

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019935.D
 Acq On : 29 Feb 2024 14:01
 Operator : MA/JU
 Sample : P1544-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ218

Quant Time: Feb 29 14:31:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 29 12:18:35 2024
 Response via : Initial Calibration

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

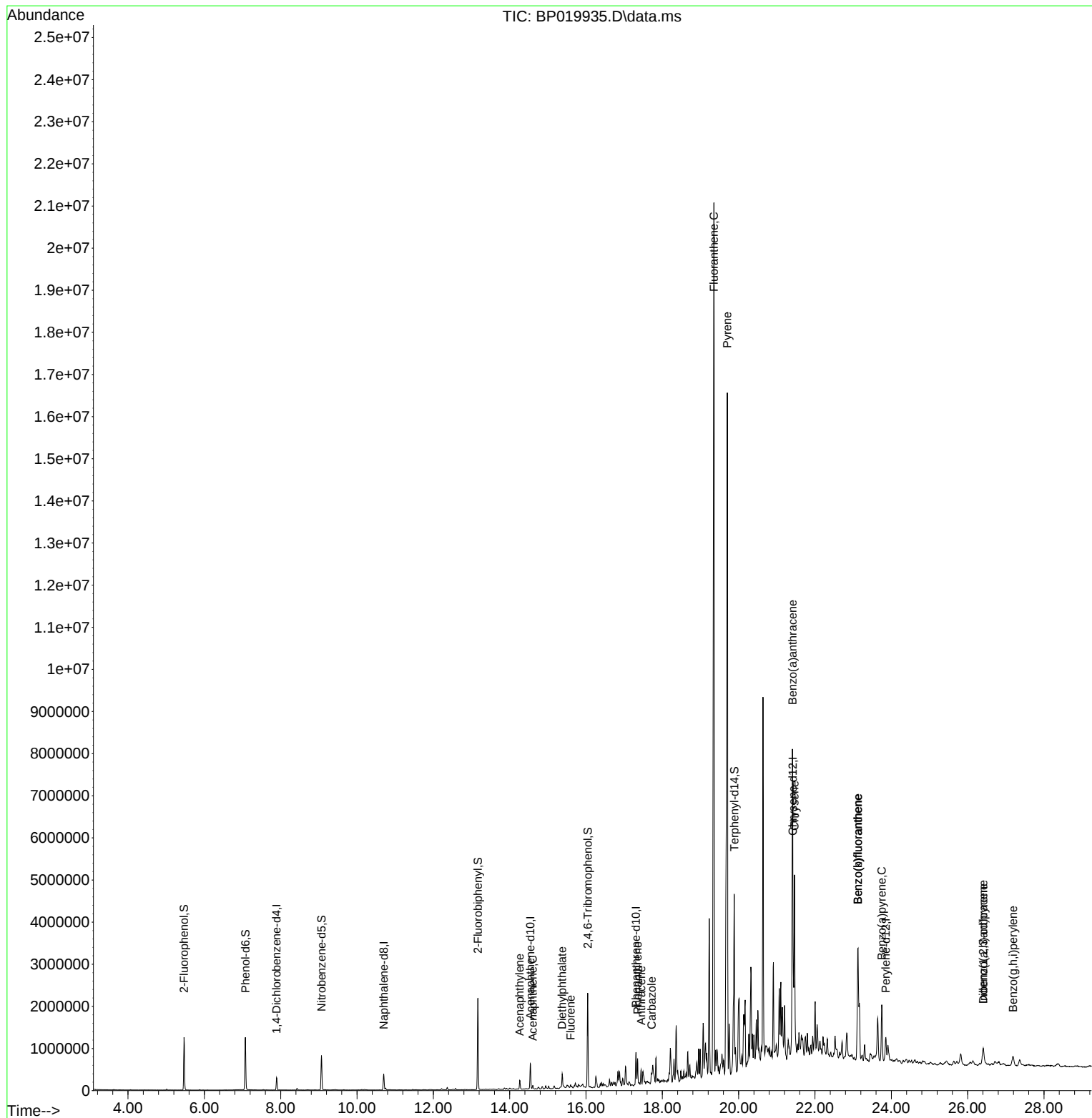
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	79584	20.000	ng	-0.02
21) Naphthalene-d8	10.699	136	307747	20.000	ng	-0.02
39) Acenaphthene-d10	14.545	164	217700	20.000	ng	-0.01
64) Phenanthrene-d10	17.310	188	497485	20.000	ng	-0.01
76) Chrysene-d12	21.422	240	501843	20.000	ng	0.00
86) Perylene-d12	23.857	264	484609	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	524693	108.215	ng	-0.01
7) Phenol-d6	7.075	99	710614	98.438	ng	-0.01
23) Nitrobenzene-d5	9.069	82	492452	64.602	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	455239	121.956	ng	-0.02
45) 2-Fluorobiphenyl	13.169	172	1172270	72.754	ng	-0.01
79) Terphenyl-d14	19.886	244	2196178	68.976	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.263	152	159957	8.160	ng	99
52) Acenaphthene	14.604	154	29762	2.529	ng	100
58) Fluorene	15.598	166	39838	2.445	ng	91
60) Diethylphthalate	15.375	149	300477	17.114	ng	99
71) Phenanthrene	17.351	178	382108	14.390	ng	99
72) Anthracene	17.445	178	243512	8.983	ng	99
73) Carbazole	17.722	167	82926	3.454	ng	# 92
75) Fluoranthene	19.351	202	15588262	452.336	ng	93
78) Pyrene	19.704	202	12432828	360.585	ng	97
81) Benzo(a)anthracene	21.410	228	4357131	122.314	ng	98
83) Chrysene	21.463	228	2474130	74.121	ng	97
87) Indeno(1,2,3-cd)pyrene	26.410	276	454686	13.327	ng	97
88) Benzo(b)fluoranthene	23.121	252	2418597	81.404	ng	98
89) Benzo(k)fluoranthene	23.121	252	2418597	83.004	ng	97
90) Benzo(a)pyrene	23.751	252	1147772	40.424	ng	99
91) Dibenzo(a,h)anthracene	26.410	278	154096	5.373	ng	# 91
92) Benzo(g,h,i)perylene	27.192	276	342432	12.368	ng	98

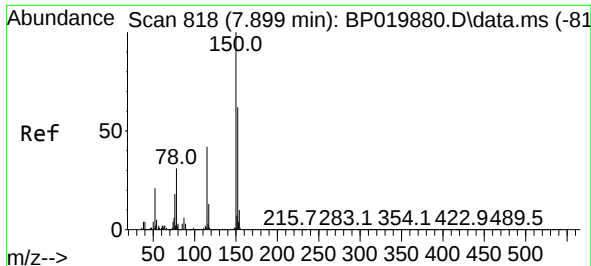
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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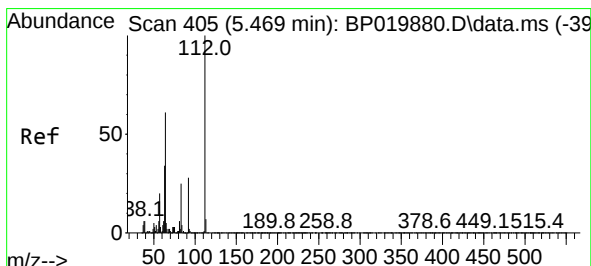
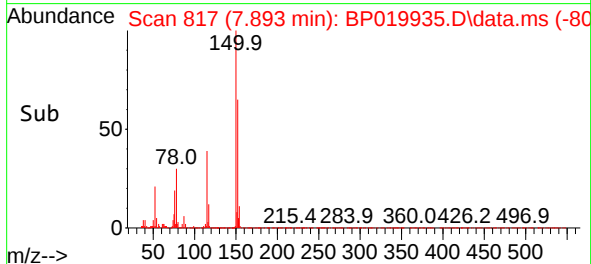
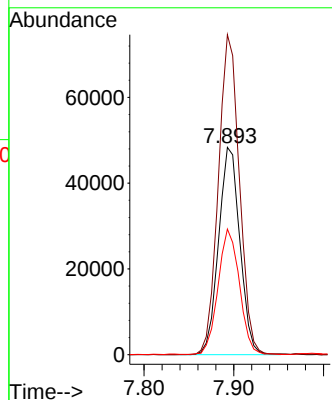
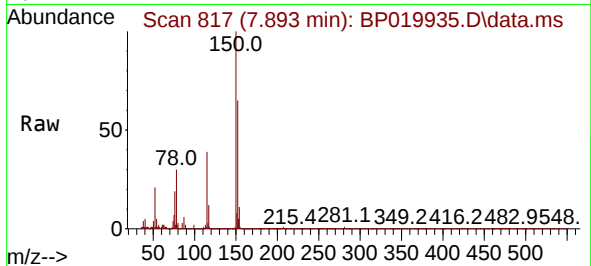




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 818
Delta R.T. -0.017 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

