

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
 Data File : BP019825.D
 Acq On : 22 Feb 2024 15:32
 Operator : MA/JU
 Sample : P1537-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 9

Quant Time: Feb 22 16:00:13 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)

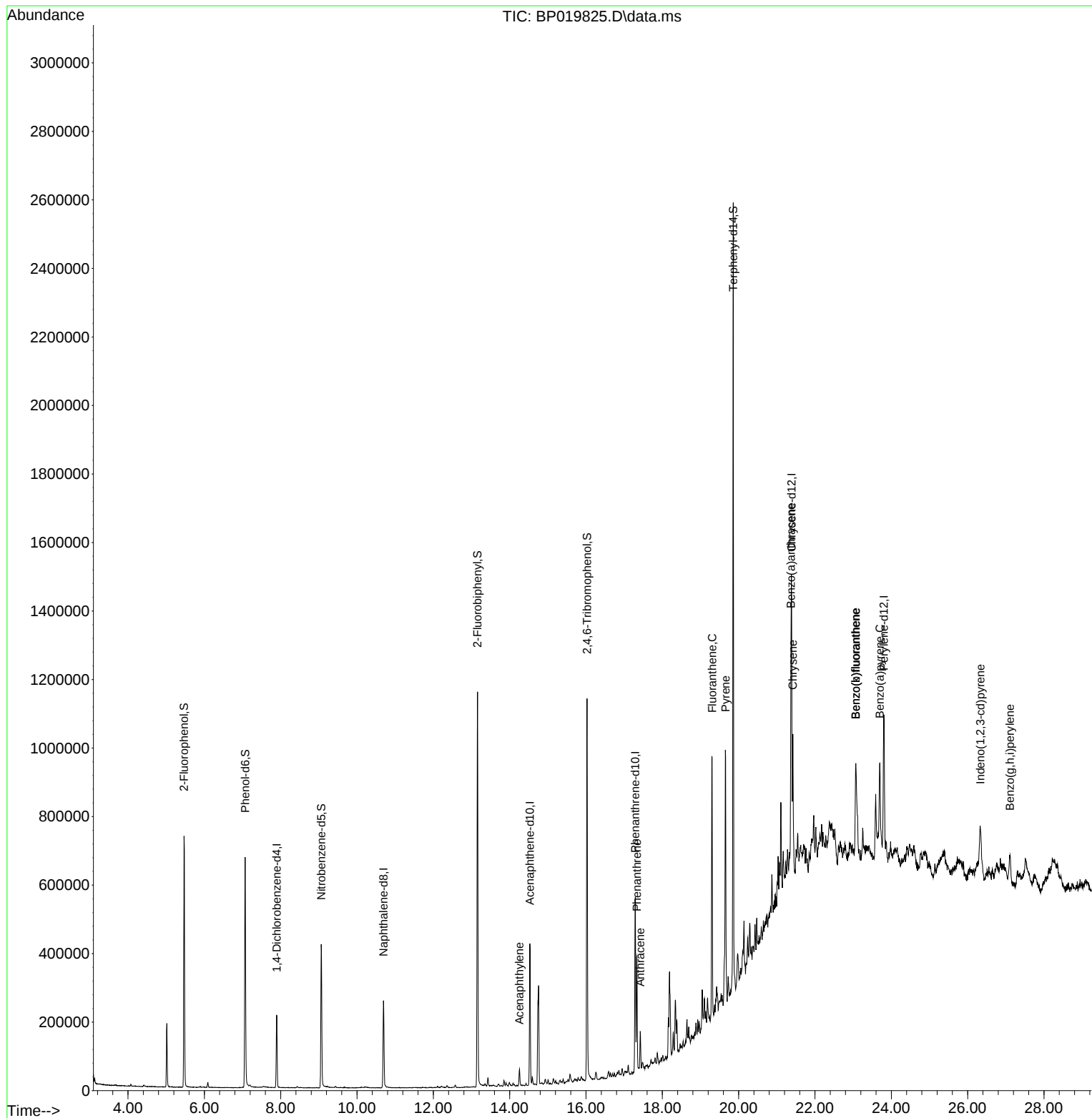
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	57649	20.000	ng	0.00
21) Naphthalene-d8	10.692	136	212257	20.000	ng	0.00
39) Acenaphthene-d10	14.533	164	154579	20.000	ng	0.00
64) Phenanthrene-d10	17.292	188	344834	20.000	ng	0.00
76) Chrysene-d12	21.386	240	325956	20.000	ng	0.00
86) Perylene-d12	23.804	264	379984	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	305753	85.491	ng	0.00
7) Phenol-d6	7.069	99	382159	79.248	ng	0.00
23) Nitrobenzene-d5	9.063	82	264228	53.941	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	238503	105.674	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	627988	50.223	ng	0.00
79) Terphenyl-d14	19.857	244	1124241	56.721	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.257	152	38200	2.689	ng	98
71) Phenanthrene	17.333	178	213510	11.765	ng	98
72) Anthracene	17.422	178	74100	4.093	ng	97
75) Fluoranthene	19.304	202	477413	21.535	ng	98
78) Pyrene	19.657	202	478181	20.786	ng	99
81) Benzo(a)anthracene	21.368	228	270654	11.796	ng	94
83) Chrysene	21.421	228	223391	10.255	ng	96
87) Indeno(1,2,3-cd)pyrene	26.333	276	131374	4.517	ng	# 96
88) Benzo(b)fluoranthene	23.068	252	281076	11.737	ng	# 94
89) Benzo(k)fluoranthene	23.068	252	281076	12.287	ng	# 94
90) Benzo(a)pyrene	23.698	252	215280	10.103	ng	# 95
92) Benzo(g,h,i)perylene	27.109	276	132425	5.456	ng	94

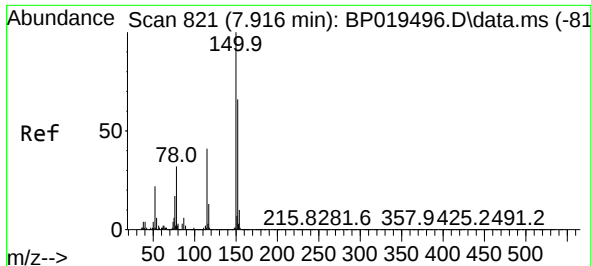
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
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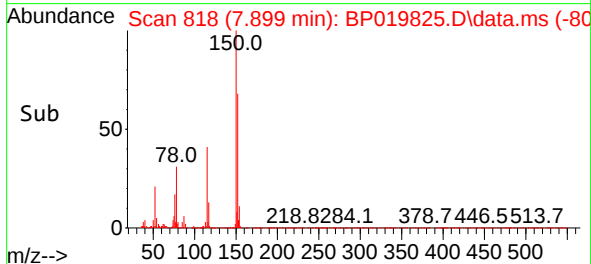
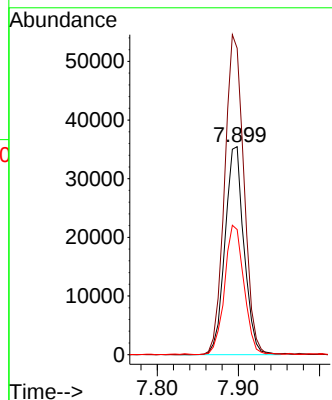
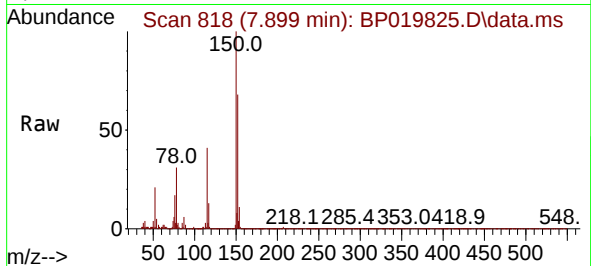




