

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
 Data File : BM044824.D
 Acq On : 29 Mar 2024 20:41
 Operator : MA/JU
 Sample : P1879-03 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 29 23:24:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 29 01:24:21 2024
 Response via : Initial Calibration

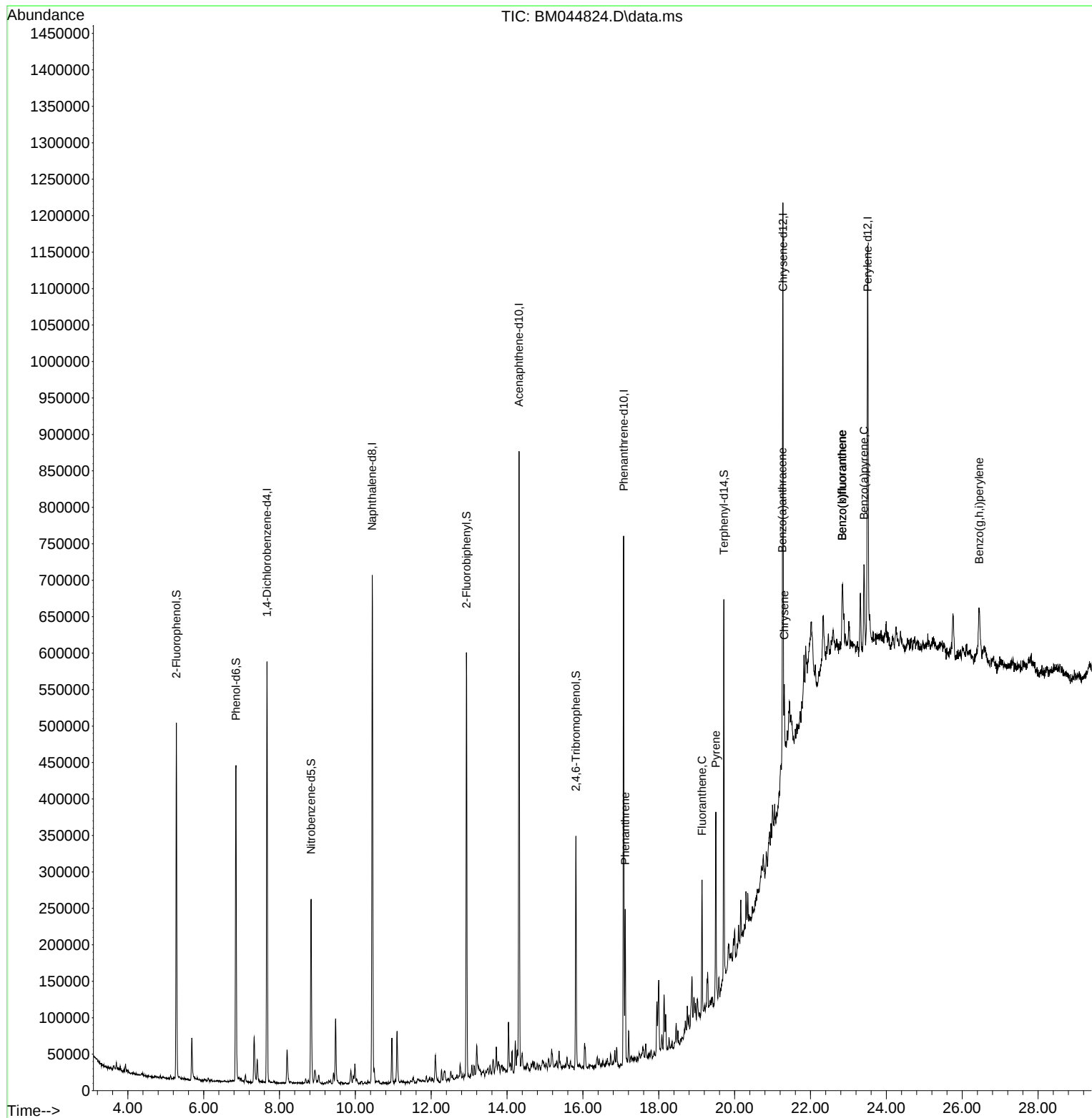
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	141615	20.000	ng	0.00
21) Naphthalene-d8	10.445	136	550624	20.000	ng	-0.01
39) Acenaphthene-d10	14.316	164	274629	20.000	ng	0.00
64) Phenanthrene-d10	17.074	188	415153	20.000	ng	0.00
76) Chrysene-d12	21.274	240	315885	20.000	ng	0.00
86) Perylene-d12	23.509	264	371345	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	191112	19.328	ng	0.00
7) Phenol-d6	6.851	99	242339	18.894	ng	0.00
23) Nitrobenzene-d5	8.834	82	143639	11.760	ng	0.00
42) 2,4,6-Tribromophenol	15.815	330	50733	16.905	ng	0.00
45) 2-Fluorobiphenyl	12.927	172	277581	12.945	ng	-0.01
79) Terphenyl-d14	19.715	244	225221	12.083	ng	0.00
Target Compounds						
71) Phenanthrene	17.115	178	116809	5.043	ng	98
75) Fluoranthene	19.139	202	97644	4.223	ng	99
78) Pyrene	19.503	202	145211	5.769	ng	99
81) Benzo(a)anthracene	21.256	228	68571	3.114	ng	# 81
83) Chrysene	21.309	228	65740	3.115	ng	# 84
88) Benzo(b)fluoranthene	22.839	252	93292	4.433	ng	# 85
89) Benzo(k)fluoranthene	22.839	252	93292	4.415	ng	# 85
90) Benzo(a)pyrene	23.409	252	65774	3.080	ng	# 87
92) Benzo(g,h,i)perylene	26.450	276	76217	3.136	ng	98

