

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
 Data File : BP019615.D
 Acq On : 08 Feb 2024 18:53
 Operator : MA/JU
 Sample : P1141-03 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EB-4-0-2

Quant Time: Feb 09 00:42:26 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)

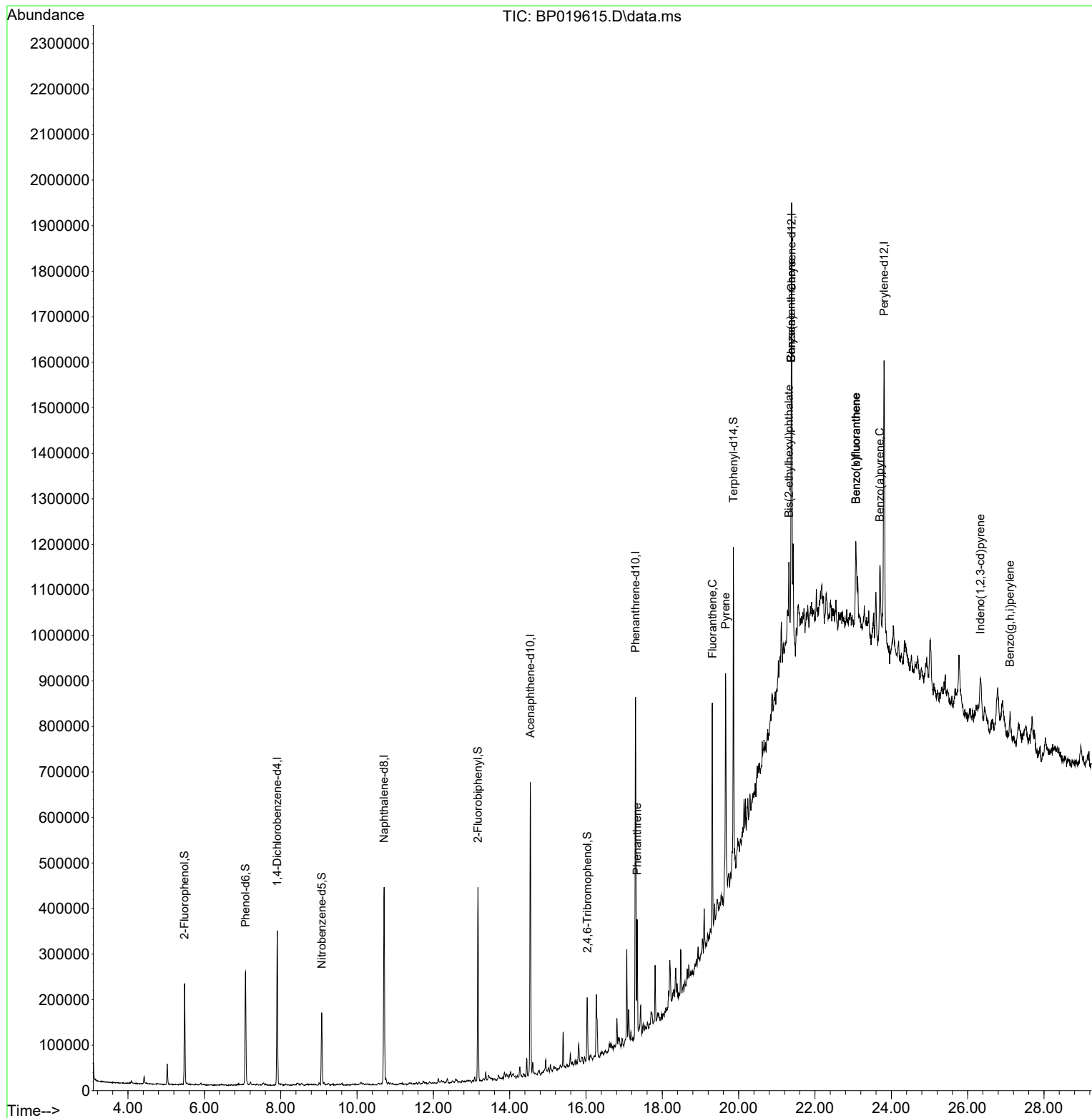
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	89904	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	349019	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	223464	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	476966	20.000	ng	0.00
76) Chrysene-d12	21.386	240	429170	20.000	ng	0.00
86) Perylene-d12	23.809	264	502750	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	93747	16.808	ng	0.00
7) Phenol-d6	7.081	99	143802	19.122	ng	0.00
23) Nitrobenzene-d5	9.075	82	95490	11.855	ng	-0.01
42) 2,4,6-Tribromophenol	16.033	330	27298	8.367	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	223954	12.389	ng	-0.01
79) Terphenyl-d14	19.863	244	331940	12.720	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.339	178	156966	6.253	ng	99
75) Fluoranthene	19.310	202	309342	10.088	ng	99
78) Pyrene	19.657	202	274918	9.077	ng	99
81) Benzo(a)anthracene	21.374	228	135578	4.488	ng	93
83) Chrysene	21.374	228	135578	4.727	ng	95
84) Bis(2-ethylhexyl)phtha...	21.315	149	45998	2.671	ng	# 93
87) Indeno(1,2,3-cd)pyrene	26.333	276	91217	2.370	ng	# 96
88) Benzo(b)fluoranthene	23.074	252	236470	7.463	ng	# 83
89) Benzo(k)fluoranthene	23.074	252	236470	7.813	ng	# 82
90) Benzo(a)pyrene	23.698	252	126970	4.504	ng	# 86
92) Benzo(g,h,i)perylene	27.109	276	94624	2.947	ng	92

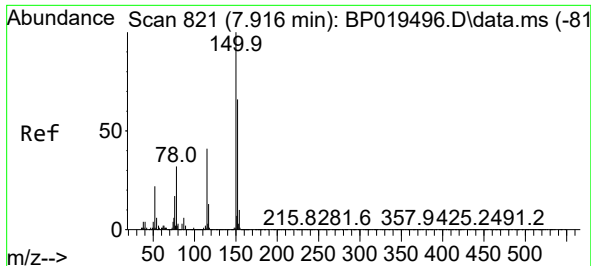
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
Data File : BP019615.D
Acq On : 08 Feb 2024 18:53
Operator : MA/JU
Sample : P1141-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-4-0-2

Quant Time: Feb 09 00:42:26 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

