

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021524\
 Data File : BP019728.D
 Acq On : 15 Feb 2024 18:02
 Operator : MA/JU
 Sample : P1473-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-021424

Quant Time: Feb 16 00:54:06 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)

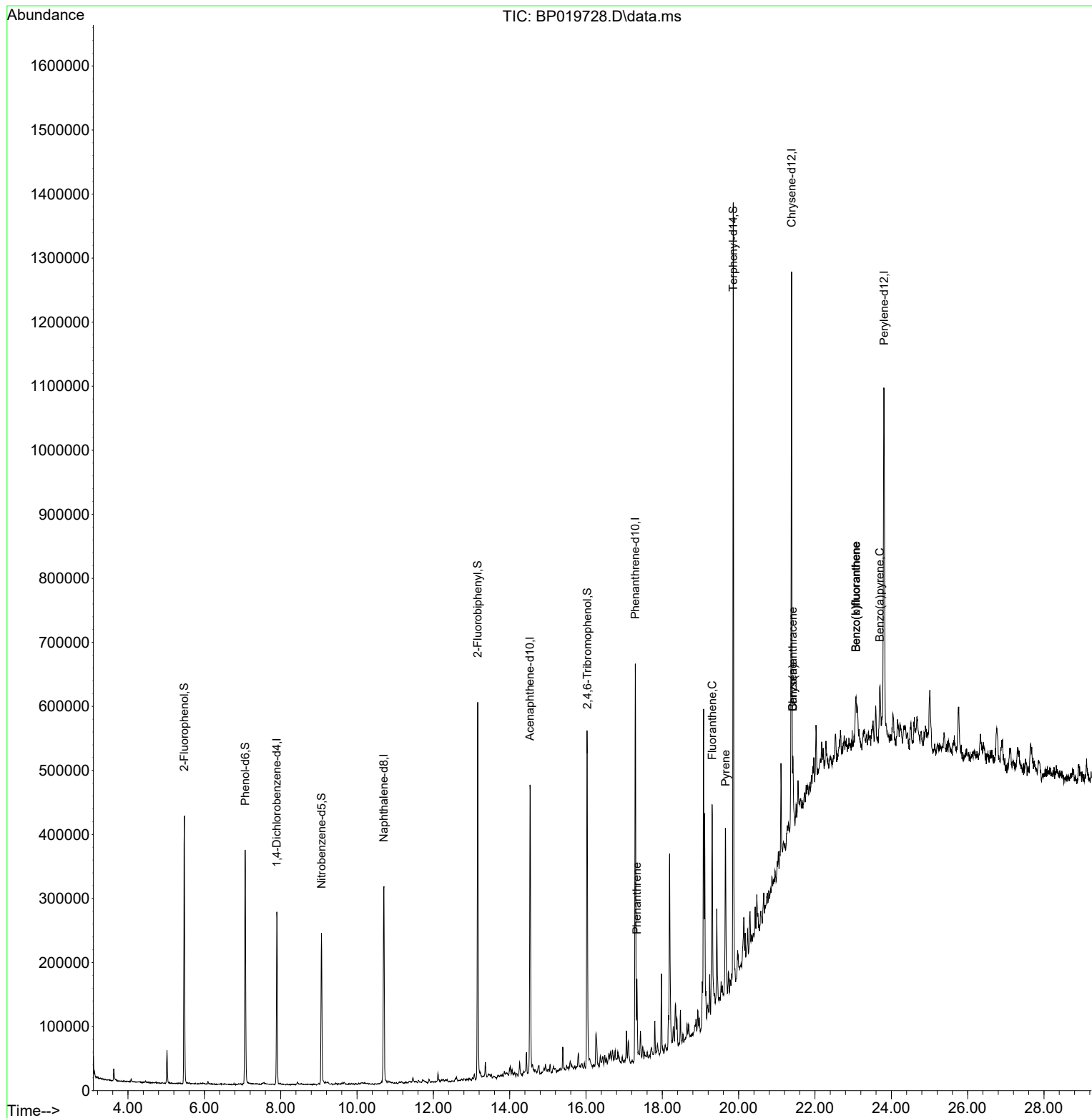
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	72729	20.000	ng	-0.02
21) Naphthalene-d8	10.705	136	262252	20.000	ng	-0.01
39) Acenaphthene-d10	14.534	164	170278	20.000	ng	-0.02
64) Phenanthrene-d10	17.292	188	411125	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	422237	20.000	ng	0.00
86) Perylene-d12	23.810	264	486347	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	171449	37.999	ng	-0.01
7) Phenol-d6	7.069	99	211733	34.803	ng	-0.02
23) Nitrobenzene-d5	9.069	82	143955	23.785	ng	-0.02
42) 2,4,6-Tribromophenol	16.034	330	115904	46.619	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	317255	23.033	ng	-0.02
79) Terphenyl-d14	19.857	244	618483	24.089	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.334	178	74187	3.429	ng	98
75) Fluoranthene	19.304	202	117920	4.461	ng	95
78) Pyrene	19.657	202	151321	5.078	ng	99
81) Benzo(a)anthracene	21.422	228	72516	2.440	ng	92
83) Chrysene	21.422	228	72516	2.570	ng	95
88) Benzo(b)fluoranthene	23.074	252	66513	2.170	ng	# 75
89) Benzo(k)fluoranthene	23.074	252	66513	2.272	ng	# 75
90) Benzo(a)pyrene	23.698	252	63545	2.330	ng	# 85

