

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021624\
 Data File : BP019755.D
 Acq On : 16 Feb 2024 20:56
 Operator : MA/JU
 Sample : P1141-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EB-3-0-2

Quant Time: Feb 19 00:28:53 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)

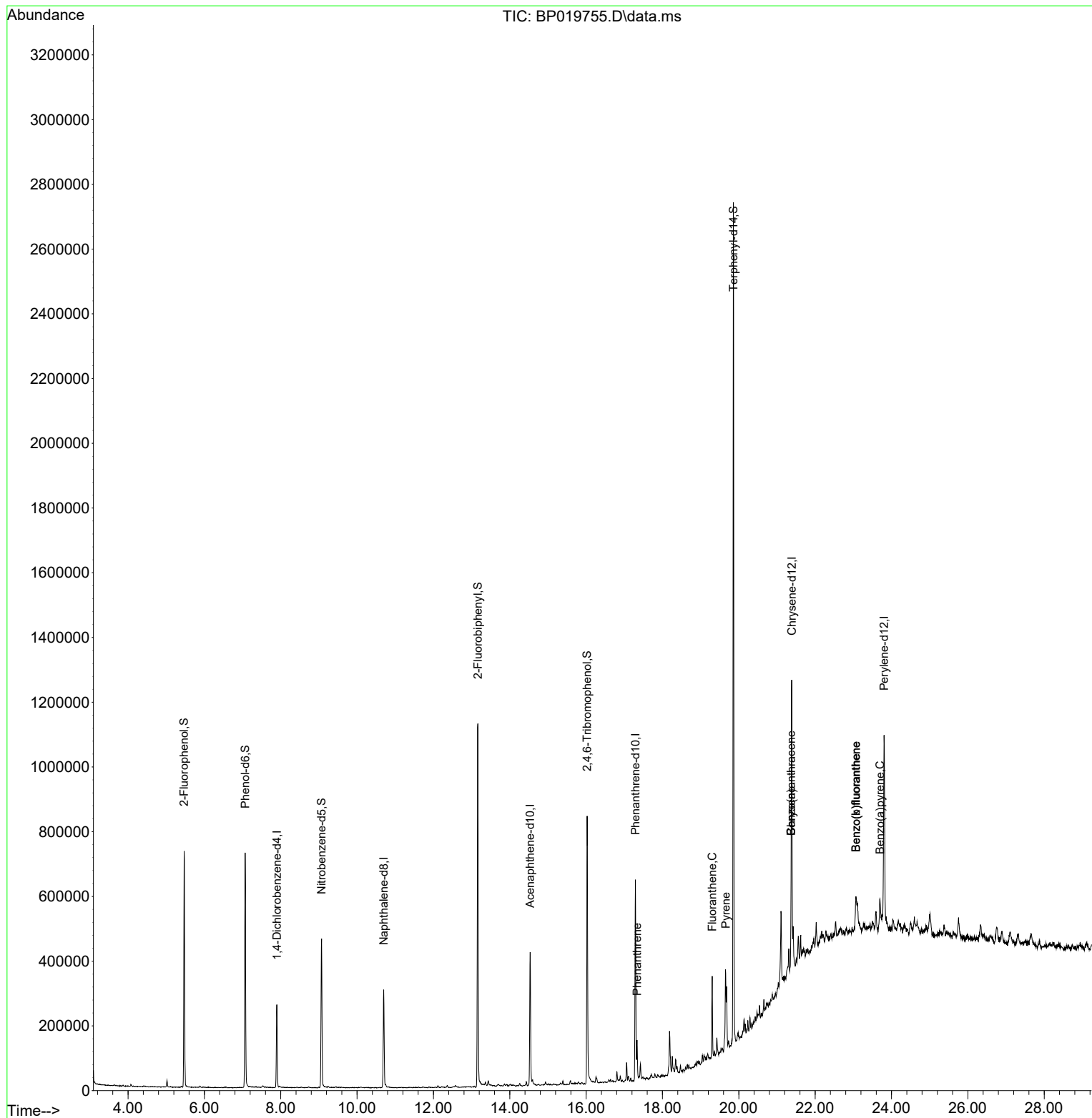
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	68490	20.000	ng	-0.02
21) Naphthalene-d8	10.699	136	248757	20.000	ng	-0.02
39) Acenaphthene-d10	14.534	164	157330	20.000	ng	-0.02
64) Phenanthrene-d10	17.292	188	398153	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	439275	20.000	ng	# 0.00
86) Perylene-d12	23.804	264	502359	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	305852	71.983	ng	-0.02
7) Phenol-d6	7.069	99	406573	70.966	ng	-0.02
23) Nitrobenzene-d5	9.069	82	285658	49.759	ng	-0.02
42) 2,4,6-Tribromophenol	16.028	330	188883	82.226	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	635335	49.922	ng	-0.02
79) Terphenyl-d14	19.857	244	1347947	50.464	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.334	178	74535	3.557	ng	99
75) Fluoranthene	19.304	202	152585	5.961	ng	99
78) Pyrene	19.657	202	153029	4.936	ng	98
81) Benzo(a)anthracene	21.369	228	81662	2.641	ng	97
83) Chrysene	21.369	228	81662	2.782	ng	96
88) Benzo(b)fluoranthene	23.069	252	130618	4.125	ng	# 83
89) Benzo(k)fluoranthene	23.069	252	130618	4.319	ng	# 83
90) Benzo(a)pyrene	23.698	252	73014	2.592	ng	# 91

