

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021524\
 Data File : BP019729.D
 Acq On : 15 Feb 2024 18:36
 Operator : MA/JU
 Sample : P1473-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 16 00:54:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

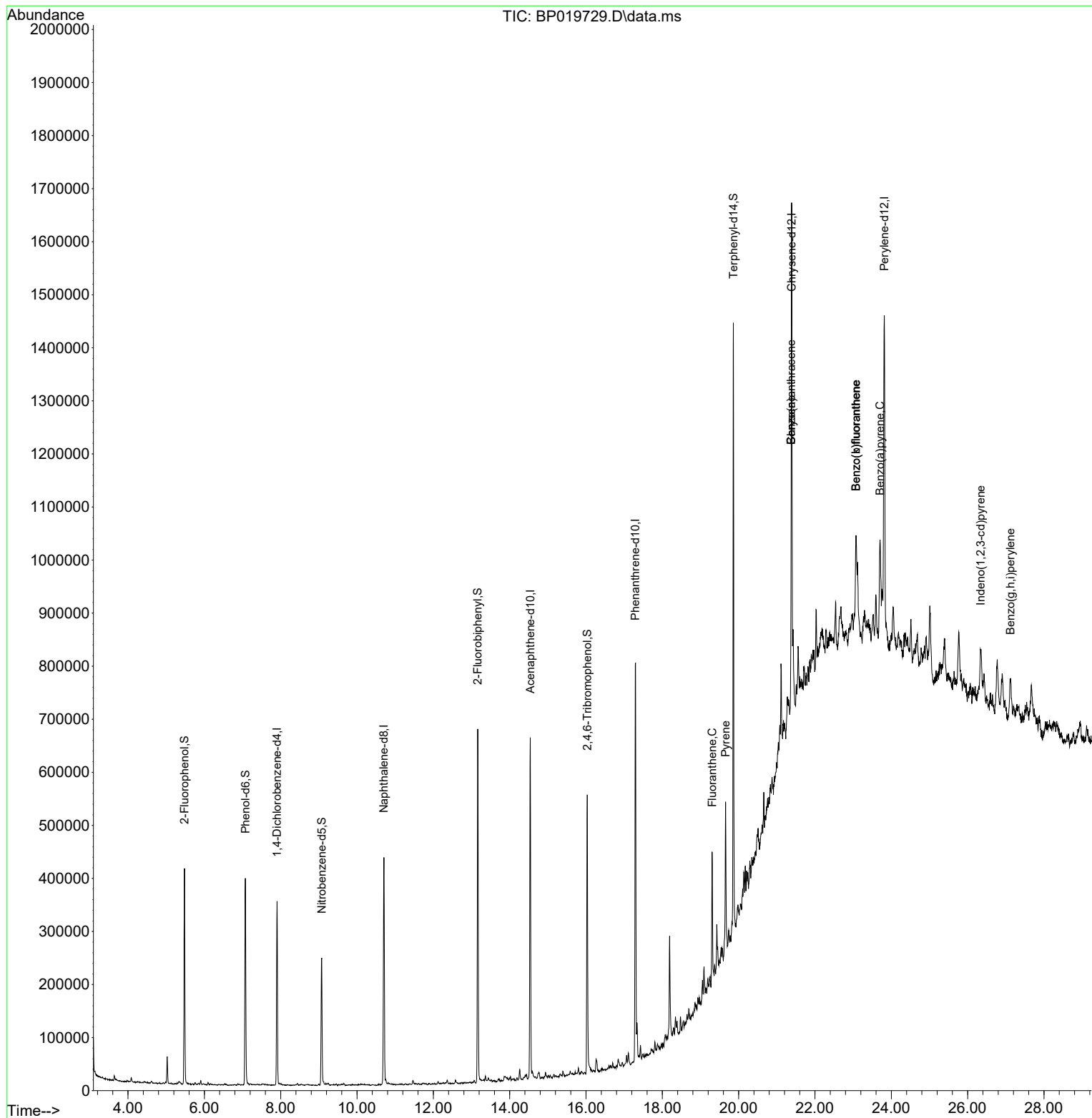
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	92913	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	353179	20.000	ng	-0.01
39) Acenaphthene-d10	14.539	164	233765	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	516522	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	472338	20.000	ng	0.00
86) Perylene-d12	23.815	264	539842	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	172097	29.857	ng	0.00
7) Phenol-d6	7.075	99	223468	28.752	ng	-0.01
23) Nitrobenzene-d5	9.075	82	150461	18.460	ng	-0.01
42) 2,4,6-Tribromophenol	16.033	330	116062	34.005	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	364835	19.294	ng	-0.02
79) Terphenyl-d14	19.863	244	589990	20.542	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.304	202	142855	4.302	ng	97
78) Pyrene	19.657	202	147692	4.430	ng	99
81) Benzo(a)anthracene	21.374	228	99524	2.993	ng	93
83) Chrysene	21.374	228	99524	3.153	ng	96
87) Indeno(1,2,3-cd)pyrene	26.339	276	90831	2.198	ng	# 96
88) Benzo(b)fluoranthene	23.074	252	147808	4.344	ng	# 76
89) Benzo(k)fluoranthene	23.074	252	147808	4.548	ng	# 76
90) Benzo(a)pyrene	23.704	252	111961	3.698	ng	# 86
92) Benzo(g,h,i)perylene	27.121	276	100261	2.908	ng	# 91

