

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
 Data File : BP019826.D
 Acq On : 22 Feb 2024 16:06
 Operator : MA/JU
 Sample : P1537-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 8

Quant Time: Feb 22 16:44:52 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)

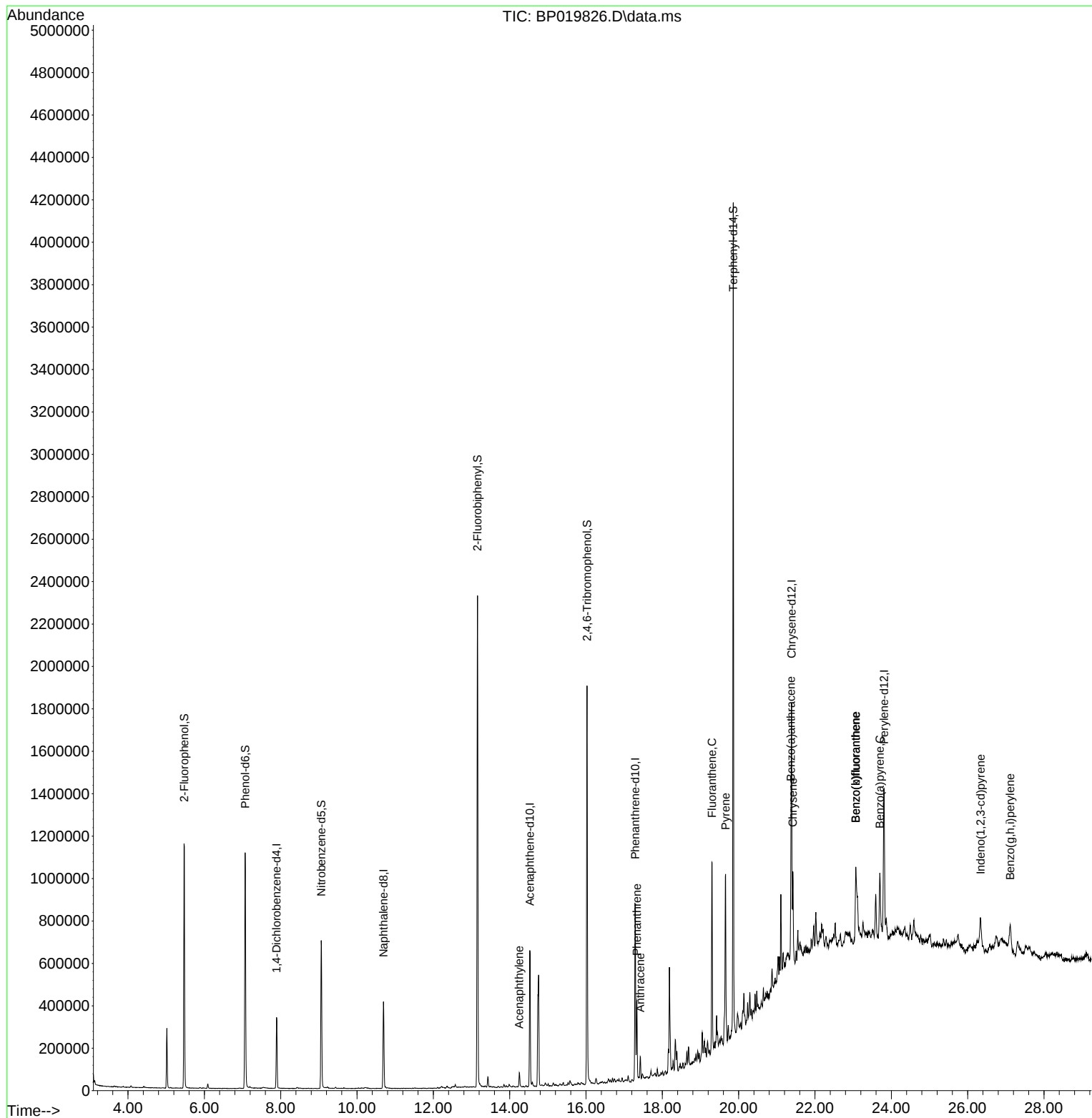
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	93154	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	341261	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	242958	20.000	ng	-0.01
64) Phenanthrene-d10	17.287	188	547214	20.000	ng	0.00
76) Chrysene-d12	21.386	240	531074	20.000	ng	# 0.00
86) Perylene-d12	23.810	264	612484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	492242	85.177	ng	0.00
7) Phenol-d6	7.069	99	635165	81.512	ng	0.00
23) Nitrobenzene-d5	9.063	82	434730	55.200	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	404427	114.008	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	1267753	64.506	ng	0.00
79) Terphenyl-d14	19.857	244	1925851	59.637	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.251	152	55299	2.476	ng	96
71) Phenanthrene	17.334	178	235195	8.167	ng	99
72) Anthracene	17.422	178	71028	2.472	ng	97
75) Fluoranthene	19.298	202	547825	15.572	ng	99
78) Pyrene	19.657	202	523443	13.966	ng	99
81) Benzo(a)anthracene	21.369	228	270959	7.248	ng	94
83) Chrysene	21.422	228	277981	7.832	ng	95
87) Indeno(1,2,3-cd)pyrene	26.339	276	173319	3.697	ng	# 95
88) Benzo(b)fluoranthene	23.069	252	357044	9.249	ng	95
89) Benzo(k)fluoranthene	23.069	252	357044	9.683	ng	95
90) Benzo(a)pyrene	23.698	252	246804	7.186	ng	95
92) Benzo(g,h,i)perylene	27.115	276	181667	4.644	ng	98

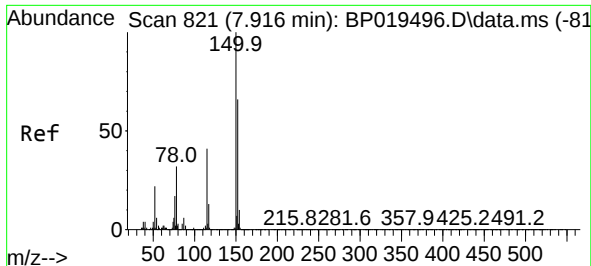
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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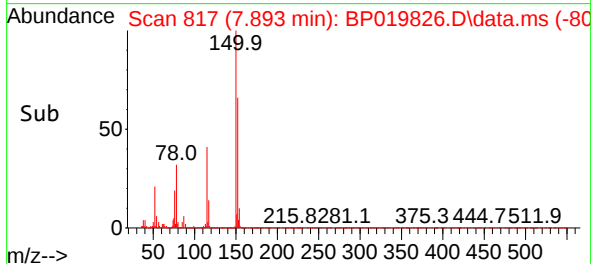
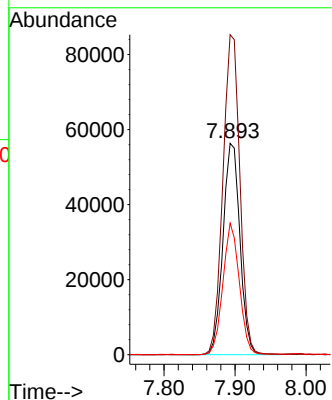
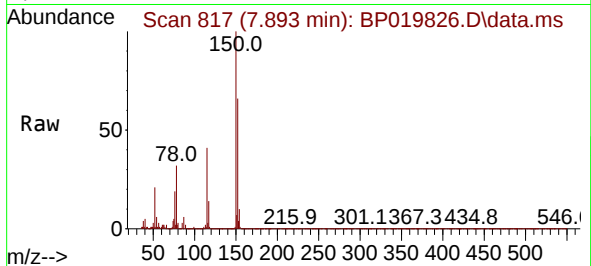




