

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022324\
 Data File : BP019852.D
 Acq On : 23 Feb 2024 20:03
 Operator : MA/JU
 Sample : P1537-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 2

Quant Time: Feb 24 00:03:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 13:10:49 2024
 Response via : Initial Calibration

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

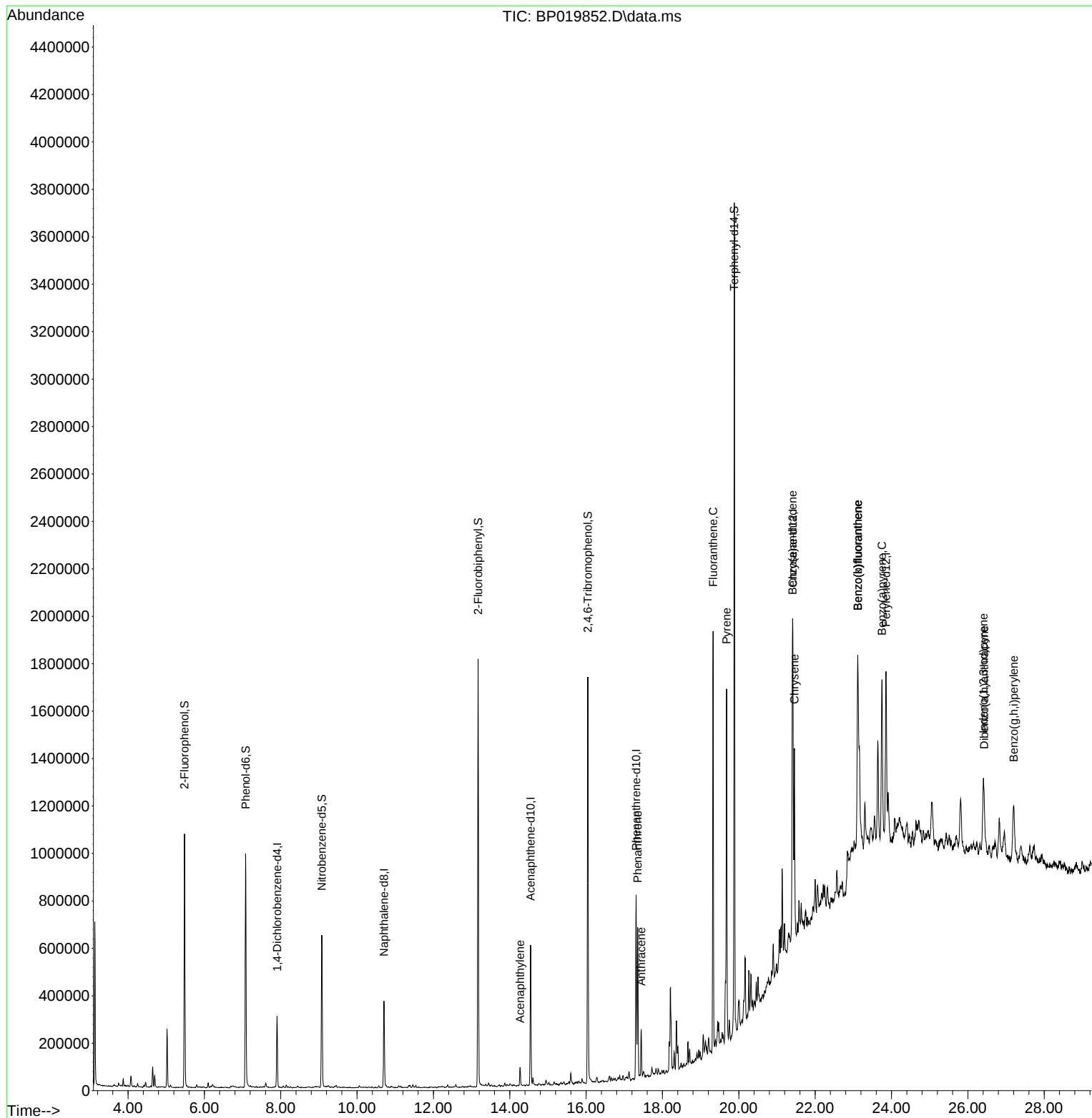
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	78058	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	304026	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	218805	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	487067	20.000	ng	0.00
76) Chrysene-d12	21.416	240	454145	20.000	ng	-0.01
86) Perylene-d12	23.857	264	609072	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	442148	91.305	ng	0.00
7) Phenol-d6	7.081	99	573055	87.764	ng	0.00
23) Nitrobenzene-d5	9.075	82	398527	56.800	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	360309	112.783	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	972164	54.926	ng	0.00
79) Terphenyl-d14	19.880	244	1791557	64.876	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.269	152	60788	3.022	ng	100
71) Phenanthrene	17.351	178	401115	15.649	ng	99
72) Anthracene	17.445	178	133654	5.227	ng	98
75) Fluoranthene	19.327	202	1060724	33.875	ng	99
78) Pyrene	19.680	202	926577	28.909	ng	99
81) Benzo(a)anthracene	21.404	228	568741	17.791	ng	95
83) Chrysene	21.457	228	491936	16.208	ng	97
87) Indeno(1,2,3-cd)pyrene	26.409	276	369803	7.932	ng	# 96
88) Benzo(b)fluoranthene	23.116	252	1066871	27.793	ng	95
89) Benzo(k)fluoranthene	23.116	252	1066871	29.095	ng	95
90) Benzo(a)pyrene	23.751	252	561171	16.430	ng	95
91) Dibenzo(a,h)anthracene	26.427	278	102246	2.666	ng	# 74
92) Benzo(g,h,i)perylene	27.204	276	349657	8.988	ng	95

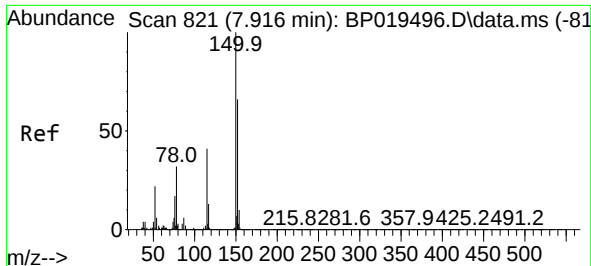
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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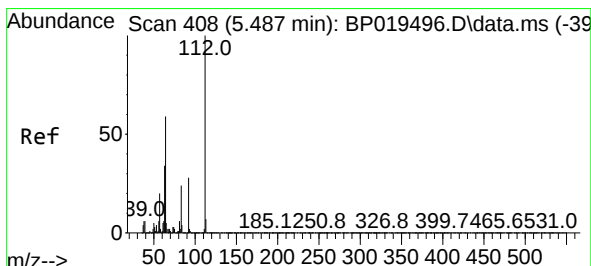
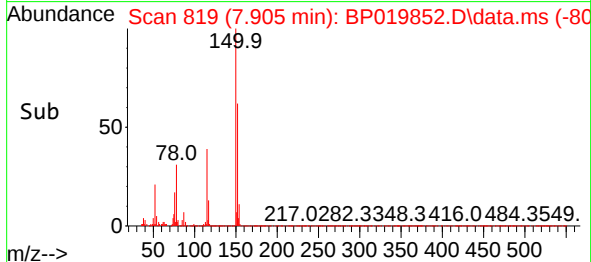
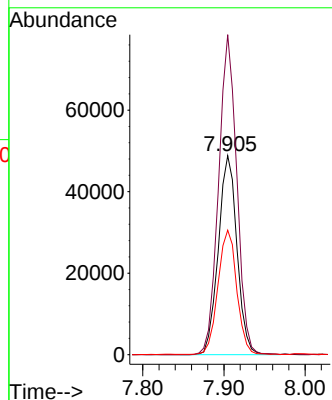
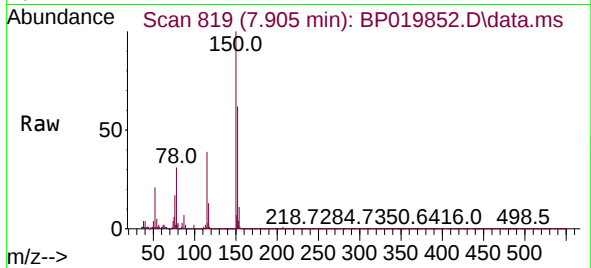