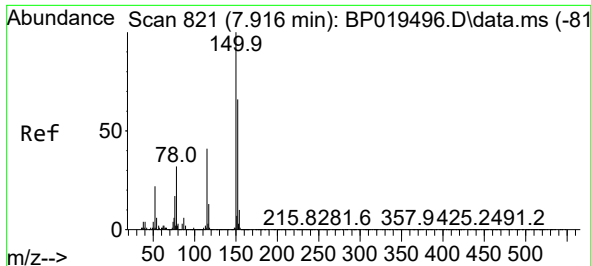
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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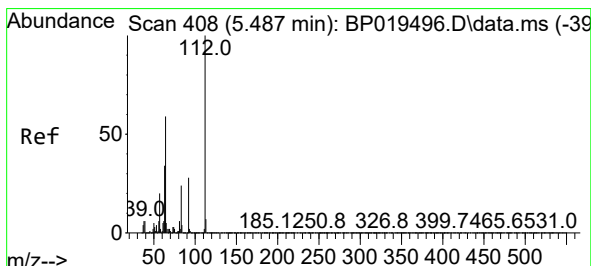
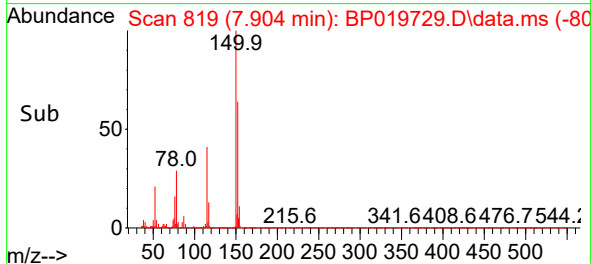
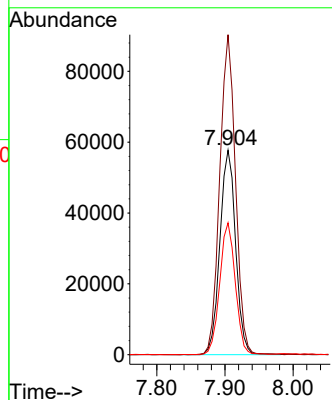
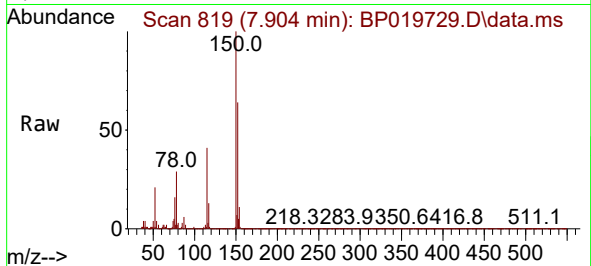




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP019729.D
Acq: 15 Feb 2024 18:36

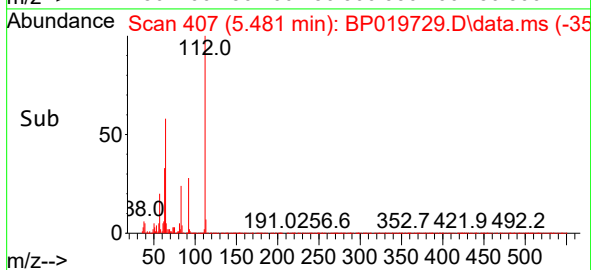
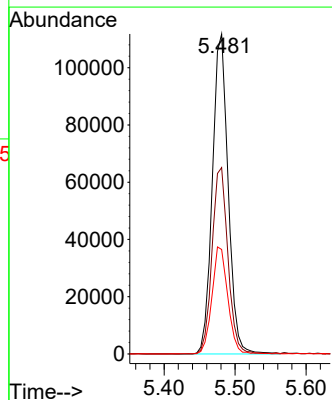
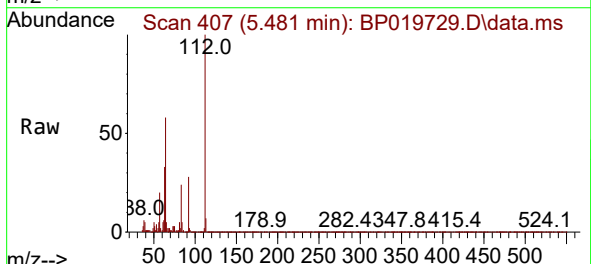
Instrument :
BNA_N
ClientSampleId :

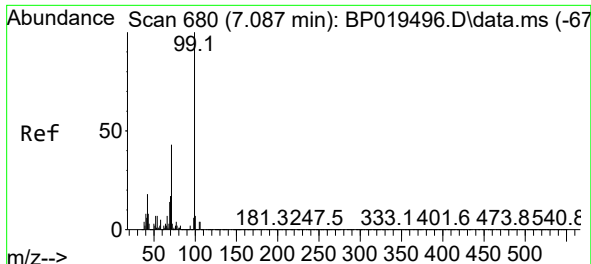
Tgt Ion:152 Resp: 92913
Ion Ratio Lower Upper
152 100
150 156.5 121.8 182.8
115 64.5 49.9 74.9



#5
2-Fluorophenol
Concen: 29.857 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019729.D
Acq: 15 Feb 2024 18:36

Tgt Ion:112 Resp: 172097
Ion Ratio Lower Upper
112 100
64 58.2 47.4 71.0
63 32.7 27.0 40.6

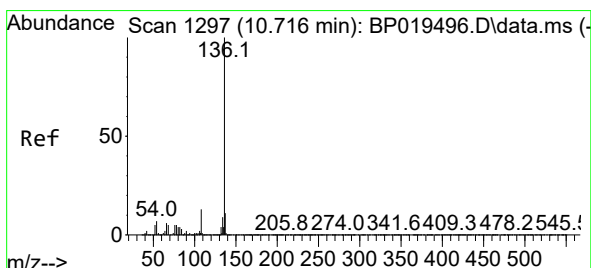
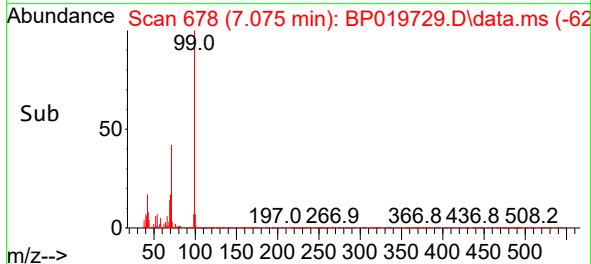
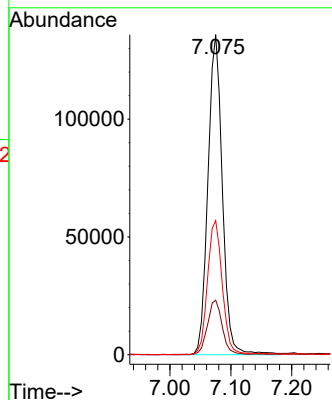
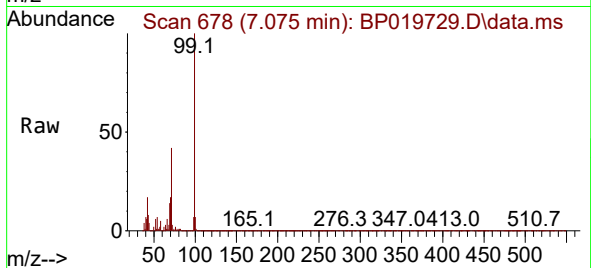




#7
Phenol-d6
Concen: 28.752 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019729.D
Acq: 15 Feb 2024 18:36