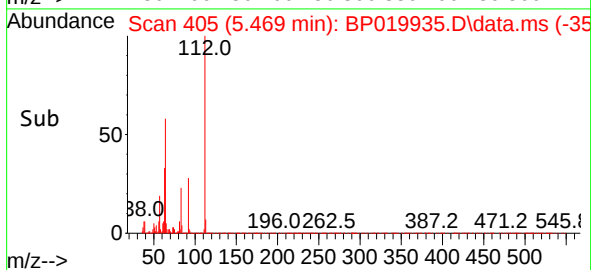
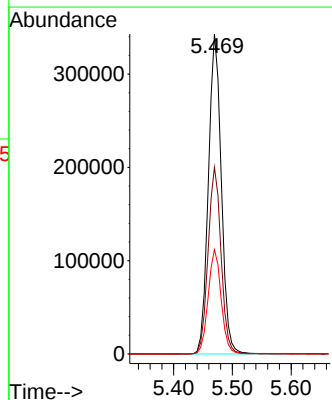
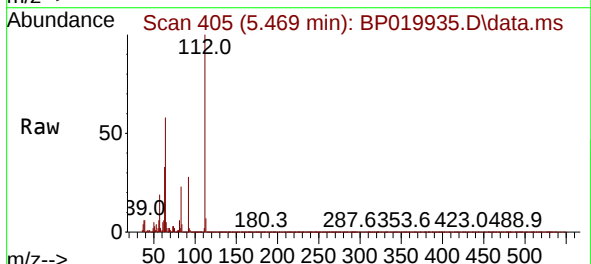
Instrument :
BNA_P
ClientSampleId :
VNJ218

Tgt Ion:152 Resp: 79584
Ion Ratio Lower Upper
152 100
150 154.4 128.6 192.8
115 60.6 53.4 80.2



#5
2-Fluorophenol
Concen: 108.215 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Tgt Ion:112 Resp: 524693
Ion Ratio Lower Upper
112 100
64 58.4 49.0 73.6
63 32.6 27.6 41.4

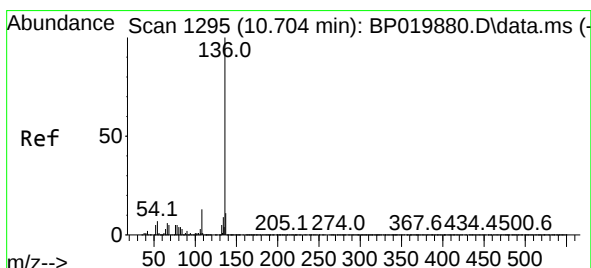
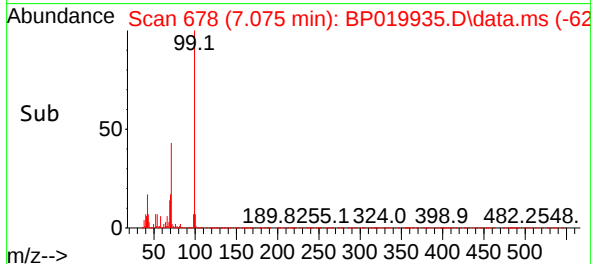
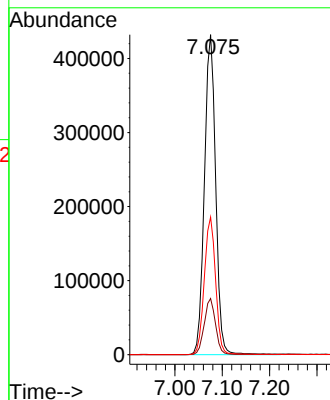
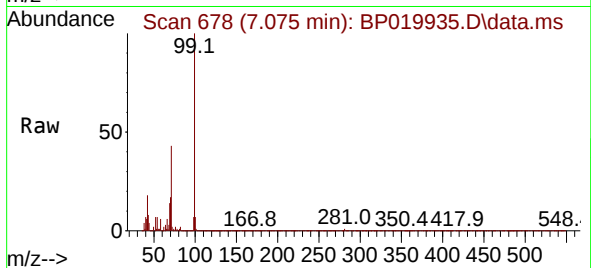




#7
Phenol-d6
Concen: 98.438 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

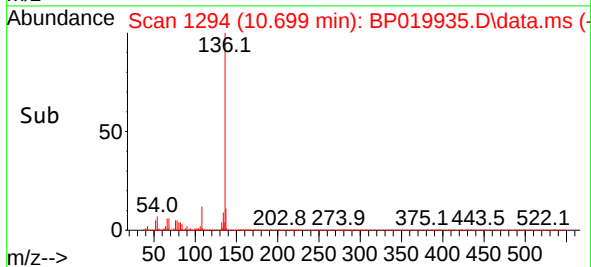
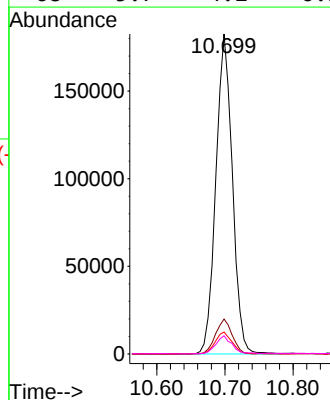
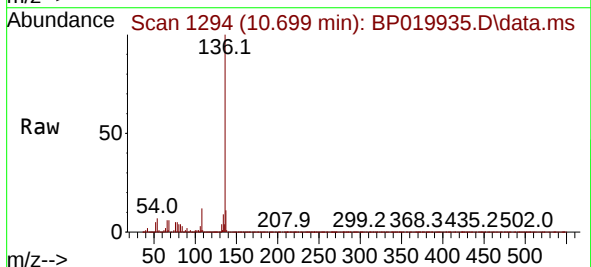
Instrument :
BNA_P
ClientSampleId :
VNJ218

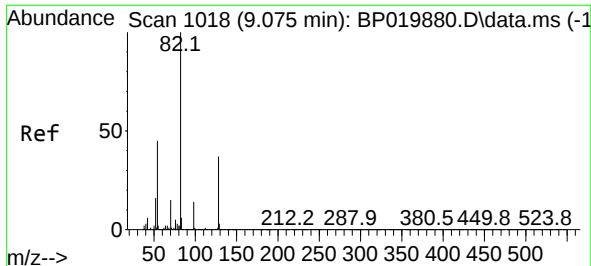
Tgt Ion: 99 Resp: 710614
Ion Ratio Lower Upper
99 100
42 17.5 13.8 20.8
71 43.0 34.5 51.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.699 min Scan# 1294
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Tgt Ion:136 Resp: 307747
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.8 6.0 9.0
68 5.7 4.2 6.2

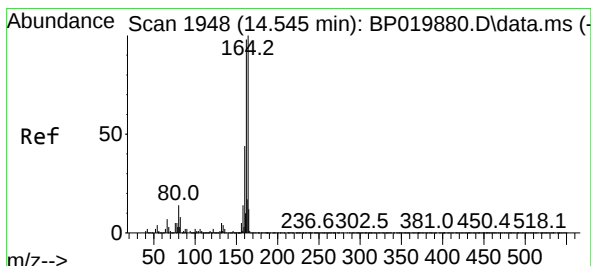
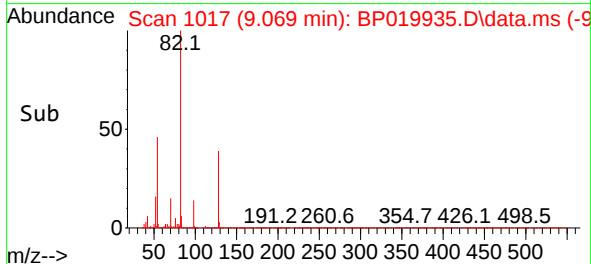
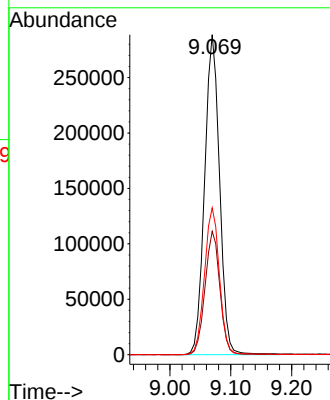
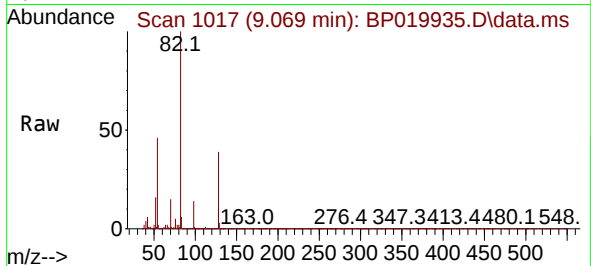




#23
Nitrobenzene-d5
Concen: 64.602 ng
RT: 9.069 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

