

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080823\
 Data File : BM041329.D
 Acq On : 08 Aug 2023 14:03
 Operator : MA/JU
 Sample : DFTPP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

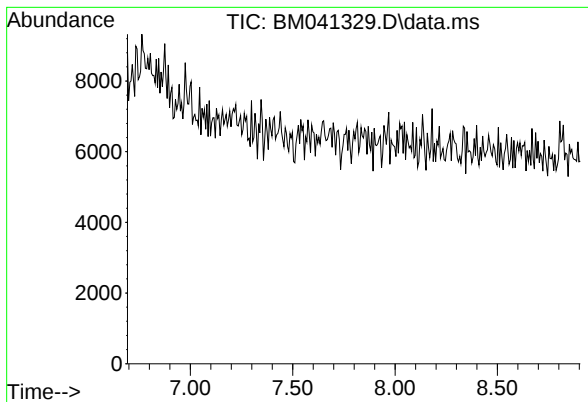
Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 09 01:15:59 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	0.000	152	0	0.000	ng	-7.79
21) Naphthalene-d8	0.000	136	0	0.000	ng	-10.59
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-14.45
64) Phenanthrene-d10	0.000	188	0	0.000	ng	-17.22
76) Chrysene-d12	21.433	240	1625	20.000	ng	# 0.01
86) Perylene-d12	23.809	264	586	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.000	ng	
7) Phenol-d6	0.000	99	0	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0	0.000	ng	
79) Terphenyl-d14	19.850	244	2260	25.146	ng	0.00
Target Compounds						Qvalue
77) Benzidine	19.480	184	1525344	68868.708	ng	100
78) Pyrene	19.656	202	1872	16.473	ng	94
80) Butylbenzylphthalate	20.592	149	715	17.229	ng	86
81) Benzo(a)anthracene	21.415	228	2392	21.714	ng	96
82) 3,3'-Dichlorobenzidine	21.362	252	2018	56.138	ng	# 93
83) Chrysene	21.415	228	2392	22.449	ng	93
84) Bis(2-ethylhexyl)phtha...	21.321	149	3656	55.080	ng	# 95
85) Di-n-octyl phthalate	22.244	149	609	5.807	ng	# 70
87) Indeno(1,2,3-cd)pyrene	26.262	276	864	20.054	ng	# 91
88) Benzo(b)fluoranthene	23.091	252	1681	48.288	ng	# 21
89) Benzo(k)fluoranthene	23.133	252	1359	38.164	ng	# 1
90) Benzo(a)pyrene	23.697	252	426	12.736	ng	# 1
91) Dibenzo(a,h)anthracene	26.285	278	876	24.377	ng	# 1
92) Benzo(g,h,i)perylene	27.032	276	810	23.036	ng	# 39

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

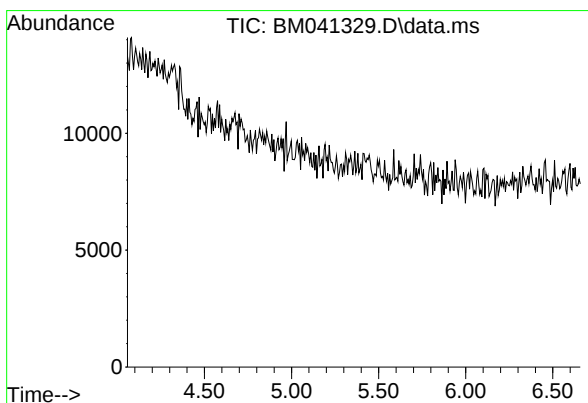
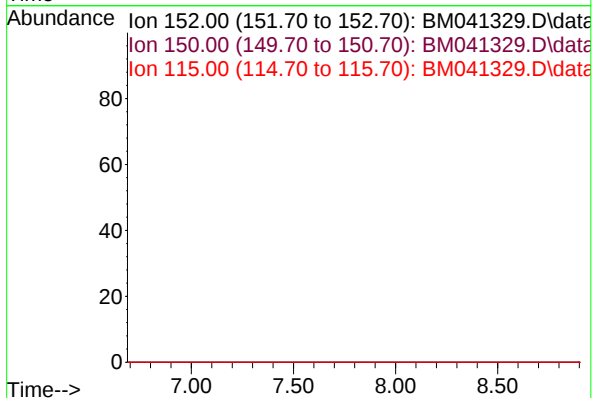


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 7.79 min
 Lab File: BM041329.D
 Acq: 08 Aug 2023 14:03

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion: 152

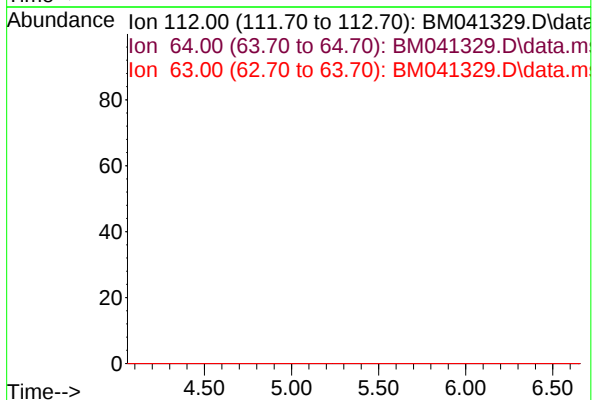
Sig	Exp Ratio
152	100
150	156.9
115	60.0

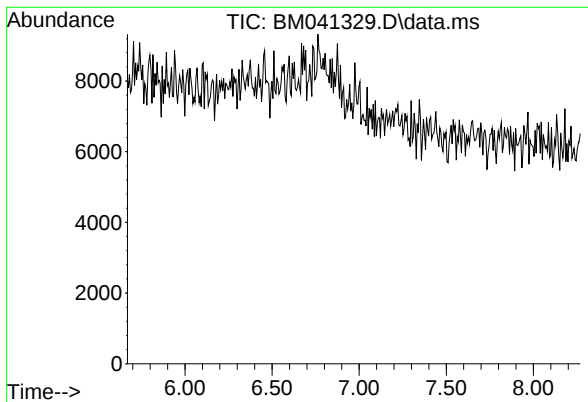


#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.36 min
 Lab File: BM041329.D
 Acq: 08 Aug 2023 14:03

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	60.6
63	33.1



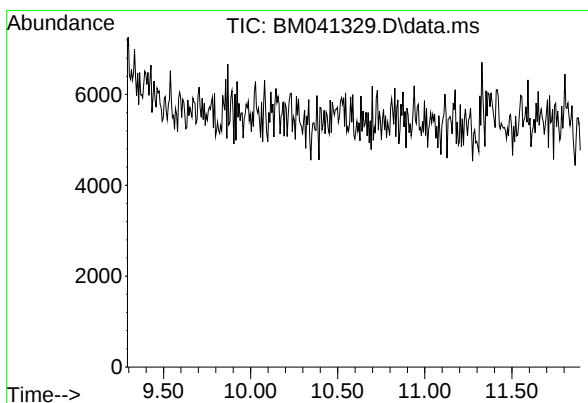
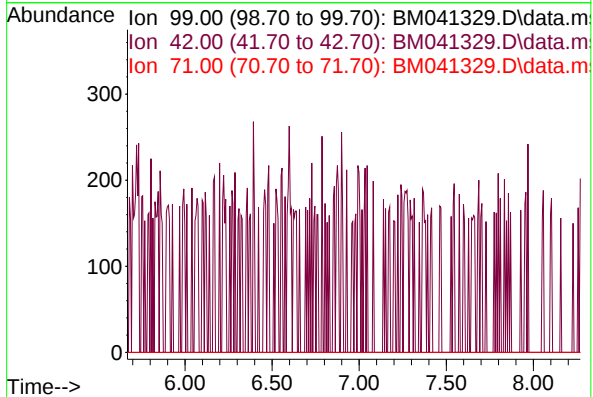