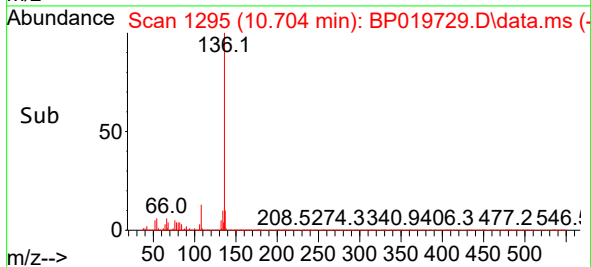
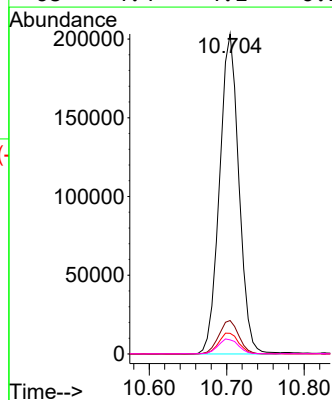
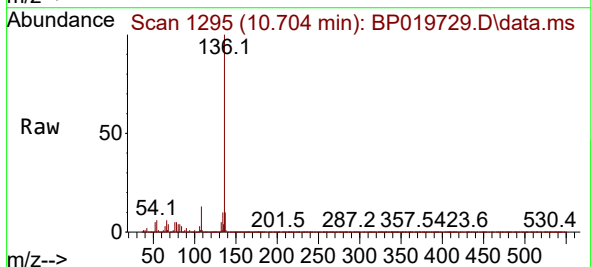
Instrument :
BNA_N
ClientSampleId :

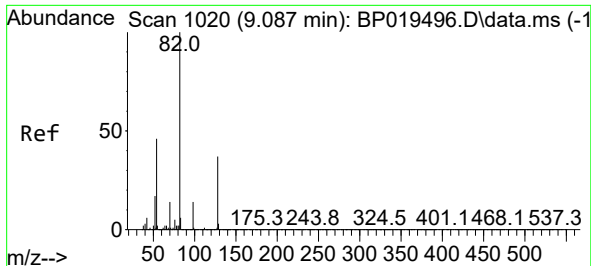
Tgt Ion: 99 Resp: 223468
Ion Ratio Lower Upper
99 100
42 17.1 14.7 22.1
71 41.9 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP019729.D
Acq: 15 Feb 2024 18:36

Tgt Ion: 136 Resp: 353179
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 6.5 5.3 7.9
68 4.4 4.1 6.1

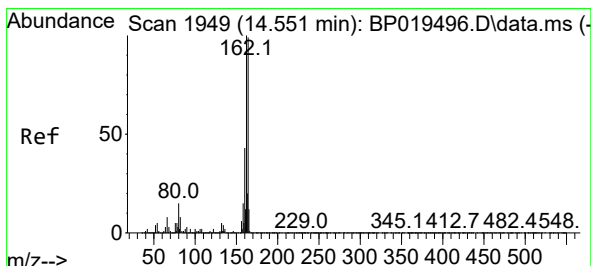
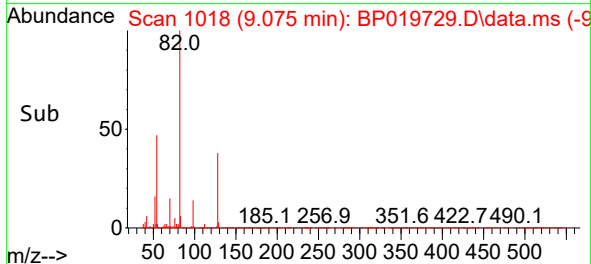
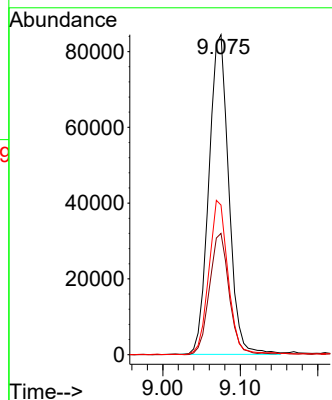
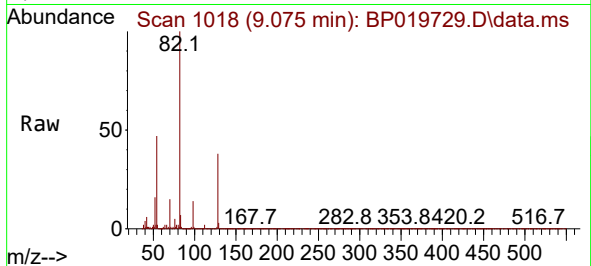




#23
Nitrobenzene-d5
Concen: 18.460 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP019729.D
Acq: 15 Feb 2024 18:36

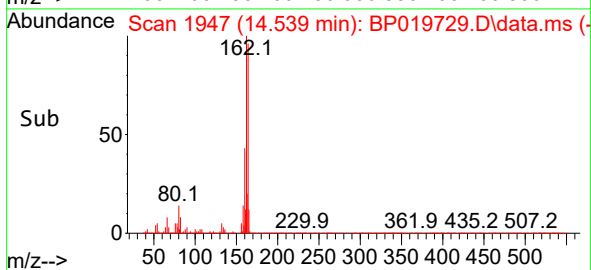
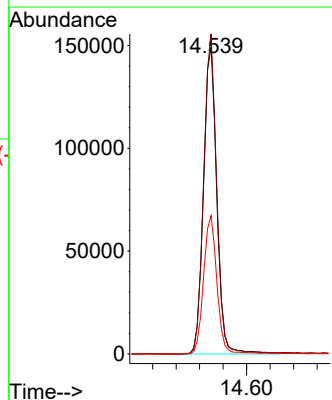
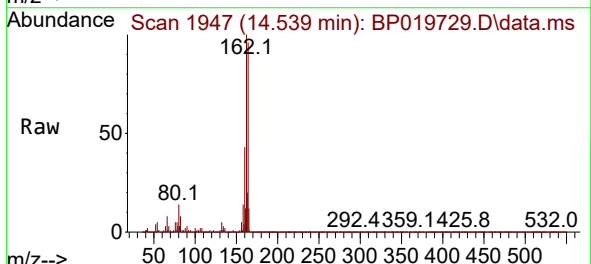
Instrument :
BNA_N
ClientSampleId :

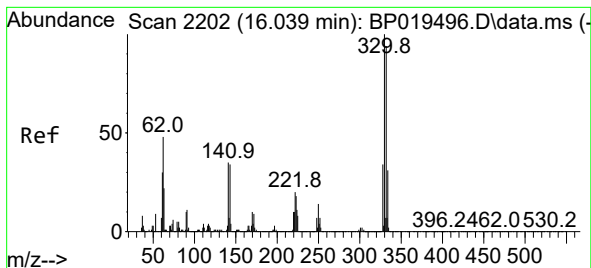
Tgt Ion: 82 Resp: 150461
Ion Ratio Lower Upper
82 100
128 37.9 29.7 44.5
54 46.8 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP019729.D
Acq: 15 Feb 2024 18:36