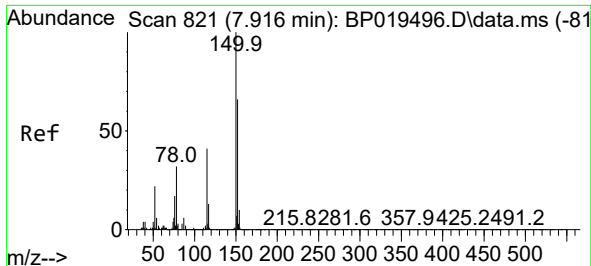
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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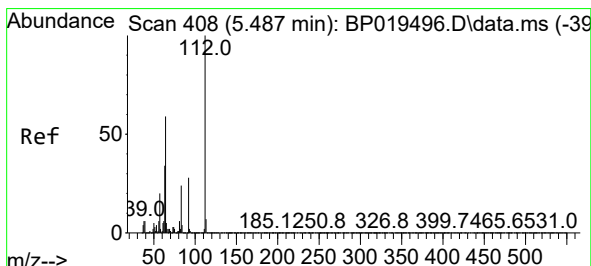
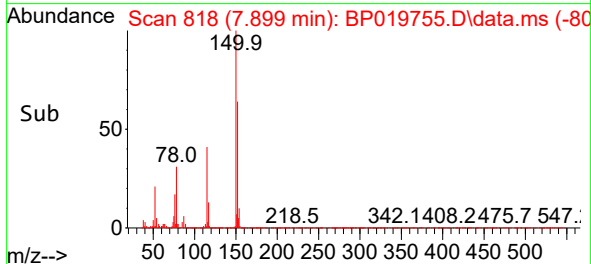
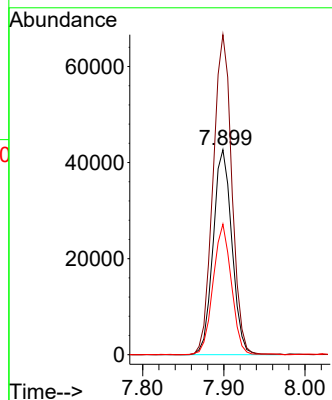
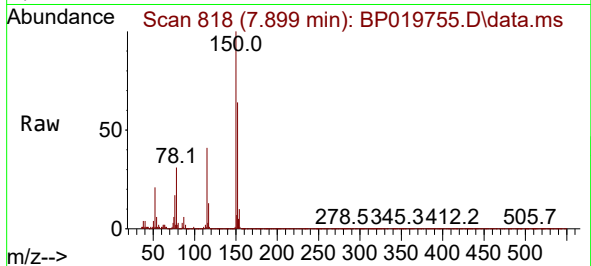




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP019755.D
Acq: 16 Feb 2024 20:56

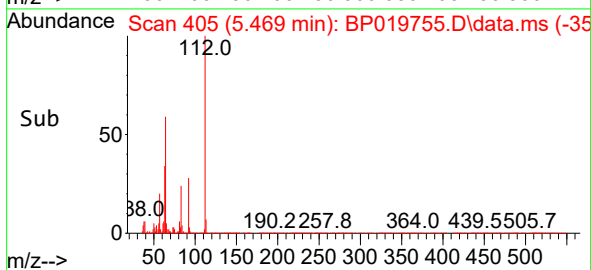
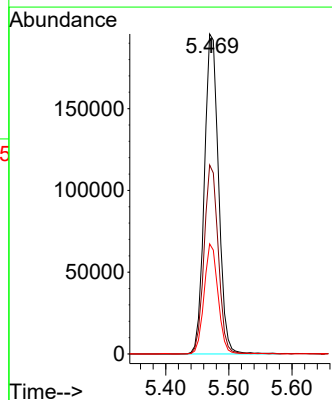
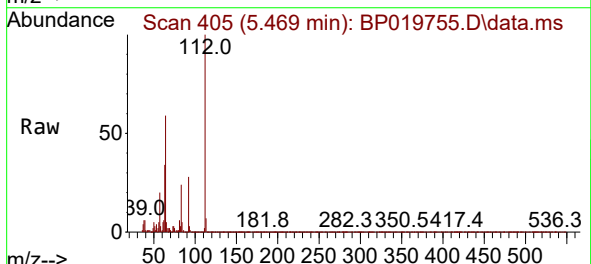
Instrument :
BNA_P
ClientSampleId :
EB-3-0-2

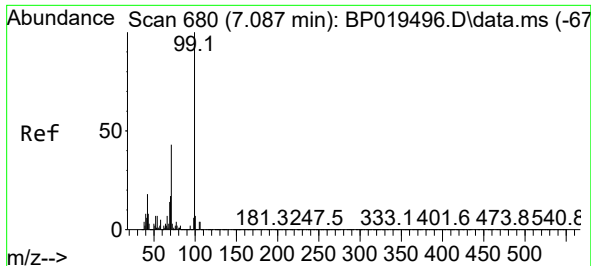
Tgt Ion:152 Resp: 68490
Ion Ratio Lower Upper
152 100
150 156.1 121.8 182.8
115 63.7 49.9 74.9



#5
2-Fluorophenol
Concen: 71.983 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.017 min
Lab File: BP019755.D
Acq: 16 Feb 2024 20:56

Tgt Ion:112 Resp: 305852
Ion Ratio Lower Upper
112 100
64 59.0 47.4 71.0
63 34.4 27.0 40.6

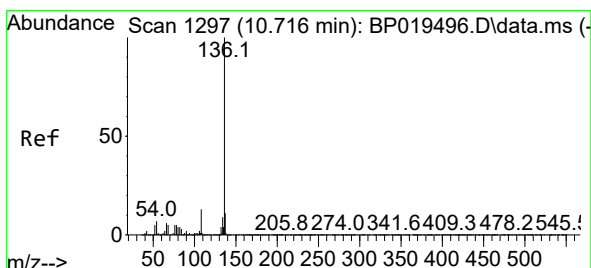
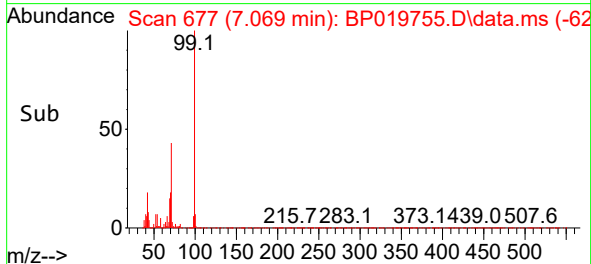
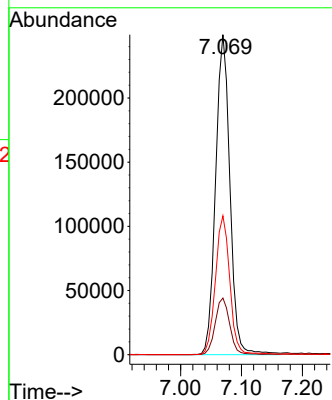
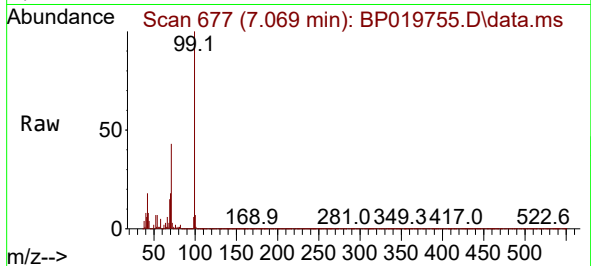




