

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020924\
 Data File : BP019653.D
 Acq On : 10 Feb 2024 02:56
 Operator : MA/JU
 Sample : P1378-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4

Quant Time: Feb 10 03:30:19 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)

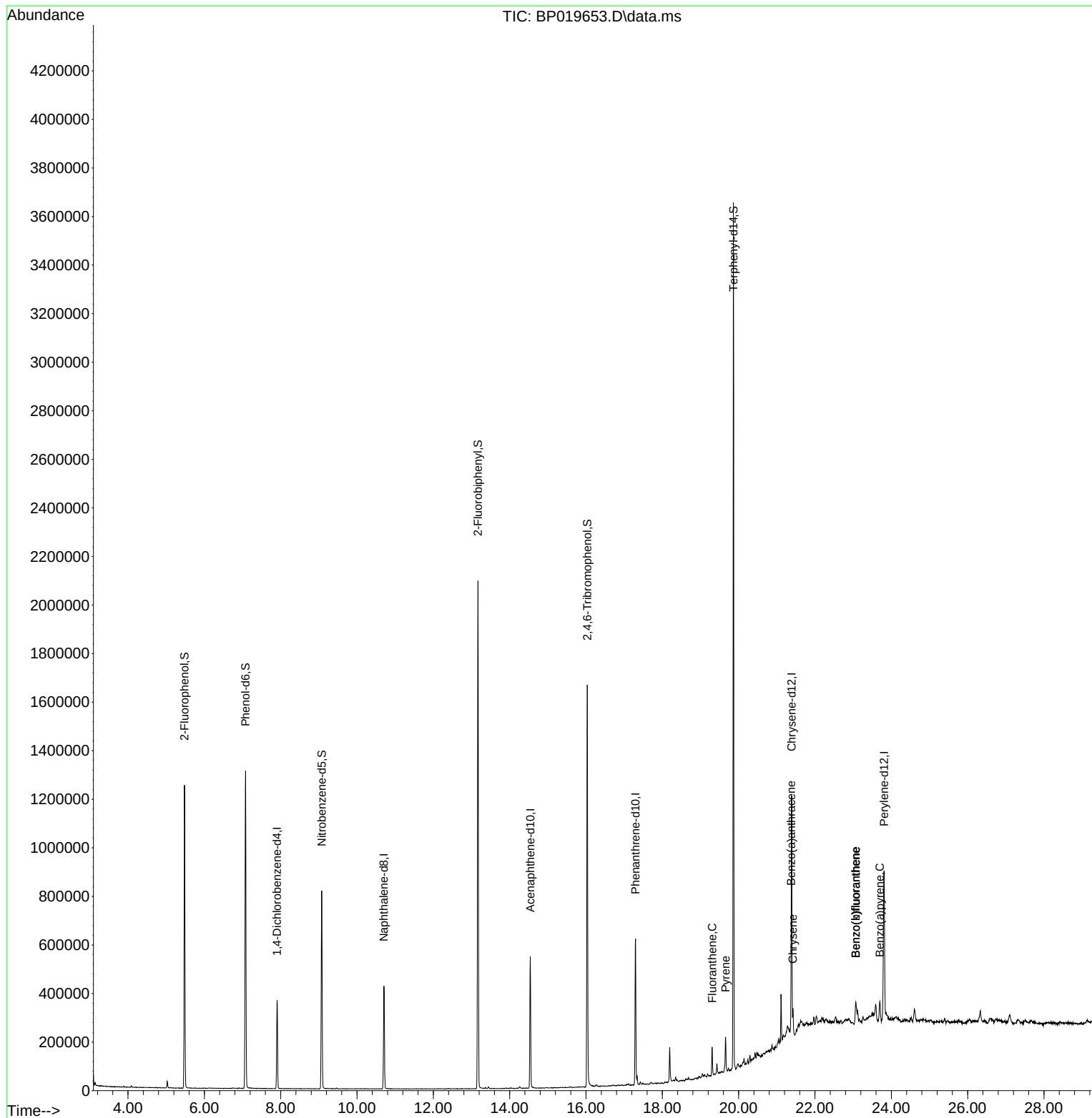
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	98604	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	349056	20.000	ng	-0.01
39) Acenaphthene-d10	14.539	164	191288	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	388038	20.000	ng	0.00
76) Chrysene-d12	21.386	240	457317	20.000	ng	0.00
86) Perylene-d12	23.809	264	553514	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	502488	82.144	ng	0.00
7) Phenol-d6	7.081	99	730793	88.601	ng	0.00
23) Nitrobenzene-d5	9.075	82	481878	59.820	ng	-0.01
42) 2,4,6-Tribromophenol	16.033	330	337063	120.684	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1091558	70.544	ng	-0.01
79) Terphenyl-d14	19.862	244	1773294	63.769	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.304	202	66231	2.655	ng	99
78) Pyrene	19.657	202	90726	2.811	ng	99
81) Benzo(a)anthracene	21.374	228	66024	2.051	ng	95
83) Chrysene	21.421	228	63791	2.087	ng	95
88) Benzo(b)fluoranthene	23.068	252	116247	3.332	ng	98
89) Benzo(k)fluoranthene	23.068	252	116247	3.488	ng	98
90) Benzo(a)pyrene	23.698	252	73992	2.384	ng	93