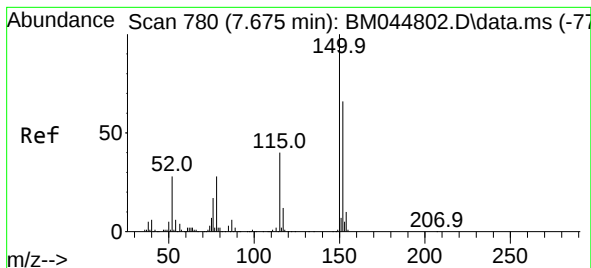
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
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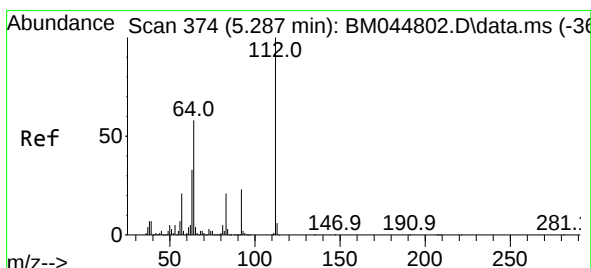
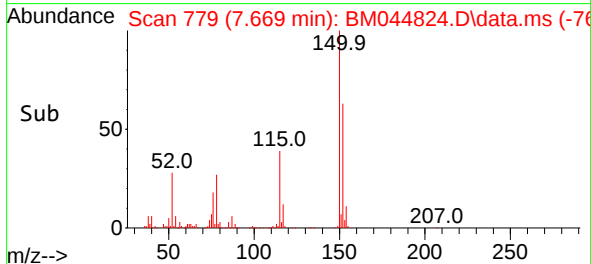
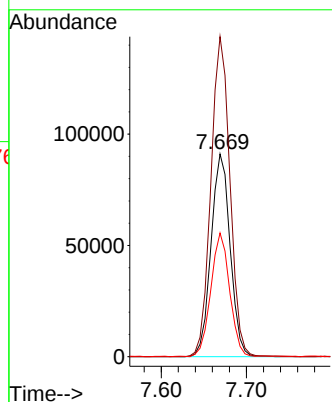
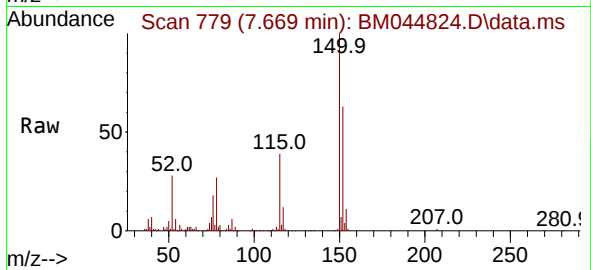




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

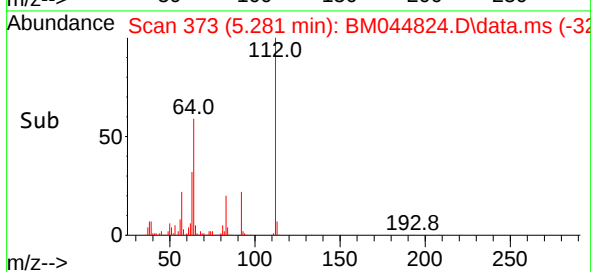
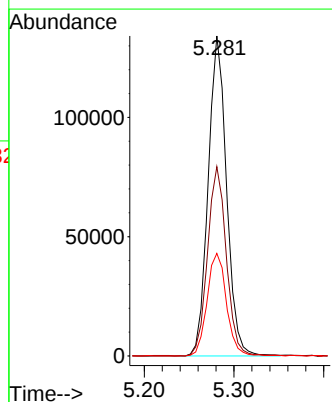
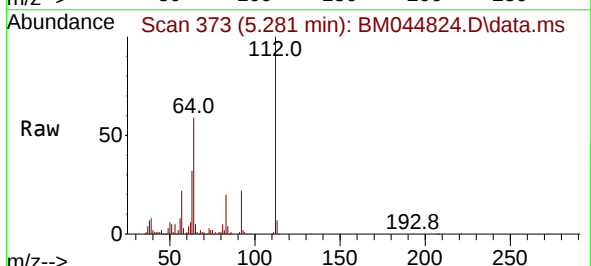
Instrument :
BNA_M
ClientSampleId :

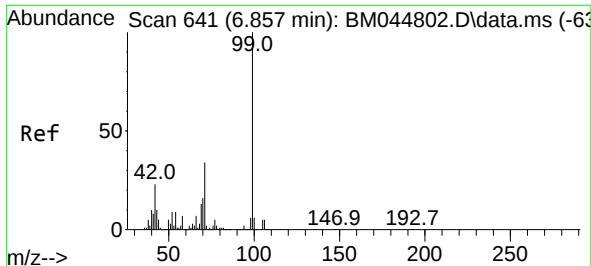
Tgt Ion:152 Resp: 141615
Ion Ratio Lower Upper
152 100
150 157.9 121.0 181.6
115 61.1 48.3 72.5



#5
2-Fluorophenol
Concen: 19.328 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

Tgt Ion:112 Resp: 191112
Ion Ratio Lower Upper
112 100
64 59.2 46.4 69.6
63 32.1 26.2 39.4

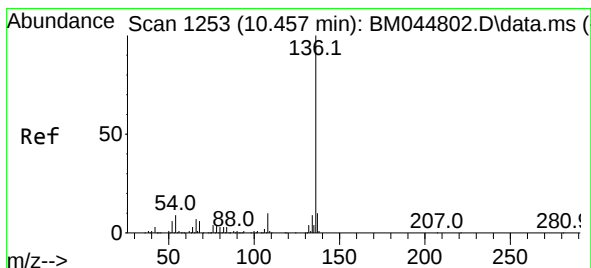
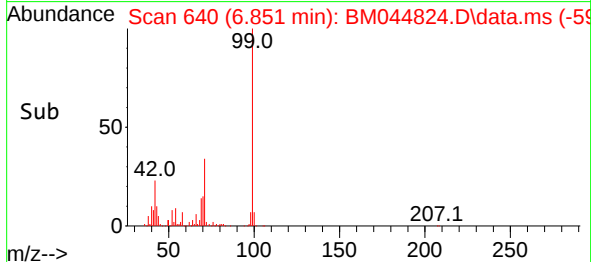
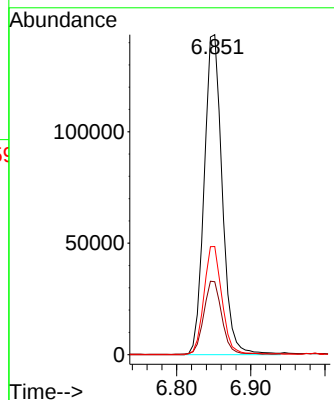
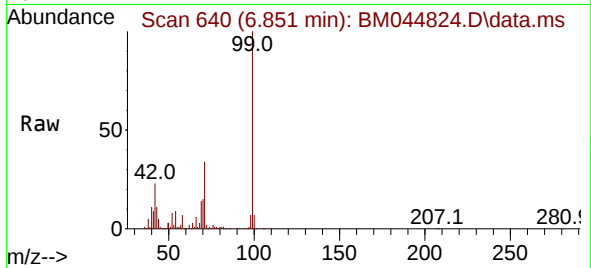




#7
Phenol-d6
Concen: 18.894 ng
RT: 6.851 min Scan# 641
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