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

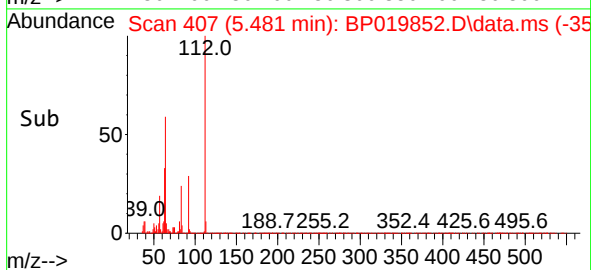
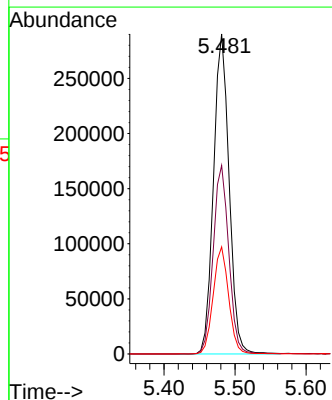
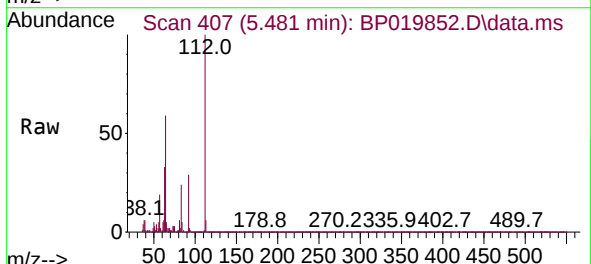
Instrument :
BNA_P
ClientSampleId :
2

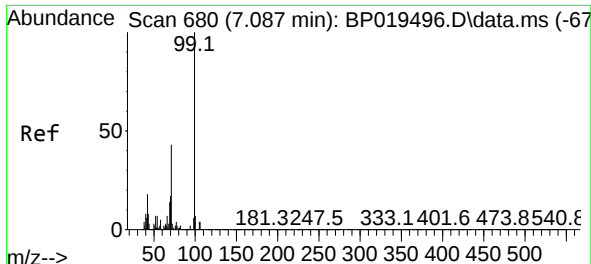
Tgt Ion:152 Resp: 78058
Ion Ratio Lower Upper
152 100
150 160.7 121.8 182.8
115 62.5 49.9 74.9



#5
2-Fluorophenol
Concen: 91.305 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

Tgt Ion:112 Resp: 442148
Ion Ratio Lower Upper
112 100
64 58.9 47.4 71.0
63 33.4 27.0 40.6

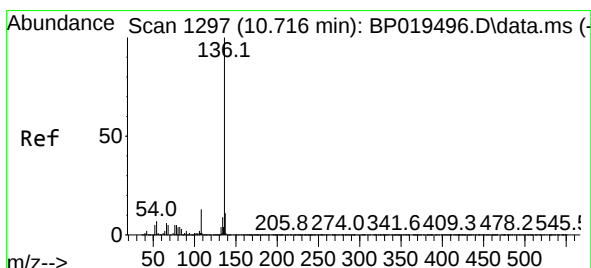
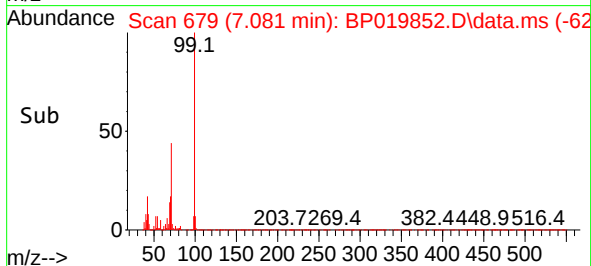
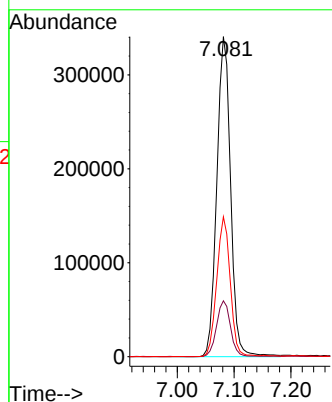
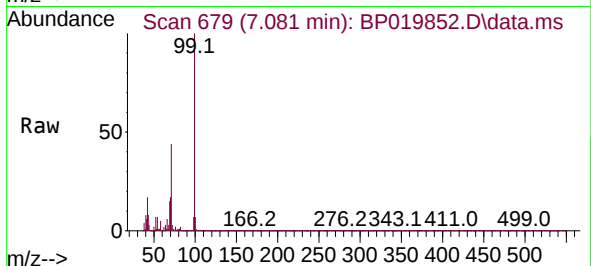




#7
Phenol-d6
Concen: 87.764 ng
RT: 7.081 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

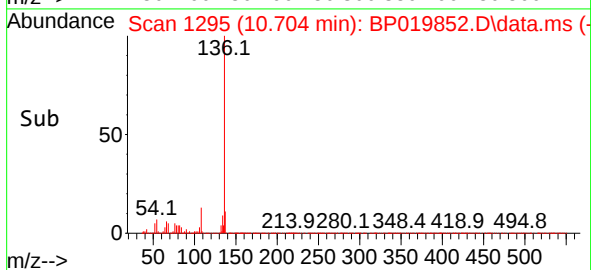
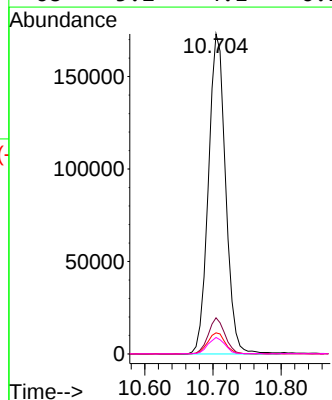
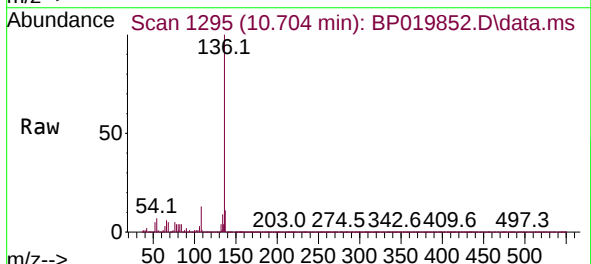
Instrument :
BNA_P
ClientSampleId :
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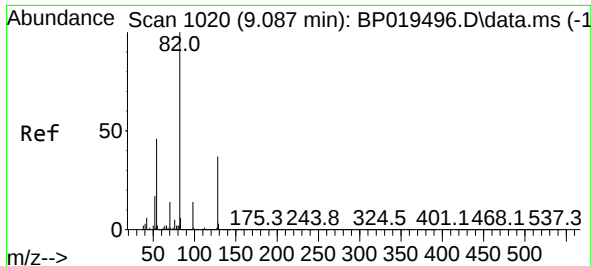
Tgt Ion: 99 Resp: 573055
Ion Ratio Lower Upper
99 100
42 17.5 14.7 22.1
71 43.7 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

Tgt Ion: 136 Resp: 304026
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 6.6 5.3 7.9
68 5.2 4.1 6.1