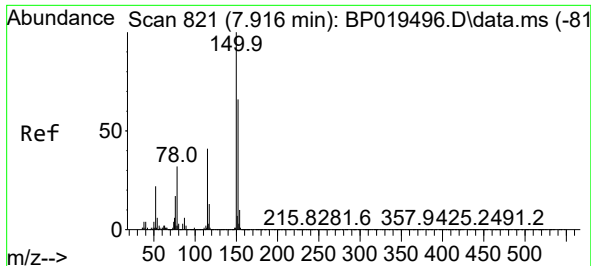
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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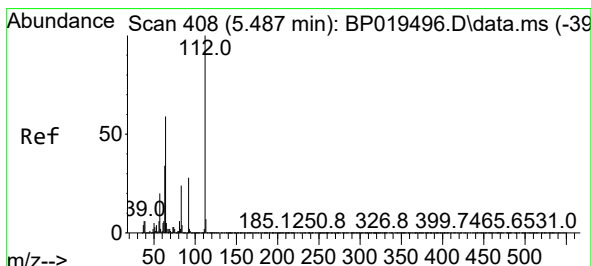
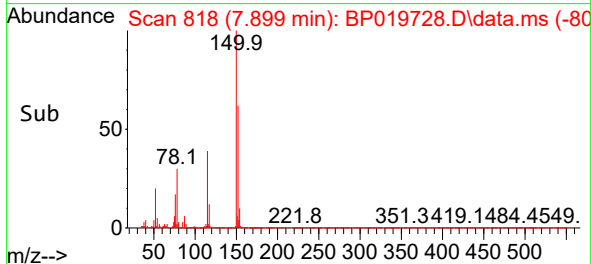
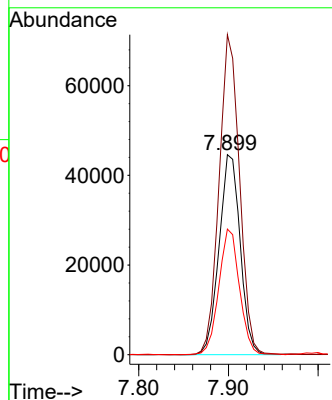
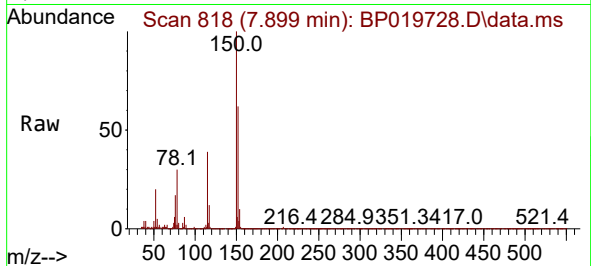




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP019728.D
Acq: 15 Feb 2024 18:02

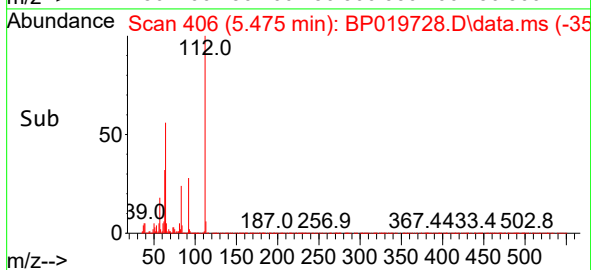
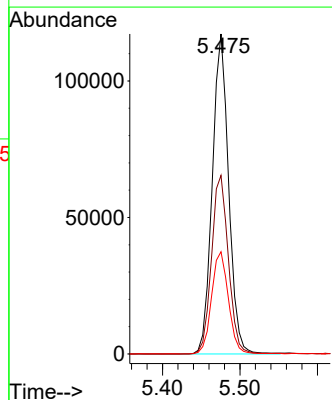
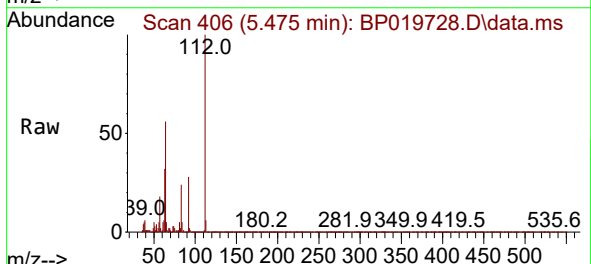
Instrument :
BNA_P
ClientSampleId :
SU-03-021424

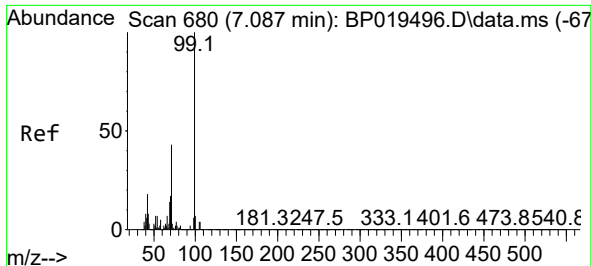
Tgt Ion:152 Resp: 72729
Ion Ratio Lower Upper
152 100
150 160.1 121.8 182.8
115 62.8 49.9 74.9



#5
2-Fluorophenol
Concen: 37.999 ng
RT: 5.475 min Scan# 406
Delta R.T. -0.011 min
Lab File: BP019728.D
Acq: 15 Feb 2024 18:02

Tgt Ion:112 Resp: 171449
Ion Ratio Lower Upper
112 100
64 55.8 47.4 71.0
63 32.0 27.0 40.6

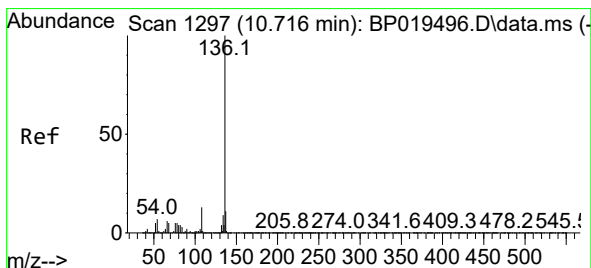
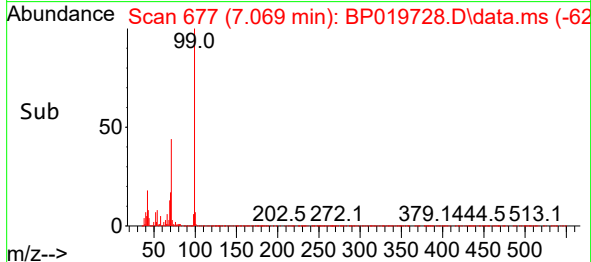
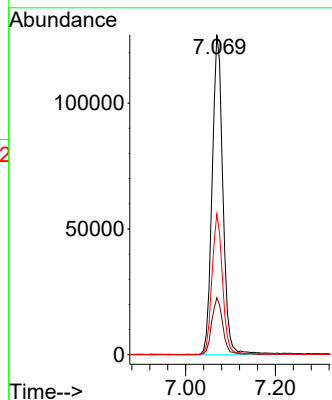
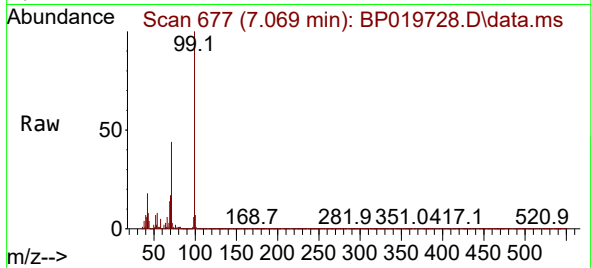