#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.97 min
 Lab File: BM041329.D
 Acq: 08 Aug 2023 14:03

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion: 99

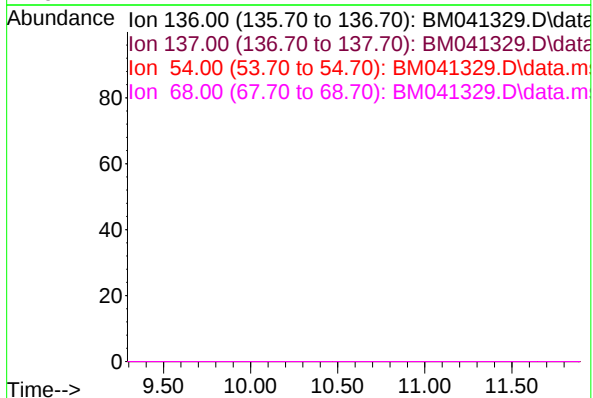
Sig	Exp Ratio
99	100
42	19.2
71	35.3

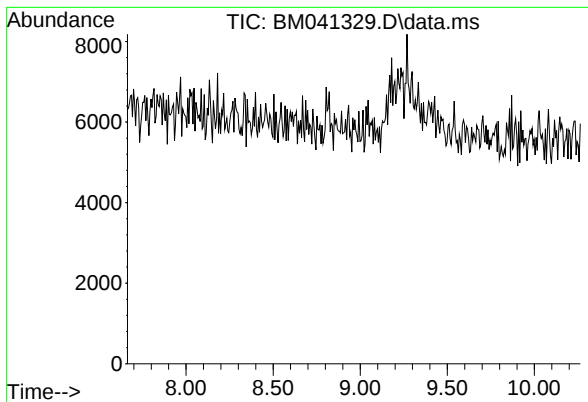


#21
 Naphthalene-d8
 Concen: 0.000 ng
 Expected RT: 10.59 min
 Lab File: BM041329.D
 Acq: 08 Aug 2023 14:03

Tgt Ion: 136

Sig	Exp Ratio
136	100
137	11.0
54	8.6
68	6.8



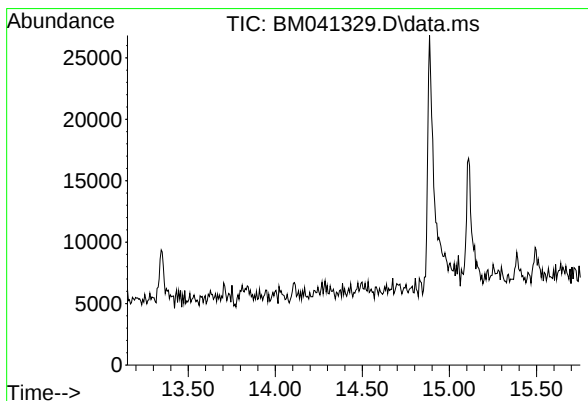
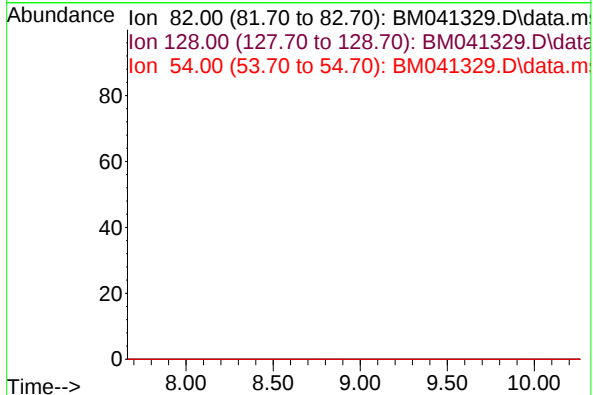


#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.96 min
 Lab File: BM041329.D
 Acq: 08 Aug 2023 14:03

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion: 82

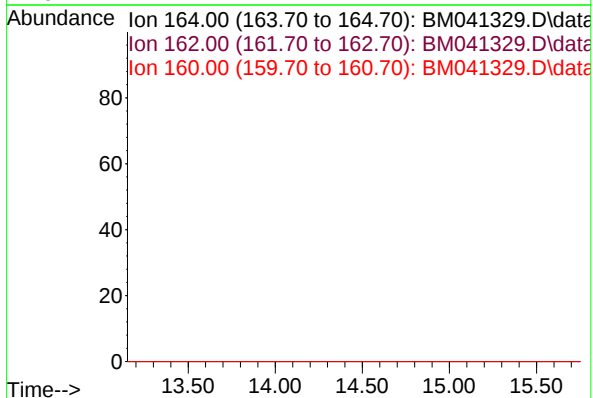
Sig	Exp Ratio
82	100
128	39.7
54	50.1

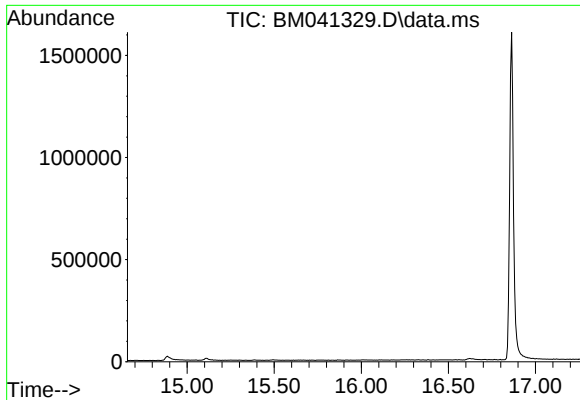


#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.45 min
 Lab File: BM041329.D
 Acq: 08 Aug 2023 14:03

Tgt Ion: 164

Sig	Exp Ratio
164	100
162	100.5
160	45.2



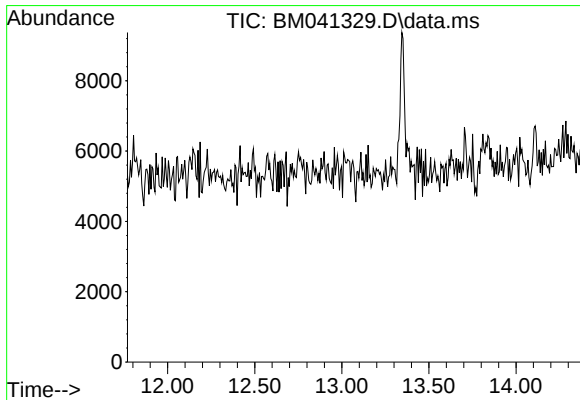
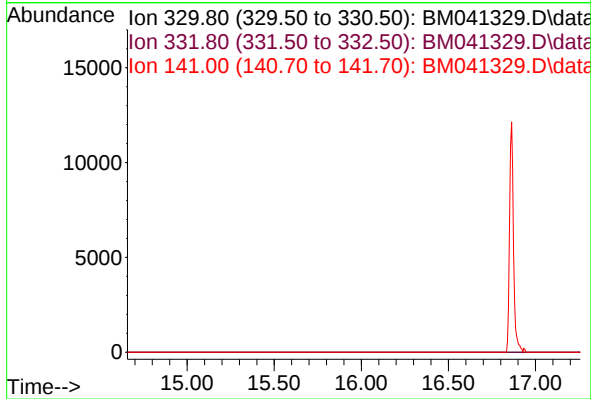


