

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022124\
 Data File : BP019812.D
 Acq On : 21 Feb 2024 17:28
 Operator : MA/JU
 Sample : P1537-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 4

Quant Time: Feb 21 17:52:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 19 23:35:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

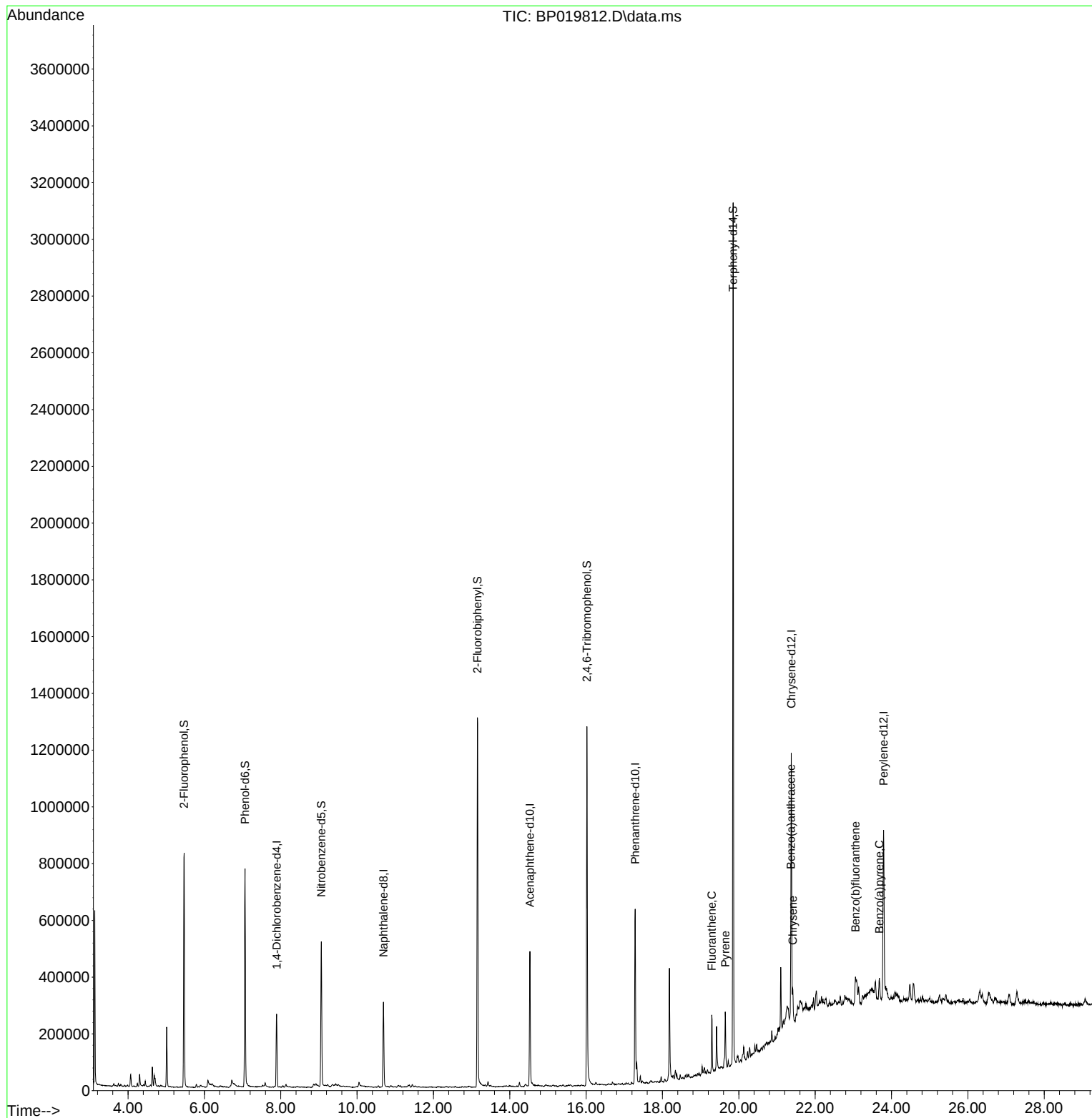
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	70928	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	253173	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	174643	20.000	ng	-0.01
64) Phenanthrene-d10	17.287	188	424499	20.000	ng	0.00
76) Chrysene-d12	21.375	240	457732	20.000	ng	-0.02
86) Perylene-d12	23.792	264	522309	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	344033	78.186	ng	0.00
7) Phenol-d6	7.064	99	429772	72.436	ng	0.00
23) Nitrobenzene-d5	9.063	82	309329	52.943	ng	0.00
42) 2,4,6-Tribromophenol	16.022	330	282372	110.738	ng	-0.01
45) 2-Fluorobiphenyl	13.152	172	738462	52.273	ng	-0.01
79) Terphenyl-d14	19.851	244	1530155	54.976	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	19.292	202	117518	4.306	ng	99
78) Pyrene	19.645	202	120047	3.716	ng	99
81) Benzo(a)anthracene	21.363	228	82835	2.571	ng	92
83) Chrysene	21.416	228	71471	2.336	ng	97
88) Benzo(b)fluoranthene	23.057	252	101009	3.068	ng	# 95
90) Benzo(a)pyrene	23.680	252	72563	2.477	ng	95

