

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021624\
 Data File : BP019756.D
 Acq On : 16 Feb 2024 21:29
 Operator : MA/JU
 Sample : P1472-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-021424

Quant Time: Feb 19 00:29:13 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)

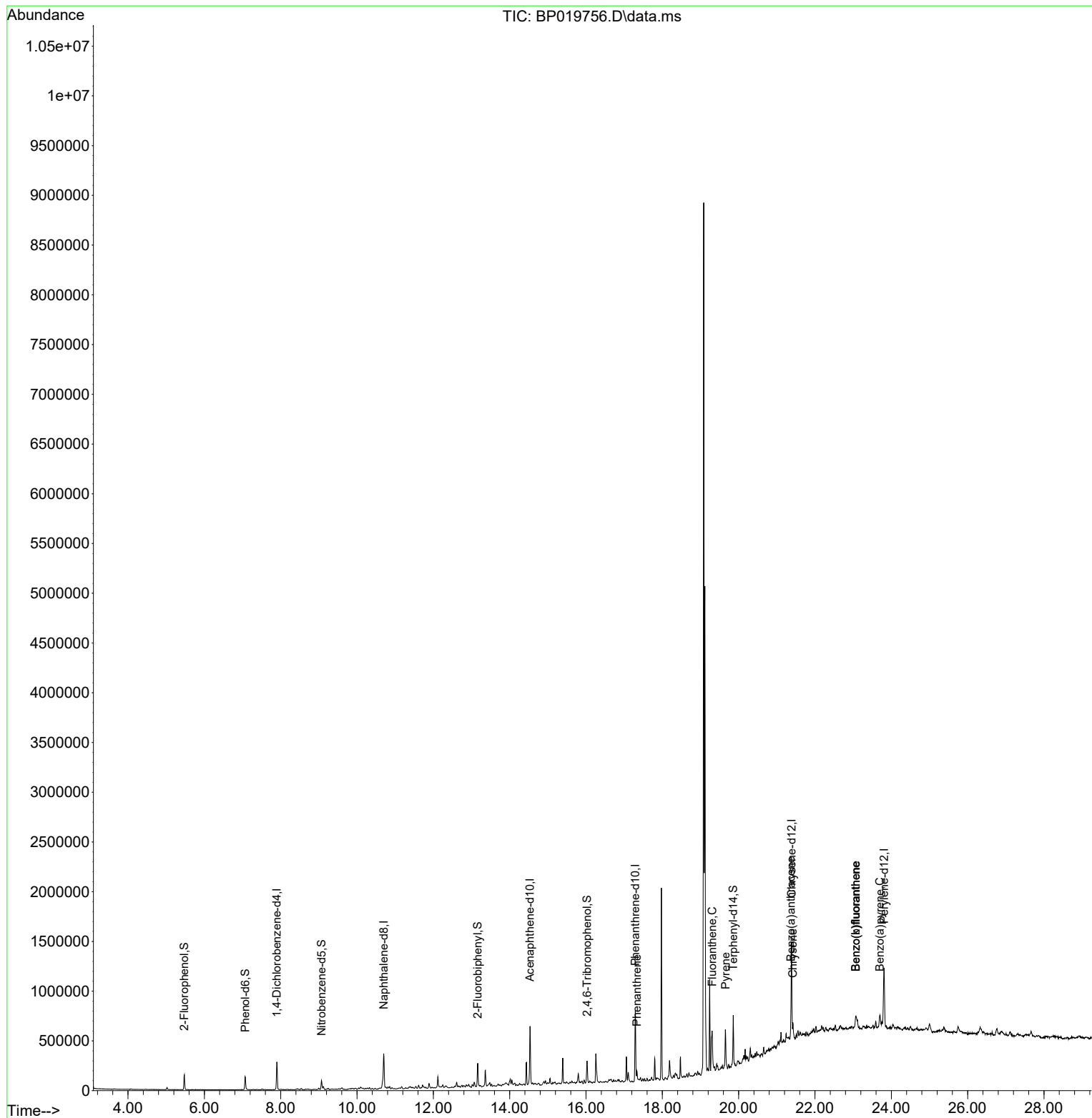
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	77113	20.000	ng	-0.02
21) Naphthalene-d8	10.698	136	286307	20.000	ng	-0.02
39) Acenaphthene-d10	14.534	164	199235	20.000	ng	-0.02
64) Phenanthrene-d10	17.292	188	456189	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	455138	20.000	ng	# 0.00
86) Perylene-d12	23.810	264	519989	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	62090	12.979	ng	-0.01
7) Phenol-d6	7.069	99	76353	11.837	ng	-0.02
23) Nitrobenzene-d5	9.069	82	53378	8.079	ng	-0.02
42) 2,4,6-Tribromophenol	16.028	330	46882	16.116	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	132731	8.236	ng	-0.02
79) Terphenyl-d14	19.857	244	252601	9.127	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.333	178	60478	2.519	ng	97
75) Fluoranthene	19.304	202	155554	5.304	ng	98
78) Pyrene	19.657	202	175372	5.460	ng	98
81) Benzo(a)anthracene	21.368	228	104103	3.249	ng	# 93
83) Chrysene	21.421	228	99041	3.256	ng	# 91
88) Benzo(b)fluoranthene	23.068	252	113887	3.475	ng	# 81
89) Benzo(k)fluoranthene	23.068	252	113887	3.638	ng	# 81
90) Benzo(a)pyrene	23.698	252	93027	3.190	ng	# 86

