

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021424\
 Data File : BP019712.D
 Acq On : 14 Feb 2024 21:10
 Operator : MA/JU
 Sample : P1425-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-222

Quant Time: Feb 14 23:28:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

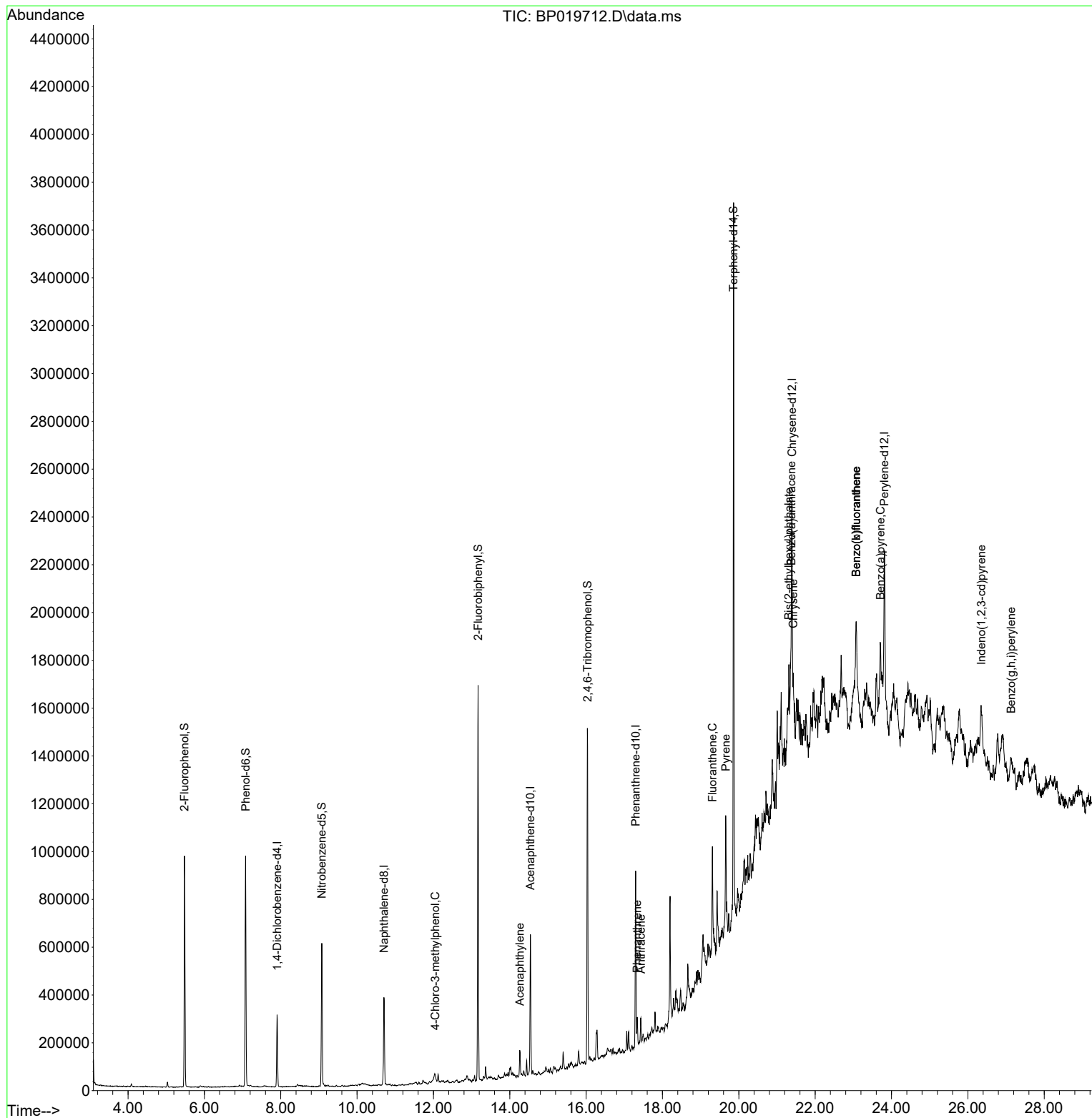
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	81902	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	306010	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	199240	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	437178	20.000	ng	0.00
76) Chrysene-d12	21.392	240	424192	20.000	ng	0.00
86) Perylene-d12	23.816	264	500462	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	402291	79.175	ng	0.00
7) Phenol-d6	7.081	99	535616	78.180	ng	0.00
23) Nitrobenzene-d5	9.075	82	360036	50.982	ng	-0.01
42) 2,4,6-Tribromophenol	16.039	330	291212	100.106	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	866791	53.782	ng	-0.01
79) Terphenyl-d14	19.863	244	1431498	55.498	ng	0.00
Target Compounds						Qvalue
36) 4-Chloro-3-methylphenol	12.046	107	28700	5.023	ng	# 26
49) Acenaphthylene	14.263	152	83428	4.555	ng	98
71) Phenanthrene	17.339	178	74033	3.218	ng	98
72) Anthracene	17.434	178	77177	3.363	ng	97
75) Fluoranthene	19.310	202	191294	6.806	ng	98
78) Pyrene	19.657	202	269310	8.996	ng	99
81) Benzo(a)anthracene	21.375	228	147111	4.927	ng	# 83
83) Chrysene	21.427	228	156013	5.503	ng	# 91
84) Bis(2-ethylhexyl)phtha...	21.310	149	62707	3.683	ng	# 91
87) Indeno(1,2,3-cd)pyrene	26.351	276	142966	3.732	ng	97
88) Benzo(b)fluoranthene	23.074	252	243747	7.728	ng	# 81
89) Benzo(k)fluoranthene	23.074	252	243747	8.090	ng	# 81
90) Benzo(a)pyrene	23.710	252	198292	7.065	ng	# 86
92) Benzo(g,h,i)perylene	27.133	276	163408	5.112	ng	95

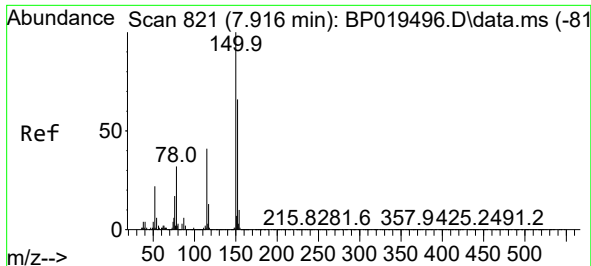
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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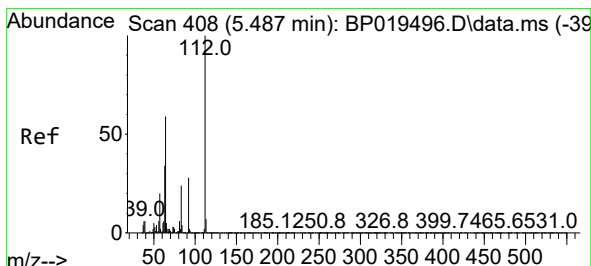
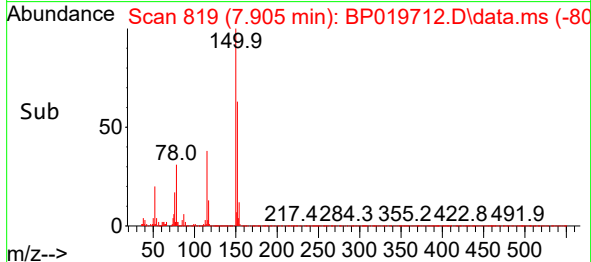
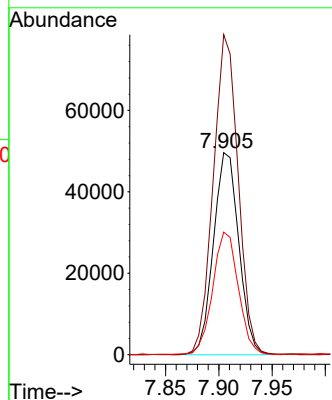
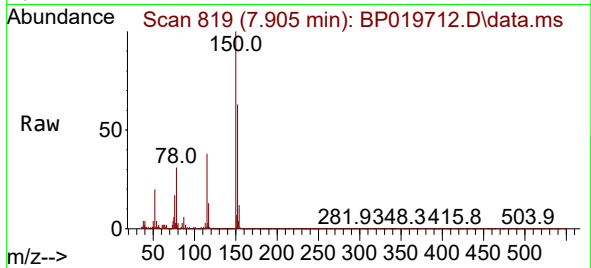