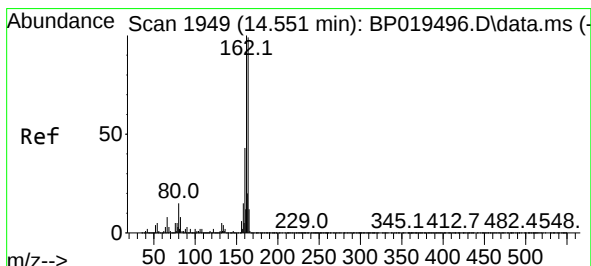
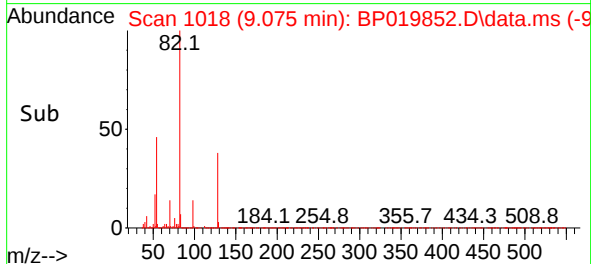
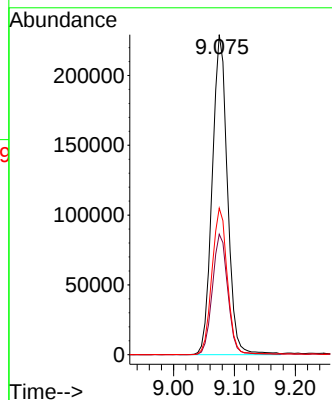
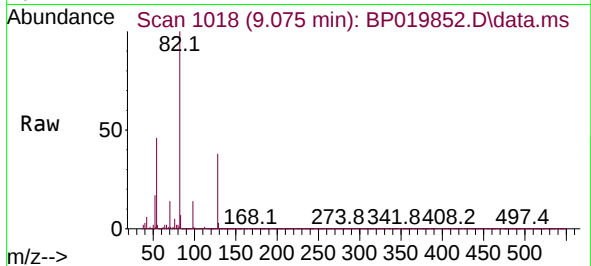




#23
Nitrobenzene-d5
Concen: 56.800 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

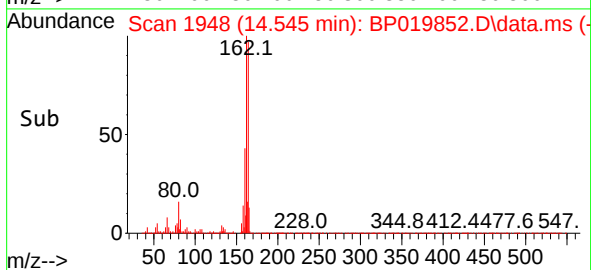
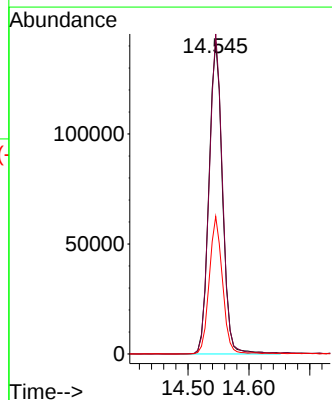
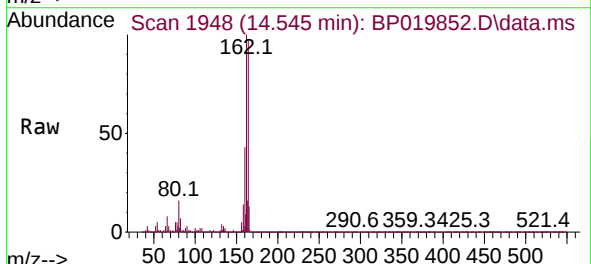
Instrument :
BNA_P
ClientSampleId :
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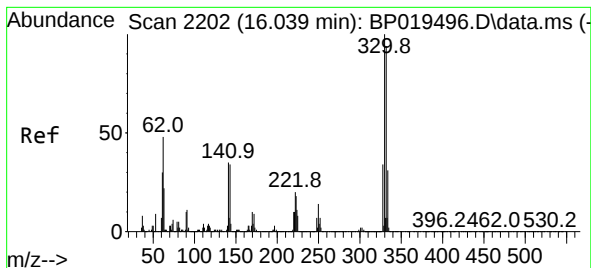
Tgt Ion: 82 Resp: 398527
Ion Ratio Lower Upper
82 100
128 37.6 29.7 44.5
54 45.8 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

Tgt Ion:164 Resp: 218805
Ion Ratio Lower Upper
164 100
162 102.7 81.2 121.8
160 44.1 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 112.783 ng

RT: 16.045 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP019852.D

Acq: 23 Feb 2024 20:03

Instrument :

BNA_P

ClientSampleId :

2

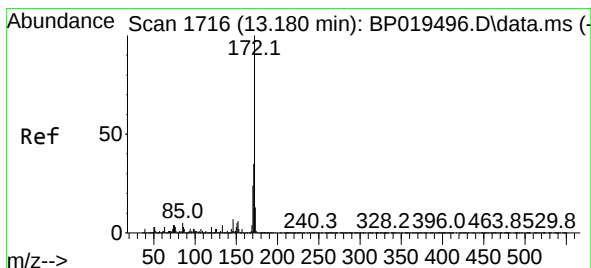
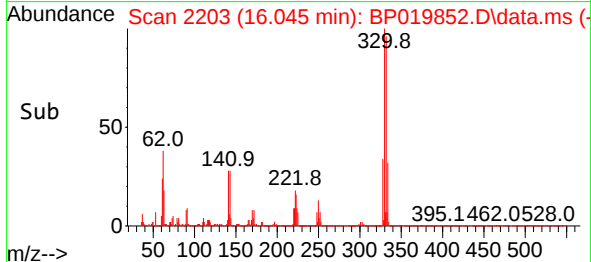
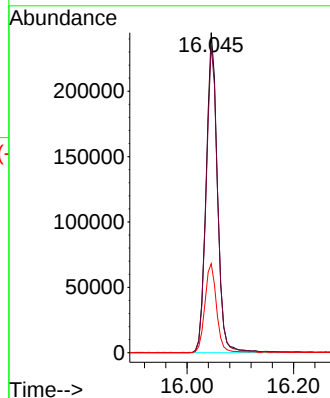
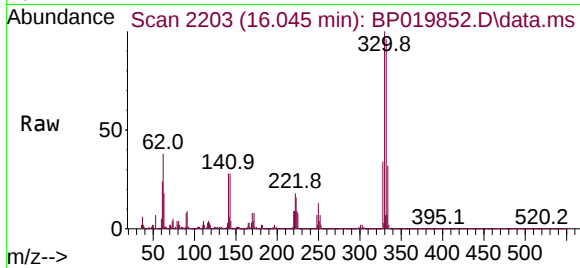
Tgt Ion:330 Resp: 360309

Ion Ratio Lower Upper

330 100

332 97.5 77.2 115.8

141 28.4 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 54.926 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BP019852.D

Acq: 23 Feb 2024 20:03

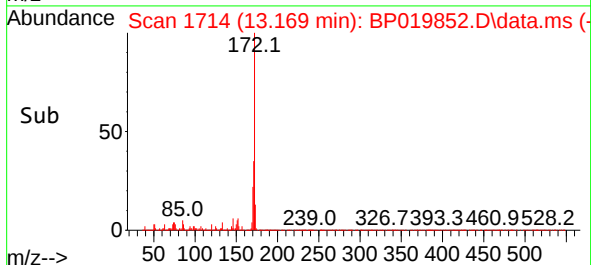
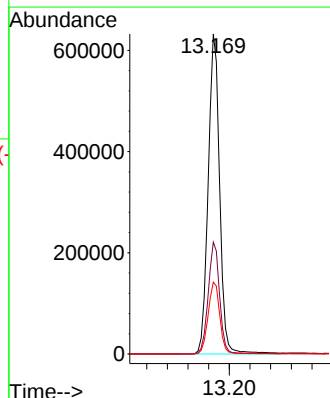
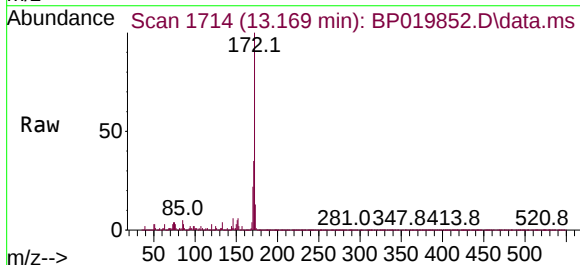
Tgt Ion:172 Resp: 972164