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

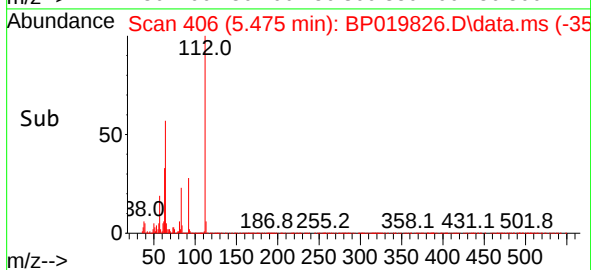
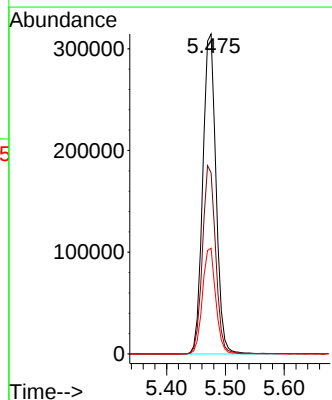
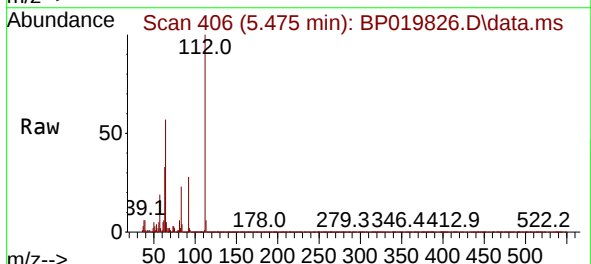
Instrument :
BNA_P
ClientSampleId :
8

Tgt Ion:152 Resp: 93154
Ion Ratio Lower Upper
152 100
150 151.3 121.8 182.8
115 62.2 49.9 74.9



#5
2-Fluorophenol
Concen: 85.177 ng
RT: 5.475 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

Tgt Ion:112 Resp: 492242
Ion Ratio Lower Upper
112 100
64 56.6 47.4 71.0
63 33.1 27.0 40.6





#7

Phenol-d6

Concen: 81.512 ng

RT: 7.069 min Scan# 61

Delta R.T. 0.000 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

Instrument :

BNA_P

ClientSampleId :

8

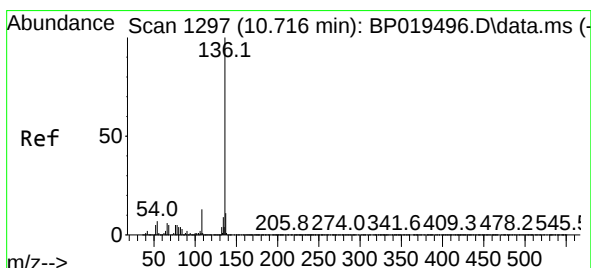
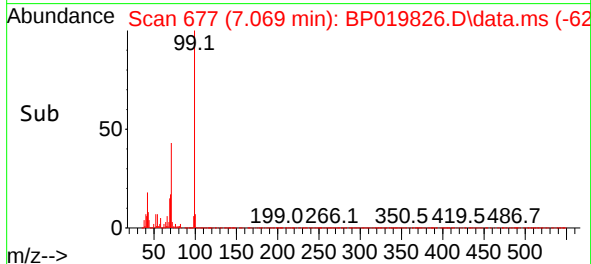
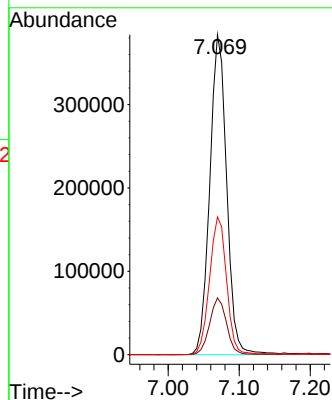
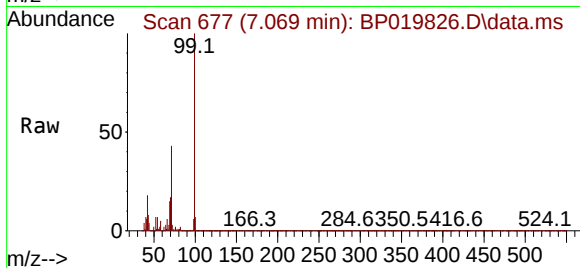
Tgt Ion: 99 Resp: 635165

Ion Ratio Lower Upper

99 100

42 17.8 14.7 22.1

71 43.0 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: BP019826.D

Acq: 22 Feb 2024 16:06

Tgt Ion: 136 Resp: 341261

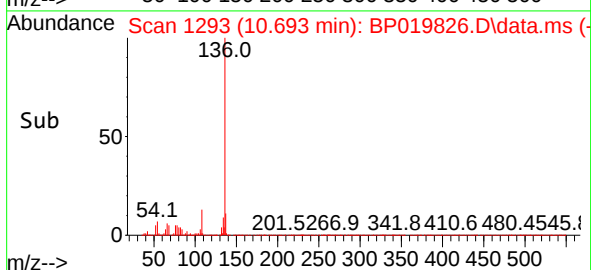
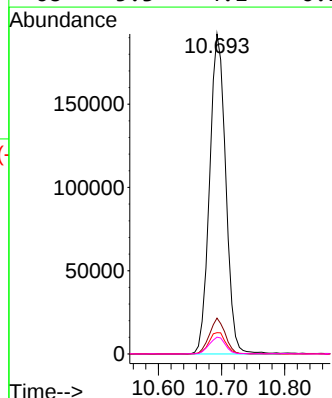
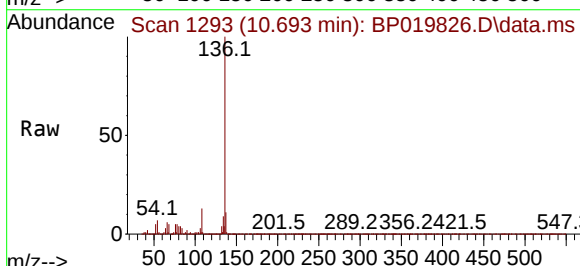
Ion Ratio Lower Upper