#7
Phenol-d6
Concen: 34.803 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.017 min
Lab File: BP019728.D
Acq: 15 Feb 2024 18:02

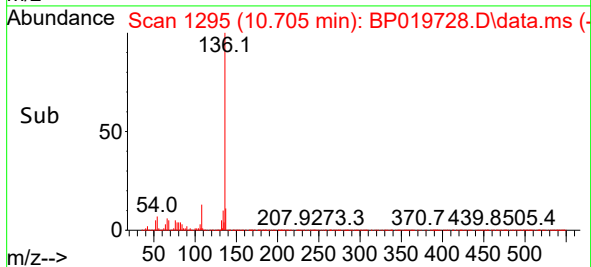
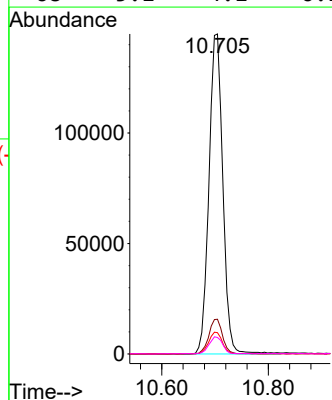
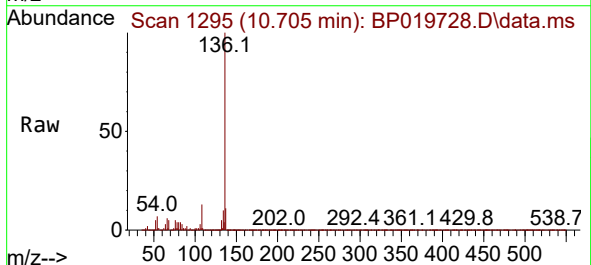
Instrument :
BNA_P
ClientSampleId :
SU-03-021424

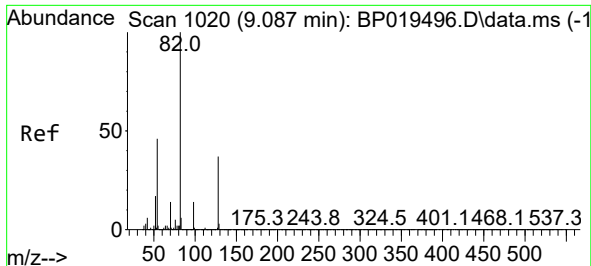
Tgt Ion: 99 Resp: 211733
Ion Ratio Lower Upper
99 100
42 17.8 14.7 22.1
71 44.0 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019728.D
Acq: 15 Feb 2024 18:02

Tgt Ion: 136 Resp: 262252
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.6 5.3 7.9
68 5.1 4.1 6.1

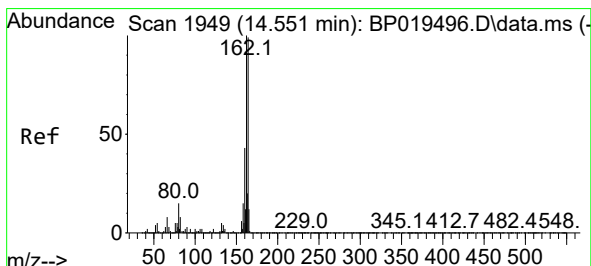
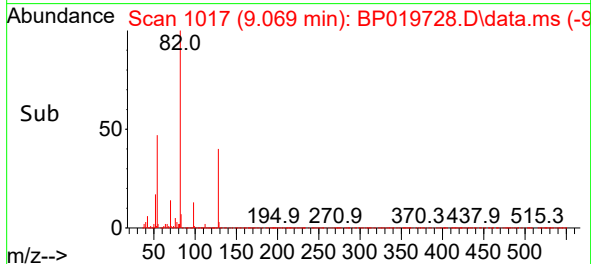
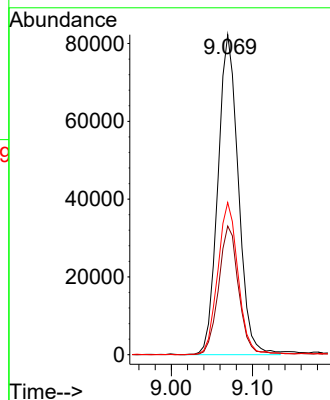
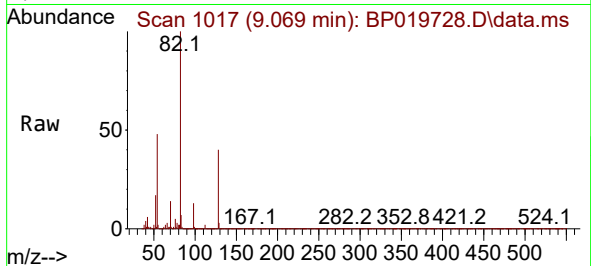




#23
Nitrobenzene-d5
Concen: 23.785 ng
RT: 9.069 min Scan# 1020
Delta R.T. -0.017 min
Lab File: BP019728.D
Acq: 15 Feb 2024 18:02

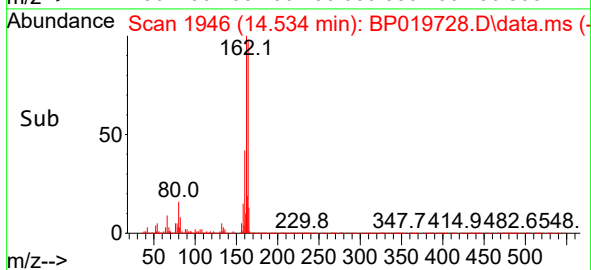
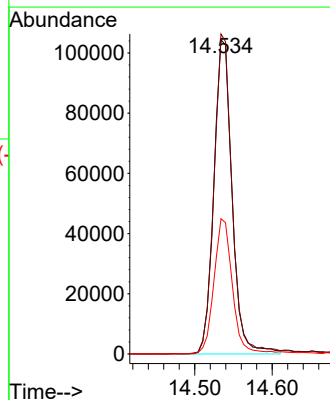
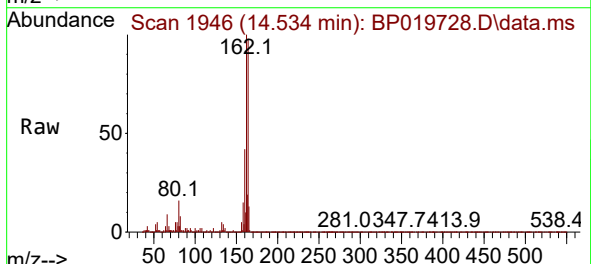
Instrument :
BNA_P
ClientSampleId :
SU-03-021424