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019712.D
Acq: 14 Feb 2024 21:10

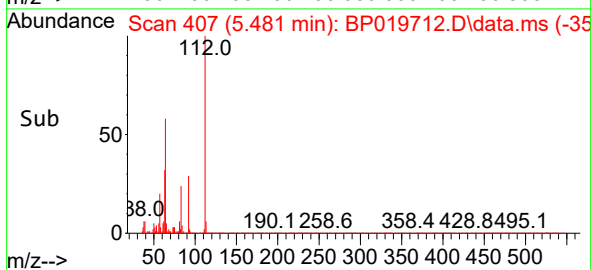
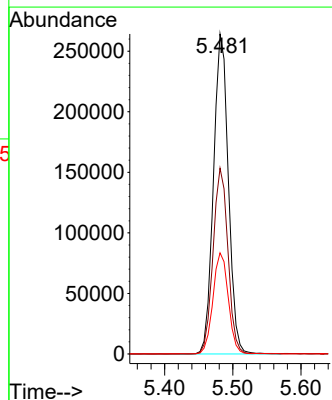
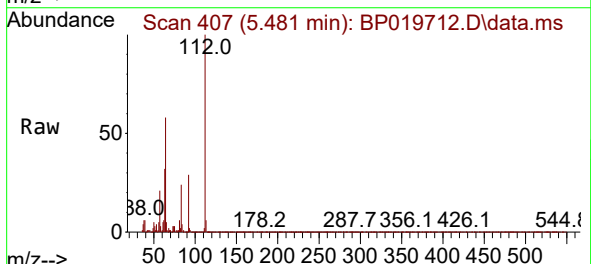
Instrument :
BNA_P
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VNJ-222

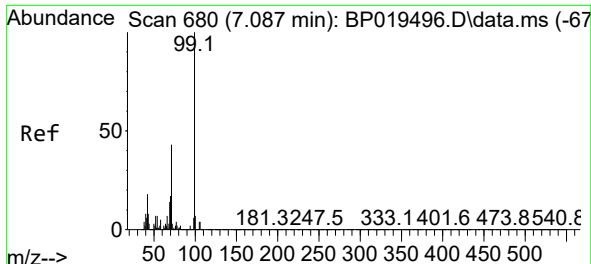
Tgt Ion:152 Resp: 81902
Ion Ratio Lower Upper
152 100
150 158.3 121.8 182.8
115 60.6 49.9 74.9



#5
2-Fluorophenol
Concen: 79.175 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019712.D
Acq: 14 Feb 2024 21:10

Tgt Ion:112 Resp: 402291
Ion Ratio Lower Upper
112 100
64 58.0 47.4 71.0
63 31.6 27.0 40.6

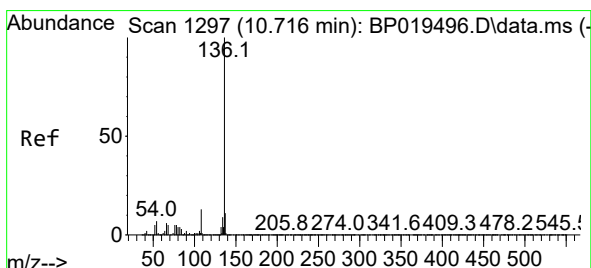
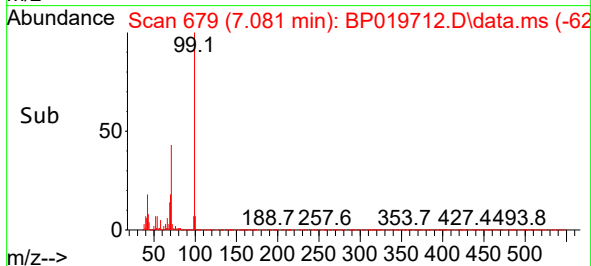
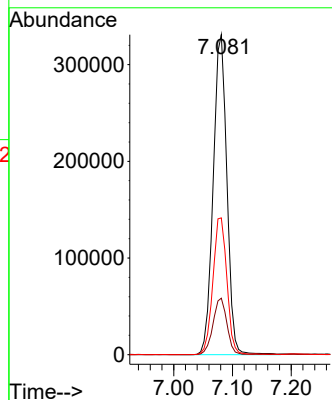
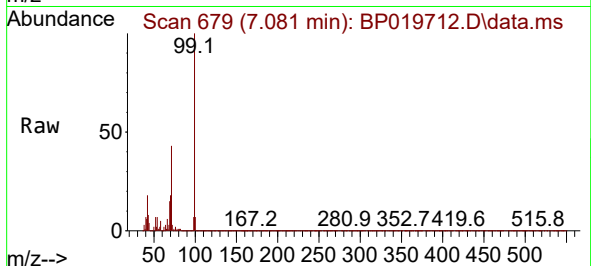




#7
Phenol-d6
Concen: 78.180 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019712.D
Acq: 14 Feb 2024 21:10

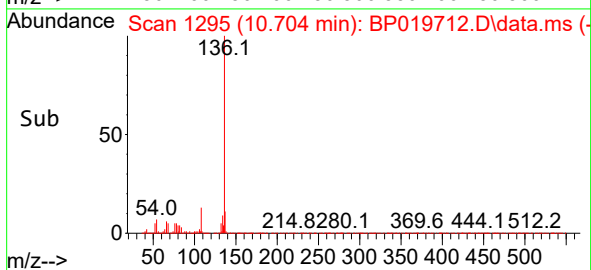
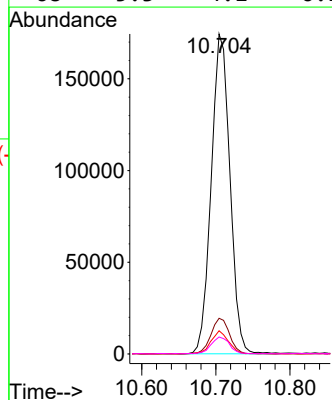
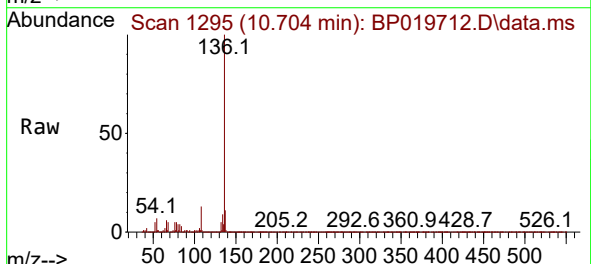
Instrument :
BNA_P
ClientSampleId :
VNJ-222

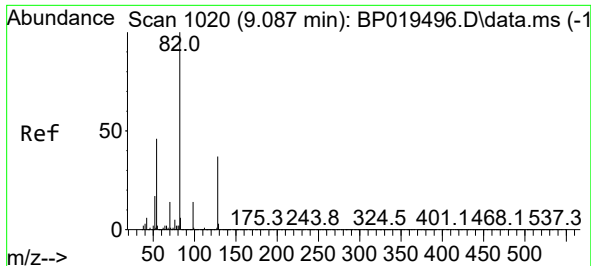
Tgt Ion: 99 Resp: 535616
Ion Ratio Lower Upper
99 100
42 17.7 14.7 22.1
71 42.7 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019712.D
Acq: 14 Feb 2024 21:10

Tgt Ion: 136 Resp: 306010
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.3 5.3 7.9
68 5.3 4.1 6.1