#7
Phenol-d6
Concen: 70.966 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.017 min
Lab File: BP019755.D
Acq: 16 Feb 2024 20:56

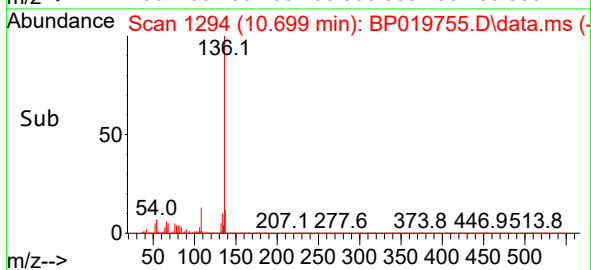
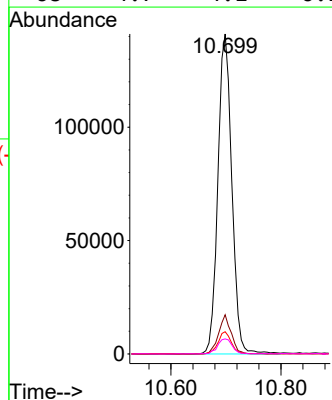
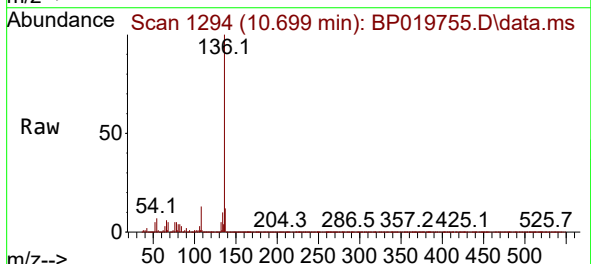
Instrument :
BNA_P
ClientSampleId :
EB-3-0-2

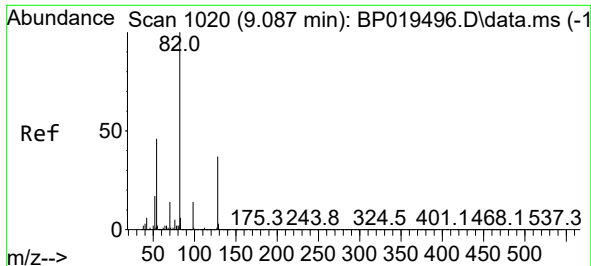
Tgt Ion: 99 Resp: 406573
Ion Ratio Lower Upper
99 100
42 17.7 14.7 22.1
71 43.4 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.699 min Scan# 1294
Delta R.T. -0.017 min
Lab File: BP019755.D
Acq: 16 Feb 2024 20:56

Tgt Ion: 136 Resp: 248757
Ion Ratio Lower Upper
136 100
137 12.2 8.8 13.2
54 6.9 5.3 7.9
68 4.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 49.759 ng

RT: 9.069 min Scan# 1017

Delta R.T. -0.017 min

Lab File: BP019755.D

Acq: 16 Feb 2024 20:56

Instrument :

BNA_P

ClientSampleId :

EB-3-0-2

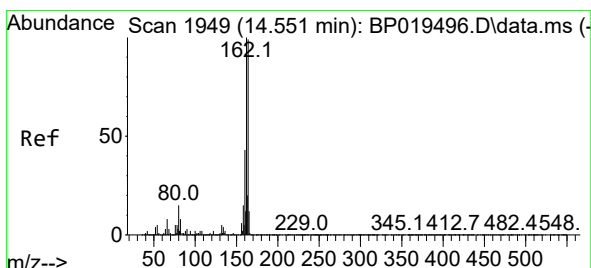
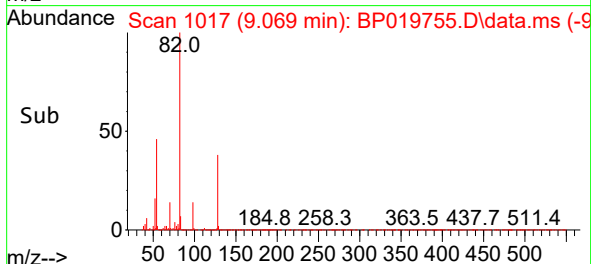
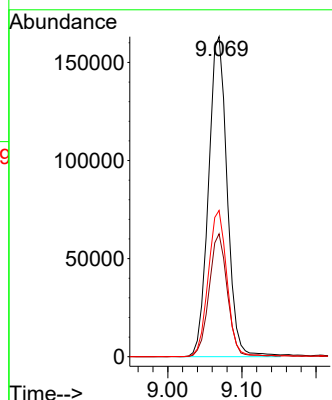
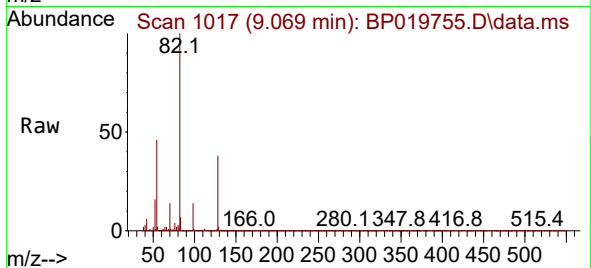
Tgt Ion: 82 Resp: 285658

Ion Ratio Lower Upper

82 100

128 38.4 29.7 44.5

54 45.7 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: BP019755.D

Acq: 16 Feb 2024 20:56

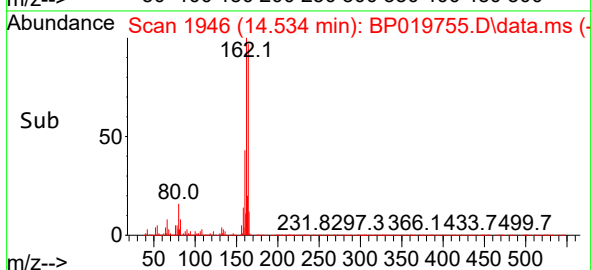
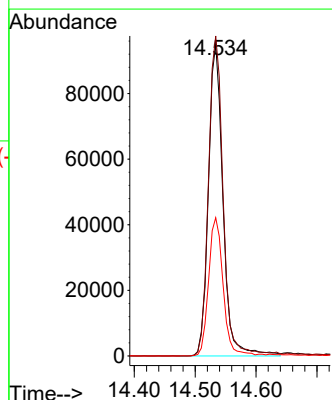
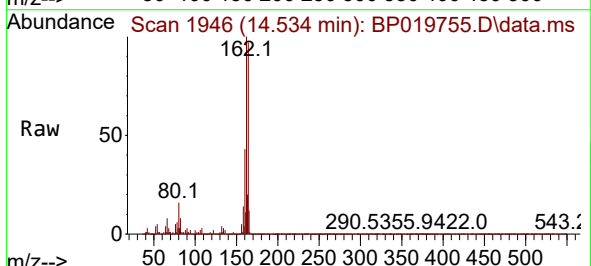
Tgt Ion: 164 Resp: 157330