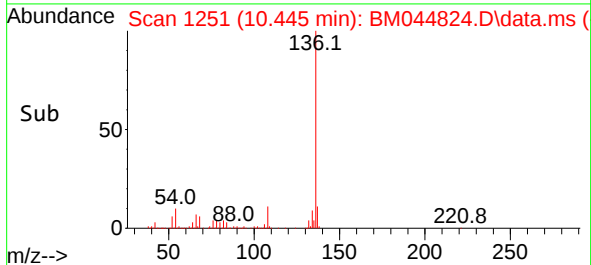
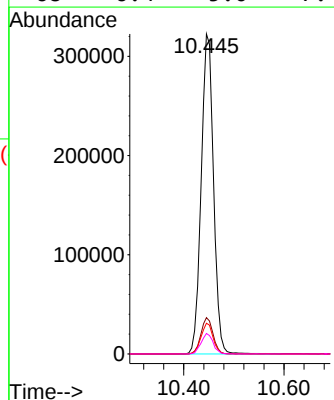
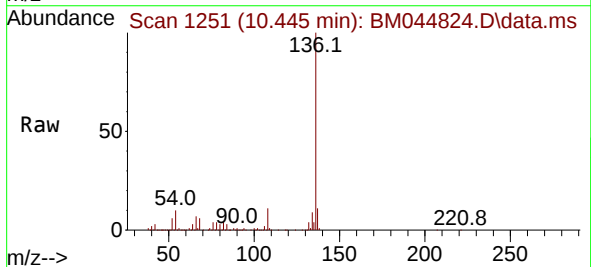
Instrument :
BNA_M
ClientSampleId :

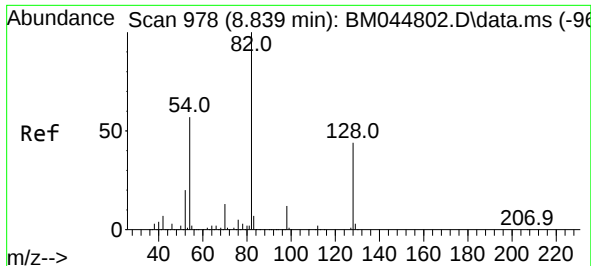
Tgt Ion: 99 Resp: 242339
Ion Ratio Lower Upper
99 100
42 22.8 18.2 27.4
71 33.8 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.445 min Scan# 1251
Delta R.T. -0.012 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

Tgt Ion: 136 Resp: 550624
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 9.6 7.3 10.9
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 11.760 ng

RT: 8.834 min Scan# 91

Delta R.T. -0.006 min

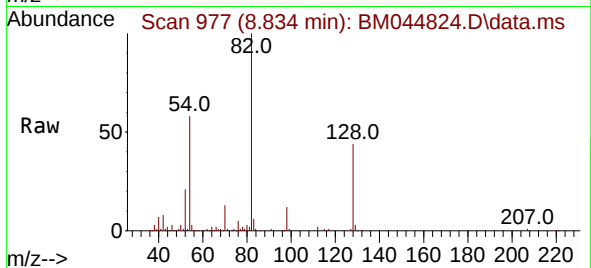
Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Instrument :

BNA_M

ClientSampleId :



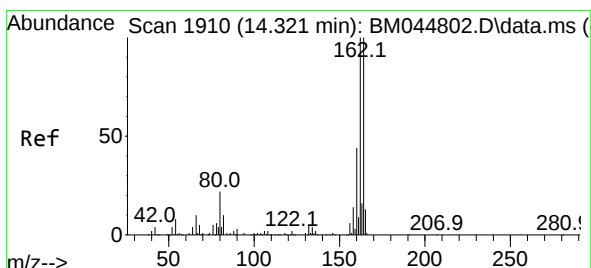
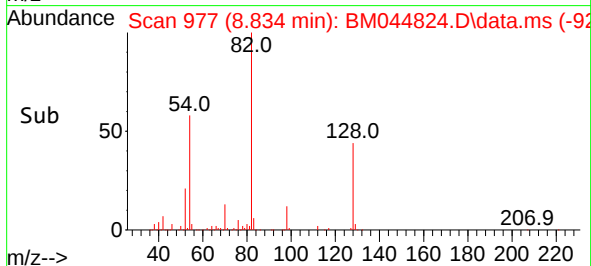
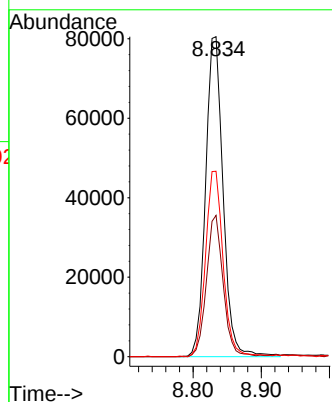
Tgt Ion: 82 Resp: 143639

Ion Ratio Lower Upper

82 100

128 44.2 34.8 52.2

54 57.9 45.4 68.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.316 min Scan# 1909

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

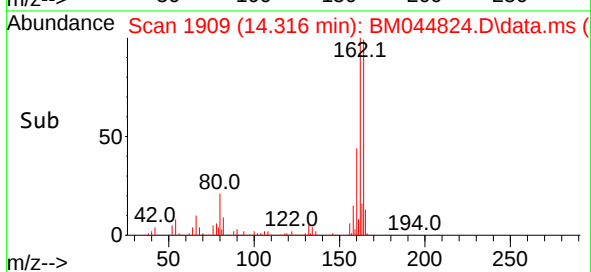
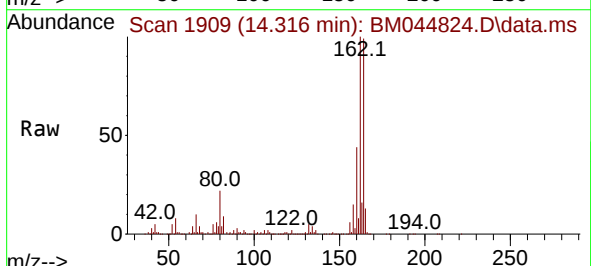
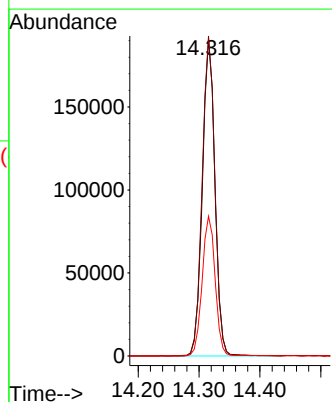
Tgt Ion: 164 Resp: 274629