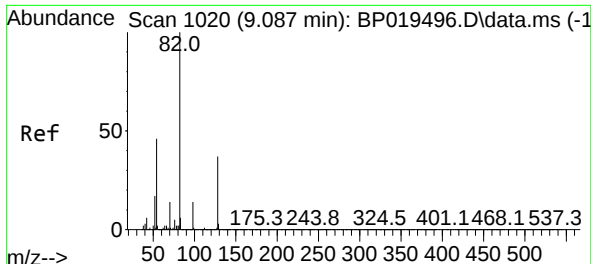
136 100

137 11.2 8.8 13.2

54 6.7 5.3 7.9

68 5.3 4.1 6.1

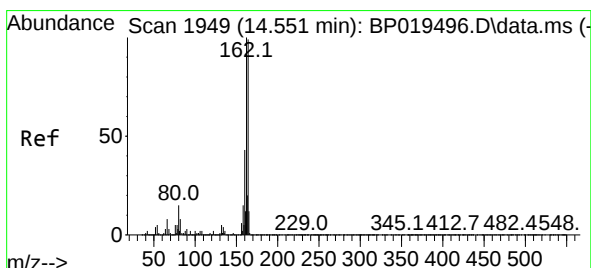
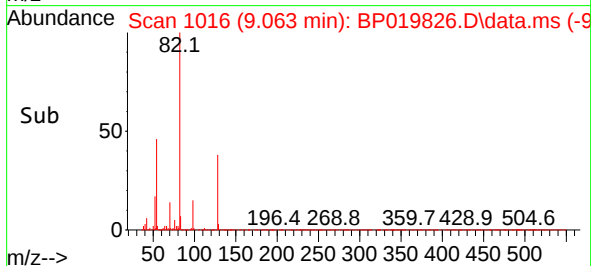
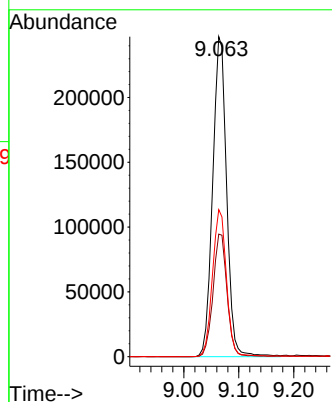
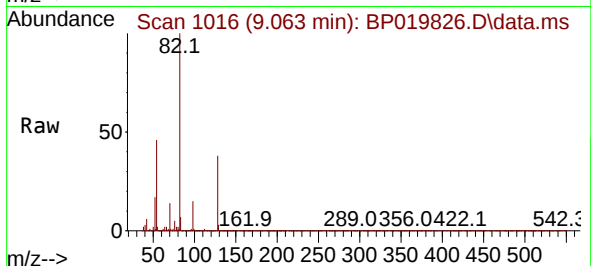




#23
Nitrobenzene-d5
Concen: 55.200 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

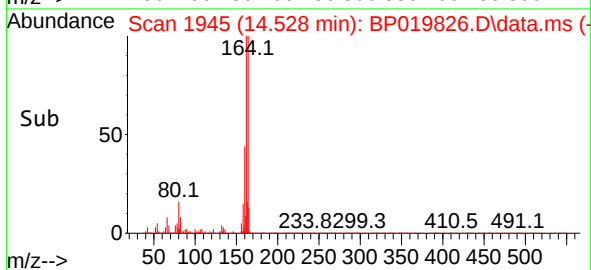
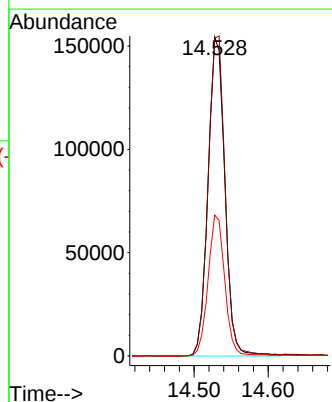
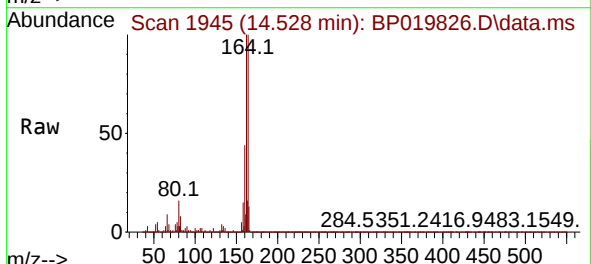
Instrument :
BNA_P
ClientSampleId :
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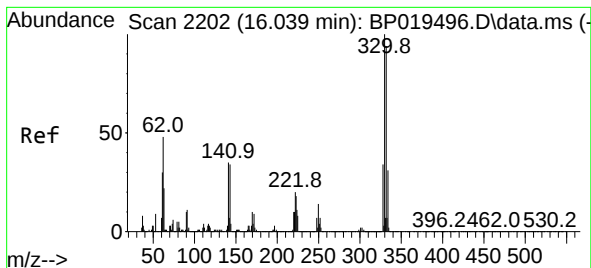
Tgt Ion: 82 Resp: 434730
Ion Ratio Lower Upper
82 100
128 38.3 29.7 44.5
54 46.0 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.528 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

Tgt Ion:164 Resp: 242958
Ion Ratio Lower Upper
164 100
162 99.7 81.2 121.8
160 44.2 35.1 52.7



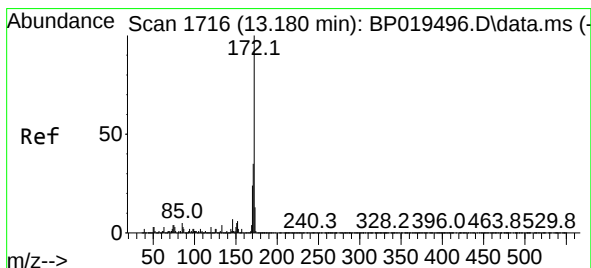
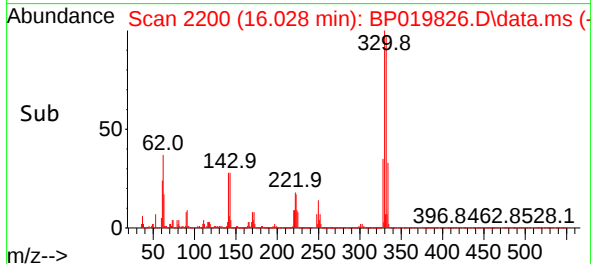
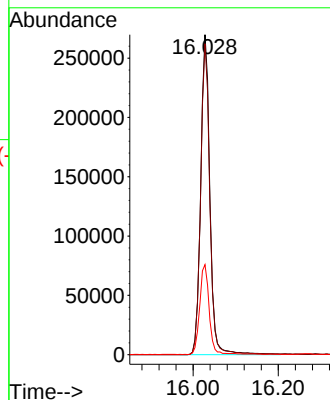
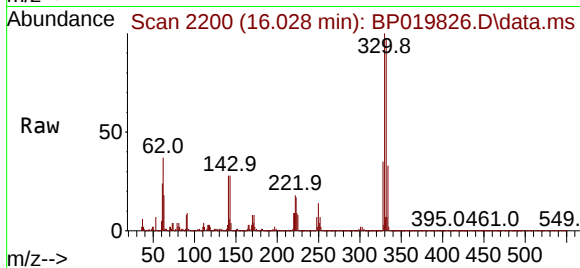


#42
 2,4,6-Tribromophenol
 Concen: 114.008 ng
 RT: 16.028 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019826.D
 Acq: 22 Feb 2024 16:06