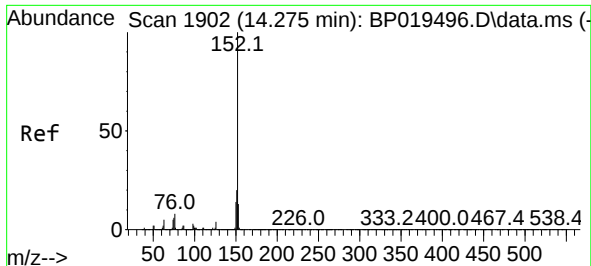
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.5 18.9 28.3

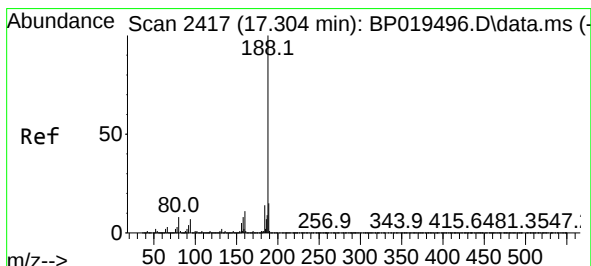
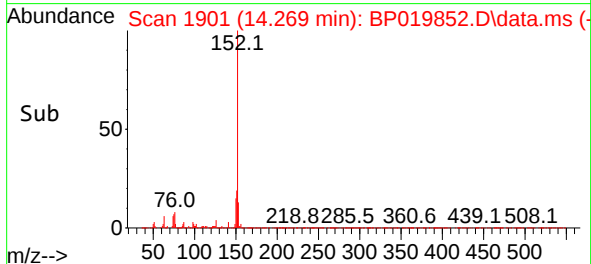
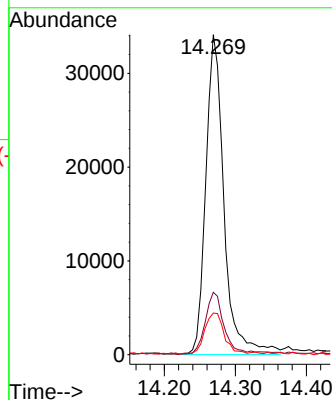
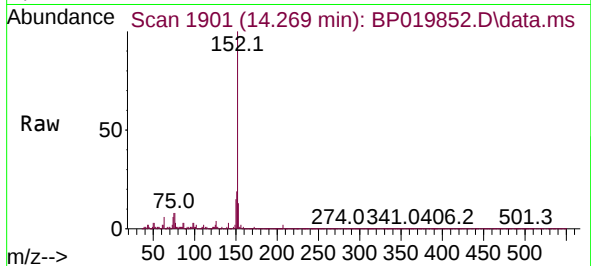




#49
Acenaphthylene
Concen: 3.022 ng
RT: 14.269 min Scan# 1901
Delta R.T. -0.000 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

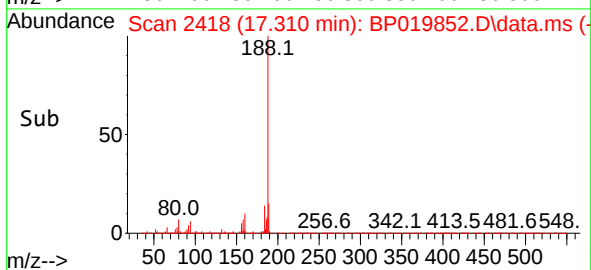
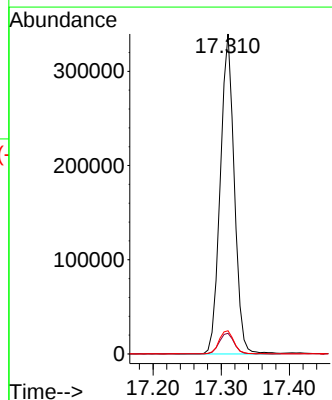
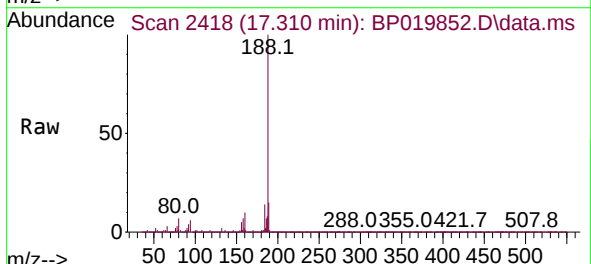
Instrument :
BNA_P
ClientSampleId :
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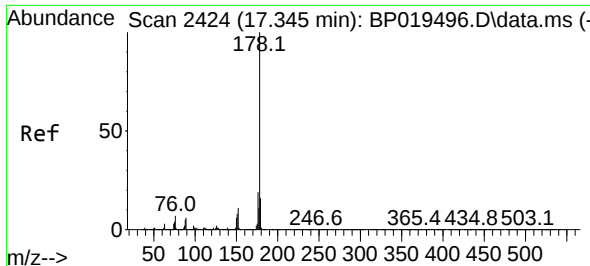
Tgt Ion:152	Resp: 60788
Ion Ratio	Lower Upper
152	100
151	19.5 15.8 23.6
153	13.0 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

Tgt Ion:188	Resp: 487067
Ion Ratio	Lower Upper
188	100
94	6.4 5.4 8.2
80	7.3 6.3 9.5

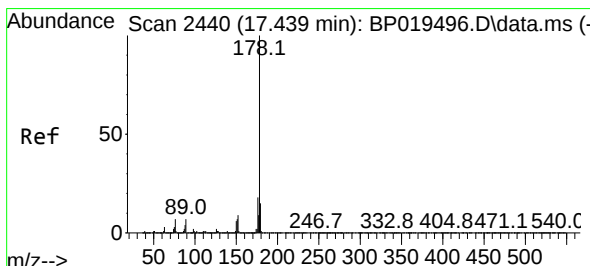
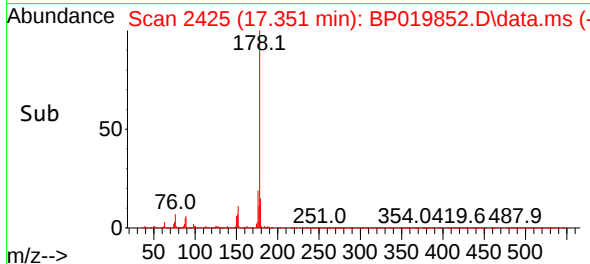
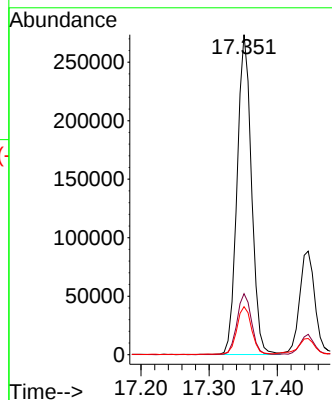
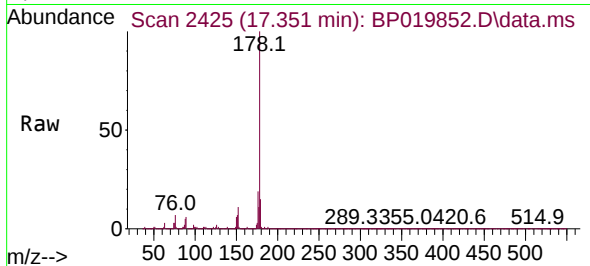




#71
Phenanthrene
Concen: 15.649 ng
RT: 17.351 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