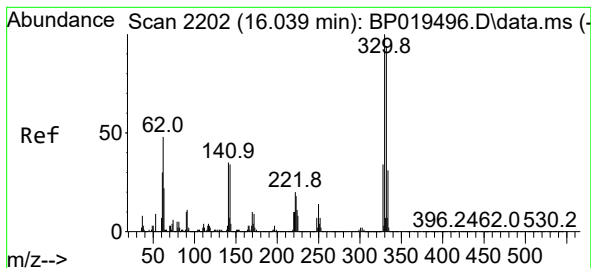
Ion Ratio Lower Upper

164 100

162 102.7 81.2 121.8

160 44.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 82.226 ng

RT: 16.028 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP019755.D

Acq: 16 Feb 2024 20:56

Instrument :

BNA_P

ClientSampleId :

EB-3-0-2

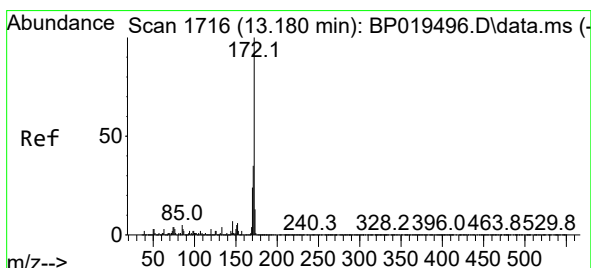
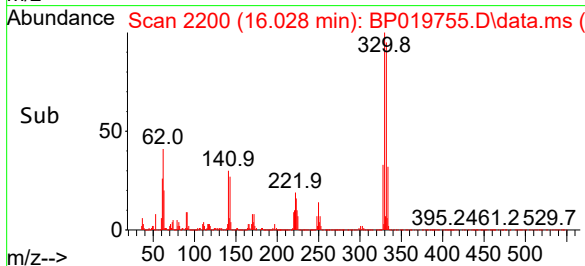
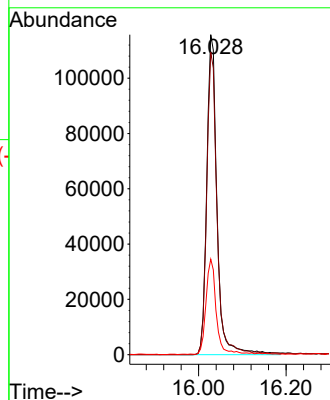
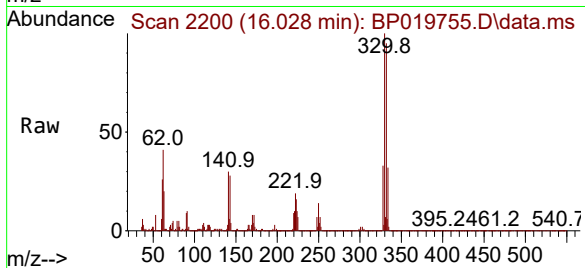
Tgt Ion:330 Resp: 188883

Ion Ratio Lower Upper

330 100

332 95.3 77.2 115.8

141 29.3 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 49.922 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.017 min

Lab File: BP019755.D

Acq: 16 Feb 2024 20:56

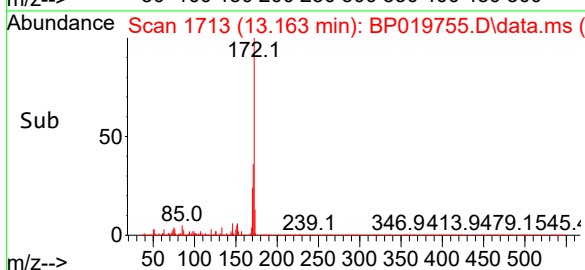
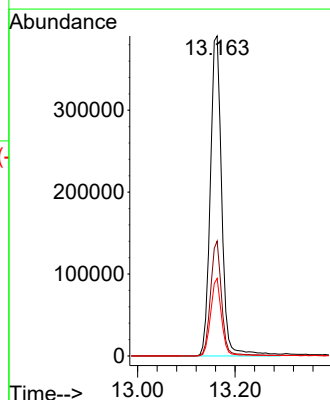
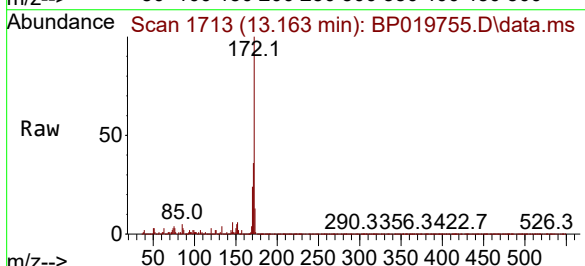
Tgt Ion:172 Resp: 635335

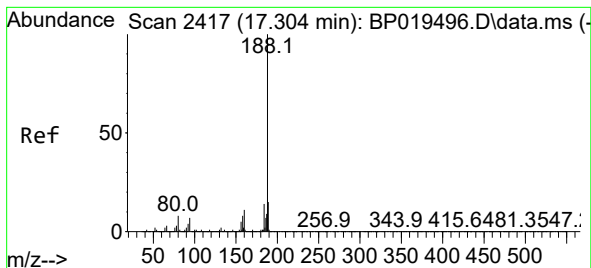
Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.4

170 24.3 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: BP019755.D

Acq: 16 Feb 2024 20:56

Instrument :

BNA_P

ClientSampleId :