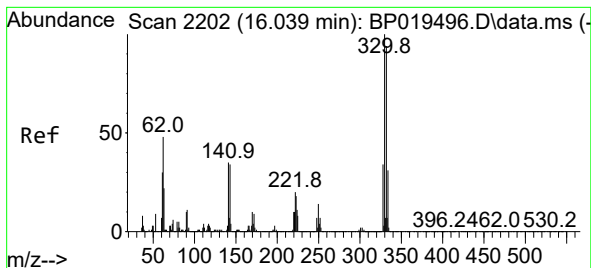
Tgt Ion: 82 Resp: 143955
Ion Ratio Lower Upper
82 100
128 40.2 29.7 44.5
54 47.6 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.017 min
Lab File: BP019728.D
Acq: 15 Feb 2024 18:02

Tgt Ion: 164 Resp: 170278
Ion Ratio Lower Upper
164 100
162 101.8 81.2 121.8
160 43.0 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 46.619 ng

RT: 16.034 min Scan# 21

Delta R.T. -0.005 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

SU-03-021424

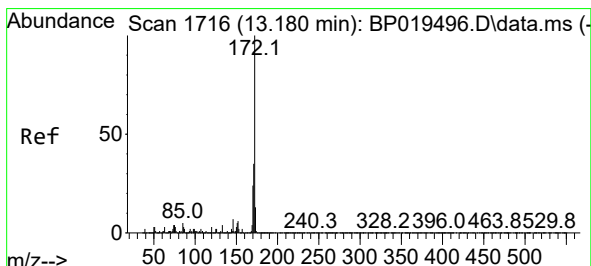
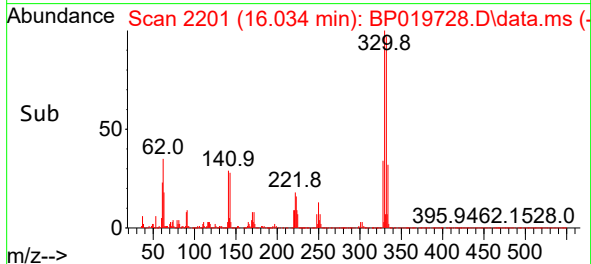
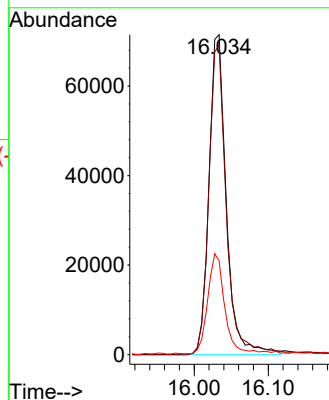
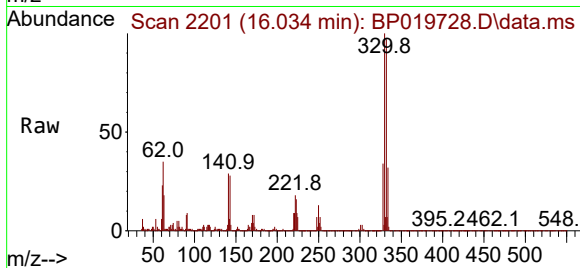
Tgt Ion:330 Resp: 115904

Ion Ratio Lower Upper

330 100

332 98.3 77.2 115.8

141 31.0 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 23.033 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.017 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

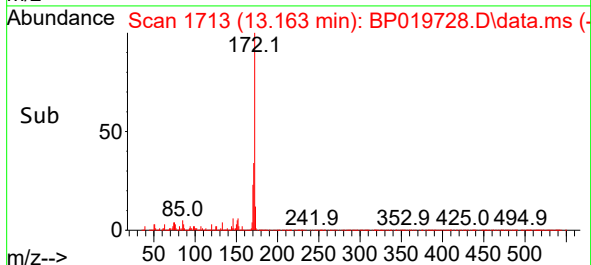
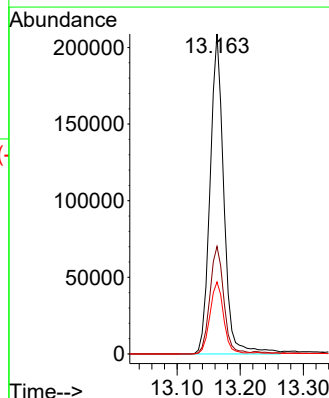
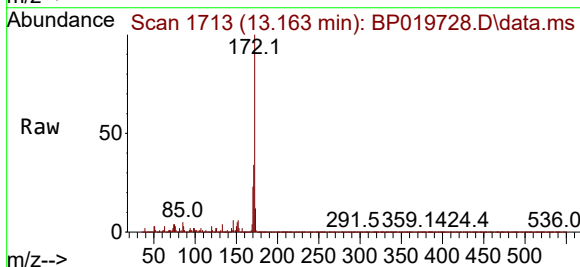
Tgt Ion:172 Resp: 317255

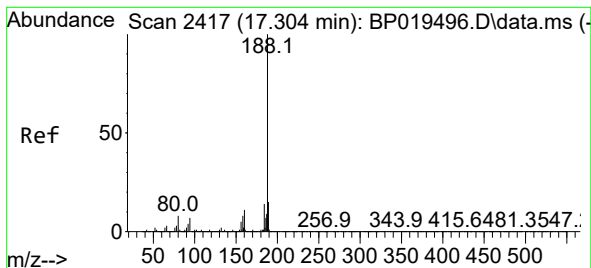
Ion Ratio Lower Upper

172 100

171 33.6 28.2 42.4

170 22.5 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.292 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