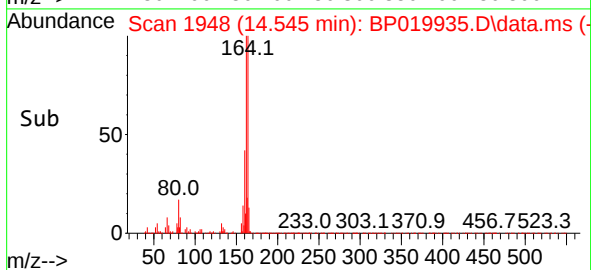
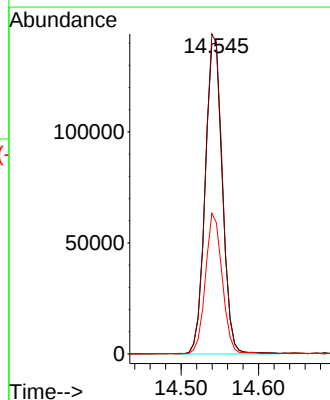
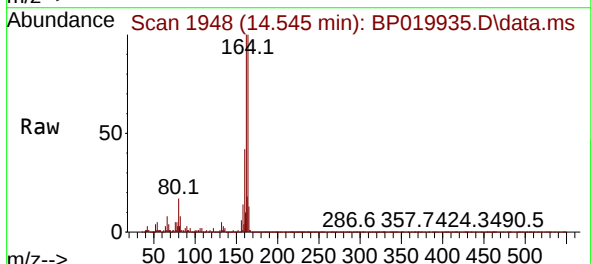
Instrument :
BNA_P
ClientSampleId :
VNJ218

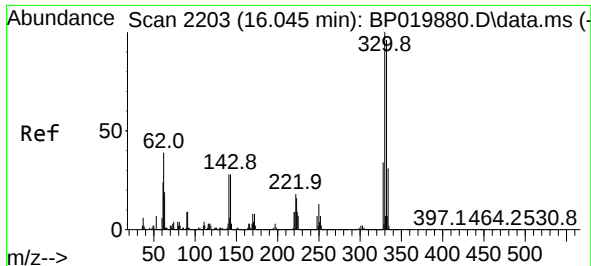
Tgt Ion: 82 Resp: 492452
Ion Ratio Lower Upper
82 100
128 38.6 29.6 44.4
54 45.9 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Tgt Ion:164 Resp: 217700
Ion Ratio Lower Upper
164 100
162 100.0 78.1 117.1
160 42.2 35.3 52.9

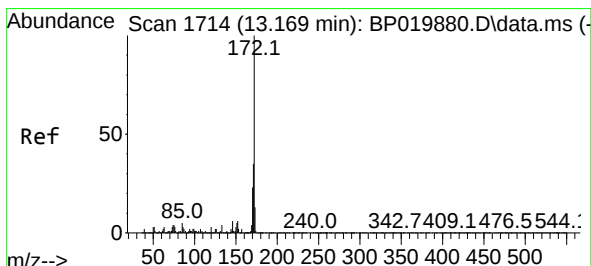
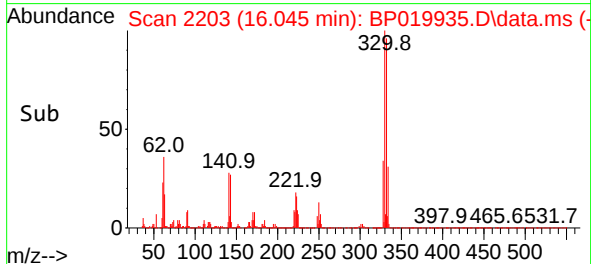
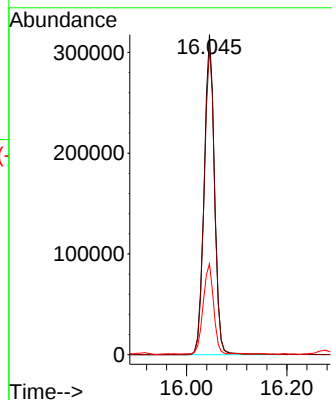
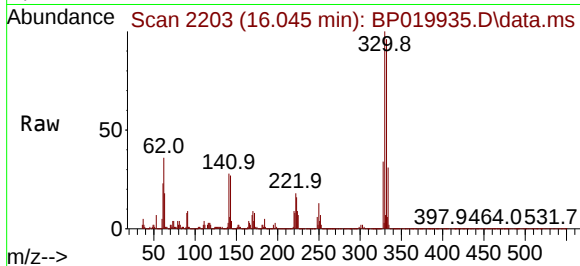




#42
2,4,6-Tribromophenol
Concen: 121.956 ng
RT: 16.045 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

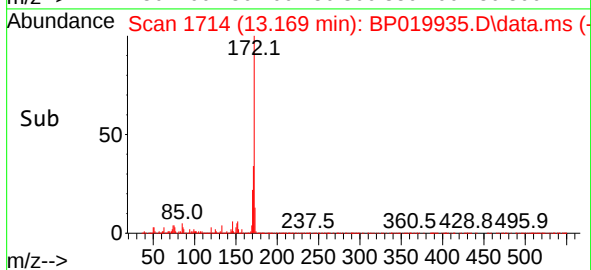
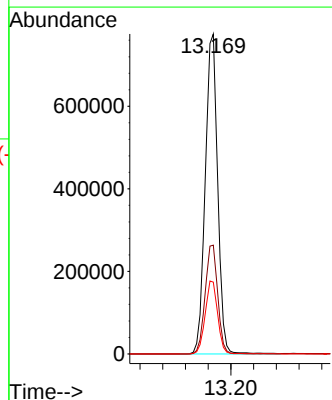
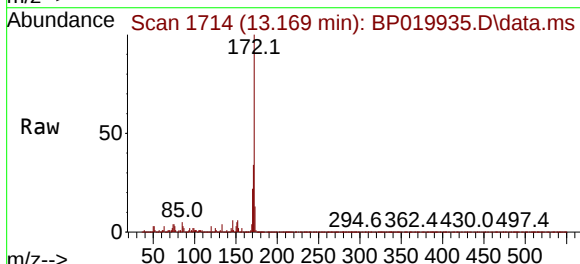
Instrument :
BNA_P
ClientSampleId :
VNJ218

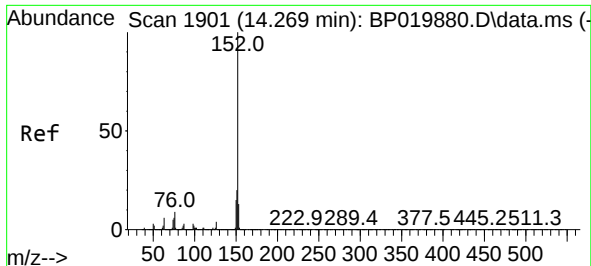
Tgt Ion:330 Resp: 455239
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.2
141 28.4 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 72.754 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Tgt Ion:172 Resp: 1172270
Ion Ratio Lower Upper
172 100
171 34.0 27.8 41.6
170 22.4 18.4 27.6





#49

Acenaphthylene

Concen: 8.160 ng

RT: 14.263 min Scan# 1900

Delta R.T. -0.018 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

Instrument :

BNA_P

ClientSampleId :

VNJ218

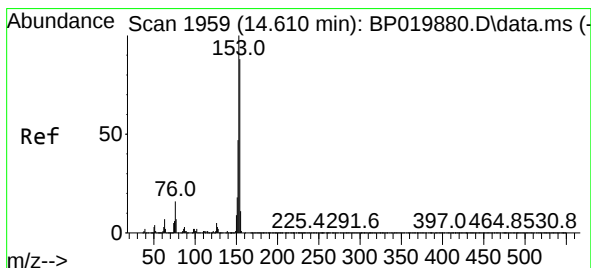
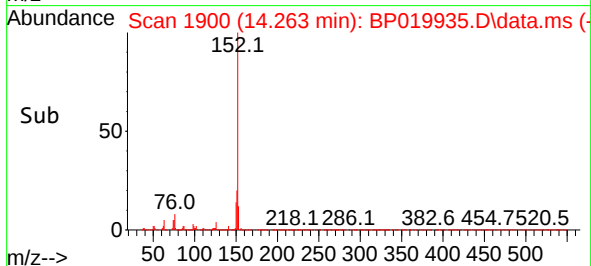
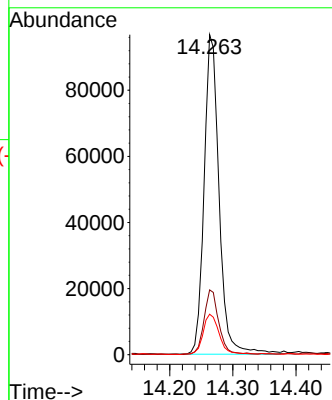
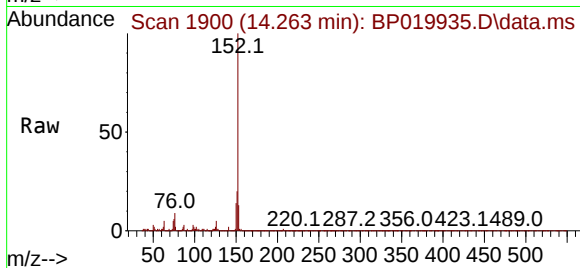
Tgt Ion:152 Resp: 159957