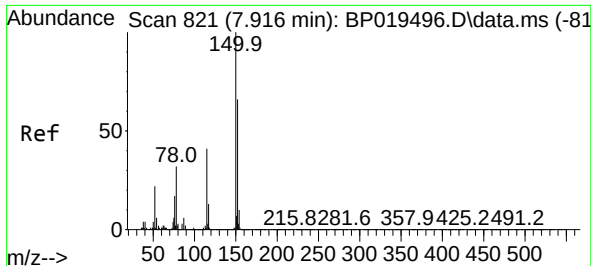
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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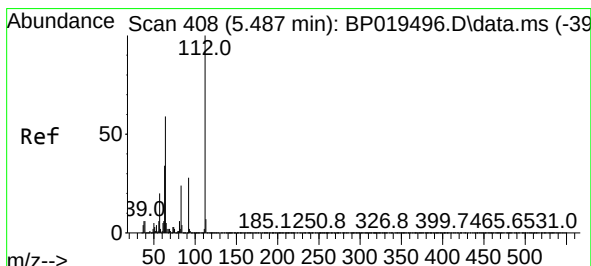
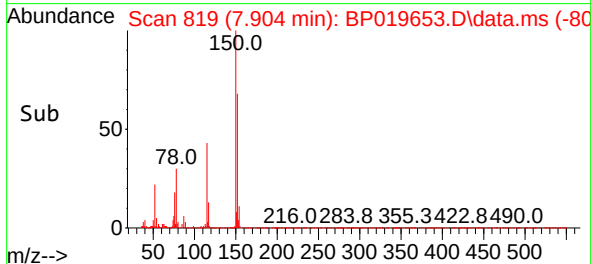
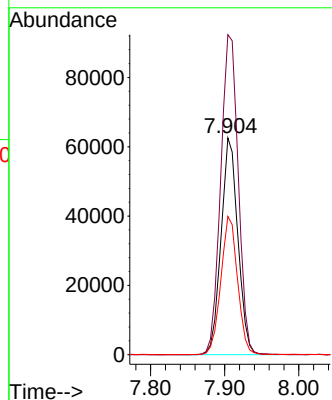
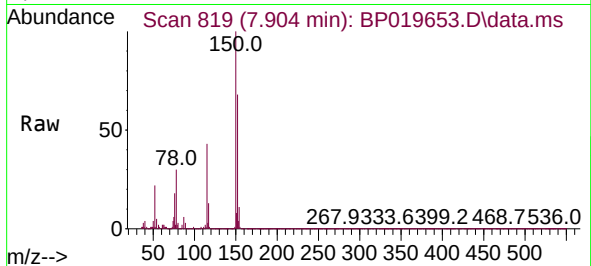




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

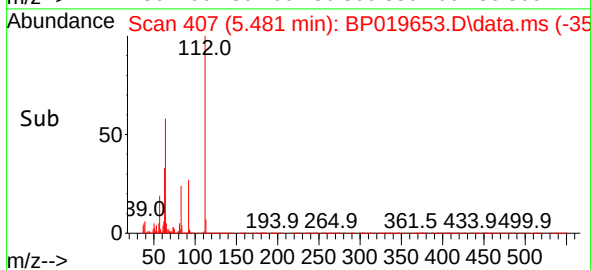
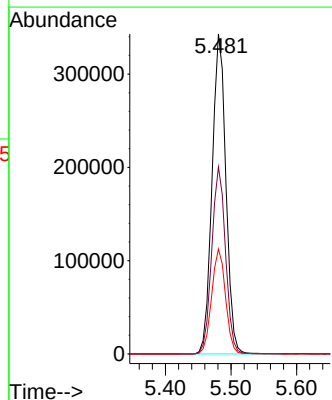
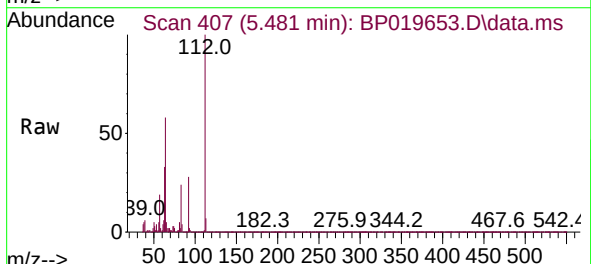
Instrument :
BNA_P
ClientSampleId :
TP-4

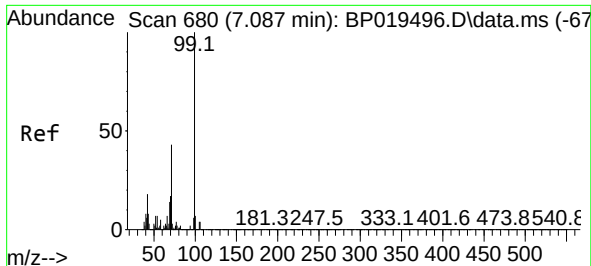
Tgt Ion:152 Resp: 98604
Ion Ratio Lower Upper
152 100
150 147.6 121.8 182.8
115 63.8 49.9 74.9



#5
2-Fluorophenol
Concen: 82.144 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion:112 Resp: 502488
Ion Ratio Lower Upper
112 100
64 58.5 47.4 71.0
63 32.8 27.0 40.6

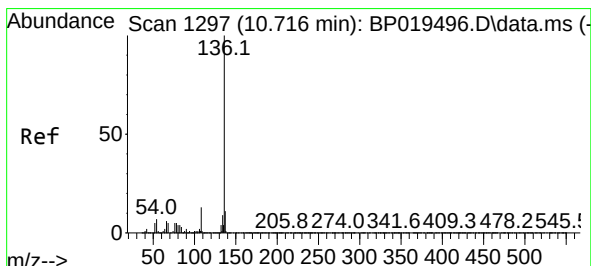
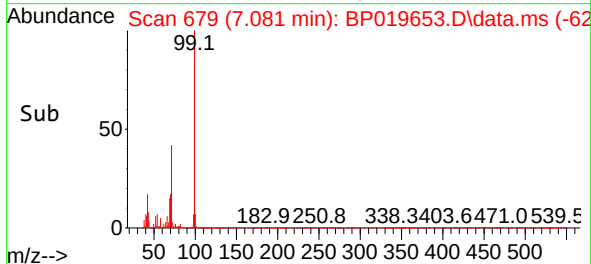
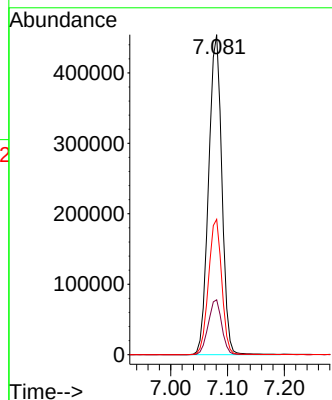
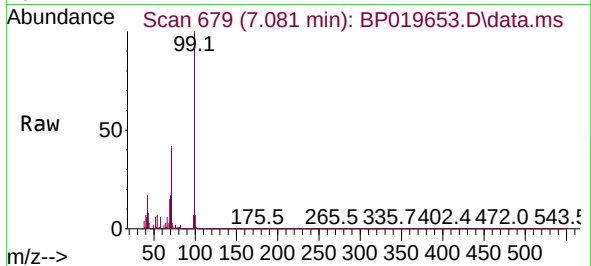