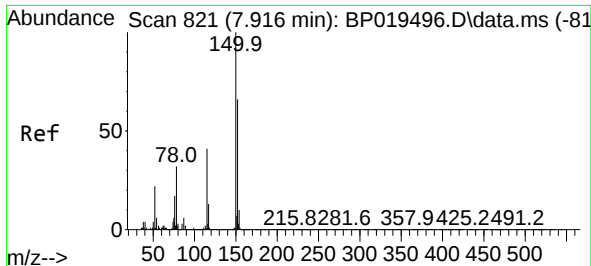
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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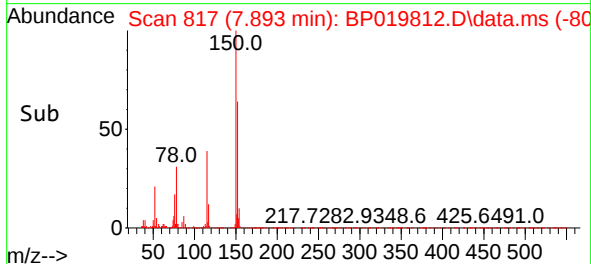
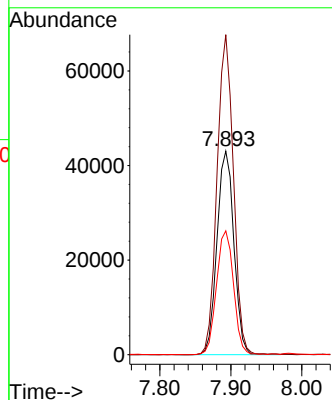
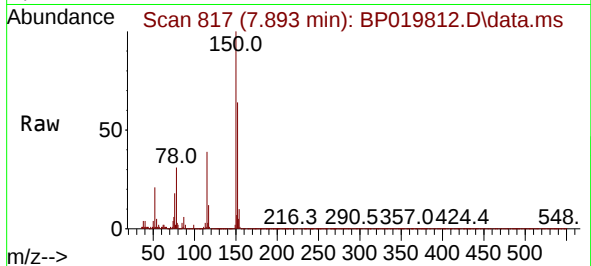




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019812.D
Acq: 21 Feb 2024 17:28

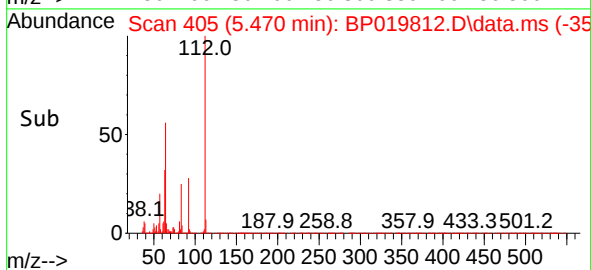
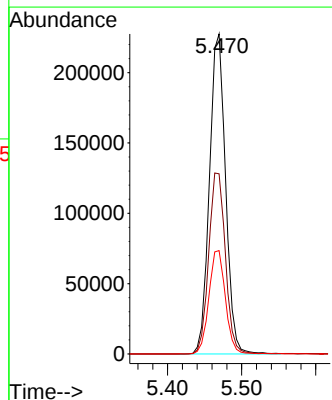
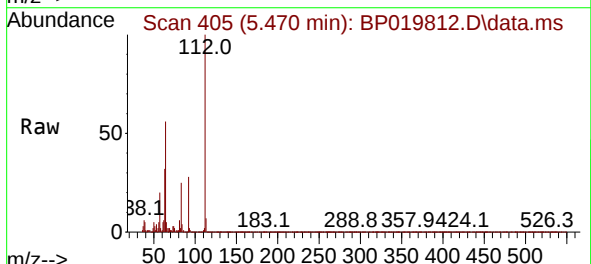
Instrument :
BNA_P
ClientSampleId :
4

Tgt Ion:152 Resp: 70928
Ion Ratio Lower Upper
152 100
150 157.3 121.8 182.8
115 60.8 49.9 74.9



#5
2-Fluorophenol
Concen: 78.186 ng
RT: 5.470 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019812.D
Acq: 21 Feb 2024 17:28

Tgt Ion:112 Resp: 344033
Ion Ratio Lower Upper
112 100
64 56.3 47.4 71.0
63 32.3 27.0 40.6

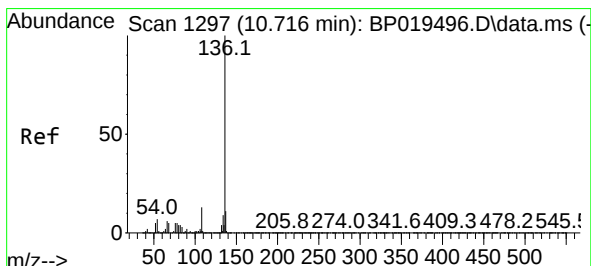
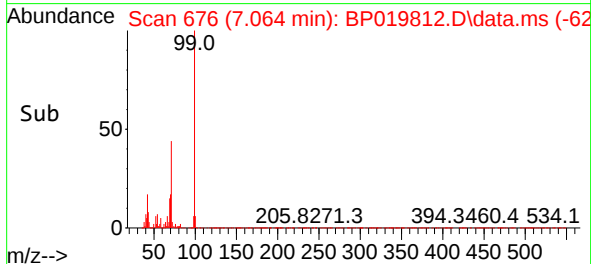
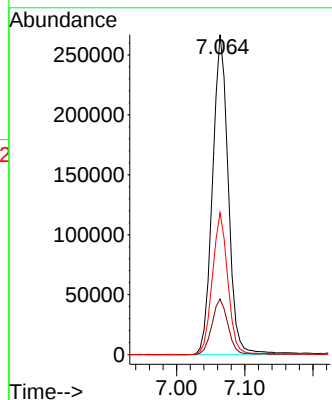
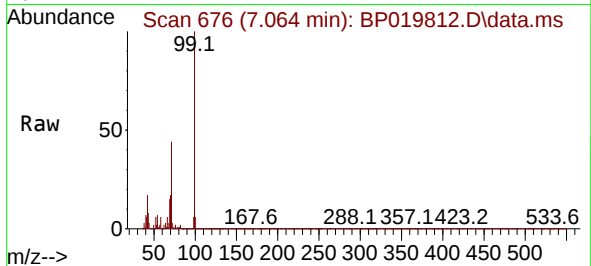