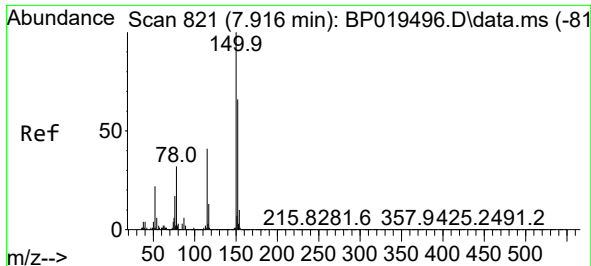
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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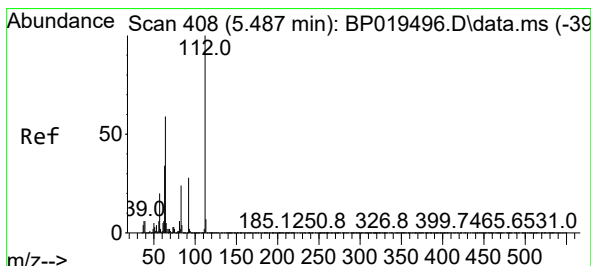
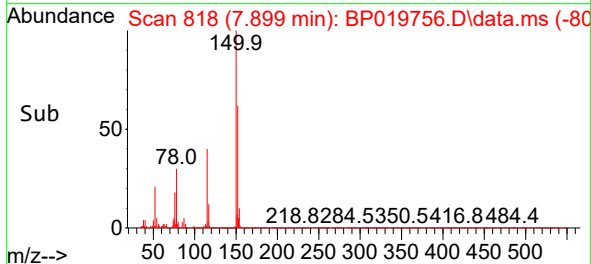
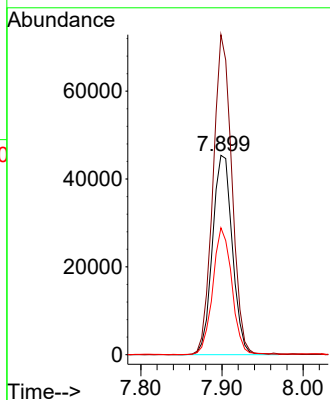
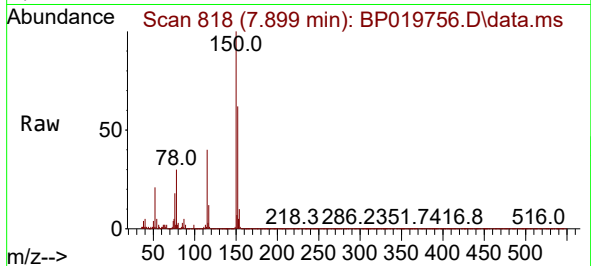




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP019756.D
Acq: 16 Feb 2024 21:29

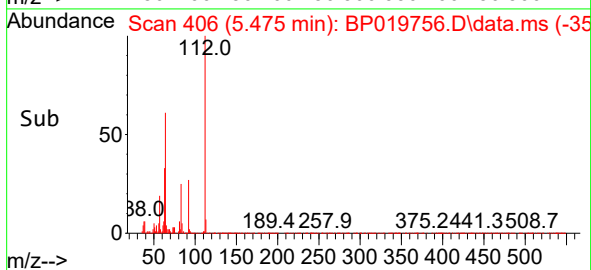
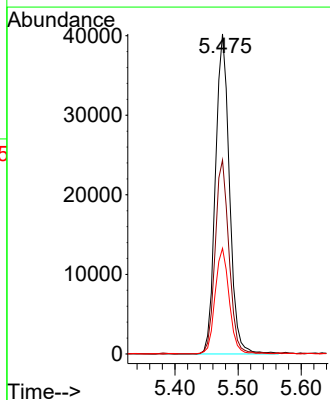
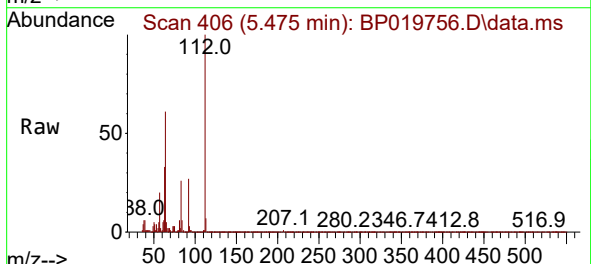
Instrument :
BNA_P
ClientSampleId :
TR-04-021424

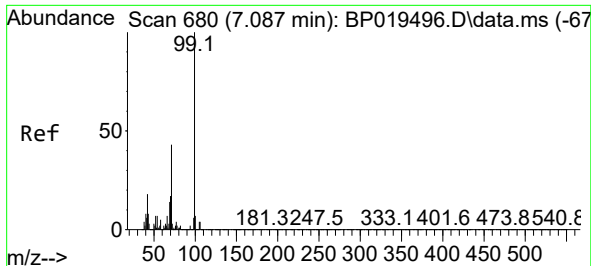
Tgt Ion:152 Resp: 77113
Ion Ratio Lower Upper
152 100
150 160.6 121.8 182.8
115 63.6 49.9 74.9



#5
2-Fluorophenol
Concen: 12.979 ng
RT: 5.475 min Scan# 406
Delta R.T. -0.012 min
Lab File: BP019756.D
Acq: 16 Feb 2024 21:29

Tgt Ion:112 Resp: 62090
Ion Ratio Lower Upper
112 100
64 60.6 47.4 71.0
63 33.0 27.0 40.6

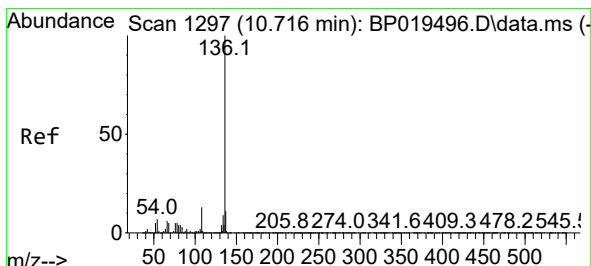
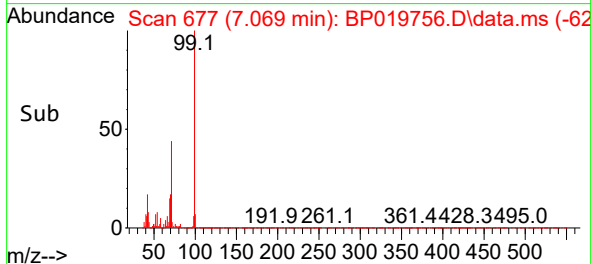
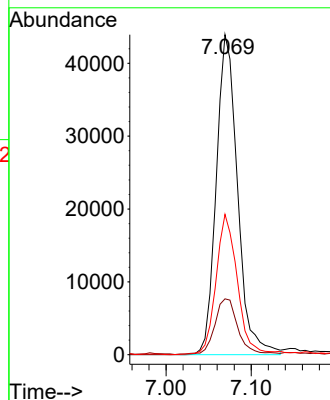
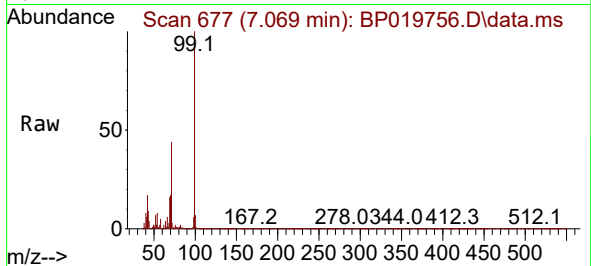