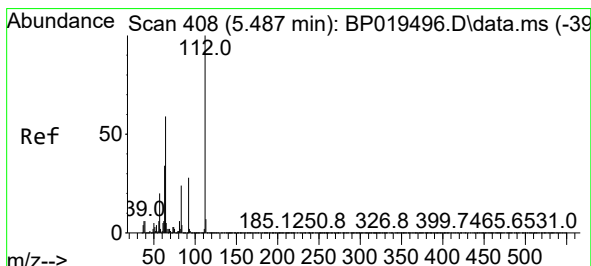
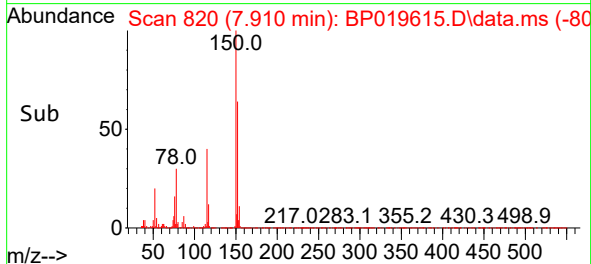
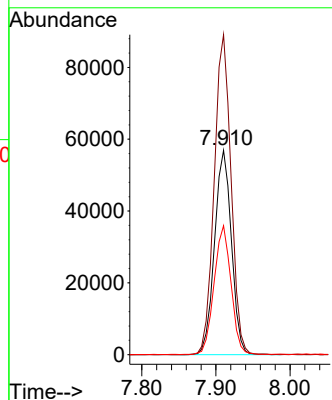
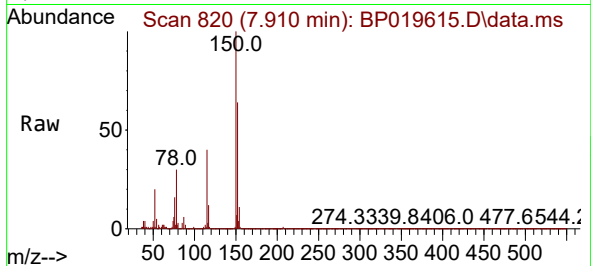




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

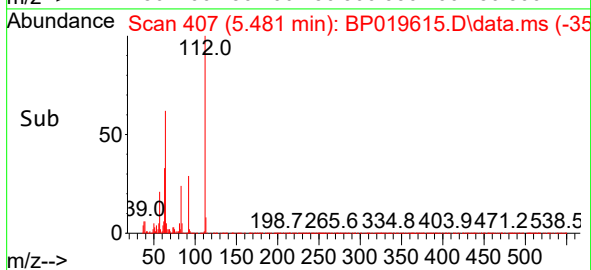
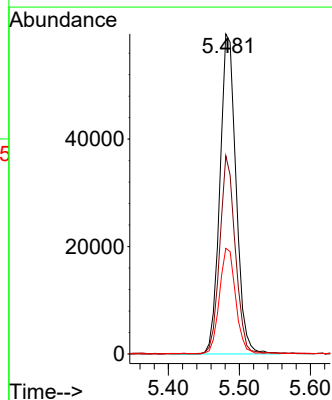
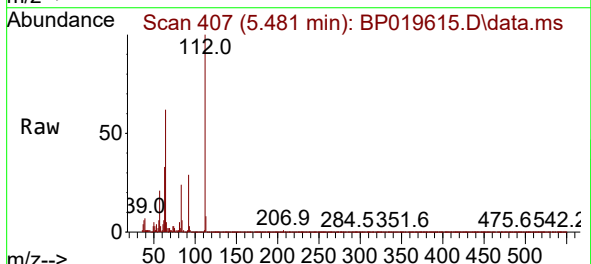
Instrument :
BNA_P
ClientSampleId :
EB-4-0-2

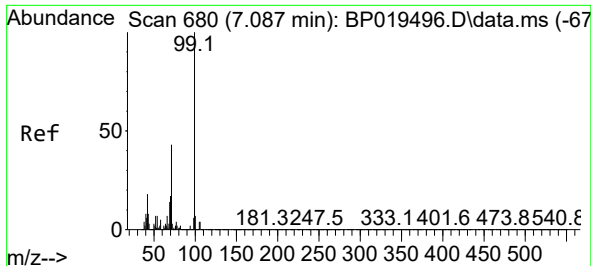
Tgt Ion:152 Resp: 89904
Ion Ratio Lower Upper
152 100
150 156.6 121.8 182.8
115 63.1 49.9 74.9



#5
2-Fluorophenol
Concen: 16.808 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Tgt Ion:112 Resp: 93747
Ion Ratio Lower Upper
112 100
64 62.0 47.4 71.0
63 33.0 27.0 40.6

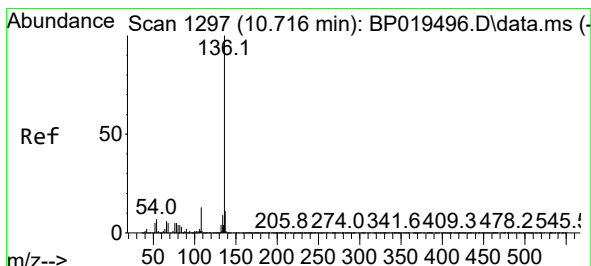
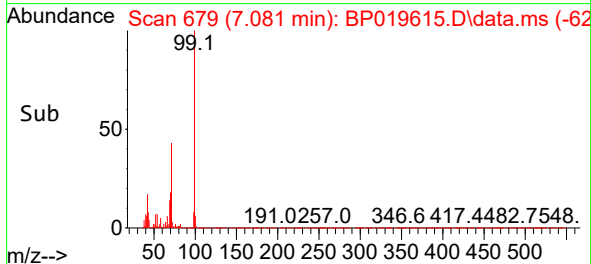
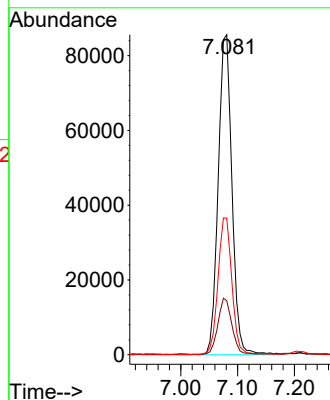
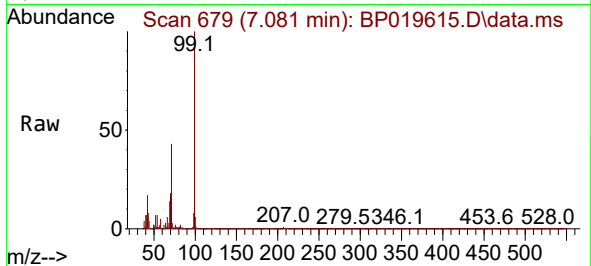




#7
Phenol-d6
Concen: 19.122 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

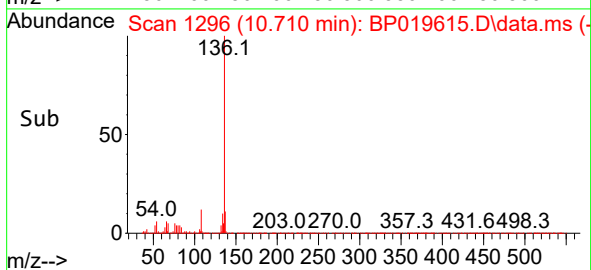
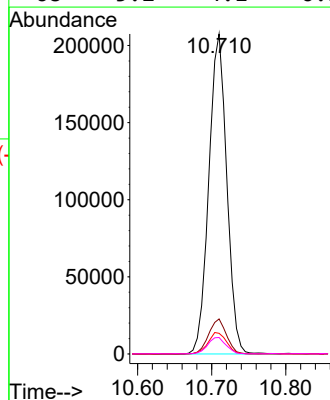
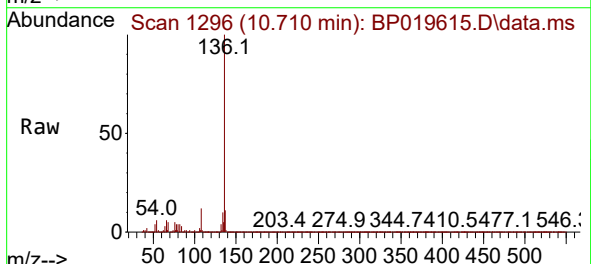
Instrument :
BNA_P
ClientSampleId :
EB-4-0-2