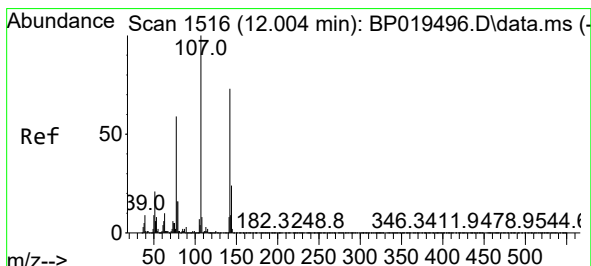
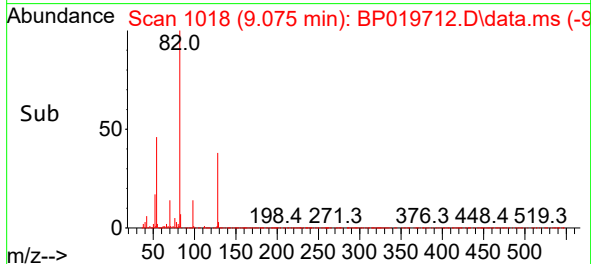
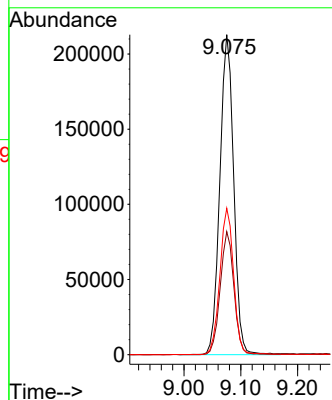
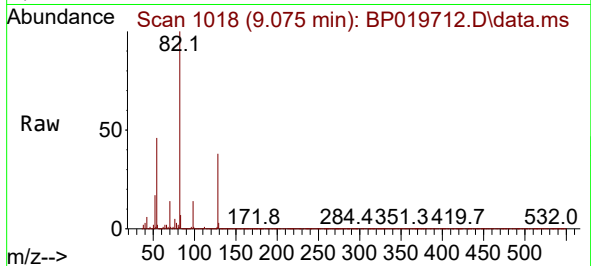




#23
Nitrobenzene-d5
Concen: 50.982 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019712.D
Acq: 14 Feb 2024 21:10

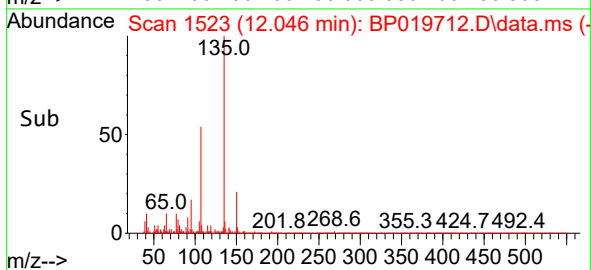
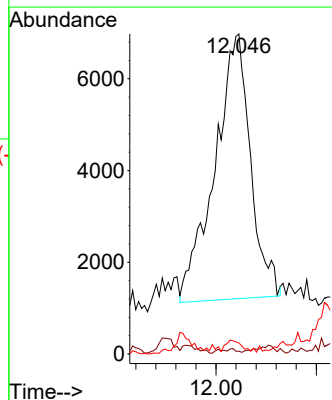
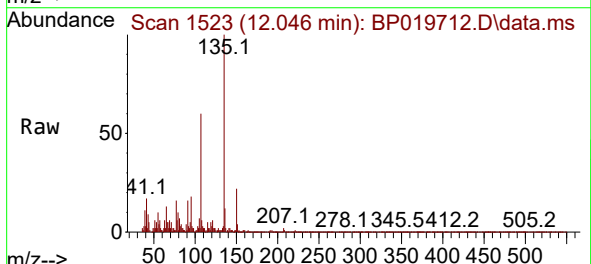
Instrument :
BNA_P
ClientSampleId :
VNJ-222

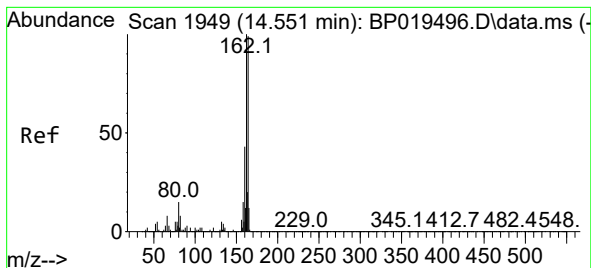
Tgt Ion: 82 Resp: 360036
Ion Ratio Lower Upper
82 100
128 38.4 29.7 44.5
54 45.7 36.8 55.2



#36
4-Chloro-3-methylphenol
Concen: 5.023 ng
RT: 12.046 min Scan# 1523
Delta R.T. 0.041 min
Lab File: BP019712.D
Acq: 14 Feb 2024 21:10

Tgt Ion: 107 Resp: 28700
Ion Ratio Lower Upper
107 100
144 0.9 19.0 28.4#
142 3.4 58.6 88.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1949

Delta R.T. -0.011 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

Instrument :

BNA_P

ClientSampleId :

VNJ-222

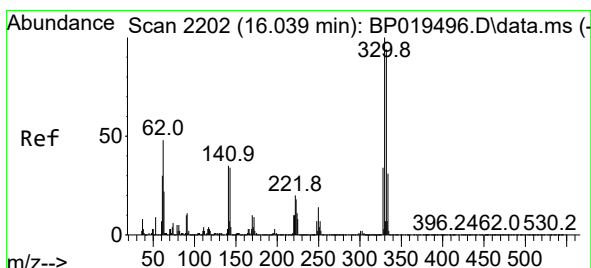
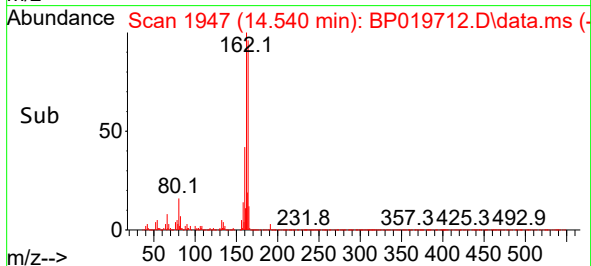
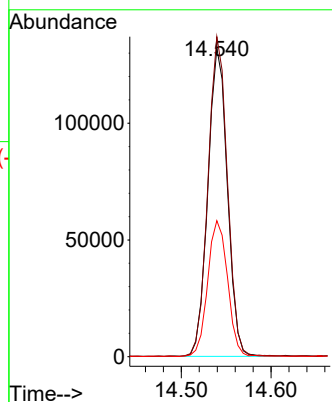
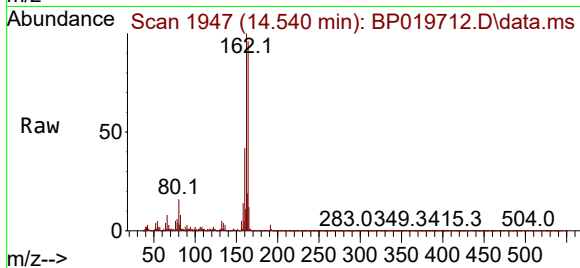
Tgt Ion:164 Resp: 199240

Ion Ratio Lower Upper

164 100

162 103.7 81.2 121.8

160 44.1 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 100.106 ng

RT: 16.039 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

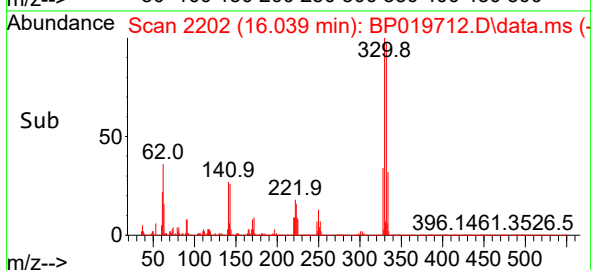
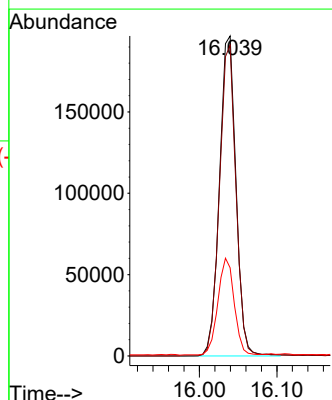
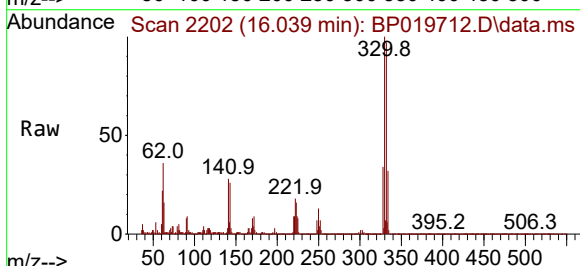
Tgt Ion:330 Resp: 291212