SU-03-021424

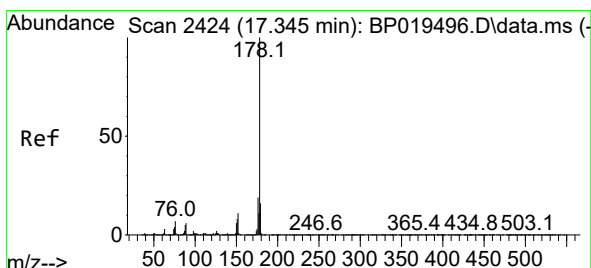
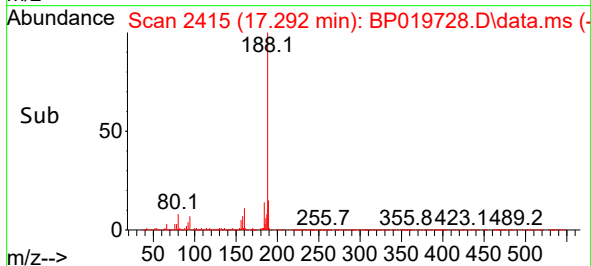
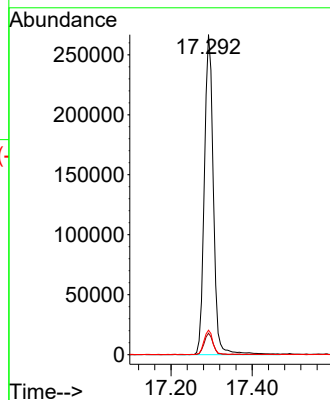
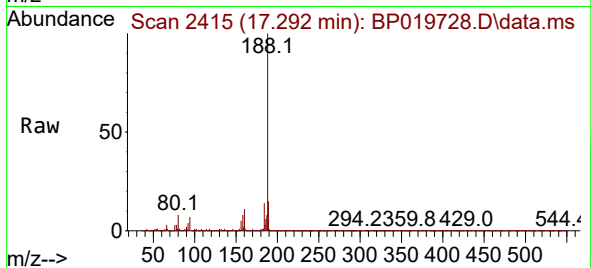
Tgt Ion:188 Resp: 411125

Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.2

80 7.7 6.3 9.5



#71

Phenanthrene

Concen: 3.429 ng

RT: 17.334 min Scan# 2422

Delta R.T. -0.011 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

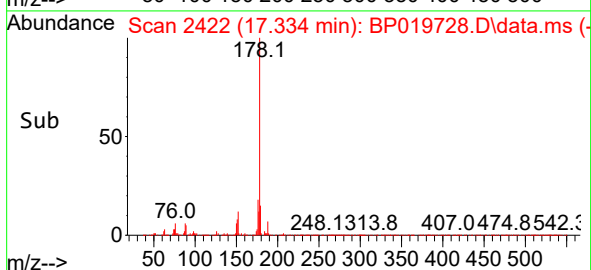
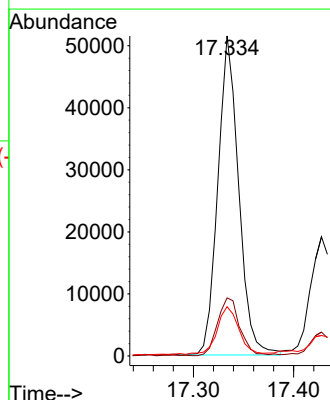
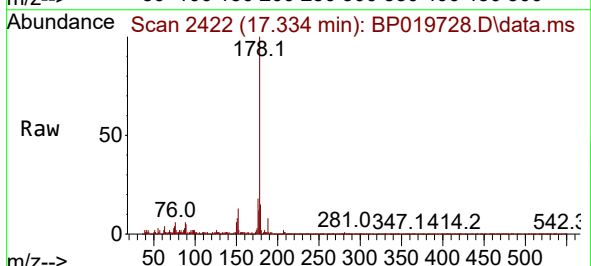
Tgt Ion:178 Resp: 74187

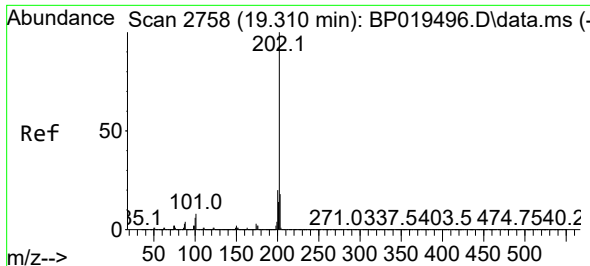
Ion Ratio Lower Upper

178 100

176 18.2 15.5 23.3

179 15.4 12.6 19.0

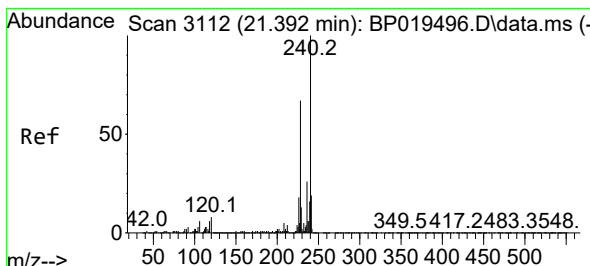
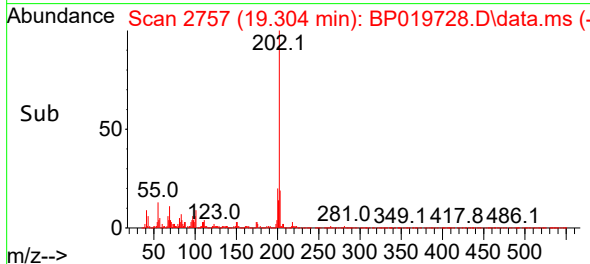
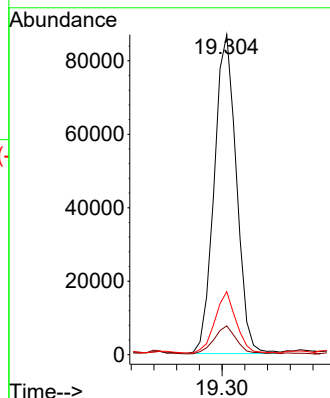
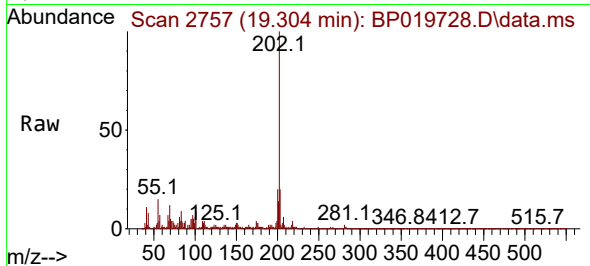




