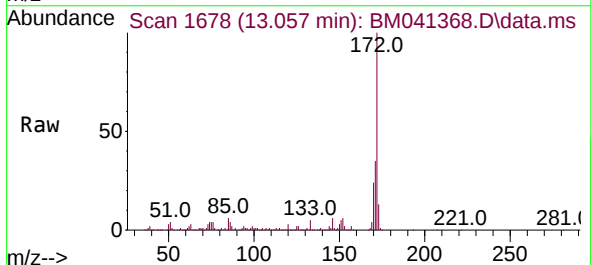
Instrument :
BNA_M
ClientSampleId :
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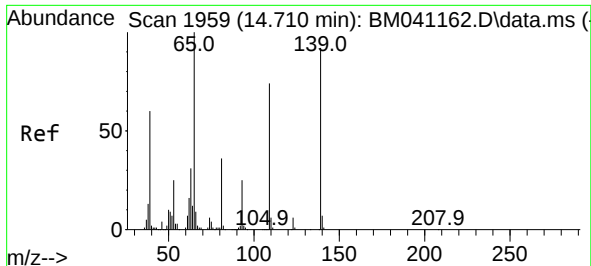
Tgt Ion:330 Resp: 194439
Ion Ratio Lower Upper
330 100
332 97.2 77.7 116.5
141 34.5 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 39.867 ng
RT: 13.057 min Scan# 1678
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion:172 Resp: 732415
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.6 18.9 28.3

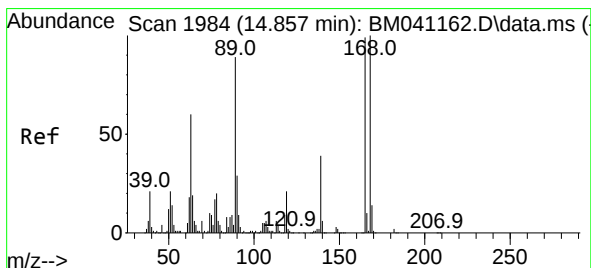
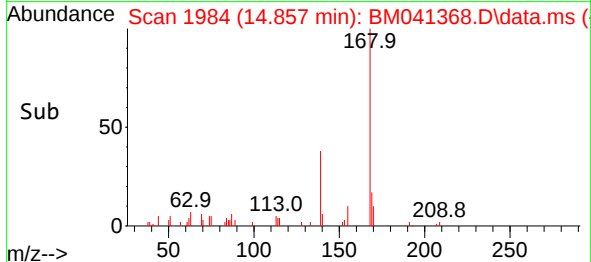
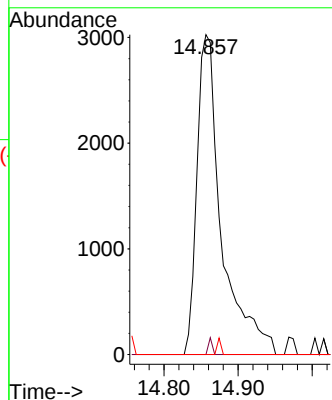
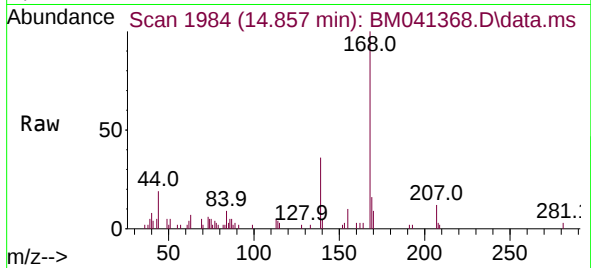




#56
4-Nitrophenol
Concen: 2.315 ng
RT: 14.857 min Scan# 1959
Delta R.T. 0.141 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

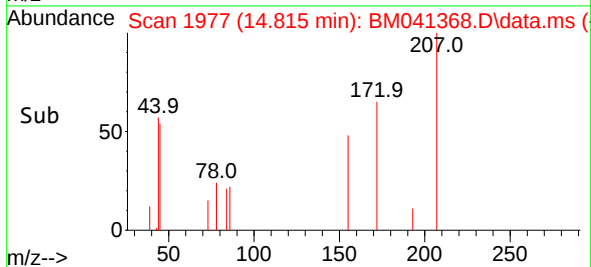
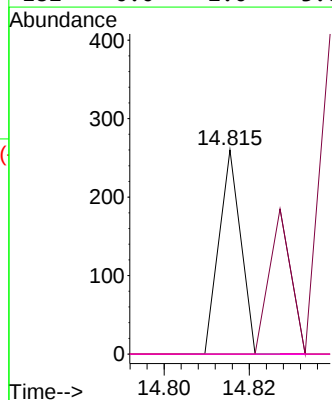
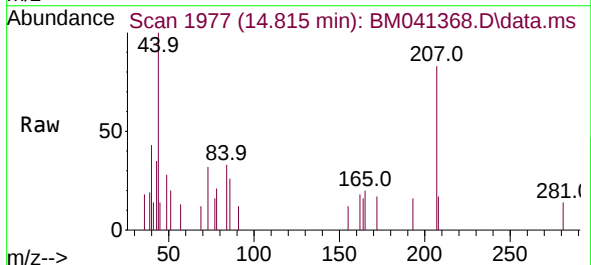
Instrument :
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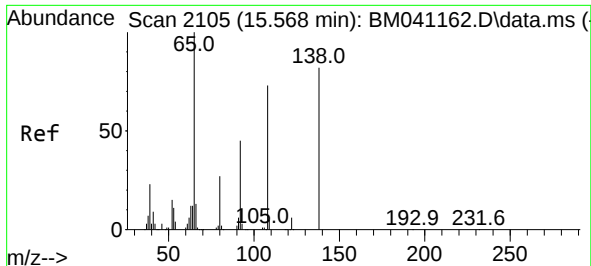
Tgt Ion:139 Resp: 6979
Ion Ratio Lower Upper
139 100
109 0.0 61.2 101.2#
65 0.0 89.5 129.5#



