

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012924\
 Data File : BP019475.D
 Acq On : 29 Jan 2024 20:27
 Operator : MA/JU
 Sample : 01260-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-01252024

Quant Time: Jan 30 01:22:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 30 00:59:08 2024
 Response via : Initial Calibration

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

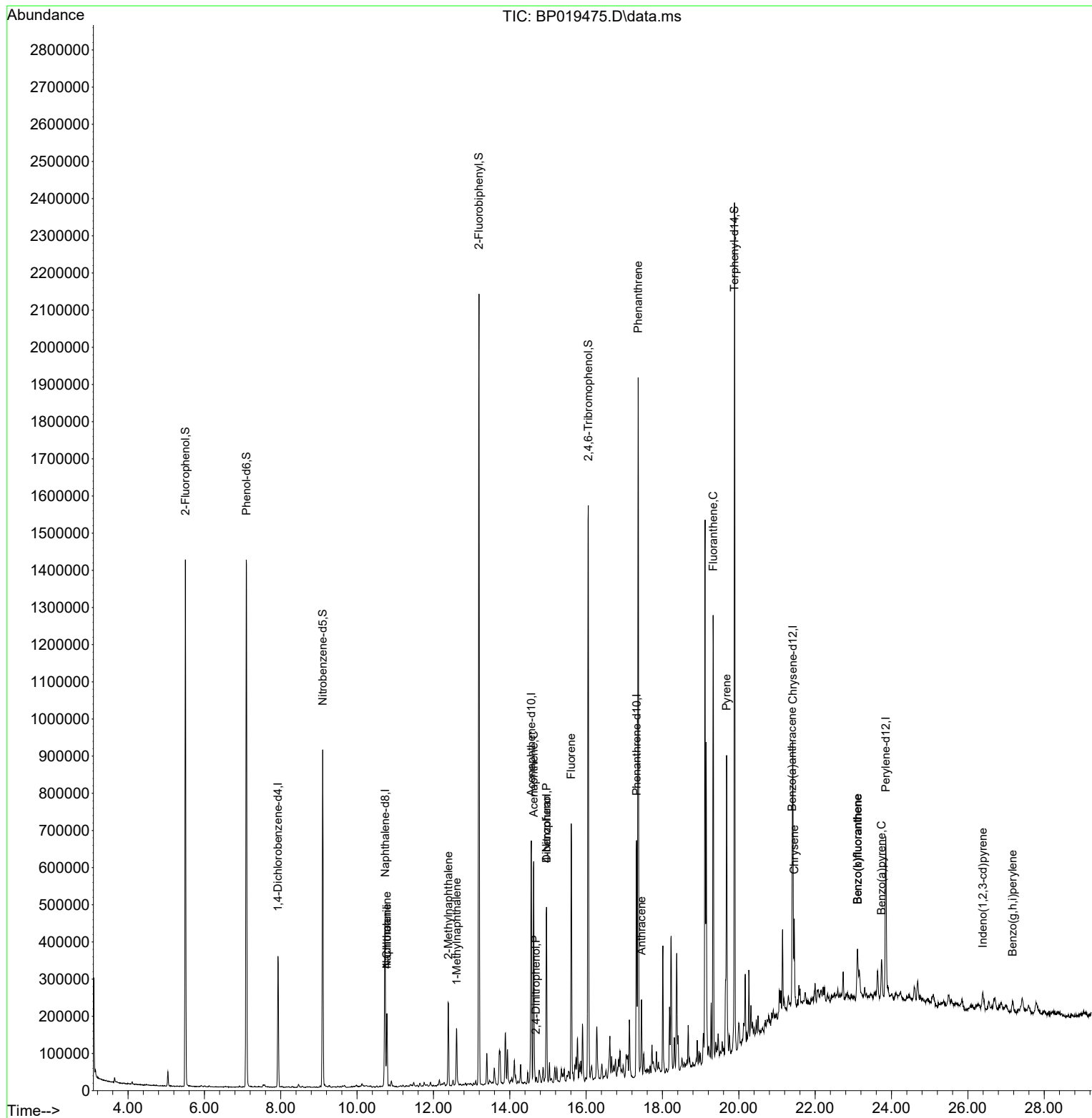
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	84738	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	344577	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	209257	20.000	ng	0.00
64) Phenanthrene-d10	17.322	188	386963	20.000	ng	0.00
76) Chrysene-d12	21.416	240	292797	20.000	ng	0.00
86) Perylene-d12	23.851	264	337461	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.505	112	504059	94.652	ng	0.00
7) Phenol-d6	7.099	99	705007	90.684	ng	0.00
23) Nitrobenzene-d5	9.099	82	498332	59.509	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	239293	83.464	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	1026061	63.134	ng	0.00
79) Terphenyl-d14	19.886	244	1037762	50.496	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.099	77	1825	Below Cal	#	9
31) Naphthalene	10.781	128	143351	7.456	ng	98
33) 4-Chloroaniline	10.781	127	19668	2.597	ng	# 34
37) 2-Methylnaphthalene	12.393	142	101787	7.386	ng	97
38) 1-Methylnaphthalene	12.610	142	65595	4.812	ng	99
52) Acenaphthene	14.628	154	205823	17.090	ng	98
54) 2,4-Dinitrophenol	14.687	184	16	3.961	ng	# 1
55) Dibenzofuran	14.963	168	254140	12.872	ng	98
56) 4-Nitrophenol	14.963	139	107816	37.215	ng	# 1
58) Fluorene	15.610	166	295154	18.068	ng	99
71) Phenanthrene	17.363	178	1077590	52.301	ng	99
72) Anthracene	17.451	178	118262	5.749	ng	99
75) Fluoranthene	19.328	202	679825	27.256	ng	99
77) Benzidine	19.528	184	29	Below Cal	#	1
78) Pyrene	19.680	202	484175	19.817	ng	99
81) Benzo(a)anthracene	21.398	228	162497	7.700	ng	98
83) Chrysene	21.451	228	139368	7.080	ng	98
87) Indeno(1,2,3-cd)pyrene	26.392	276	45660	2.030	ng	96
88) Benzo(b)fluoranthene	23.110	252	121784	5.397	ng	# 91
89) Benzo(k)fluoranthene	23.110	252	121784	5.661	ng	# 90
90) Benzo(a)pyrene	23.739	252	83484	4.333	ng	99
92) Benzo(g,h,i)perylene	27.168	276	42898	2.314	ng	96

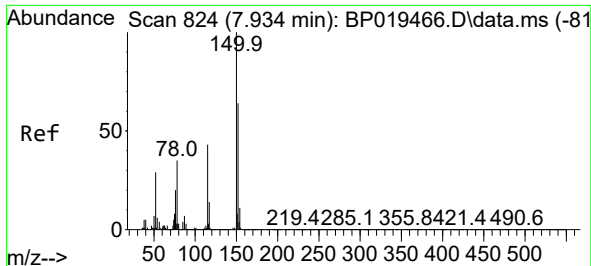
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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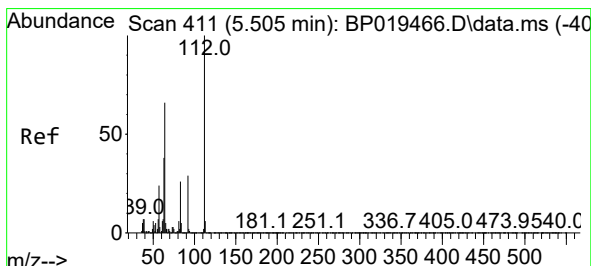
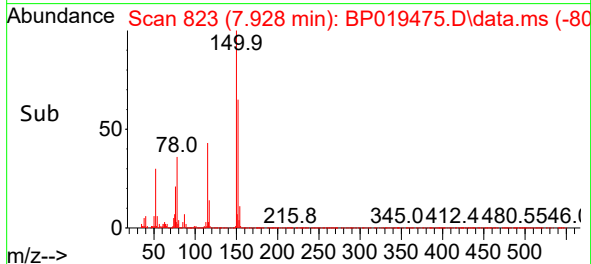
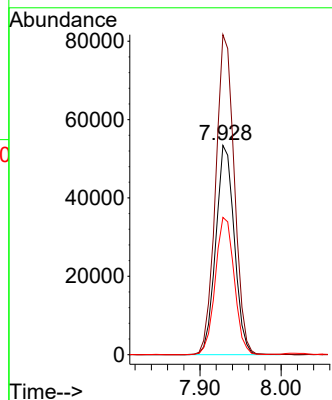
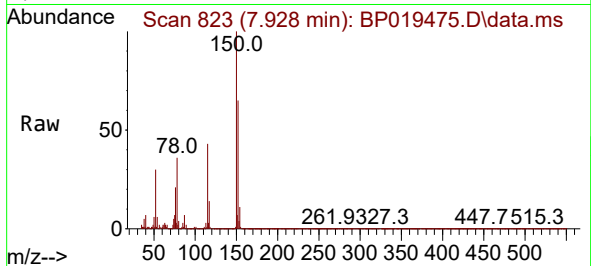




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

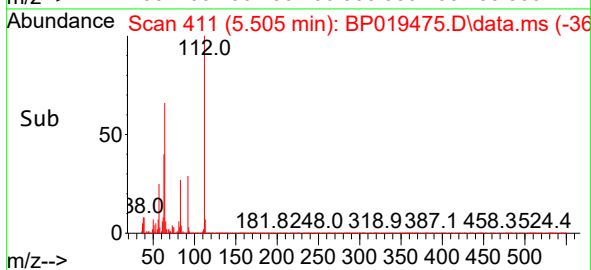
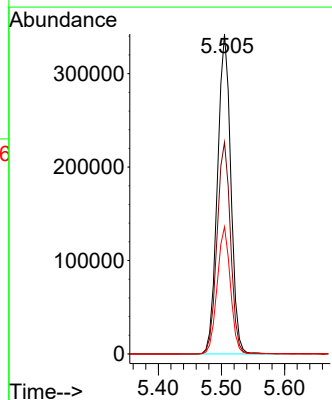
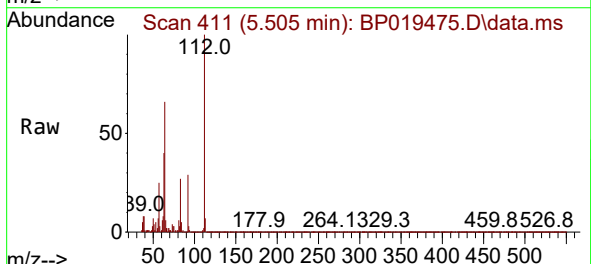
Instrument :
BNA_P
ClientSampleId :
SU-03-01252024