#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 15.96 min
 Lab File: BM041329.D
 Acq: 08 Aug 2023 14:03

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion: 330

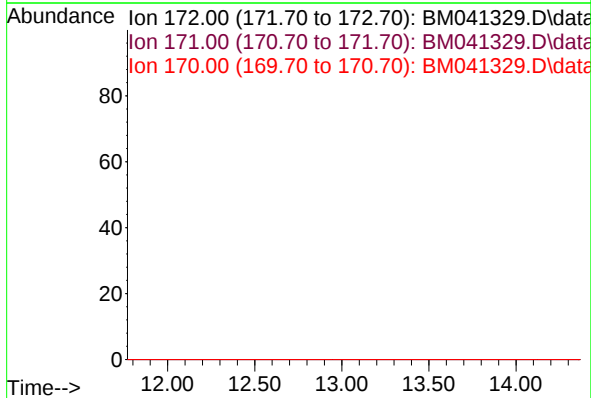
Sig	Exp Ratio
330	100
332	97.1
141	35.4

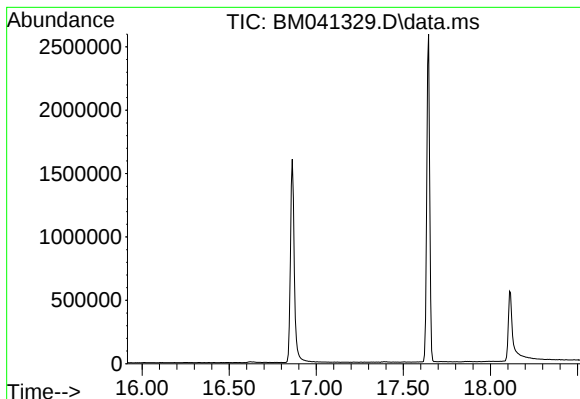


#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.07 min
 Lab File: BM041329.D
 Acq: 08 Aug 2023 14:03

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.1
170	23.6



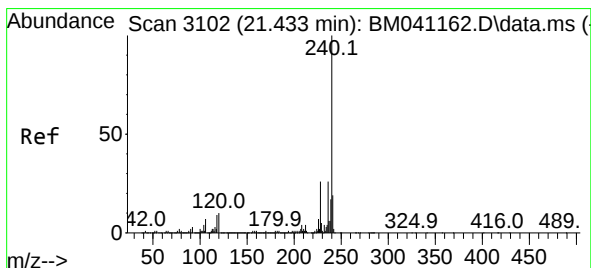
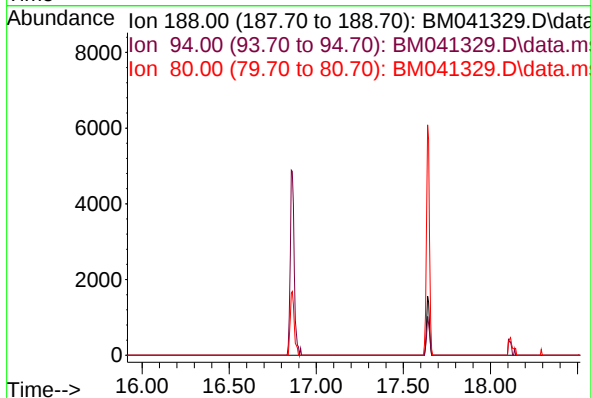


#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.22 min
 Lab File: BM041329.D
 Acq: 08 Aug 2023 14:03

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion: 188

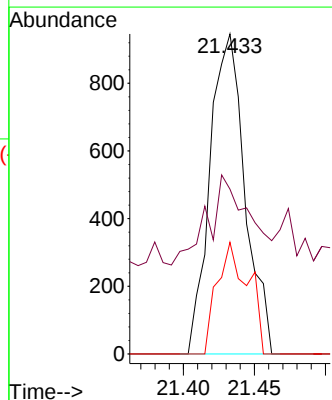
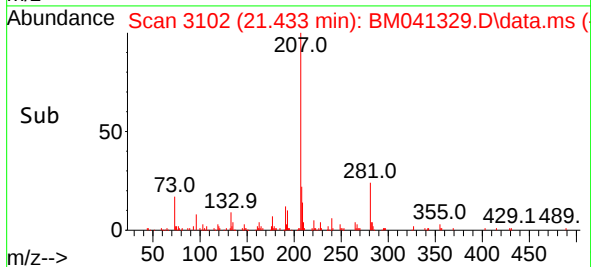
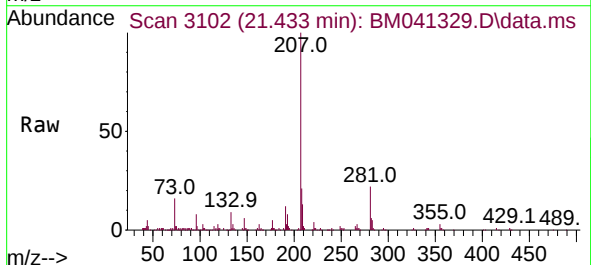
Sig	Exp Ratio
188	100
94	10.2
80	10.8

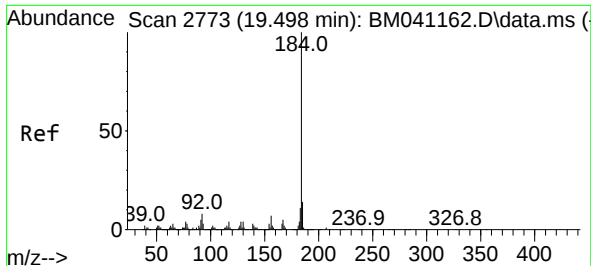


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.433 min Scan# 3102
 Delta R.T. 0.012 min
 Lab File: BM041329.D
 Acq: 08 Aug 2023 14:03