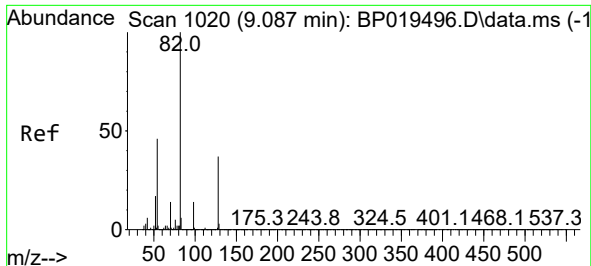
Tgt Ion: 99 Resp: 143802
Ion Ratio Lower Upper
99 100
42 16.9 14.7 22.1
71 42.7 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Tgt Ion:136 Resp: 349019
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.5 5.3 7.9
68 5.2 4.1 6.1

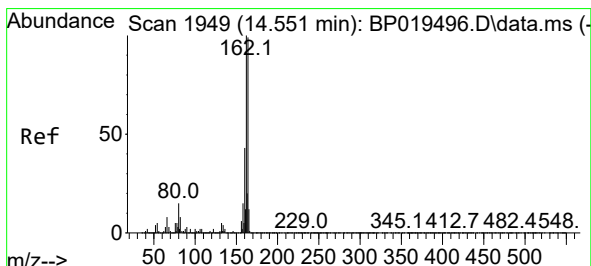
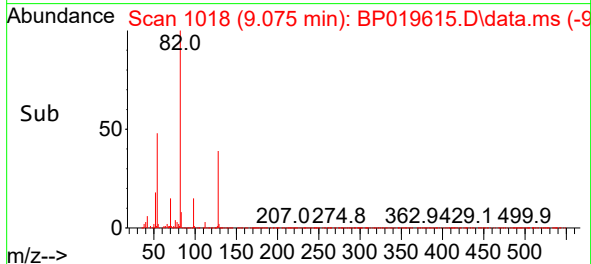
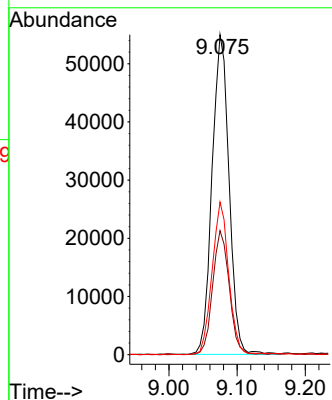
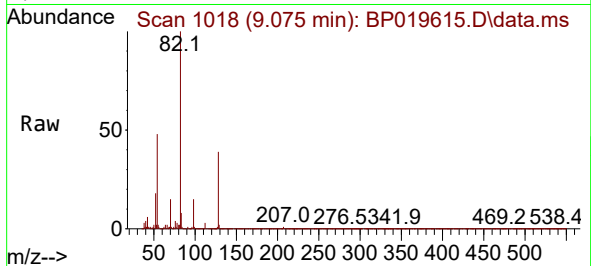




#23
Nitrobenzene-d5
Concen: 11.855 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

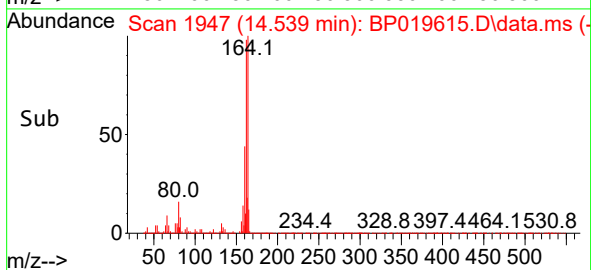
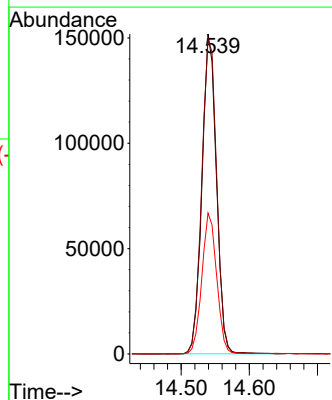
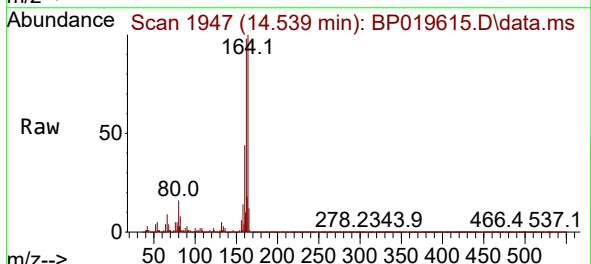
Instrument :
BNA_P
ClientSampleId :
EB-4-0-2

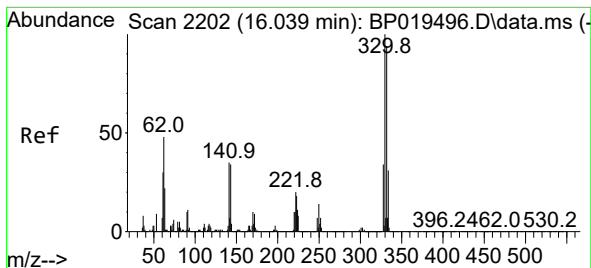
Tgt Ion: 82 Resp: 95490
Ion Ratio Lower Upper
82 100
128 38.7 29.7 44.5
54 47.7 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Tgt Ion: 164 Resp: 223464
Ion Ratio Lower Upper
164 100
162 98.4 81.2 121.8
160 44.1 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 8.367 ng

RT: 16.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

EB-4-0-2

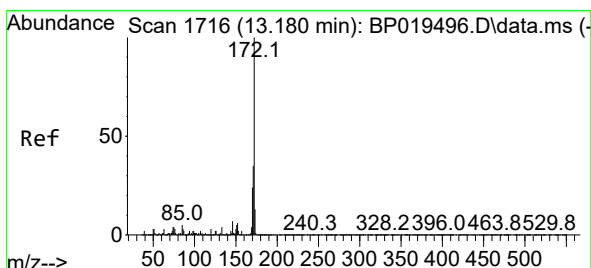
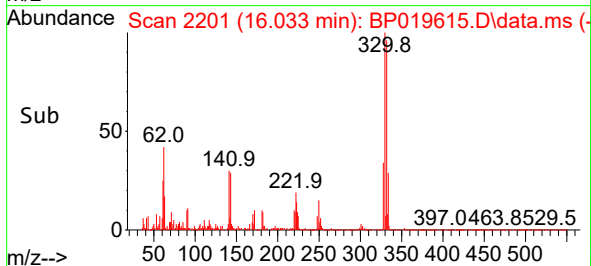
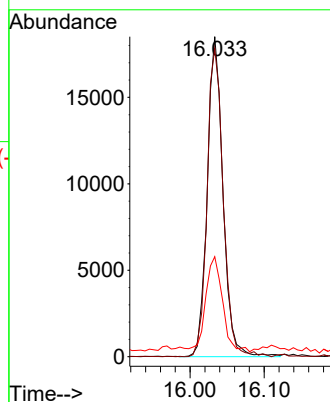
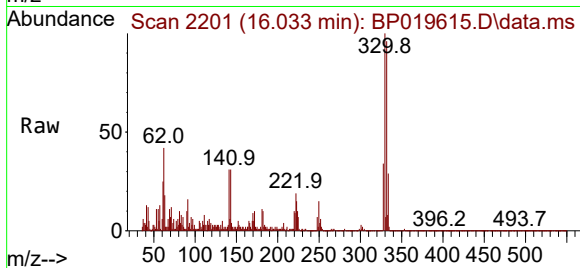
Tgt Ion:330 Resp: 27298