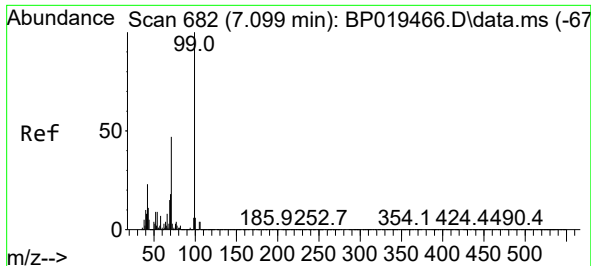
Tgt Ion:152 Resp: 84738
Ion Ratio Lower Upper
152 100
150 152.9 125.4 188.2
115 65.6 53.7 80.5



#5
2-Fluorophenol
Concen: 94.652 ng
RT: 5.505 min Scan# 411
Delta R.T. -0.000 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

Tgt Ion:112 Resp: 504059
Ion Ratio Lower Upper
112 100
64 66.2 52.6 79.0
63 39.7 30.3 45.5

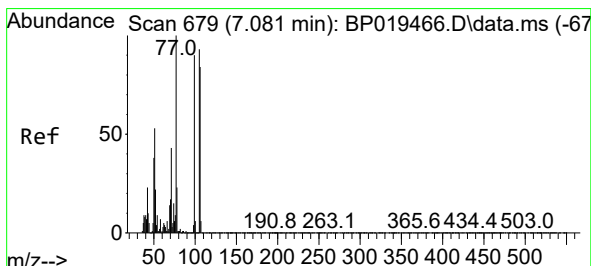
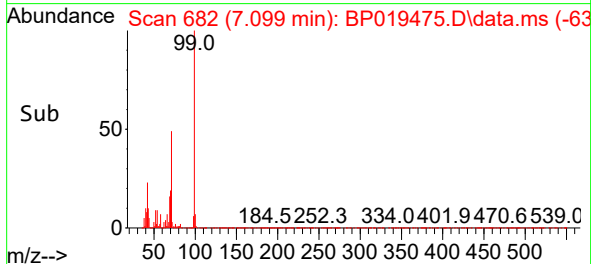
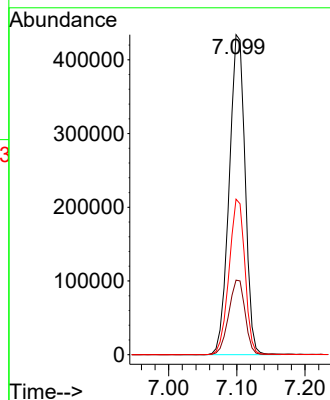
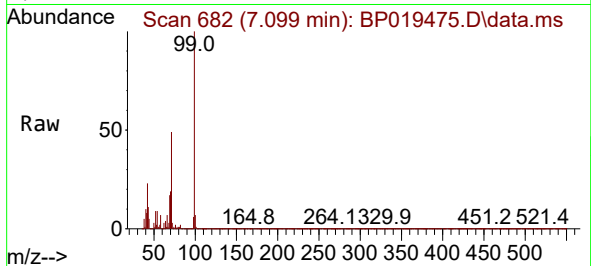




#7
Phenol-d6
Concen: 90.684 ng
RT: 7.099 min Scan# 682
Delta R.T. -0.000 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

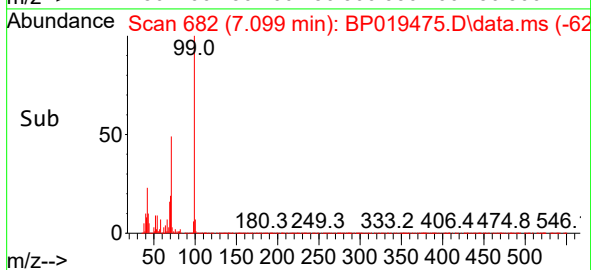
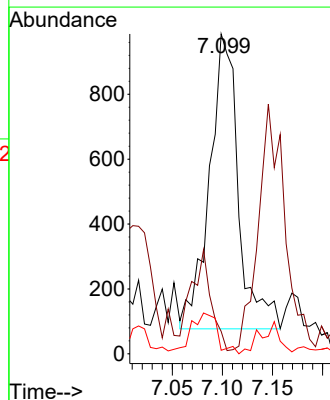
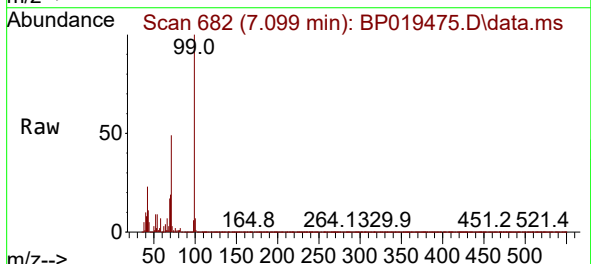
Instrument :
BNA_P
ClientSampleId :
SU-03-01252024

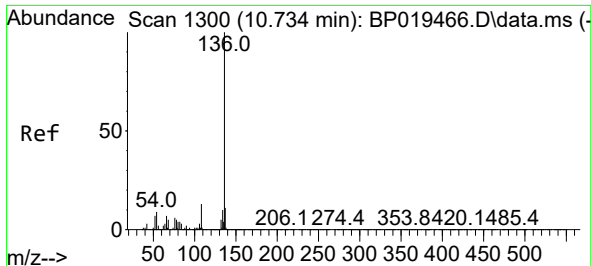
Tgt Ion: 99 Resp: 705007
Ion Ratio Lower Upper
99 100
42 23.3 18.6 28.0
71 48.6 37.8 56.6



#9
Benzaldehyde
Concen: Below Cal
RT: 7.099 min Scan# 682
Delta R.T. 0.018 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

Tgt Ion: 77 Resp: 1825
Ion Ratio Lower Upper
77 100
105 7.0 72.9 112.9#
106 1.1 64.4 104.4#

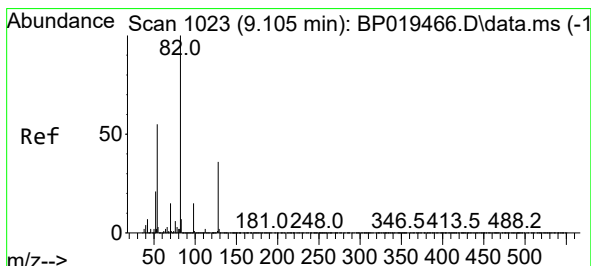
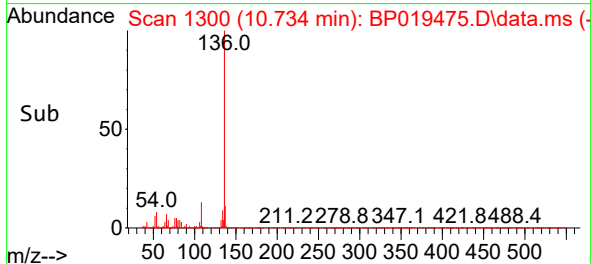
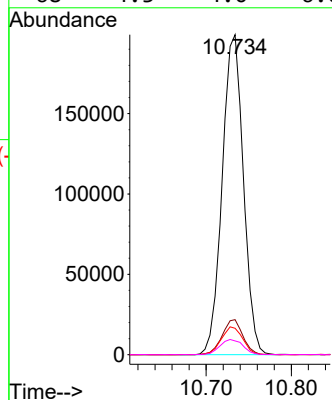
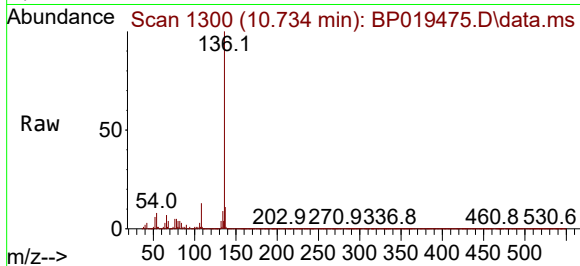




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

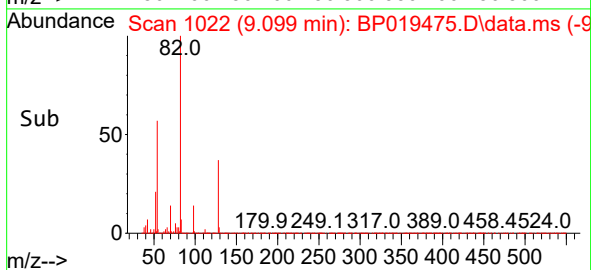
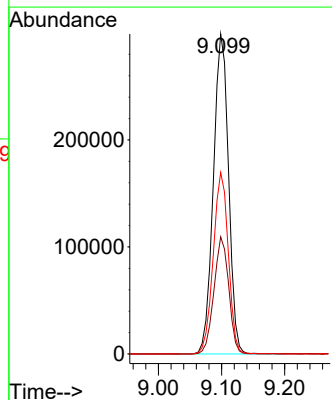
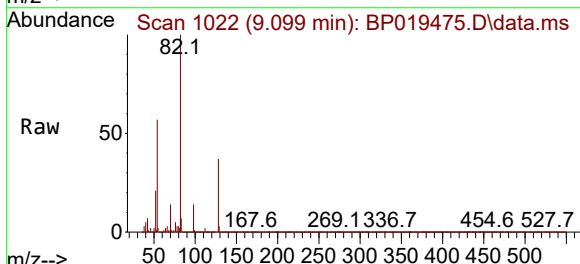
Instrument :
BNA_P
ClientSampleId :
SU-03-01252024

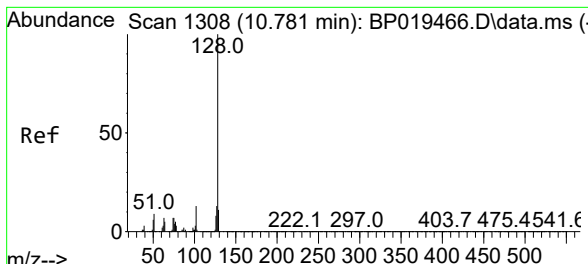
Tgt Ion:	136	Resp:	344577
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.2	7.4	11.0
68	4.3	4.0	6.0



#23
Nitrobenzene-d5
Concen: 59.509 ng
RT: 9.099 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