Tgt Ion: 240 Resp: 1625

Ion	Ratio	Lower	Upper
240	100		
120	51.5	8.3	12.5#
236	34.9	20.6	30.8#

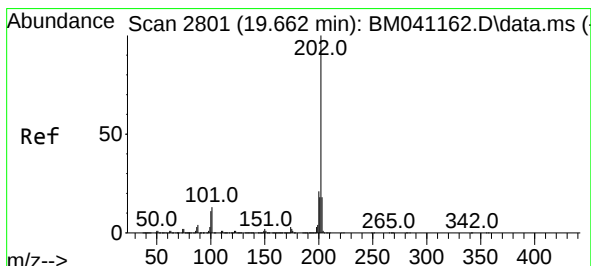
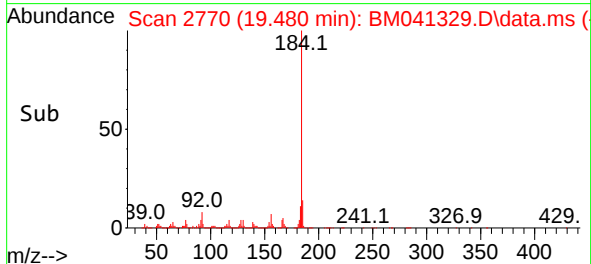
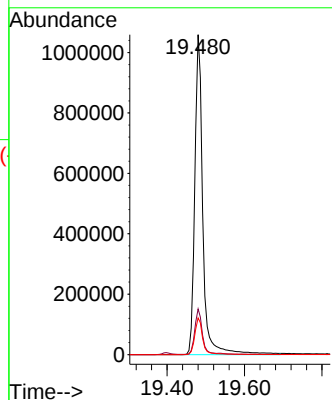
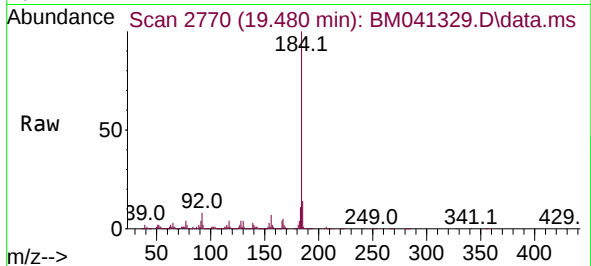




#77
Benzidine
Concen: 68868.708 ng
RT: 19.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM041329.D
Acq: 08 Aug 2023 14:03

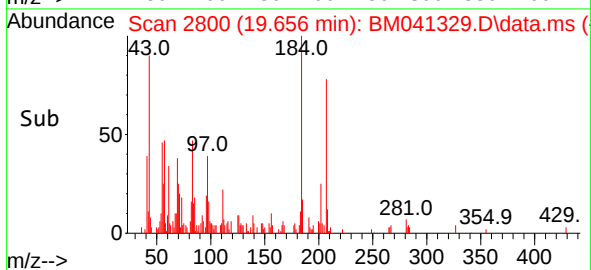
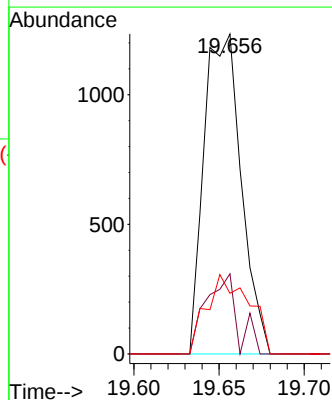
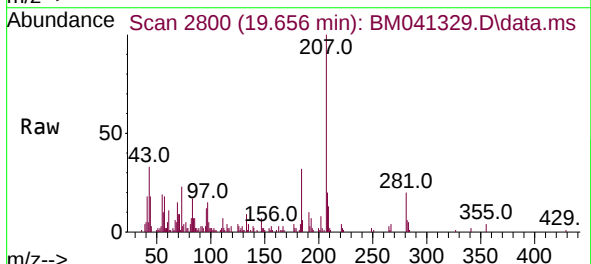
Instrument :
BNA_M
ClientSampleId :

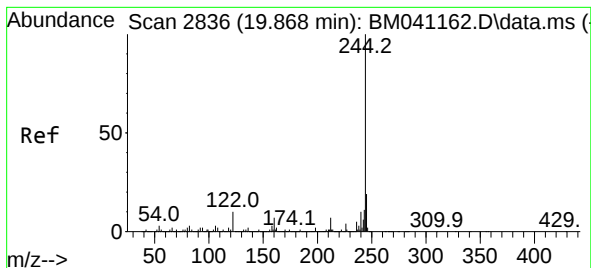
Tgt Ion:184 Resp: 1525344
Ion Ratio Lower Upper
184 100
185 14.3 11.4 17.0
183 11.5 9.2 13.8



#78
Pyrene
Concen: 16.473 ng
RT: 19.656 min Scan# 2800
Delta R.T. 0.012 min
Lab File: BM041329.D
Acq: 08 Aug 2023 14:03

Tgt Ion:202 Resp: 1872
Ion Ratio Lower Upper
202 100
200 25.0 16.9 25.3
203 18.9 14.1 21.1





#79

Terphenyl-d14

Concen: 25.146 ng

RT: 19.850 min Scan# 2836

Delta R.T. 0.000 min

Lab File: BM041329.D

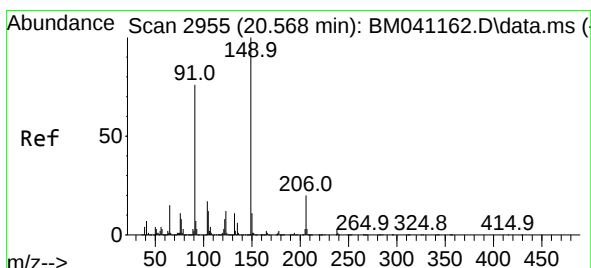
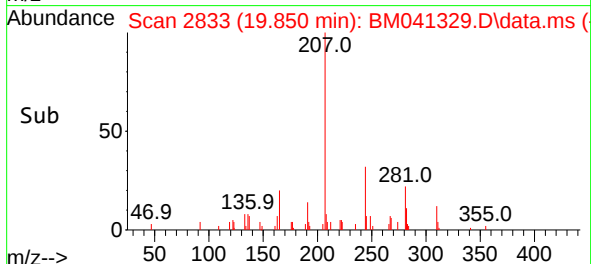
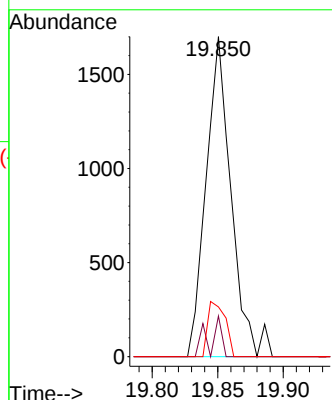
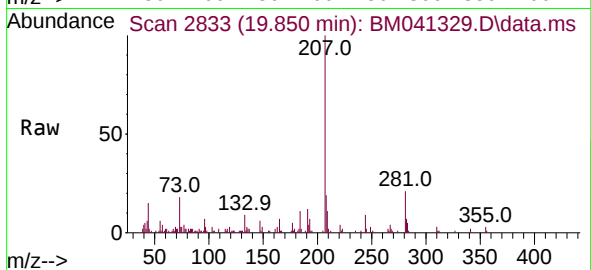
Acq: 08 Aug 2023 14:03

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	244	Resp:	2260
Ion Ratio	Lower	Upper	
244	100		
212	12.7	5.4	8.2#
122	15.5	7.8	11.6#