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

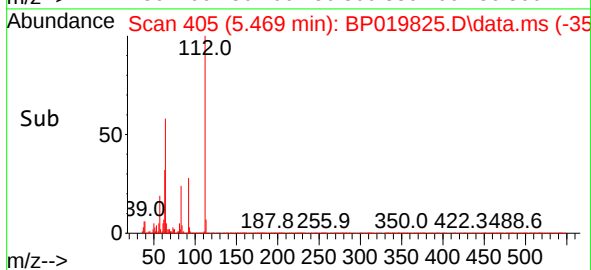
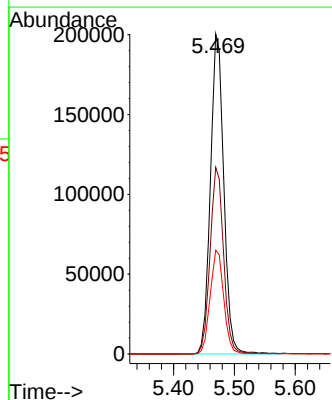
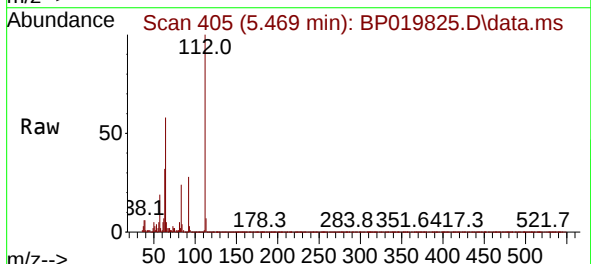
Instrument :
BNA_P
ClientSampleId :
9

Tgt Ion:152 Resp: 57649
Ion Ratio Lower Upper
152 100
150 147.4 121.8 182.8
115 60.2 49.9 74.9



#5
2-Fluorophenol
Concen: 85.491 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

Tgt Ion:112 Resp: 305753
Ion Ratio Lower Upper
112 100
64 58.3 47.4 71.0
63 32.4 27.0 40.6

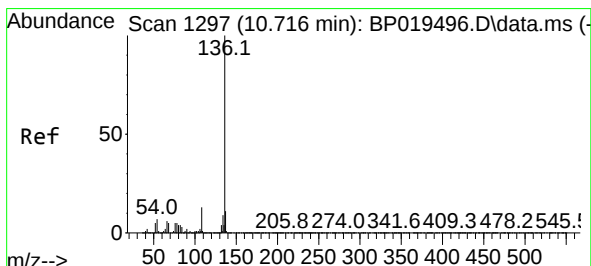
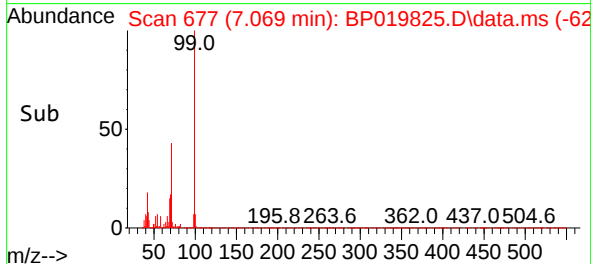
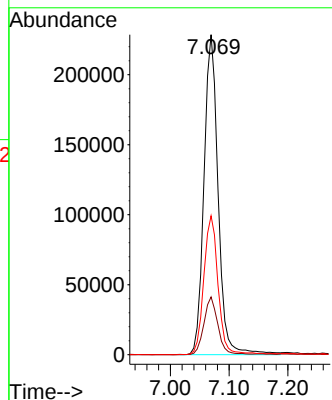
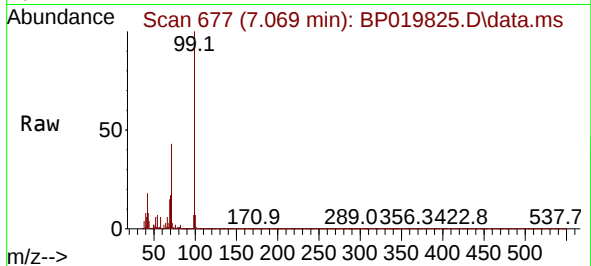




#7
Phenol-d6
Concen: 79.248 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

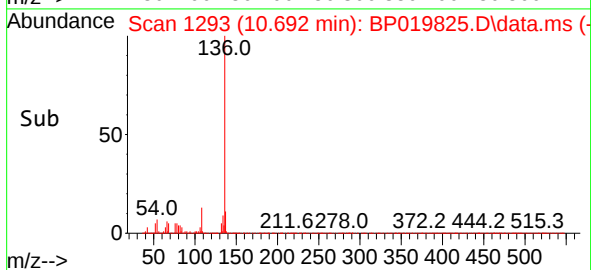
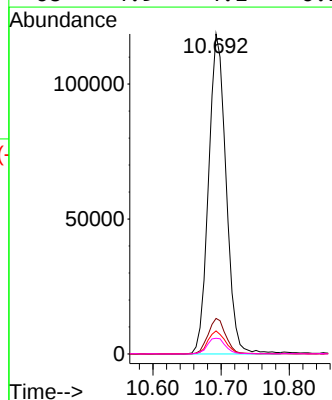
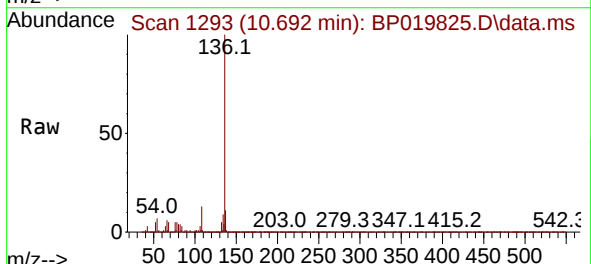
Instrument :
BNA_P
ClientSampleId :
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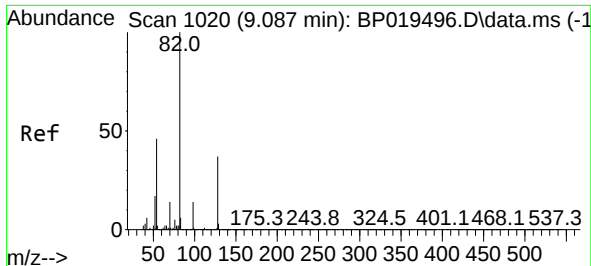
Tgt Ion: 99 Resp: 382159
Ion Ratio Lower Upper
99 100
42 18.1 14.7 22.1
71 43.4 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

Tgt Ion: 136 Resp: 212257
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.2 5.3 7.9
68 4.9 4.1 6.1