#7
Phenol-d6
Concen: 88.601 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

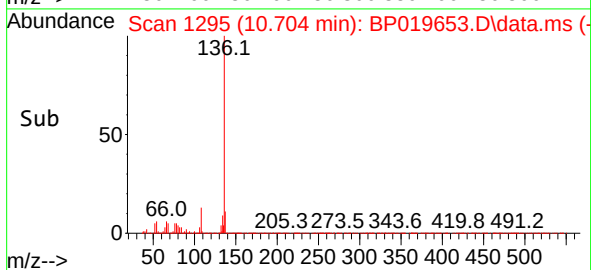
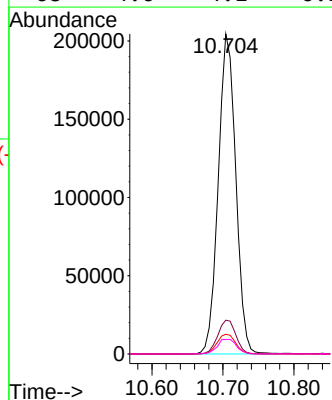
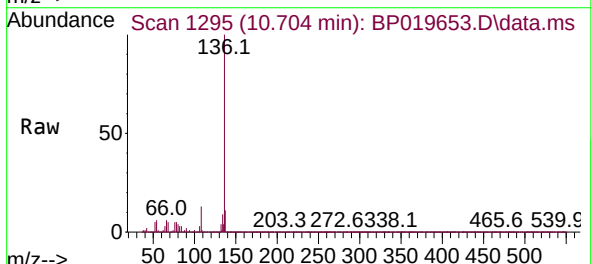
Instrument :
BNA_P
ClientSampleId :
TP-4

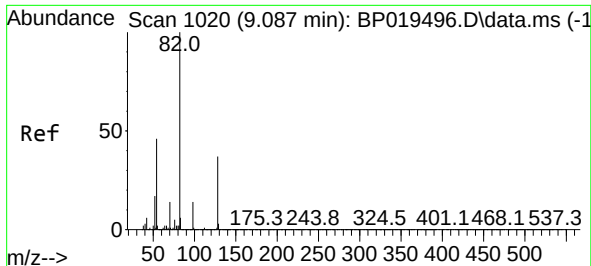
Tgt Ion: 99 Resp: 730793
Ion Ratio Lower Upper
99 100
42 17.1 14.7 22.1
71 42.3 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion: 136 Resp: 349056
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.1 5.3 7.9
68 4.6 4.1 6.1

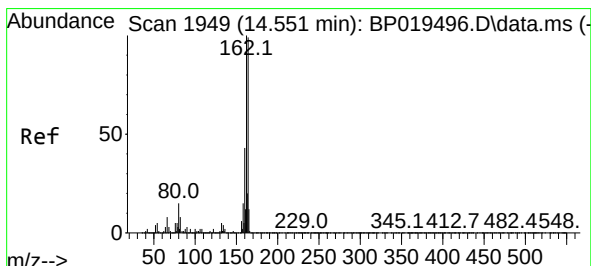
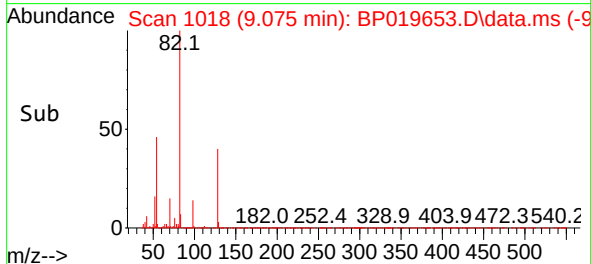
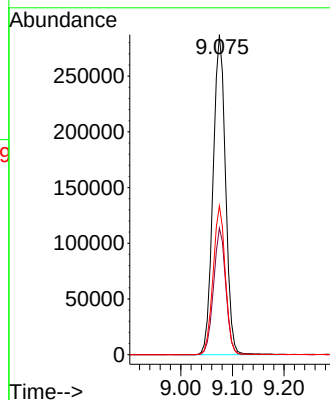
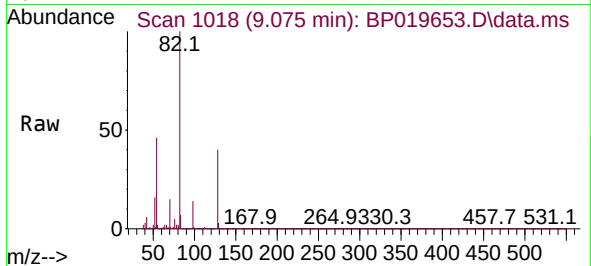




#23
Nitrobenzene-d5
Concen: 59.820 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

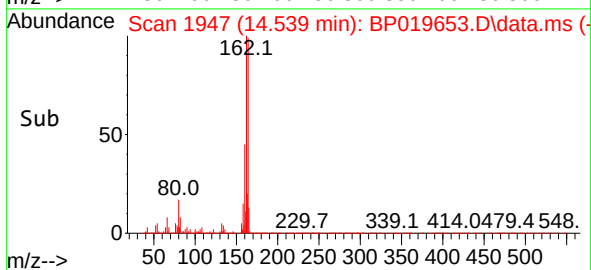
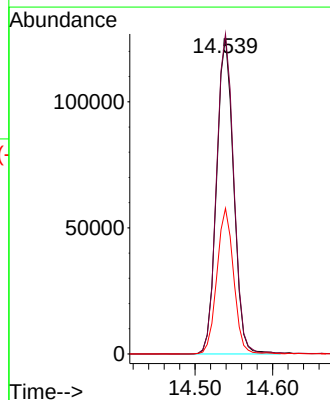
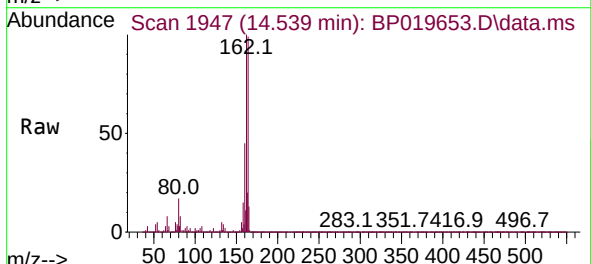
Instrument :
BNA_P
ClientSampleId :
TP-4