EB-3-0-2

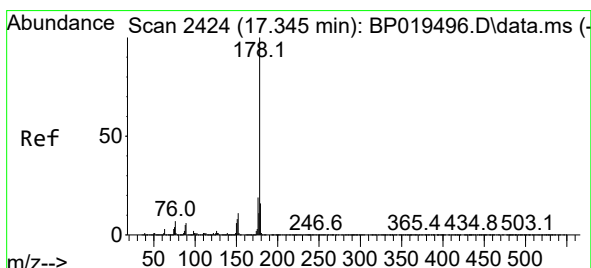
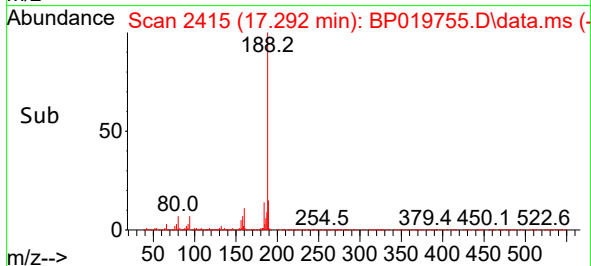
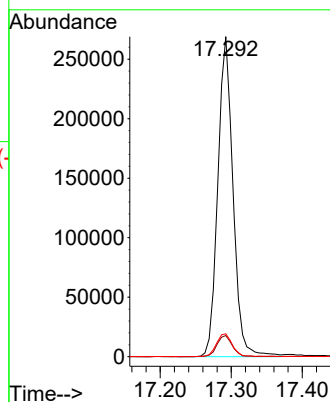
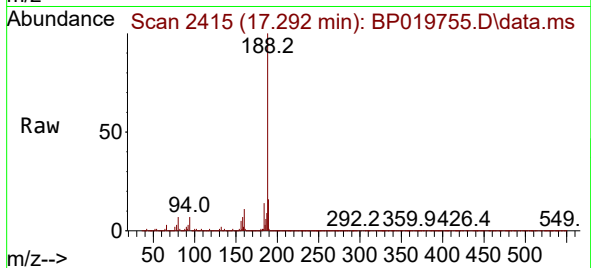
Tgt Ion:188 Resp: 398153

Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.2

80 7.2 6.3 9.5



#71

Phenanthrene

Concen: 3.557 ng

RT: 17.334 min Scan# 2422

Delta R.T. -0.011 min

Lab File: BP019755.D

Acq: 16 Feb 2024 20:56

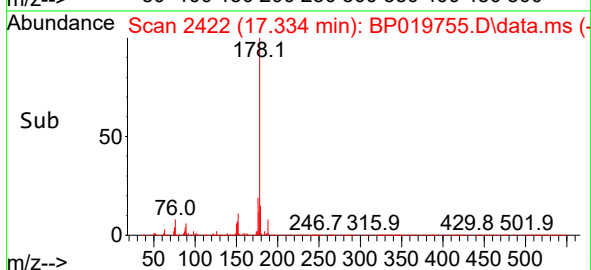
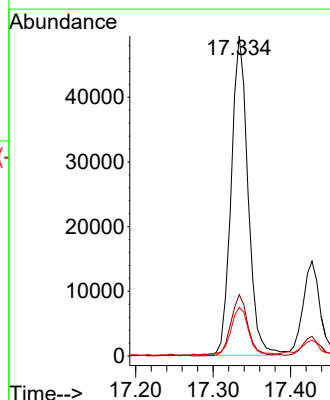
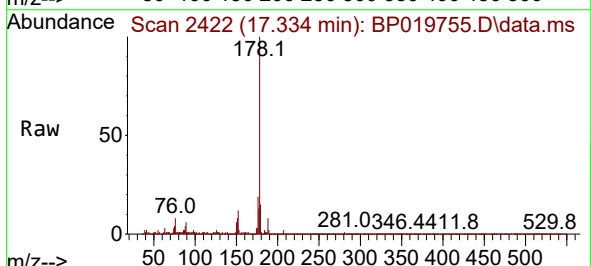
Tgt Ion:178 Resp: 74535

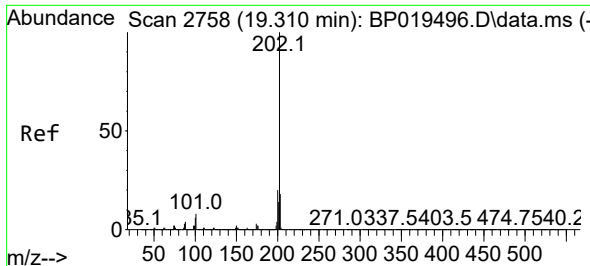
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.1 12.6 19.0

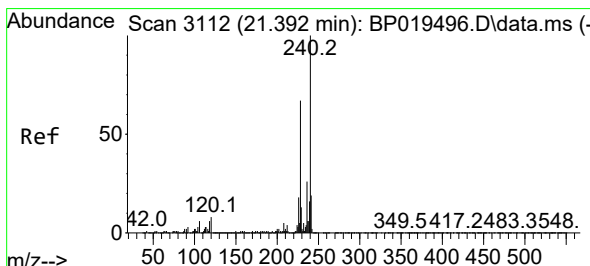
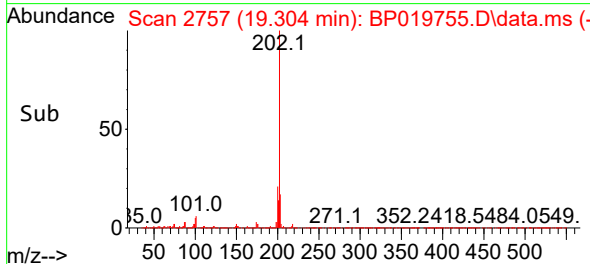
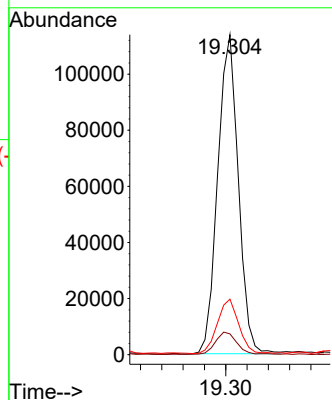
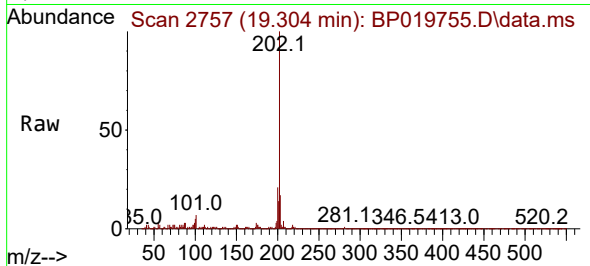




#75
Fluoranthene
Concen: 5.961 ng
RT: 19.304 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019755.D
Acq: 16 Feb 2024 20:56