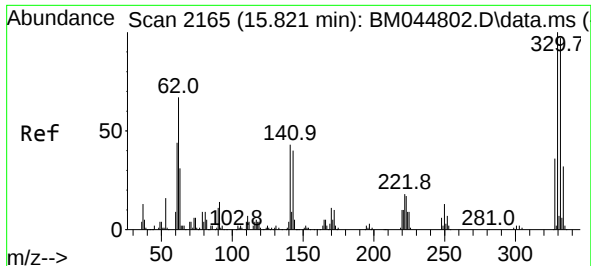
Ion Ratio Lower Upper

164 100

162 101.0 80.2 120.4

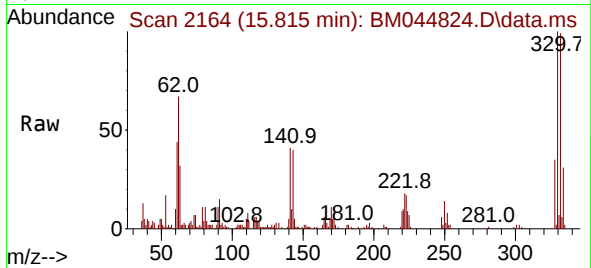
160 44.1 35.4 53.2



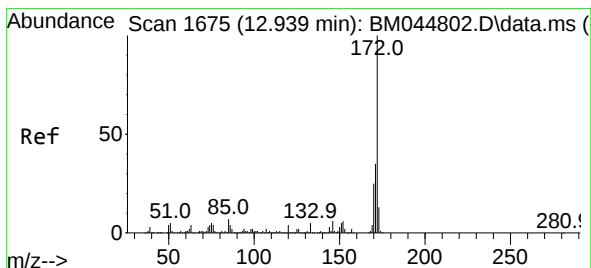
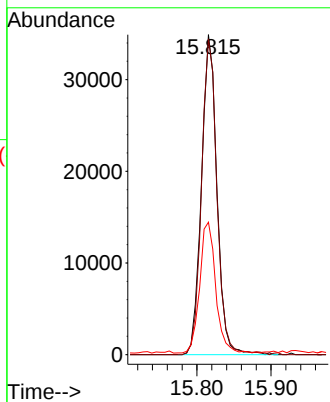
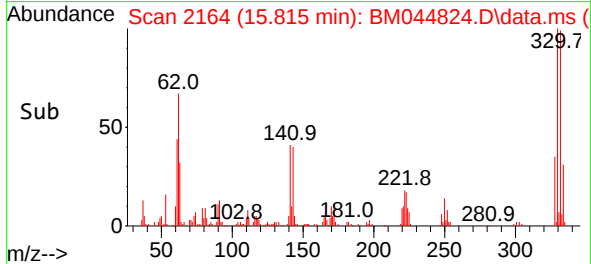


#42
2,4,6-Tribromophenol
Concen: 16.905 ng
RT: 15.815 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

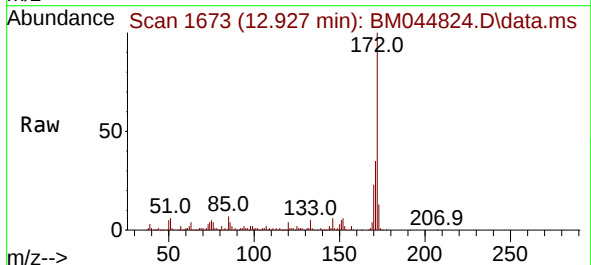
Instrument :
BNA_M
ClientSampleId :



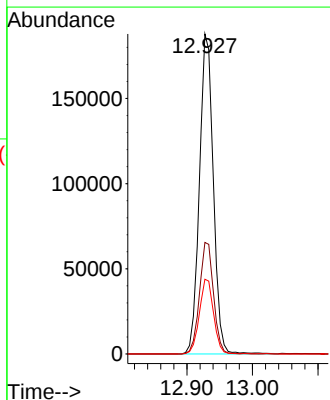
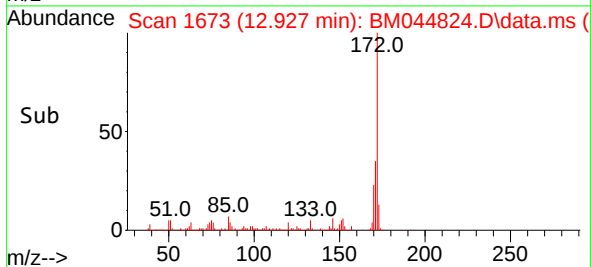
Tgt Ion:330 Resp: 50733
Ion Ratio Lower Upper
330 100
332 98.2 77.0 115.4
141 42.0 34.1 51.1

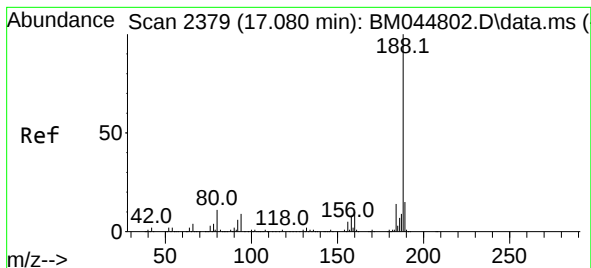


#45
2-Fluorobiphenyl
Concen: 12.945 ng
RT: 12.927 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41



Tgt Ion:172 Resp: 277581
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 23.4 19.8 29.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Instrument :

BNA_M

ClientSampleId :

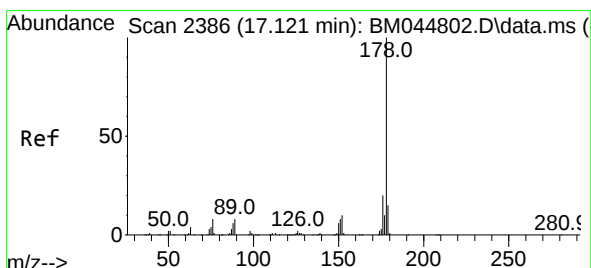
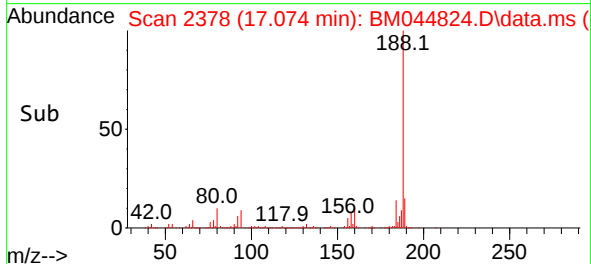
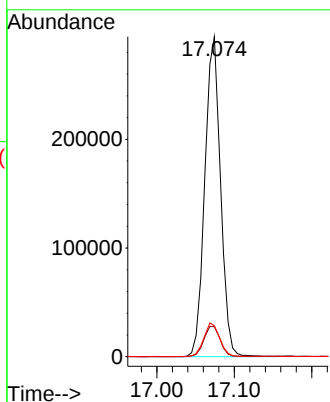
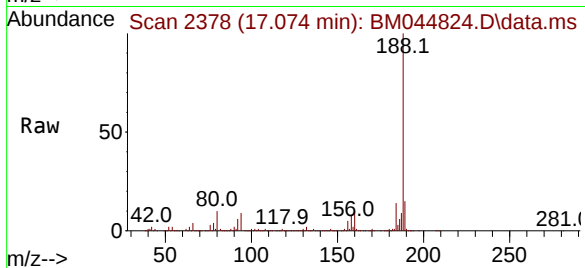
Tgt Ion:188 Resp: 415153