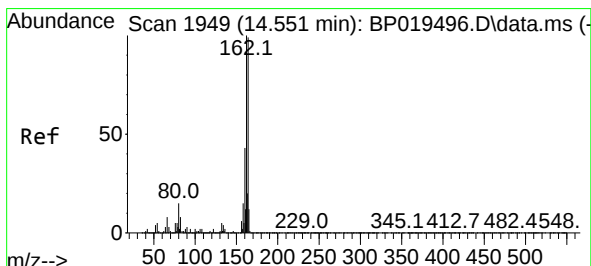
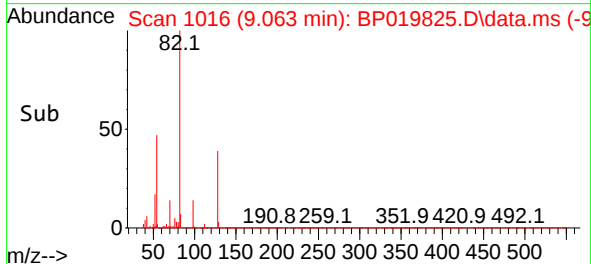
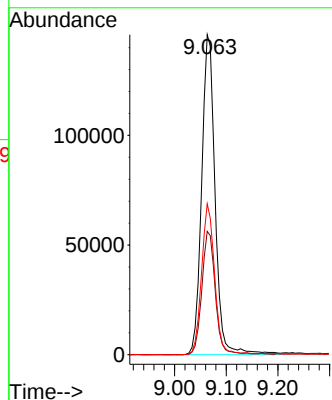
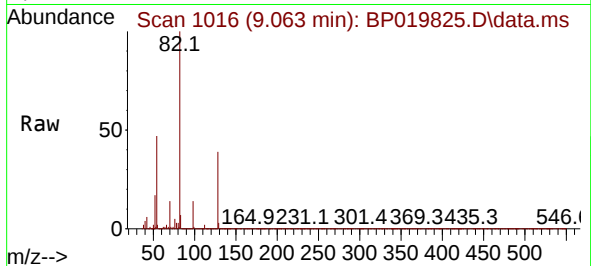




#23
Nitrobenzene-d5
Concen: 53.941 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

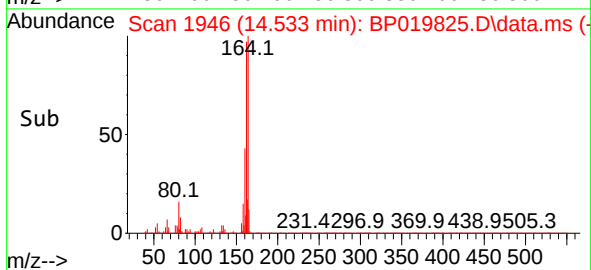
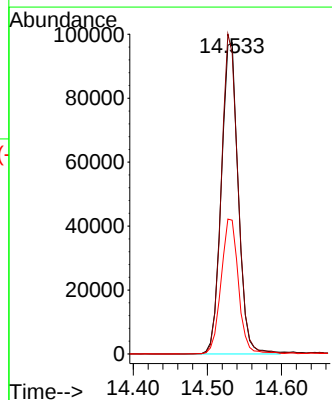
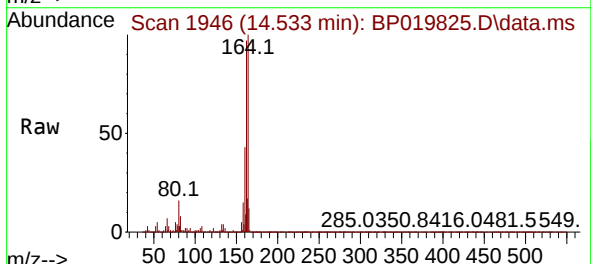
Instrument :
BNA_P
ClientSampleId :
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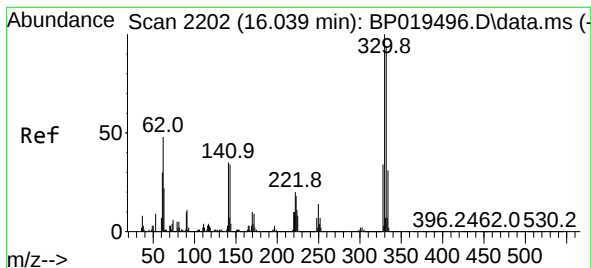
Tgt Ion: 82 Resp: 264228
Ion Ratio Lower Upper
82 100
128 38.6 29.7 44.5
54 47.2 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

Tgt Ion: 164 Resp: 154579
Ion Ratio Lower Upper
164 100
162 96.7 81.2 121.8
160 43.0 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 105.674 ng

RT: 16.028 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Instrument :

BNA_P

ClientSampleId :

9

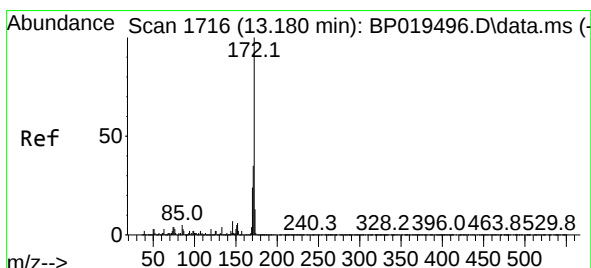
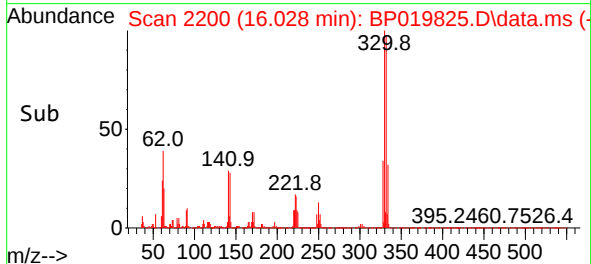
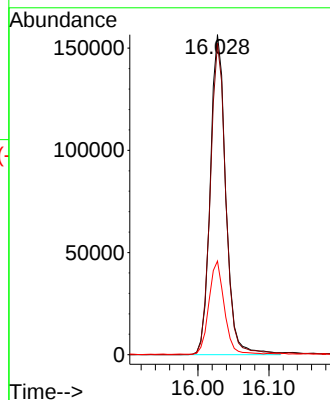
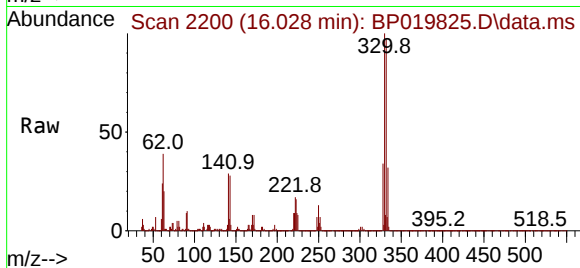
Tgt Ion:330 Resp: 238503