#80

Butylbenzylphthalate

Concen: 17.229 ng

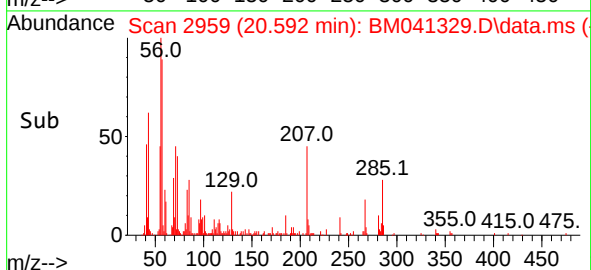
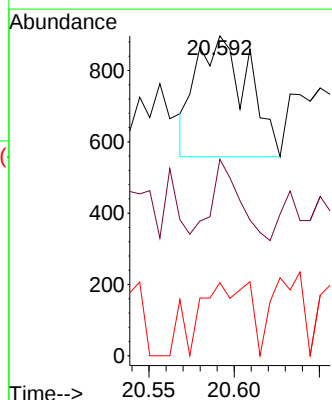
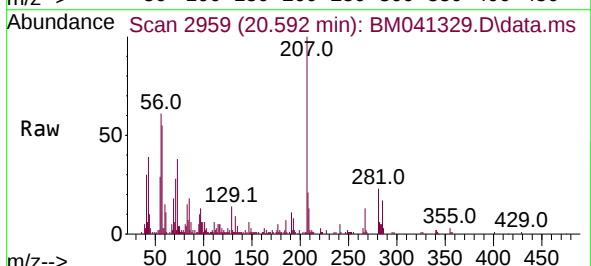
RT: 20.592 min Scan# 2959

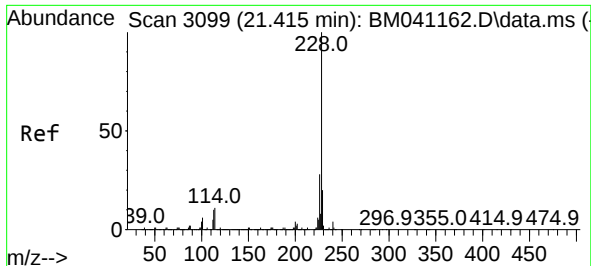
Delta R.T. 0.041 min

Lab File: BM041329.D

Acq: 08 Aug 2023 14:03

Tgt Ion:	149	Resp:	715
Ion Ratio	Lower	Upper	
149	100		
91	61.4	60.8	91.2
206	22.9	16.4	24.6

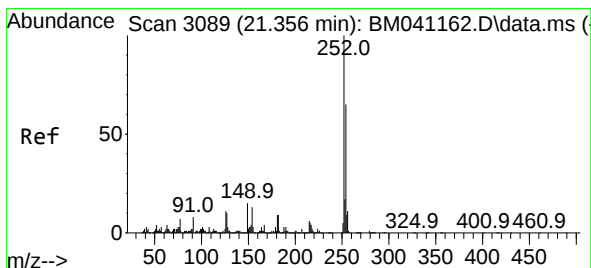
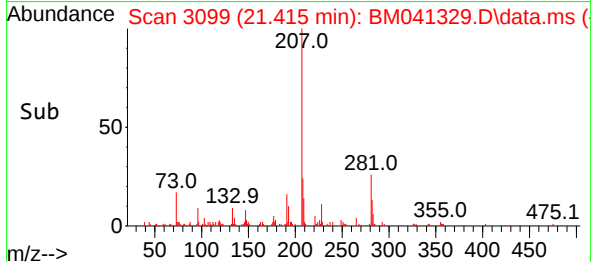
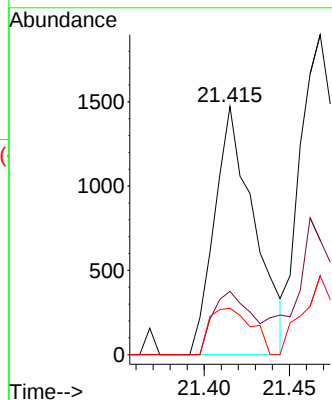
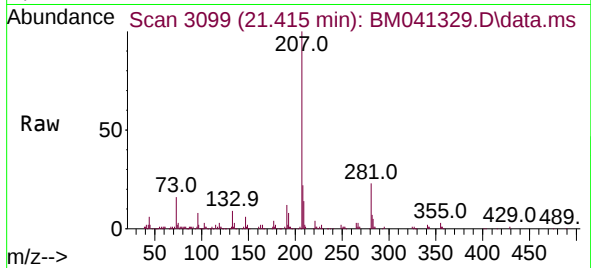




#81
Benzo(a)anthracene
Concen: 21.714 ng
RT: 21.415 min Scan# 3099
Delta R.T. 0.012 min
Lab File: BM041329.D
Acq: 08 Aug 2023 14:03

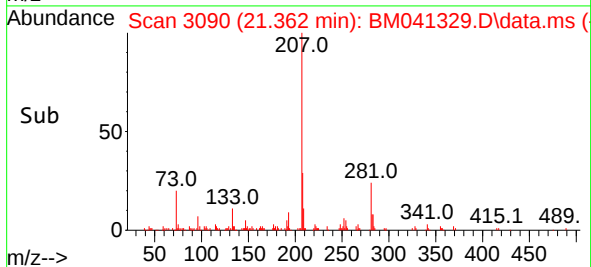
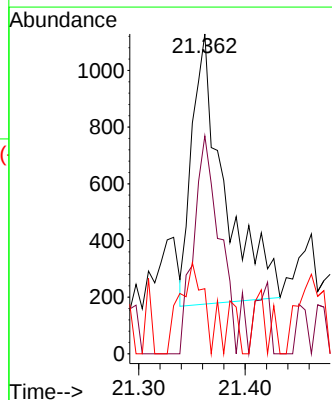
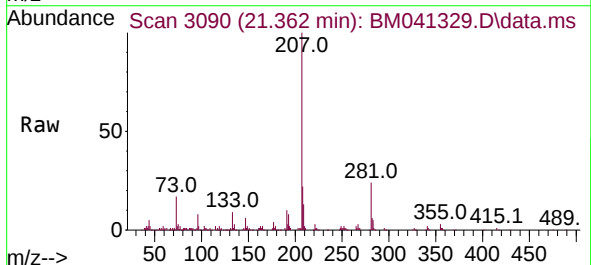
Instrument :
BNA_M
ClientSampleId :

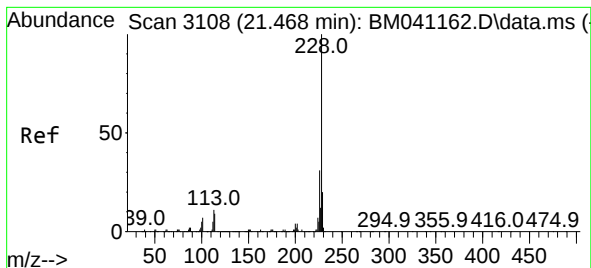
Tgt Ion:	228	Resp:	2392
Ion Ratio	Lower	Upper	
228	100		
226	25.5	22.4	33.6
229	18.7	15.8	23.8



#82
3,3'-Dichlorobenzidine
Concen: 56.138 ng
RT: 21.362 min Scan# 3090
Delta R.T. 0.018 min
Lab File: BM041329.D
Acq: 08 Aug 2023 14:03

Tgt Ion:	252	Resp:	2018
Ion Ratio	Lower	Upper	
252	100		
254	68.1	51.8	77.6
126	20.4	8.6	13.0