#7
Phenol-d6
Concen: 11.837 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.017 min
Lab File: BP019756.D
Acq: 16 Feb 2024 21:29

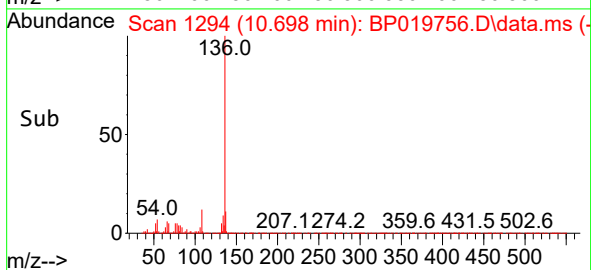
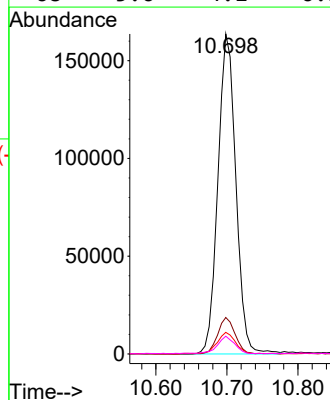
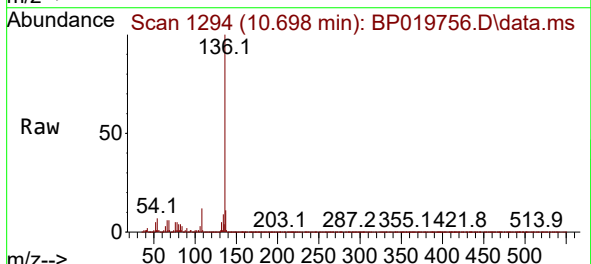
Instrument :
BNA_P
ClientSampleId :
TR-04-021424

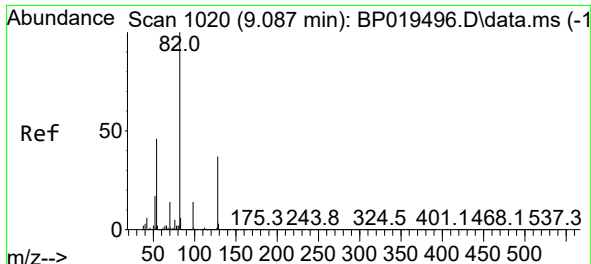
Tgt Ion: 99	Resp: 76353
Ion Ratio	Lower Upper
99 100	
42 17.4	14.7 22.1
71 43.8	34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.017 min
Lab File: BP019756.D
Acq: 16 Feb 2024 21:29

Tgt	Ion:136	Resp:	286307
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	6.7	5.3	7.9
68	5.6	4.1	6.1





#23

Nitrobenzene-d5

Concen: 8.079 ng

RT: 9.069 min Scan# 1020

Delta R.T. -0.017 min

Lab File: BP019756.D

Acq: 16 Feb 2024 21:29

Instrument :

BNA_P

ClientSampleId :

TR-04-021424

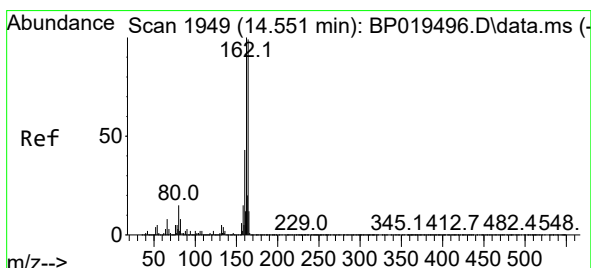
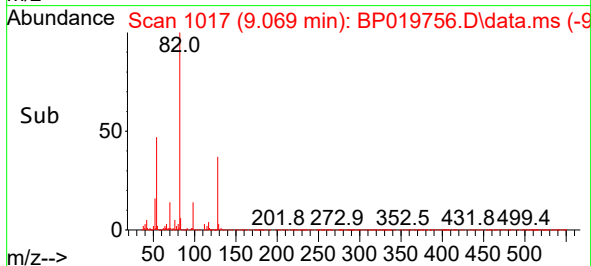
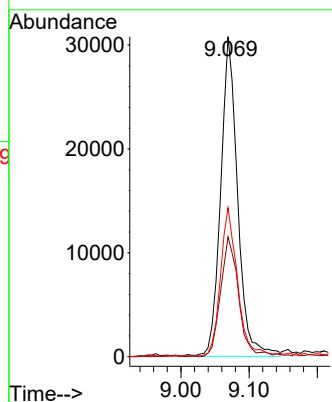
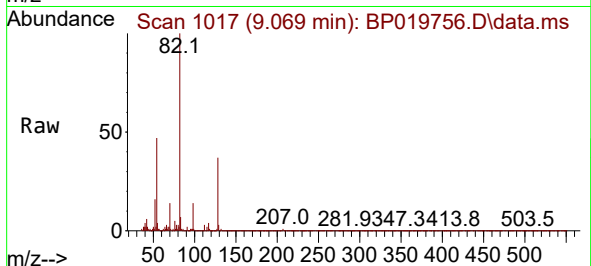
Tgt Ion: 82 Resp: 53378

Ion Ratio Lower Upper

82 100

128 37.4 29.7 44.5

54 46.6 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: BP019756.D

Acq: 16 Feb 2024 21:29

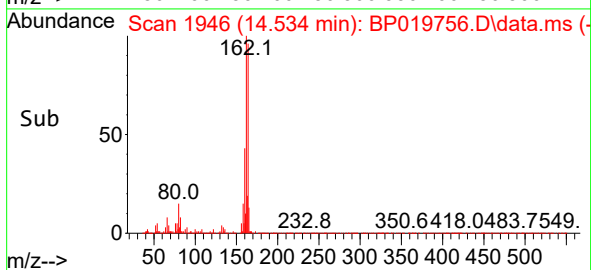
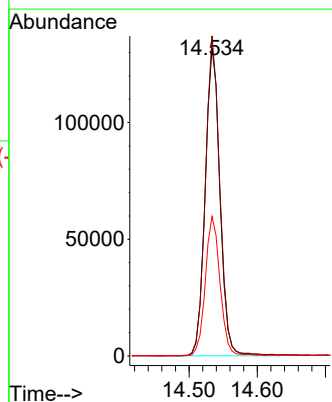
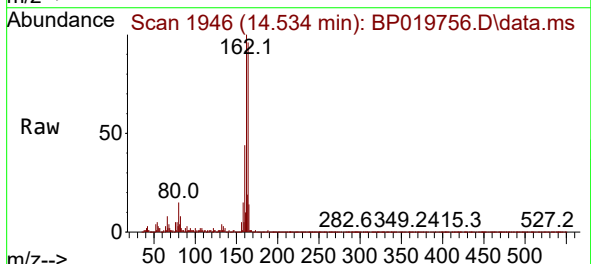
Tgt Ion: 164 Resp: 199235