Ion Ratio Lower Upper

330 100

332 97.2 77.2 115.8

141 28.7 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 50.223 ng

RT: 13.157 min Scan# 1712

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

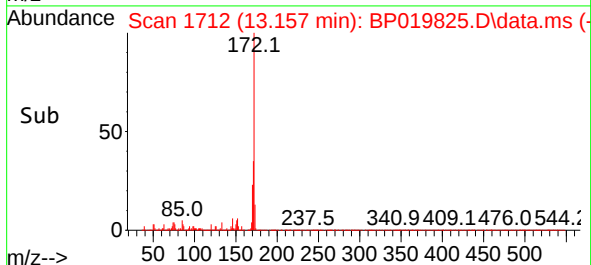
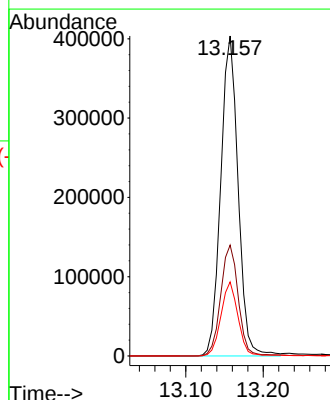
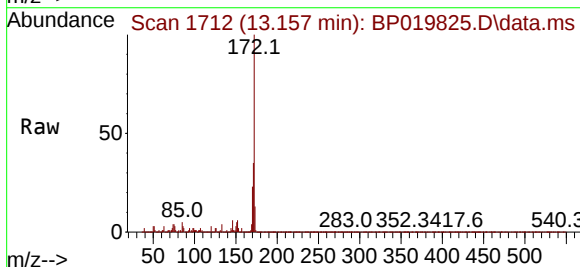
Tgt Ion:172 Resp: 627988

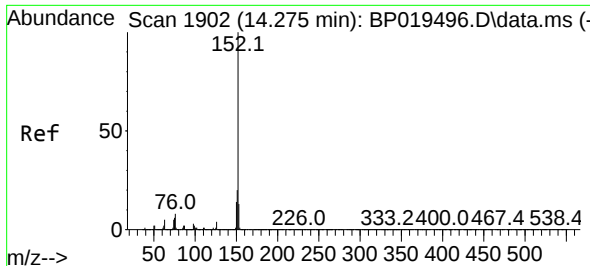
Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.4

170 23.1 18.9 28.3

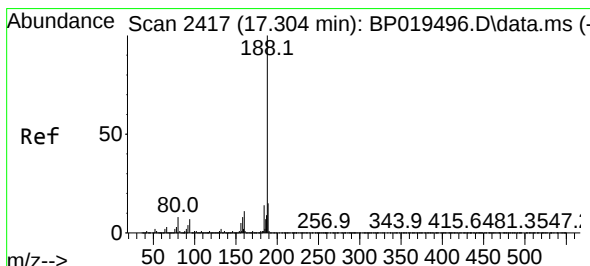
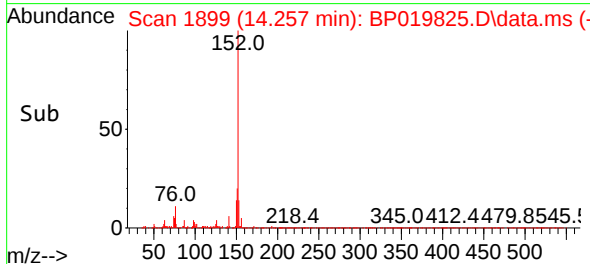
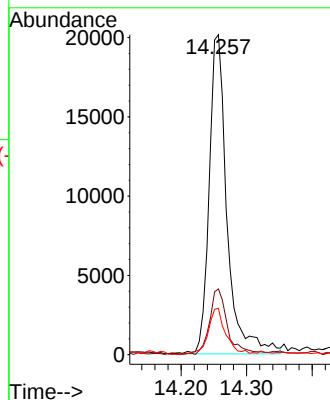
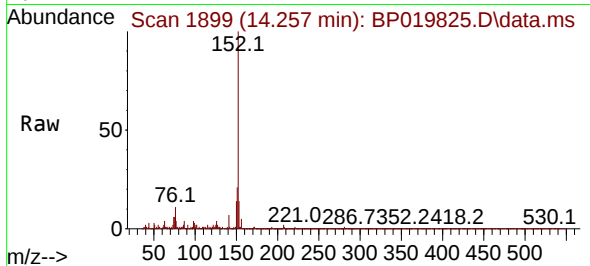




#49
Acenaphthylene
Concen: 2.689 ng
RT: 14.257 min Scan# 1899
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

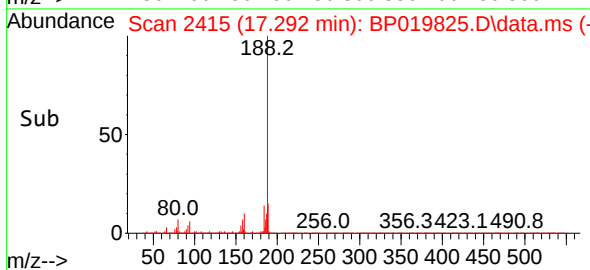
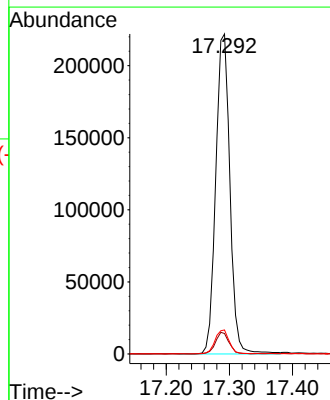
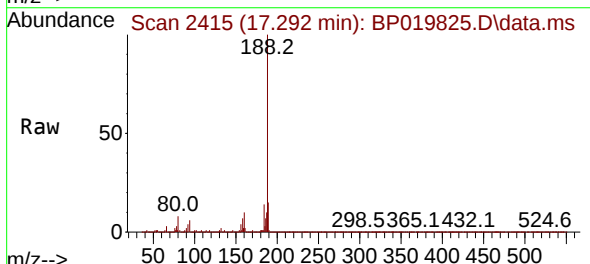
Instrument :
BNA_P
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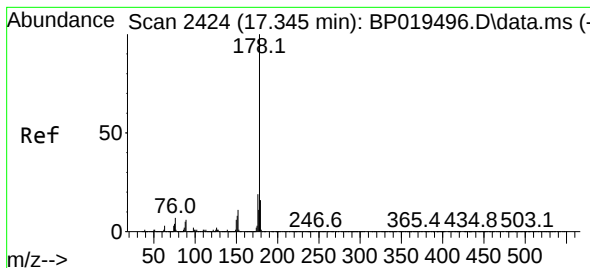
Tgt Ion:152	Resp:	38200
Ion Ratio	Lower	Upper
152	100	
151	20.6	15.8 23.6
153	14.5	10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

Tgt Ion:188	Resp:	344834
Ion Ratio	Lower	Upper
188	100	
94	6.4	5.4 8.2
80	7.5	6.3 9.5





#71

Phenanthrene

Concen: 11.765 ng

RT: 17.333 min Scan# 2422

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Instrument :

BNA_P

ClientSampleId :