#7
Phenol-d6
Concen: 72.436 ng
RT: 7.064 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019812.D
Acq: 21 Feb 2024 17:28

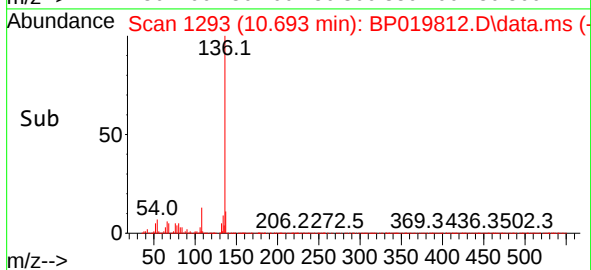
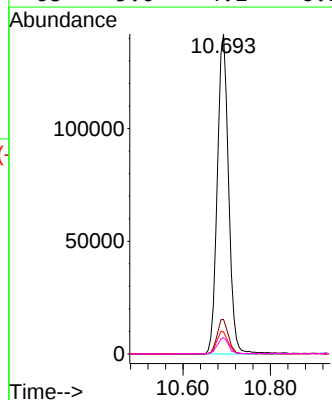
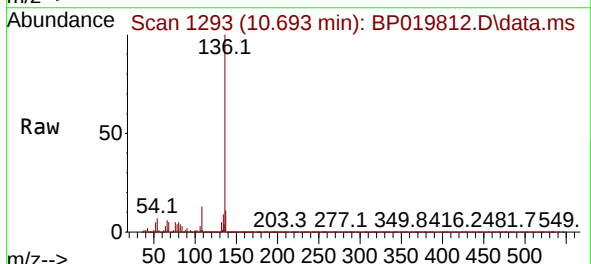
Instrument :
BNA_P
ClientSampleId :
4

Tgt Ion: 99 Resp: 429772
Ion Ratio Lower Upper
99 100
42 17.4 14.7 22.1
71 44.4 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019812.D
Acq: 21 Feb 2024 17:28

Tgt Ion: 136 Resp: 253173
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.9 5.3 7.9
68 5.0 4.1 6.1

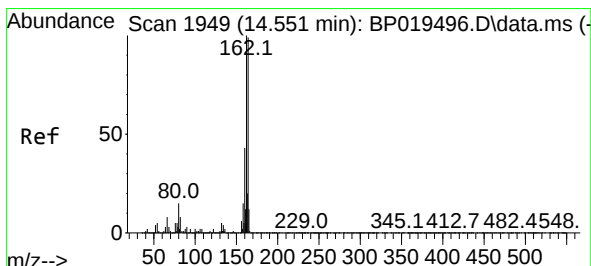
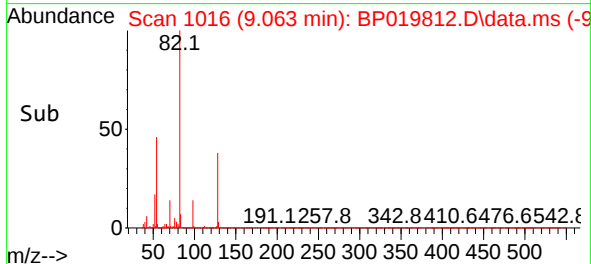
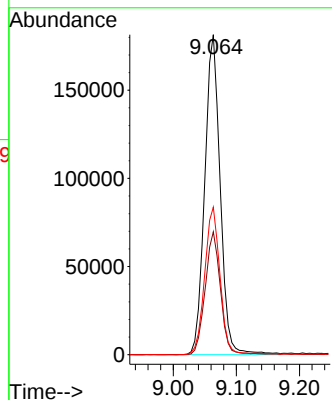
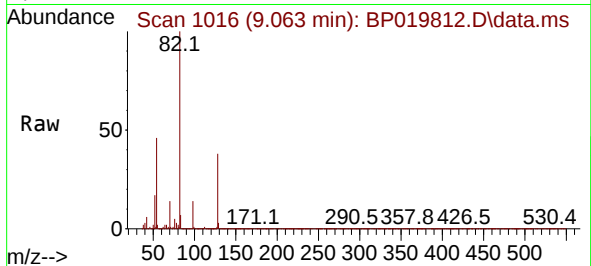




#23
Nitrobenzene-d5
Concen: 52.943 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP019812.D
Acq: 21 Feb 2024 17:28