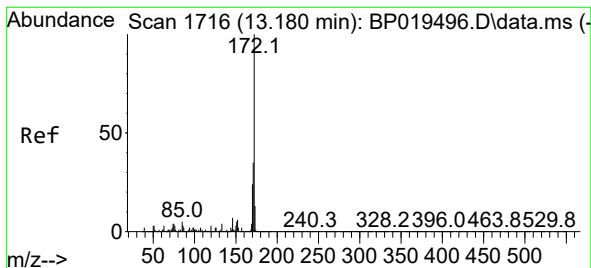
Ion Ratio Lower Upper

330 100

332 96.9 77.2 115.8

141 29.8 27.0 40.4





#45

2-Fluorobiphenyl

Concen: 53.782 ng

RT: 13.169 min Scan# 1

Delta R.T. -0.011 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

Instrument :

BNA_P

ClientSampleId :

VNJ-222

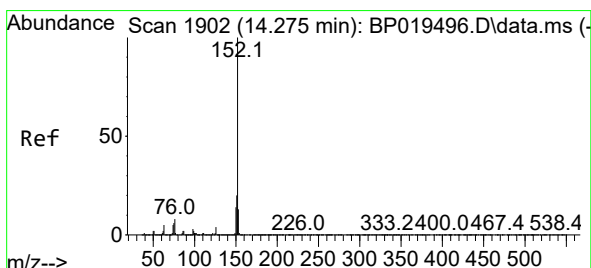
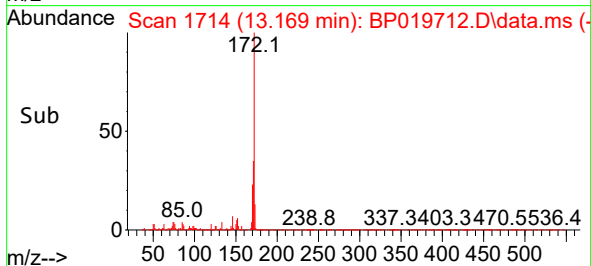
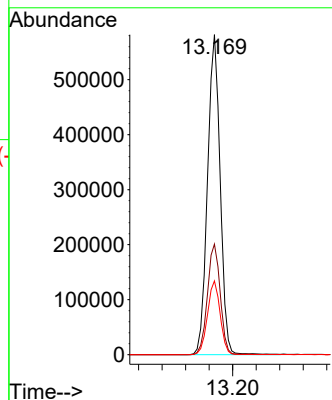
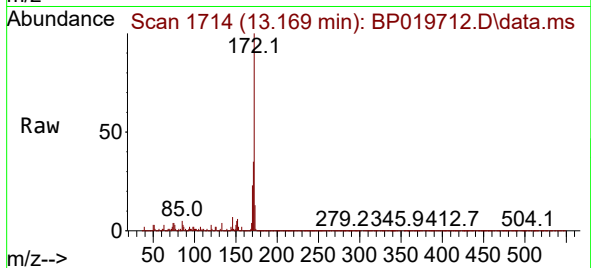
Tgt Ion:172 Resp: 866791

Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.4

170 23.1 18.9 28.3



#49

Acenaphthylene

Concen: 4.555 ng

RT: 14.263 min Scan# 1900

Delta R.T. -0.011 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

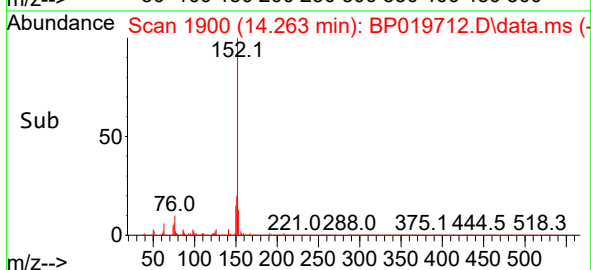
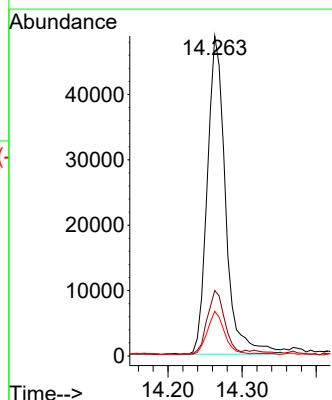
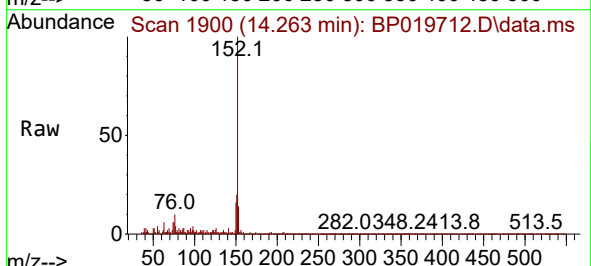
Tgt Ion:152 Resp: 83428

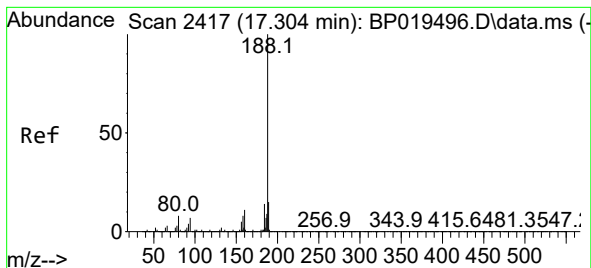
Ion Ratio Lower Upper

152 100

151 20.4 15.8 23.6

153 14.0 10.6 15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

Instrument :

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ClientSampleId :

VNJ-222

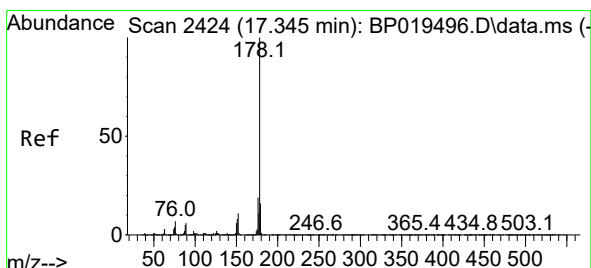
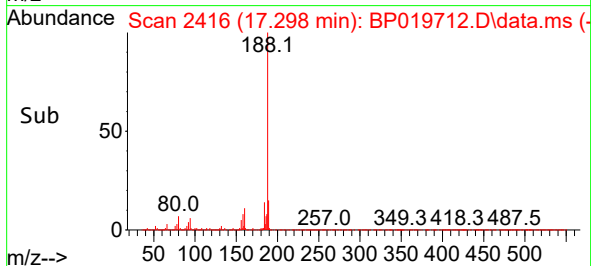
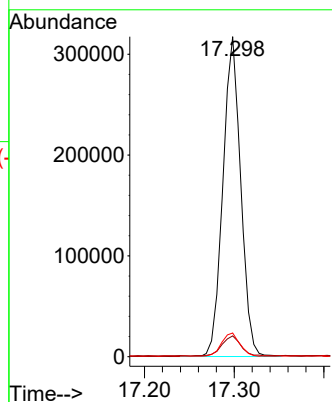
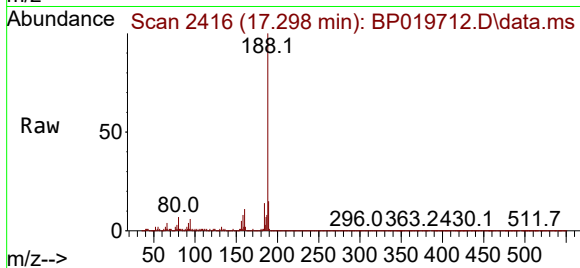
Tgt Ion:188 Resp: 437178