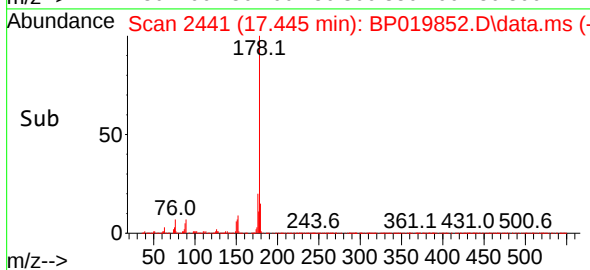
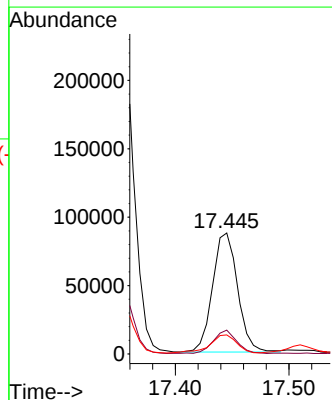
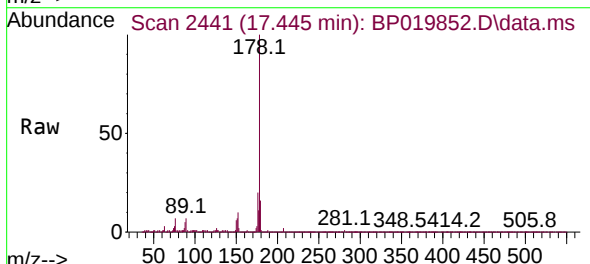
Instrument :
BNA_P
ClientSampleId :
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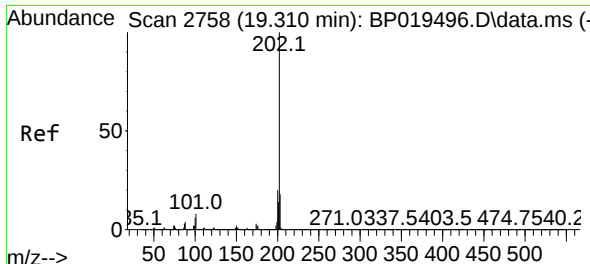
Tgt Ion:178 Resp: 401115
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.0 12.6 19.0



#72
Anthracene
Concen: 5.227 ng
RT: 17.445 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

Tgt Ion:178 Resp: 133654
Ion Ratio Lower Upper
178 100
176 19.7 14.7 22.1
179 15.7 12.2 18.2

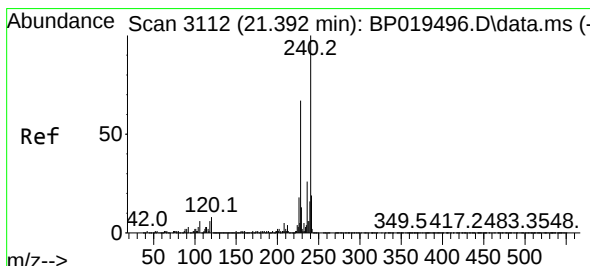
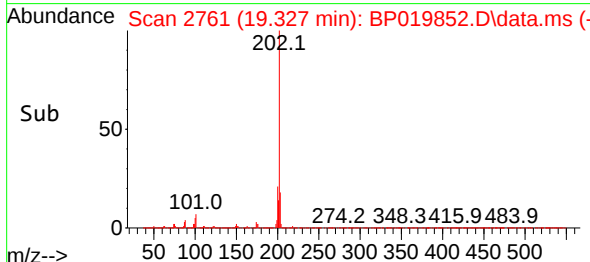
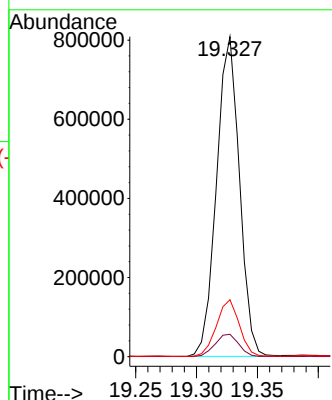
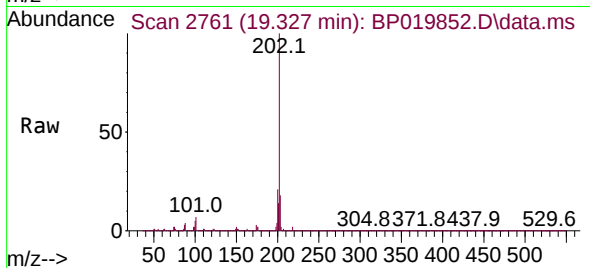




#75
Fluoranthene
Concen: 33.875 ng
RT: 19.327 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

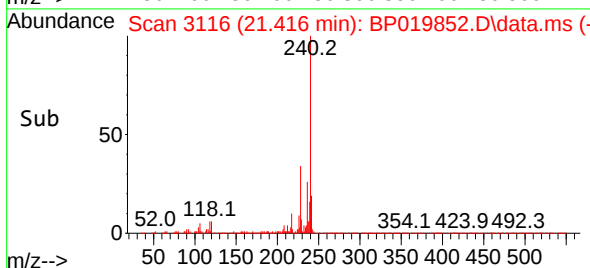
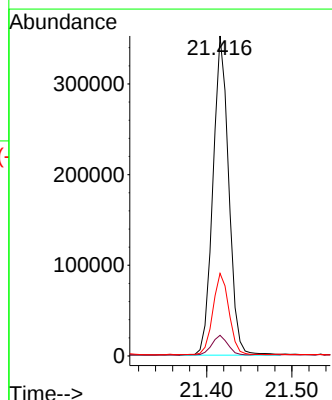
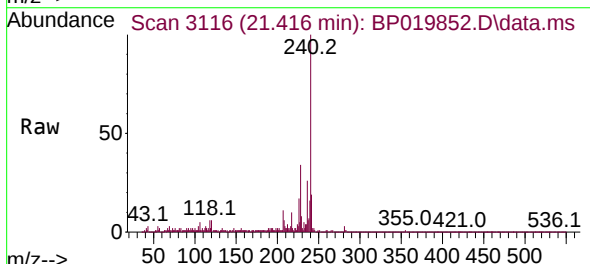
Instrument :
BNA_P
ClientSampleId :
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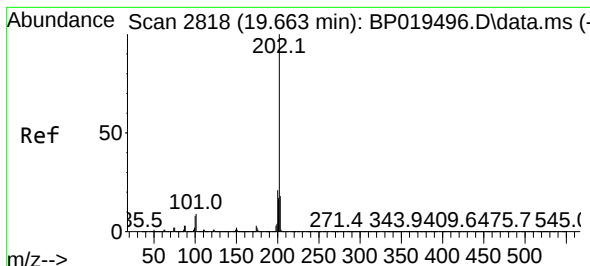
Tgt Ion:202 Resp: 1060724
Ion Ratio Lower Upper
202 100
101 7.0 0.0 27.7
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

Tgt Ion:240 Resp: 454145
Ion Ratio Lower Upper
240 100
120 6.5 6.1 9.1
236 25.8 20.7 31.1





#78

Pyrene

Concen: 28.909 ng

RT: 19.680 min Scan# 2818

Delta R.T. -0.006 min

Lab File: BP019852.D

Acq: 23 Feb 2024 20:03

Instrument :

BNA_P

ClientSampleId :