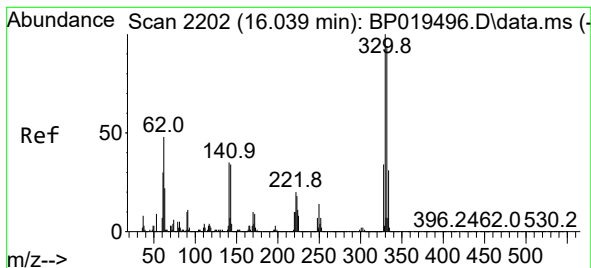
Ion Ratio Lower Upper

164 100

162 103.8 81.2 121.8

160 45.3 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 16.116 ng

RT: 16.028 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019756.D

Acq: 16 Feb 2024 21:29

Instrument :

BNA_P

ClientSampleId :

TR-04-021424

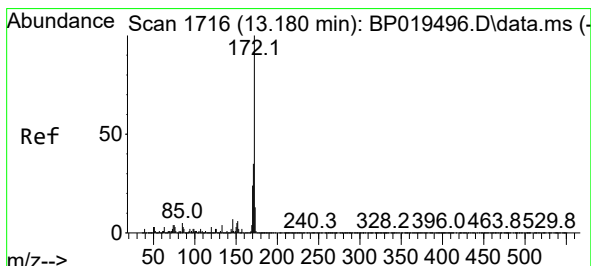
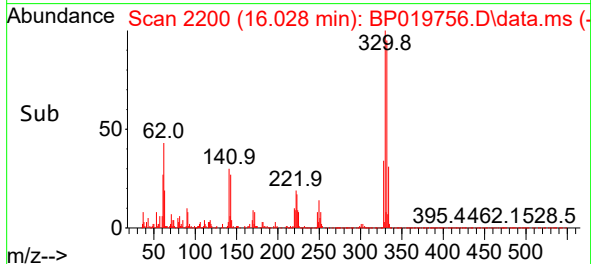
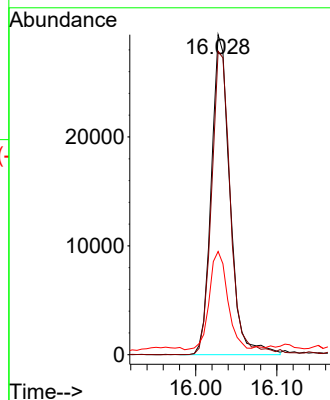
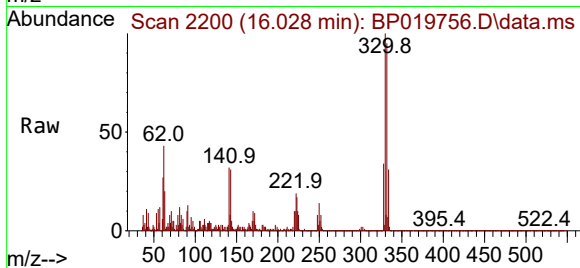
Tgt Ion:330 Resp: 46882

Ion Ratio Lower Upper

330 100

332 96.5 77.2 115.8

141 30.3 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 8.236 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.017 min

Lab File: BP019756.D

Acq: 16 Feb 2024 21:29

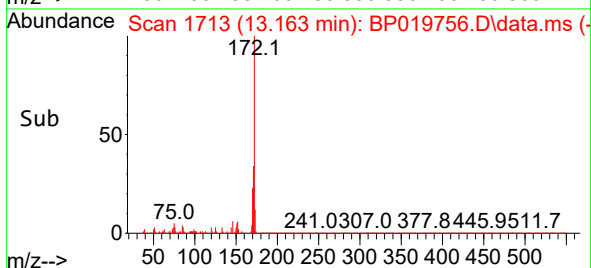
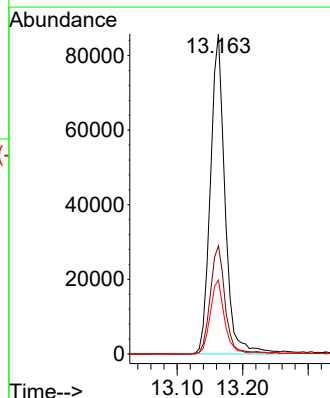
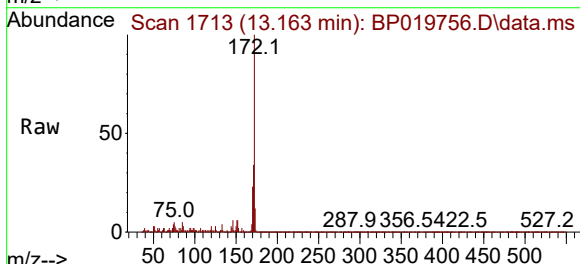
Tgt Ion:172 Resp: 132731

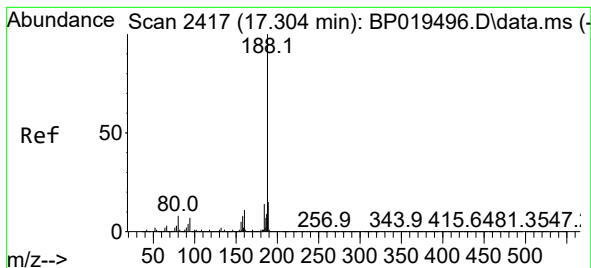
Ion Ratio Lower Upper

172 100

171 33.8 28.2 42.4

170 23.1 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: BP019756.D

Acq: 16 Feb 2024 21:29

Instrument :

BNA_P

ClientSampleId :