Tgt Ion:164 Resp: 233765
Ion Ratio Lower Upper
164 100
162 104.1 81.2 121.8
160 45.0 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 34.005 ng

RT: 16.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

Instrument :

BNA_N

ClientSampleId :

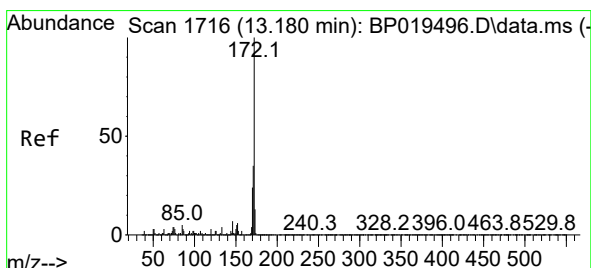
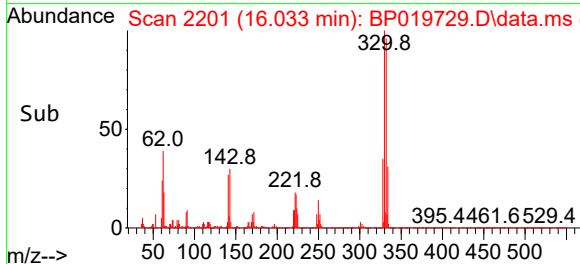
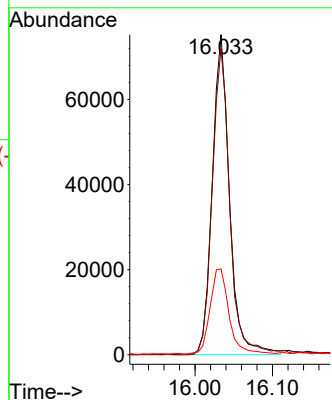
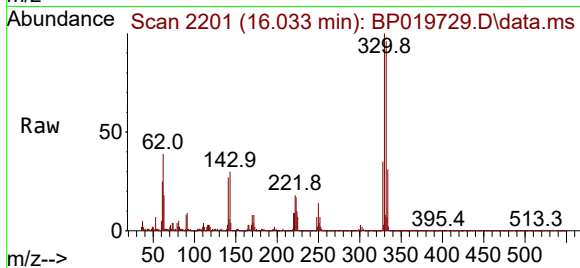
Tgt Ion:330 Resp: 116062

Ion Ratio Lower Upper

330 100

332 99.5 77.2 115.8

141 29.2 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 19.294 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.017 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

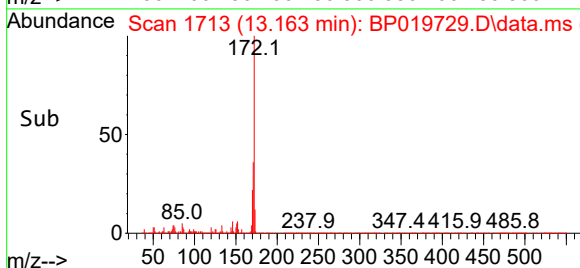
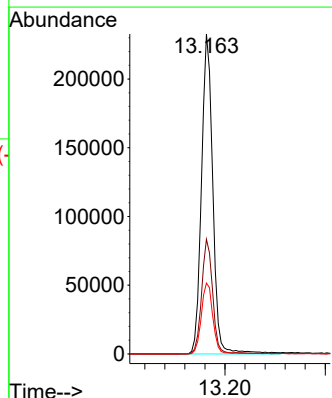
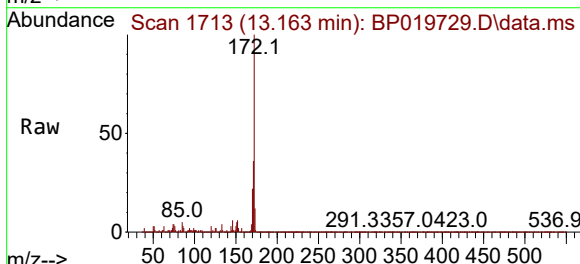
Tgt Ion:172 Resp: 364835

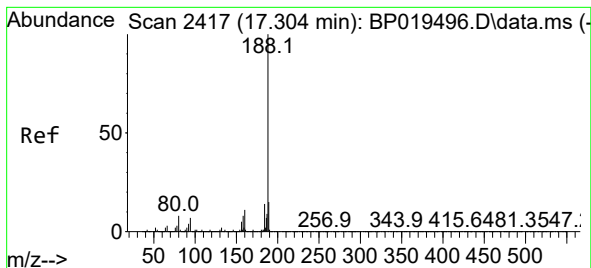
Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.4

170 22.2 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.292 min Scan# 2417

Delta R.T. -0.012 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

Instrument :

BNA_N

ClientSampleId :

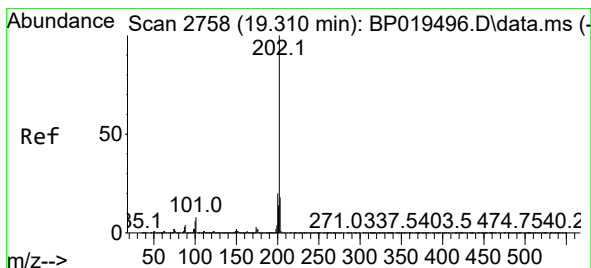
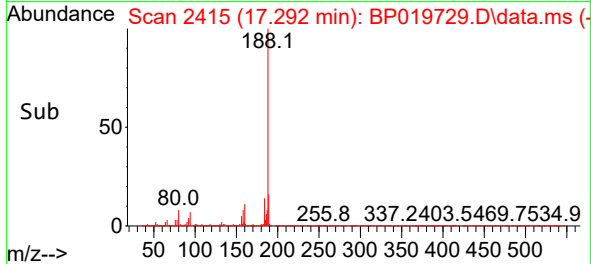
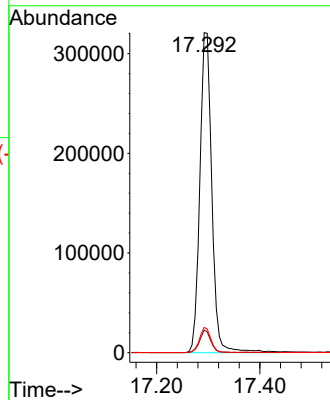
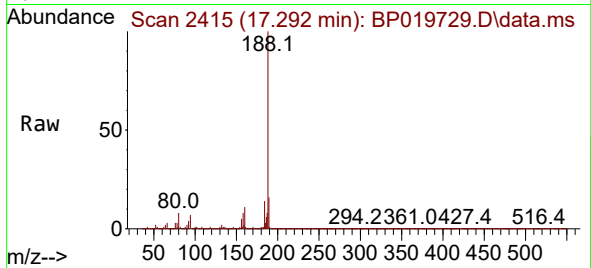
Tgt Ion:188 Resp: 516522