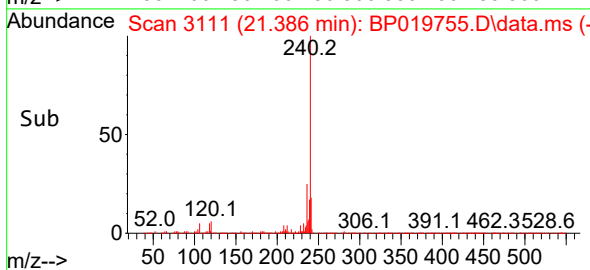
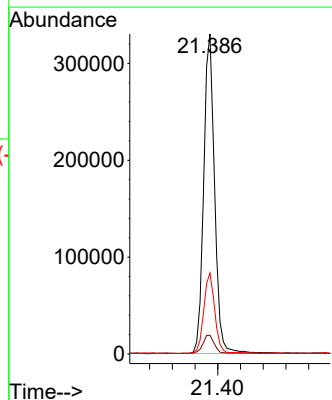
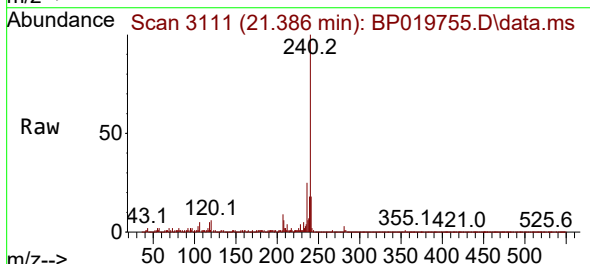
Instrument :
BNA_P
ClientSampleId :
EB-3-0-2

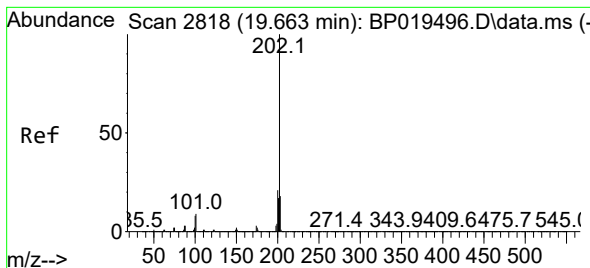
Tgt Ion:202 Resp: 152585
Ion Ratio Lower Upper
202 100
101 6.5 0.0 27.7
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP019755.D
Acq: 16 Feb 2024 20:56

Tgt Ion:240 Resp: 439275
Ion Ratio Lower Upper
240 100
120 5.9 6.1 9.1#
236 25.3 20.7 31.1





#78

Pyrene

Concen: 4.936 ng

RT: 19.657 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019755.D

Acq: 16 Feb 2024 20:56

Instrument :

BNA_P

ClientSampleId :

EB-3-0-2

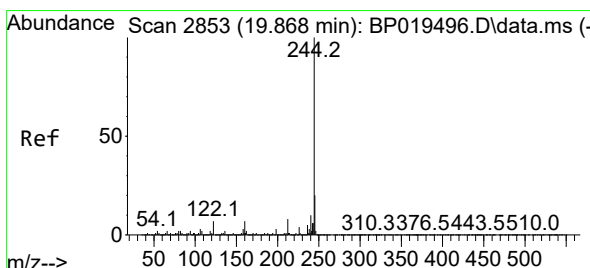
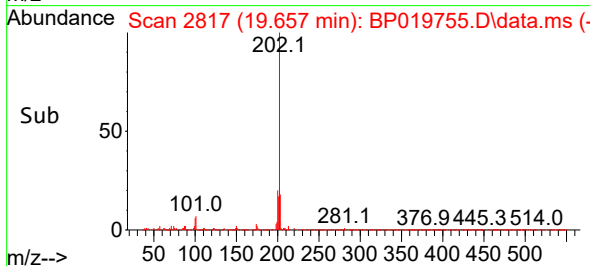
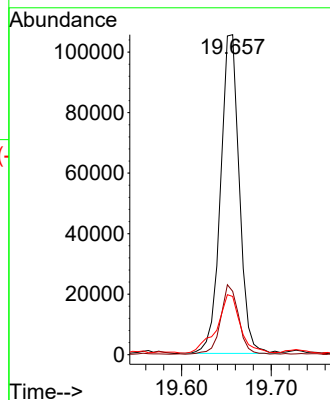
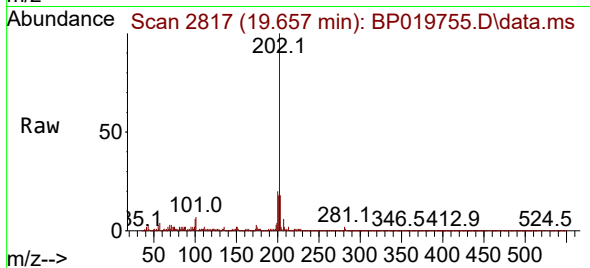
Tgt Ion:202 Resp: 153029

Ion Ratio Lower Upper

202 100

200 19.8 16.9 25.3

203 18.2 14.2 21.2



#79

Terphenyl-d14

Concen: 50.464 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.011 min

Lab File: BP019755.D

Acq: 16 Feb 2024 20:56

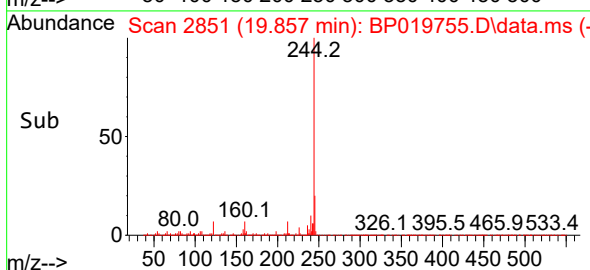
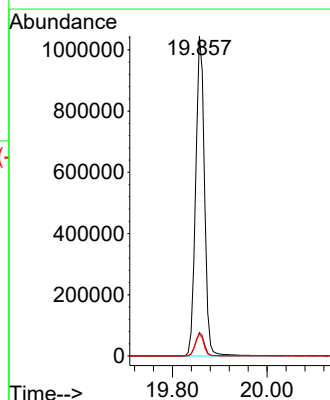
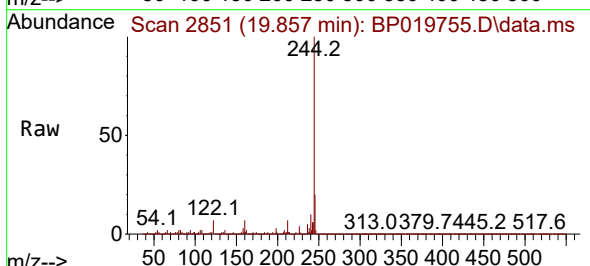
Tgt Ion:244 Resp: 1347947