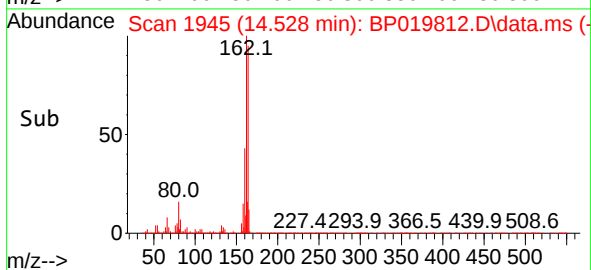
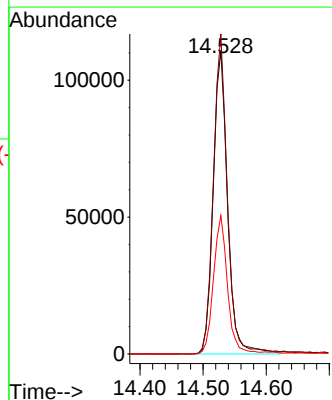
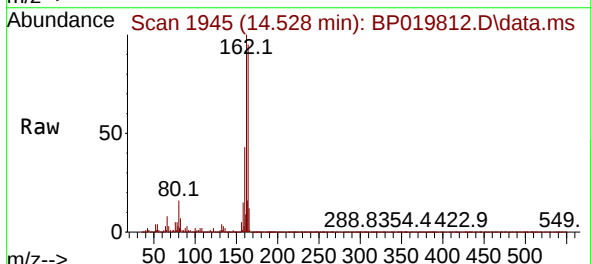
Instrument :
BNA_P
ClientSampleId :
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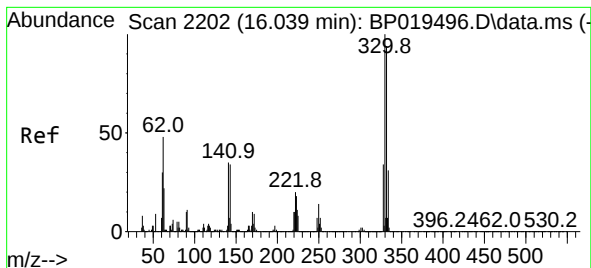
Tgt Ion: 82 Resp: 309329
Ion Ratio Lower Upper
82 100
128 38.4 29.7 44.5
54 46.1 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.528 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BP019812.D
Acq: 21 Feb 2024 17:28

Tgt Ion: 164 Resp: 174643
Ion Ratio Lower Upper
164 100
162 105.5 81.2 121.8
160 45.6 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 110.738 ng

RT: 16.022 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019812.D

Acq: 21 Feb 2024 17:28

Instrument :

BNA_P

ClientSampleId :

4

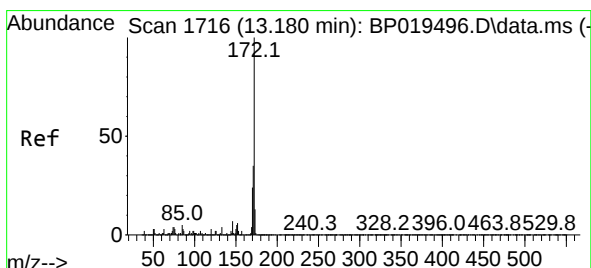
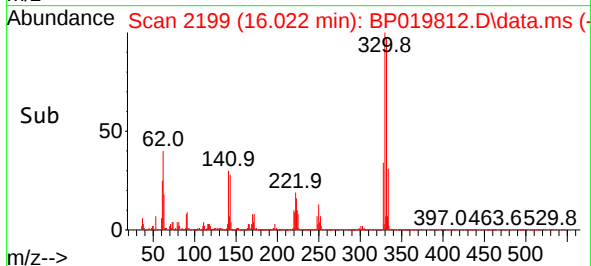
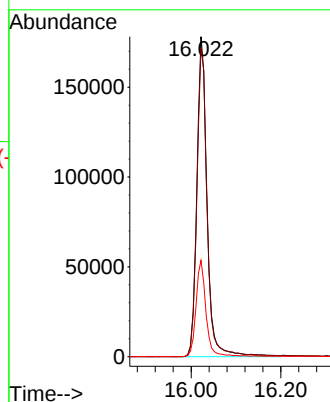
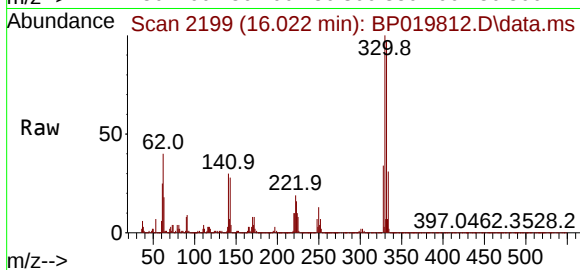
Tgt Ion:330 Resp: 282372

Ion Ratio Lower Upper

330 100

332 96.6 77.2 115.8

141 29.6 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 52.273 ng

RT: 13.152 min Scan# 1711

Delta R.T. -0.012 min

Lab File: BP019812.D

Acq: 21 Feb 2024 17:28

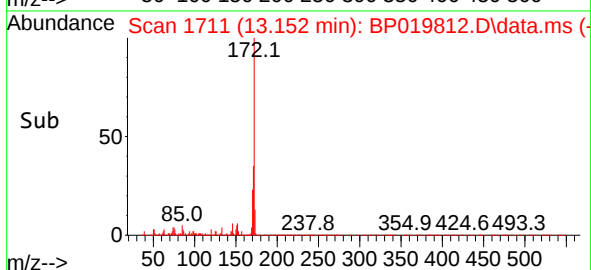
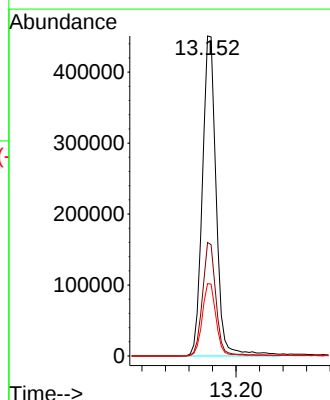
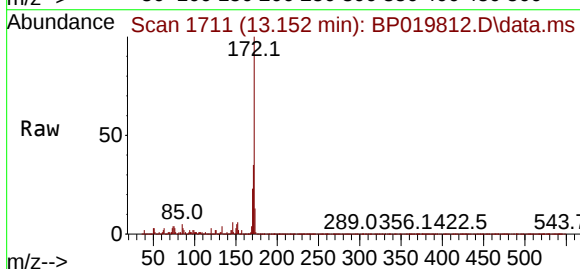
Tgt Ion:172 Resp: 738462