Instrument :
 BNA_P
 ClientSampleId :
 8

Tgt Ion: 330 Resp: 404427

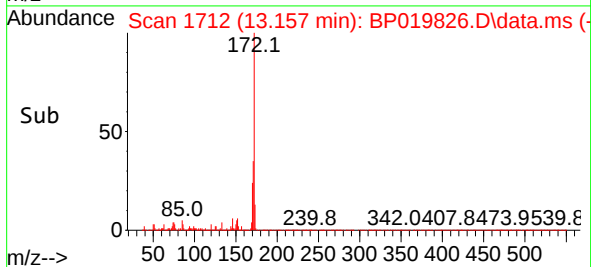
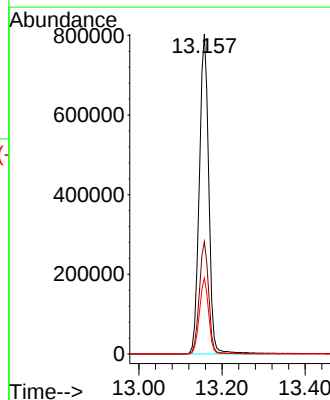
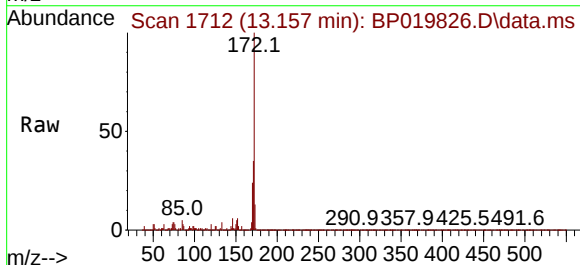
Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.2	115.8
141	28.8	27.0	40.4

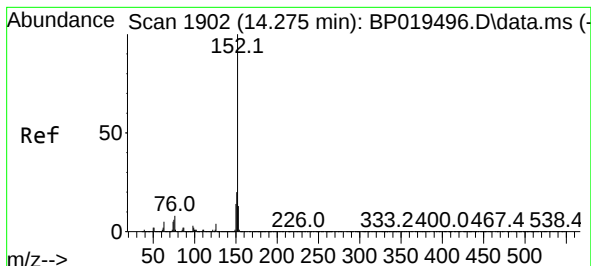


#45
 2-Fluorobiphenyl
 Concen: 64.506 ng
 RT: 13.157 min Scan# 1712
 Delta R.T. -0.006 min
 Lab File: BP019826.D
 Acq: 22 Feb 2024 16:06

Tgt Ion: 172 Resp: 1267753

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.7	18.9	28.3





#49

Acenaphthylene

Concen: 2.476 ng

RT: 14.251 min Scan# 1898

Delta R.T. -0.012 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

Instrument :

BNA_P

ClientSampleId :

8

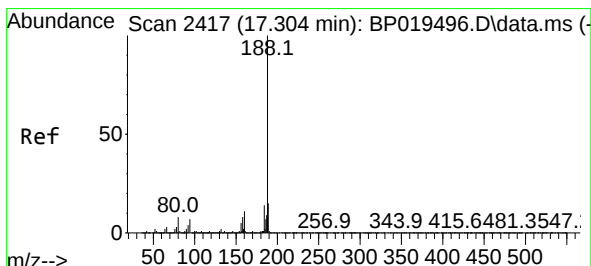
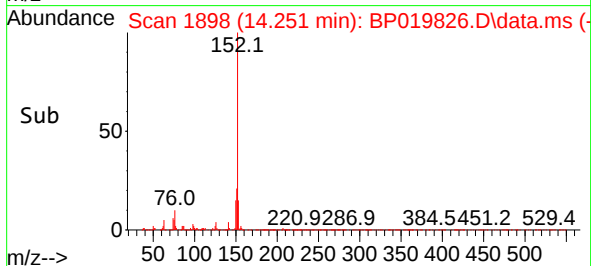
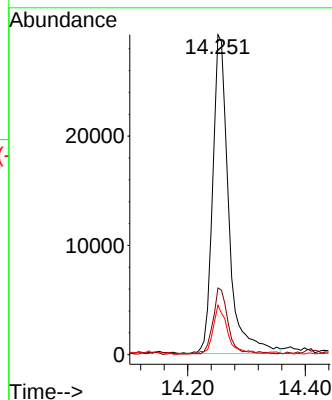
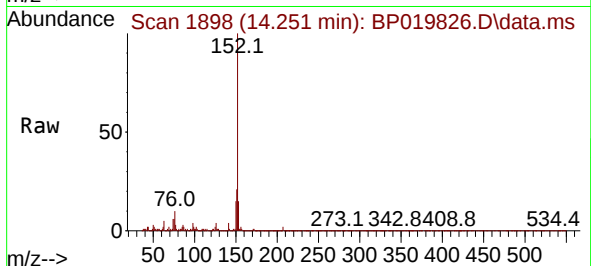
Tgt Ion:152 Resp: 55299

Ion Ratio Lower Upper

152 100

151 20.9 15.8 23.6

153 15.5 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.287 min Scan# 2414

Delta R.T. -0.006 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

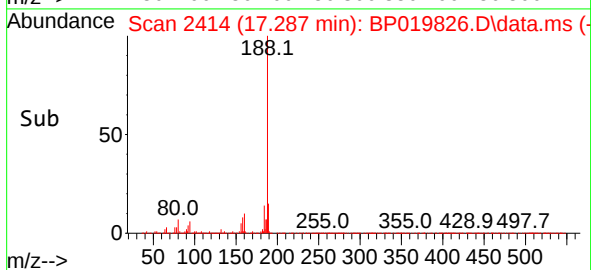
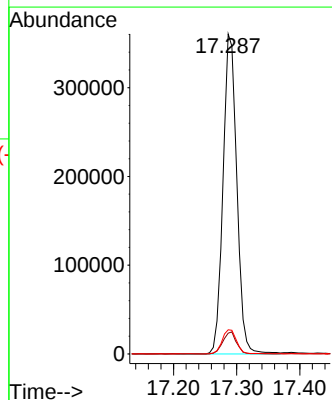
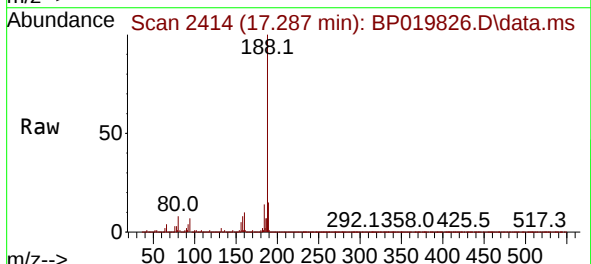
Tgt Ion:188 Resp: 547214