#75
Fluoranthene
Concen: 4.461 ng
RT: 19.304 min Scan# 21
Delta R.T. -0.005 min
Lab File: BP019728.D
Acq: 15 Feb 2024 18:02

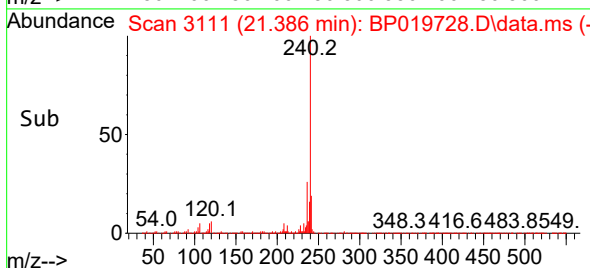
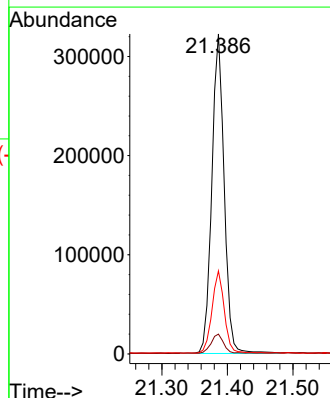
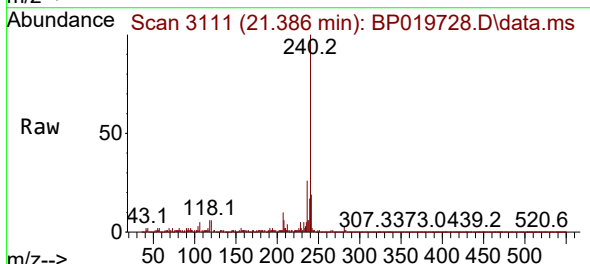
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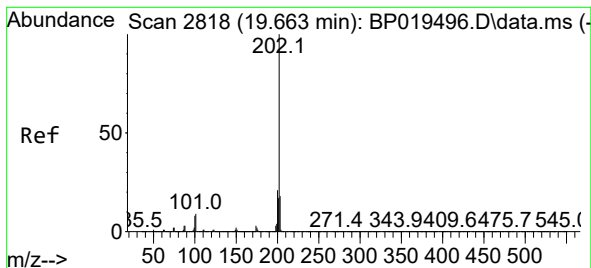
Tgt Ion:202 Resp: 117920
Ion Ratio Lower Upper
202 100
101 9.0 0.0 27.7
203 19.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.005 min
Lab File: BP019728.D
Acq: 15 Feb 2024 18:02

Tgt Ion:240 Resp: 422237
Ion Ratio Lower Upper
240 100
120 6.2 6.1 9.1
236 25.9 20.7 31.1





#78

Pyrene

Concen: 5.078 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

SU-03-021424

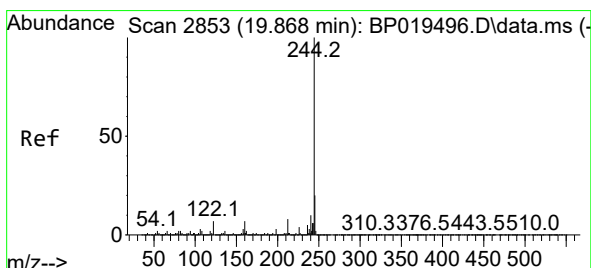
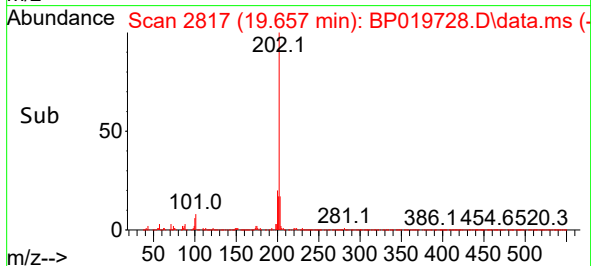
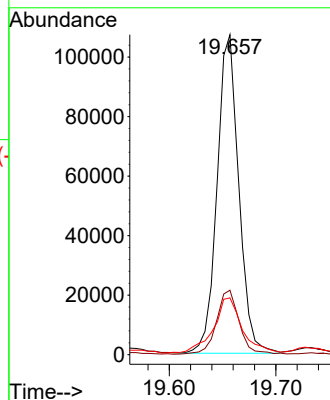
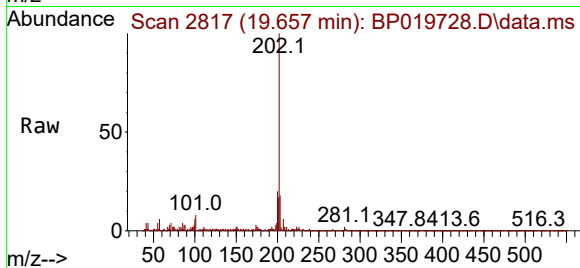
Tgt Ion:202 Resp: 151321

Ion Ratio Lower Upper

202 100

200 20.2 16.9 25.3

203 17.8 14.2 21.2



#79

Terphenyl-d14

Concen: 24.089 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.011 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

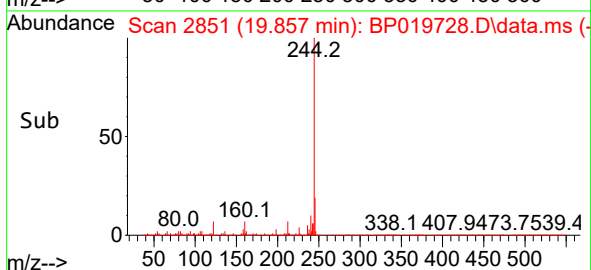
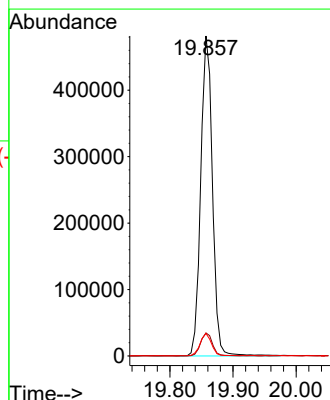
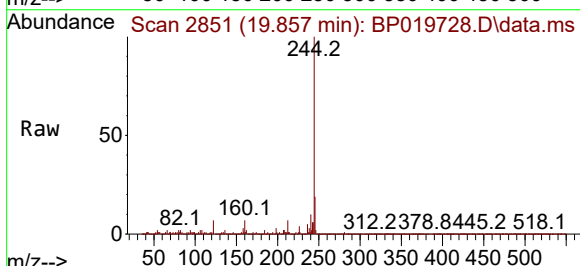
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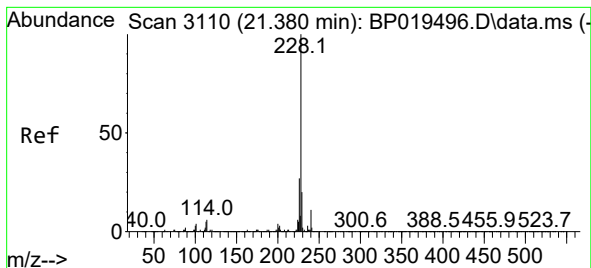
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 7.0 5.9 8.9