TR-04-021424

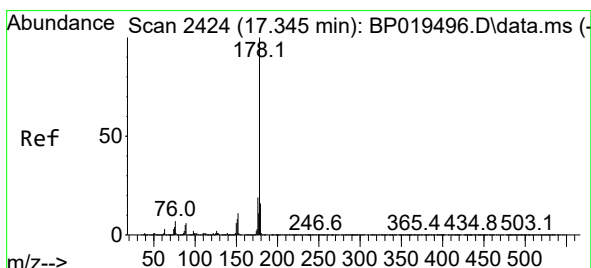
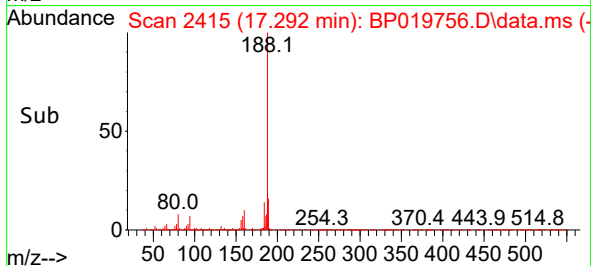
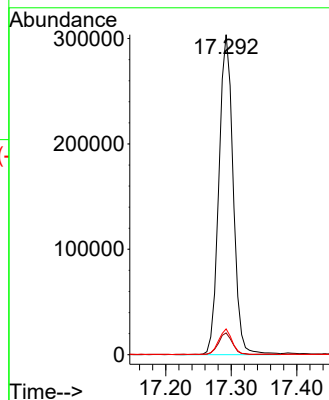
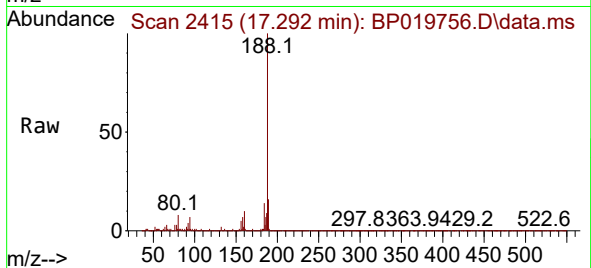
Tgt Ion:188 Resp: 456189

Ion Ratio Lower Upper

188 100

94 6.8 5.4 8.2

80 8.0 6.3 9.5



#71

Phenanthrene

Concen: 2.519 ng

RT: 17.333 min Scan# 2422

Delta R.T. -0.012 min

Lab File: BP019756.D

Acq: 16 Feb 2024 21:29

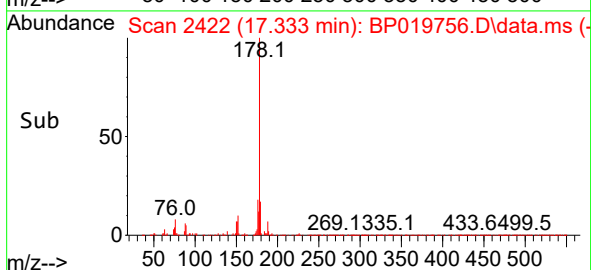
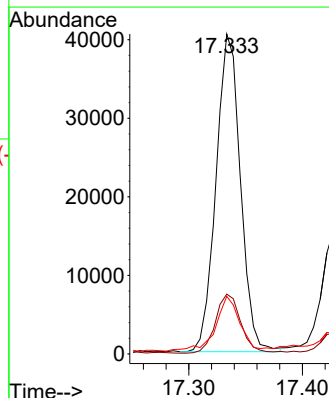
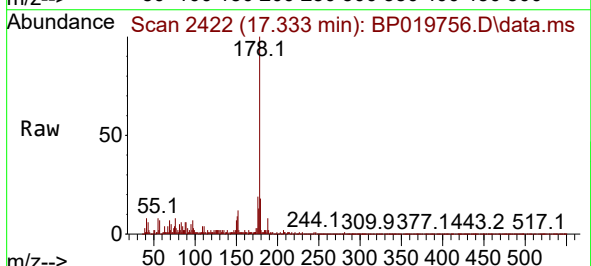
Tgt Ion:178 Resp: 60478

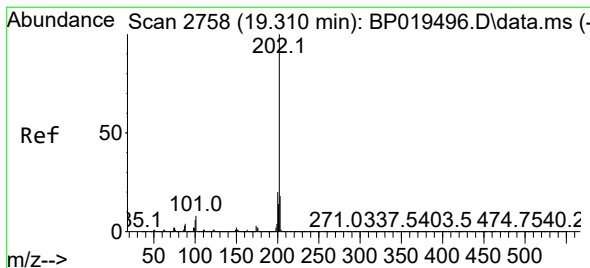
Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 18.0 12.6 19.0





#75

Fluoranthene

Concen: 5.304 ng

RT: 19.304 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019756.D

Acq: 16 Feb 2024 21:29

Instrument :

BNA_P

ClientSampleId :

TR-04-021424

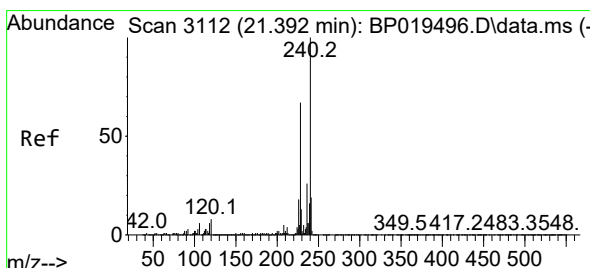
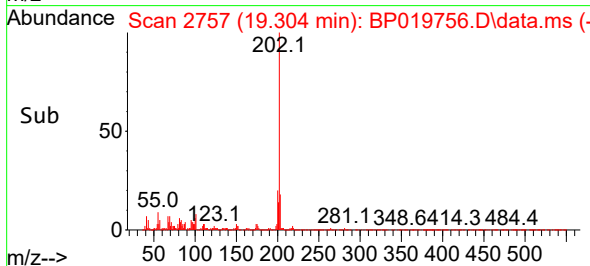
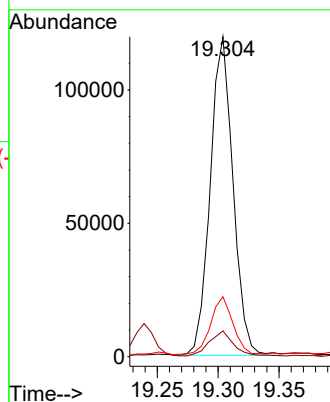
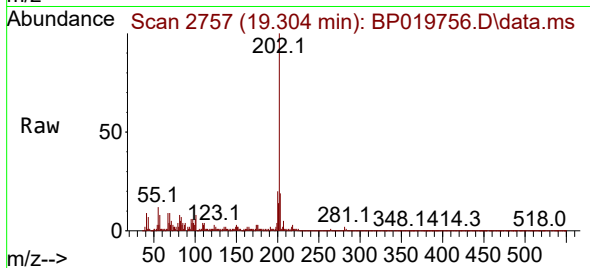
Tgt Ion:202 Resp: 155554