#83

Chrysene

Concen: 22.449 ng

RT: 21.415 min Scan# 30

Delta R.T. -0.041 min

Lab File: BM041329.D

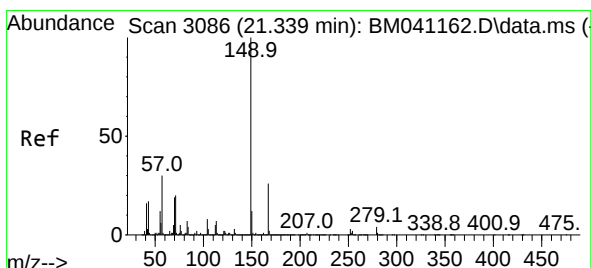
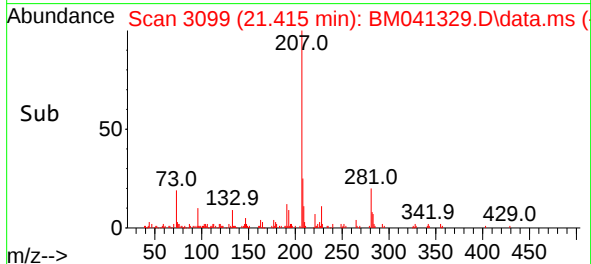
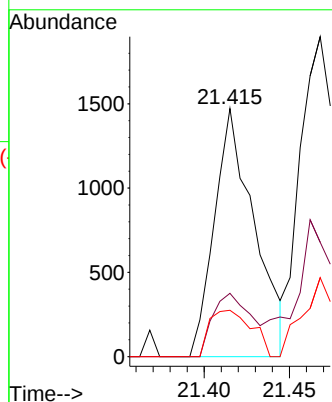
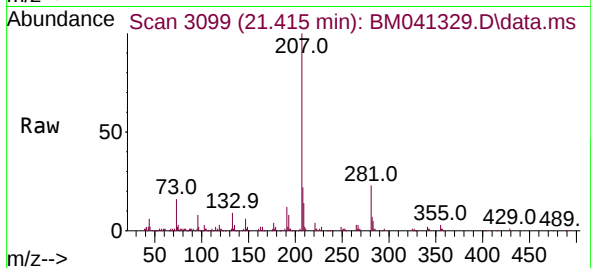
Acq: 08 Aug 2023 14:03

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:228	Resp:	2392
Ion Ratio	Lower	Upper
228	100	
226	25.5	24.5 36.7
229	18.7	15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.080 ng

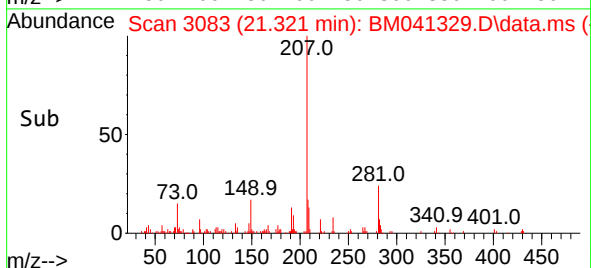
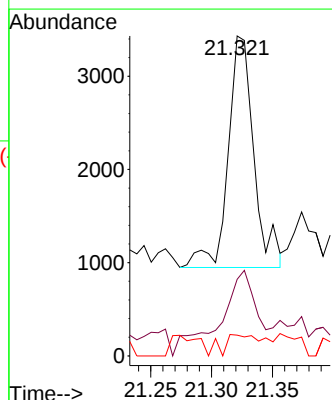
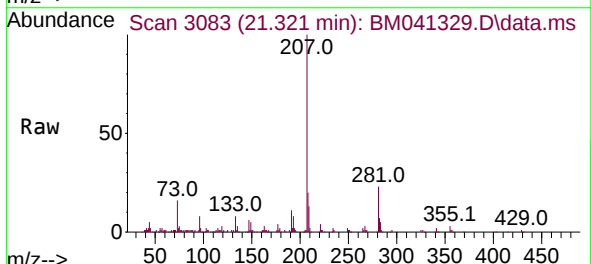
RT: 21.321 min Scan# 3083

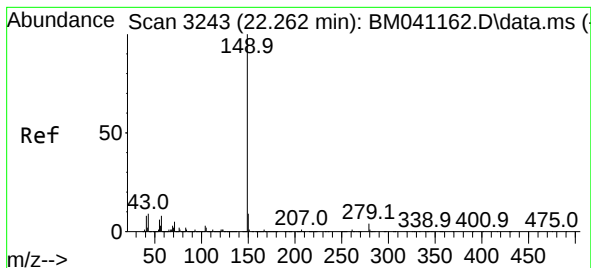
Delta R.T. -0.006 min

Lab File: BM041329.D

Acq: 08 Aug 2023 14:03

Tgt Ion:149	Resp:	3656
Ion Ratio	Lower	Upper
149	100	
167	23.9	21.0 31.6
279	6.5	3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 5.807 ng

RT: 22.244 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM041329.D

Acq: 08 Aug 2023 14:03

Instrument :

BNA_M

ClientSampleId :

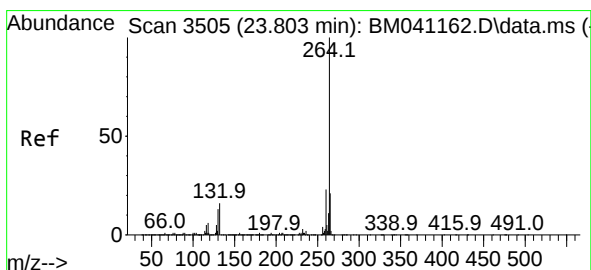
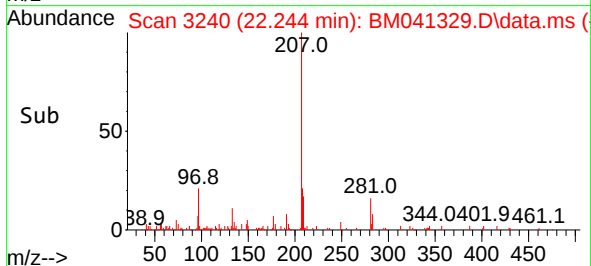
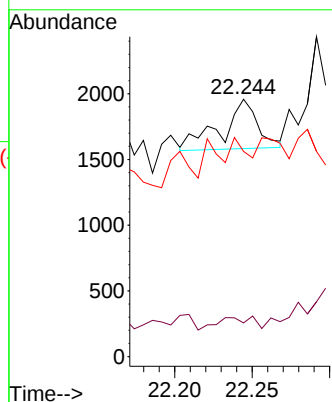
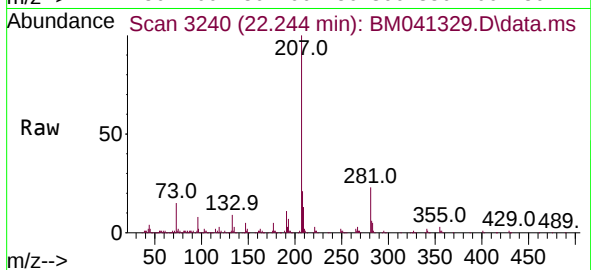
Tgt Ion:149 Resp: 609

Ion Ratio Lower Upper

149 100

167 19.0 1.2 1.8#

43 0.0 8.3 12.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.809 min Scan# 3506