9

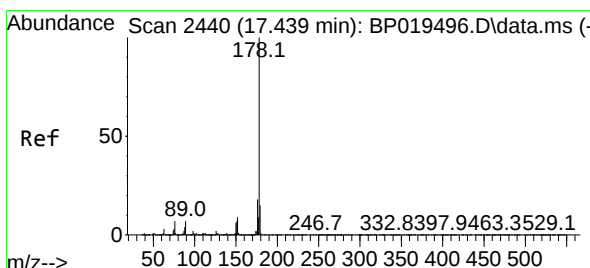
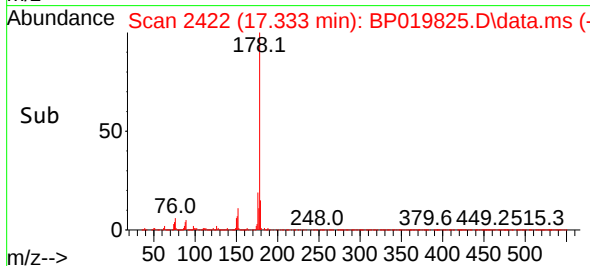
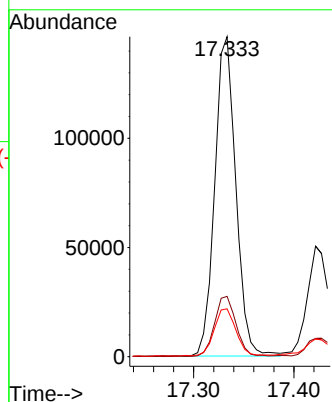
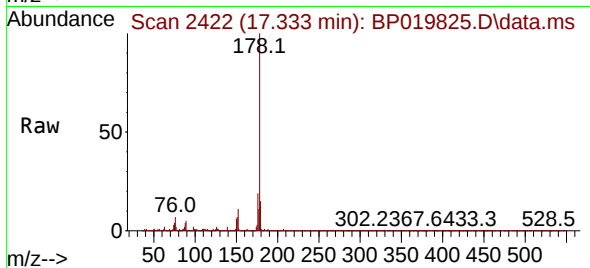
Tgt Ion:178 Resp: 213510

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.0 12.6 19.0



#72

Anthracene

Concen: 4.093 ng

RT: 17.422 min Scan# 2437

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

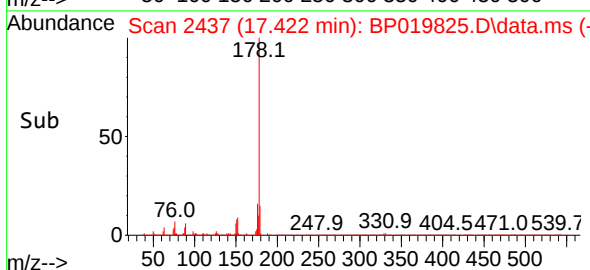
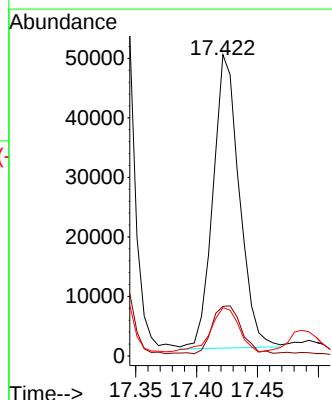
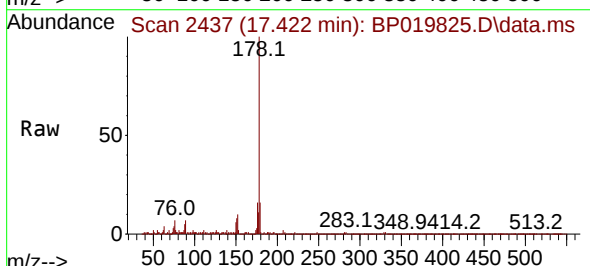
Tgt Ion:178 Resp: 74100

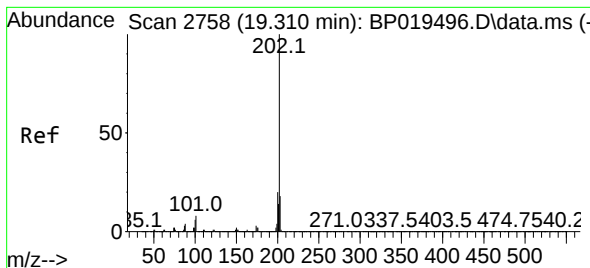
Ion Ratio Lower Upper

178 100

176 16.5 14.7 22.1

179 16.1 12.2 18.2





#75

Fluoranthene

Concen: 21.535 ng

RT: 19.304 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Instrument :

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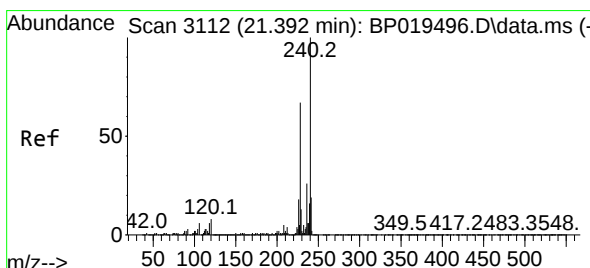
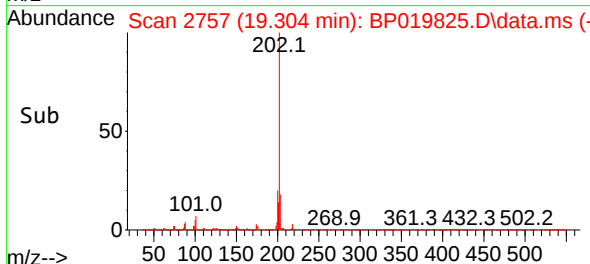
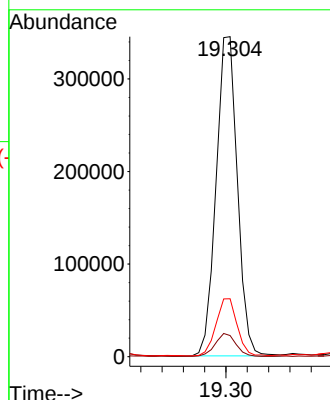
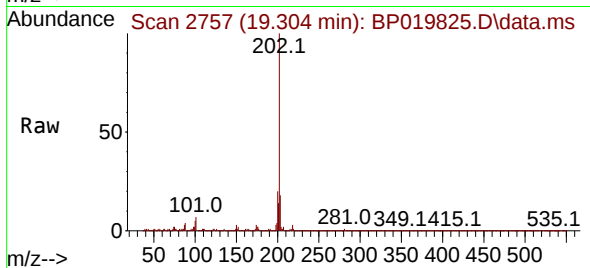
Tgt Ion:202 Resp: 477413

Ion Ratio Lower Upper

202 100

101 6.6 0.0 27.7

203 18.1 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: BP019825.D

Acq: 22 Feb 2024 15:32

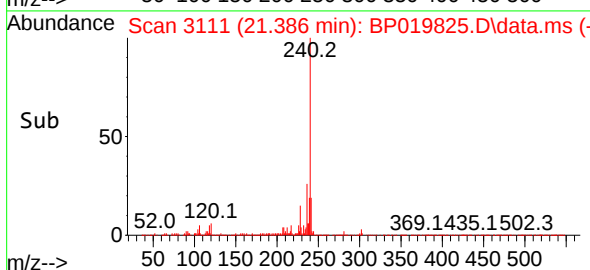
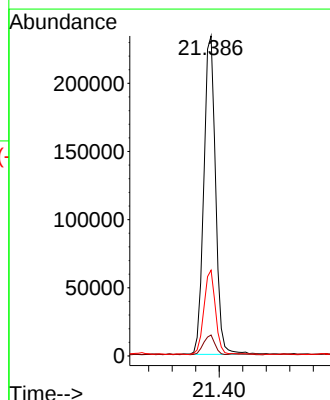
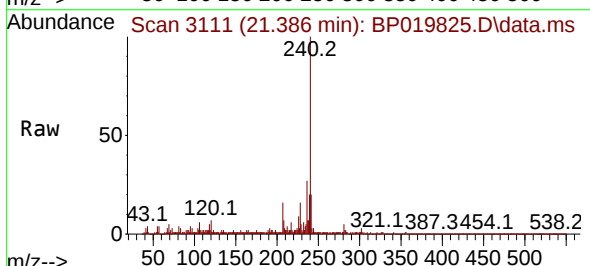
Tgt Ion:240 Resp: 325956