Ion Ratio Lower Upper

188 100

94 6.5 5.4 8.2

80 7.4 6.3 9.5



#71

Phenanthrene

Concen: 3.218 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

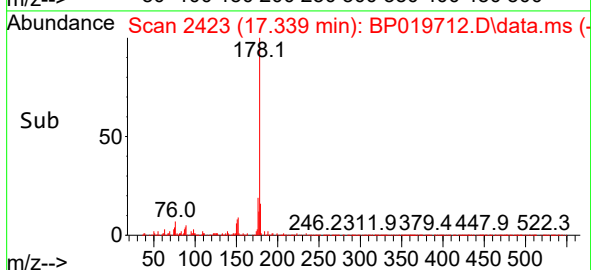
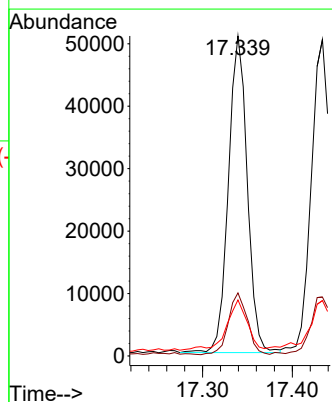
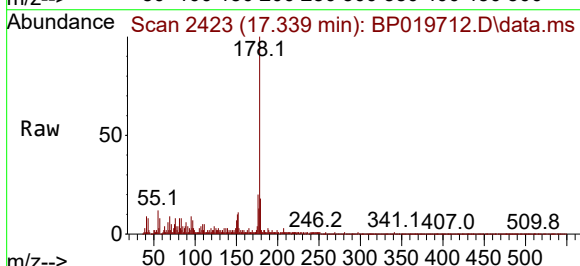
Tgt Ion:178 Resp: 74033

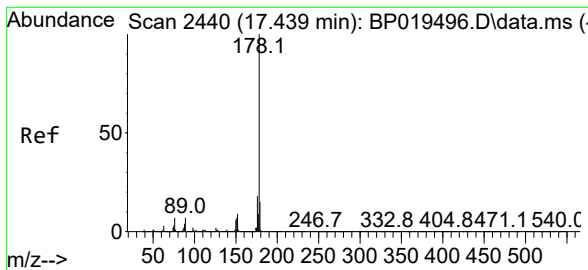
Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

179 17.5 12.6 19.0

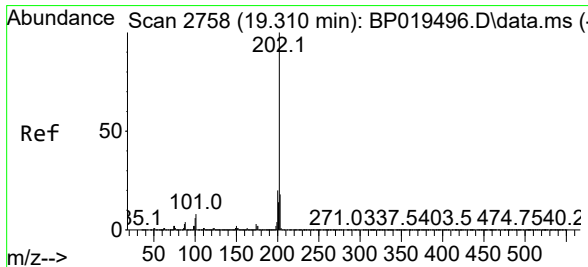
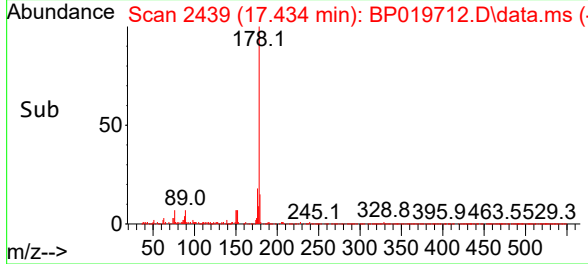
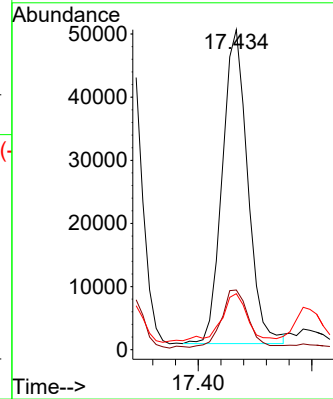
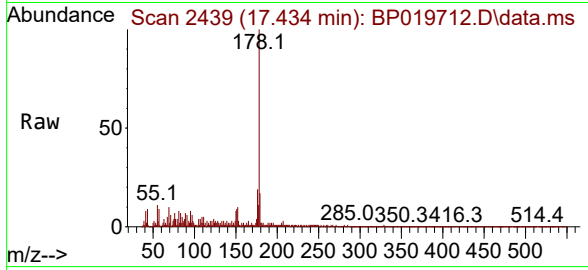




#72
 Anthracene
 Concen: 3.363 ng
 RT: 17.434 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP019712.D
 Acq: 14 Feb 2024 21:10

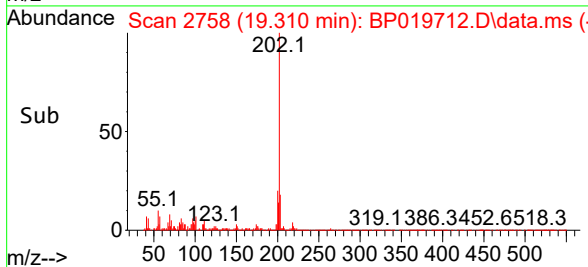
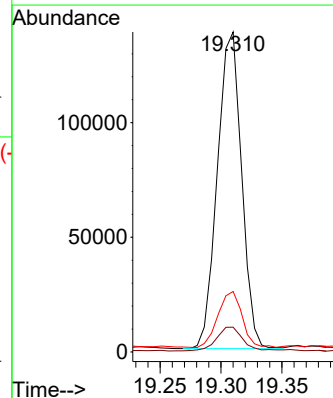
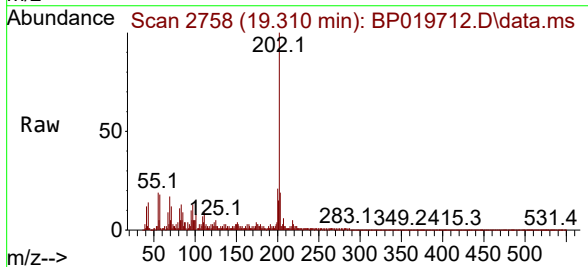
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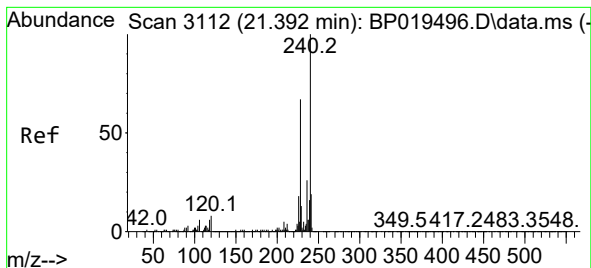
Tgt Ion:178	Resp:	77177
Ion Ratio	Lower	Upper
178	100	
176	18.6	14.7 22.1
179	17.5	12.2 18.2



#75
 Fluoranthene
 Concen: 6.806 ng
 RT: 19.310 min Scan# 2758
 Delta R.T. 0.000 min
 Lab File: BP019712.D
 Acq: 14 Feb 2024 21:10

Tgt Ion:202	Resp:	191294
Ion Ratio	Lower	Upper
202	100	
101	7.7	0.0 27.7
203	18.9	0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

Instrument :

BNA_P

ClientSampleId :

VNJ-222

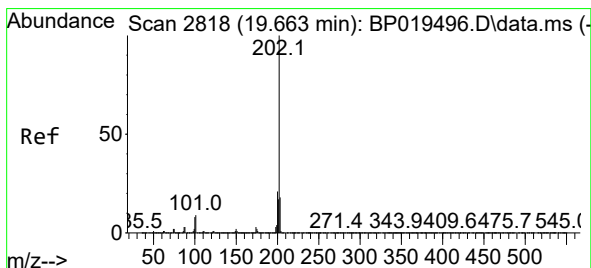
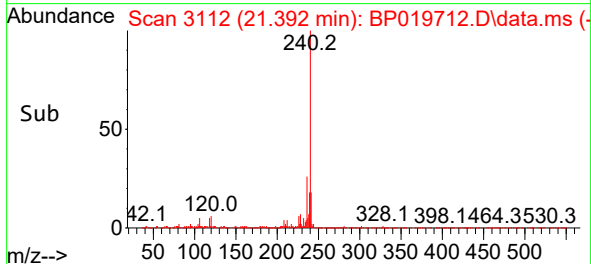
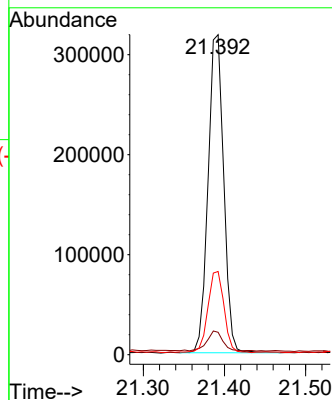
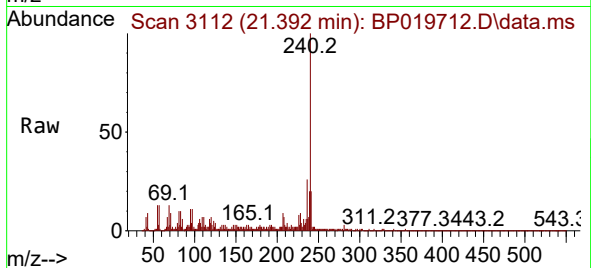
Tgt Ion:240 Resp: 424192