Tgt Ion:	82	Resp:	498332
Ion	Ratio	Lower	Upper
82	100		
128	36.6	28.9	43.3
54	56.7	44.3	66.5

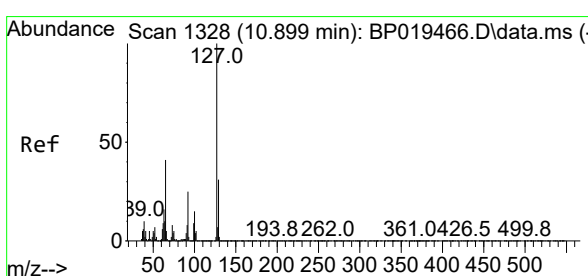
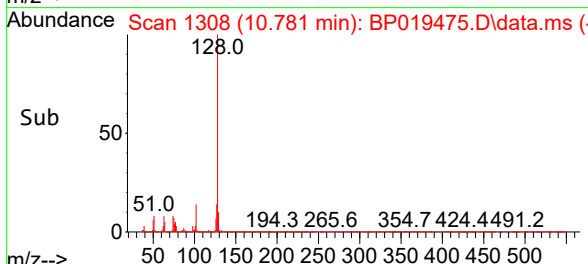
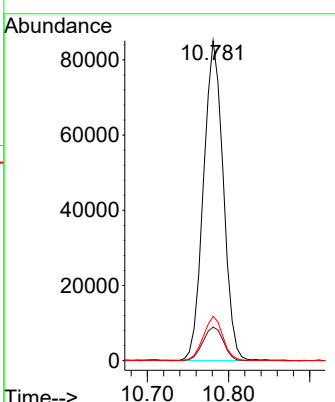
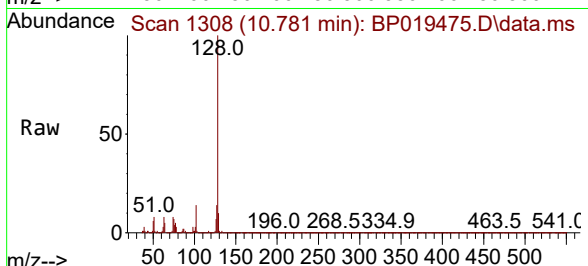




#31
Naphthalene
Concen: 7.456 ng
RT: 10.781 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

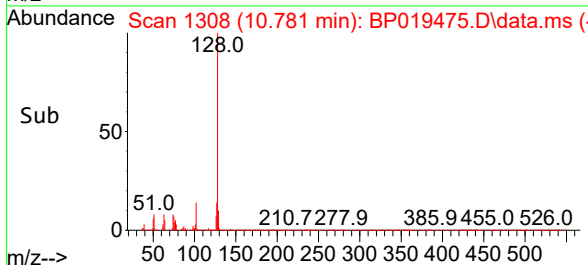
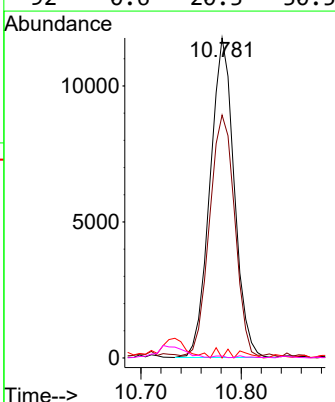
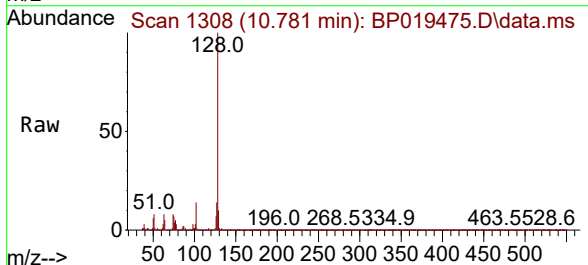
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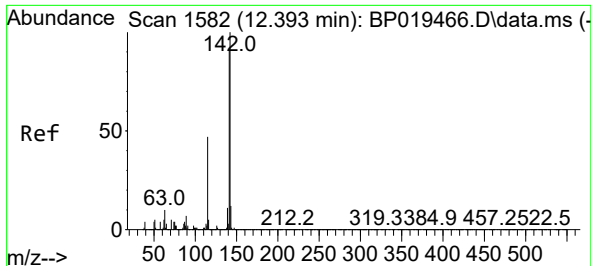
Tgt Ion:	128	Resp:	143351
Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.9	13.3
127	13.8	10.6	15.8



#33
4-Chloroaniline
Concen: 2.597 ng
RT: 10.781 min Scan# 1308
Delta R.T. -0.118 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

Tgt Ion:	127	Resp:	19668
Ion	Ratio	Lower	Upper
127	100		
129	75.9	25.0	37.4#
65	0.0	32.6	48.8#
92	0.6	20.3	30.5#

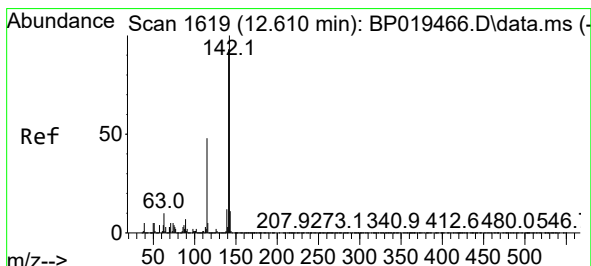
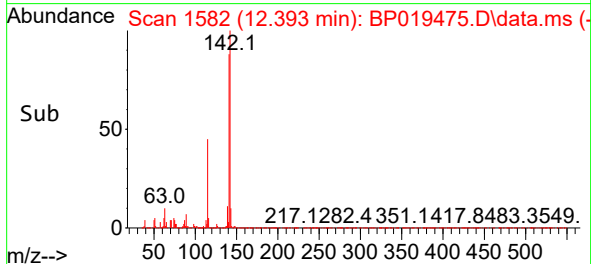
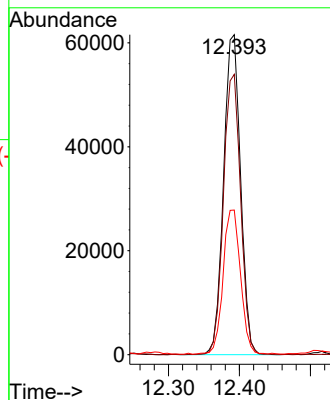
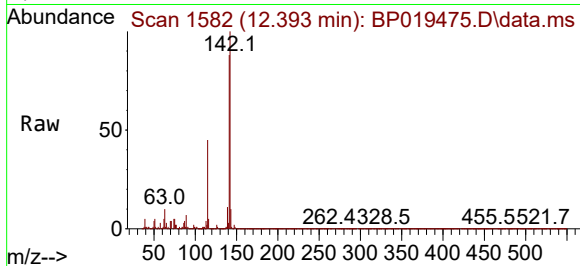




#37
2-Methylnaphthalene
Concen: 7.386 ng
RT: 12.393 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

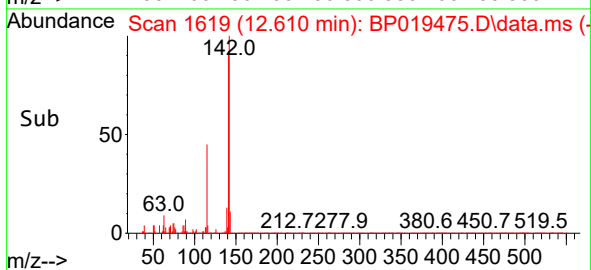
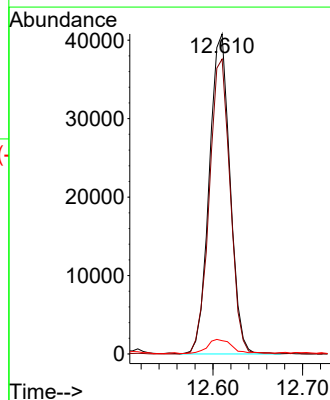
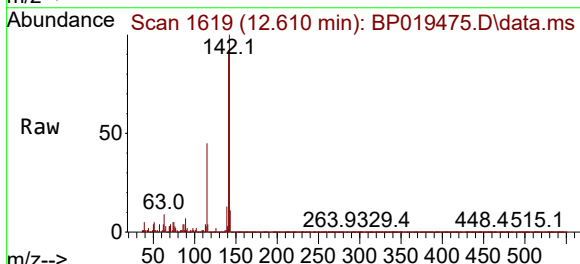
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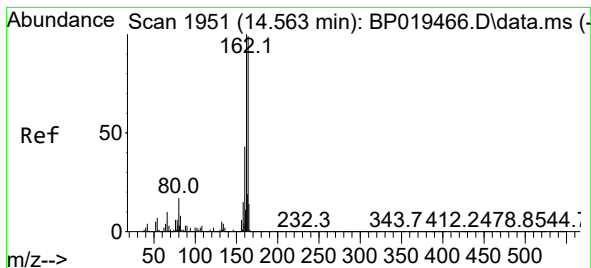
Tgt Ion:142 Resp: 101787
Ion Ratio Lower Upper
142 100
141 87.6 73.0 109.4
115 45.2 37.4 56.2



#38
1-Methylnaphthalene
Concen: 4.812 ng
RT: 12.610 min Scan# 1619
Delta R.T. -0.000 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

Tgt Ion:142 Resp: 65595
Ion Ratio Lower Upper
142 100
141 92.2 74.4 111.6
116 4.1 4.1 6.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1951

Delta R.T. -0.000 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

Instrument :

BNA_P

ClientSampleId :