Ion Ratio Lower Upper

202 100

101 8.1 0.0 27.7

203 18.8 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: BP019756.D

Acq: 16 Feb 2024 21:29

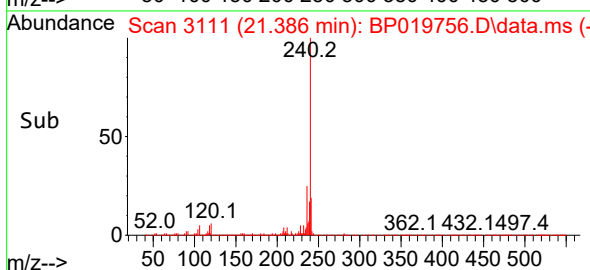
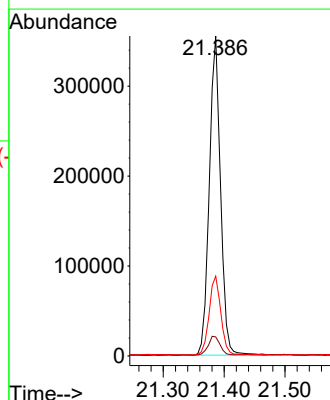
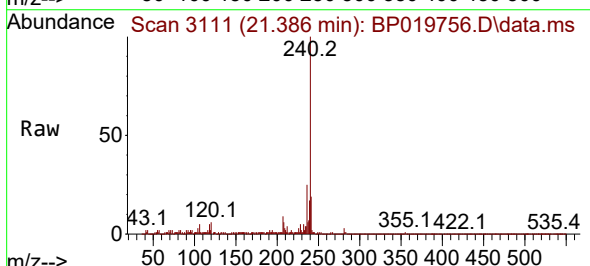
Tgt Ion:240 Resp: 455138

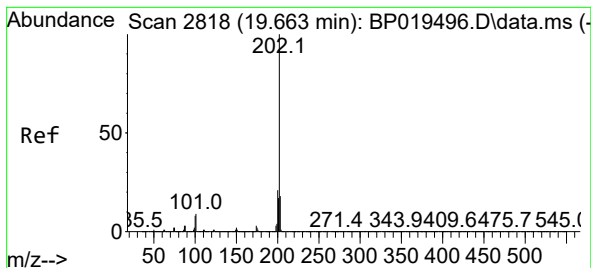
Ion Ratio Lower Upper

240 100

120 6.0 6.1 9.1#

236 24.9 20.7 31.1





#78

Pyrene

Concen: 5.460 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019756.D

Acq: 16 Feb 2024 21:29

Instrument :

BNA_P

ClientSampleId :

TR-04-021424

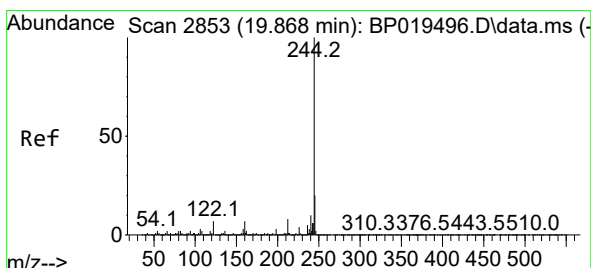
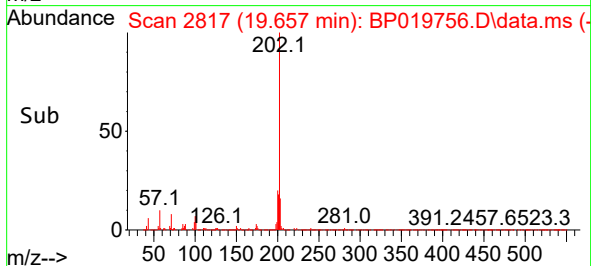
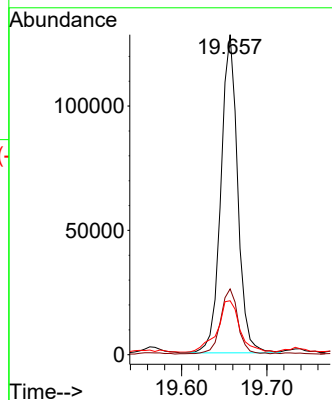
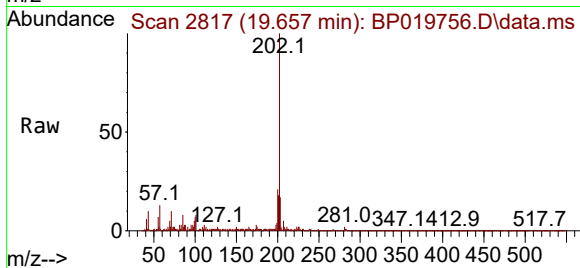
Tgt Ion:202 Resp: 175372

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 16.8 14.2 21.2



#79

Terphenyl-d14

Concen: 9.127 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.012 min

Lab File: BP019756.D

Acq: 16 Feb 2024 21:29

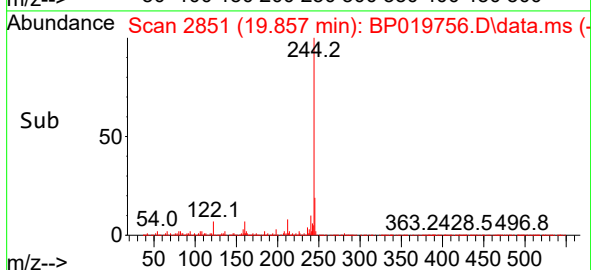
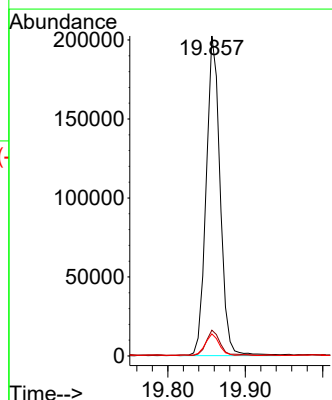
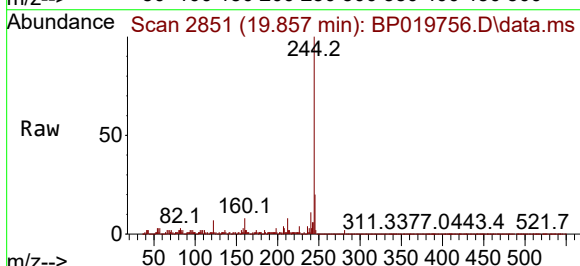
Tgt Ion:244 Resp: 252601