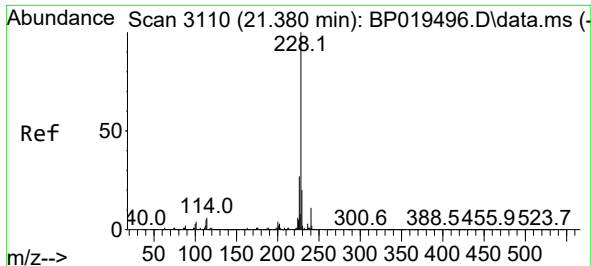
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 6.8 5.9 8.9

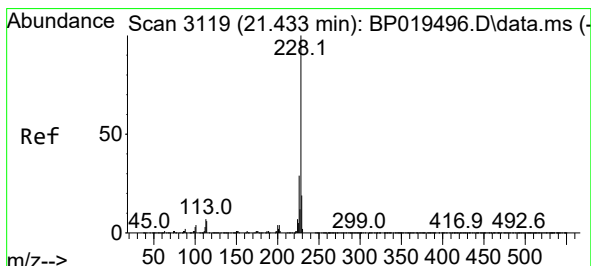
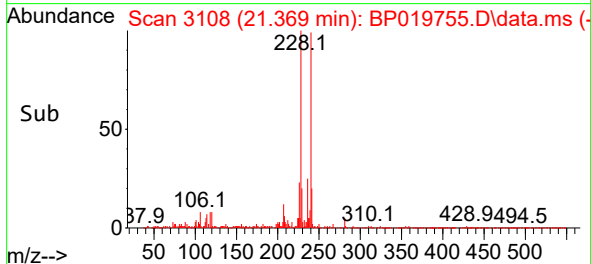
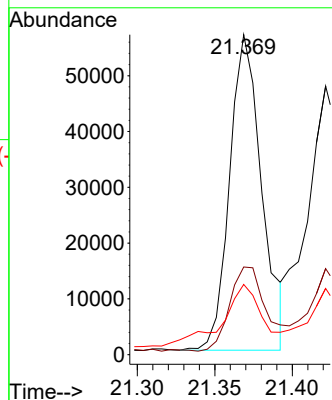
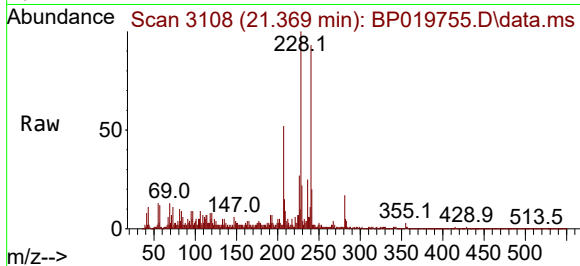




#81
Benzo(a)anthracene
Concen: 2.641 ng
RT: 21.369 min Scan# 3110
Delta R.T. -0.011 min
Lab File: BP019755.D
Acq: 16 Feb 2024 20:56

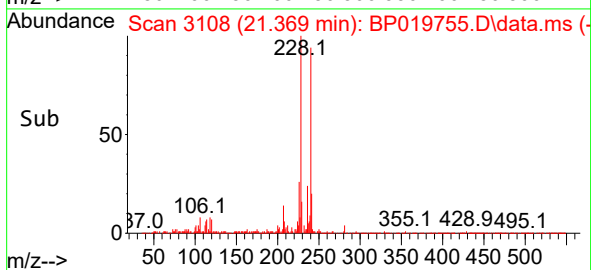
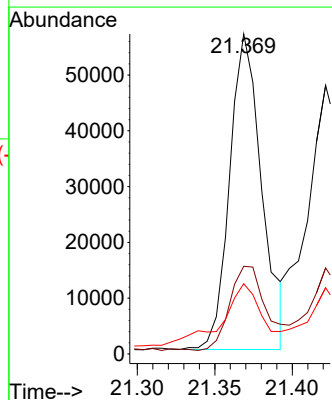
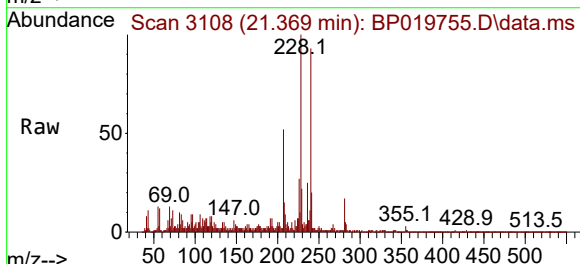
Instrument :
BNA_P
ClientSampleId :
EB-3-0-2

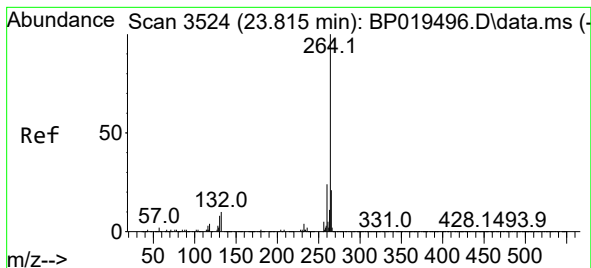
Tgt Ion:228 Resp: 81662
Ion Ratio Lower Upper
228 100
226 27.4 21.7 32.5
229 21.9 15.6 23.4



#83
Chrysene
Concen: 2.782 ng
RT: 21.369 min Scan# 3108
Delta R.T. -0.064 min
Lab File: BP019755.D
Acq: 16 Feb 2024 20:56

Tgt Ion:228 Resp: 81662
Ion Ratio Lower Upper
228 100
226 27.4 23.4 35.2
229 21.9 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3

Delta R.T. -0.011 min

Lab File: BP019755.D

Acq: 16 Feb 2024 20:56

Instrument :

BNA_P

ClientSampleId :