Ion Ratio Lower Upper

188 100

94 7.1 5.4 8.2

80 7.9 6.3 9.5



#75

Fluoranthene

Concen: 4.302 ng

RT: 19.304 min Scan# 2757

Delta R.T. -0.006 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

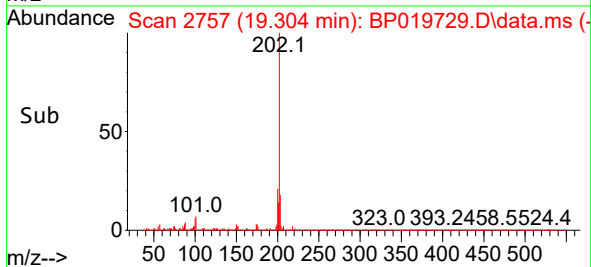
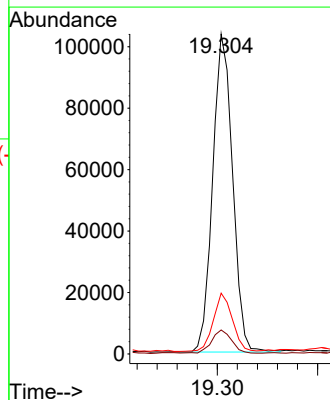
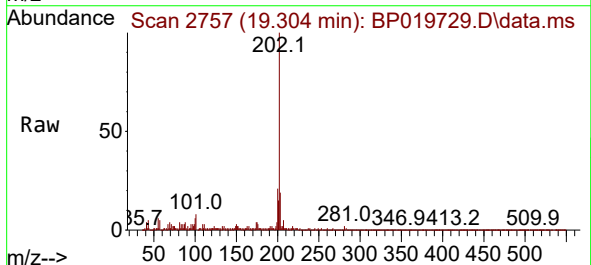
Tgt Ion:202 Resp: 142855

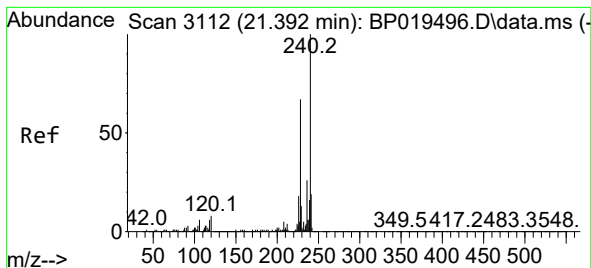
Ion Ratio Lower Upper

202 100

101 7.5 0.0 27.7

203 19.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

Instrument :

BNA_N

ClientSampleId :

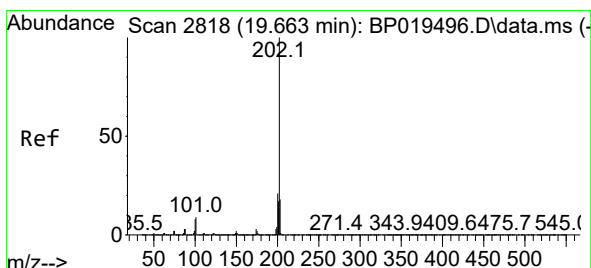
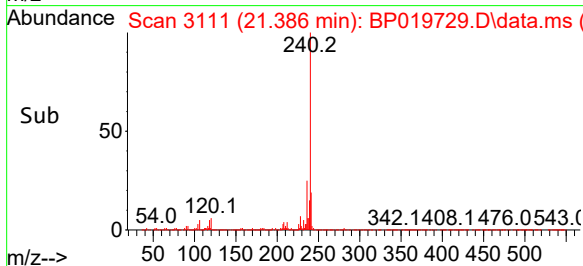
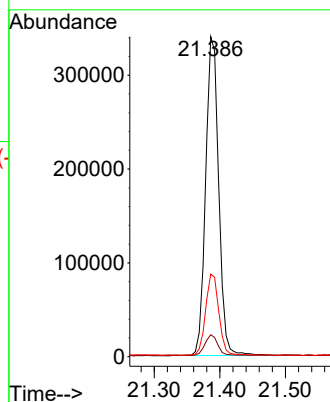
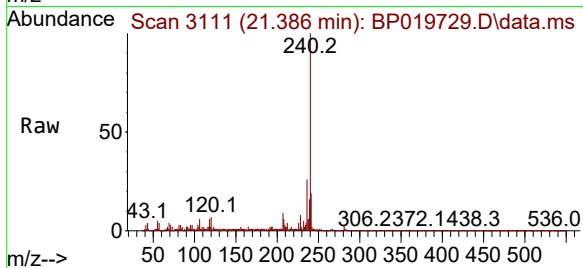
Tgt Ion:240 Resp: 472338

Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

236 25.8 20.7 31.1



#78

Pyrene

Concen: 4.430 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

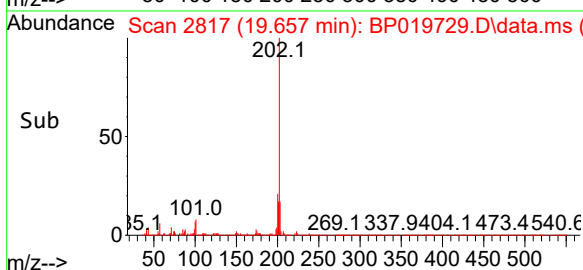
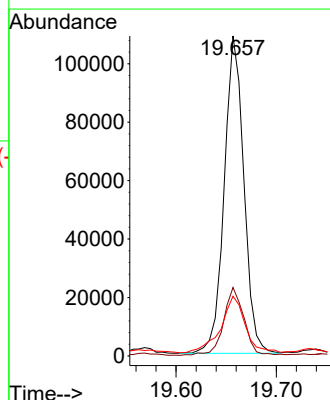
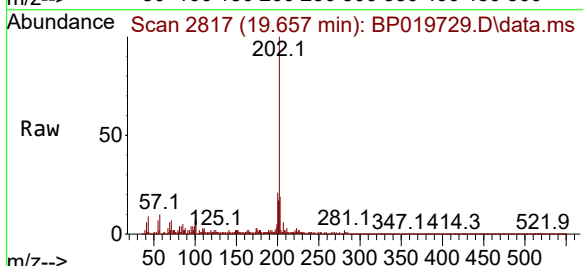
Tgt Ion:202 Resp: 147692