SU-03-01252024

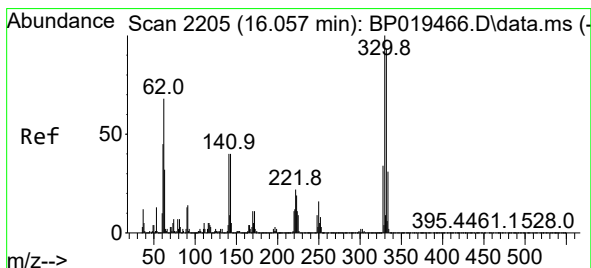
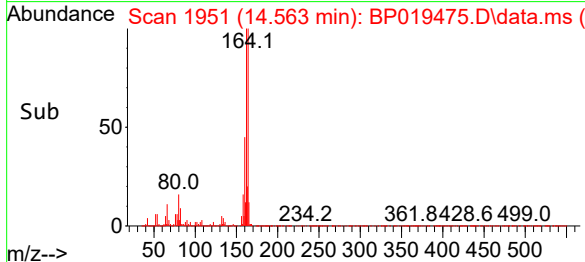
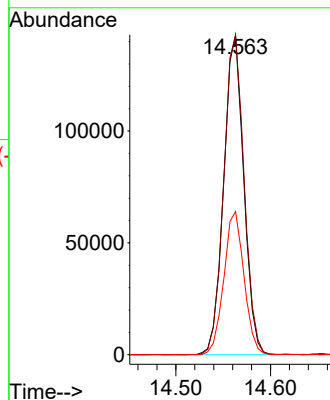
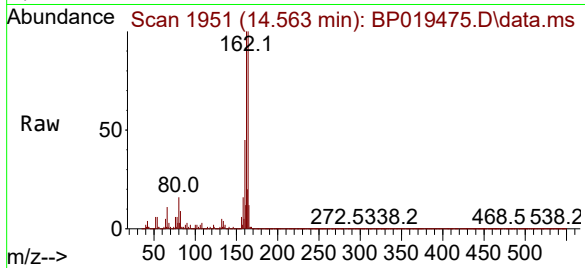
Tgt Ion:164 Resp: 209257

Ion Ratio Lower Upper

164 100

162 100.2 80.7 121.1

160 44.8 35.0 52.6



#42

2,4,6-Tribromophenol

Concen: 83.464 ng

RT: 16.057 min Scan# 2205

Delta R.T. -0.000 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

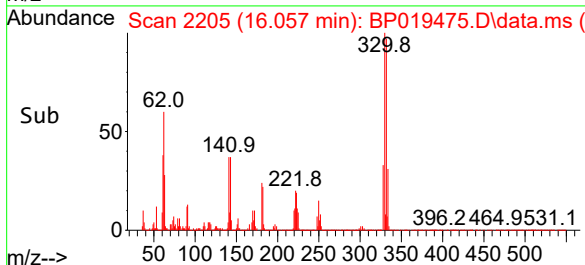
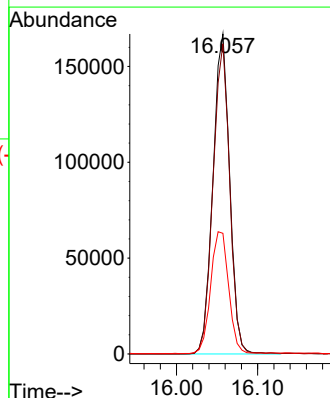
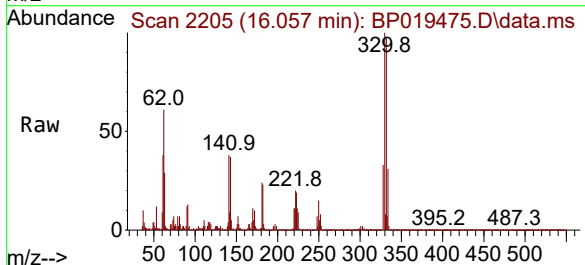
Tgt Ion:330 Resp: 239293

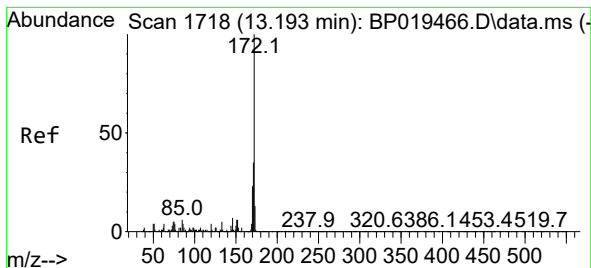
Ion Ratio Lower Upper

330 100

332 96.7 76.2 114.2

141 40.9 33.3 49.9





#45

2-Fluorobiphenyl

Concen: 63.134 ng

RT: 13.193 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

Instrument :

BNA_P

ClientSampleId :

SU-03-01252024

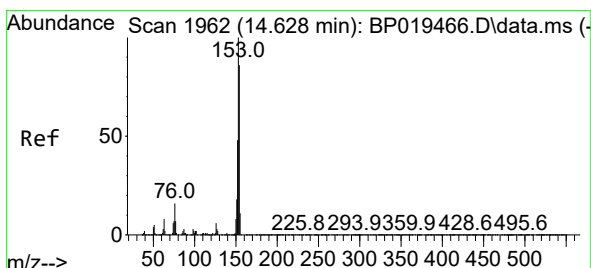
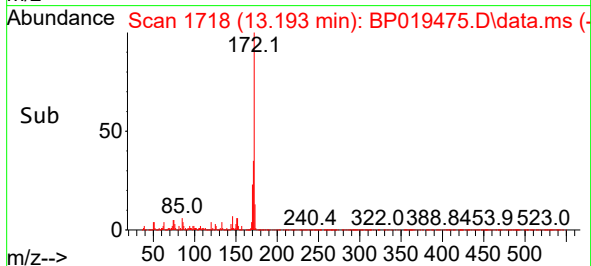
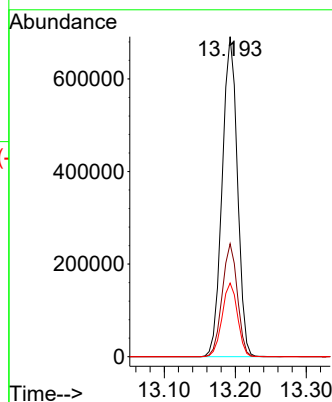
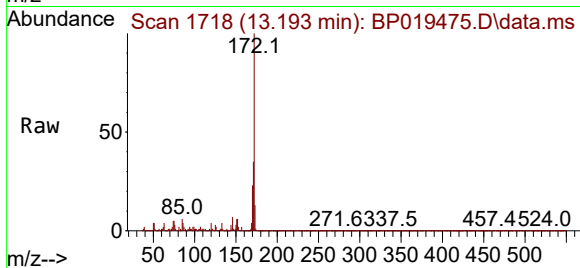
Tgt Ion:172 Resp: 1026061

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.0 18.6 27.8



#52

Acenaphthene

Concen: 17.090 ng

RT: 14.628 min Scan# 1962

Delta R.T. -0.000 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

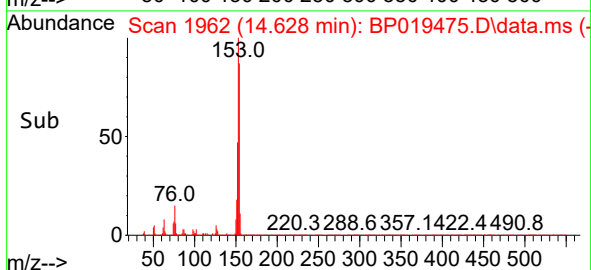
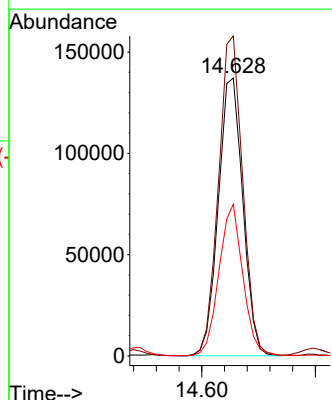
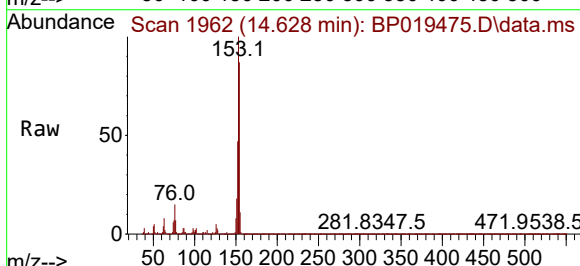
Tgt Ion:154 Resp: 205823

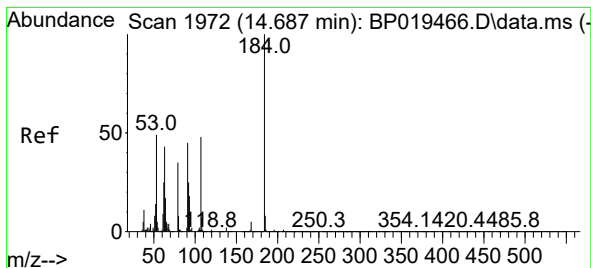
Ion Ratio Lower Upper

154 100

153 115.2 93.4 140.2

152 54.6 44.7 67.1

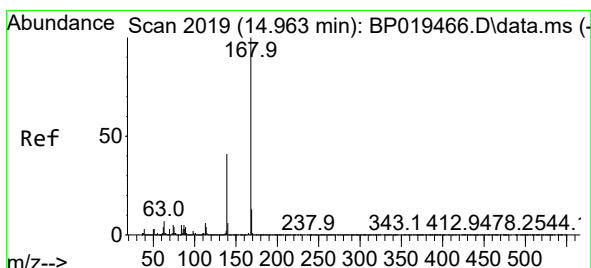
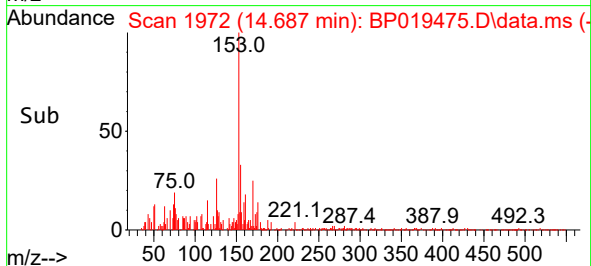
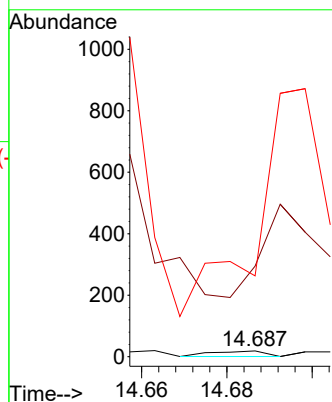
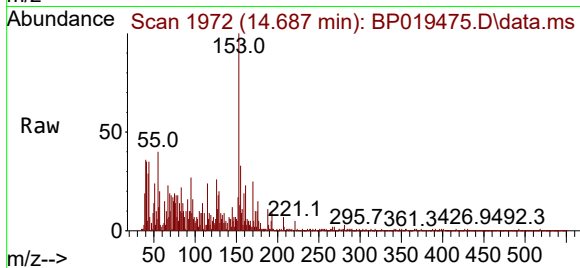