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

153 12.7 10.4 15.6



#52

Acenaphthene

Concen: 2.529 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.018 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

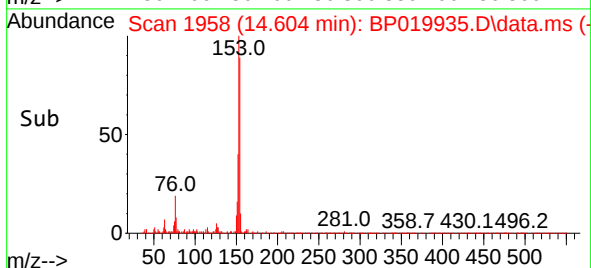
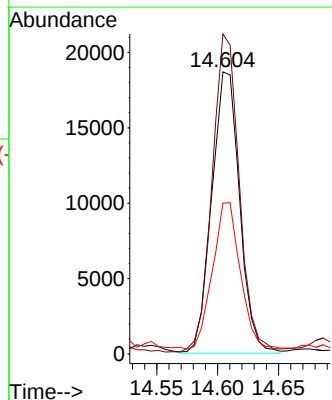
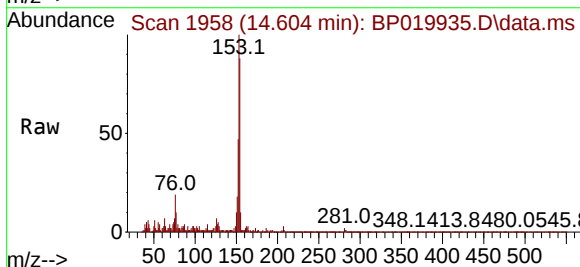
Tgt Ion:154 Resp: 29762

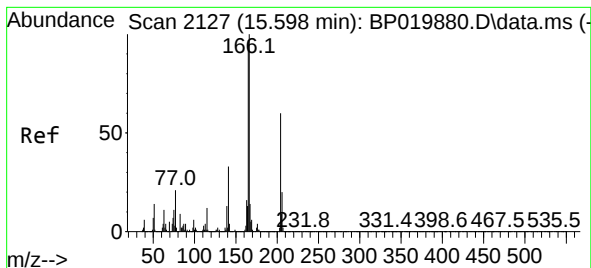
Ion Ratio Lower Upper

154 100

153 113.4 90.9 136.3

152 53.5 42.3 63.5





#58

Fluorene

Concen: 2.445 ng

RT: 15.598 min Scan# 2127

Delta R.T. -0.018 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

Instrument :

BNA_P

ClientSampleId :

VNJ218

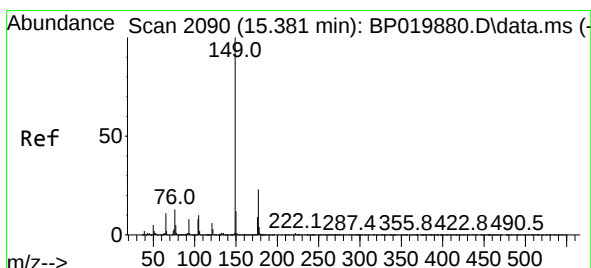
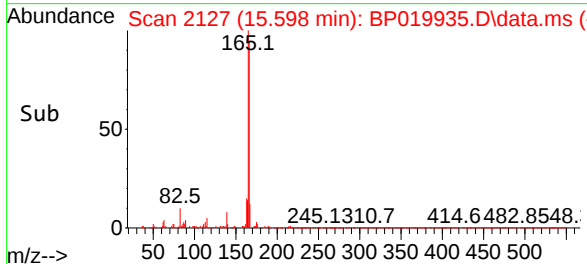
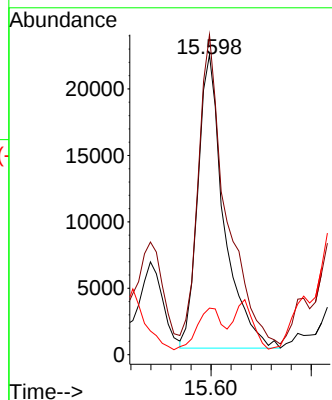
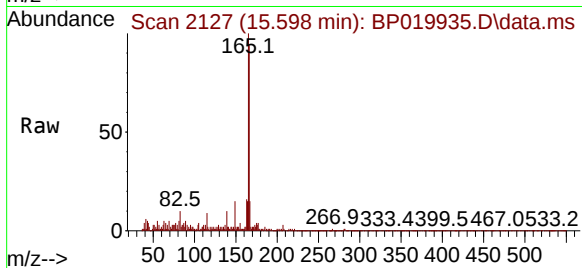
Tgt Ion:166 Resp: 39838

Ion Ratio Lower Upper

166 100

165 106.7 77.8 116.6

167 15.5 10.8 16.2



#60

Diethylphthalate

Concen: 17.114 ng

RT: 15.375 min Scan# 2089

Delta R.T. -0.018 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

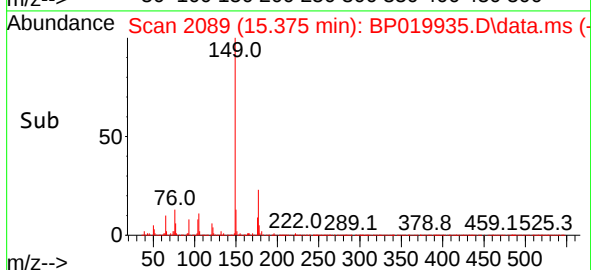
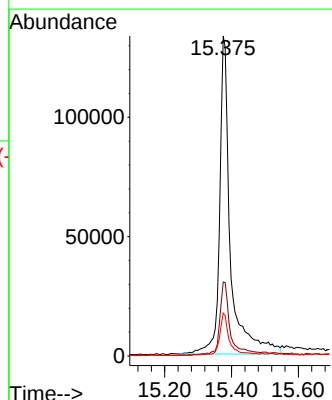
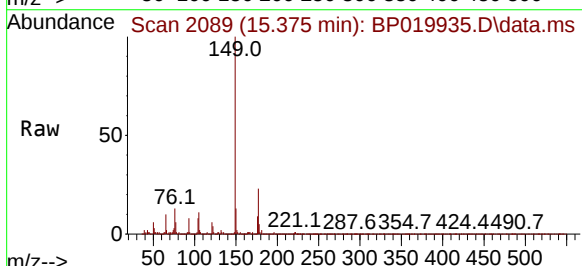
Tgt Ion:149 Resp: 300477

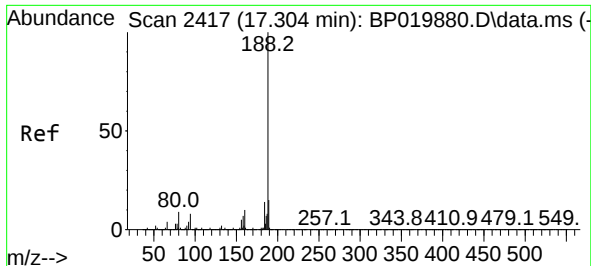
Ion Ratio Lower Upper

149 100

177 23.1 18.4 27.6

150 13.4 9.9 14.9

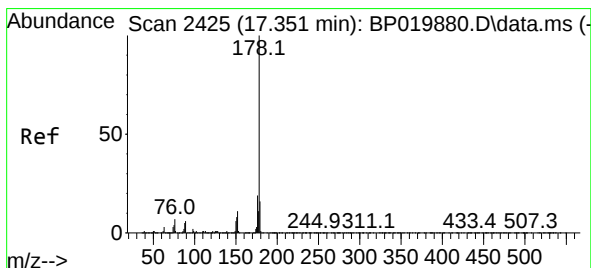
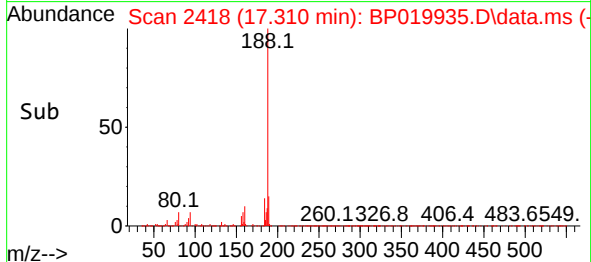
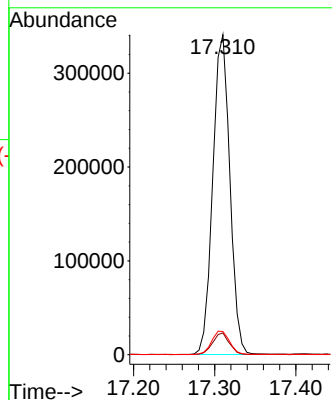
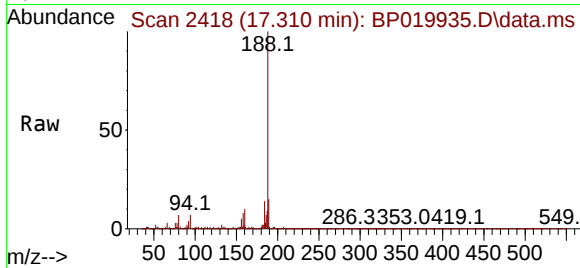