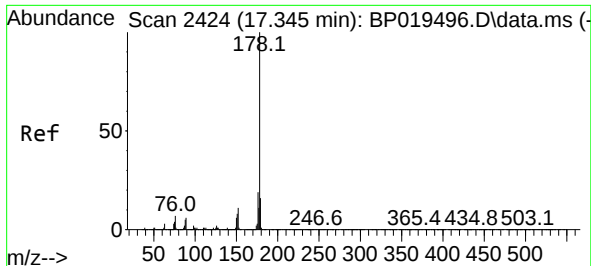
Ion Ratio Lower Upper

188 100

94 6.5 5.4 8.2

80 7.6 6.3 9.5

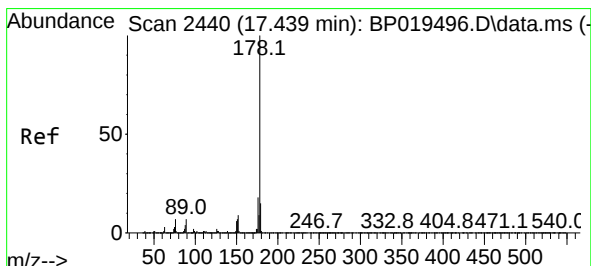
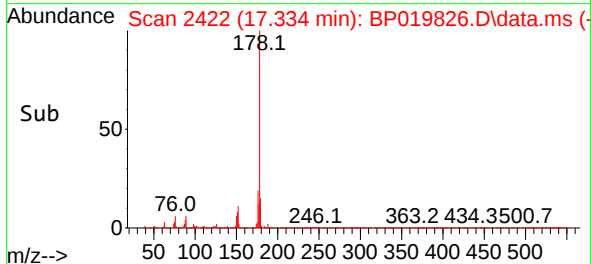
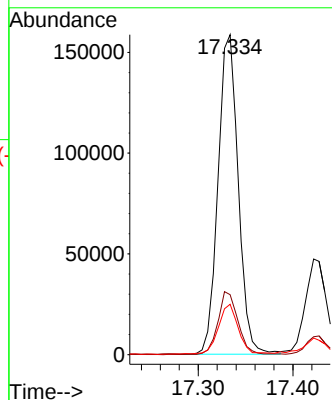
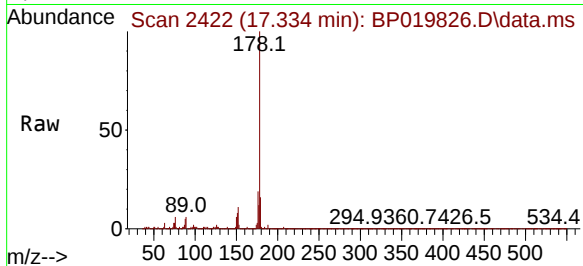




#71
Phenanthrene
Concen: 8.167 ng
RT: 17.334 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

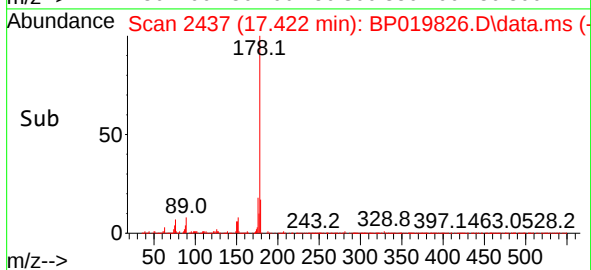
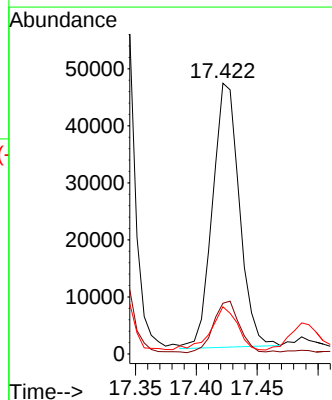
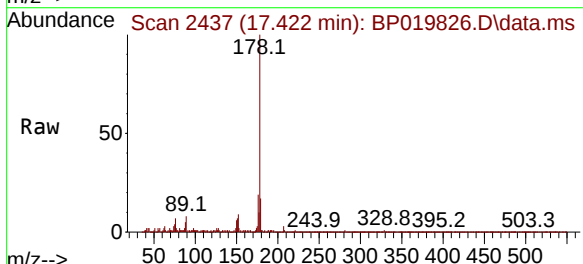
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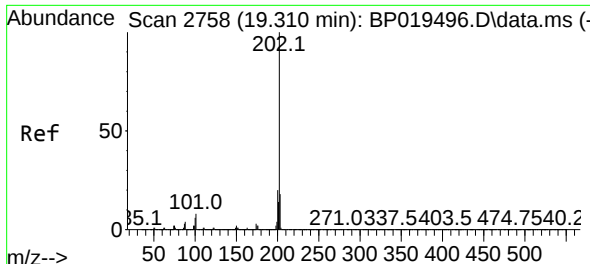
Tgt Ion:178 Resp: 235195
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.7 12.6 19.0



#72
Anthracene
Concen: 2.472 ng
RT: 17.422 min Scan# 2437
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

Tgt Ion:178 Resp: 71028
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 17.4 12.2 18.2

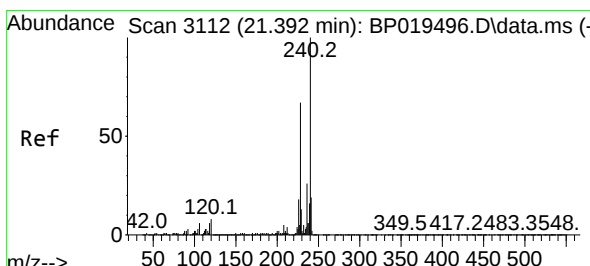
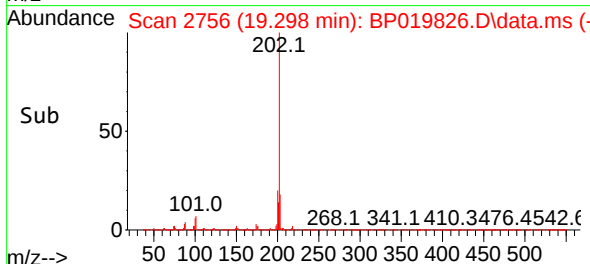
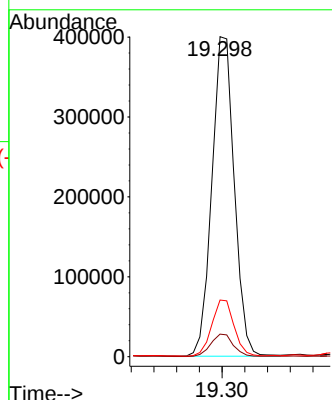
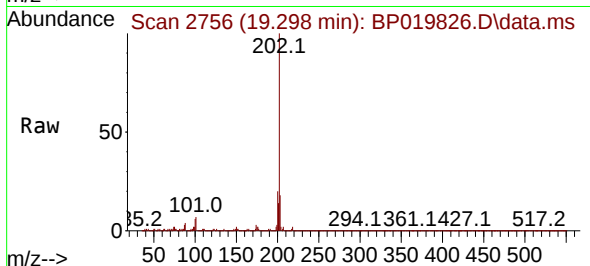




#75
Fluoranthene
Concen: 15.572 ng
RT: 19.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

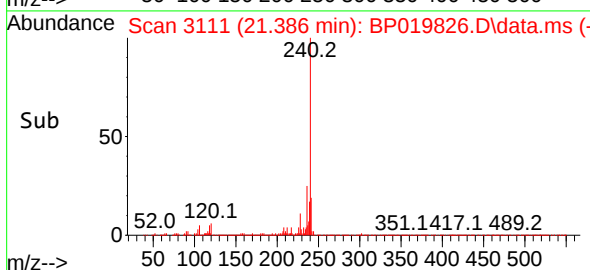
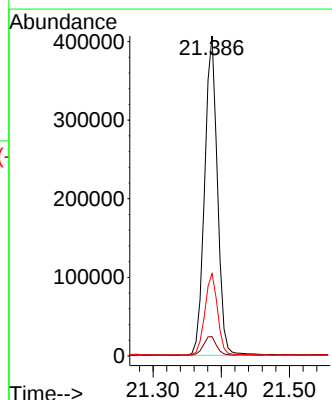
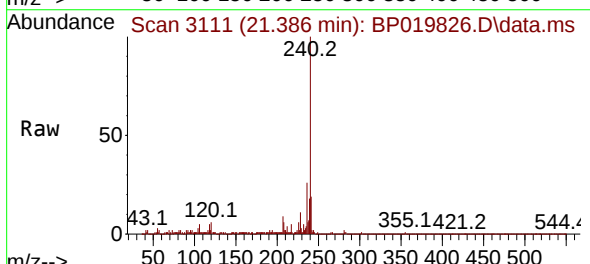
Instrument :
BNA_P
ClientSampleId :
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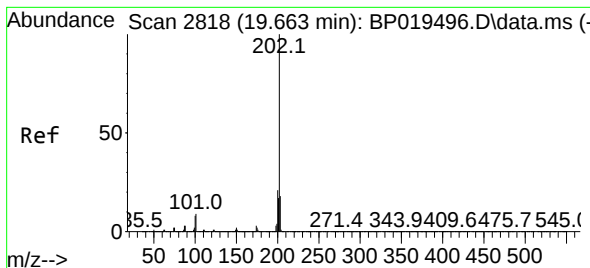
Tgt Ion:202 Resp: 547825
Ion Ratio Lower Upper
202 100
101 7.1 0.0 27.7
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP019826.D
Acq: 22 Feb 2024 16:06