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.0

80 9.7 8.6 12.8



#71

Phenanthrene

Concen: 5.043 ng

RT: 17.115 min Scan# 2385

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

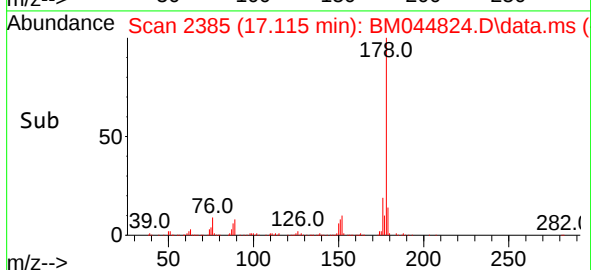
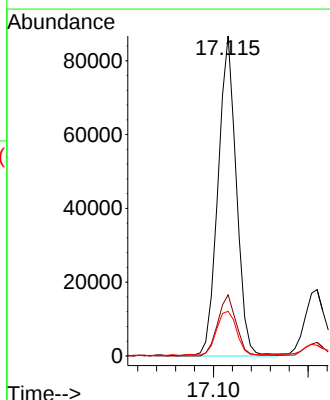
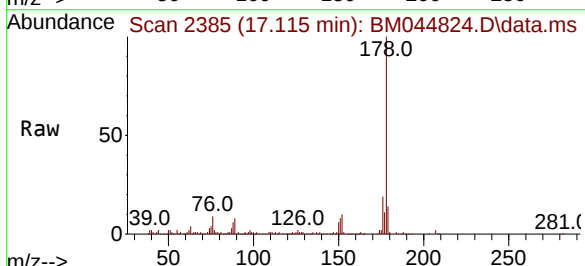
Tgt Ion:178 Resp: 116809

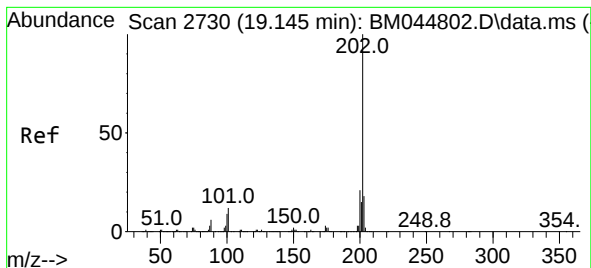
Ion Ratio Lower Upper

178 100

176 19.1 16.0 24.0

179 14.0 12.2 18.2





#75

Fluoranthene

Concen: 4.223 ng

RT: 19.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Instrument :

BNA_M

ClientSampleId :

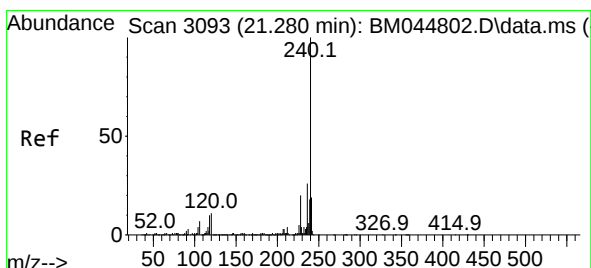
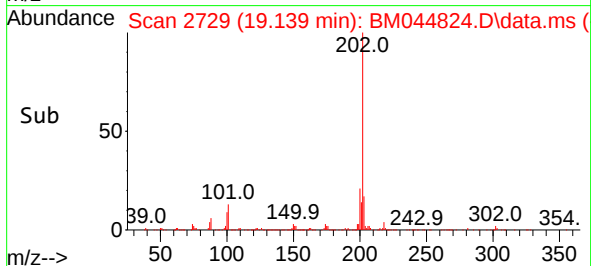
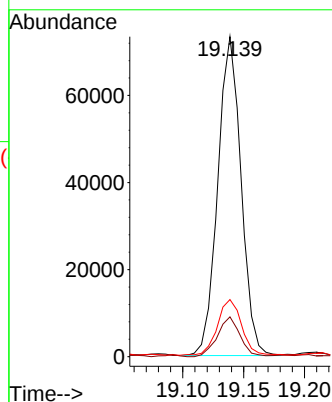
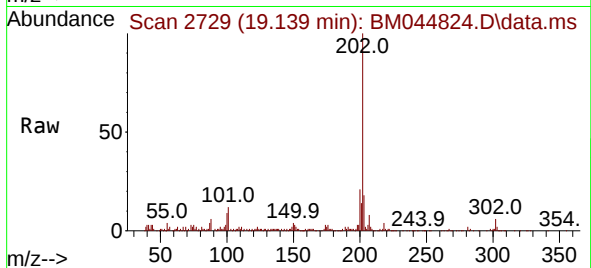
Tgt Ion:202 Resp: 97644

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.2

203 17.8 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.274 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

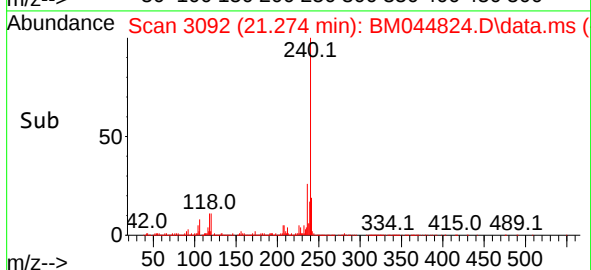
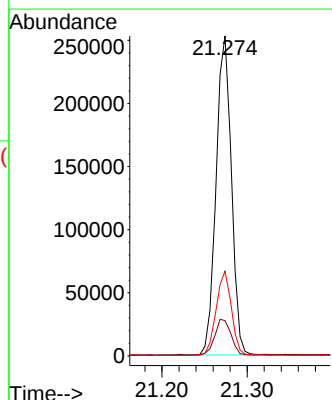
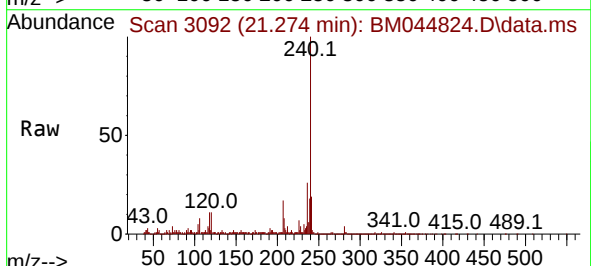
Tgt Ion:240 Resp: 315885