EB-3-0-2

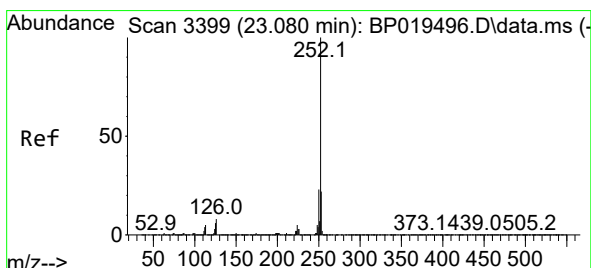
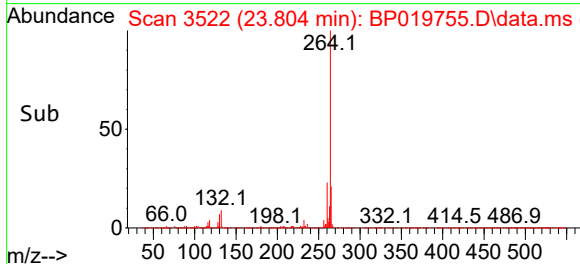
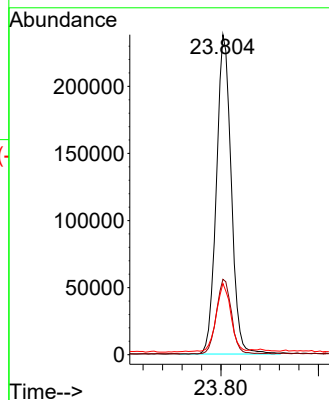
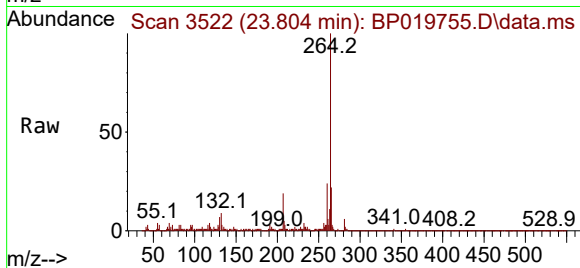
Tgt Ion:264 Resp: 502359

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.2 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 4.125 ng

RT: 23.069 min Scan# 3397

Delta R.T. -0.011 min

Lab File: BP019755.D

Acq: 16 Feb 2024 20:56

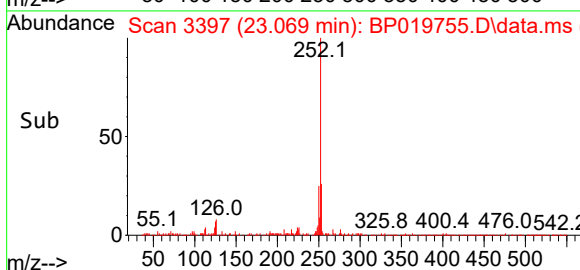
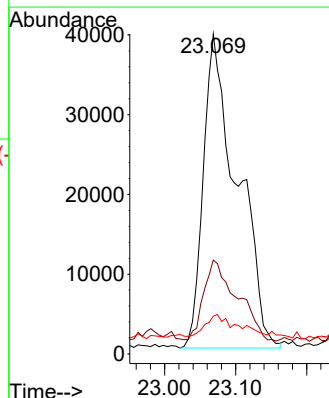
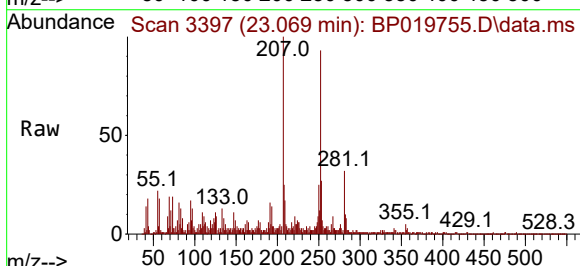
Tgt Ion:252 Resp: 130618

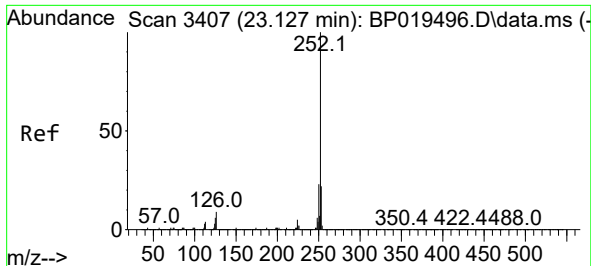
Ion Ratio Lower Upper

252 100

253 29.4 17.3 25.9#

125 11.8 4.9 7.3#

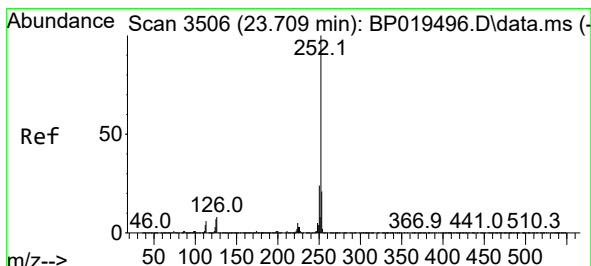
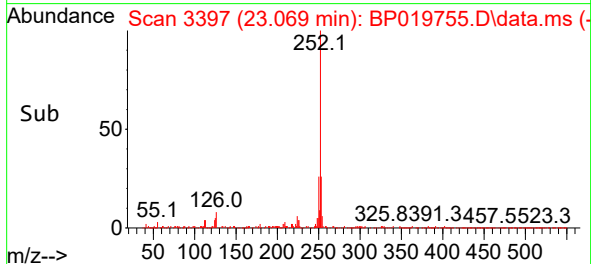
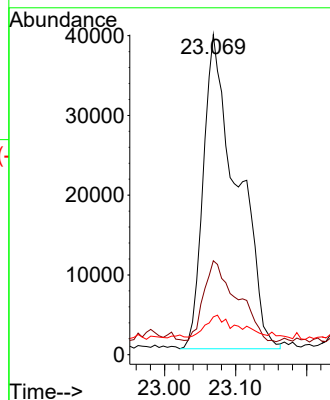
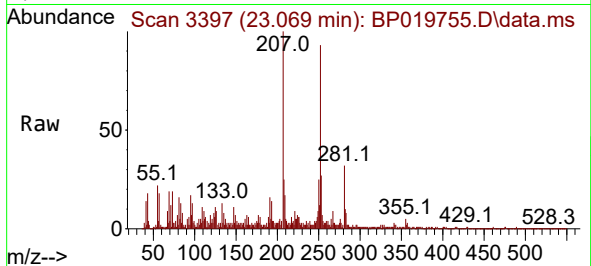




#89
Benzo(k)fluoranthene
Concen: 4.319 ng
RT: 23.069 min Scan# 31
Delta R.T. -0.058 min
Lab File: BP019755.D
Acq: 16 Feb 2024 20:56

Instrument :
BNA_P
ClientSampleId :
EB-3-0-2

Tgt Ion:252 Resp: 130618
Ion Ratio Lower Upper
252 100
253 29.4 17.1 25.7#
125 11.8 5.0 7.6#



#90
Benzo(a)pyrene
Concen: 2.592 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.011 min
Lab File: BP019755.D
Acq: 16 Feb 2024 20:56

Tgt Ion:252 Resp: 73014
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 12.2 5.6 8.4#