Ion Ratio Lower Upper

330 100

332 98.7 77.2 115.8

141 31.7 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 12.389 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.012 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

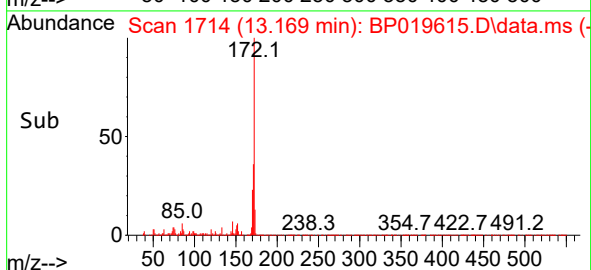
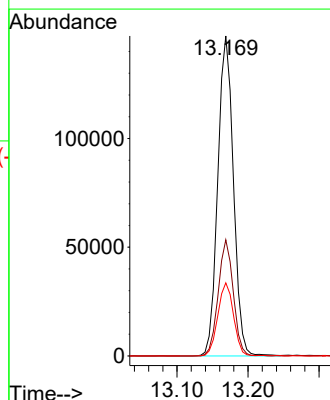
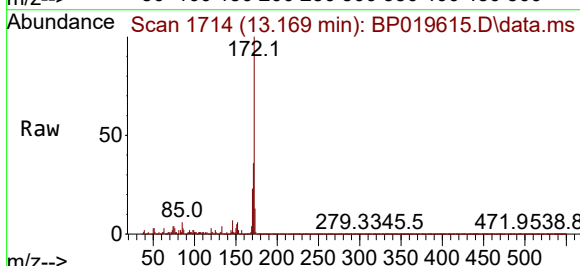
Tgt Ion:172 Resp: 223954

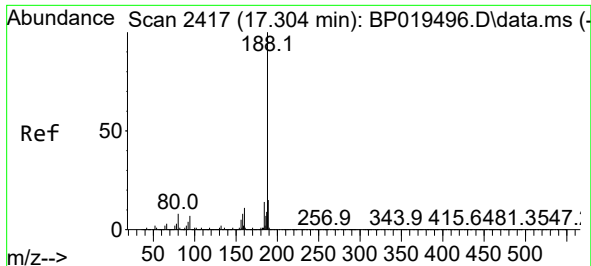
Ion Ratio Lower Upper

172 100

171 36.3 28.2 42.4

170 22.8 18.9 28.3

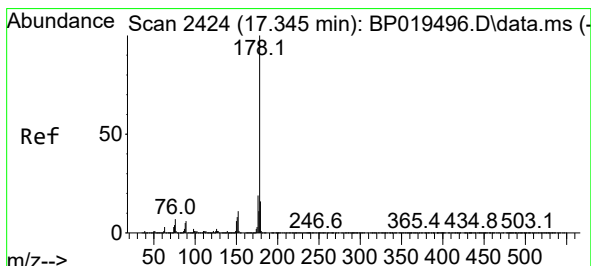
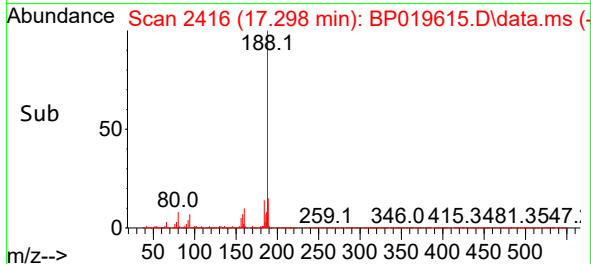
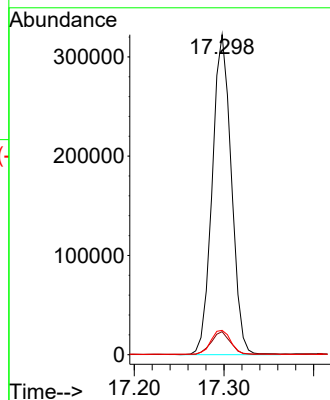
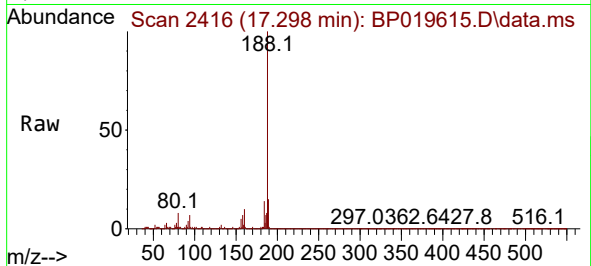




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

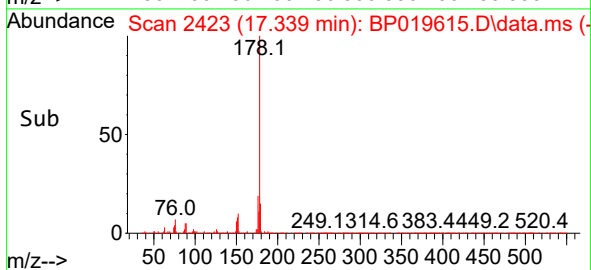
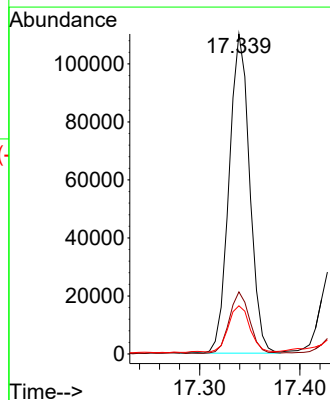
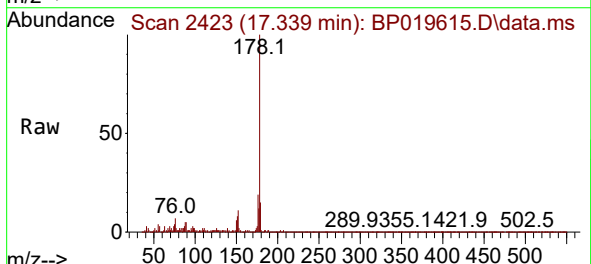
Instrument :
BNA_P
ClientSampleId :
EB-4-0-2

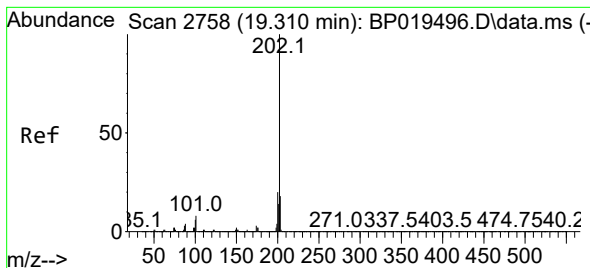
Tgt Ion:188 Resp: 476966
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 7.6 6.3 9.5



#71
Phenanthrene
Concen: 6.253 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP019615.D
Acq: 08 Feb 2024 18:53