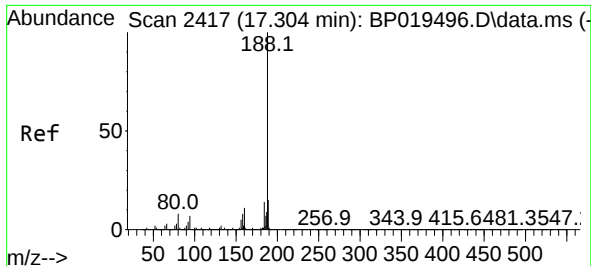
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 22.6 18.9 28.3

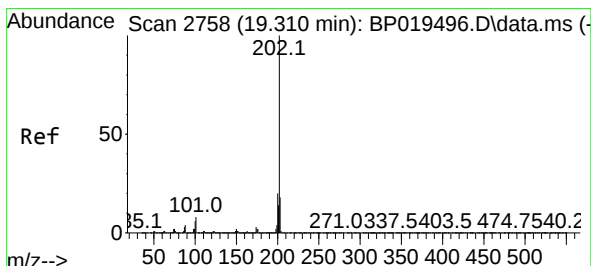
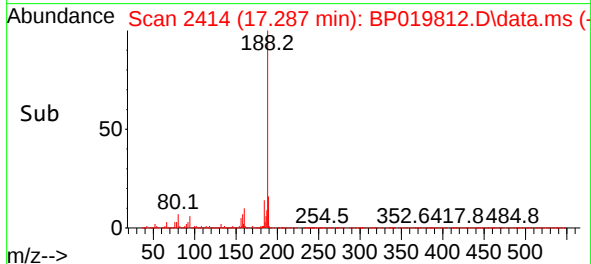
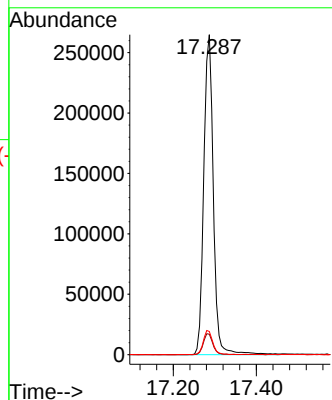
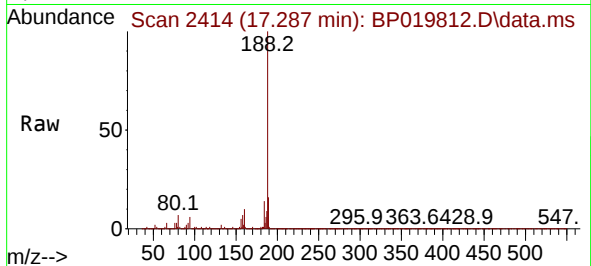




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.287 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP019812.D
Acq: 21 Feb 2024 17:28

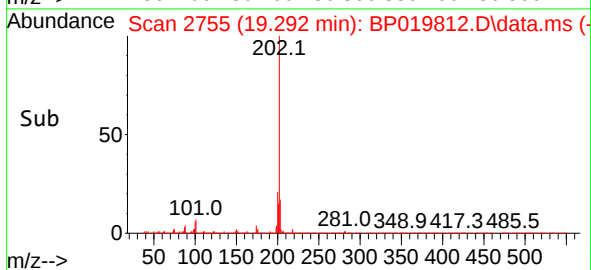
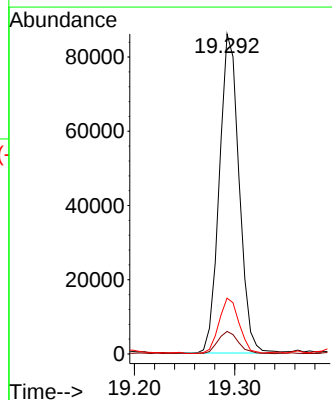
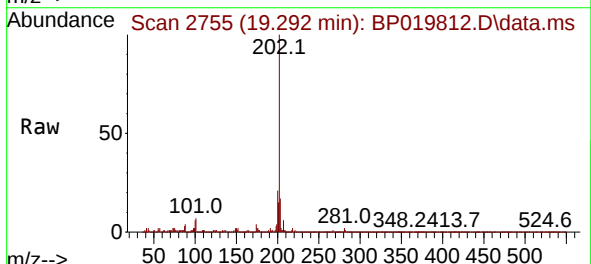
Instrument :
BNA_P
ClientSampleId :
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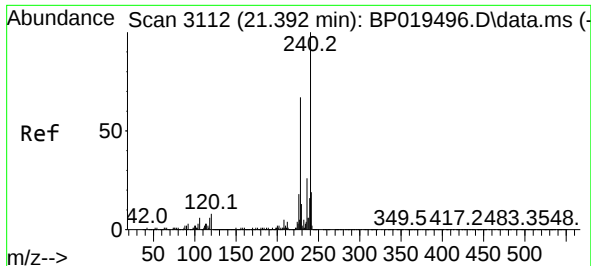
Tgt Ion:188 Resp: 424499
Ion Ratio Lower Upper
188 100
94 6.4 5.4 8.2
80 7.2 6.3 9.5



#75
Fluoranthene
Concen: 4.306 ng
RT: 19.292 min Scan# 2755
Delta R.T. -0.012 min
Lab File: BP019812.D
Acq: 21 Feb 2024 17:28

Tgt Ion:202 Resp: 117518
Ion Ratio Lower Upper
202 100
101 7.1 0.0 27.7
203 17.4 0.0 37.5