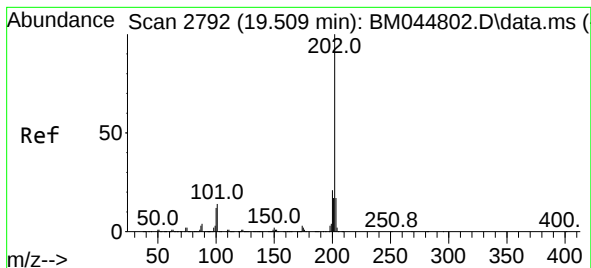
Ion Ratio Lower Upper

240 100

120 11.1 8.6 12.8

236 26.5 20.8 31.2





#78

Pyrene

Concen: 5.769 ng

RT: 19.503 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Instrument :

BNA_M

ClientSampleId :

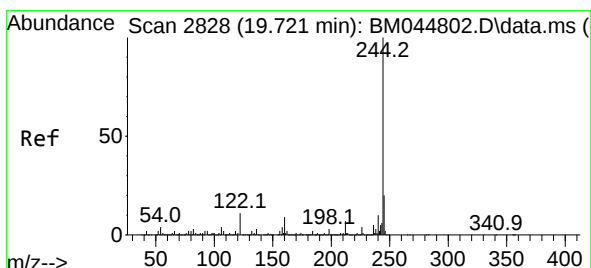
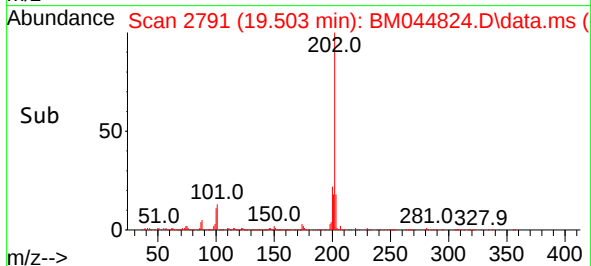
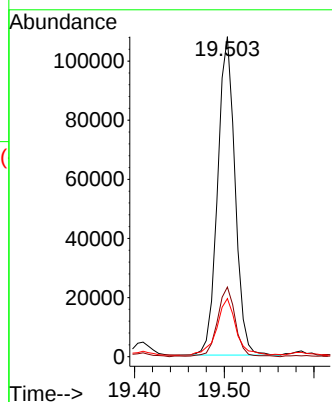
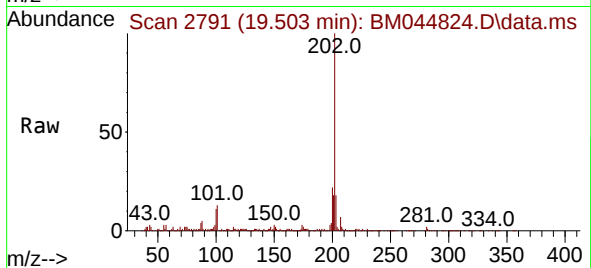
Tgt Ion:202 Resp: 145211

Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.4

203 18.1 13.9 20.9



#79

Terphenyl-d14

Concen: 12.083 ng

RT: 19.715 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

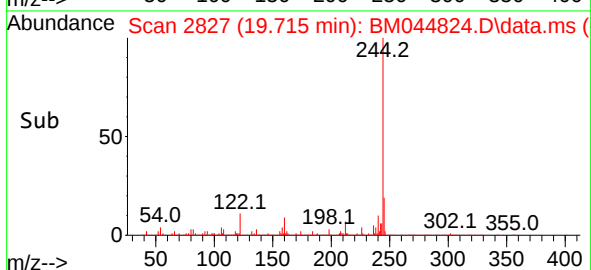
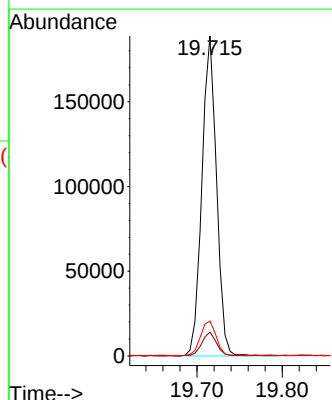
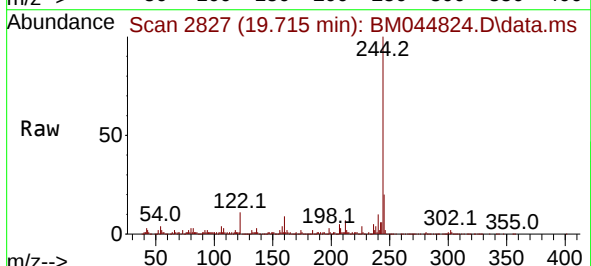
Tgt Ion:244 Resp: 225221

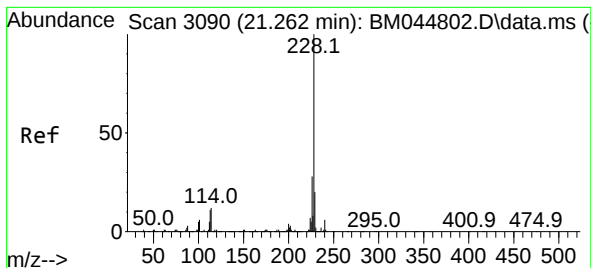
Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

122 10.9 8.8 13.2





#81

Benzo(a)anthracene

Concen: 3.114 ng

RT: 21.256 min Scan# 3090

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Instrument :

BNA_M

ClientSampleId :

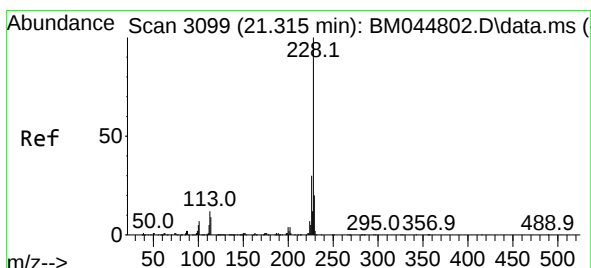
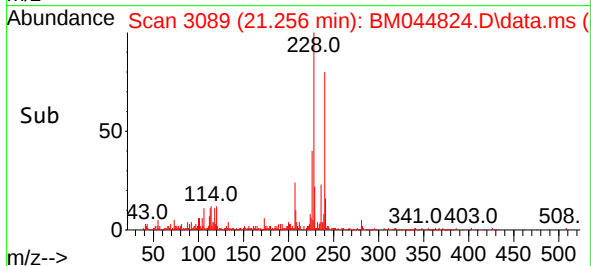
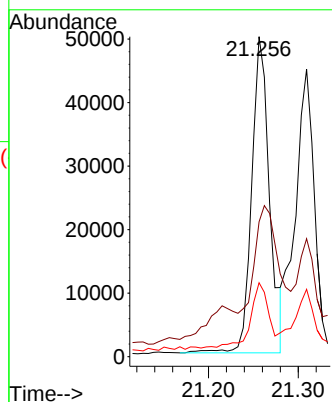
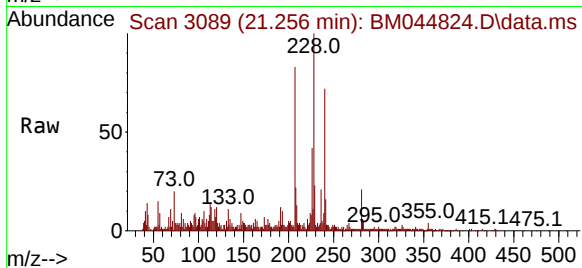
Tgt Ion:228 Resp: 68571