Ion Ratio Lower Upper

240 100

120 7.0 6.1 9.1

236 26.0 20.7 31.1



#78

Pyrene

Concen: 8.996 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

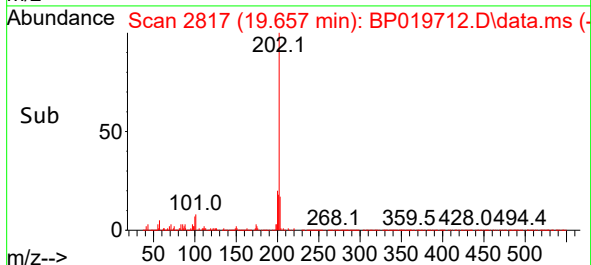
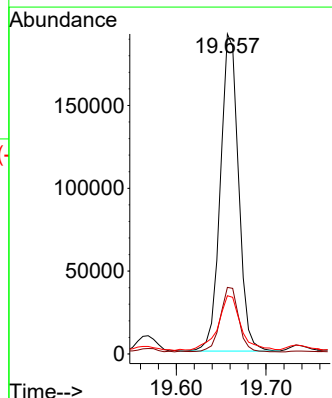
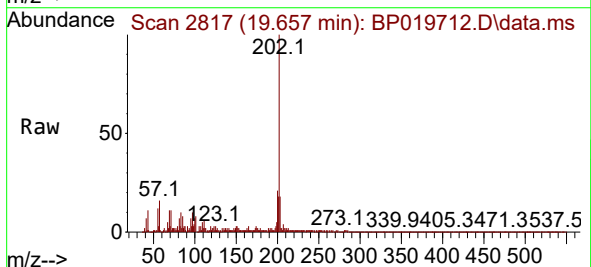
Tgt Ion:202 Resp: 269310

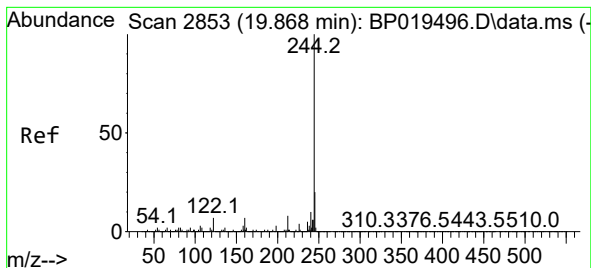
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 18.2 14.2 21.2





#79

Terphenyl-d14

Concen: 55.498 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

Instrument :

BNA_P

ClientSampleId :

VNJ-222

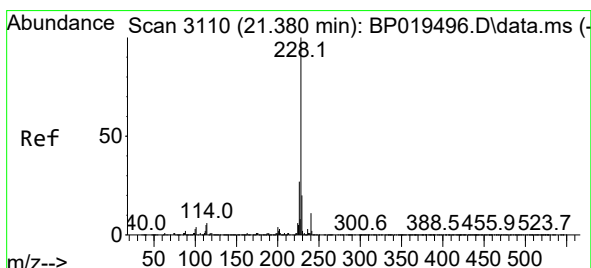
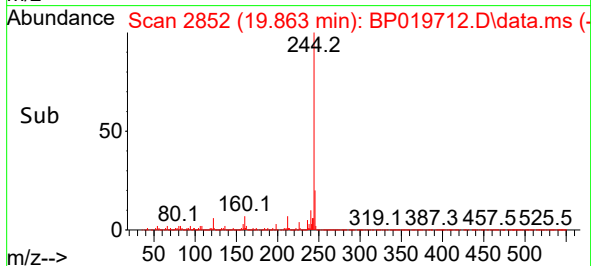
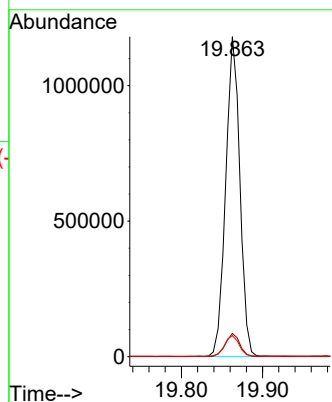
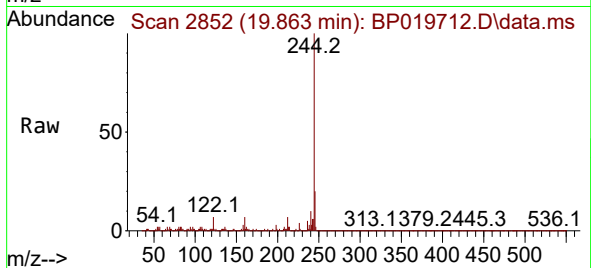
Tgt Ion:244 Resp: 1431498

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 6.6 5.9 8.9



#81

Benzo(a)anthracene

Concen: 4.927 ng

RT: 21.375 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

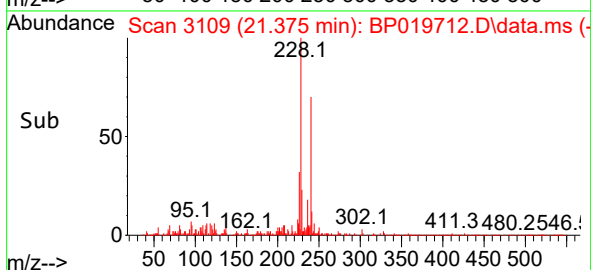
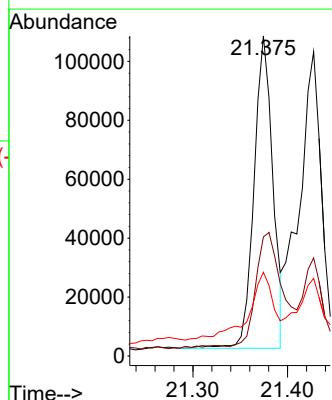
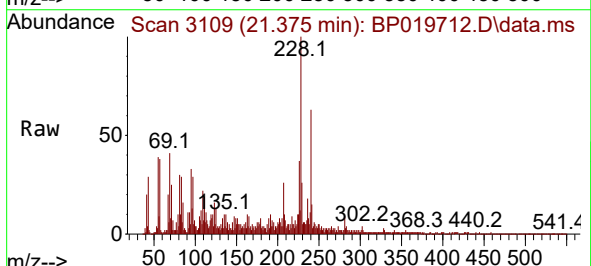
Tgt Ion:228 Resp: 147111

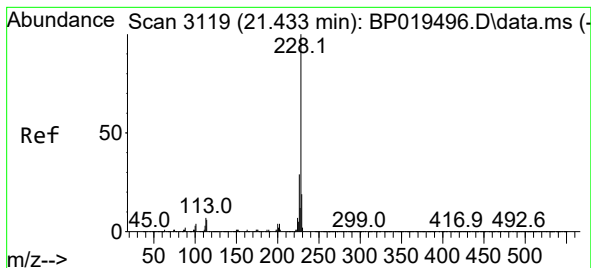
Ion Ratio Lower Upper

228 100

226 37.2 21.7 32.5#

229 26.2 15.6 23.4#





#83

Chrysene

Concen: 5.503 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

Instrument :

BNA_P

ClientSampleId :