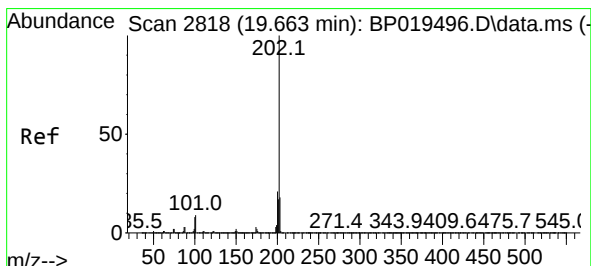
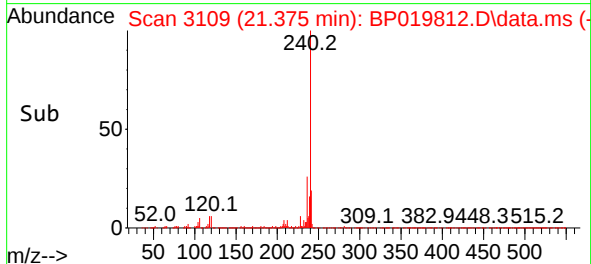
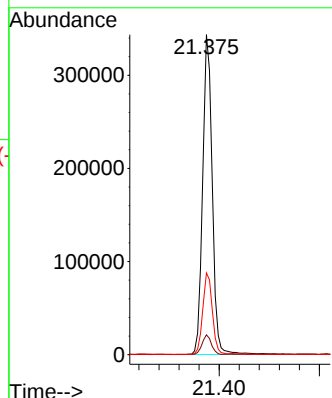
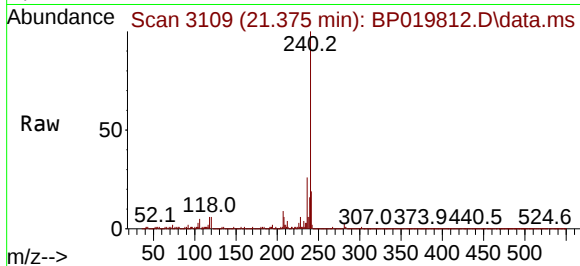




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.375 min Scan# 3112
Delta R.T. -0.017 min
Lab File: BP019812.D
Acq: 21 Feb 2024 17:28

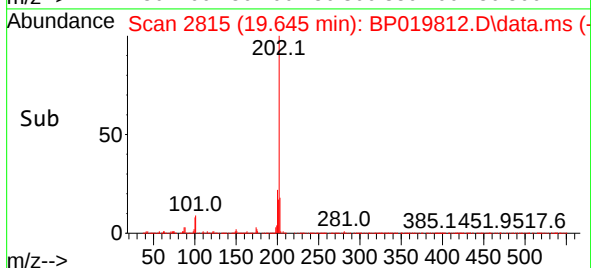
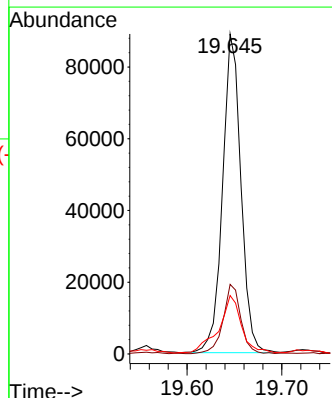
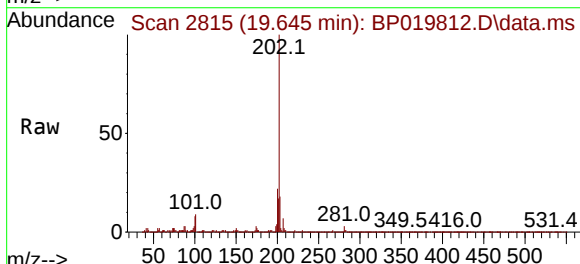
Instrument :
BNA_P
ClientSampleId :
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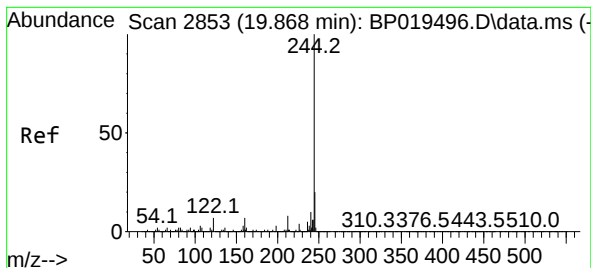
Tgt Ion:240 Resp: 457732
Ion Ratio Lower Upper
240 100
120 6.2 6.1 9.1
236 25.6 20.7 31.1



#78
Pyrene
Concen: 3.716 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BP019812.D
Acq: 21 Feb 2024 17:28

Tgt Ion:202 Resp: 120047
Ion Ratio Lower Upper
202 100
200 21.8 16.9 25.3
203 18.3 14.2 21.2





#79

Terphenyl-d14

Concen: 54.976 ng

RT: 19.851 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019812.D

Acq: 21 Feb 2024 17:28

Instrument :

BNA_P

ClientSampleId :