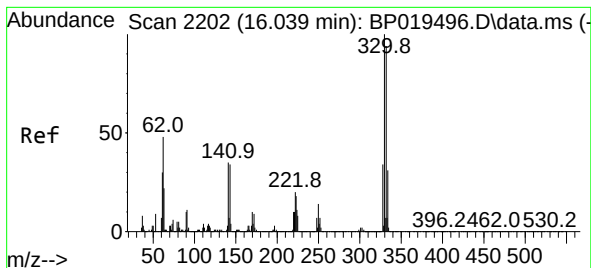
Tgt Ion: 82 Resp: 481878
Ion Ratio Lower Upper
82 100
128 39.6 29.7 44.5
54 46.5 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion: 164 Resp: 191288
Ion Ratio Lower Upper
164 100
162 101.0 81.2 121.8
160 45.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 120.684 ng

RT: 16.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019653.D

Acq: 10 Feb 2024 02:56

Instrument :

BNA_P

ClientSampleId :

TP-4

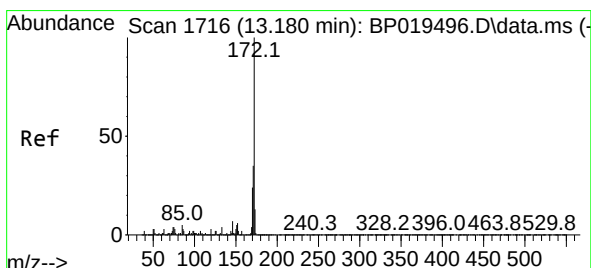
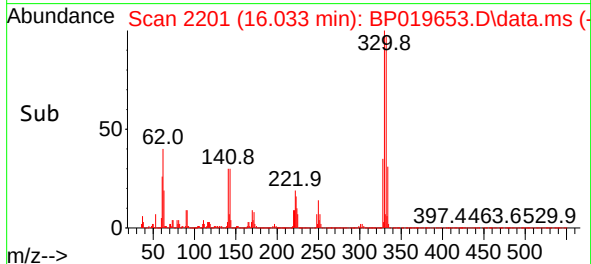
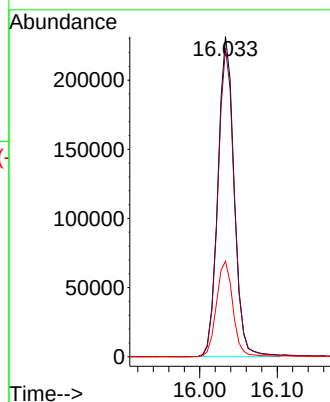
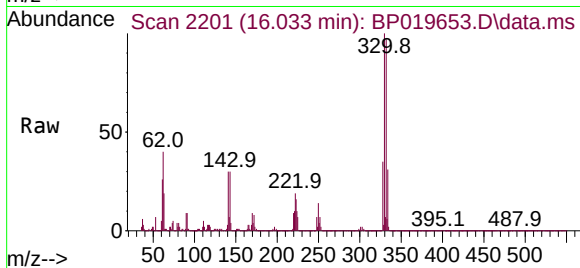
Tgt Ion:330 Resp: 337063

Ion Ratio Lower Upper

330 100

332 97.8 77.2 115.8

141 30.3 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 70.544 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.012 min

Lab File: BP019653.D

Acq: 10 Feb 2024 02:56

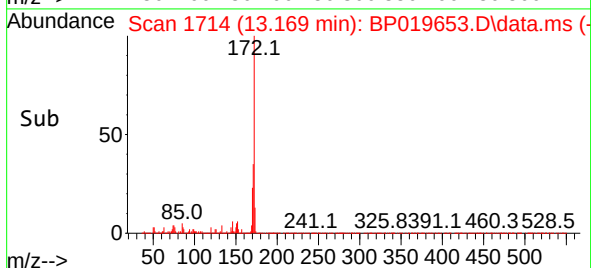
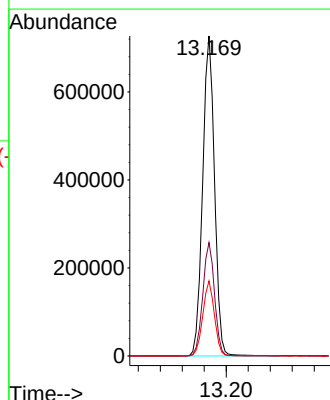
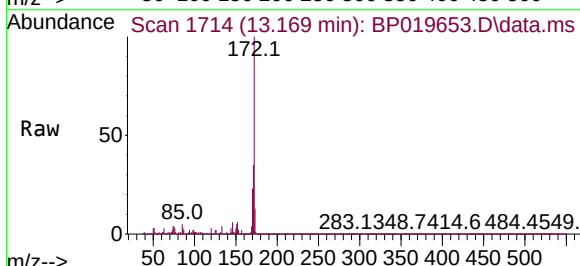
Tgt Ion:172 Resp: 1091558

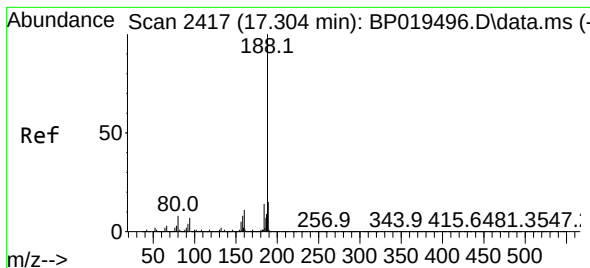
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.4 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: BP019653.D