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

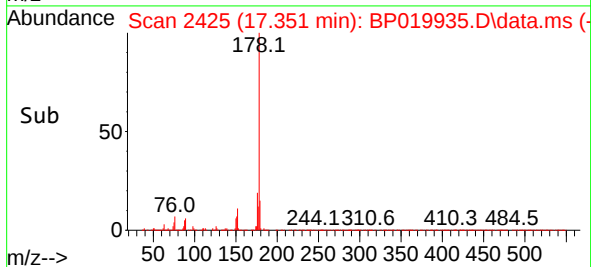
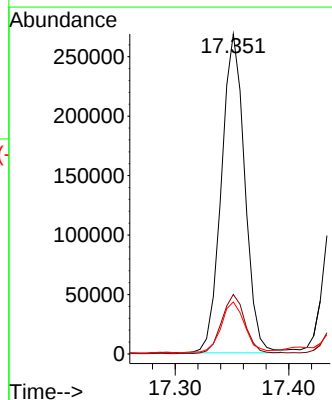
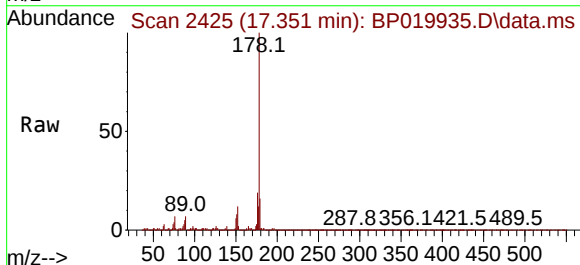
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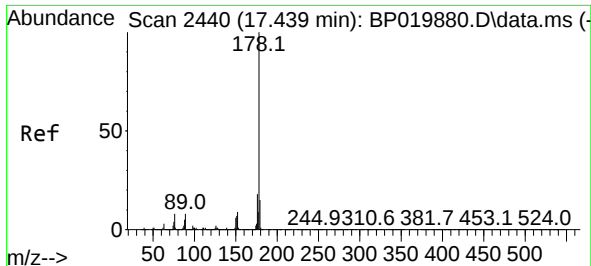
Tgt Ion:188 Resp: 497485
Ion Ratio Lower Upper
188 100
94 6.8 6.2 9.4
80 7.3 7.0 10.4



#71
Phenanthrene
Concen: 14.390 ng
RT: 17.351 min Scan# 2425
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Tgt Ion:178 Resp: 382108
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 16.2 12.5 18.7

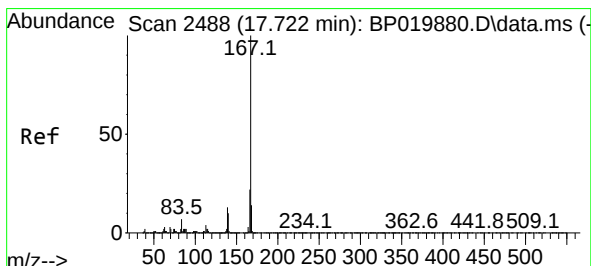
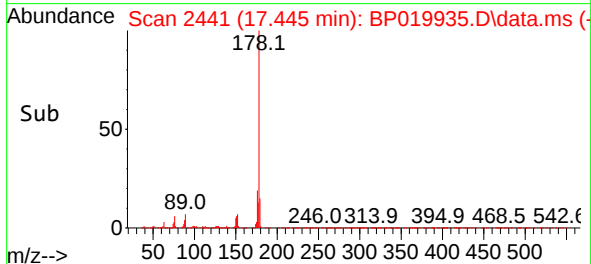
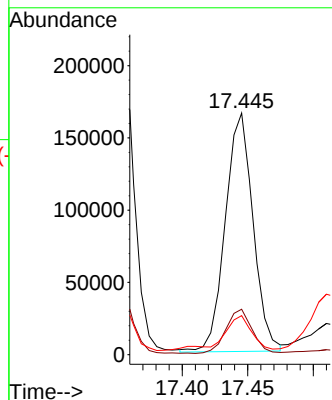
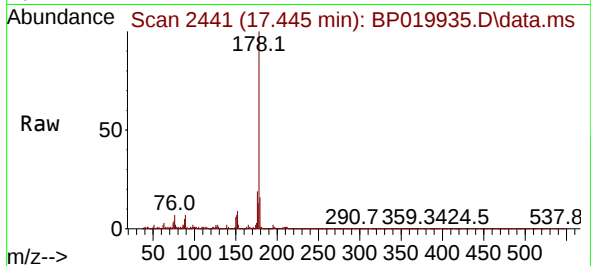




#72
 Anthracene
 Concen: 8.983 ng
 RT: 17.445 min Scan# 2440
 Delta R.T. -0.012 min
 Lab File: BP019935.D
 Acq: 29 Feb 2024 14:01

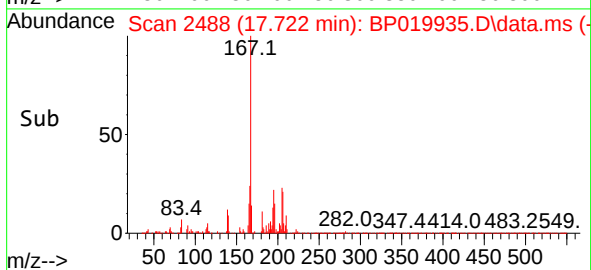
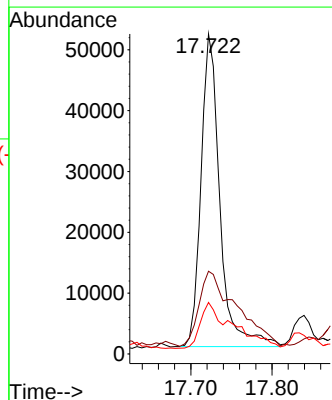
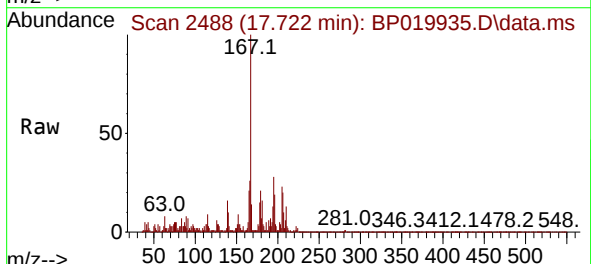
Instrument :
 BNA_P
 ClientSampleId :
 VNJ218

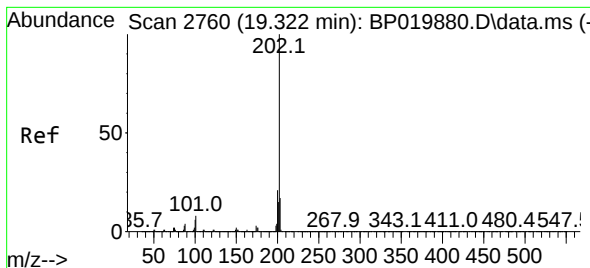
Tgt Ion:178 Resp: 243512
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.7 22.1
 179 16.2 12.2 18.4



#73
 Carbazole
 Concen: 3.454 ng
 RT: 17.722 min Scan# 2488
 Delta R.T. -0.018 min
 Lab File: BP019935.D
 Acq: 29 Feb 2024 14:01

Tgt Ion:167 Resp: 82926
 Ion Ratio Lower Upper
 167 100
 166 25.9 17.3 25.9
 139 16.1 10.5 15.7#





#75

Fluoranthene

Concen: 452.336 ng

RT: 19.351 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

Instrument :

BNA_P

ClientSampleId :

VNJ218

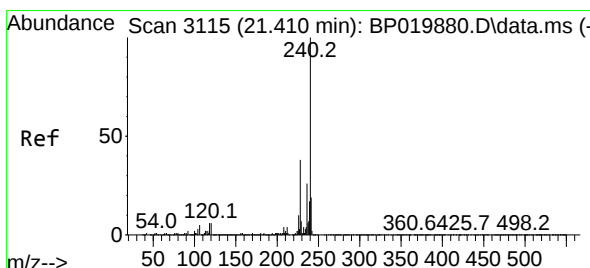
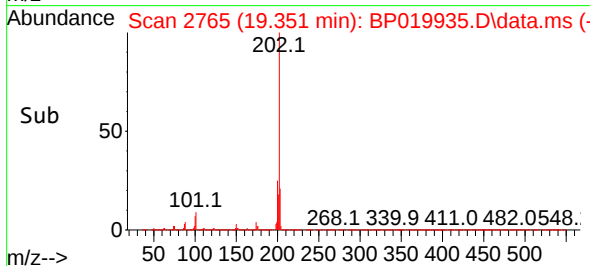
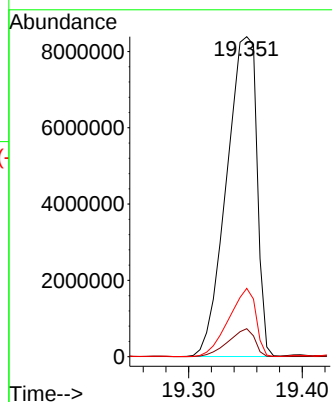
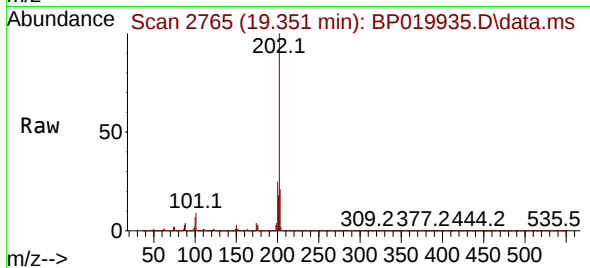
Tgt Ion:202 Resp:15588262