#54
2,4-Dinitrophenol
Concen: 3.961 ng
RT: 14.687 min Scan# 1972
Delta R.T. -0.000 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

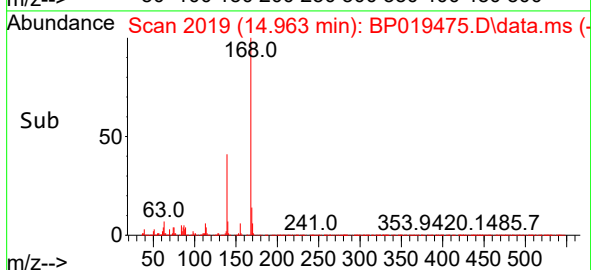
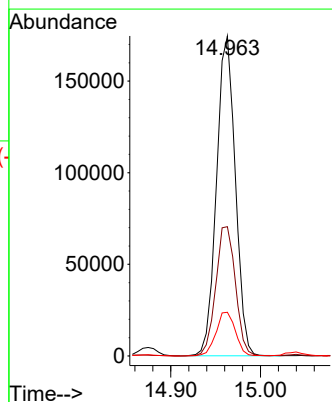
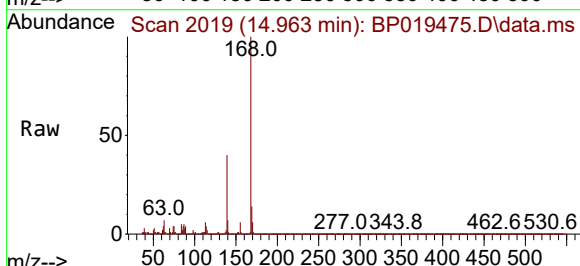
Instrument :
BNA_P
ClientSampleId :
SU-03-01252024

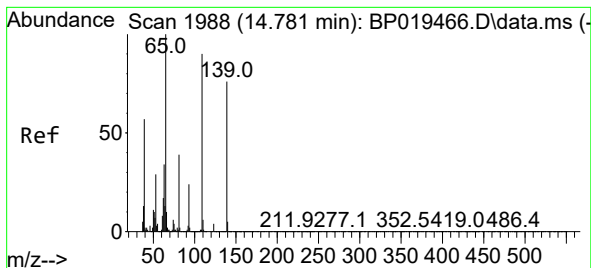
Tgt Ion:184 Resp: 16
Ion Ratio Lower Upper
184 100
63 1552.6 56.8 85.2#
154 1384.2 59.3 88.9#



#55
Dibenzofuran
Concen: 12.872 ng
RT: 14.963 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

Tgt Ion:168 Resp: 254140
Ion Ratio Lower Upper
168 100
139 40.4 33.1 49.7
169 13.7 10.5 15.7

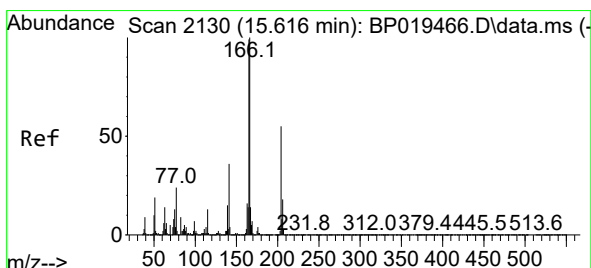
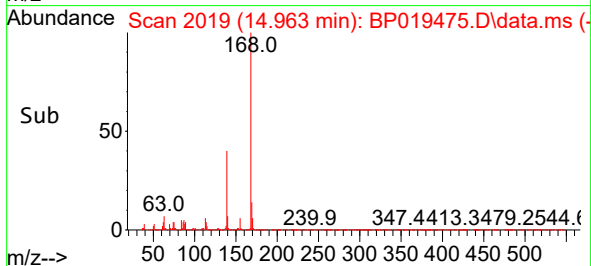
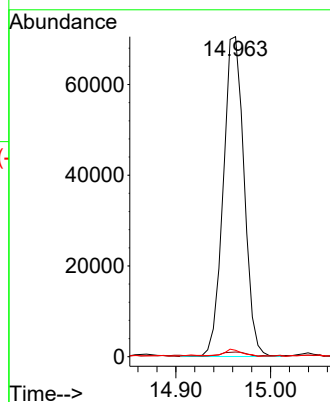
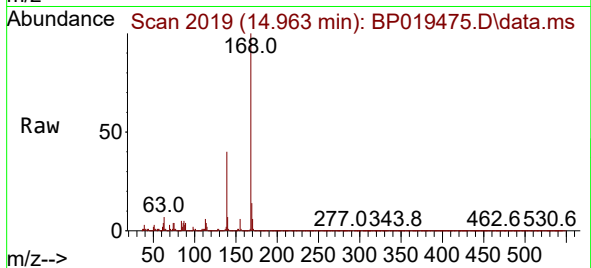




#56
4-Nitrophenol
Concen: 37.215 ng
RT: 14.963 min Scan# 2019
Delta R.T. 0.182 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

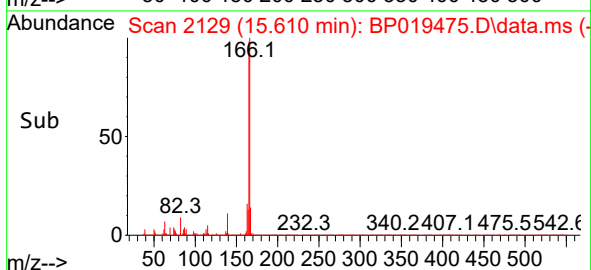
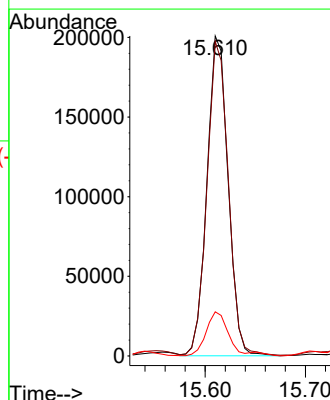
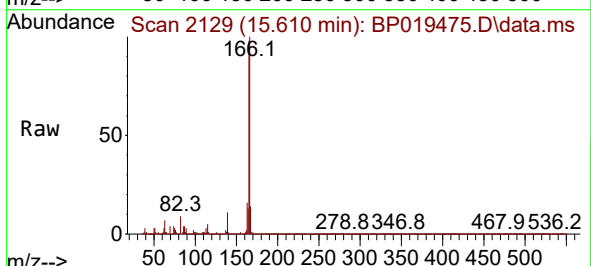
Instrument :
BNA_P
ClientSampleId :
SU-03-01252024

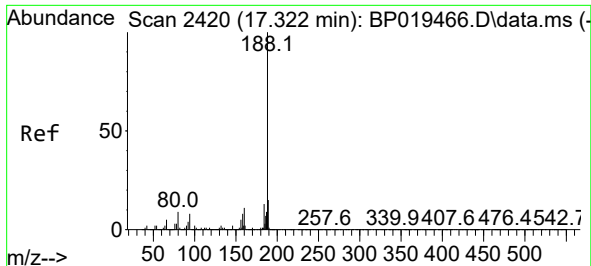
Tgt Ion:139 Resp: 107816
Ion Ratio Lower Upper
139 100
109 1.5 97.6 137.6#
65 2.0 110.9 150.9#



#58
Fluorene
Concen: 18.068 ng
RT: 15.610 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

Tgt Ion:166 Resp: 295154
Ion Ratio Lower Upper
166 100
165 98.3 79.4 119.0
167 13.8 11.2 16.8

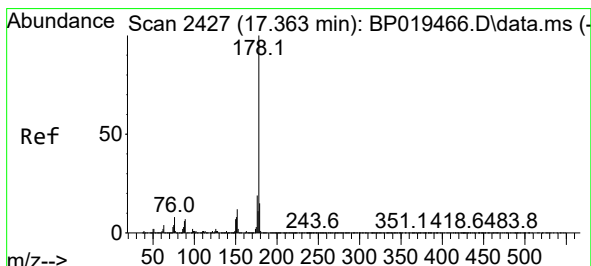
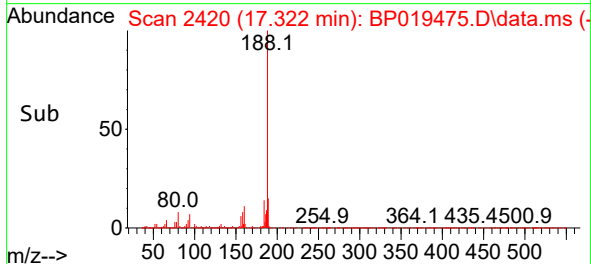
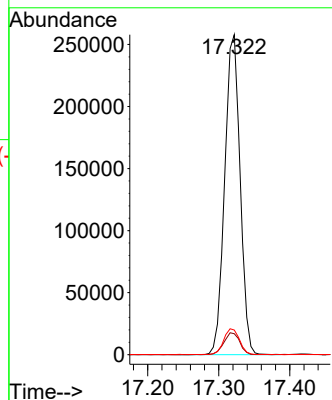
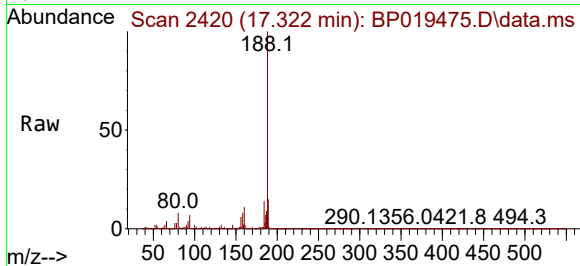




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.322 min Scan# 2420
Delta R.T. -0.000 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