Acq: 10 Feb 2024 02:56

Instrument :

BNA_P

ClientSampleId :

TP-4

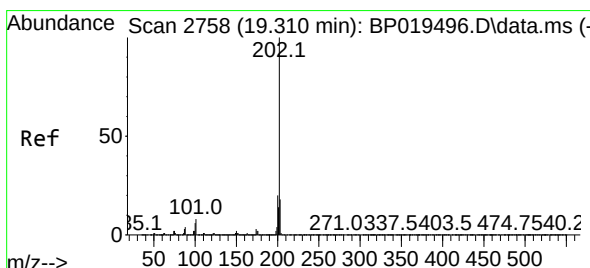
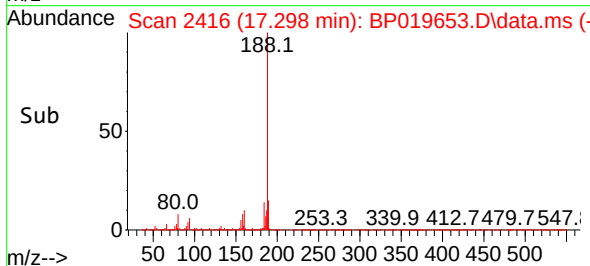
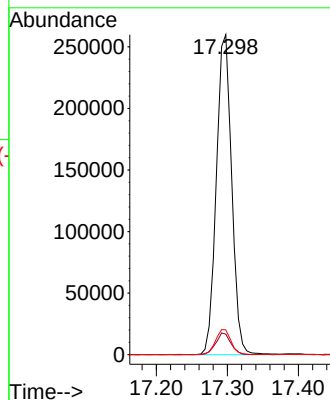
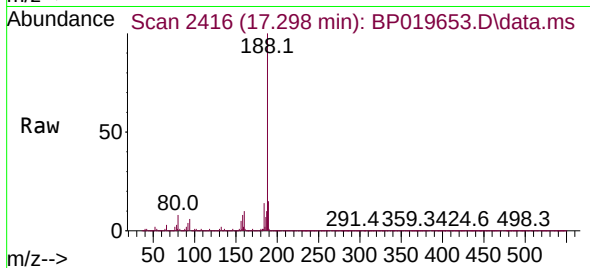
Tgt Ion:188 Resp: 388038

Ion Ratio Lower Upper

188 100

94 6.4 5.4 8.2

80 7.8 6.3 9.5



#75

Fluoranthene

Concen: 2.655 ng

RT: 19.304 min Scan# 2757

Delta R.T. -0.006 min

Lab File: BP019653.D

Acq: 10 Feb 2024 02:56

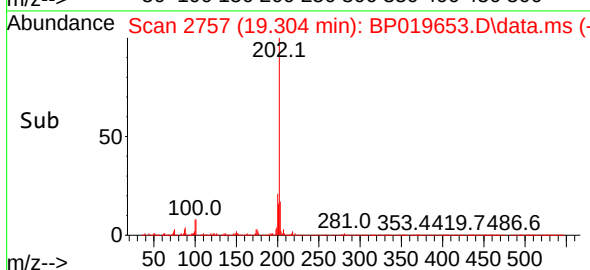
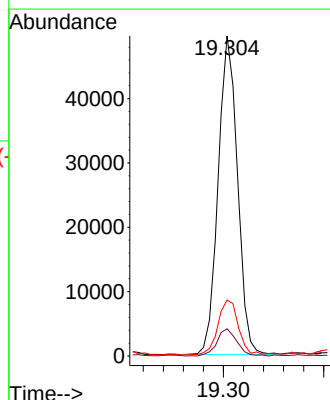
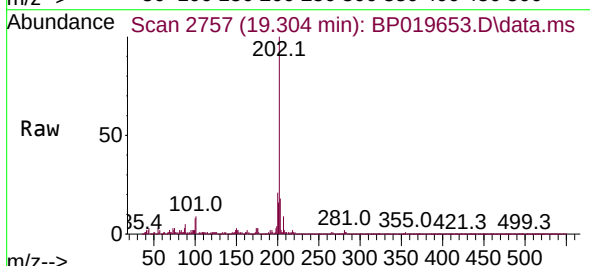
Tgt Ion:202 Resp: 66231

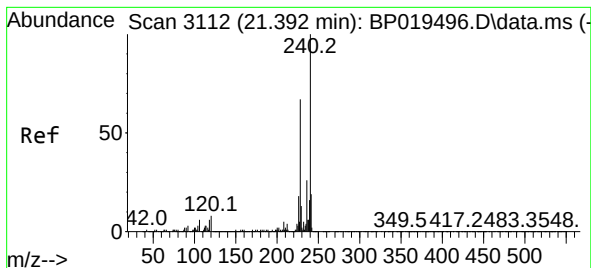
Ion Ratio Lower Upper

202 100

101 8.5 0.0 27.7

203 17.5 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: BP019653.D

Acq: 10 Feb 2024 02:56

Instrument :

BNA_P

ClientSampleId :