2

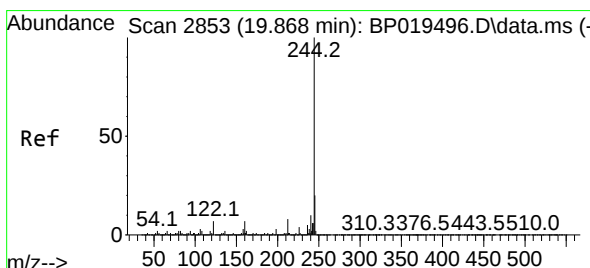
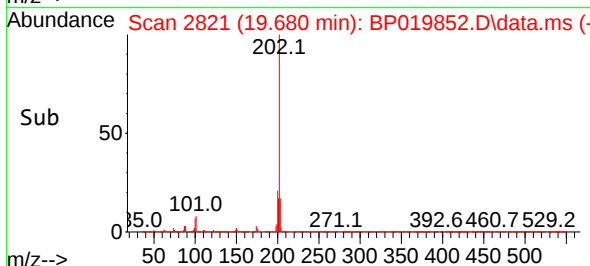
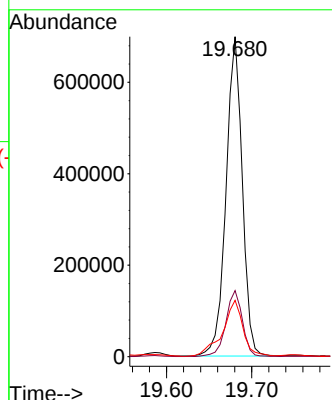
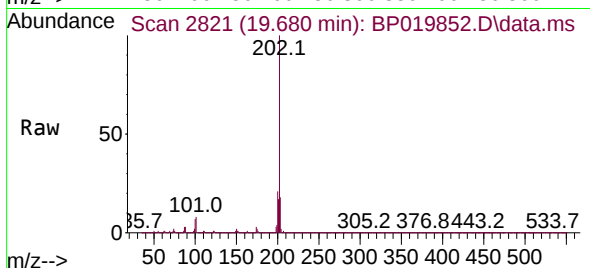
Tgt Ion:202 Resp: 926577

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.6 14.2 21.2



#79

Terphenyl-d14

Concen: 64.876 ng

RT: 19.880 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BP019852.D

Acq: 23 Feb 2024 20:03

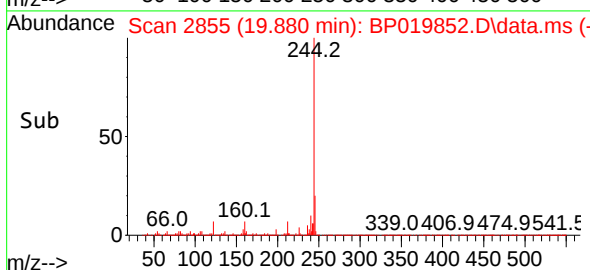
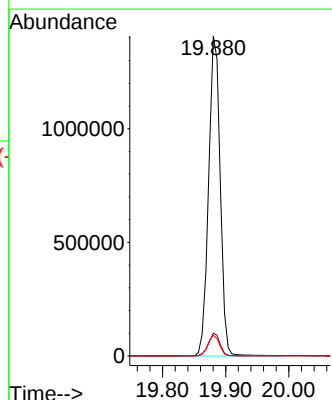
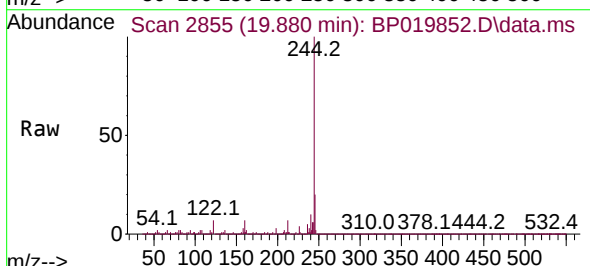
Tgt Ion:244 Resp: 1791557

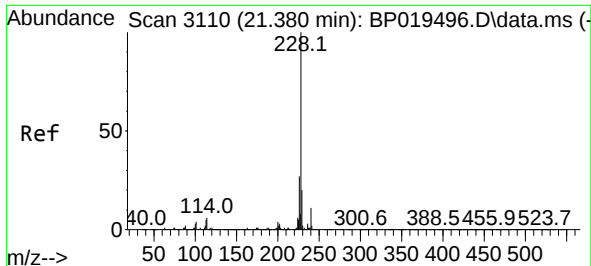
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.5 5.9 8.9

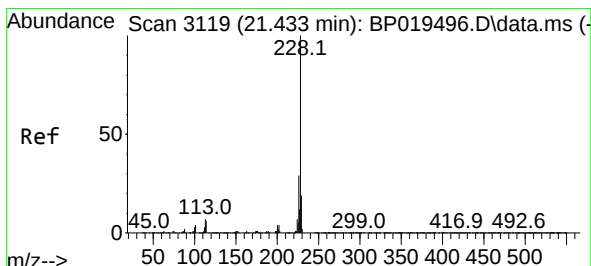
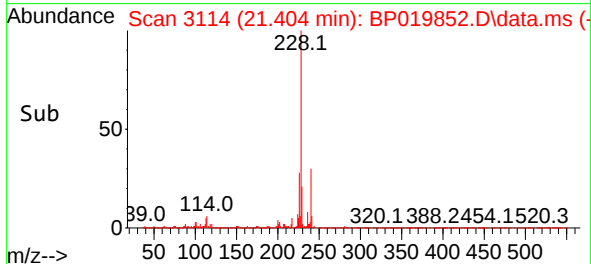
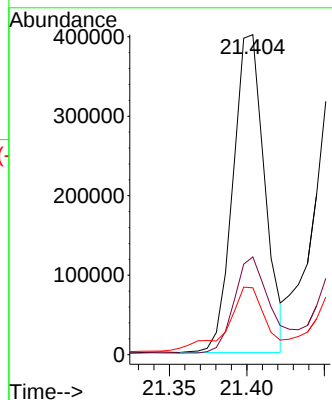
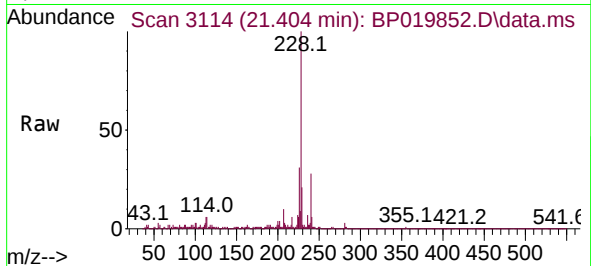




#81
Benzo(a)anthracene
Concen: 17.791 ng
RT: 21.404 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

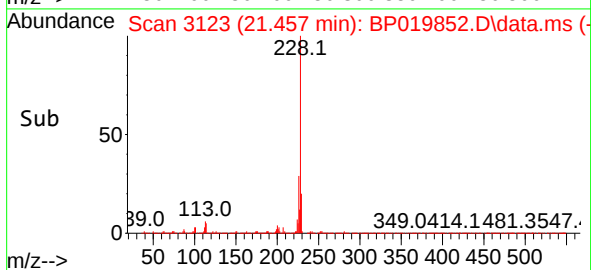
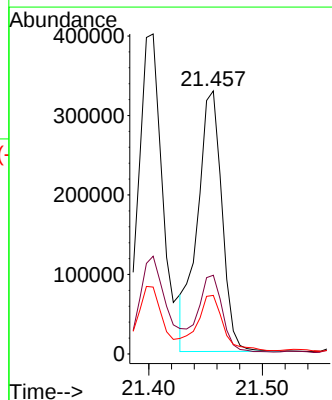
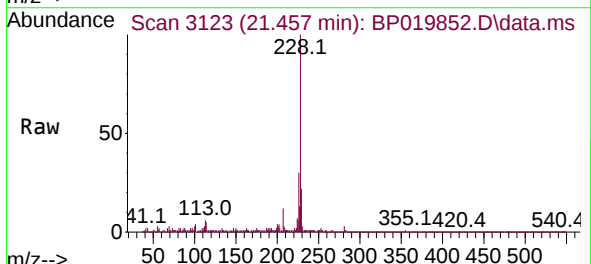
Instrument :
BNA_P
ClientSampleId :
2

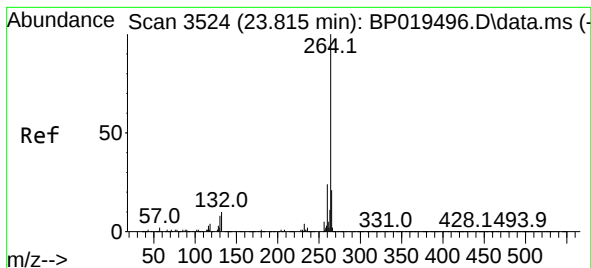
Tgt Ion:228 Resp: 568741
Ion Ratio Lower Upper
228 100
226 30.5 21.7 32.5
229 20.9 15.6 23.4