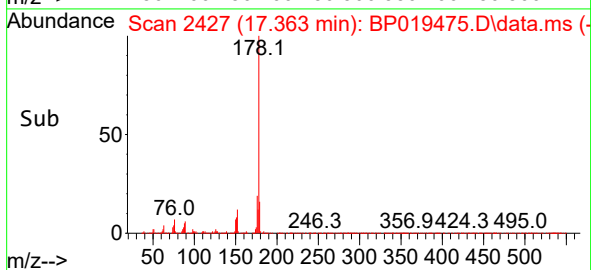
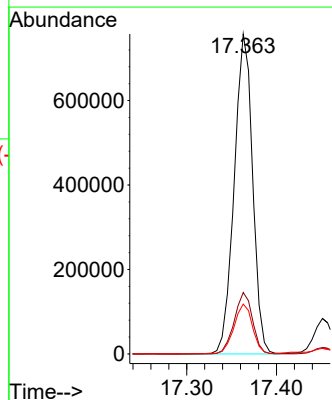
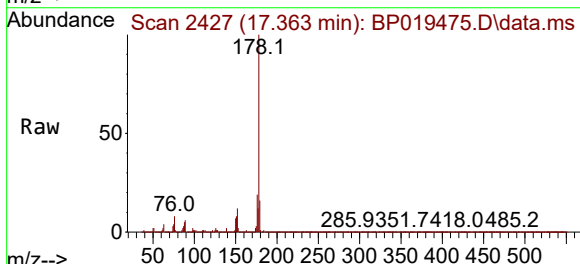
Instrument :
BNA_P
ClientSampleId :
SU-03-01252024

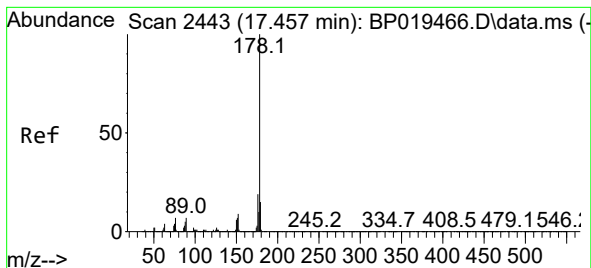
Tgt Ion:188 Resp: 386963
Ion Ratio Lower Upper
188 100
94 6.6 6.1 9.1
80 7.7 6.8 10.2



#71
Phenanthrene
Concen: 52.301 ng
RT: 17.363 min Scan# 2427
Delta R.T. -0.000 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

Tgt Ion:178 Resp: 1077590
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.6
179 15.6 12.0 18.0





#72

Anthracene

Concen: 5.749 ng

RT: 17.451 min Scan# 2443

Delta R.T. -0.006 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

Instrument :

BNA_P

ClientSampleId :

SU-03-01252024

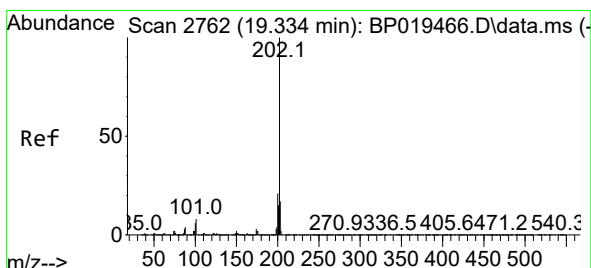
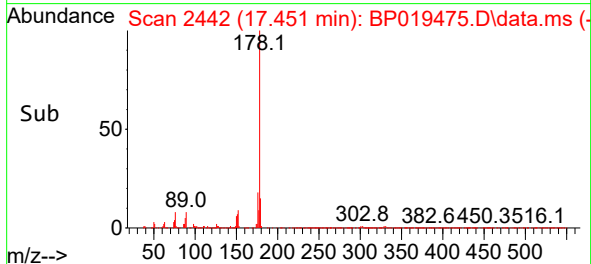
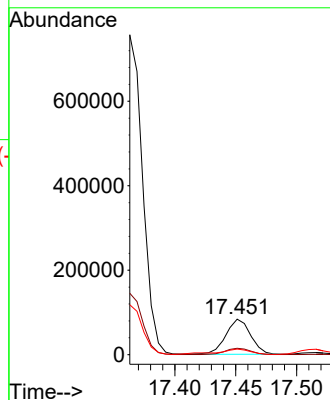
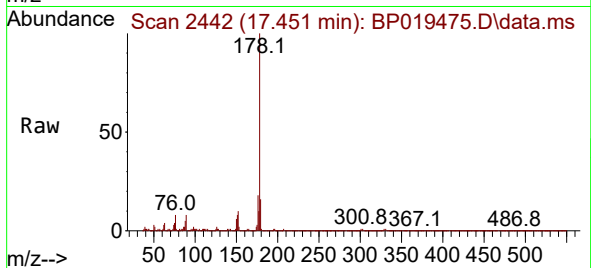
Tgt Ion:178 Resp: 118262

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

179 15.7 12.2 18.2



#75

Fluoranthene

Concen: 27.256 ng

RT: 19.328 min Scan# 2761

Delta R.T. -0.006 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

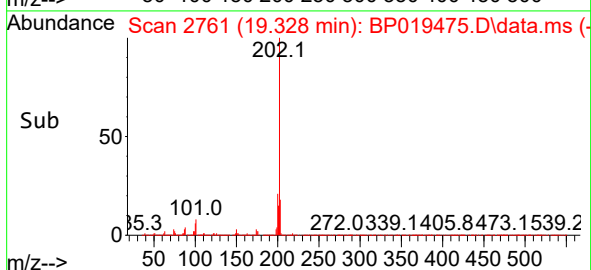
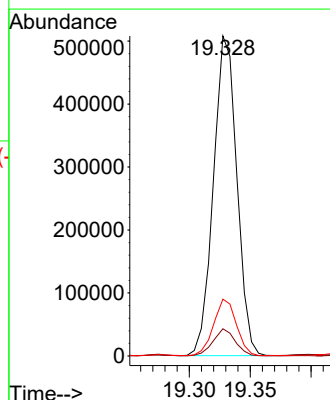
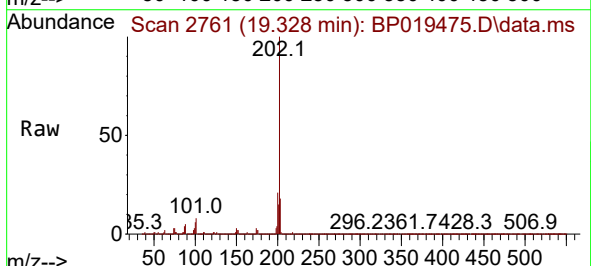
Tgt Ion:202 Resp: 679825

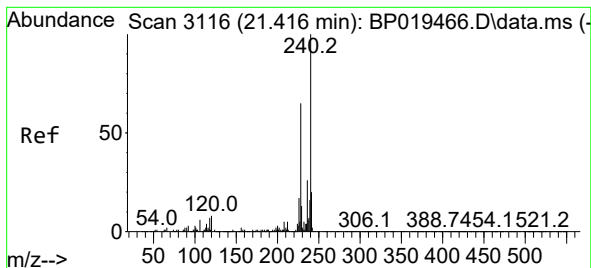
Ion Ratio Lower Upper

202 100

101 8.5 0.0 27.9

203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.416 min Scan# 3116

Delta R.T. -0.000 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

Instrument :

BNA_P

ClientSampleId :

SU-03-01252024

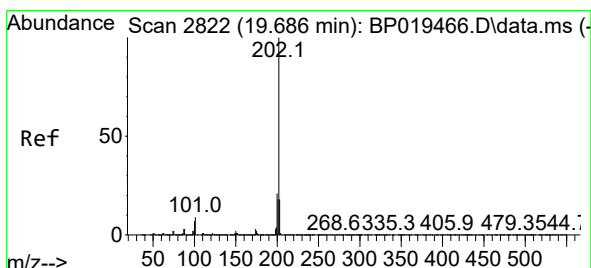
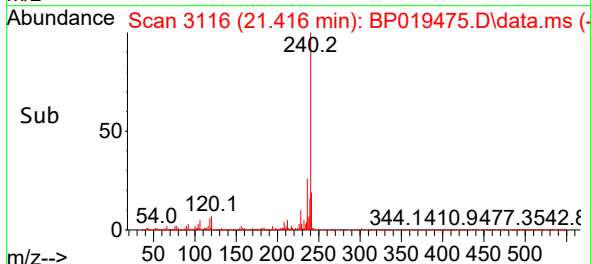
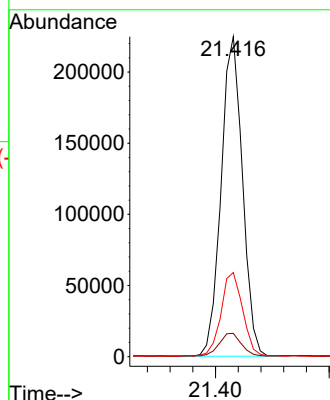
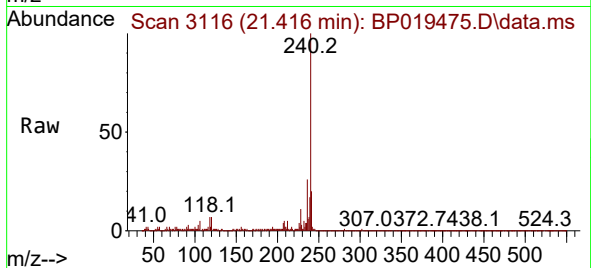
Tgt Ion:240 Resp: 292797

Ion Ratio Lower Upper

240 100

120 7.3 6.1 9.1

236 26.3 20.6 31.0



#78

Pyrene

Concen: 19.817 ng

RT: 19.680 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

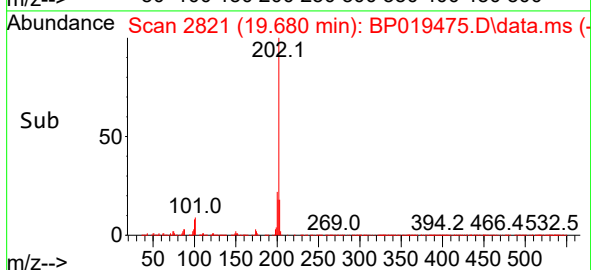
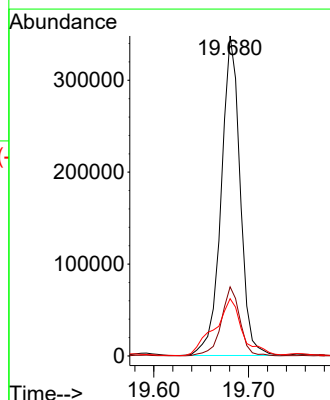
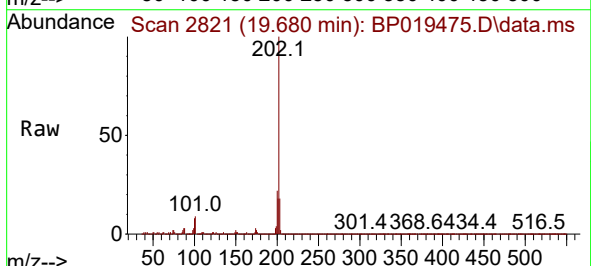
Tgt Ion:202 Resp: 484175