TP-4

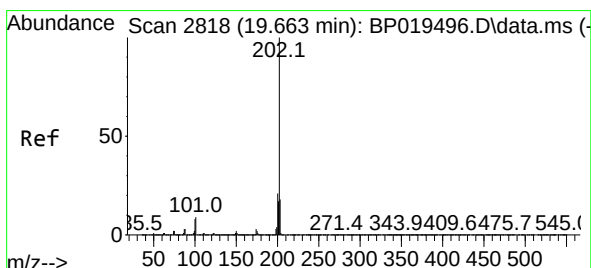
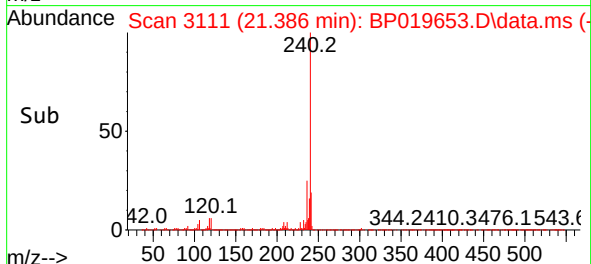
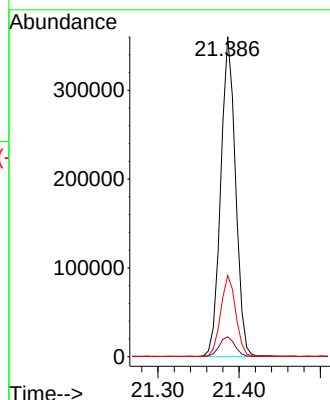
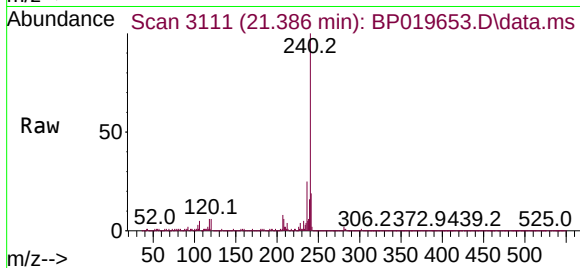
Tgt Ion:240 Resp: 457317

Ion Ratio Lower Upper

240 100

120 6.2 6.1 9.1

236 25.3 20.7 31.1



#78

Pyrene

Concen: 2.811 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019653.D

Acq: 10 Feb 2024 02:56

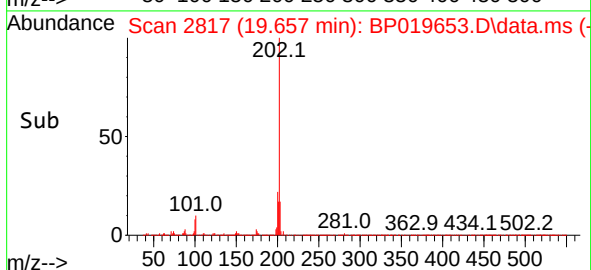
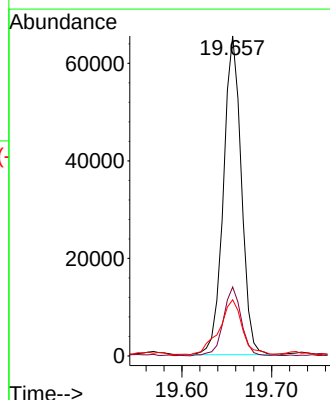
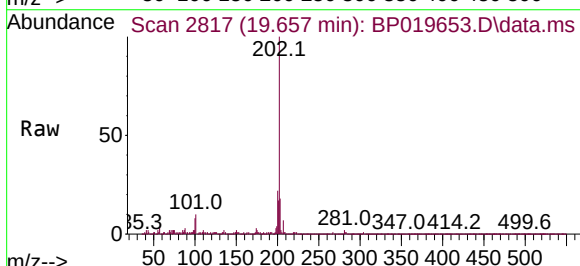
Tgt Ion:202 Resp: 90726

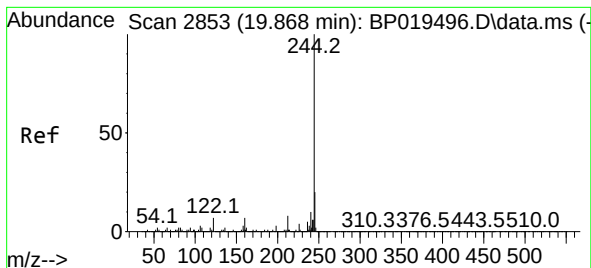
Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 63.769 ng

RT: 19.862 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019653.D

Acq: 10 Feb 2024 02:56

Instrument :

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ClientSampleId :

TP-4

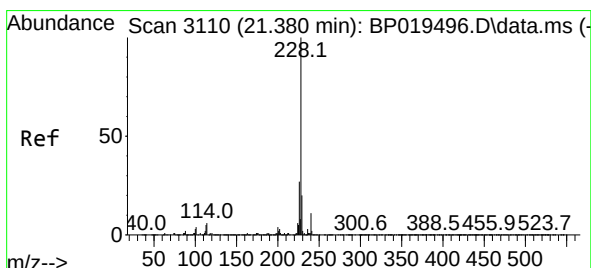
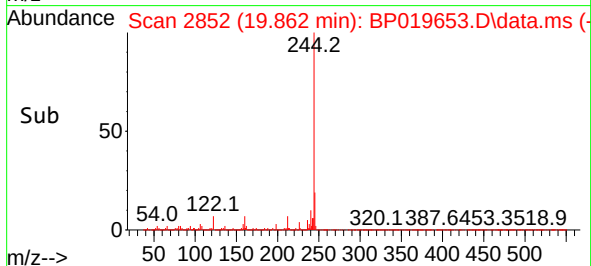
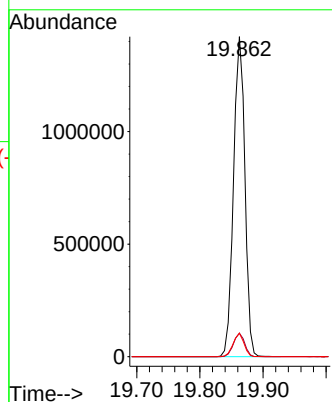
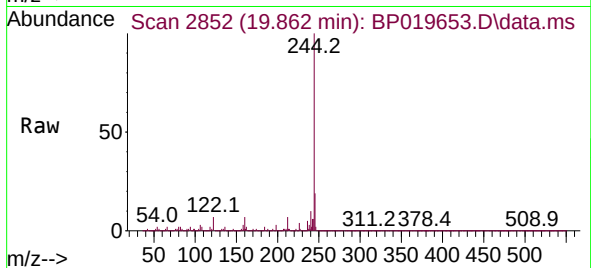
Tgt Ion:244 Resp: 1773294