Delta R.T. 0.024 min

Lab File: BM041329.D

Acq: 08 Aug 2023 14:03

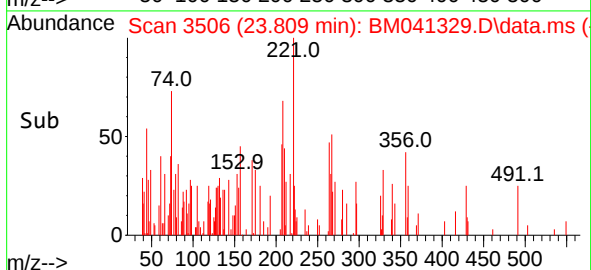
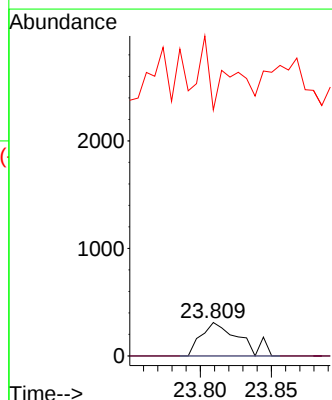
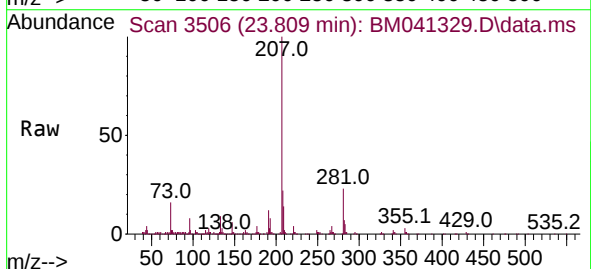
Tgt Ion:264 Resp: 586

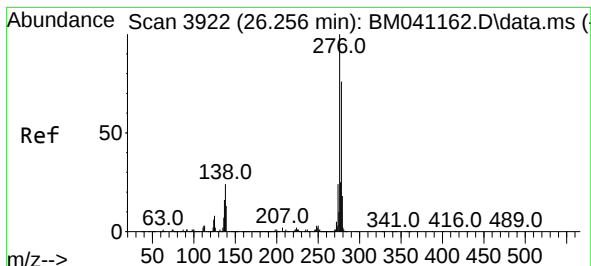
Ion Ratio Lower Upper

264 100

260 0.0 18.5 27.7#

265 737.7 17.4 26.0#





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.054 ng

RT: 26.262 min Scan# 3922

Delta R.T. 0.018 min

Lab File: BM041329.D

Acq: 08 Aug 2023 14:03

Instrument :

BNA_M

ClientSampleId :

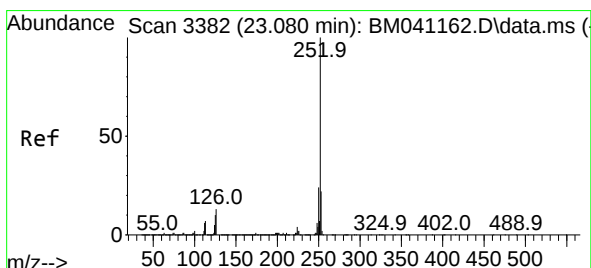
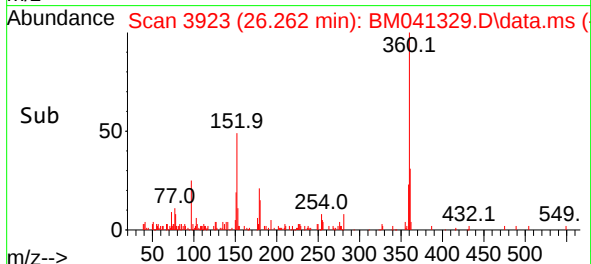
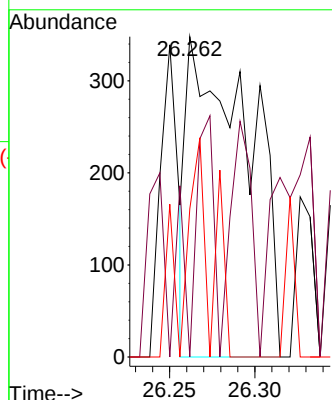
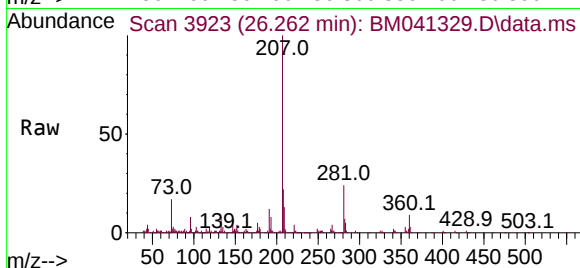
Tgt Ion:276 Resp: 864

Ion Ratio Lower Upper

276 100

138 28.0 20.0 30.0

277 31.4 20.1 30.1#



#88

Benzo(b)fluoranthene

Concen: 48.288 ng

RT: 23.091 min Scan# 3384

Delta R.T. 0.018 min

Lab File: BM041329.D

Acq: 08 Aug 2023 14:03

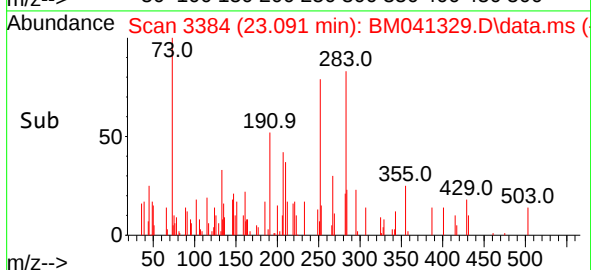
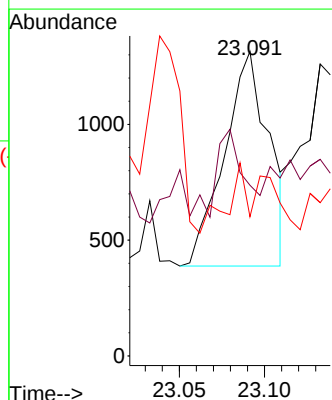
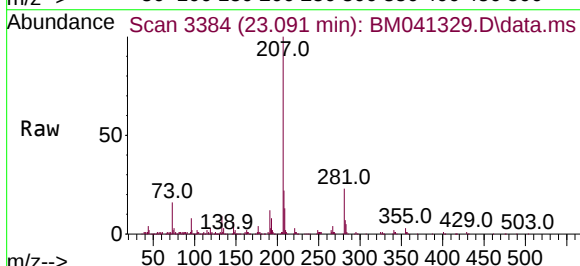
Tgt Ion:252 Resp: 1681