#83
Chrysene
Concen: 16.208 ng
RT: 21.457 min Scan# 3123
Delta R.T. -0.012 min
Lab File: BP019852.D
Acq: 23 Feb 2024 20:03

Tgt Ion:228 Resp: 491936
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 22.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.857 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP019852.D

Acq: 23 Feb 2024 20:03

Instrument :

BNA_P

ClientSampleId :

2

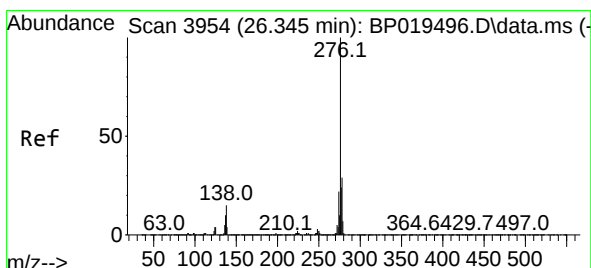
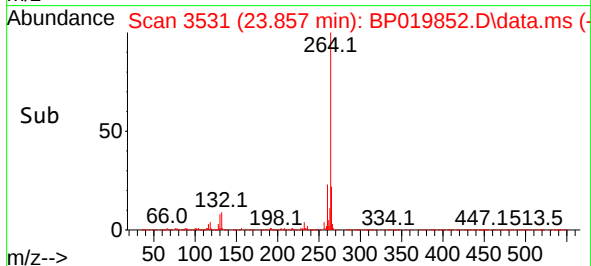
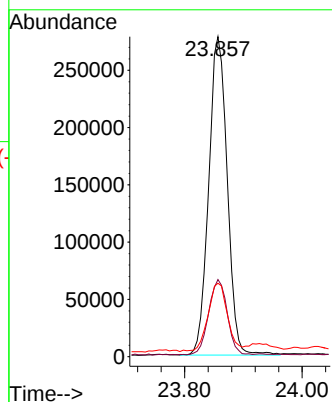
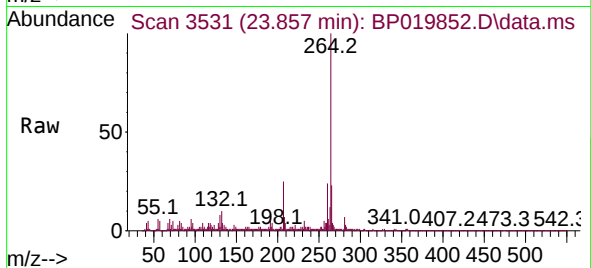
Tgt Ion:264 Resp: 609072

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 23.0 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.932 ng

RT: 26.409 min Scan# 3965

Delta R.T. -0.024 min

Lab File: BP019852.D

Acq: 23 Feb 2024 20:03

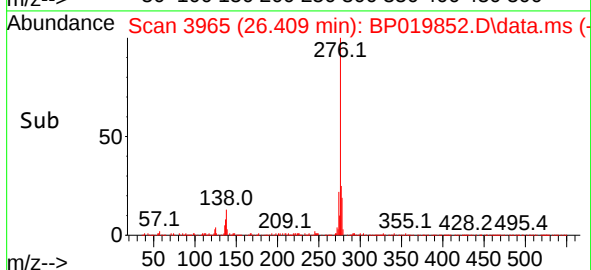
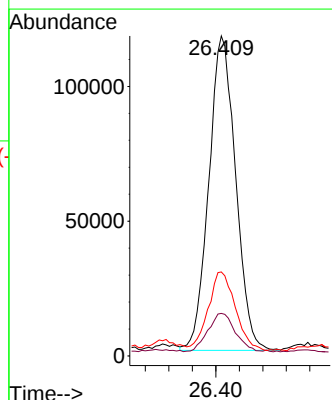
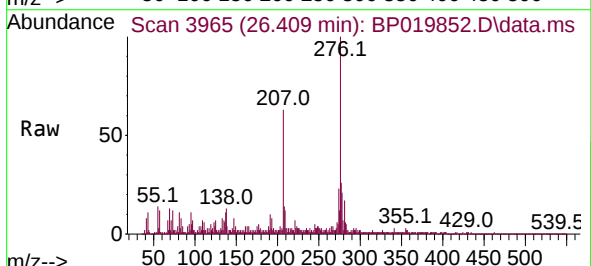
Tgt Ion:276 Resp: 369803

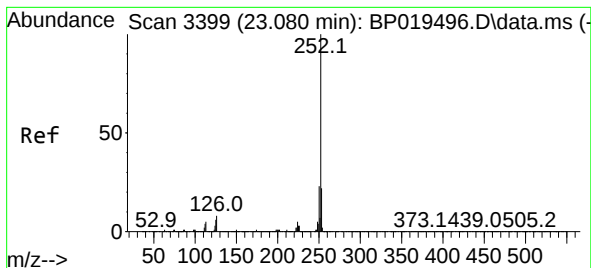
Ion Ratio Lower Upper

276 100

138 12.3 13.1 19.7#

277 25.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 27.793 ng

RT: 23.116 min Scan# 3405

Delta R.T. -0.012 min

Lab File: BP019852.D

Acq: 23 Feb 2024 20:03

Instrument :

BNA_P

ClientSampleId :

2

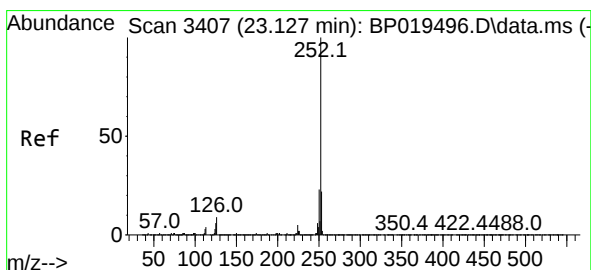
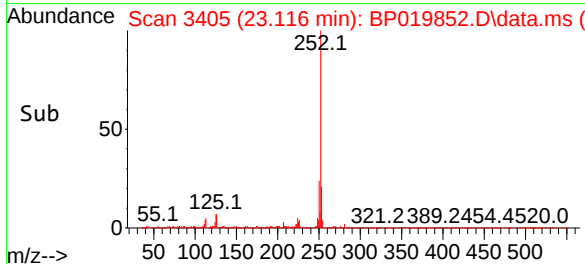
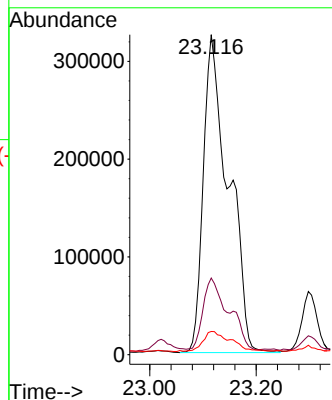
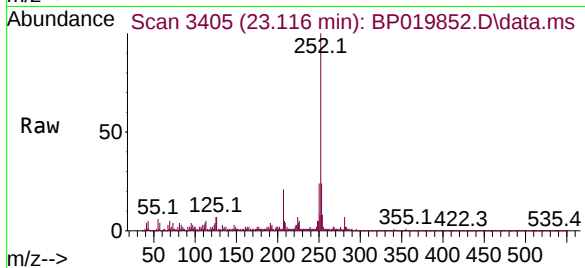
Tgt Ion:252 Resp: 1066871