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 7.3 5.9 8.9



#81

Benzo(a)anthracene

Concen: 2.051 ng

RT: 21.374 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP019653.D

Acq: 10 Feb 2024 02:56

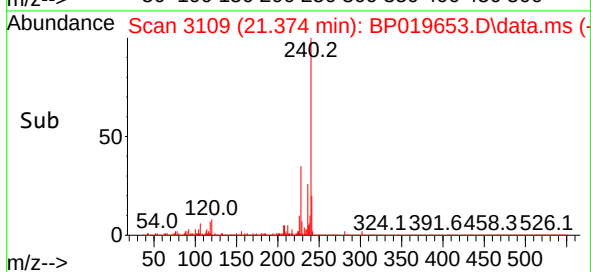
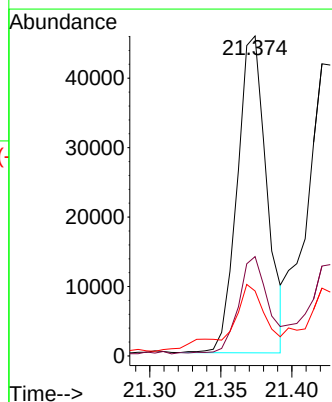
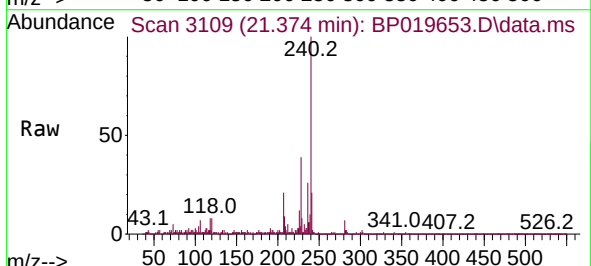
Tgt Ion:228 Resp: 66024

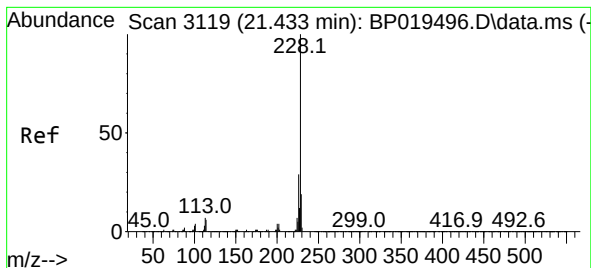
Ion Ratio Lower Upper

228 100

226 31.0 21.7 32.5

229 20.3 15.6 23.4





#83

Chrysene

Concen: 2.087 ng

RT: 21.421 min Scan# 3119

Delta R.T. -0.012 min

Lab File: BP019653.D

Acq: 10 Feb 2024 02:56

Instrument :

BNA_P

ClientSampleId :

TP-4

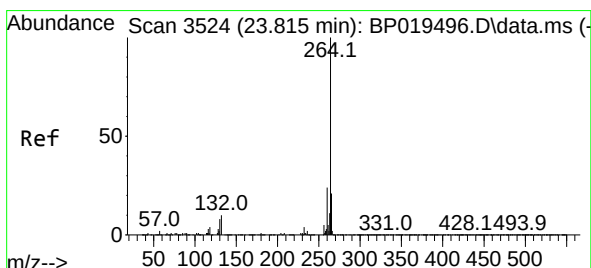
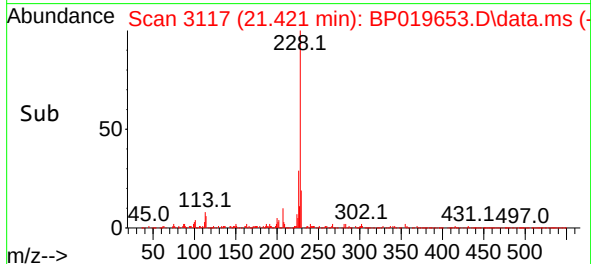
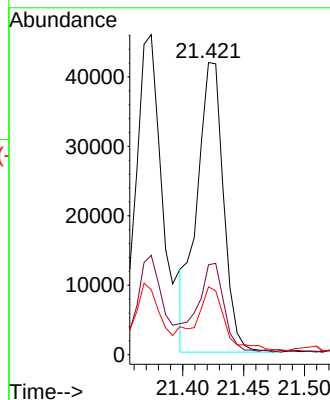
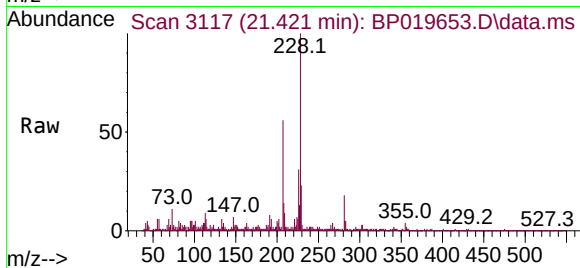
Tgt Ion:228 Resp: 63791

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

229 23.2 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.809 min Scan# 3523

Delta R.T. -0.006 min

Lab File: BP019653.D

Acq: 10 Feb 2024 02:56

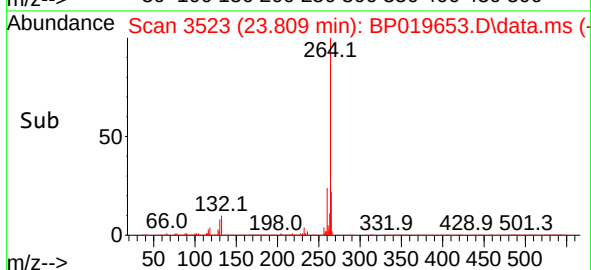
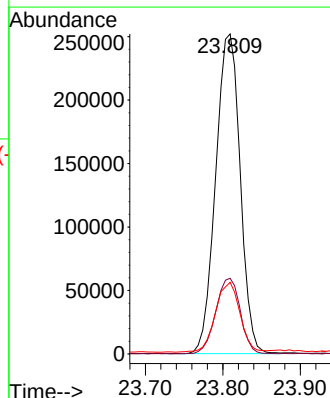
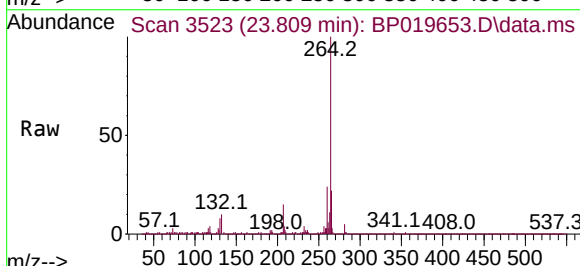
Tgt Ion:264 Resp: 553514