4

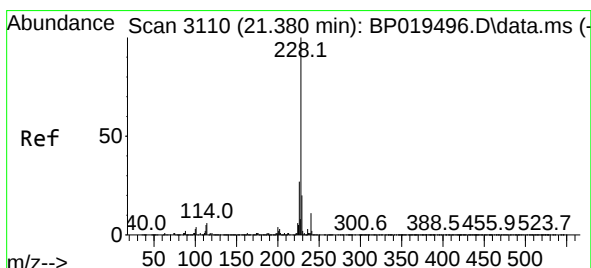
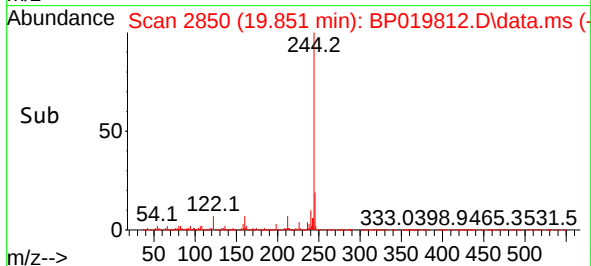
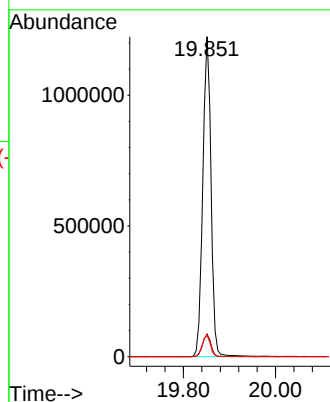
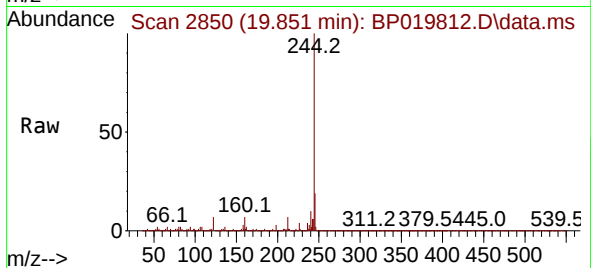
Tgt Ion:244 Resp: 1530155

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.7 5.9 8.9



#81

Benzo(a)anthracene

Concen: 2.571 ng

RT: 21.363 min Scan# 3107

Delta R.T. -0.012 min

Lab File: BP019812.D

Acq: 21 Feb 2024 17:28

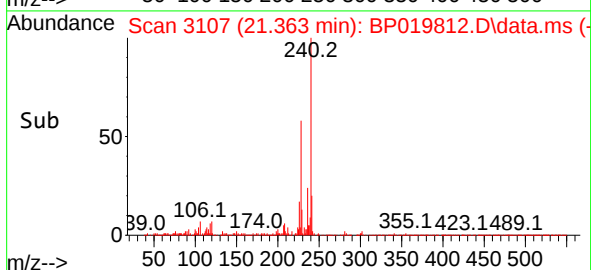
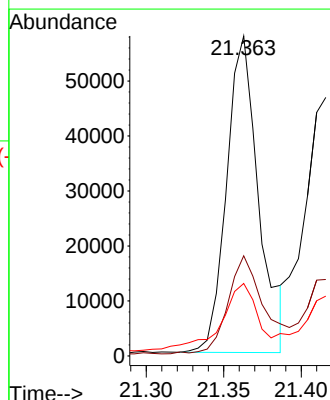
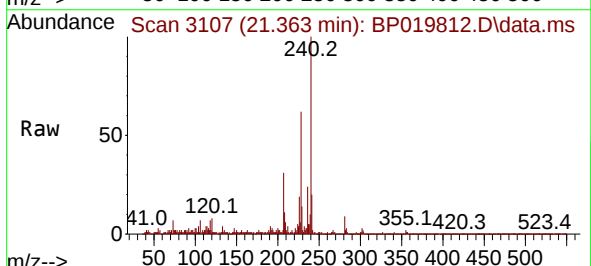
Tgt Ion:228 Resp: 82835

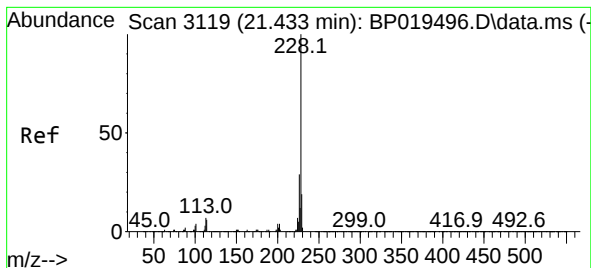
Ion Ratio Lower Upper

228 100

226 31.3 21.7 32.5

229 22.6 15.6 23.4





#83

Chrysene

Concen: 2.336 ng

RT: 21.416 min Scan# 3119

Delta R.T. -0.012 min

Lab File: BP019812.D

Acq: 21 Feb 2024 17:28

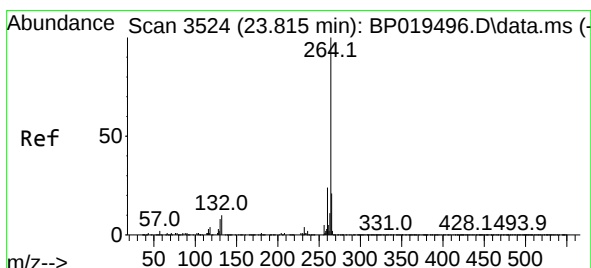
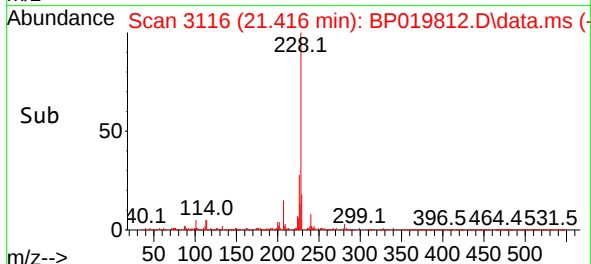
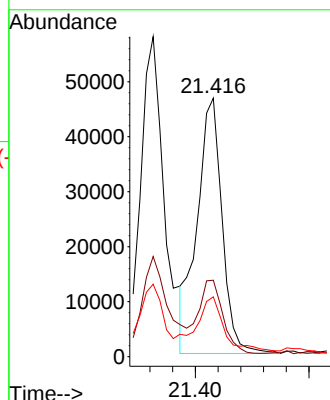
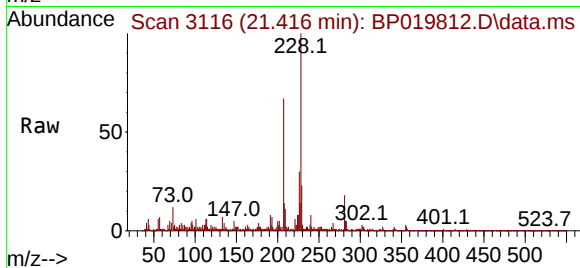
Instrument :