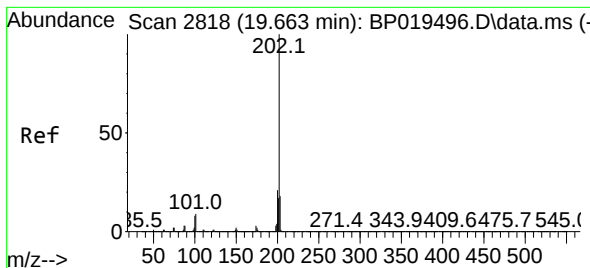
Ion Ratio Lower Upper

240 100

120 6.5 6.1 9.1

236 26.8 20.7 31.1





#78

Pyrene

Concen: 20.786 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.000 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Instrument :

BNA_P

ClientSampleId :

9

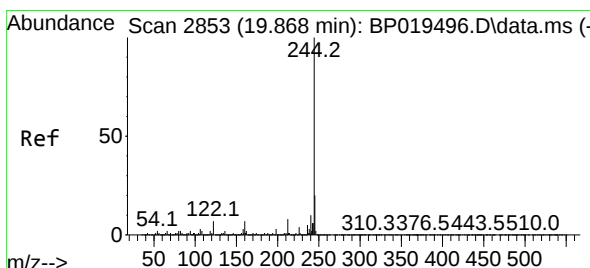
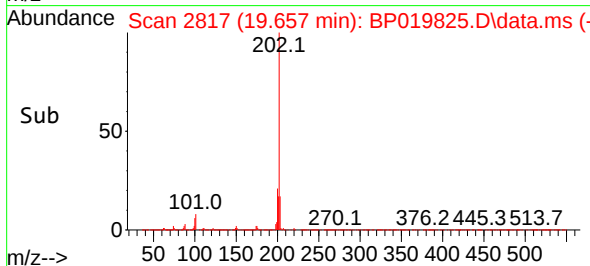
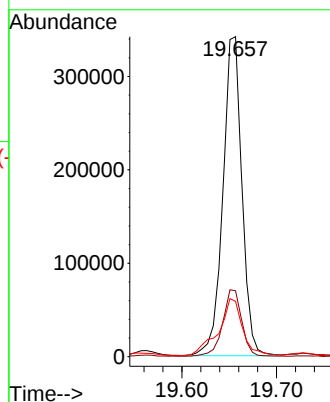
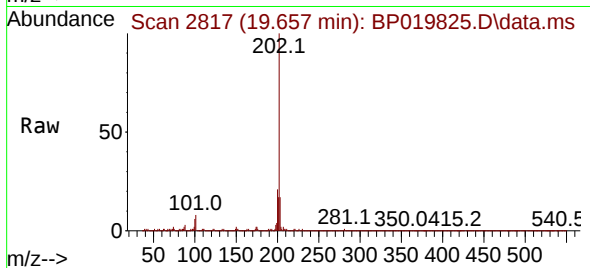
Tgt Ion:202 Resp: 478181

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.3 14.2 21.2



#79

Terphenyl-d14

Concen: 56.721 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

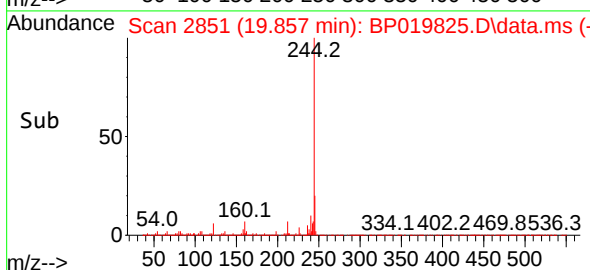
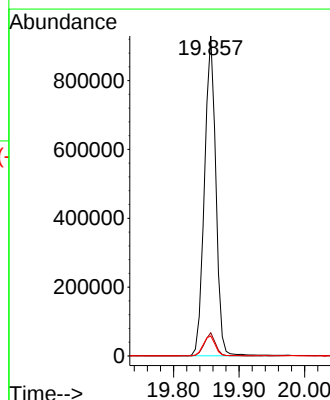
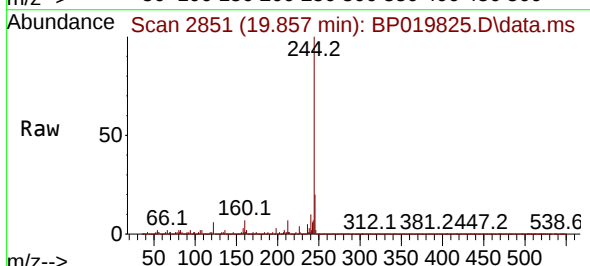
Tgt Ion:244 Resp: 1124241

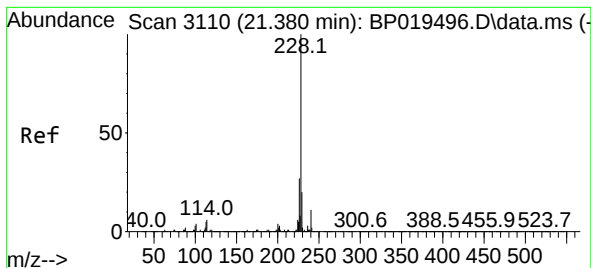
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 6.2 5.9 8.9





#81

Benzo(a)anthracene

Concen: 11.796 ng

RT: 21.368 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Instrument :

BNA_P

ClientSampleId :

9

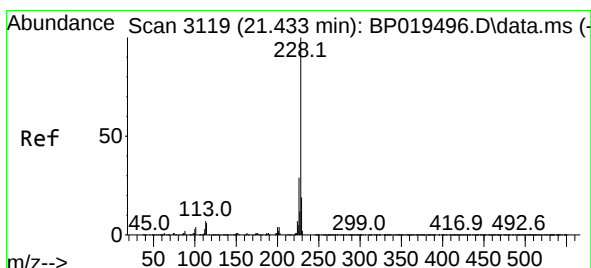
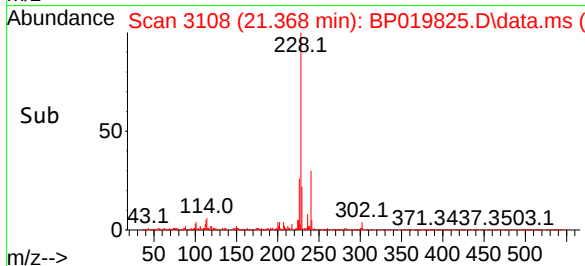
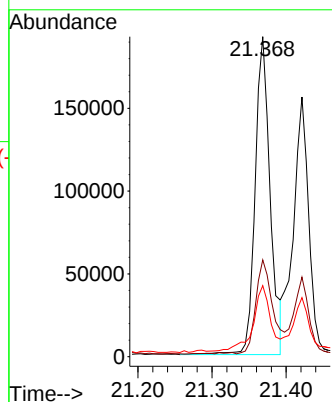
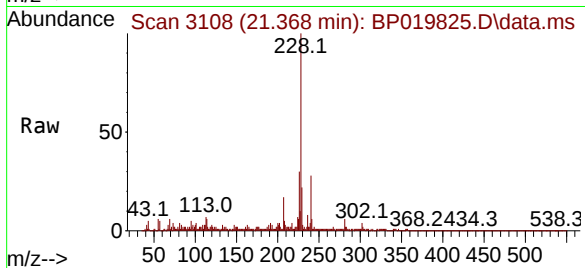
Tgt Ion:228 Resp: 270654