#57
2,4-Dinitrotoluene
Concen: 2.687 ng
RT: 14.815 min Scan# 1977
Delta R.T. -0.030 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion:165 Resp: 92
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#

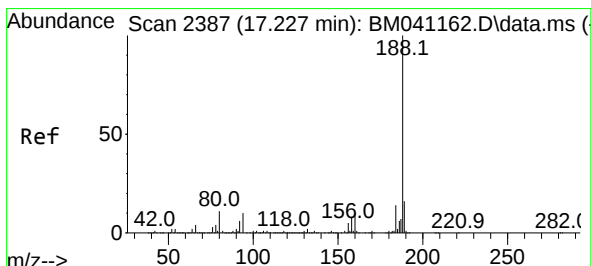
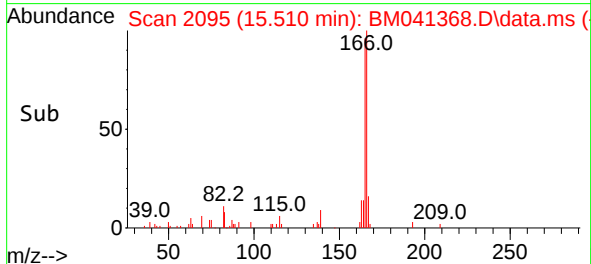
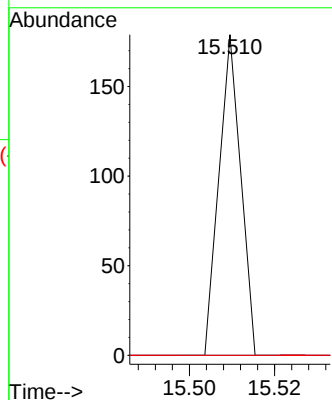
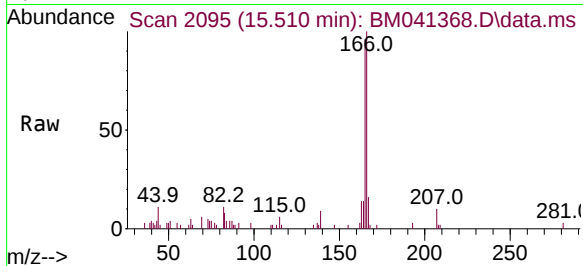




#62
4-Nitroaniline
Concen: 4.163 ng
RT: 15.510 min Scan# 2095
Delta R.T. -0.041 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

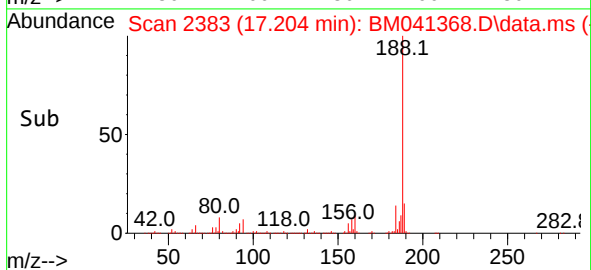
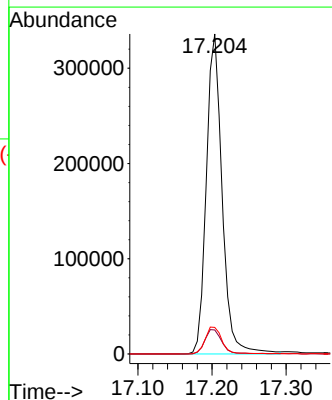
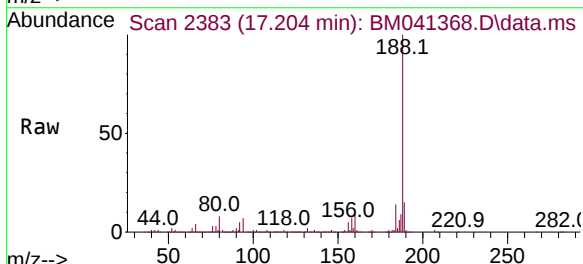
Instrument :
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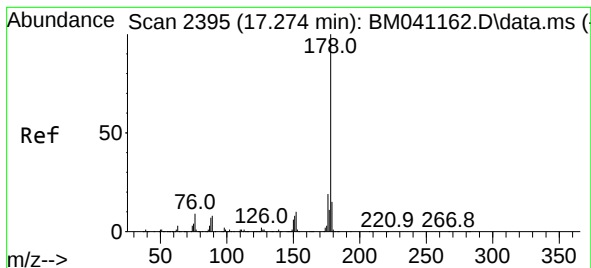
Tgt Ion:138 Resp: 63
Ion Ratio Lower Upper
138 100
92 0.0 35.1 75.1#
108 0.0 67.8 107.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2383
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion:188 Resp: 497184
Ion Ratio Lower Upper
188 100
94 7.5 8.2 12.2#
80 8.3 8.6 13.0#