VNJ-222

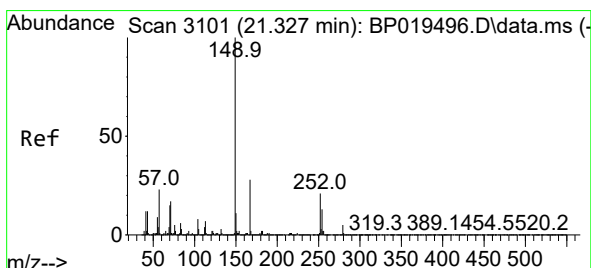
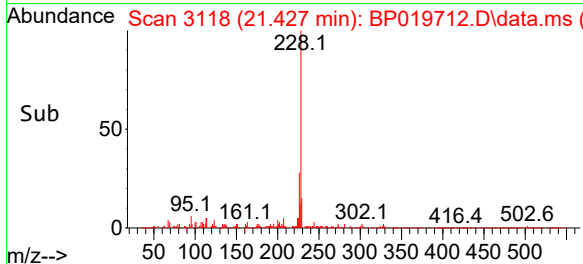
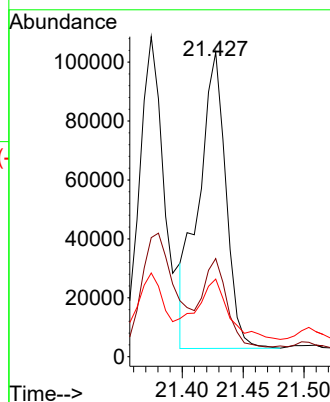
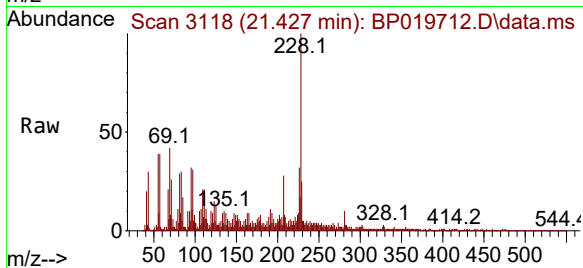
Tgt Ion:228 Resp: 156013

Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.2

229 25.5 15.6 23.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.683 ng

RT: 21.310 min Scan# 3098

Delta R.T. -0.017 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

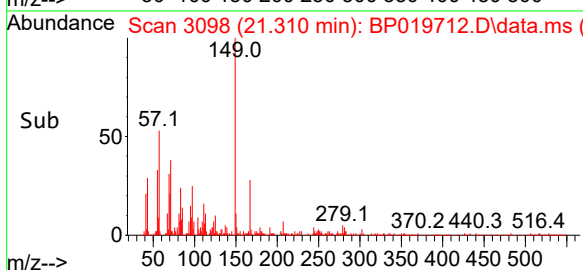
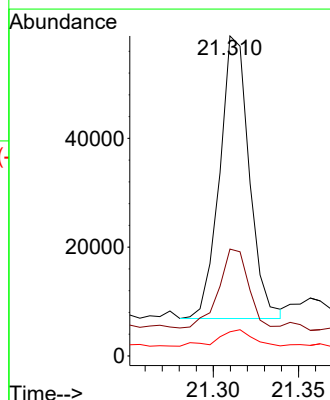
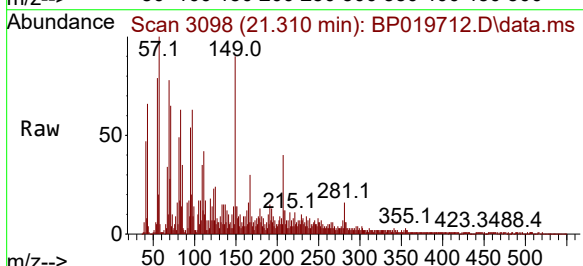
Tgt Ion:149 Resp: 62707

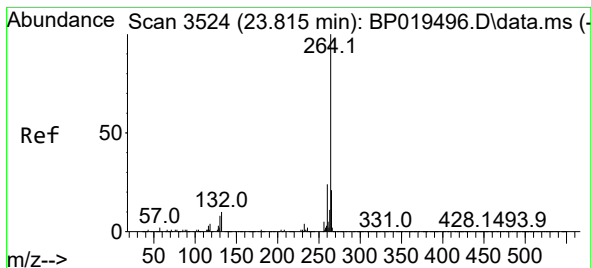
Ion Ratio Lower Upper

149 100

167 33.4 22.7 34.1

279 7.6 4.2 6.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.816 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

Instrument :

BNA_P

ClientSampleId :

VNJ-222

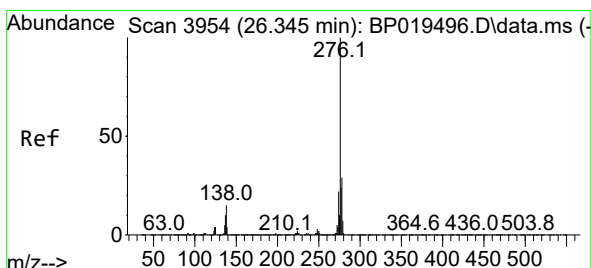
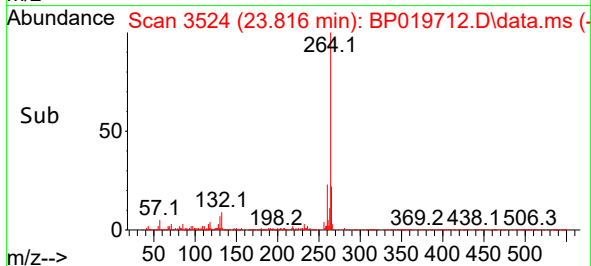
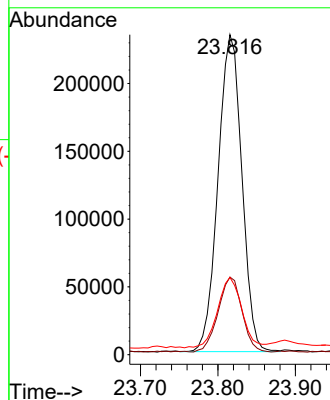
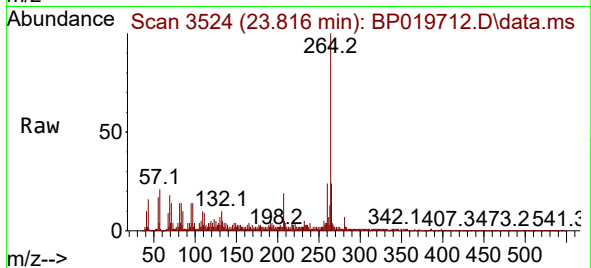
Tgt Ion:264 Resp: 500462

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 24.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.732 ng

RT: 26.351 min Scan# 3955

Delta R.T. 0.006 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

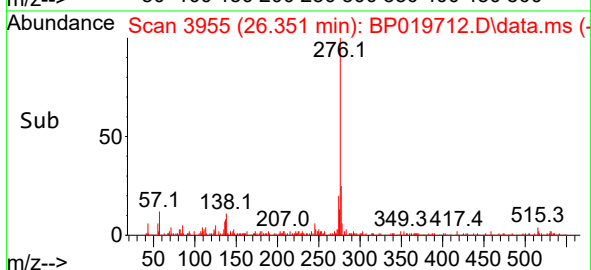
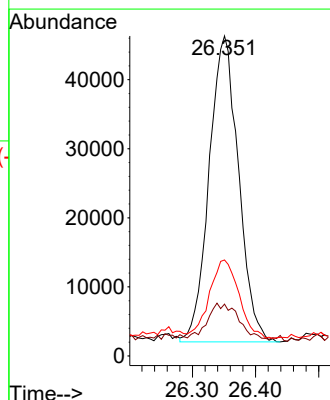
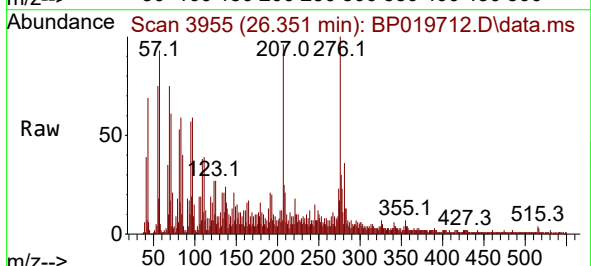
Tgt Ion:276 Resp: 142966