Ion Ratio Lower Upper

202 100

101 8.7 0.0 27.7

203 21.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.422 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

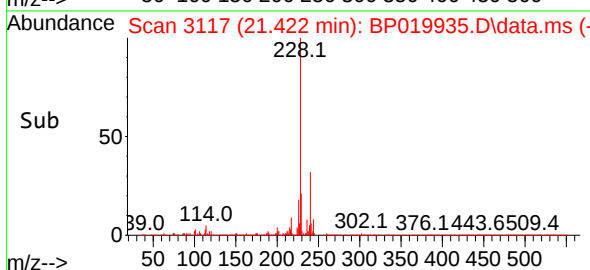
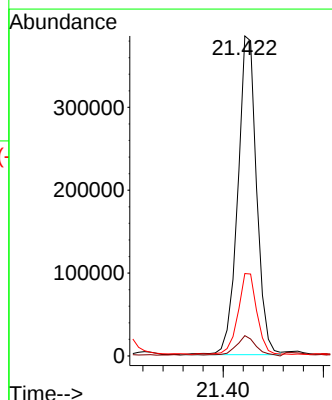
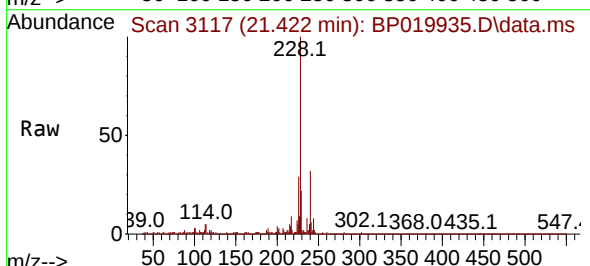
Tgt Ion:240 Resp: 501843

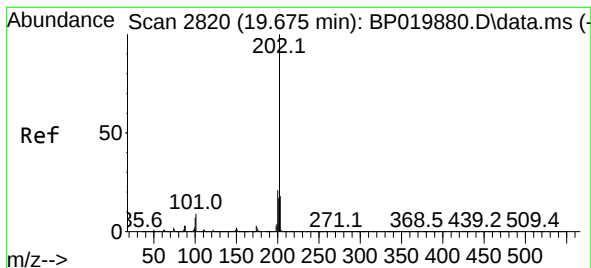
Ion Ratio Lower Upper

240 100

120 6.4 5.1 7.7

236 25.7 20.5 30.7





#78

Pyrene

Concen: 360.585 ng

RT: 19.704 min Scan# 2825

Delta R.T. 0.012 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

Instrument :

BNA_P

ClientSampleId :

VNJ218

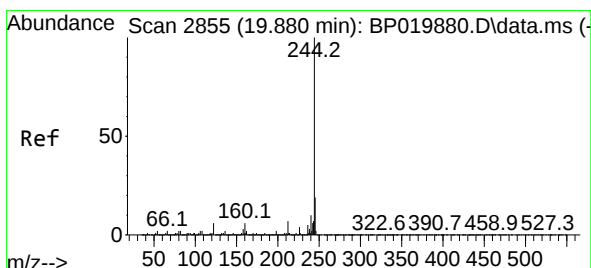
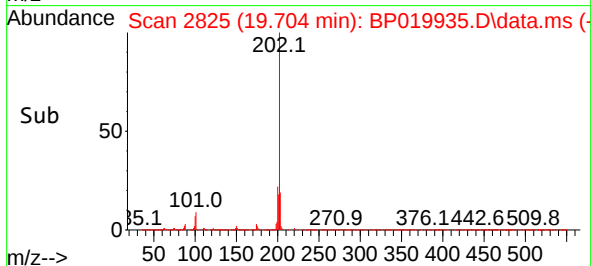
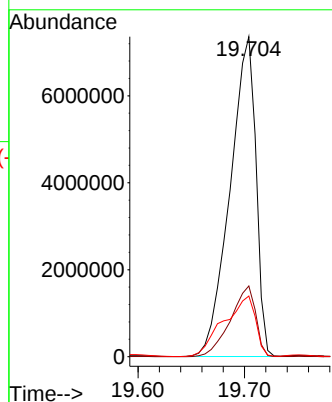
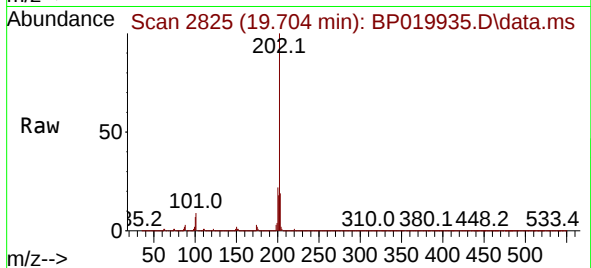
Tgt Ion:202 Resp:12432828

Ion Ratio Lower Upper

202 100

200 22.1 16.7 25.1

203 19.0 14.2 21.2



#79

Terphenyl-d14

Concen: 68.976 ng

RT: 19.886 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

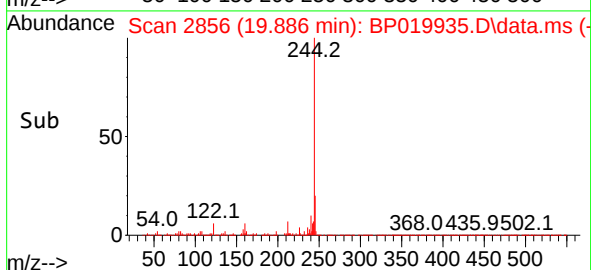
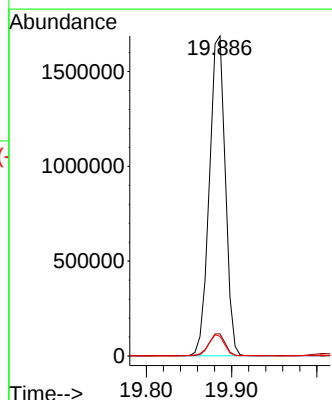
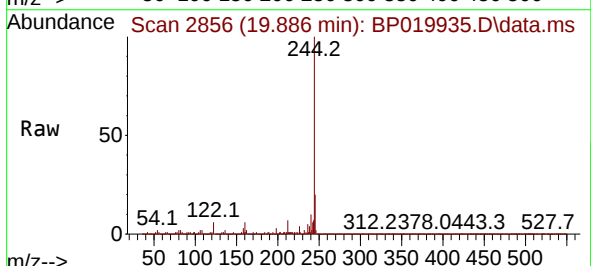
Tgt Ion:244 Resp: 2196178

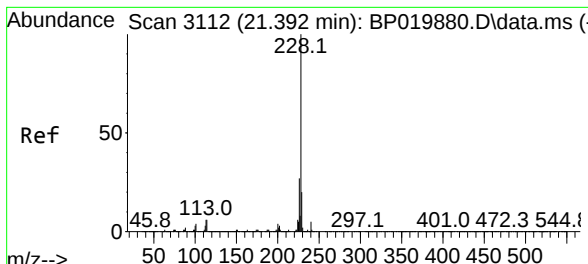
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 6.1 5.0 7.6