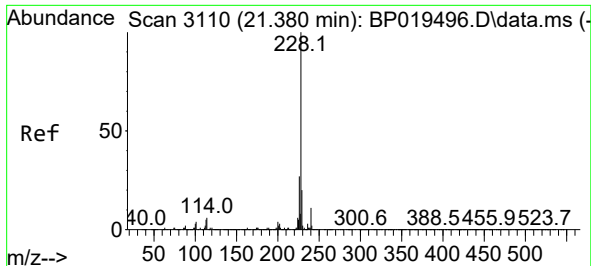
Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

122 6.9 5.9 8.9

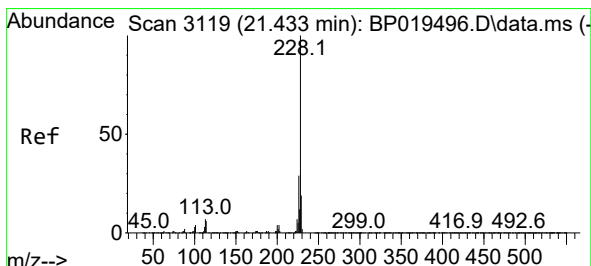
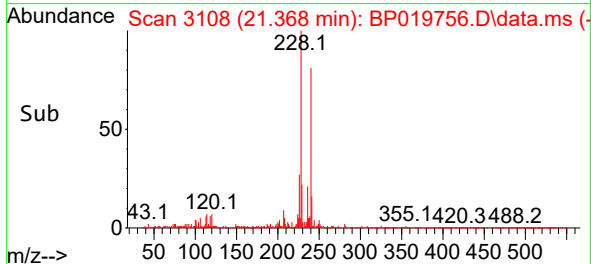
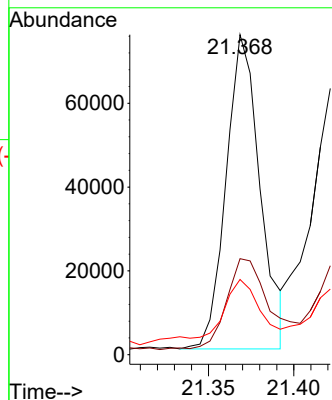
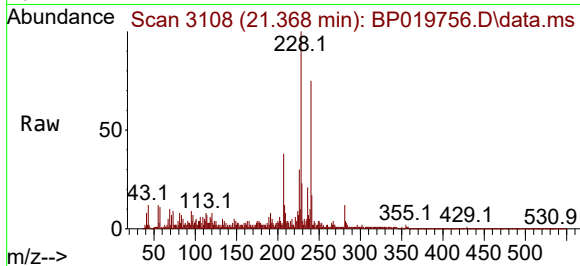




#81
Benzo(a)anthracene
Concen: 3.249 ng
RT: 21.368 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BP019756.D
Acq: 16 Feb 2024 21:29

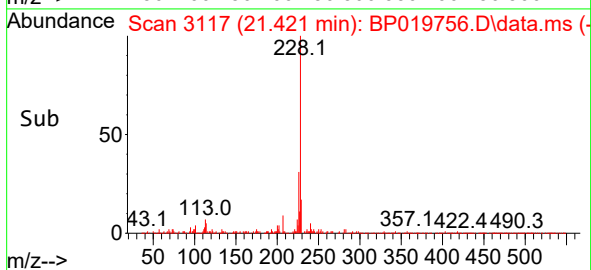
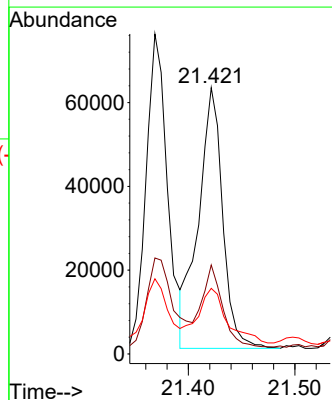
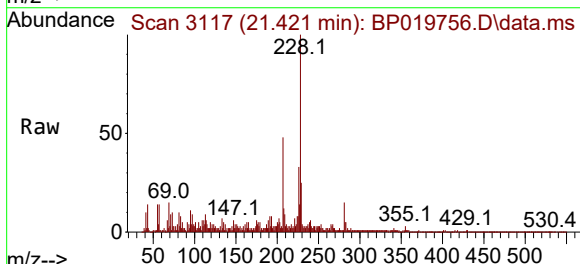
Instrument :
BNA_P
ClientSampleId :
TR-04-021424

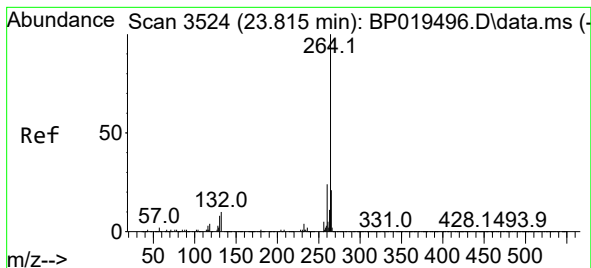
Tgt Ion:228 Resp: 104103
Ion Ratio Lower Upper
228 100
226 30.0 21.7 32.5
229 23.5 15.6 23.4#



#83
Chrysene
Concen: 3.256 ng
RT: 21.421 min Scan# 3117
Delta R.T. -0.012 min
Lab File: BP019756.D
Acq: 16 Feb 2024 21:29

Tgt Ion:228 Resp: 99041
Ion Ratio Lower Upper
228 100
226 33.4 23.4 35.2
229 24.6 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019756.D

Acq: 16 Feb 2024 21:29

Instrument :

BNA_P

ClientSampleId :