#71

Phenanthrene

Concen: 10.932 ng

RT: 17.245 min Scan# 2395

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

Instrument :

BNA_M

ClientSampleId :

WC-22

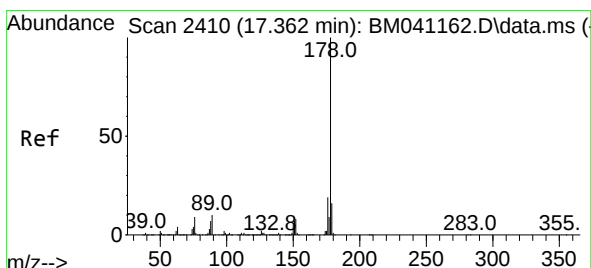
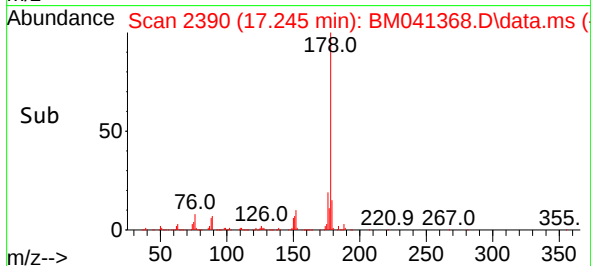
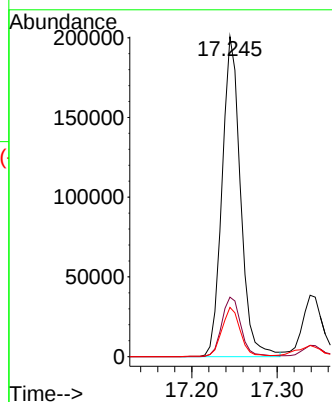
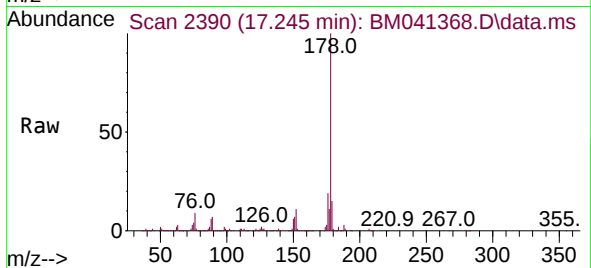
Tgt Ion:178 Resp: 301989

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

179 15.4 12.1 18.1



#72

Anthracene

Concen: 2.539 ng

RT: 17.339 min Scan# 2406

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

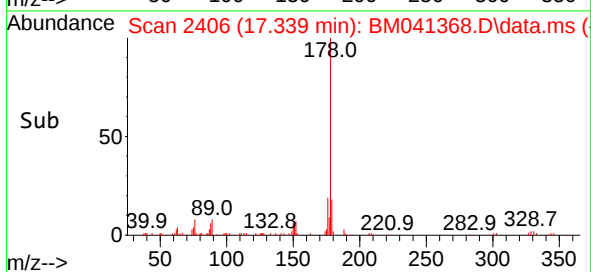
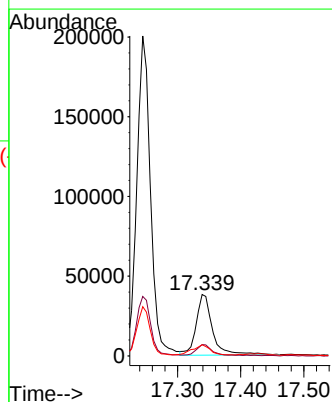
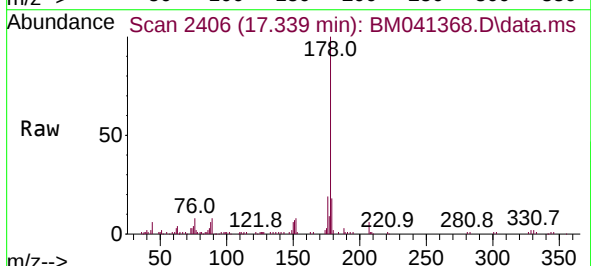
Tgt Ion:178 Resp: 69374

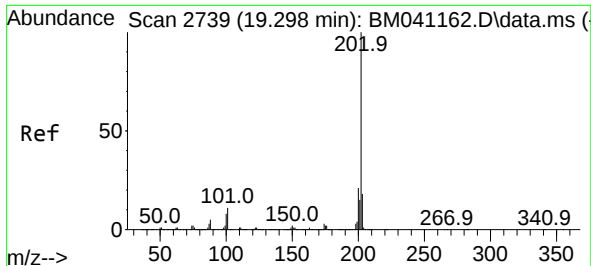
Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