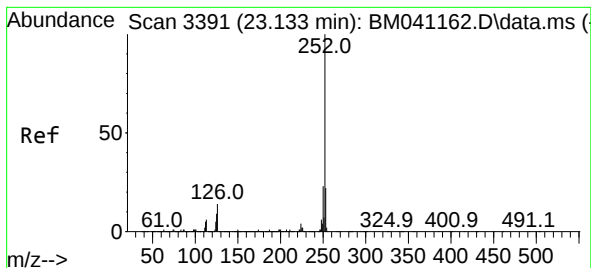
Ion Ratio Lower Upper

252 100

253 56.0 17.7 26.5#

125 45.7 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 38.164 ng

RT: 23.133 min Scan# 3391

Delta R.T. 0.012 min

Lab File: BM041329.D

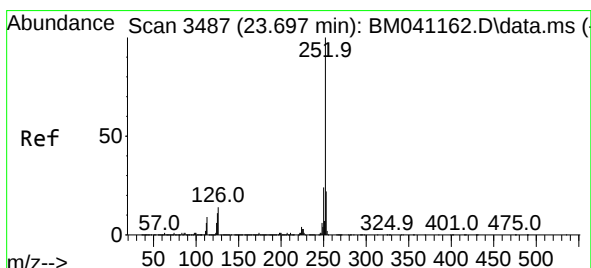
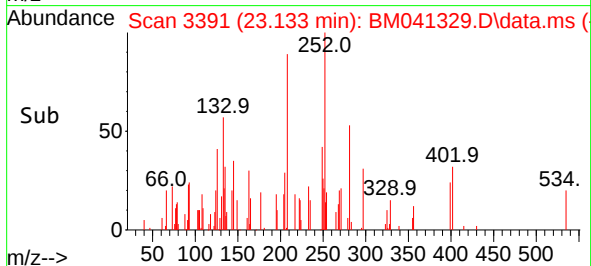
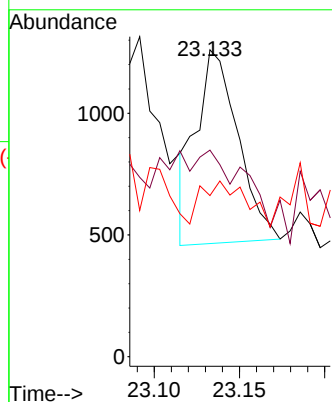
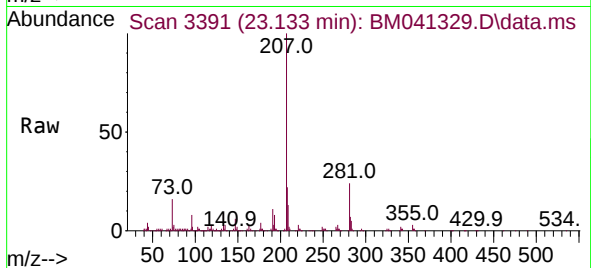
Acq: 08 Aug 2023 14:03

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:252	Resp:	1359
Ion Ratio	Lower	Upper
252	100	
253	67.3	17.4 26.0#
125	52.5	7.6 11.4#



#90

Benzo(a)pyrene

Concen: 12.736 ng

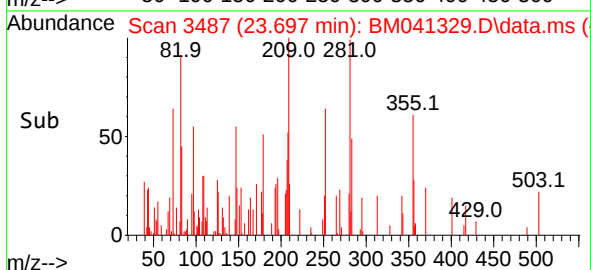
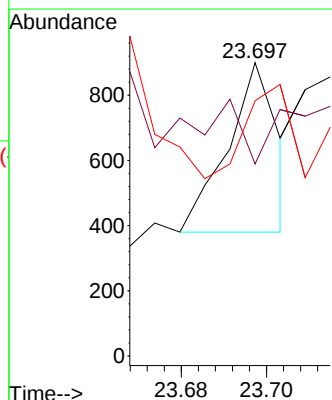
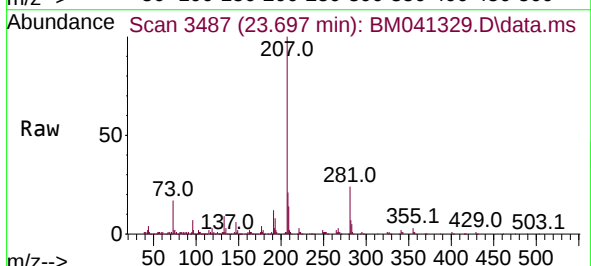
RT: 23.697 min Scan# 3487

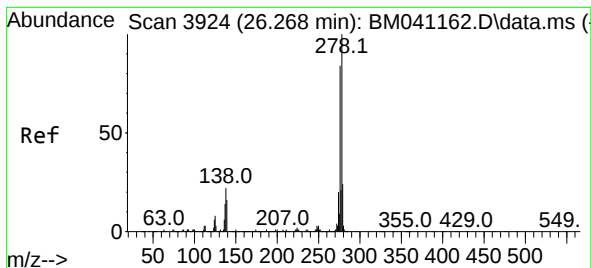
Delta R.T. 0.012 min

Lab File: BM041329.D

Acq: 08 Aug 2023 14:03

Tgt Ion:252	Resp:	426
Ion Ratio	Lower	Upper
252	100	
253	65.4	17.3 25.9#
125	87.0	9.0 13.4#





#91

Dibenzo(a,h)anthracene

Concen: 24.377 ng

RT: 26.285 min Scan# 39

Delta R.T. 0.029 min

Lab File: BM041329.D

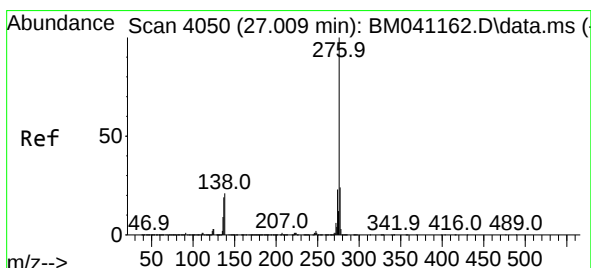
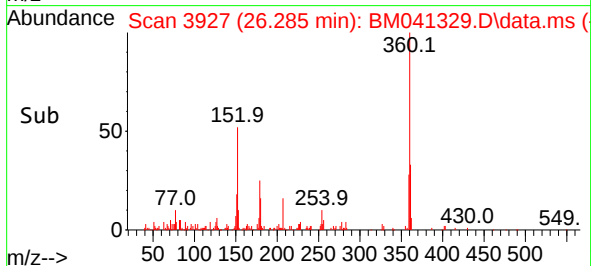
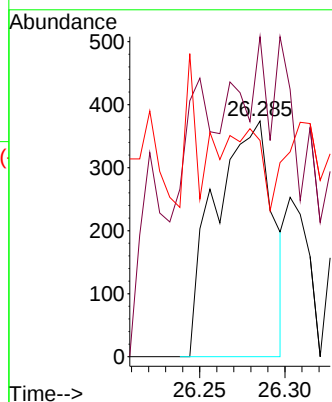
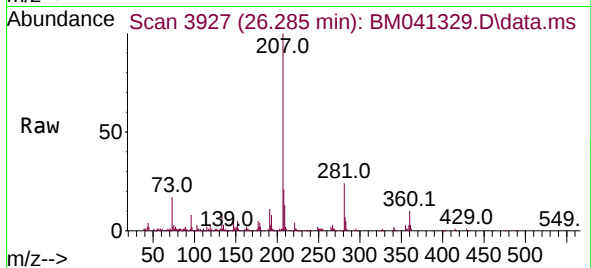
Acq: 08 Aug 2023 14:03

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	278	Resp:	876
Ion	Ratio	Lower	Upper
278	100		
139	135.8	12.7	19.1#
279	91.7	19.1	28.7#



#92

Benzo(g,h,i)perylene

Concen: 23.036 ng

RT: 27.032 min Scan# 4054

Delta R.T. 0.035 min

Lab File: BM041329.D

Acq: 08 Aug 2023 14:03

Tgt Ion:	276	Resp:	810
Ion	Ratio	Lower	Upper
276	100		
277	58.7	19.1	28.7#
138	45.4	17.1	25.7#