TR-04-021424

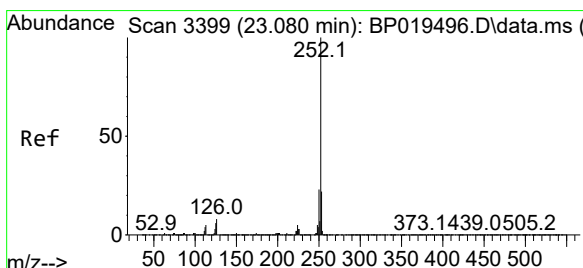
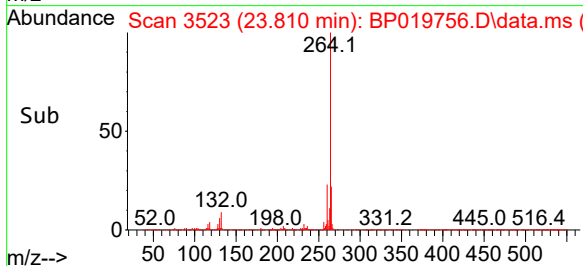
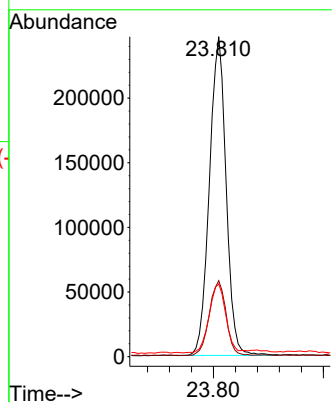
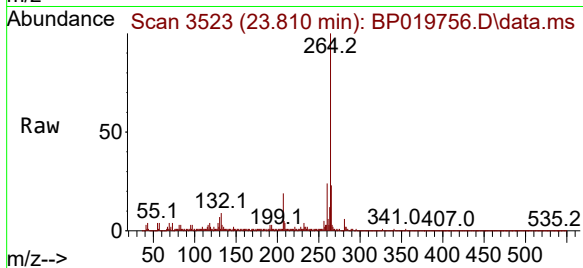
Tgt Ion:264 Resp: 519989

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.7 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 3.475 ng

RT: 23.068 min Scan# 3397

Delta R.T. -0.012 min

Lab File: BP019756.D

Acq: 16 Feb 2024 21:29

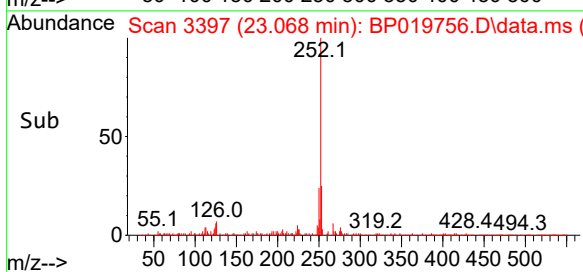
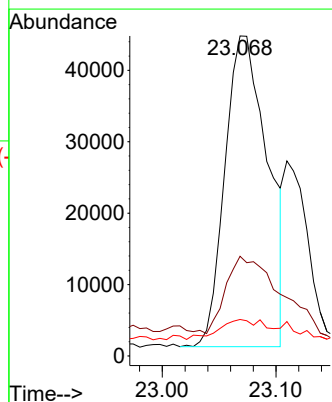
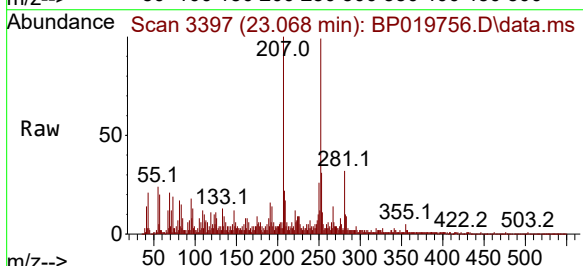
Tgt Ion:252 Resp: 113887

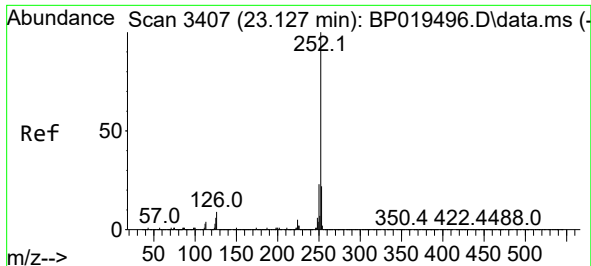
Ion Ratio Lower Upper

252 100

253 31.2 17.3 25.9#

125 11.4 4.9 7.3#

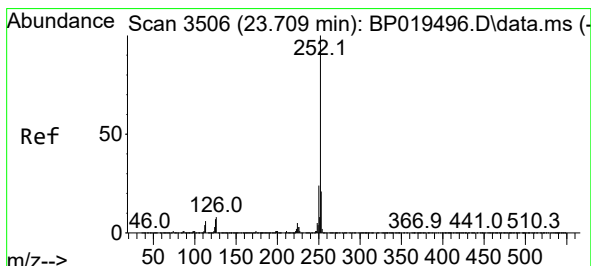
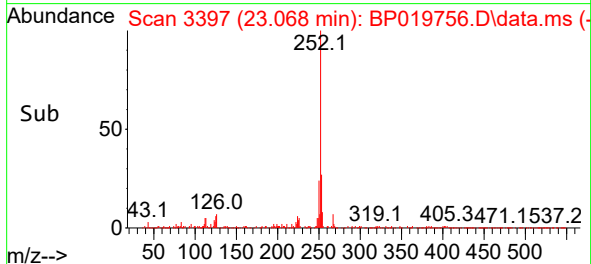
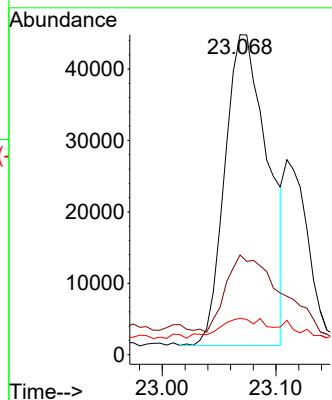
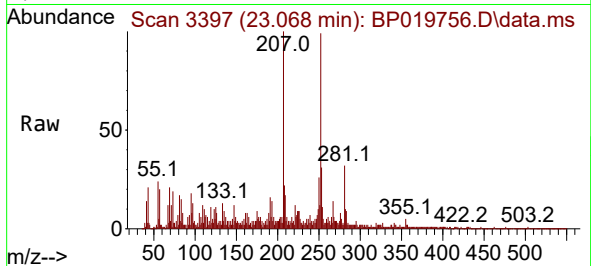




#89
Benzo(k)fluoranthene
Concen: 3.638 ng
RT: 23.068 min Scan# 31
Delta R.T. -0.059 min
Lab File: BP019756.D
Acq: 16 Feb 2024 21:29

Instrument :
BNA_P
ClientSampleId :
TR-04-021424

Tgt Ion:252 Resp: 113887
Ion Ratio Lower Upper
252 100
253 31.2 17.1 25.7#
125 11.4 5.0 7.6#



#90
Benzo(a)pyrene
Concen: 3.190 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.012 min
Lab File: BP019756.D
Acq: 16 Feb 2024 21:29

Tgt Ion:252 Resp: 93027
Ion Ratio Lower Upper
252 100
253 27.4 17.1 25.7#
125 12.6 5.6 8.4#