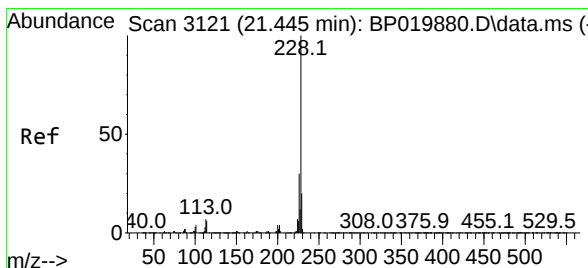
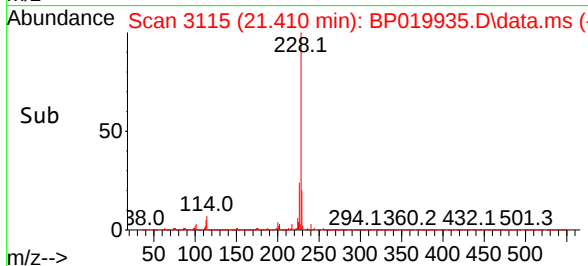
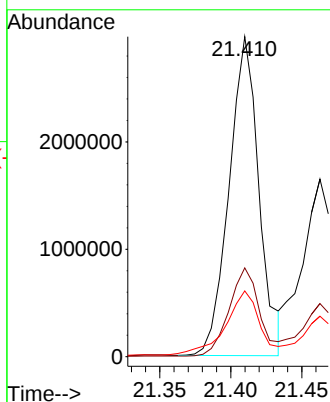
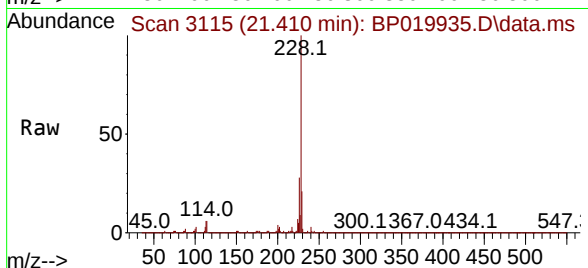


#81
Benzo(a)anthracene
Concen: 122.314 ng
RT: 21.410 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Instrument :
BNA_P
ClientSampleId :
VNJ218

Tgt Ion:228 Resp: 4357131

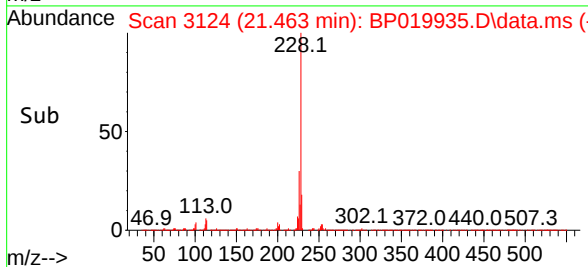
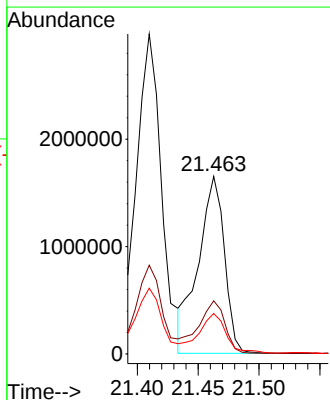
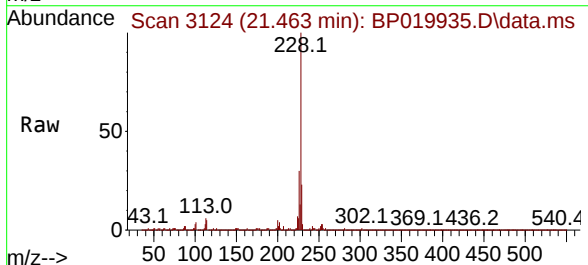
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.5	32.3
229	20.5	15.6	23.4

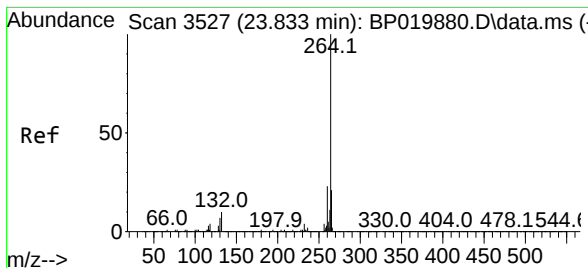


#83
Chrysene
Concen: 74.121 ng
RT: 21.463 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Tgt Ion:228 Resp: 2474130

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	22.8	15.7	23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.857 min Scan# 3527

Delta R.T. -0.012 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

Instrument :

BNA_P

ClientSampleId :

VNJ218

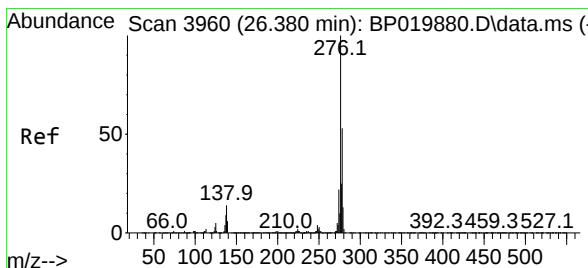
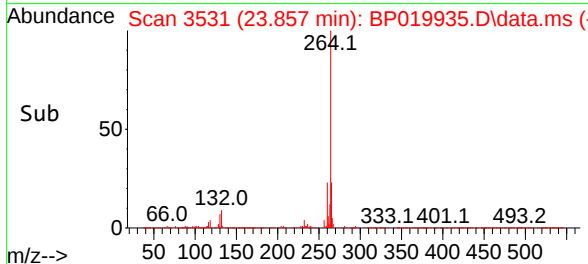
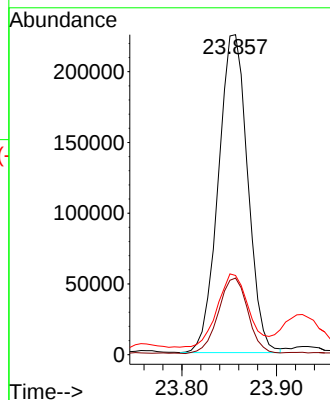
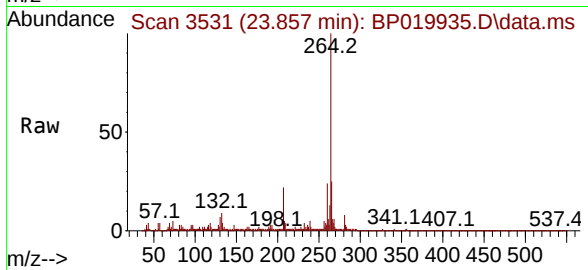
Tgt Ion:264 Resp: 484609

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 24.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.327 ng

RT: 26.410 min Scan# 3965

Delta R.T. -0.035 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

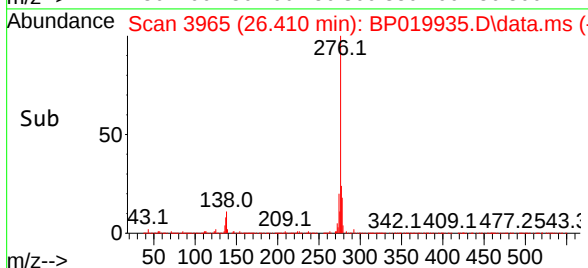
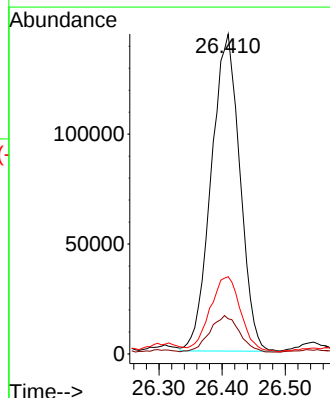
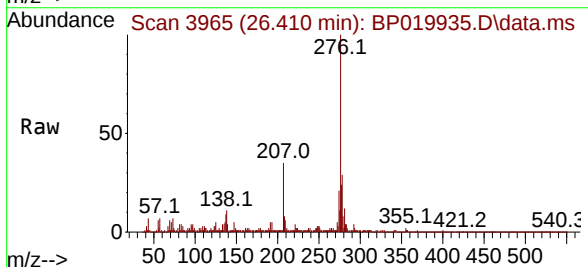
Tgt Ion:276 Resp: 454686

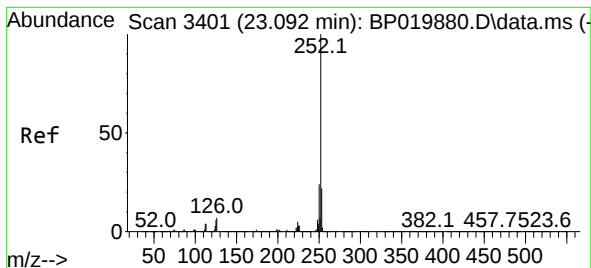
Ion Ratio Lower Upper

276 100

138 12.0 11.7 17.5

277 25.1 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 81.404 ng

RT: 23.121 min Scan# 3406

Delta R.T. 0.000 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

Instrument :

BNA_P

ClientSampleId :