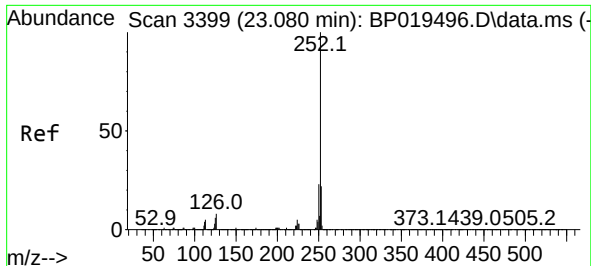
Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.4 17.0 25.4

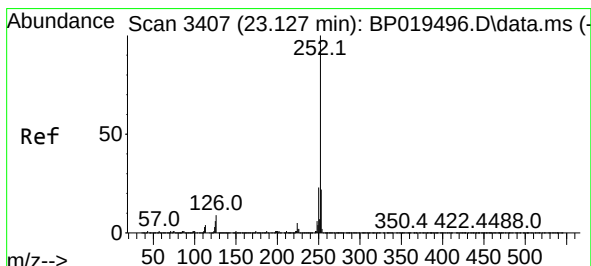
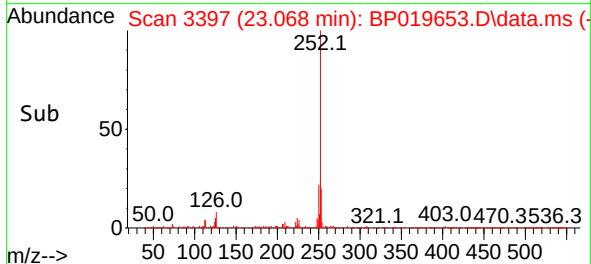
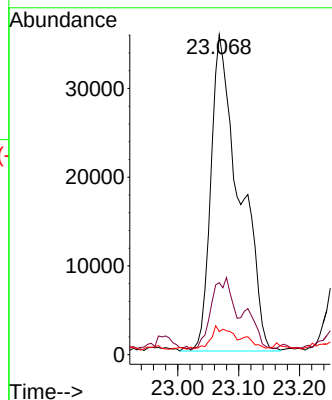
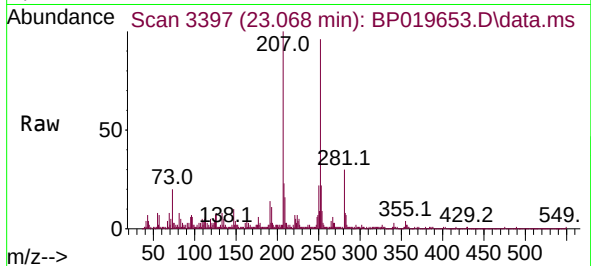




#88
Benzo(b)fluoranthene
Concen: 3.332 ng
RT: 23.068 min Scan# 3397
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

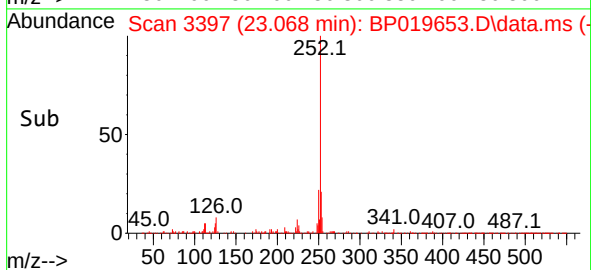
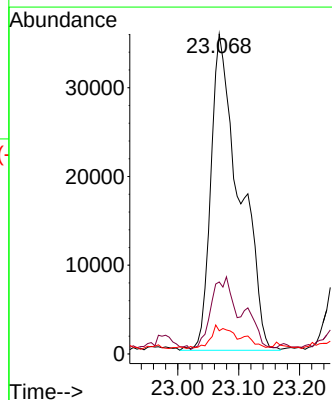
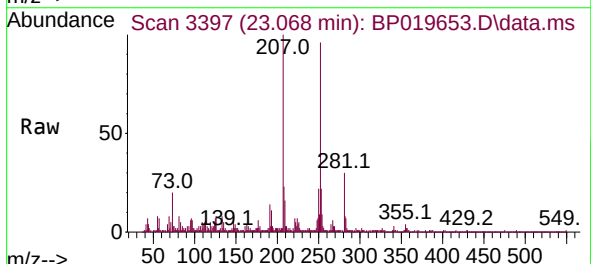
Instrument :
BNA_P
ClientSampleId :
TP-4

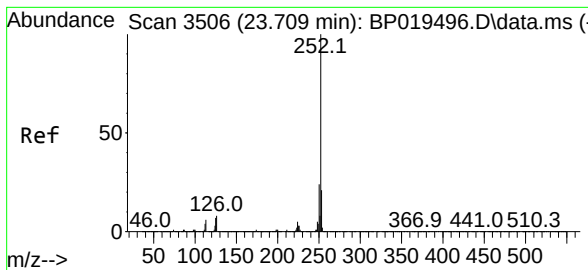
Tgt Ion:252 Resp: 116247
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 7.2 4.9 7.3



#89
Benzo(k)fluoranthene
Concen: 3.488 ng
RT: 23.068 min Scan# 3397
Delta R.T. -0.059 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion:252 Resp: 116247
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 7.2 5.0 7.6





#90
 Benzo(a)pyrene
 Concen: 2.384 ng
 RT: 23.698 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BP019653.D
 Acq: 10 Feb 2024 02:56

Instrument :
 BNA_P
 ClientSampleId :
 TP-4

Tgt Ion:	252	Resp:	73992
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.1	25.7
125	8.3	5.6	8.4