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

125 7.2 4.9 7.3



#89

Benzo(k)fluoranthene

Concen: 29.095 ng

RT: 23.116 min Scan# 3405

Delta R.T. -0.059 min

Lab File: BP019852.D

Acq: 23 Feb 2024 20:03

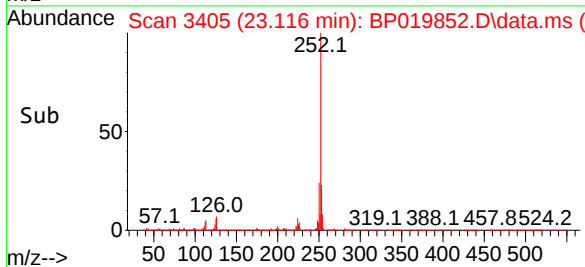
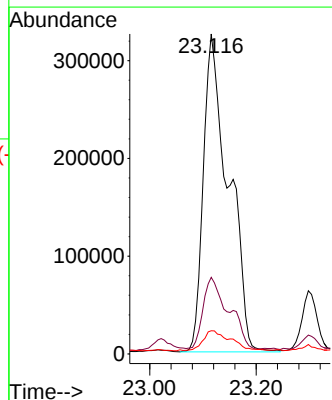
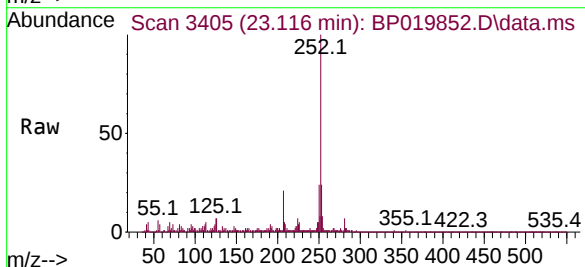
Tgt Ion:252 Resp: 1066871

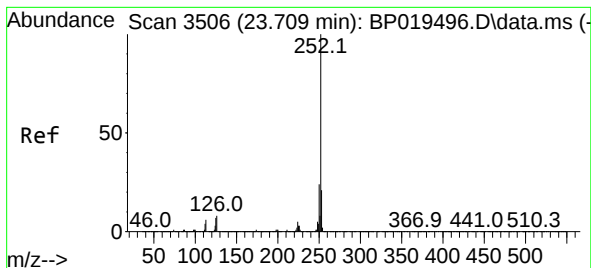
Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 7.2 5.0 7.6





#90

Benzo(a)pyrene

Concen: 16.430 ng

RT: 23.751 min Scan# 3513

Delta R.T. -0.012 min

Lab File: BP019852.D

Acq: 23 Feb 2024 20:03

Instrument :

BNA_P

ClientSampleId :

2

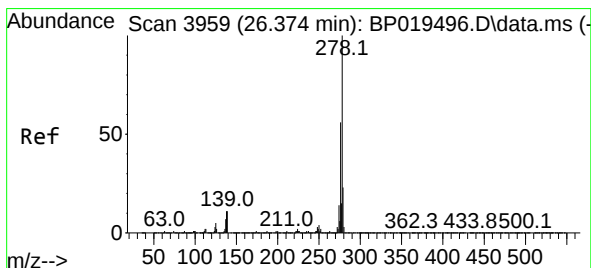
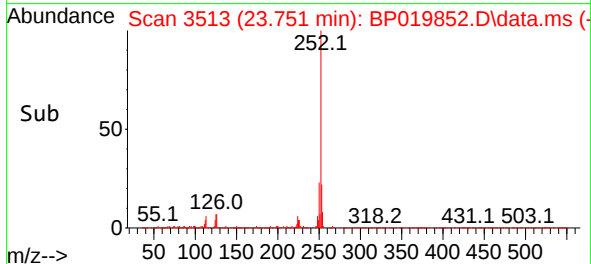
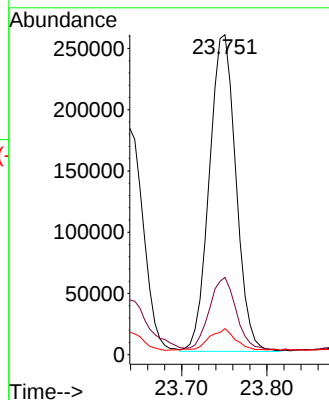
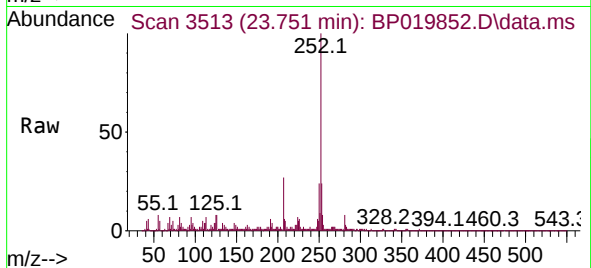
Tgt Ion:252 Resp: 561171

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 8.1 5.6 8.4



#91

Dibenzo(a,h)anthracene

Concen: 2.666 ng

RT: 26.427 min Scan# 3968

Delta R.T. -0.030 min

Lab File: BP019852.D

Acq: 23 Feb 2024 20:03

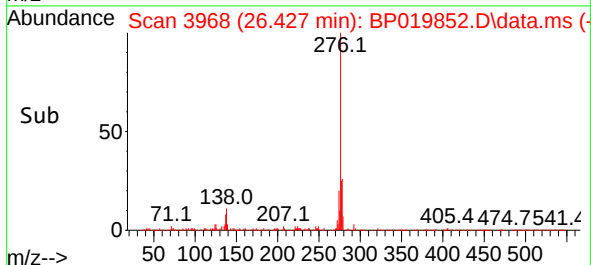
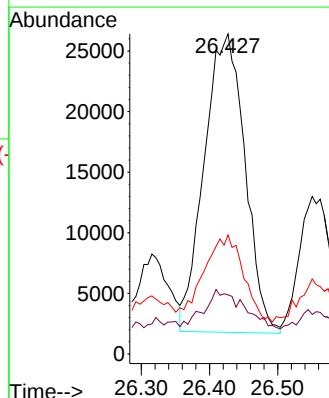
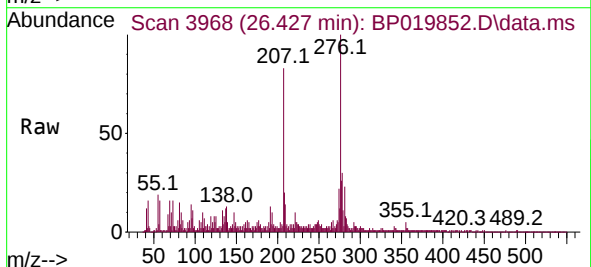
Tgt Ion:278 Resp: 102246

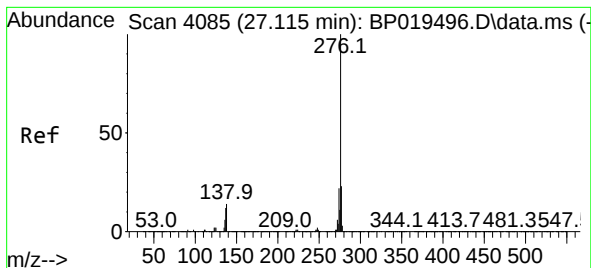
Ion Ratio Lower Upper

278 100

139 18.5 8.6 12.8#

279 37.1 18.5 27.7#





#92

Benzo(g,h,i)perylene

Concen: 8.988 ng

RT: 27.204 min Scan# 4100

Delta R.T. -0.012 min

Lab File: BP019852.D

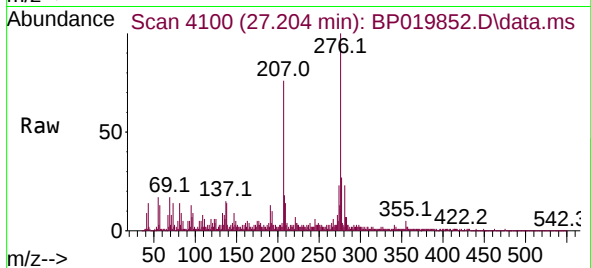
Acq: 23 Feb 2024 20:03

Instrument :

BNA_P

ClientSampleId :

2



Tgt Ion:276 Resp: 349657

Ion Ratio Lower Upper

276 100

277 27.0 18.6 28.0

138 14.2 10.9 16.3