Tgt Ion:240 Resp: 531074
Ion Ratio Lower Upper
240 100
120 6.1 6.1 9.1#
236 25.7 20.7 31.1





#78

Pyrene

Concen: 13.966 ng

RT: 19.657 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

Instrument :

BNA_P

ClientSampleId :

8

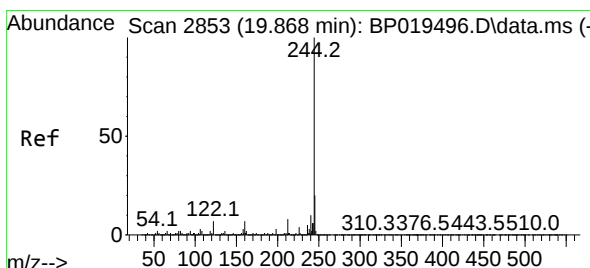
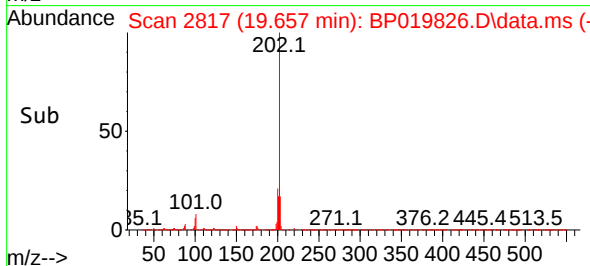
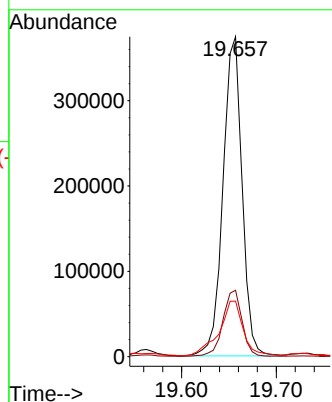
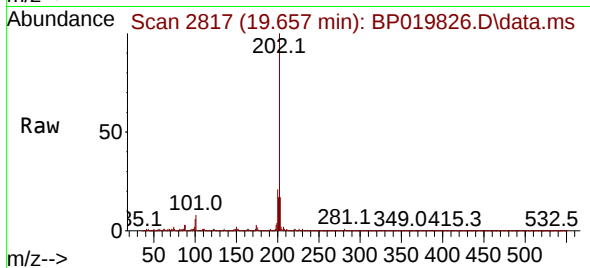
Tgt Ion:202 Resp: 523443

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 17.4 14.2 21.2



#79

Terphenyl-d14

Concen: 59.637 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.006 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

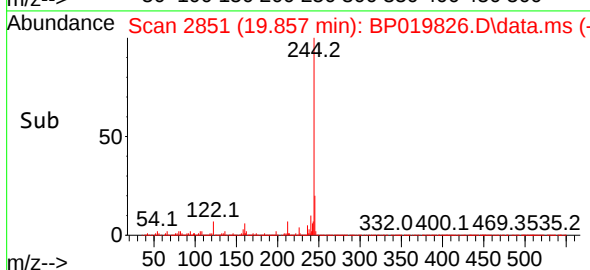
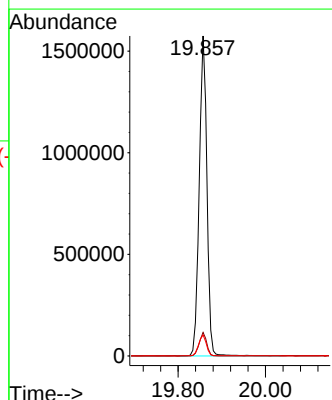
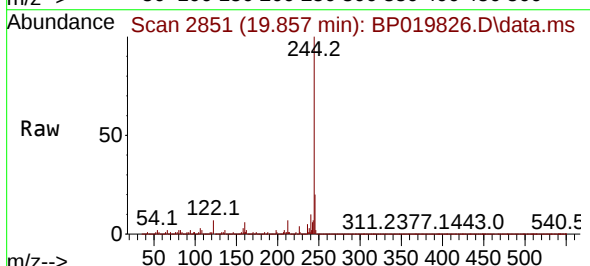
Tgt Ion:244 Resp: 1925851

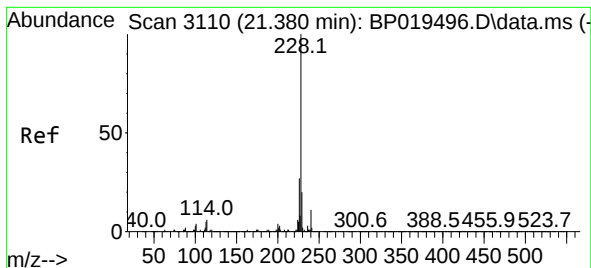
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 6.6 5.9 8.9





#81

Benzo(a)anthracene

Concen: 7.248 ng

RT: 21.369 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

Instrument :

BNA_P

ClientSampleId :

8

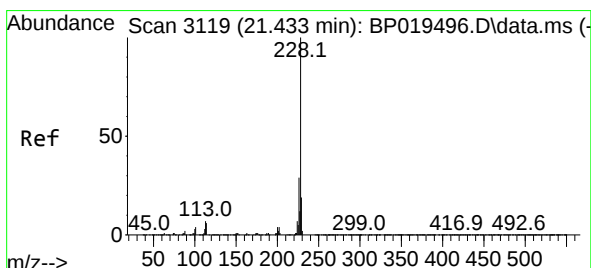
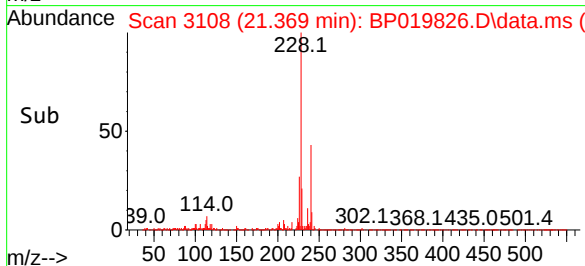
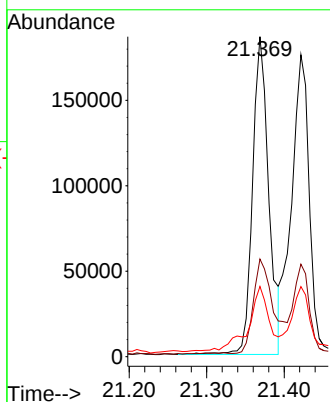
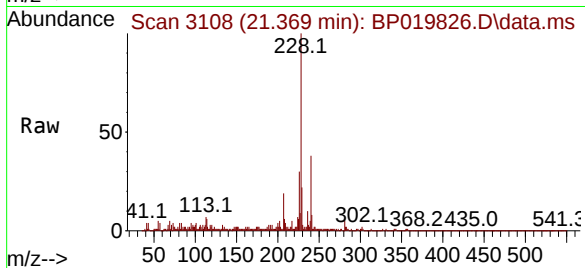
Tgt Ion:228 Resp: 270959