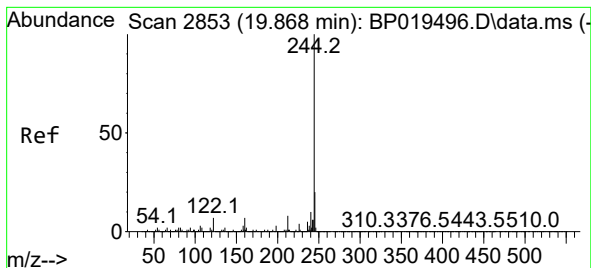
Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 18.7 14.2 21.2





#79

Terphenyl-d14

Concen: 20.542 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

Instrument :

BNA_N

ClientSampleId :

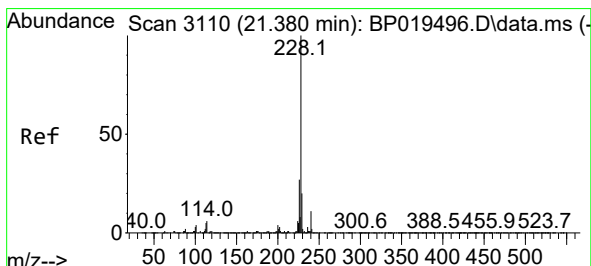
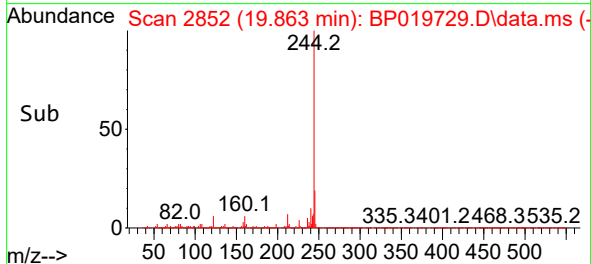
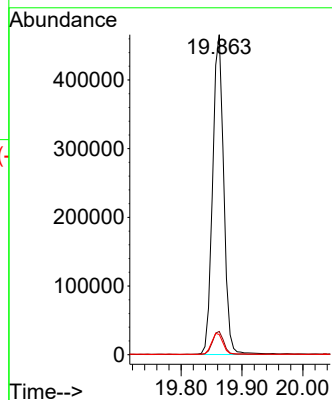
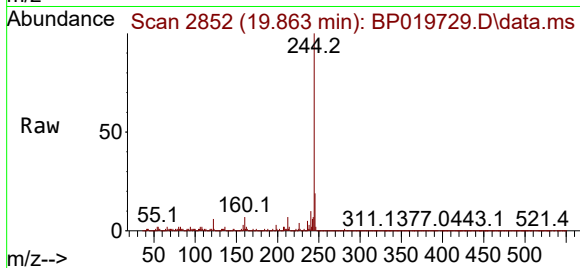
Tgt Ion:244 Resp: 589990

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 6.3 5.9 8.9



#81

Benzo(a)anthracene

Concen: 2.993 ng

RT: 21.374 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

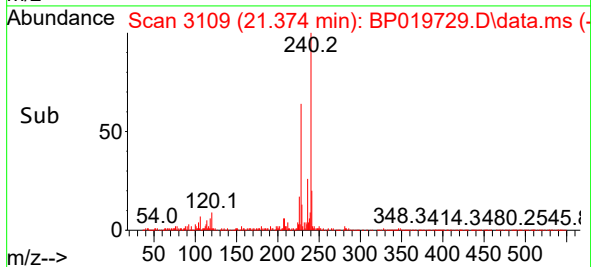
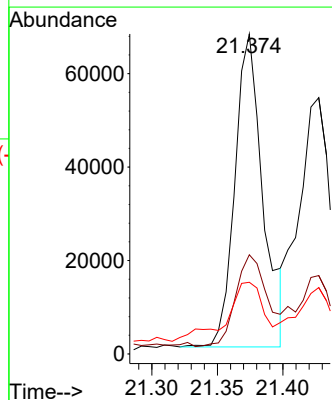
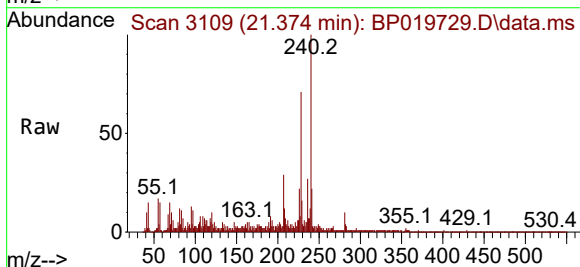
Tgt Ion:228 Resp: 99524

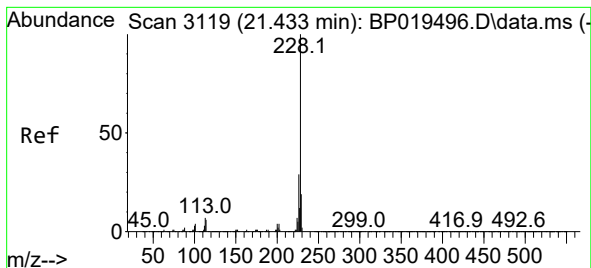
Ion Ratio Lower Upper

228 100

226 31.0 21.7 32.5

229 22.4 15.6 23.4





#83

Chrysene

Concen: 3.153 ng

RT: 21.374 min Scan# 3119

Delta R.T. -0.059 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

Instrument :

BNA_N

ClientSampleId :

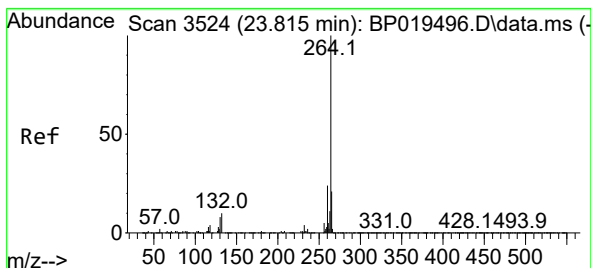
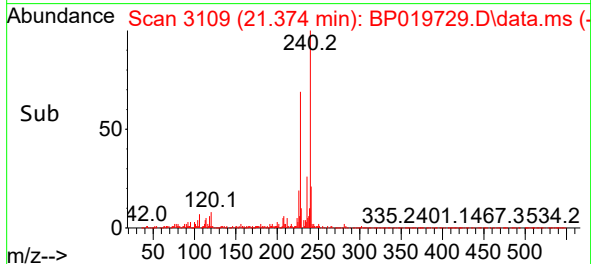
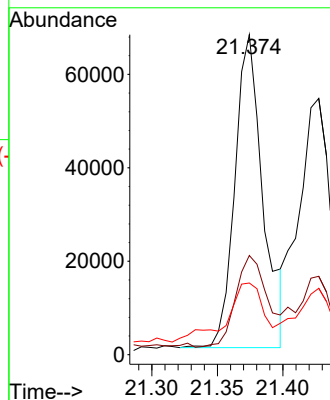
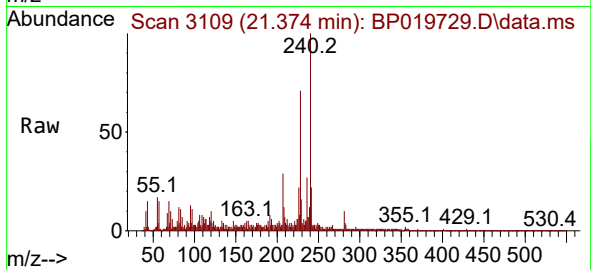
Tgt Ion:228 Resp: 99524