179 18.2 12.4 18.6

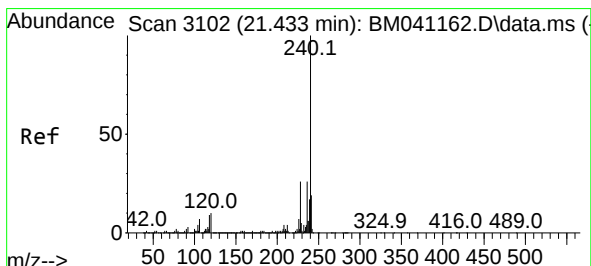
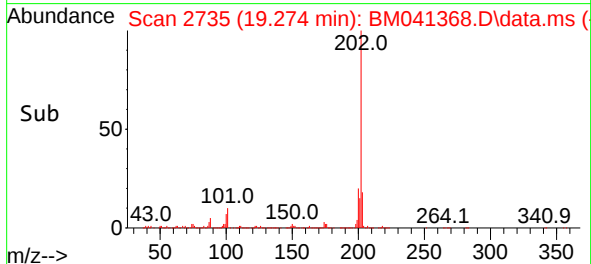
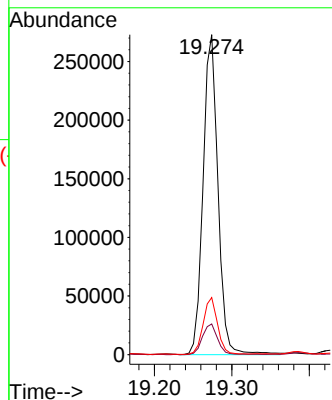
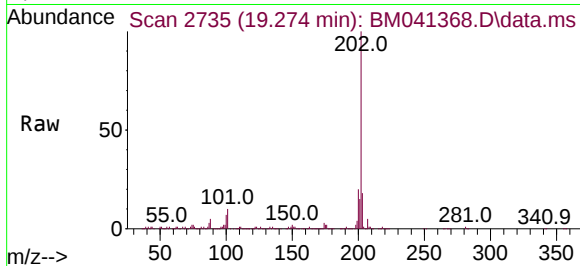




#75
Fluoranthene
Concen: 11.731 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

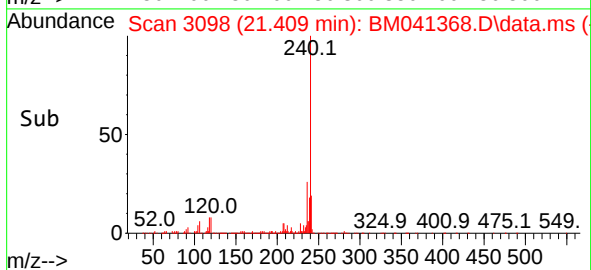
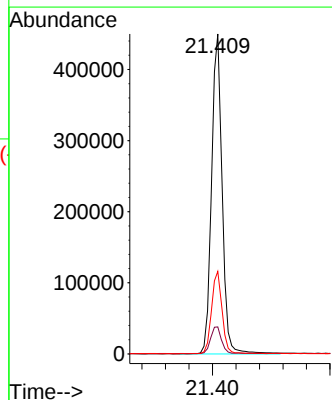
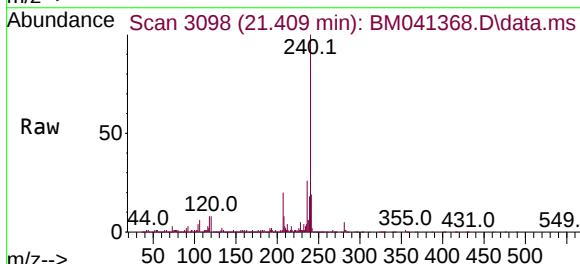
Instrument :
BNA_M
ClientSampleId :
WC-22

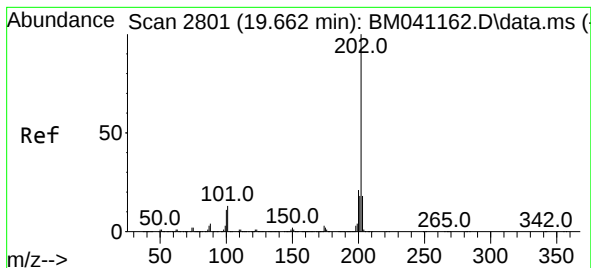
Tgt Ion:202 Resp: 364060
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.8
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion:240 Resp: 561217
Ion Ratio Lower Upper
240 100
120 8.4 8.3 12.5
236 25.8 20.6 30.8





#78

Pyrene

Concen: 8.467 ng

RT: 19.639 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

Instrument :

BNA_M

ClientSampleId :