#81

Benzo(a)anthracene

Concen: 2.440 ng

RT: 21.422 min Scan# 3117

Delta R.T. 0.042 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

SU-03-021424

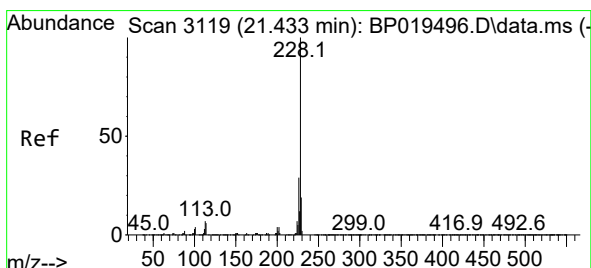
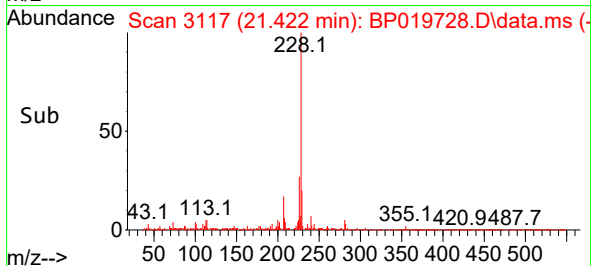
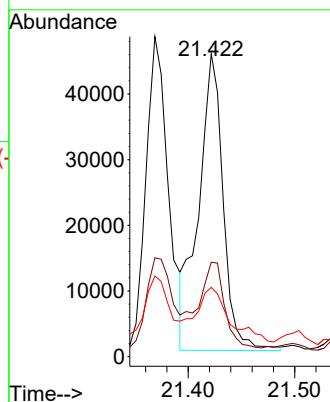
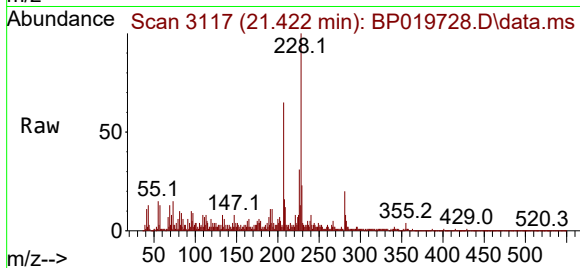
Tgt Ion:228 Resp: 72516

Ion Ratio Lower Upper

228 100

226 31.2 21.7 32.5

229 22.9 15.6 23.4



#83

Chrysene

Concen: 2.570 ng

RT: 21.422 min Scan# 3117

Delta R.T. -0.011 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

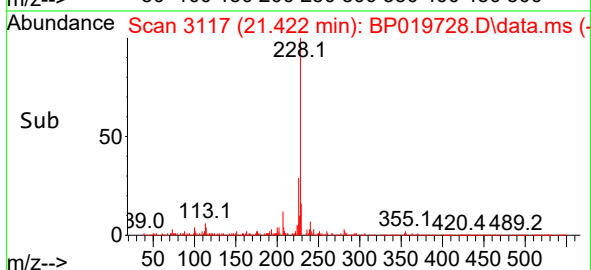
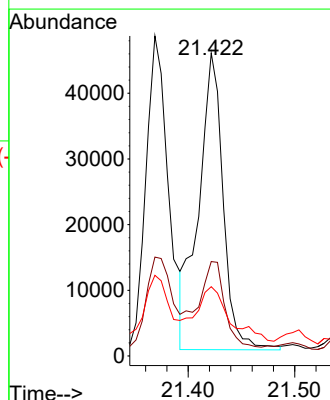
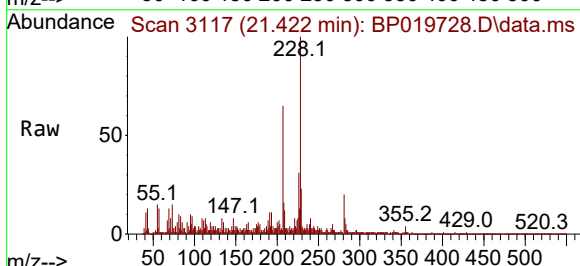
Tgt Ion:228 Resp: 72516

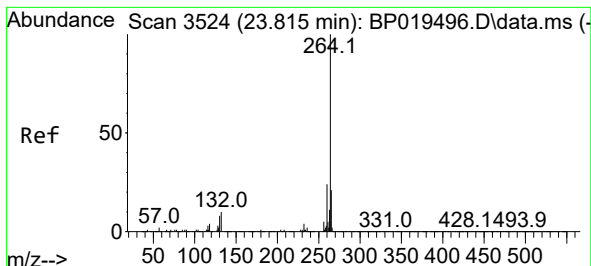
Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.2