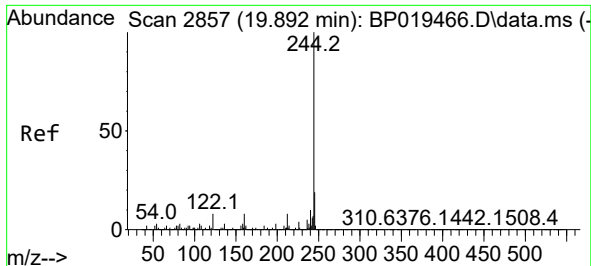
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 17.9 14.2 21.2

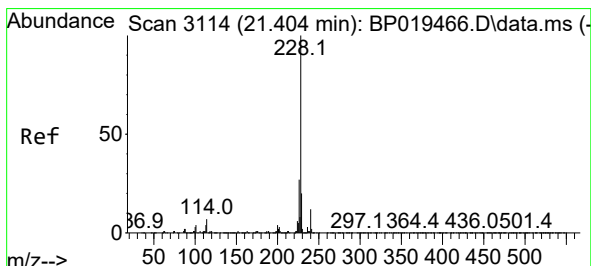
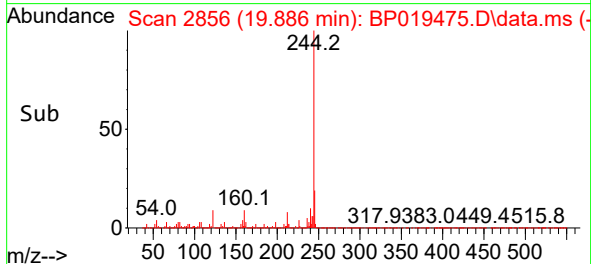
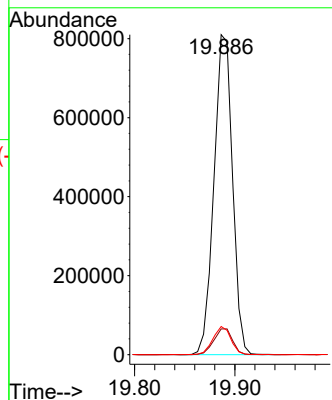
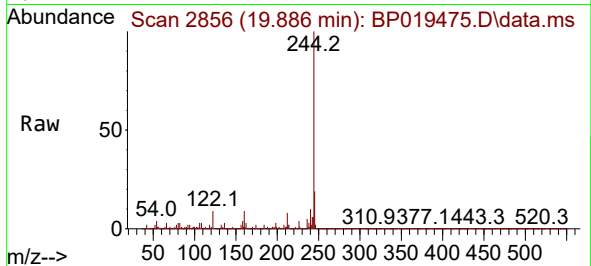




#79
 Terphenyl-d14
 Concen: 50.496 ng
 RT: 19.886 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019475.D
 Acq: 29 Jan 2024 20:27

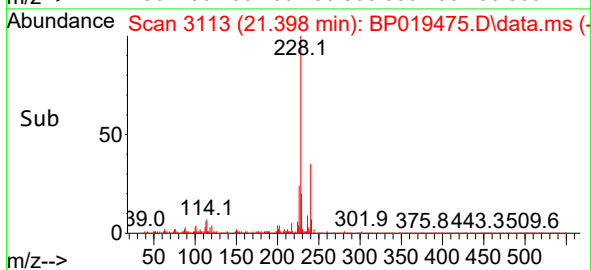
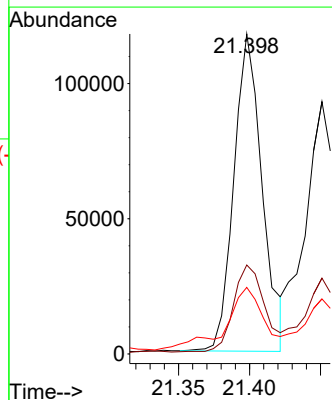
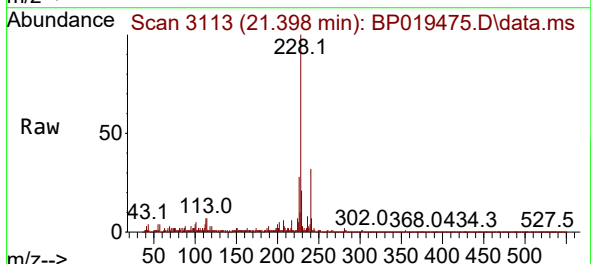
Instrument :
 BNA_P
 ClientSampleId :
 SU-03-01252024

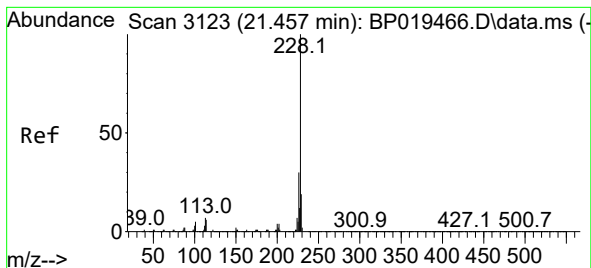
Tgt Ion:244 Resp: 1037762
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.4 9.6
 122 8.8 6.5 9.7



#81
 Benzo(a)anthracene
 Concen: 7.700 ng
 RT: 21.398 min Scan# 3113
 Delta R.T. -0.006 min
 Lab File: BP019475.D
 Acq: 29 Jan 2024 20:27

Tgt Ion:228 Resp: 162497
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.5 32.3
 229 20.8 15.7 23.5





#83

Chrysene

Concen: 7.080 ng

RT: 21.451 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

Instrument :

BNA_P

ClientSampleId :

SU-03-01252024

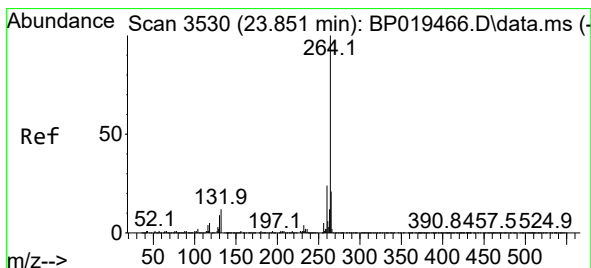
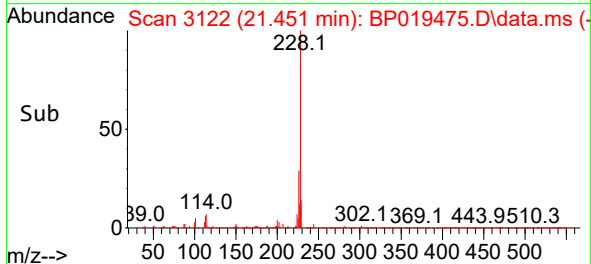
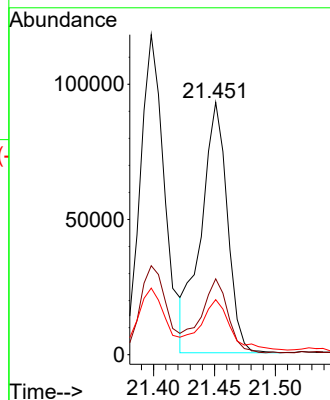
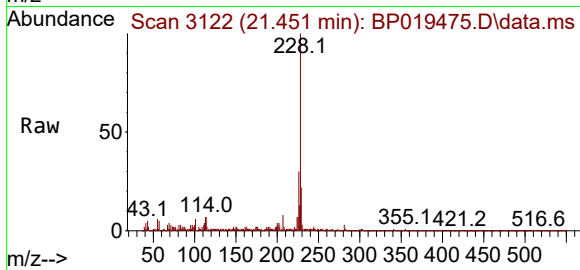
Tgt Ion:228 Resp: 139368

Ion Ratio Lower Upper

228 100

226 30.1 23.9 35.9

229 21.8 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.851 min Scan# 3530

Delta R.T. -0.000 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

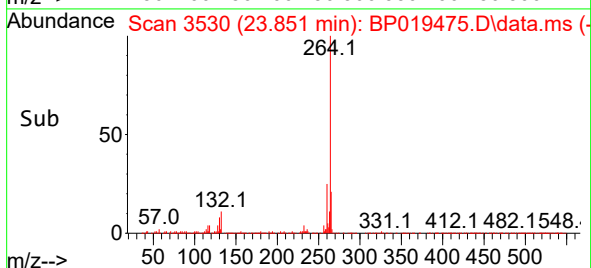
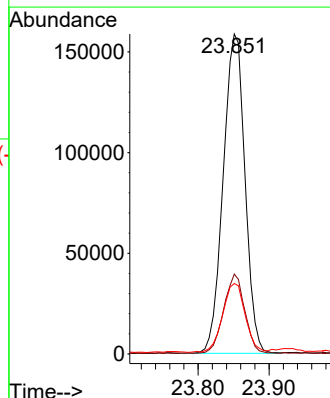
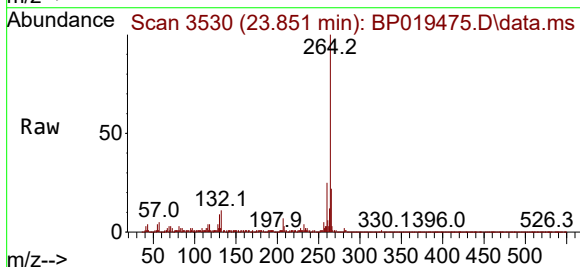
Tgt Ion:264 Resp: 337461

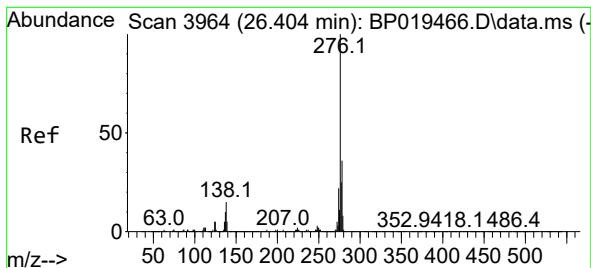
Ion Ratio Lower Upper

264 100

260 25.0 18.9 28.3

265 22.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.030 ng

RT: 26.392 min Scan# 3962

Delta R.T. -0.012 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

Instrument :

BNA_P

ClientSampleId :