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.2

229 22.4 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.815 min Scan# 3524

Delta R.T. 0.000 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

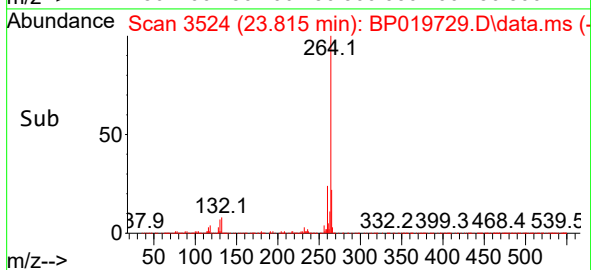
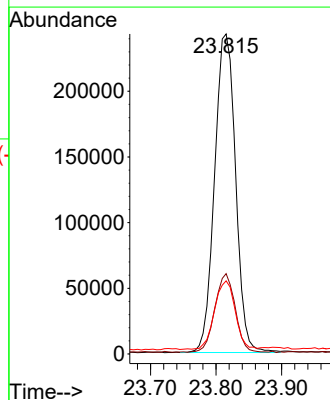
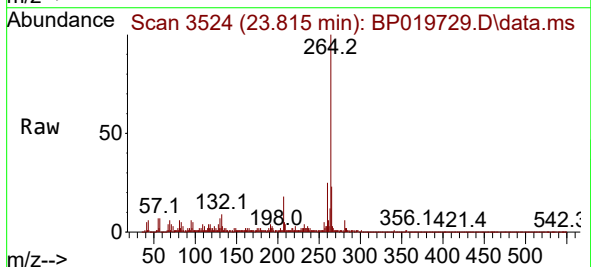
Tgt Ion:264 Resp: 539842

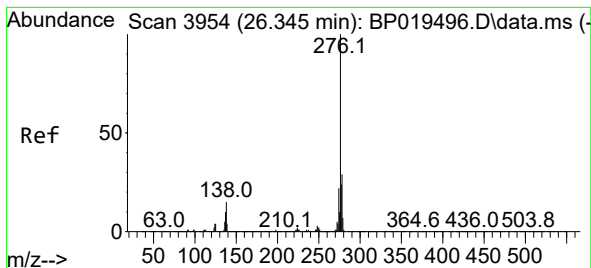
Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 22.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.198 ng

RT: 26.339 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

Instrument :

BNA_N

ClientSampleId :

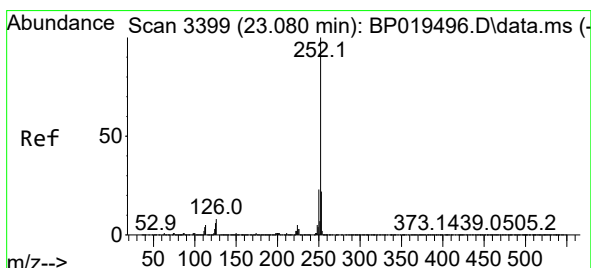
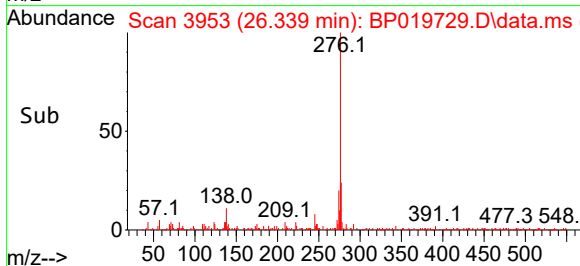
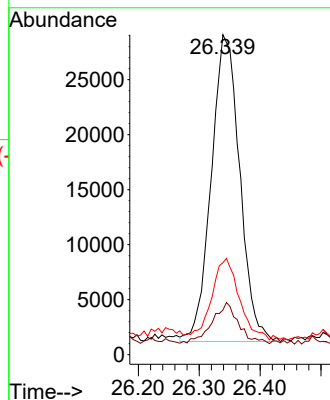
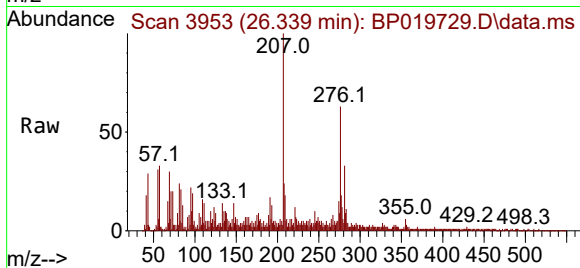
Tgt Ion:276 Resp: 90831

Ion Ratio Lower Upper

276 100

138 12.4 13.1 19.7#

277 25.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 4.344 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

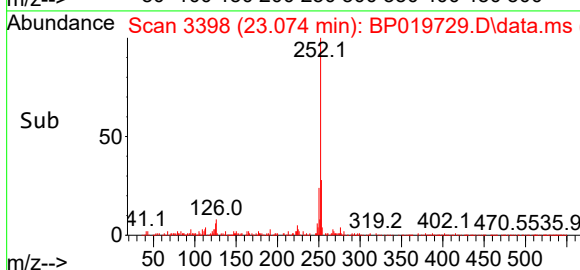
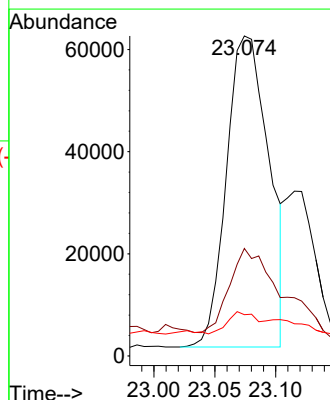
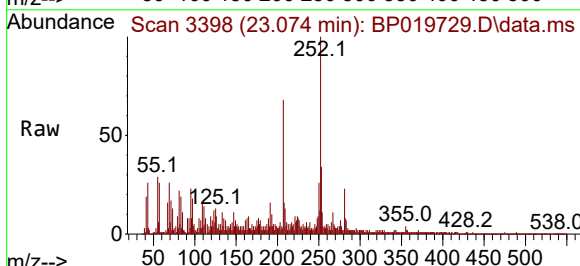
Tgt Ion:252 Resp: 147808