BNA_P

ClientSampleId :

4

Tgt Ion:	228	Resp:	71471
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.4	35.2
229	23.1	15.6	23.4



#86

Perylene-d12

Concen: 20.000 ng

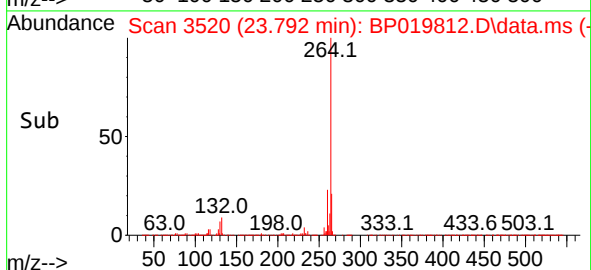
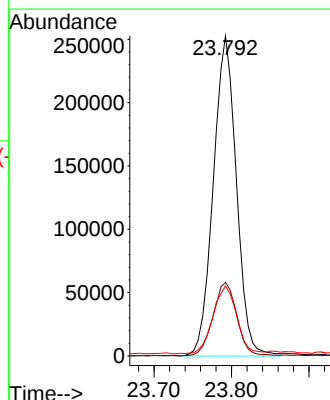
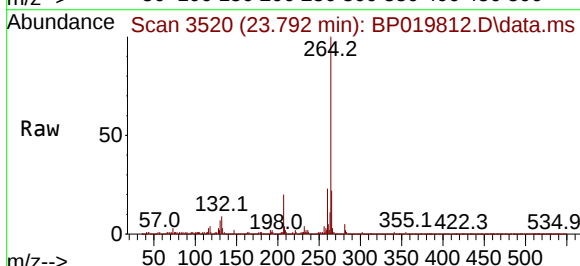
RT: 23.792 min Scan# 3520

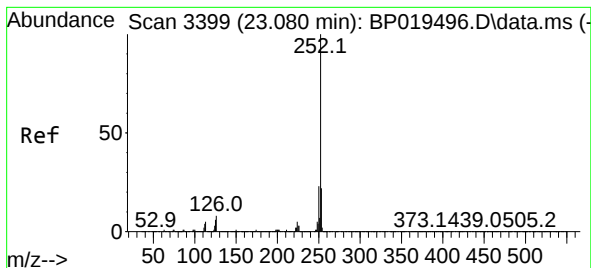
Delta R.T. -0.017 min

Lab File: BP019812.D

Acq: 21 Feb 2024 17:28

Tgt Ion:	264	Resp:	522309
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.2	28.8
265	21.8	17.0	25.4





#88

Benzo(b)fluoranthene

Concen: 3.068 ng

RT: 23.057 min Scan# 31

Delta R.T. -0.017 min

Lab File: BP019812.D

Acq: 21 Feb 2024 17:28

Instrument :

BNA_P

ClientSampleId :

4

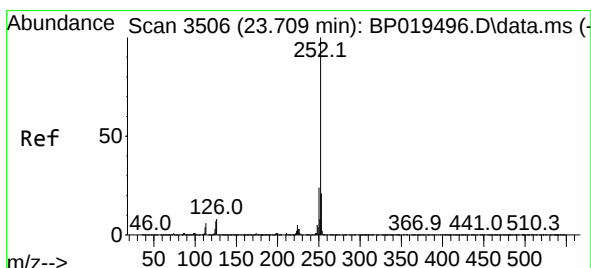
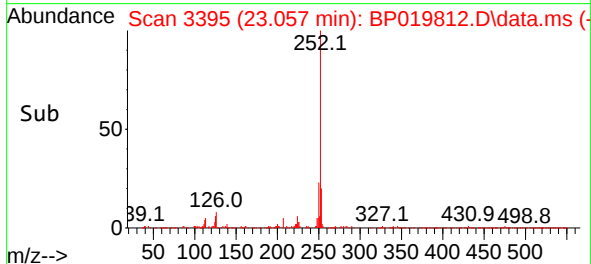
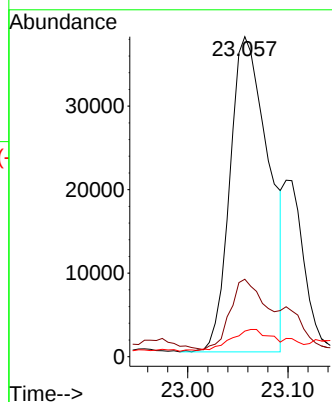
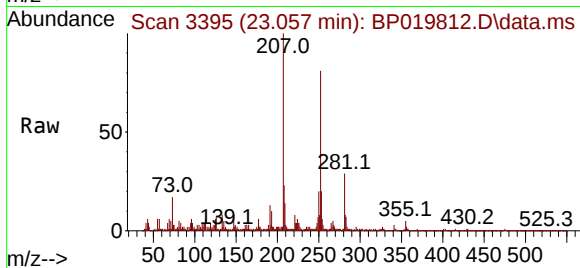
Tgt Ion:252 Resp: 101009

Ion Ratio Lower Upper

252 100

253 24.2 17.3 25.9

125 8.0 4.9 7.3#



#90

Benzo(a)pyrene

Concen: 2.477 ng

RT: 23.680 min Scan# 3501

Delta R.T. -0.023 min

Lab File: BP019812.D

Acq: 21 Feb 2024 17:28

Tgt Ion:252 Resp: 72563

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

125 7.6 5.6 8.4