Ion Ratio Lower Upper

228 100

226 42.2 22.1 33.1#

229 23.1 15.8 23.8



#83

Chrysene

Concen: 3.115 ng

RT: 21.309 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

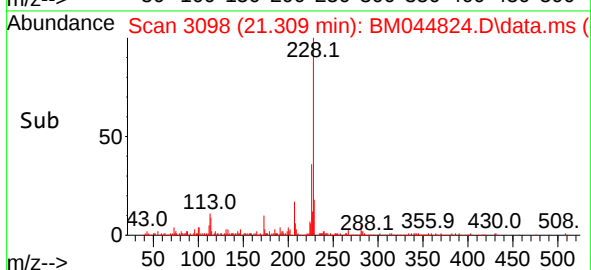
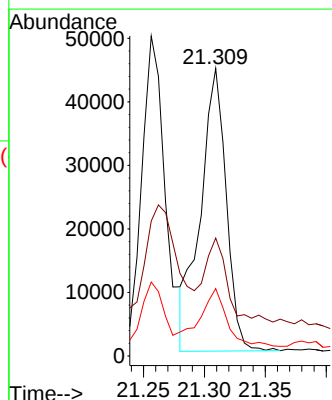
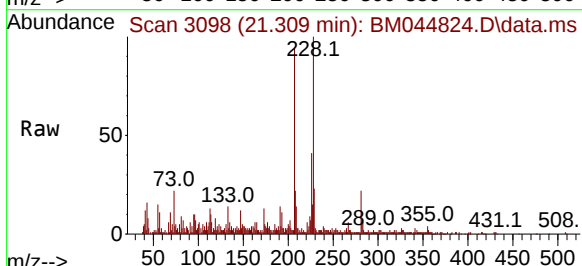
Tgt Ion:228 Resp: 65740

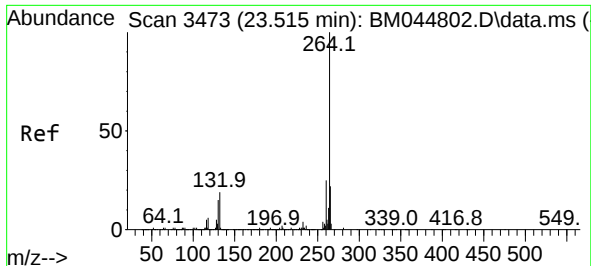
Ion Ratio Lower Upper

228 100

226 41.0 23.7 35.5#

229 23.4 15.7 23.5

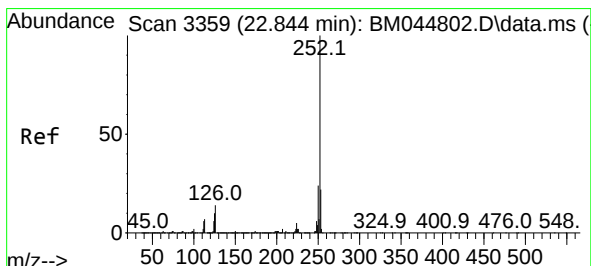
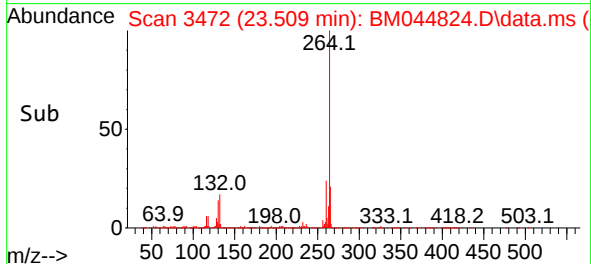
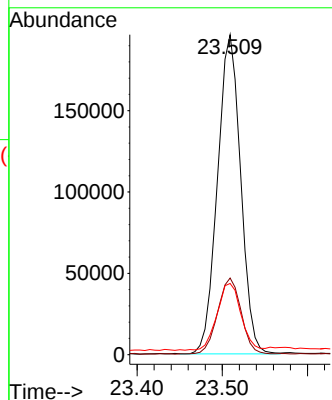
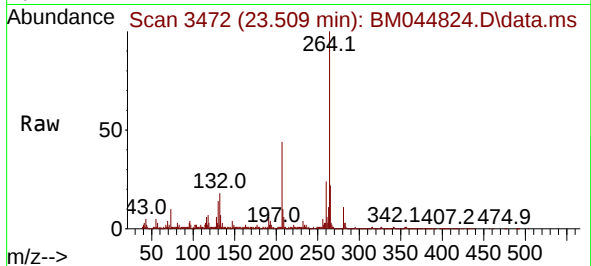




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.509 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

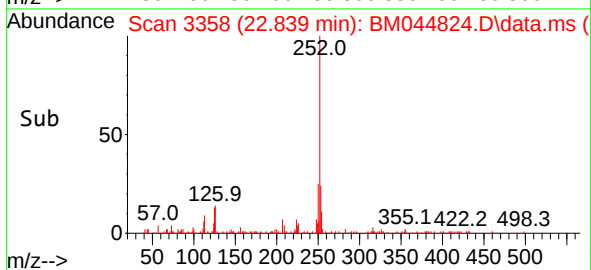
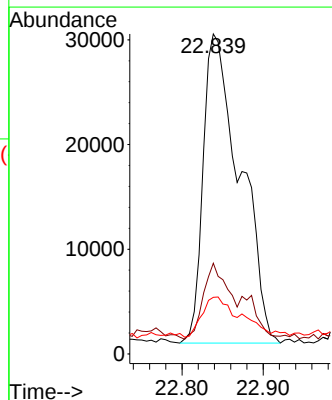
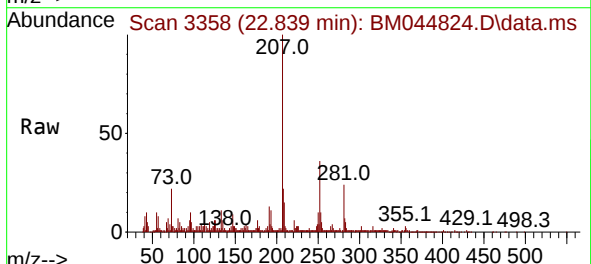
Instrument :
BNA_M
ClientSampleId :