WC-22

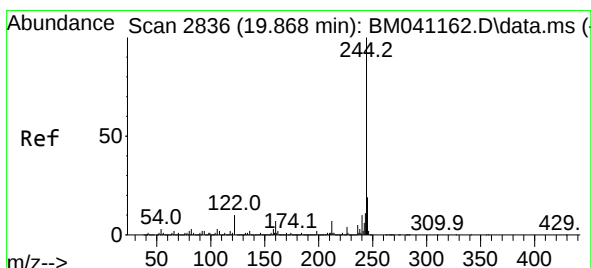
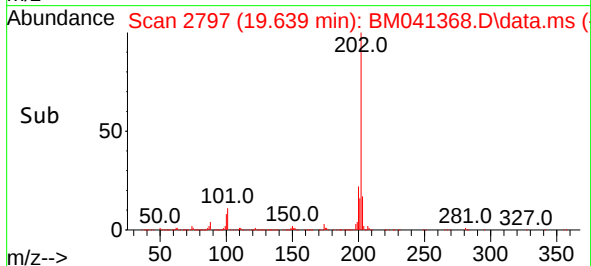
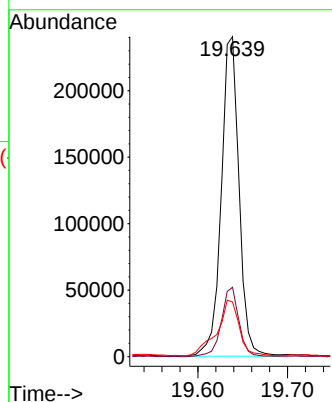
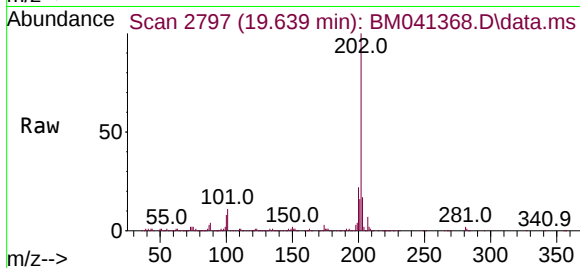
Tgt Ion:202 Resp: 332282

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 17.1 14.1 21.1



#79

Terphenyl-d14

Concen: 37.459 ng

RT: 19.839 min Scan# 2831

Delta R.T. -0.012 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

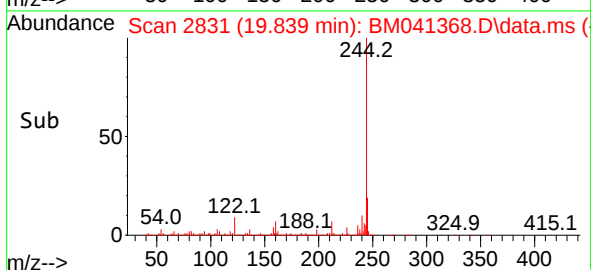
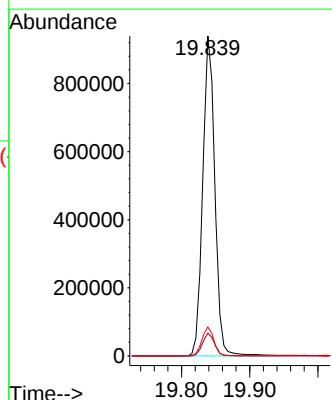
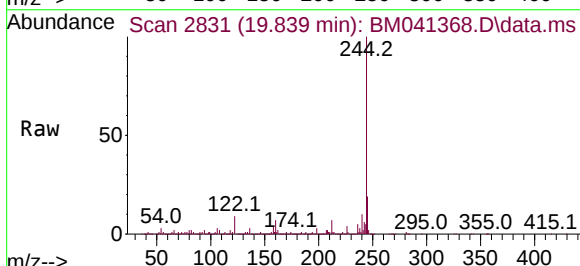
Tgt Ion:244 Resp: 1162706

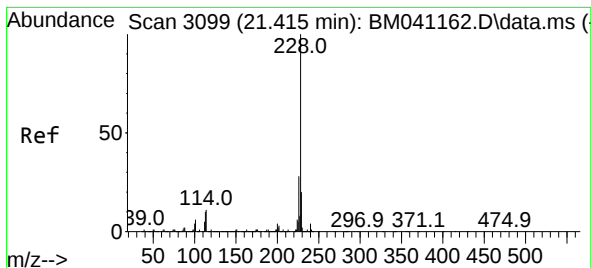
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 9.0 7.8 11.6





#81

Benzo(a)anthracene

Concen: 4.413 ng

RT: 21.391 min Scan# 3095

Delta R.T. -0.012 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

Instrument :

BNA_M

ClientSampleId :