Tgt Ion:178 Resp: 156966
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.1 12.6 19.0





#75

Fluoranthene

Concen: 10.088 ng

RT: 19.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

EB-4-0-2

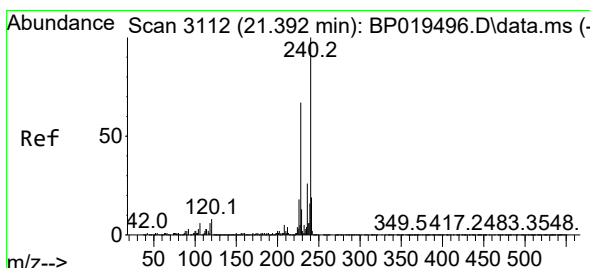
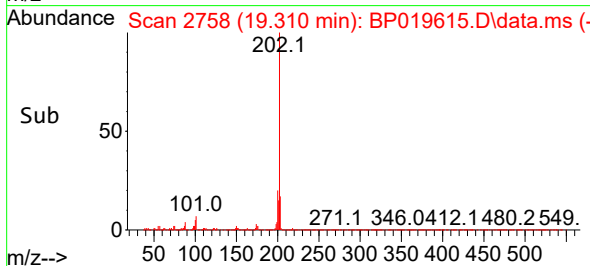
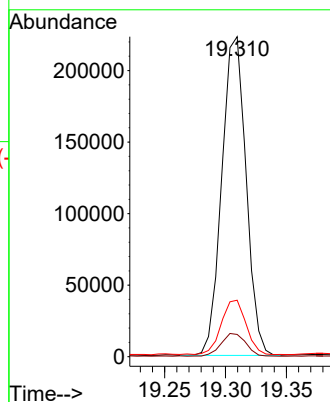
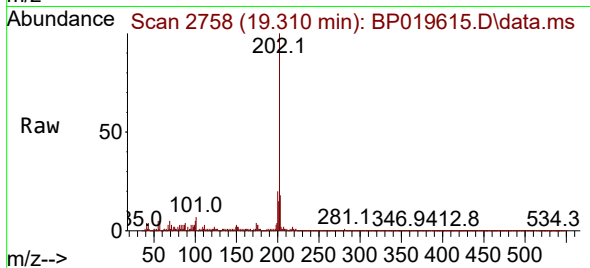
Tgt Ion:202 Resp: 309342

Ion Ratio Lower Upper

202 100

101 7.0 0.0 27.7

203 17.6 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: BP019615.D

Acq: 08 Feb 2024 18:53

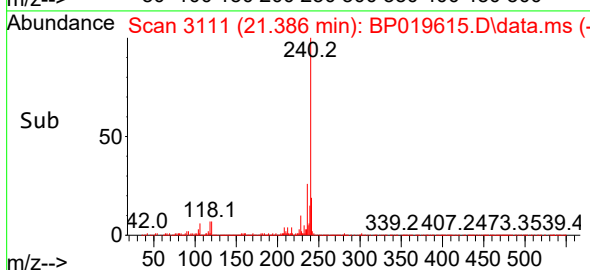
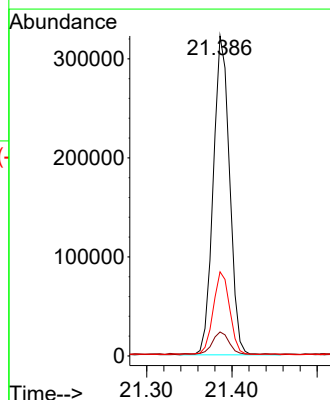
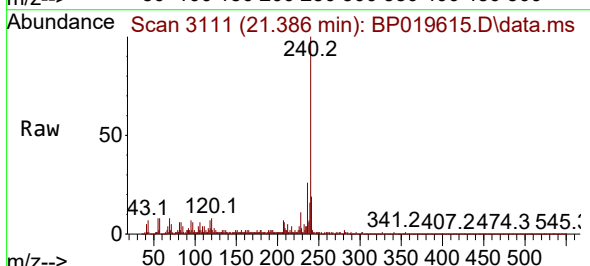
Tgt Ion:240 Resp: 429170

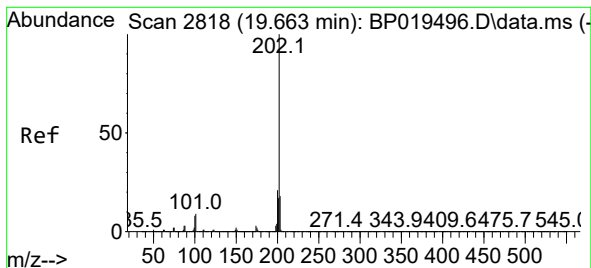
Ion Ratio Lower Upper

240 100

120 7.5 6.1 9.1

236 26.3 20.7 31.1





#78

Pyrene

Concen: 9.077 ng

RT: 19.657 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

EB-4-0-2

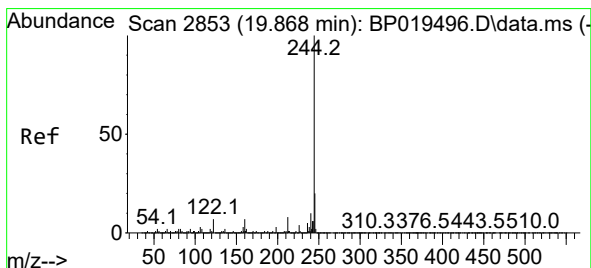
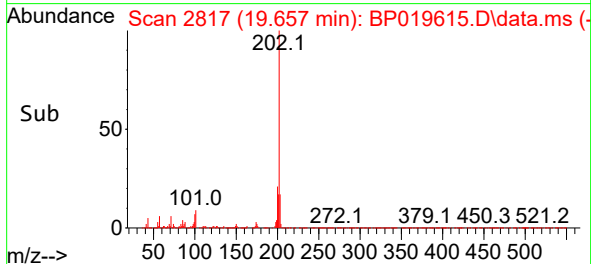
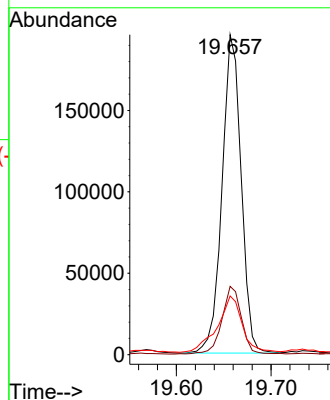
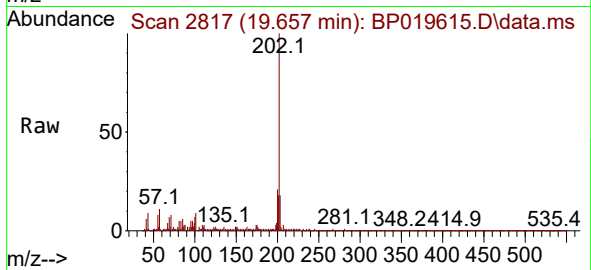
Tgt Ion:202 Resp: 274918