229 22.9 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3

Delta R.T. -0.005 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

SU-03-021424

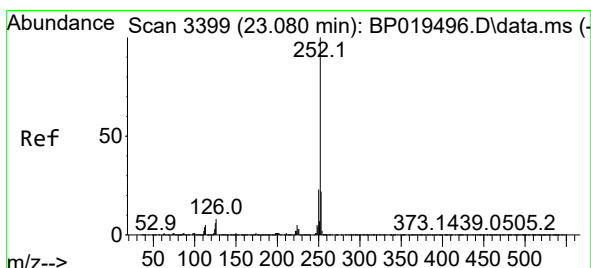
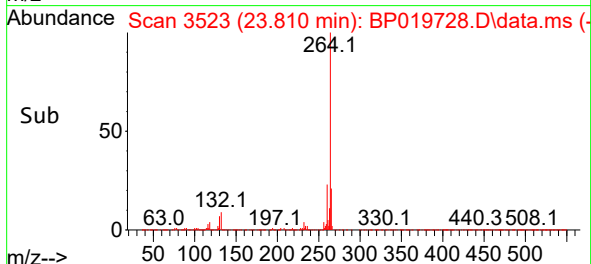
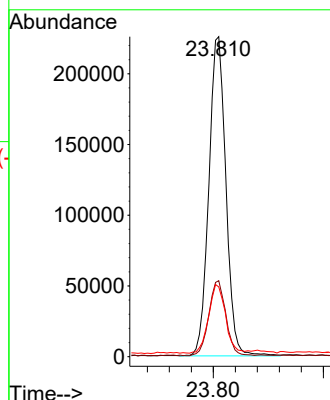
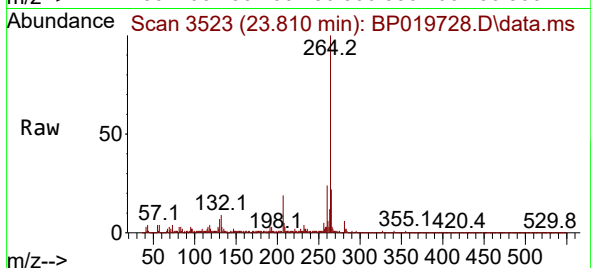
Tgt Ion:264 Resp: 486347

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.8 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.170 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

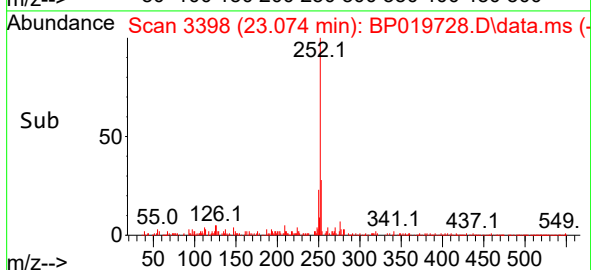
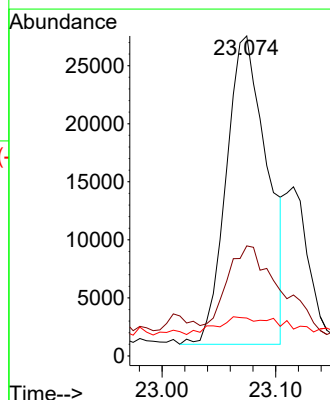
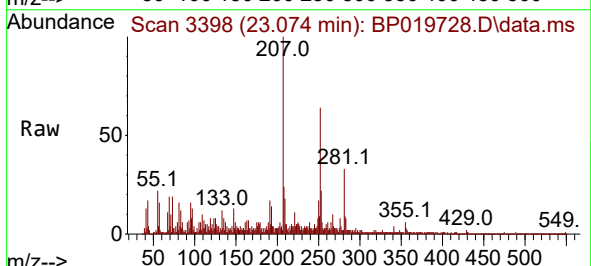
Tgt Ion:252 Resp: 66513

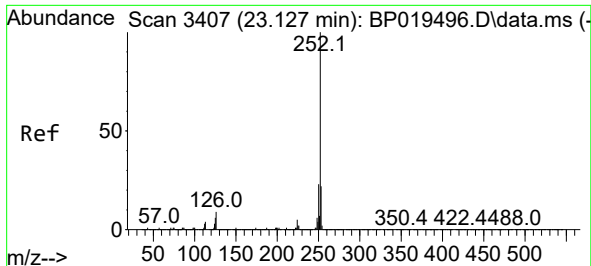
Ion Ratio Lower Upper

252 100

253 34.4 17.3 25.9#

125 11.8 4.9 7.3#





#89

Benzo(k)fluoranthene

Concen: 2.272 ng

RT: 23.074 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

SU-03-021424

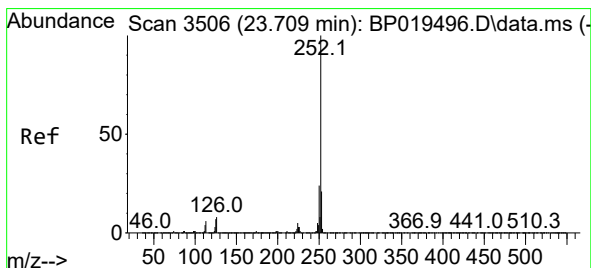
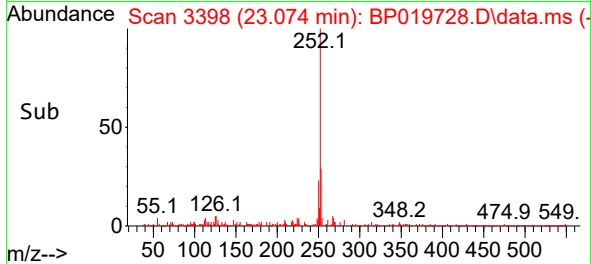
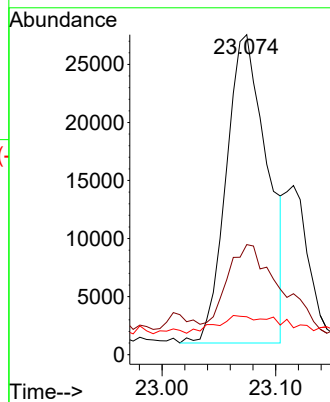
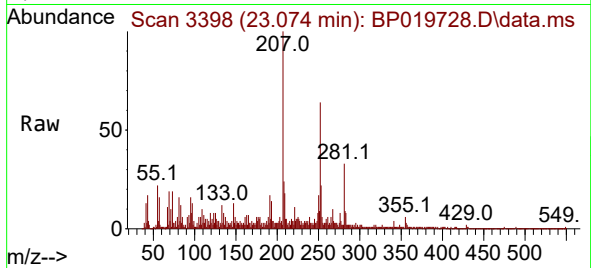
Tgt Ion:252 Resp: 66513

Ion Ratio Lower Upper

252 100

253 34.4 17.1 25.7#

125 11.8 5.0 7.6#



#90

Benzo(a)pyrene

Concen: 2.330 ng

RT: 23.698 min Scan# 3504

Delta R.T. -0.011 min

Lab File: BP019728.D

Acq: 15 Feb 2024 18:02

Tgt Ion:252 Resp: 63545

Ion Ratio Lower Upper

252 100

253 27.8 17.1 25.7#

125 13.6 5.6 8.4#