SU-03-01252024

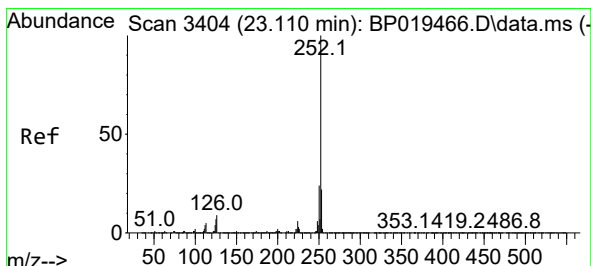
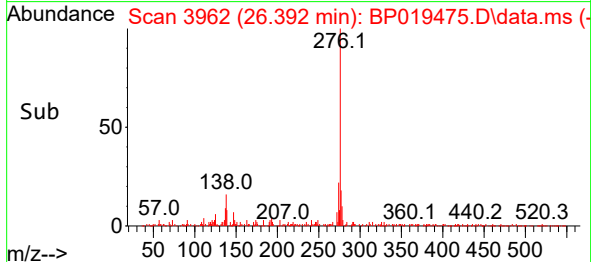
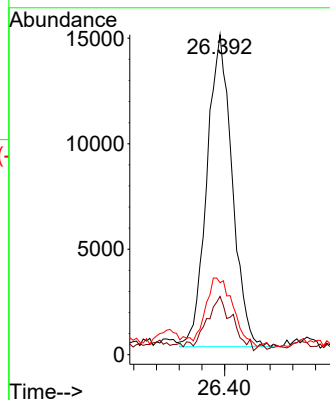
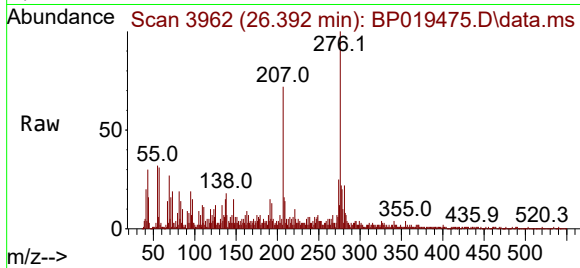
Tgt Ion:276 Resp: 45660

Ion Ratio Lower Upper

276 100

138 16.3 14.2 21.4

277 23.5 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 5.397 ng

RT: 23.110 min Scan# 3404

Delta R.T. -0.000 min

Lab File: BP019475.D

Acq: 29 Jan 2024 20:27

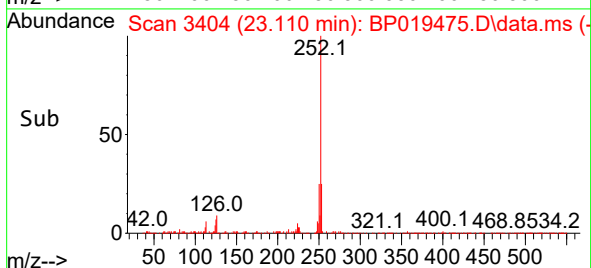
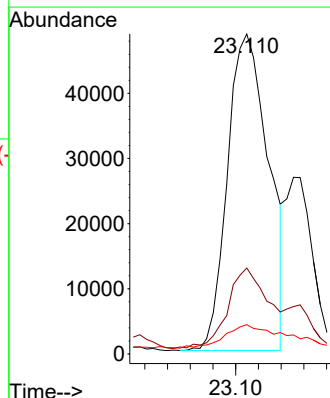
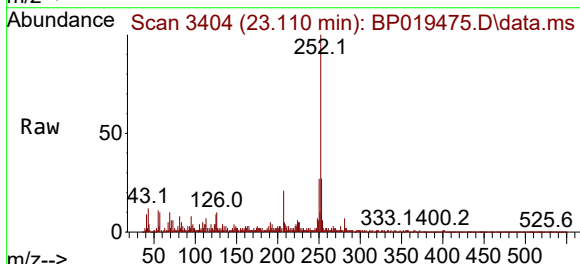
Tgt Ion:252 Resp: 121784

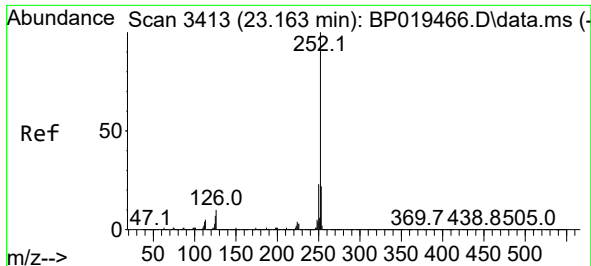
Ion Ratio Lower Upper

252 100

253 26.8 18.0 27.0

125 9.2 5.3 7.9#

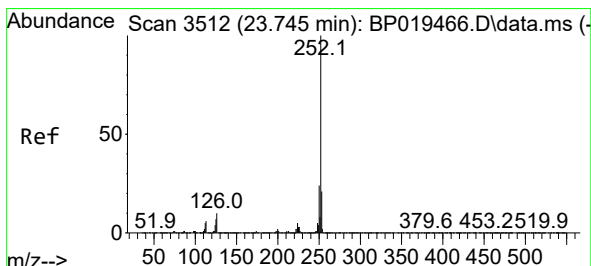
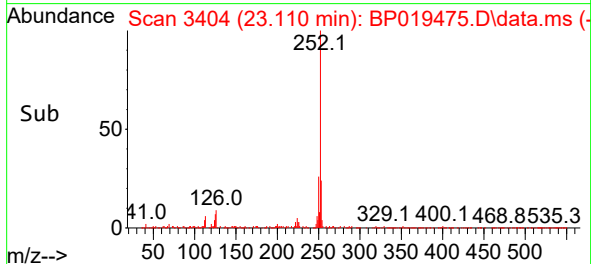
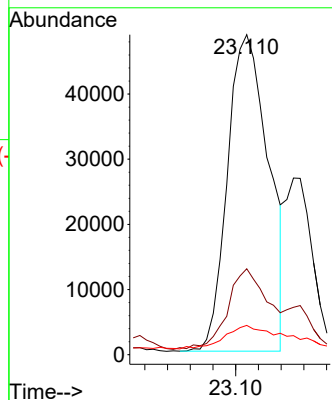
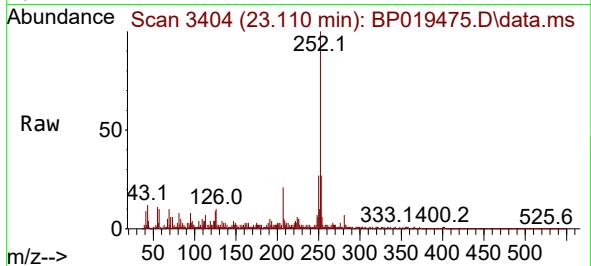




#89
Benzo(k)fluoranthene
Concen: 5.661 ng
RT: 23.110 min Scan# 3413
Delta R.T. -0.053 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

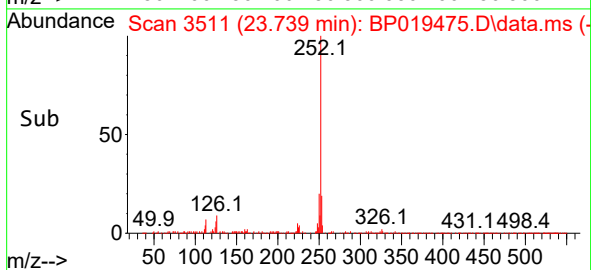
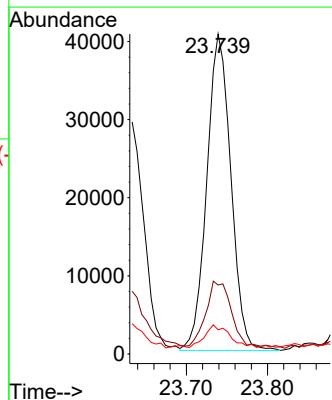
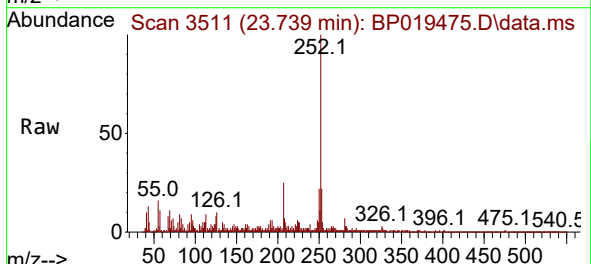
Instrument :
BNA_P
ClientSampleId :
SU-03-01252024

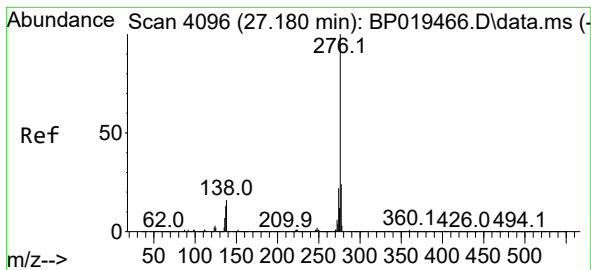
Tgt Ion:252 Resp: 121784
Ion Ratio Lower Upper
252 100
253 26.8 17.5 26.3#
125 9.2 5.4 8.2#



#90
Benzo(a)pyrene
Concen: 4.333 ng
RT: 23.739 min Scan# 3511
Delta R.T. -0.006 min
Lab File: BP019475.D
Acq: 29 Jan 2024 20:27

Tgt Ion:252 Resp: 83484
Ion Ratio Lower Upper
252 100
253 21.5 16.9 25.3
125 7.6 6.0 9.0





#92

Benzo(g,h,i)perylene

Concen: 2.314 ng

RT: 27.168 min Scan# 4094

Delta R.T. -0.012 min

Lab File: BP019475.D

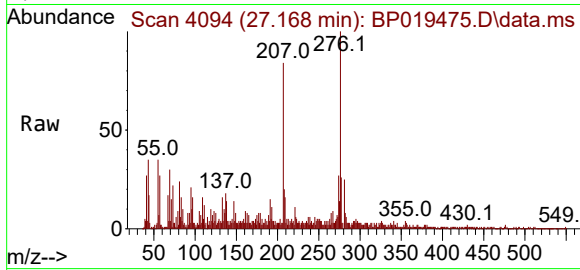
Acq: 29 Jan 2024 20:27

Instrument :

BNA_P

ClientSampleId :

SU-03-01252024



Tgt Ion:276 Resp: 42898

Ion Ratio Lower Upper

276 100

277 26.0 19.0 28.6

138 14.5 13.1 19.7