WC-22

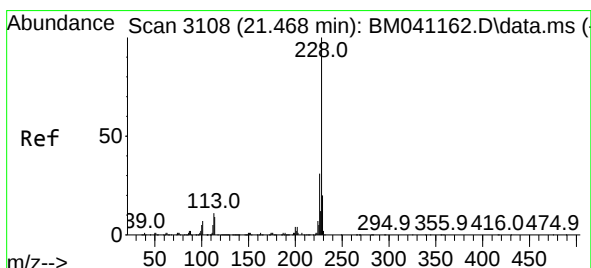
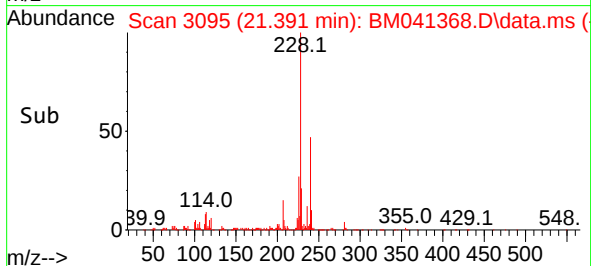
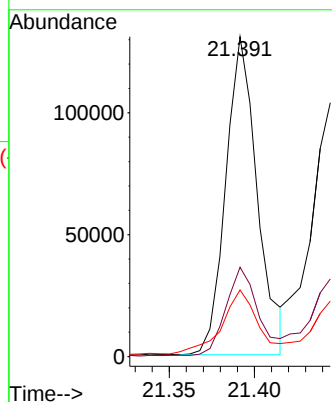
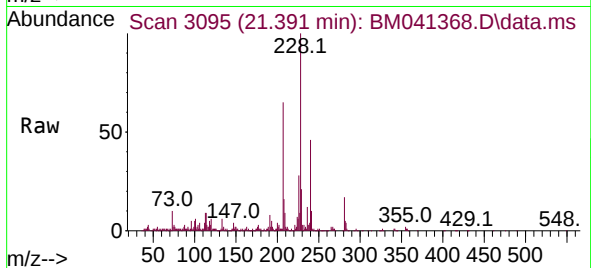
Tgt Ion:228 Resp: 167889

Ion Ratio Lower Upper

228 100

226 27.9 22.4 33.6

229 20.8 15.8 23.8



#83

Chrysene

Concen: 4.085 ng

RT: 21.444 min Scan# 3104

Delta R.T. -0.012 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

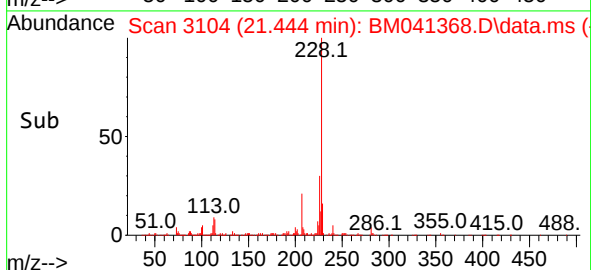
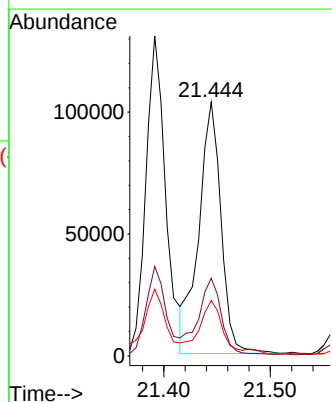
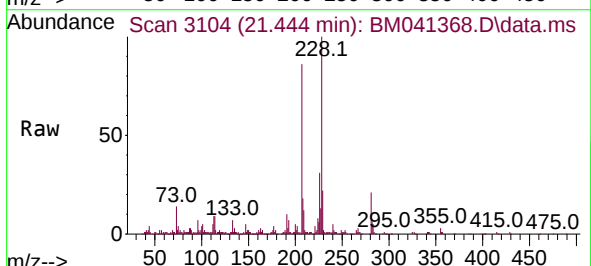
Tgt Ion:228 Resp: 150339

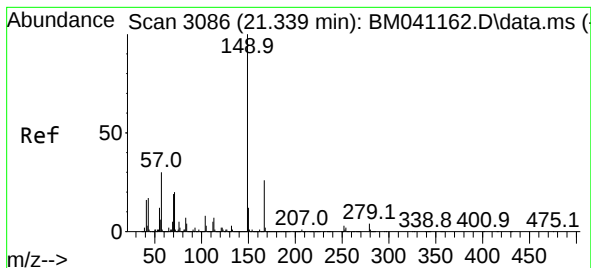
Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

229 21.8 15.8 23.8

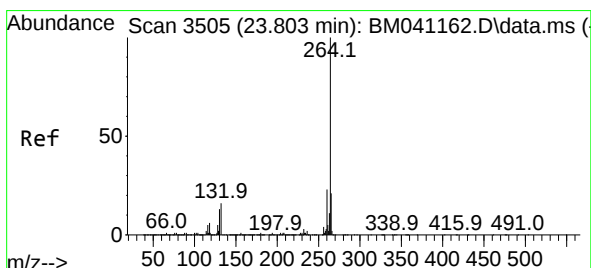
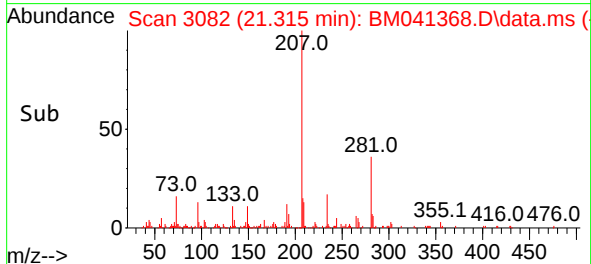
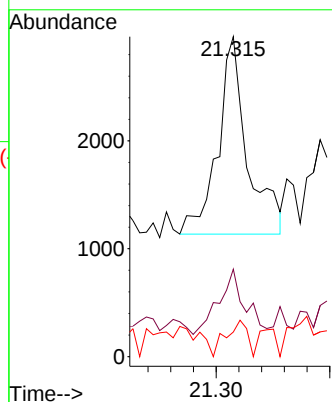
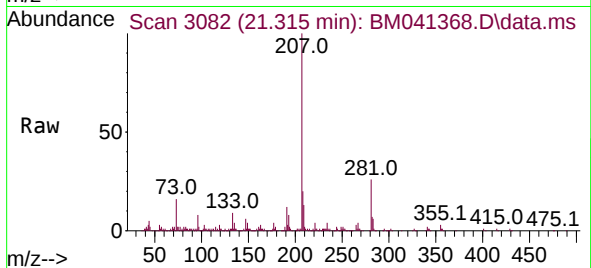