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

203 18.4 14.2 21.2



#79

Terphenyl-d14

Concen: 12.720 ng

RT: 19.863 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

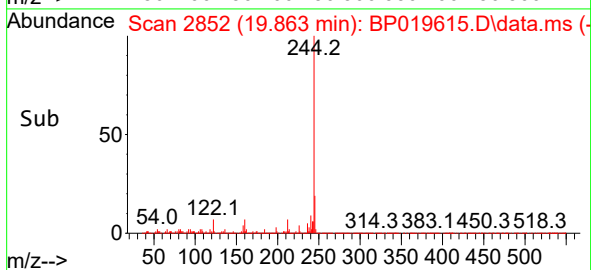
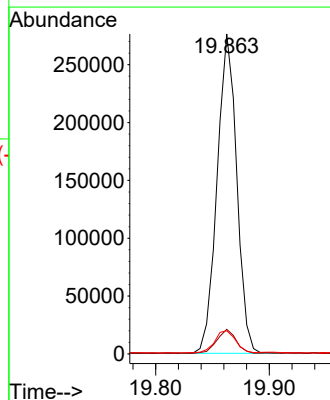
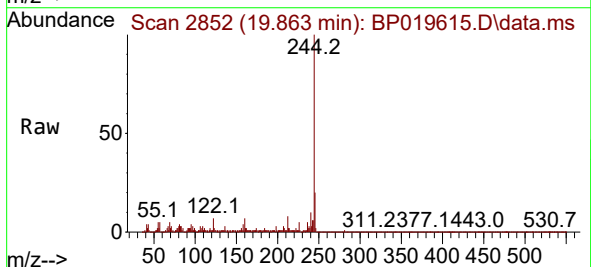
Tgt Ion:244 Resp: 331940

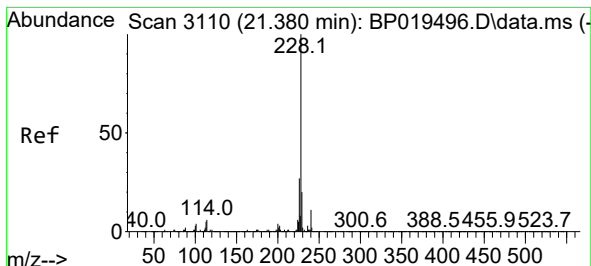
Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

122 7.2 5.9 8.9





#81

Benzo(a)anthracene

Concen: 4.488 ng

RT: 21.374 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

EB-4-0-2

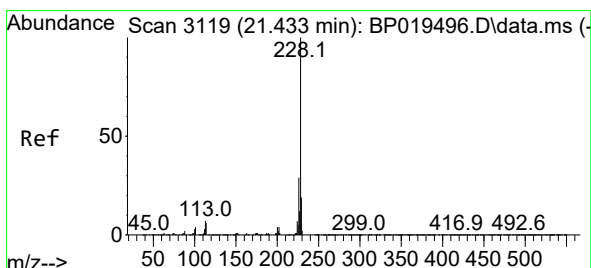
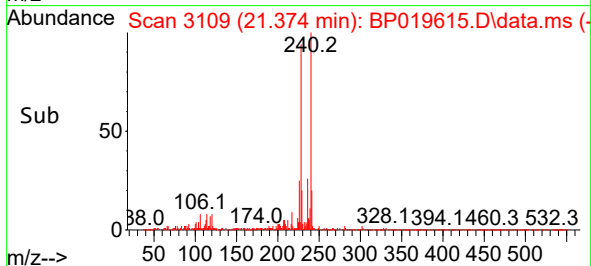
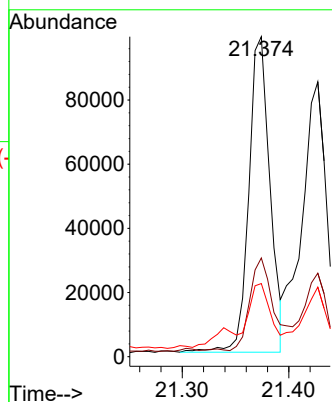
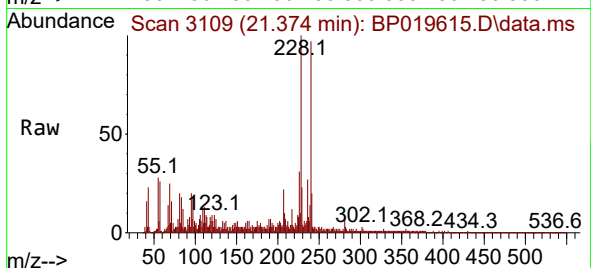
Tgt Ion:228 Resp: 135578

Ion Ratio Lower Upper

228 100

226 30.8 21.7 32.5

229 22.8 15.6 23.4



#83

Chrysene

Concen: 4.727 ng

RT: 21.374 min Scan# 3109

Delta R.T. -0.059 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

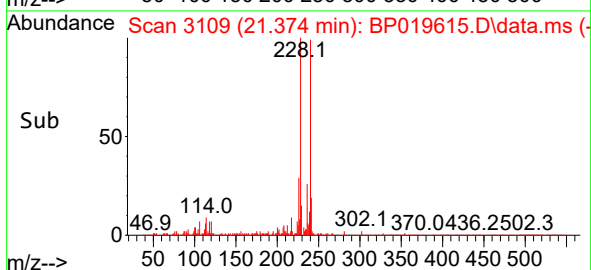
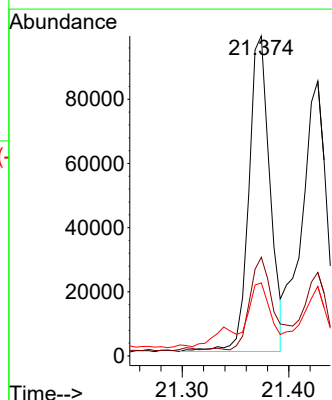
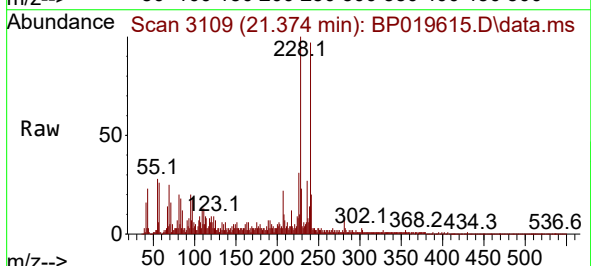
Tgt Ion:228 Resp: 135578

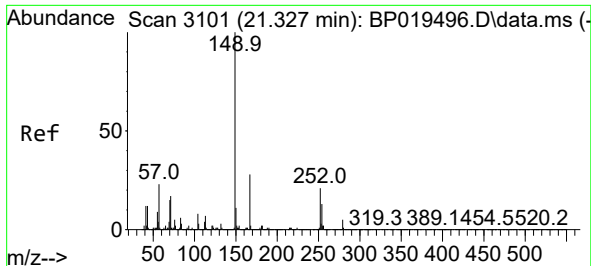
Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