Ion Ratio Lower Upper

228 100

226 30.5 21.7 32.5

229 22.0 15.6 23.4



#83

Chrysene

Concen: 7.832 ng

RT: 21.422 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

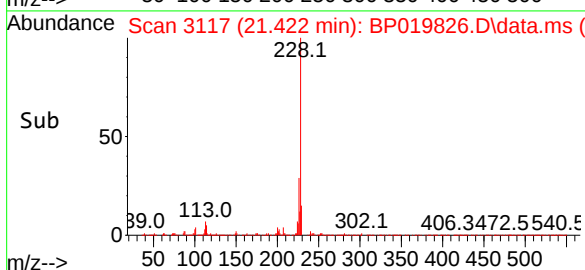
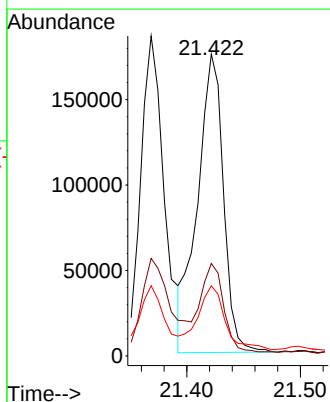
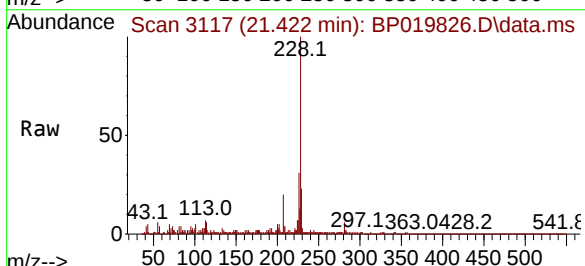
Tgt Ion:228 Resp: 277981

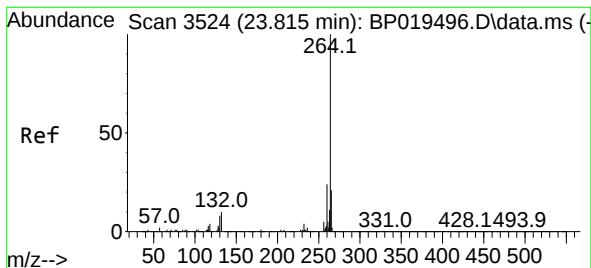
Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 23.2 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

Instrument :

BNA_P

ClientSampleId :

8

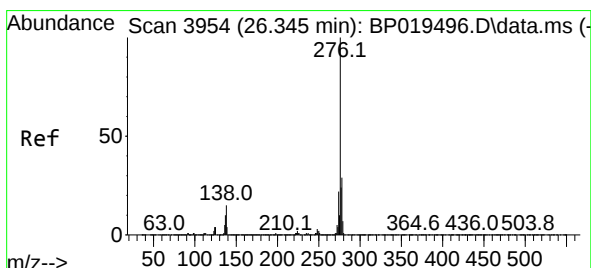
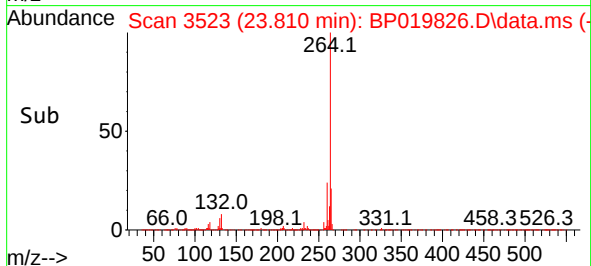
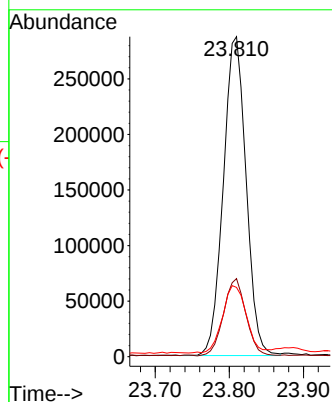
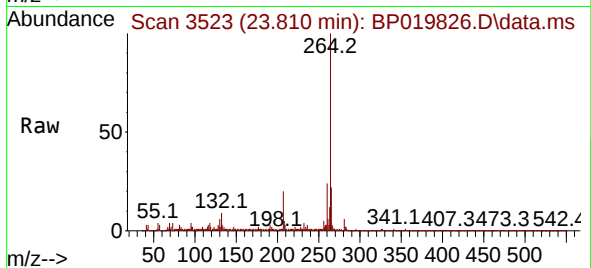
Tgt Ion:264 Resp: 612484

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.697 ng

RT: 26.339 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

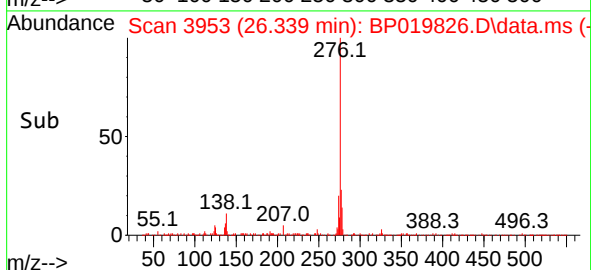
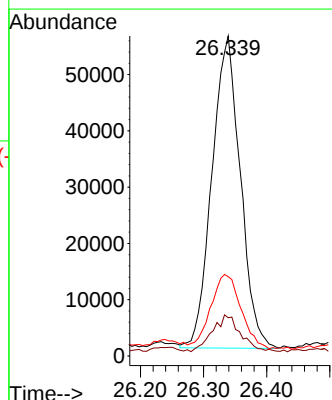
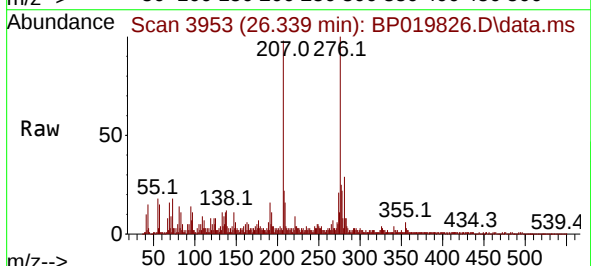
Tgt Ion:276 Resp: 173319

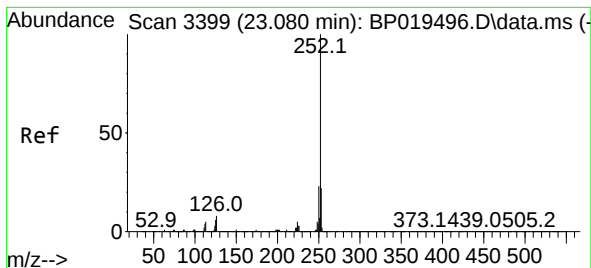
Ion Ratio Lower Upper

276 100

138 11.5 13.1 19.7#

277 25.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 9.249 ng

RT: 23.069 min Scan# 3397

Delta R.T. -0.006 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

Instrument :