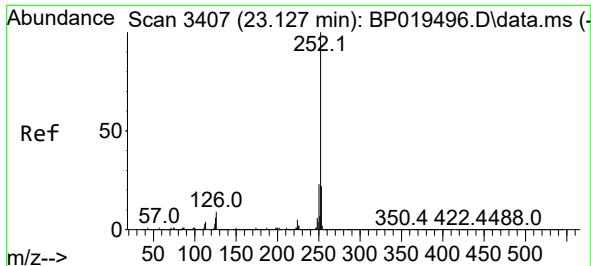
Ion Ratio Lower Upper

252 100

253 33.6 17.3 25.9#

125 12.9 4.9 7.3#

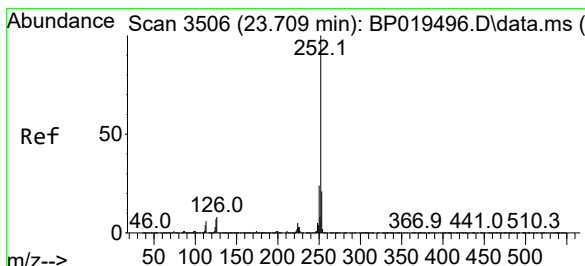
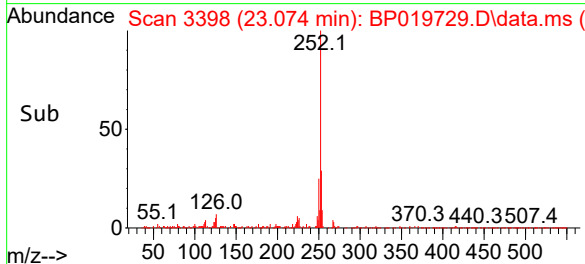
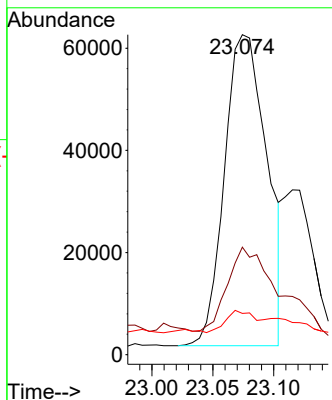
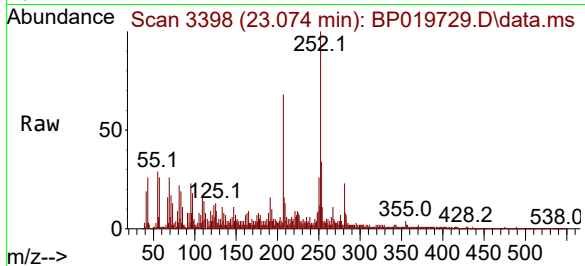




#89
Benzo(k)fluoranthene
Concen: 4.548 ng
RT: 23.074 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP019729.D
Acq: 15 Feb 2024 18:36

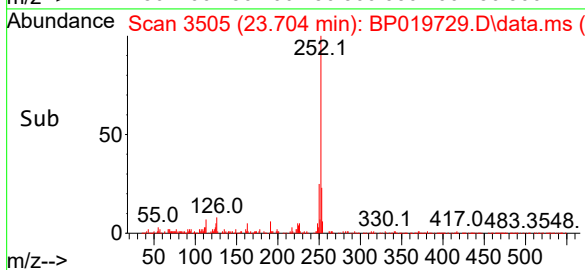
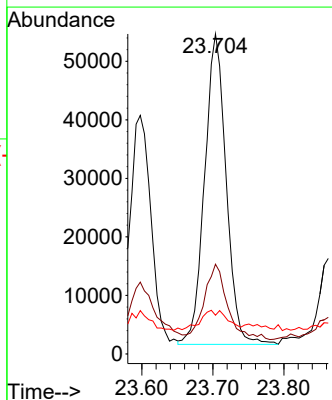
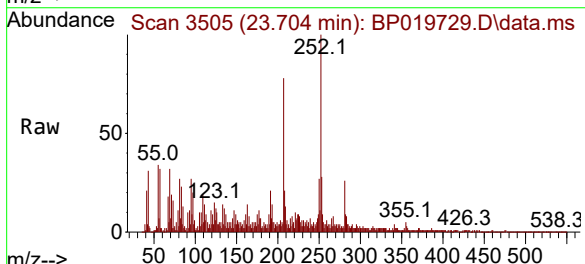
Instrument :
BNA_N
ClientSampleId :

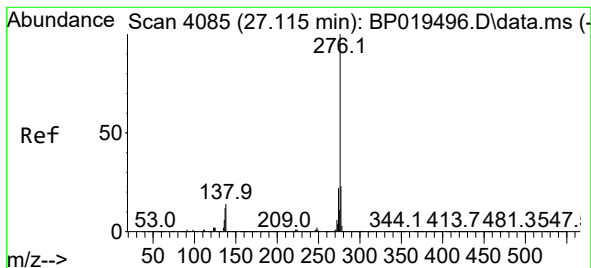
Tgt Ion:252 Resp: 147808
Ion Ratio Lower Upper
252 100
253 33.6 17.1 25.7#
125 12.9 5.0 7.6#



#90
Benzo(a)pyrene
Concen: 3.698 ng
RT: 23.704 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BP019729.D
Acq: 15 Feb 2024 18:36

Tgt Ion:252 Resp: 111961
Ion Ratio Lower Upper
252 100
253 28.0 17.1 25.7#
125 12.1 5.6 8.4#





#92

Benzo(g,h,i)perylene

Concen: 2.908 ng

RT: 27.121 min Scan# 4086

Delta R.T. 0.006 min

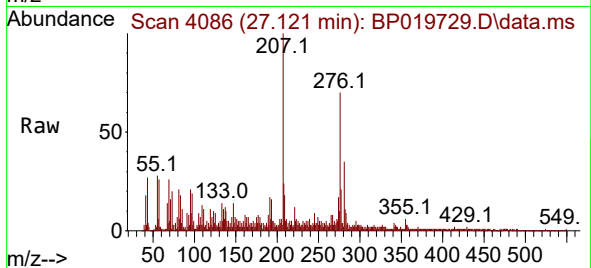
Lab File: BP019729.D

Acq: 15 Feb 2024 18:36

Instrument :

BNA_N

ClientSampleId :



Tgt Ion:276 Resp: 100261

Ion Ratio Lower Upper

276 100

277 29.9 18.6 28.0#

138 14.2 10.9 16.3