229 22.8 15.6 23.4

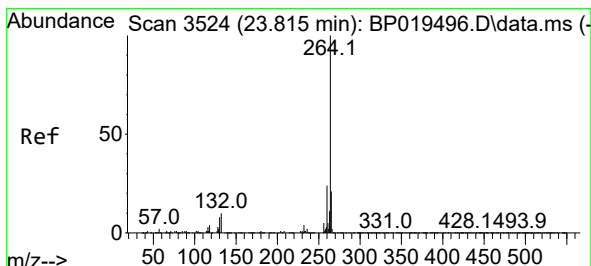
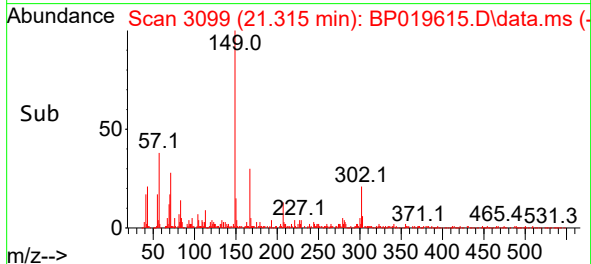
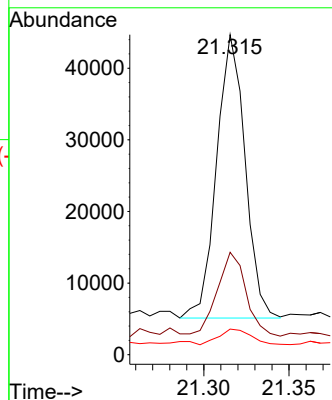
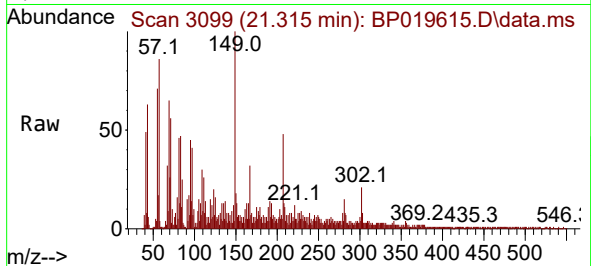




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.671 ng
 RT: 21.315 min Scan# 3099
 Delta R.T. -0.012 min
 Lab File: BP019615.D
 Acq: 08 Feb 2024 18:53

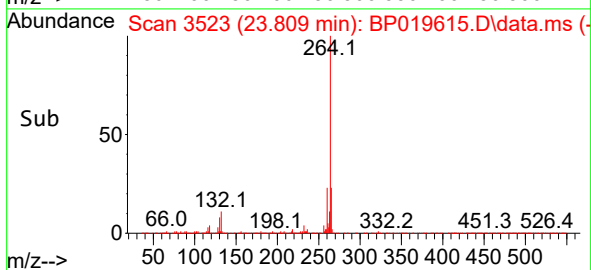
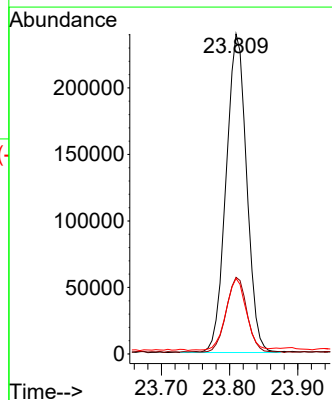
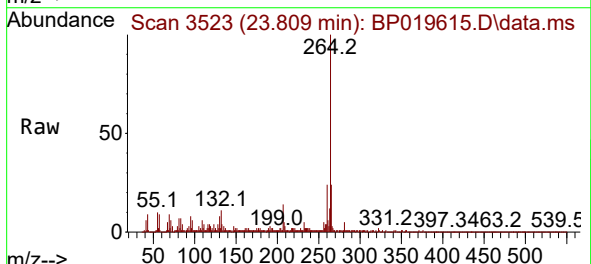
Instrument :
 BNA_P
 ClientSampleId :
 EB-4-0-2

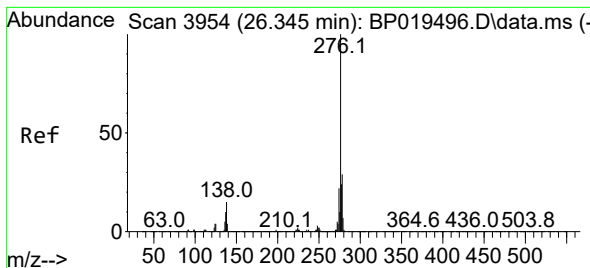
Tgt Ion:149 Resp: 45998
 Ion Ratio Lower Upper
 149 100
 167 32.0 22.7 34.1
 279 8.0 4.2 6.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.809 min Scan# 3523
 Delta R.T. -0.006 min
 Lab File: BP019615.D
 Acq: 08 Feb 2024 18:53

Tgt Ion:264 Resp: 502750
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 23.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.370 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.012 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

EB-4-0-2

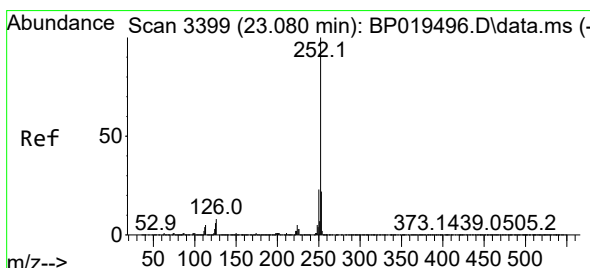
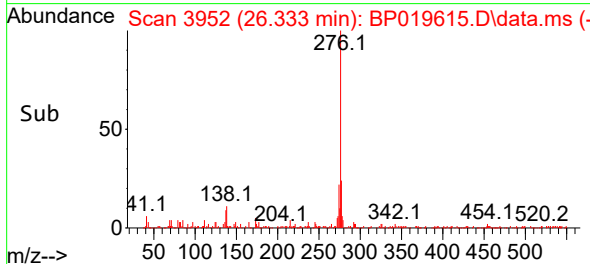
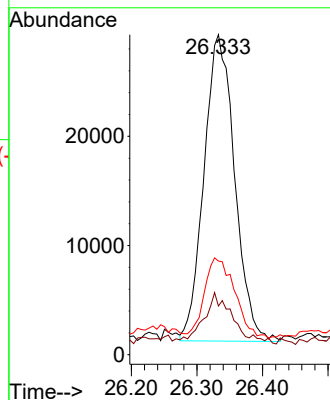
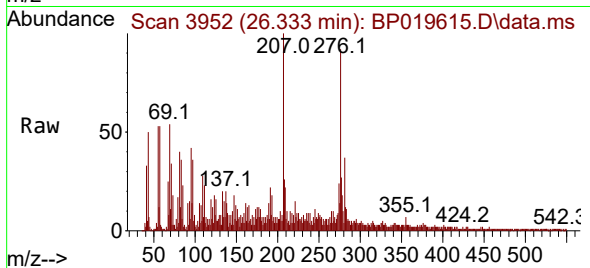
Tgt Ion:276 Resp: 91217

Ion Ratio Lower Upper

276 100

138 12.4 13.1 19.7#

277 25.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 7.463 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