Ion Ratio Lower Upper

228 100

226 30.2 21.7 32.5

229 22.2 15.6 23.4



#83

Chrysene

Concen: 10.255 ng

RT: 21.421 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

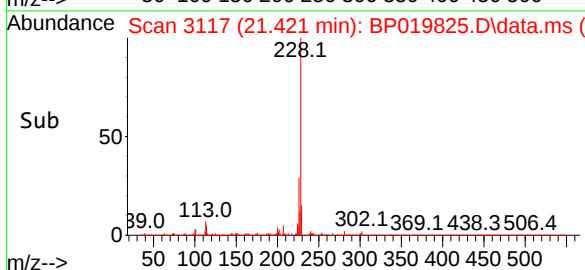
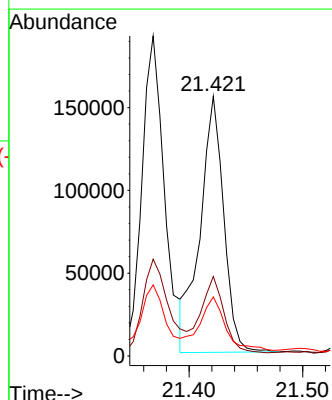
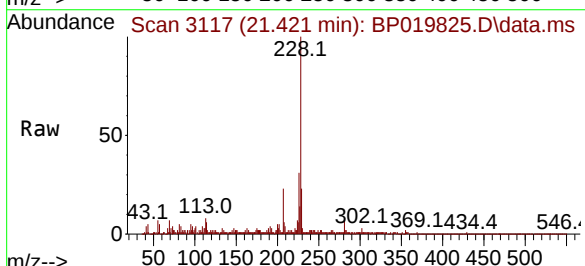
Tgt Ion:228 Resp: 223391

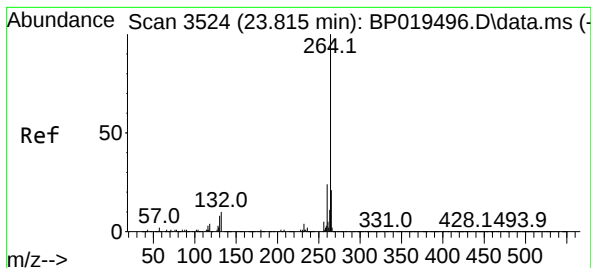
Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 22.7 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Instrument :

BNA_P

ClientSampleId :

9

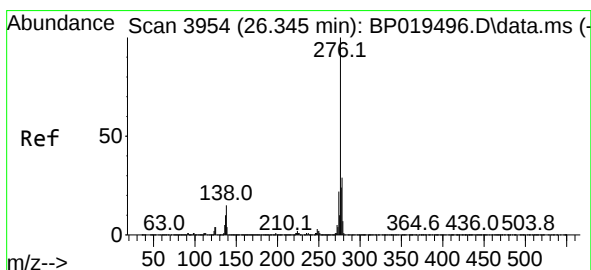
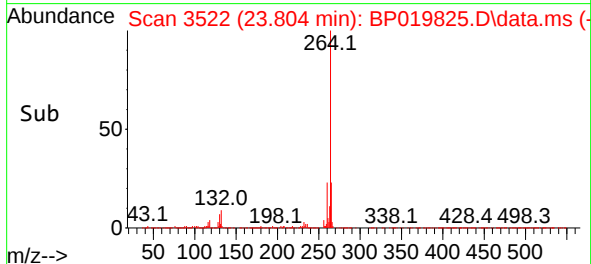
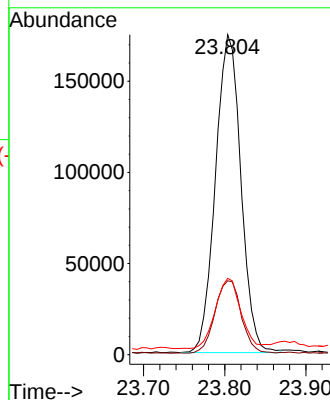
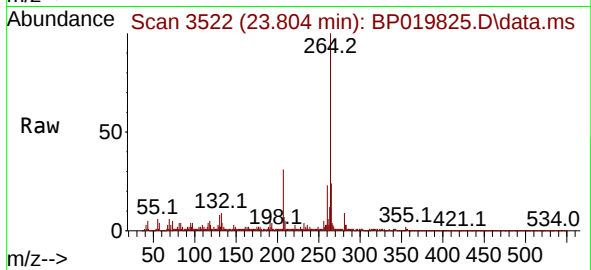
Tgt Ion:264 Resp: 379984

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 23.9 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.517 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.012 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

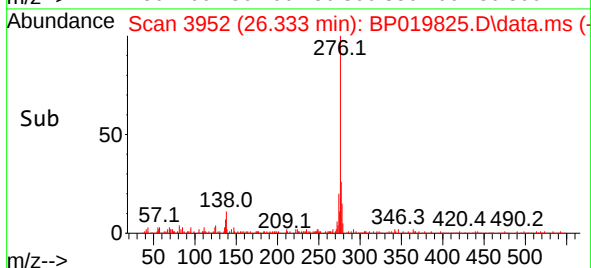
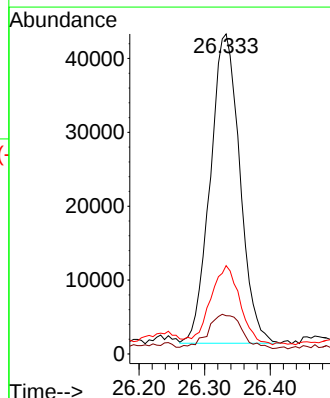
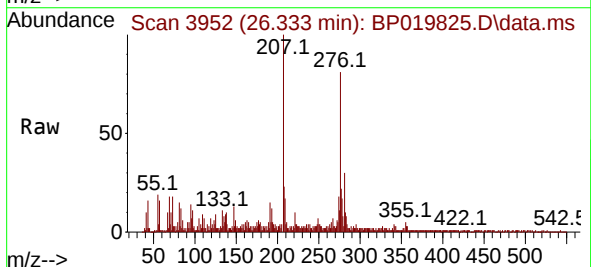
Tgt Ion:276 Resp: 131374