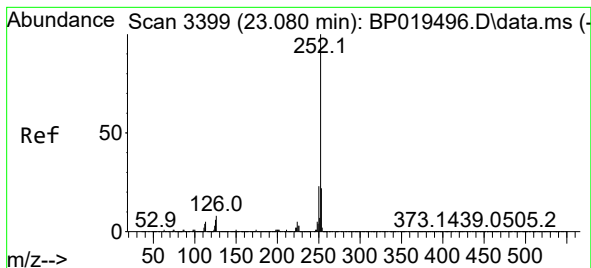
Ion Ratio Lower Upper

276 100

138 13.7 13.1 19.7

277 25.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 7.728 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

Instrument :

BNA_P

ClientSampleId :

VNJ-222

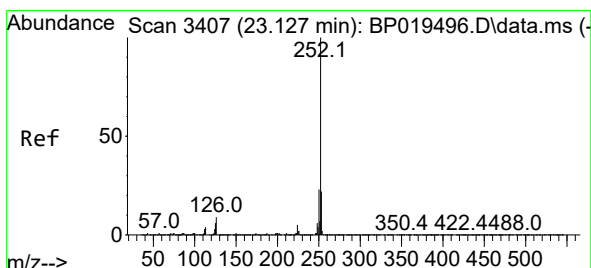
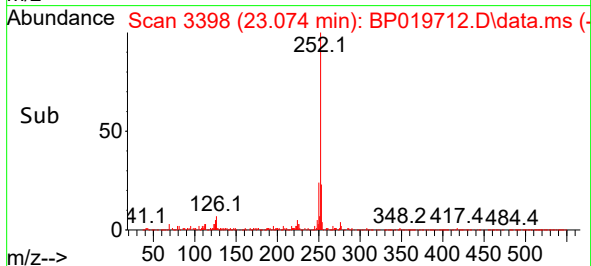
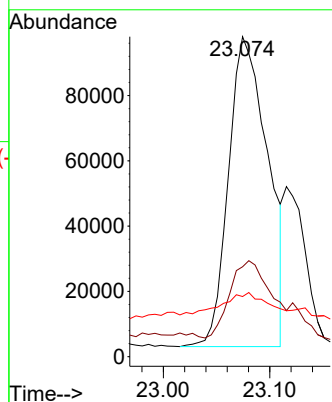
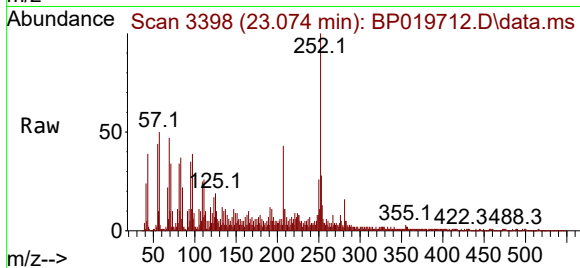
Tgt Ion:252 Resp: 243747

Ion Ratio Lower Upper

252 100

253 28.1 17.3 25.9#

125 18.8 4.9 7.3#



#89

Benzo(k)fluoranthene

Concen: 8.090 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.053 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

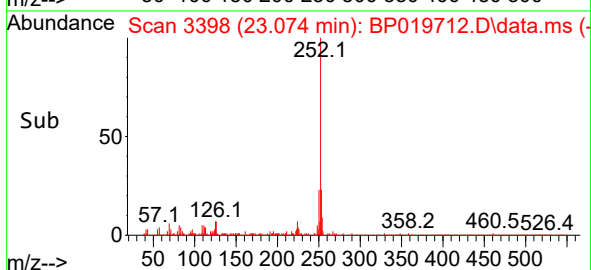
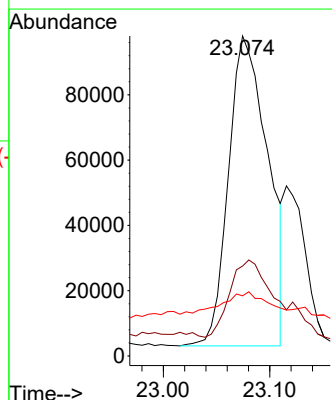
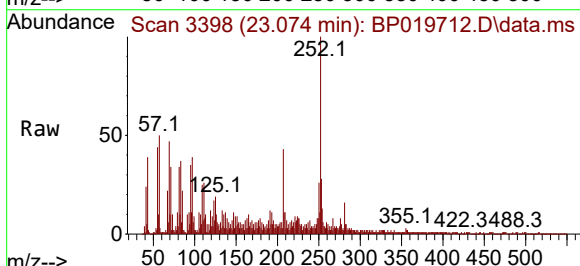
Tgt Ion:252 Resp: 243747

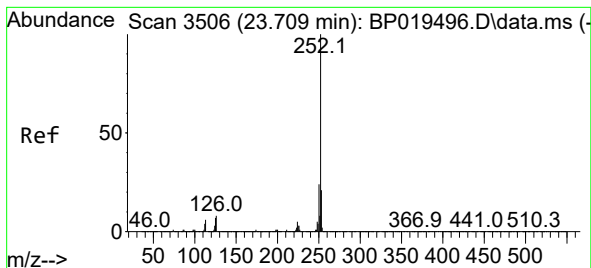
Ion Ratio Lower Upper

252 100

253 28.1 17.1 25.7#

125 18.8 5.0 7.6#





#90

Benzo(a)pyrene

Concen: 7.065 ng

RT: 23.710 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

Instrument :

BNA_P

ClientSampleId :

VNJ-222

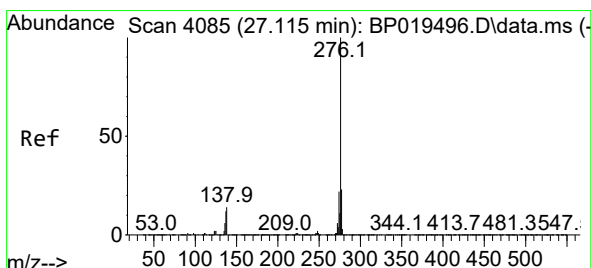
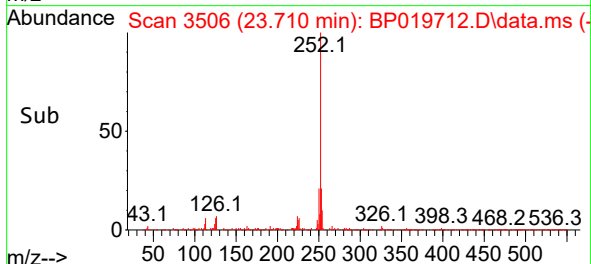
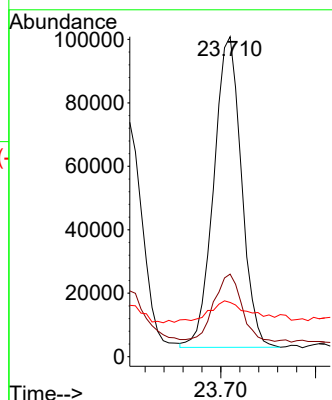
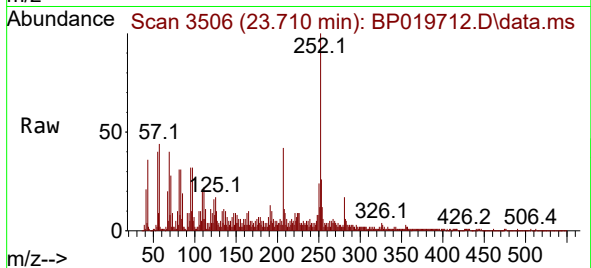
Tgt Ion:252 Resp: 198292

Ion Ratio Lower Upper

252 100

253 25.8 17.1 25.7#

125 17.0 5.6 8.4#



#92

Benzo(g,h,i)perylene

Concen: 5.112 ng

RT: 27.133 min Scan# 4088

Delta R.T. 0.018 min

Lab File: BP019712.D

Acq: 14 Feb 2024 21:10

Tgt Ion:276 Resp: 163408

Ion Ratio Lower Upper

276 100

277 26.5 18.6 28.0

138 14.2 10.9 16.3