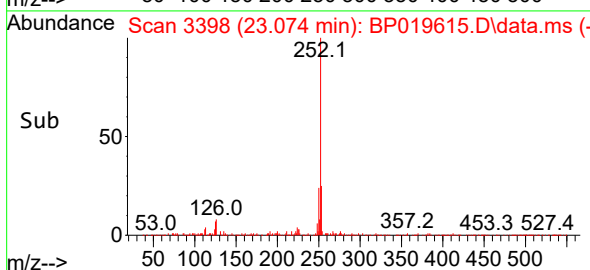
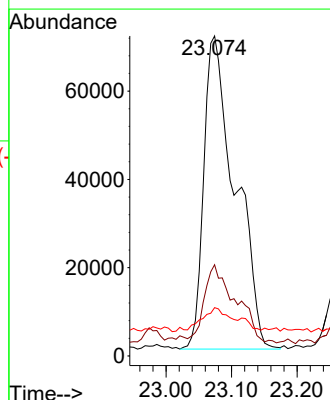
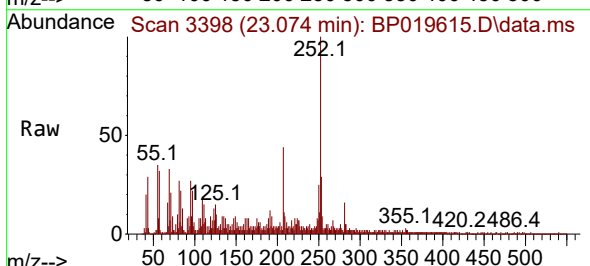
Tgt Ion:252 Resp: 236470

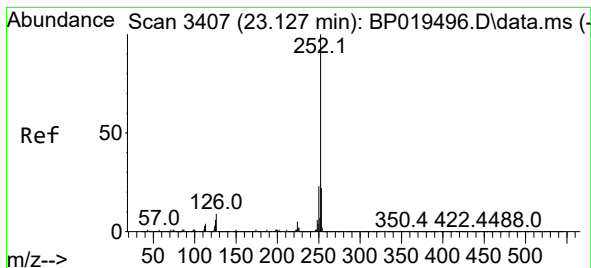
Ion Ratio Lower Upper

252 100

253 28.5 17.3 25.9#

125 15.1 4.9 7.3#





#89

Benzo(k)fluoranthene

Concen: 7.813 ng

RT: 23.074 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

EB-4-0-2

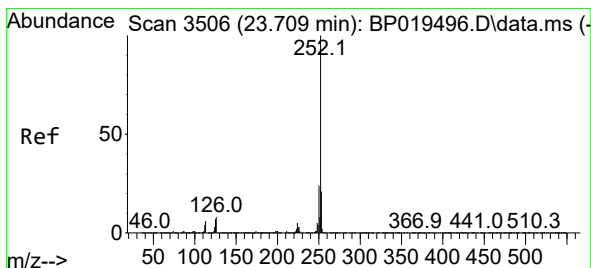
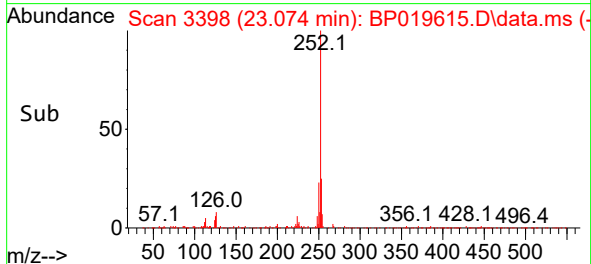
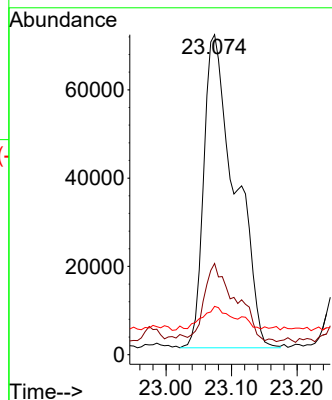
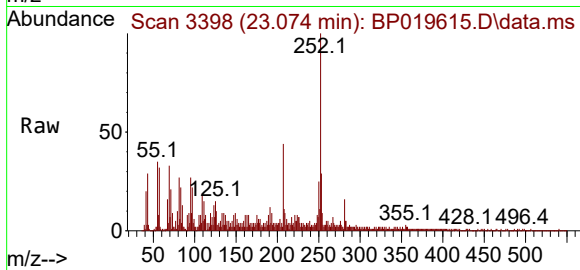
Tgt Ion:252 Resp: 236470

Ion Ratio Lower Upper

252 100

253 28.5 17.1 25.7#

125 15.1 5.0 7.6#



#90

Benzo(a)pyrene

Concen: 4.504 ng

RT: 23.698 min Scan# 3504

Delta R.T. -0.012 min

Lab File: BP019615.D

Acq: 08 Feb 2024 18:53

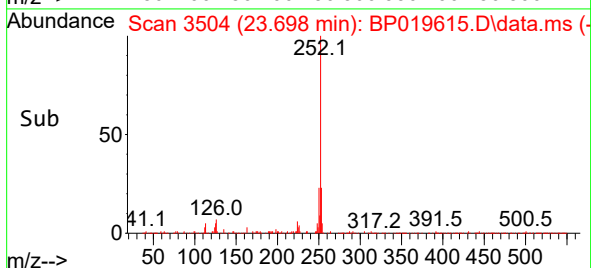
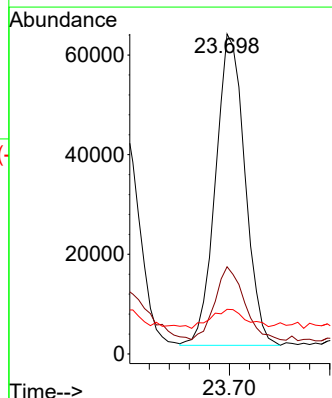
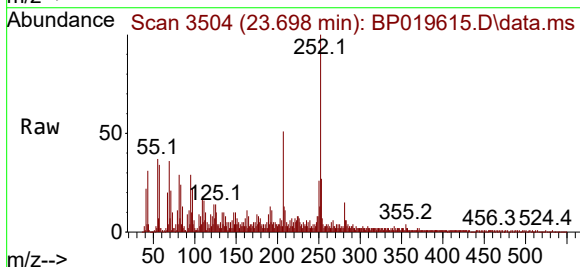
Tgt Ion:252 Resp: 126970

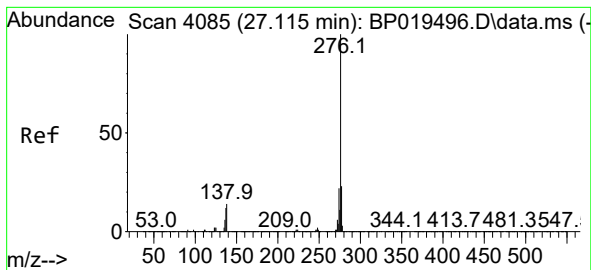
Ion Ratio Lower Upper

252 100

253 27.3 17.1 25.7#

125 14.0 5.6 8.4#





#92

Benzo(g,h,i)perylene

Concen: 2.947 ng

RT: 27.109 min Scan# 4084

Delta R.T. -0.006 min

Lab File: BP019615.D

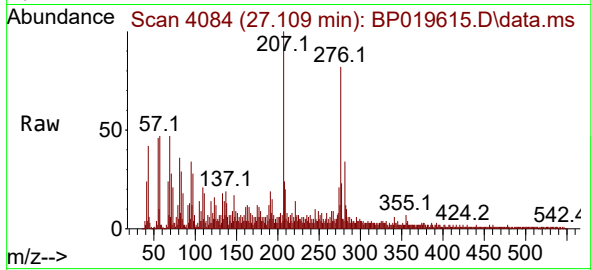
Acq: 08 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

EB-4-0-2



Tgt Ion: 276 Resp: 94624

Ion Ratio Lower Upper

276 100

277 27.9 18.6 28.0

138 15.4 10.9 16.3