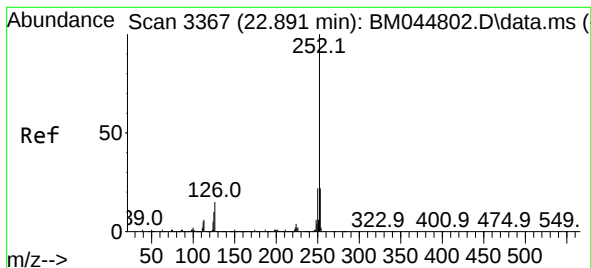
Tgt Ion:264 Resp: 371345
Ion Ratio Lower Upper
264 100
260 24.0 19.7 29.5
265 22.3 18.9 28.3



#88
Benzo(b)fluoranthene
Concen: 4.433 ng
RT: 22.839 min Scan# 3358
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

Tgt Ion:252 Resp: 93292
Ion Ratio Lower Upper
252 100
253 28.3 17.5 26.3#
125 17.7 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 4.415 ng

RT: 22.839 min Scan# 31

Delta R.T. -0.053 min

Lab File: BM044824.D

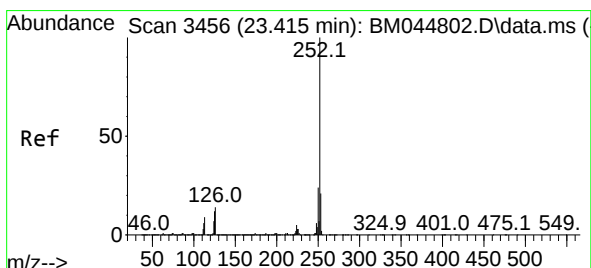
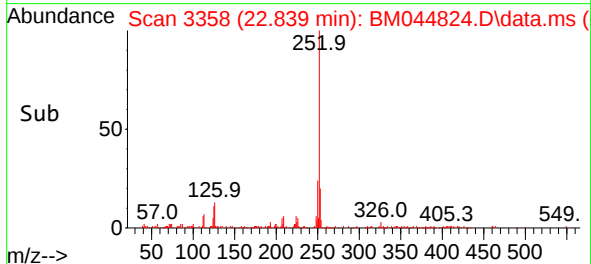
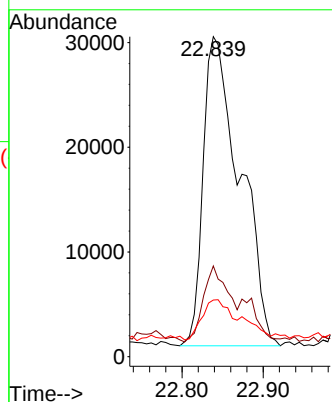
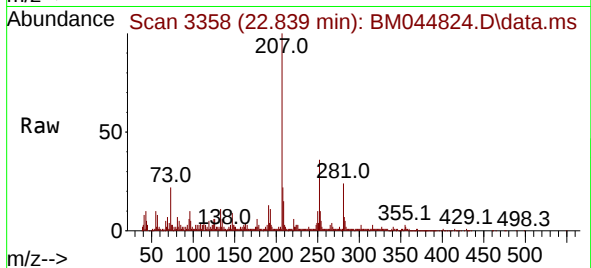
Acq: 29 Mar 2024 20:41

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	252	Resp:	93292
Ion Ratio	Lower	Upper	
252	100		
253	28.3	17.7	26.5#
125	17.7	8.3	12.5#



#90

Benzo(a)pyrene

Concen: 3.080 ng

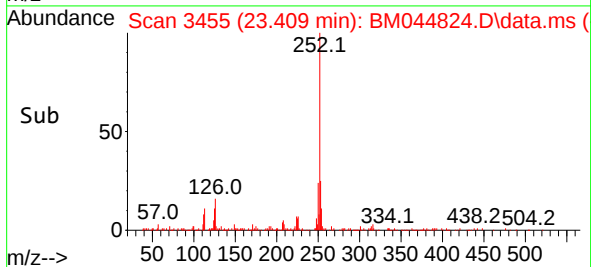
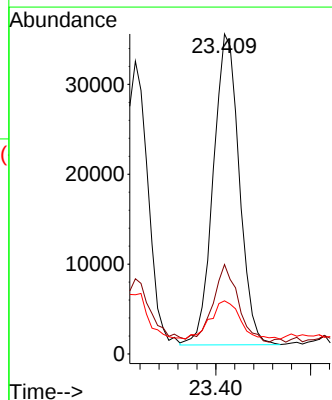
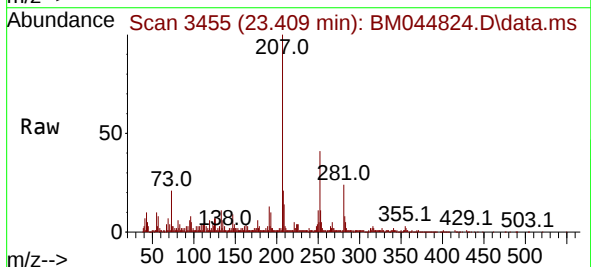
RT: 23.409 min Scan# 3455

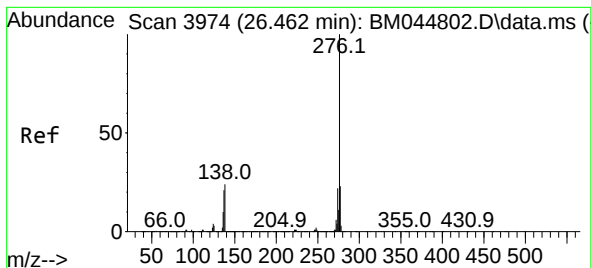
Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Tgt Ion:	252	Resp:	65774
Ion Ratio	Lower	Upper	
252	100		
253	27.9	17.3	25.9#
125	16.6	9.8	14.8#





#92

Benzo(g,h,i)perylene

Concen: 3.136 ng

RT: 26.450 min Scan# 3972

Delta R.T. -0.012 min

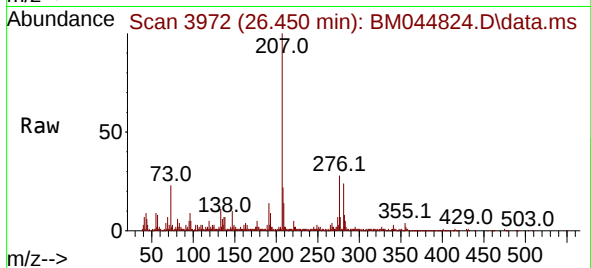
Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 76217

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 25.0 19.2 28.8