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.676 ng
RT: 21.315 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

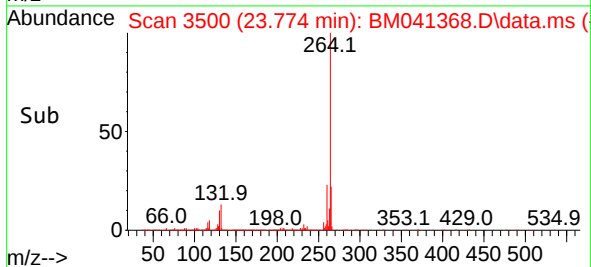
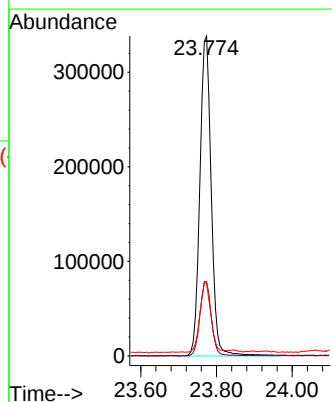
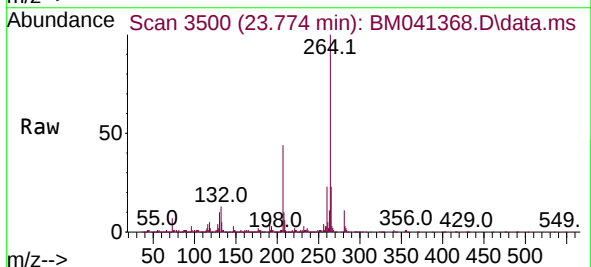
Instrument :
BNA_M
ClientSampleId :
WC-22

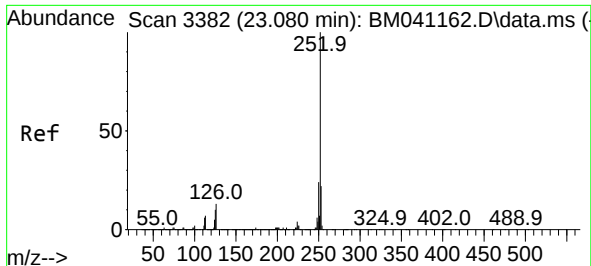
Tgt Ion:149 Resp: 3298
Ion Ratio Lower Upper
149 100
167 27.3 21.0 31.6
279 7.7 3.1 4.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3500
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion:264 Resp: 700465
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 22.6 17.4 26.0

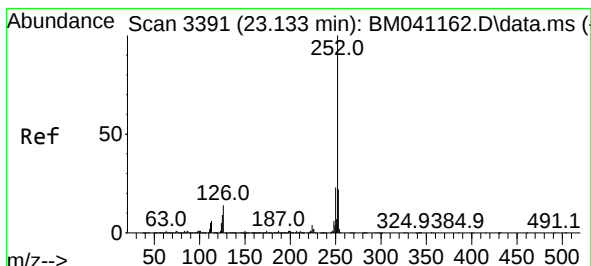
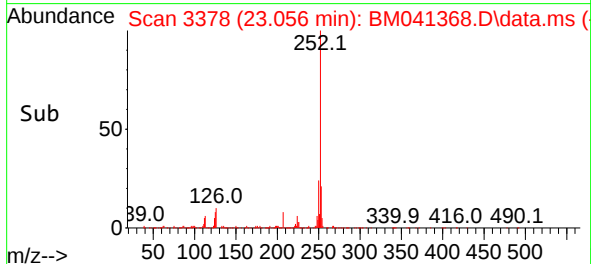
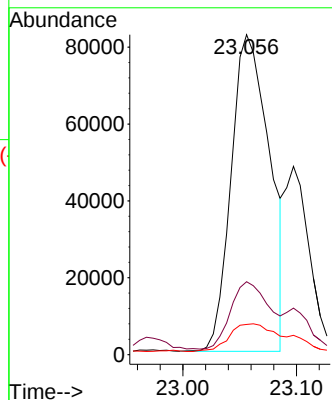
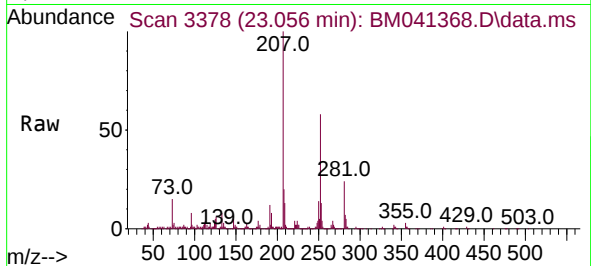