BNA_P

ClientSampleId :

8

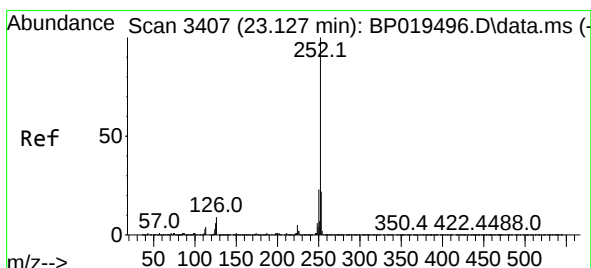
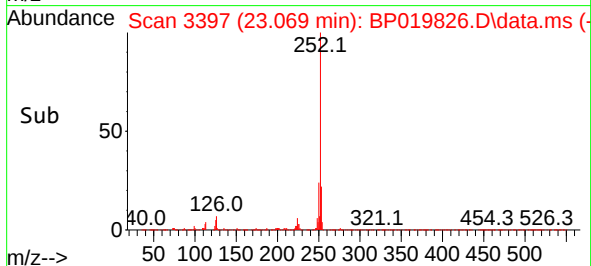
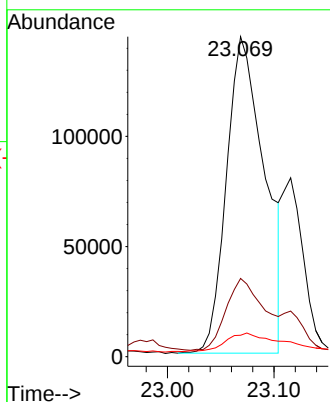
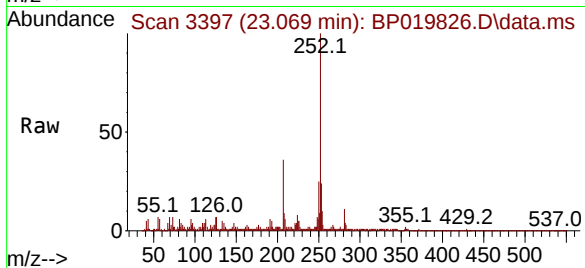
Tgt Ion:252 Resp: 357044

Ion Ratio Lower Upper

252 100

253 24.4 17.3 25.9

125 6.7 4.9 7.3



#89

Benzo(k)fluoranthene

Concen: 9.683 ng

RT: 23.069 min Scan# 3397

Delta R.T. -0.053 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

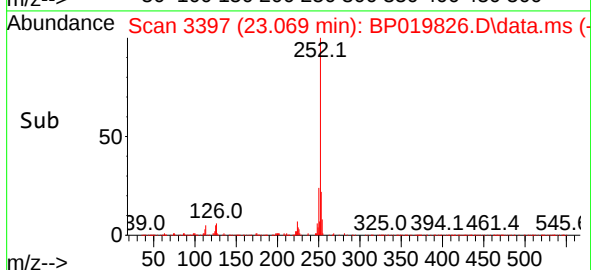
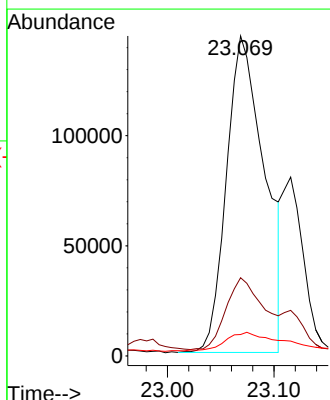
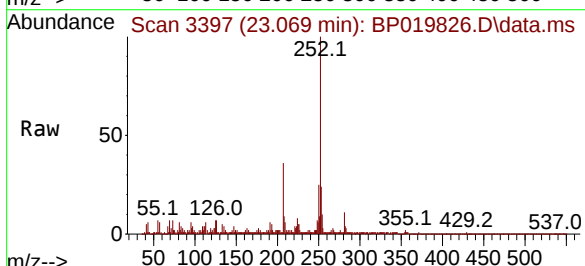
Tgt Ion:252 Resp: 357044

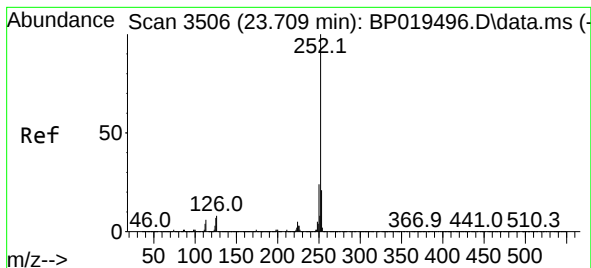
Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

125 6.7 5.0 7.6





#90

Benzo(a)pyrene

Concen: 7.186 ng

RT: 23.698 min Scan# 3504

Delta R.T. -0.006 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

Instrument :

BNA_P

ClientSampleId :

8

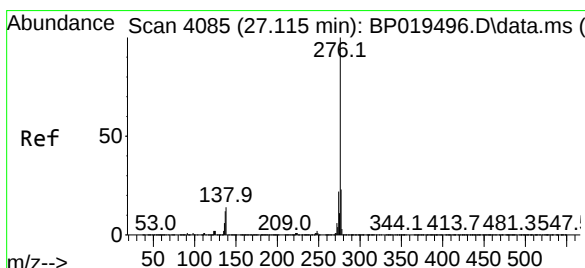
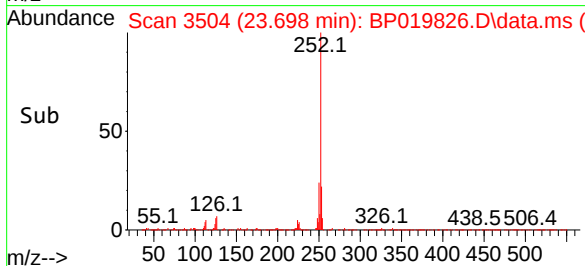
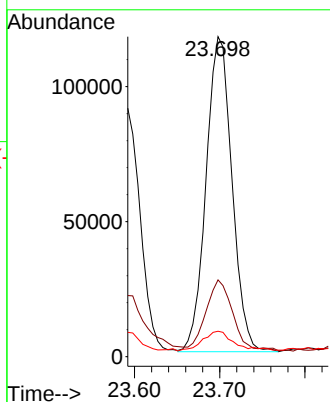
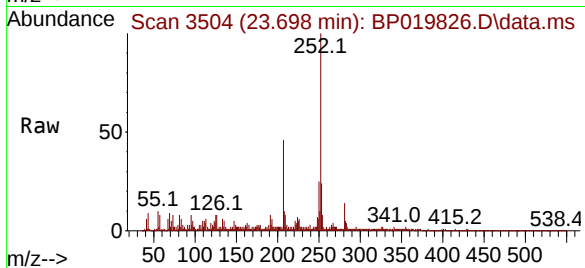
Tgt Ion:252 Resp: 246804

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 7.9 5.6 8.4



#92

Benzo(g,h,i)perylene

Concen: 4.644 ng

RT: 27.115 min Scan# 4085

Delta R.T. -0.006 min

Lab File: BP019826.D

Acq: 22 Feb 2024 16:06

Tgt Ion:276 Resp: 181667

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 14.0 10.9 16.3