VNJ218

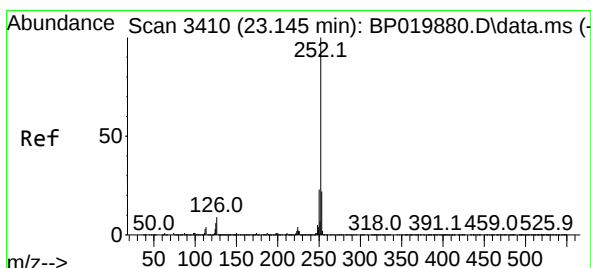
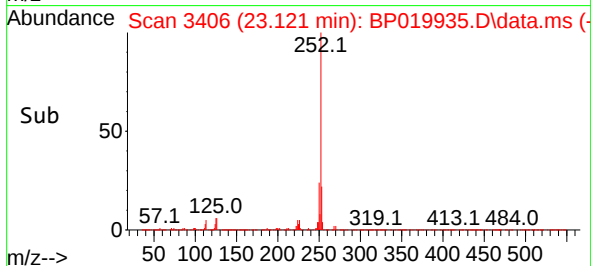
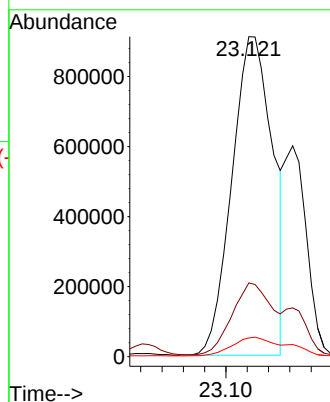
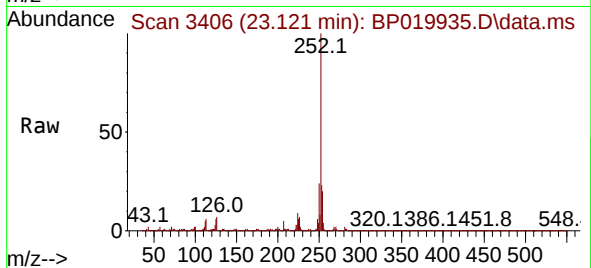
Tgt Ion:252 Resp: 2418597

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 5.9 4.6 7.0



#89

Benzo(k)fluoranthene

Concen: 83.004 ng

RT: 23.121 min Scan# 3406

Delta R.T. -0.053 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

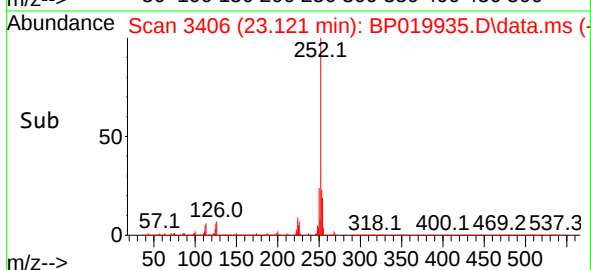
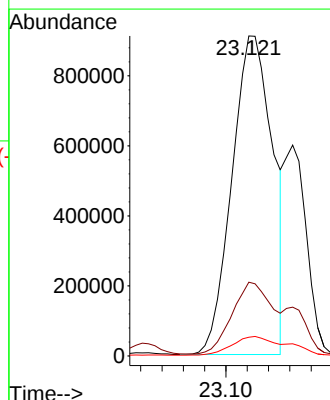
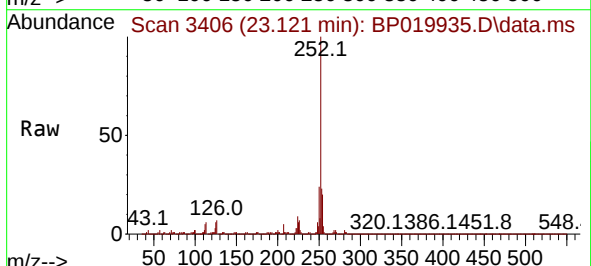
Tgt Ion:252 Resp: 2418597

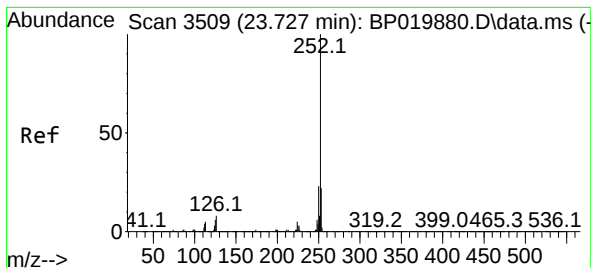
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 5.9 4.6 6.8





#90

Benzo(a)pyrene

Concen: 40.424 ng

RT: 23.751 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

Instrument :

BNA_P

ClientSampleId :

VNJ218

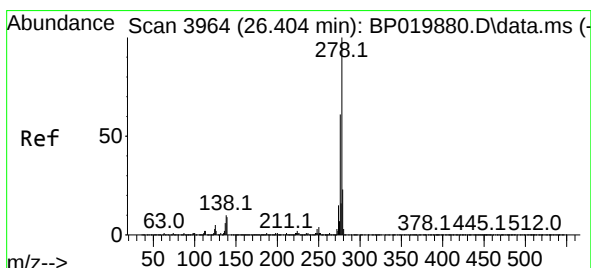
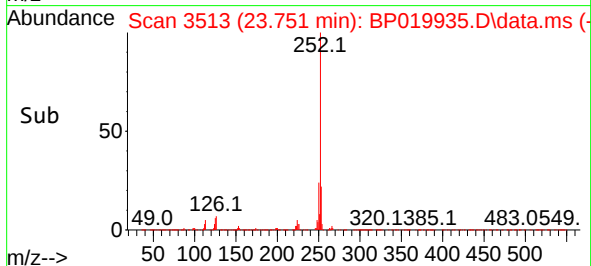
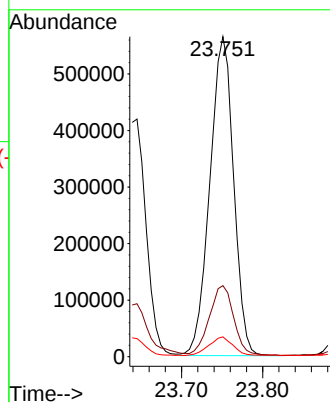
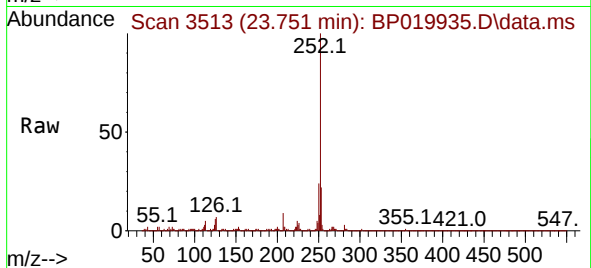
Tgt Ion:252 Resp: 1147772

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 6.2 5.2 7.8



#91

Dibenzo(a,h)anthracene

Concen: 5.373 ng

RT: 26.410 min Scan# 3965

Delta R.T. -0.053 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

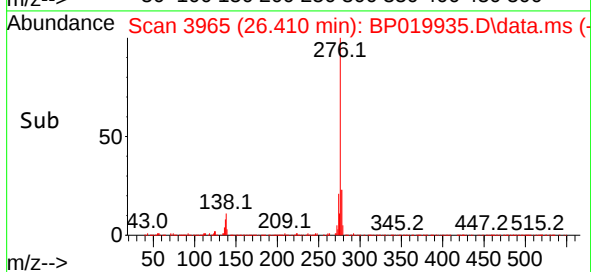
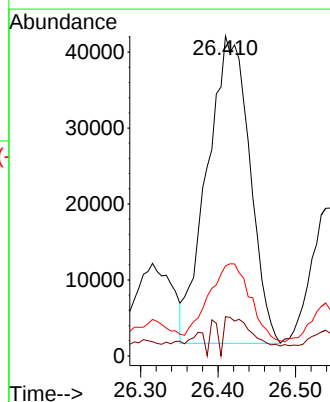
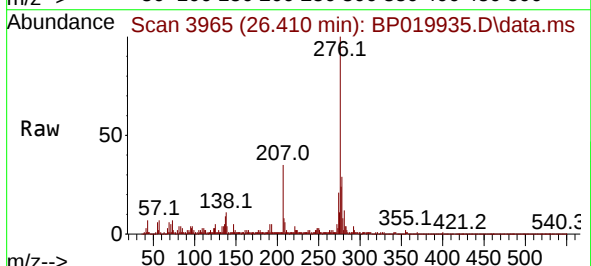
Tgt Ion:278 Resp: 154096

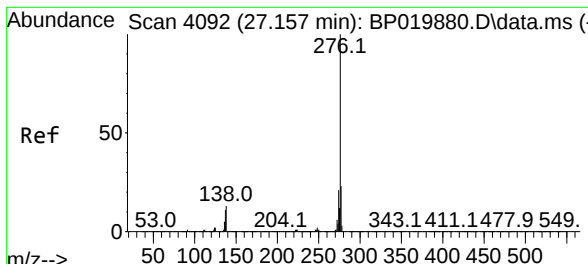
Ion Ratio Lower Upper

278 100

139 12.2 7.4 11.0#

279 28.2 18.7 28.1#





#92
 Benzo(g,h,i)perylene
 Concen: 12.368 ng
 RT: 27.192 min Scan# 4098
 Delta R.T. -0.035 min
 Lab File: BP019935.D
 Acq: 29 Feb 2024 14:01

Instrument :
 BNA_P
 ClientSampleId :
 VNJ218

Tgt Ion: 276 Resp: 342432

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.5	27.7
138	12.1	10.2	15.2