#88
Benzo(b)fluoranthene
Concen: 4.663 ng
RT: 23.056 min Scan# 3382
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

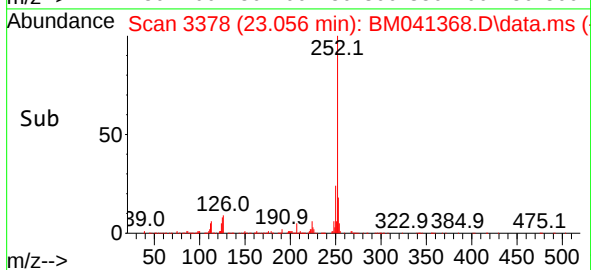
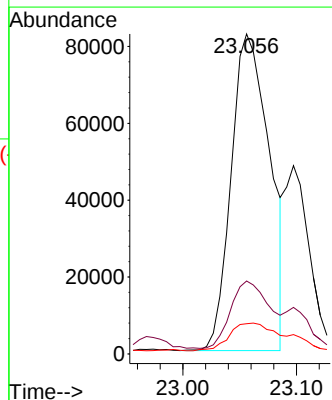
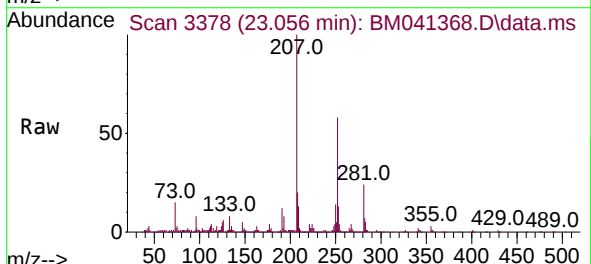
Instrument :
BNA_M
ClientSampleId :
WC-22

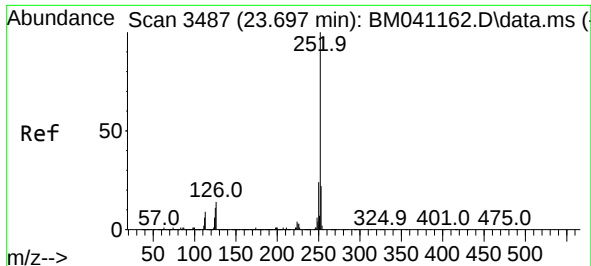
Tgt Ion:252 Resp: 194047
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 9.4 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 4.559 ng
RT: 23.056 min Scan# 3378
Delta R.T. -0.053 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion:252 Resp: 194047
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 9.4 7.6 11.4

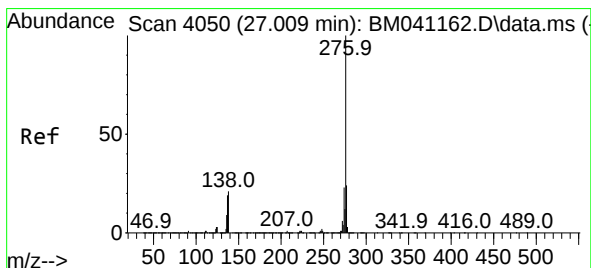
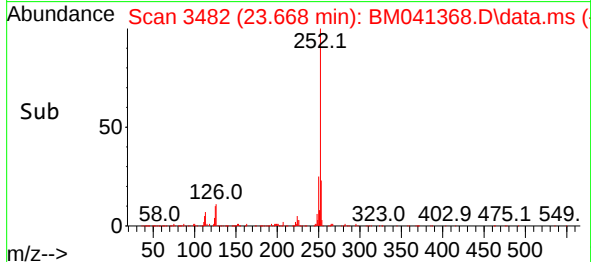
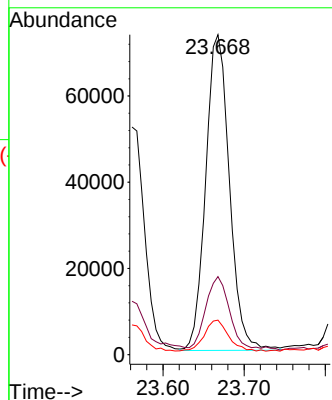
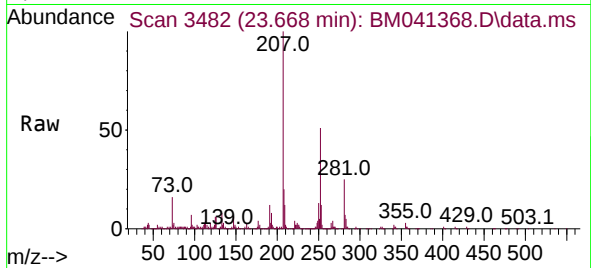




#90
Benzo(a)pyrene
Concen: 3.728 ng
RT: 23.668 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Instrument :
BNA_M
ClientSampleId :
WC-22

Tgt Ion:252 Resp: 149073
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 10.8 9.0 13.4



#92
Benzo(g,h,i)perylene
Concen: 2.434 ng
RT: 26.968 min Scan# 4043
Delta R.T. -0.018 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion:276 Resp: 102282
Ion Ratio Lower Upper
276 100
277 22.1 19.1 28.7
138 18.0 17.1 25.7