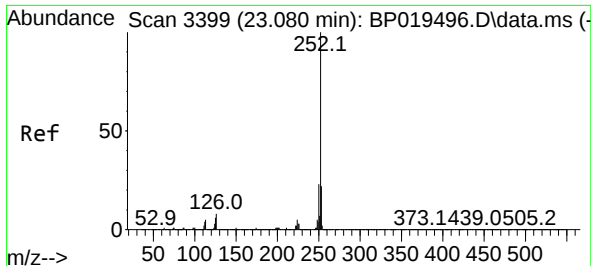
Ion Ratio Lower Upper

276 100

138 12.6 13.1 19.7#

277 26.2 20.3 30.5

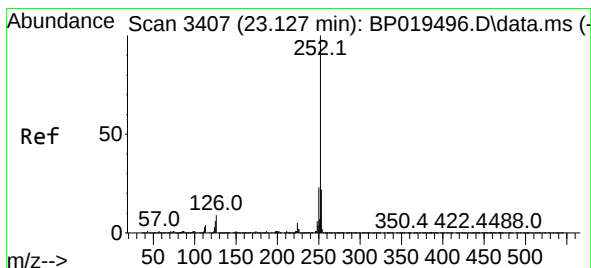
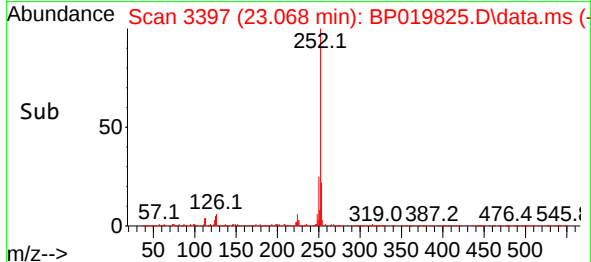
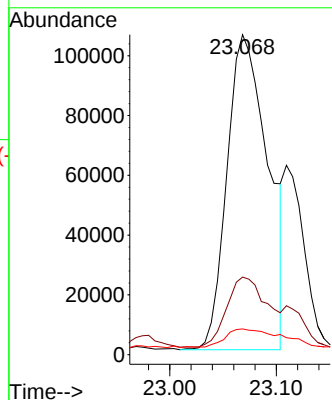
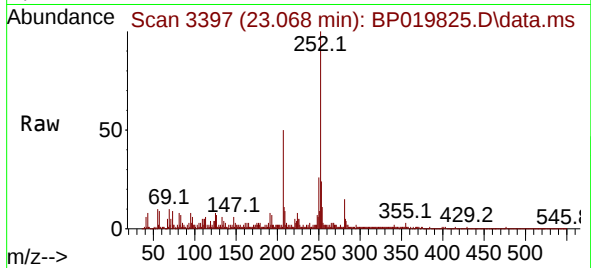




#88
Benzo(b)fluoranthene
Concen: 11.737 ng
RT: 23.068 min Scan# 3397
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

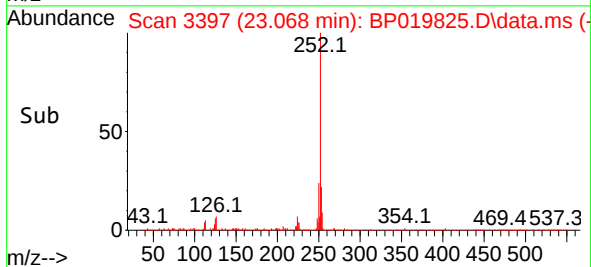
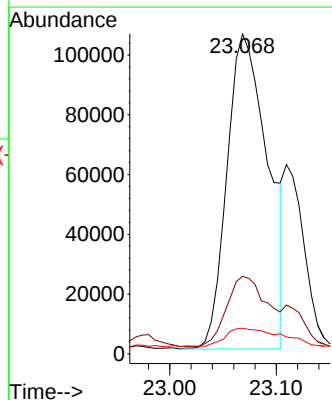
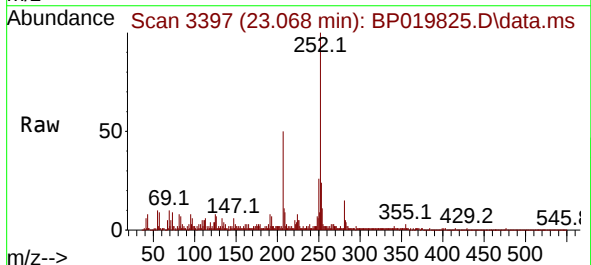
Instrument :
BNA_P
ClientSampleId :
9

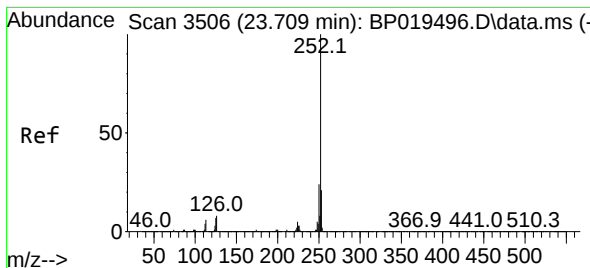
Tgt Ion:252 Resp: 281076
Ion Ratio Lower Upper
252 100
253 24.2 17.3 25.9
125 8.0 4.9 7.3#



#89
Benzo(k)fluoranthene
Concen: 12.287 ng
RT: 23.068 min Scan# 3397
Delta R.T. -0.053 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

Tgt Ion:252 Resp: 281076
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 8.0 5.0 7.6#





#90

Benzo(a)pyrene

Concen: 10.103 ng

RT: 23.698 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Instrument :

BNA_P

ClientSampleId :

9

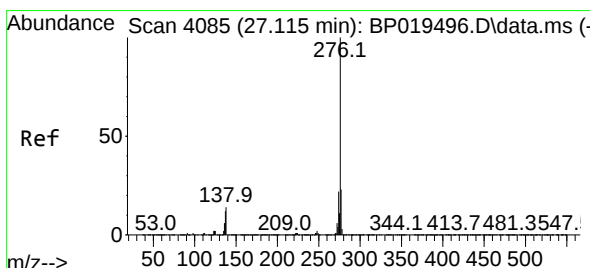
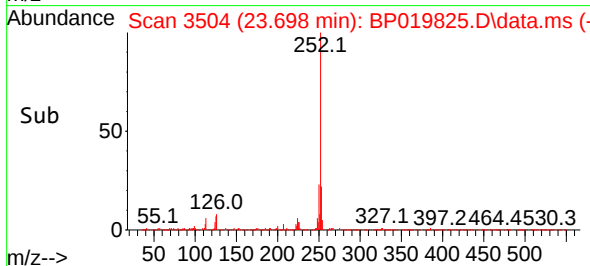
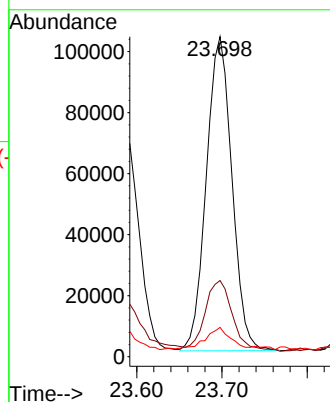
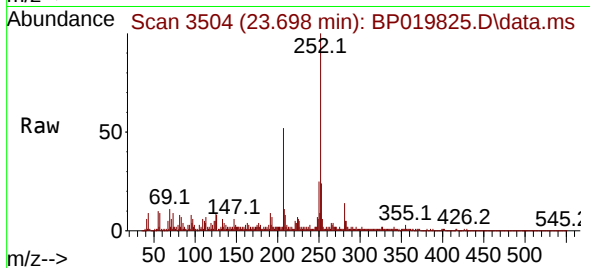
Tgt Ion:252 Resp: 215280

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 9.1 5.6 8.4#



#92

Benzo(g,h,i)perylene

Concen: 5.456 ng

RT: 27.109 min Scan# 4084

Delta R.T. -0.012 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Tgt Ion:276 Resp: 132425

Ion Ratio Lower Upper

276 100

277 27.0 18.6 28.0

138 12.7 10.9 16.3

