

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061124\
 Data File : BP020592.D
 Acq On : 11 Jun 2024 17:53
 Operator : MA/JU
 Sample : P2794-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-060724

Quant Time: Jun 11 18:34:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 03:41:03 2024
 Response via : Initial Calibration

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

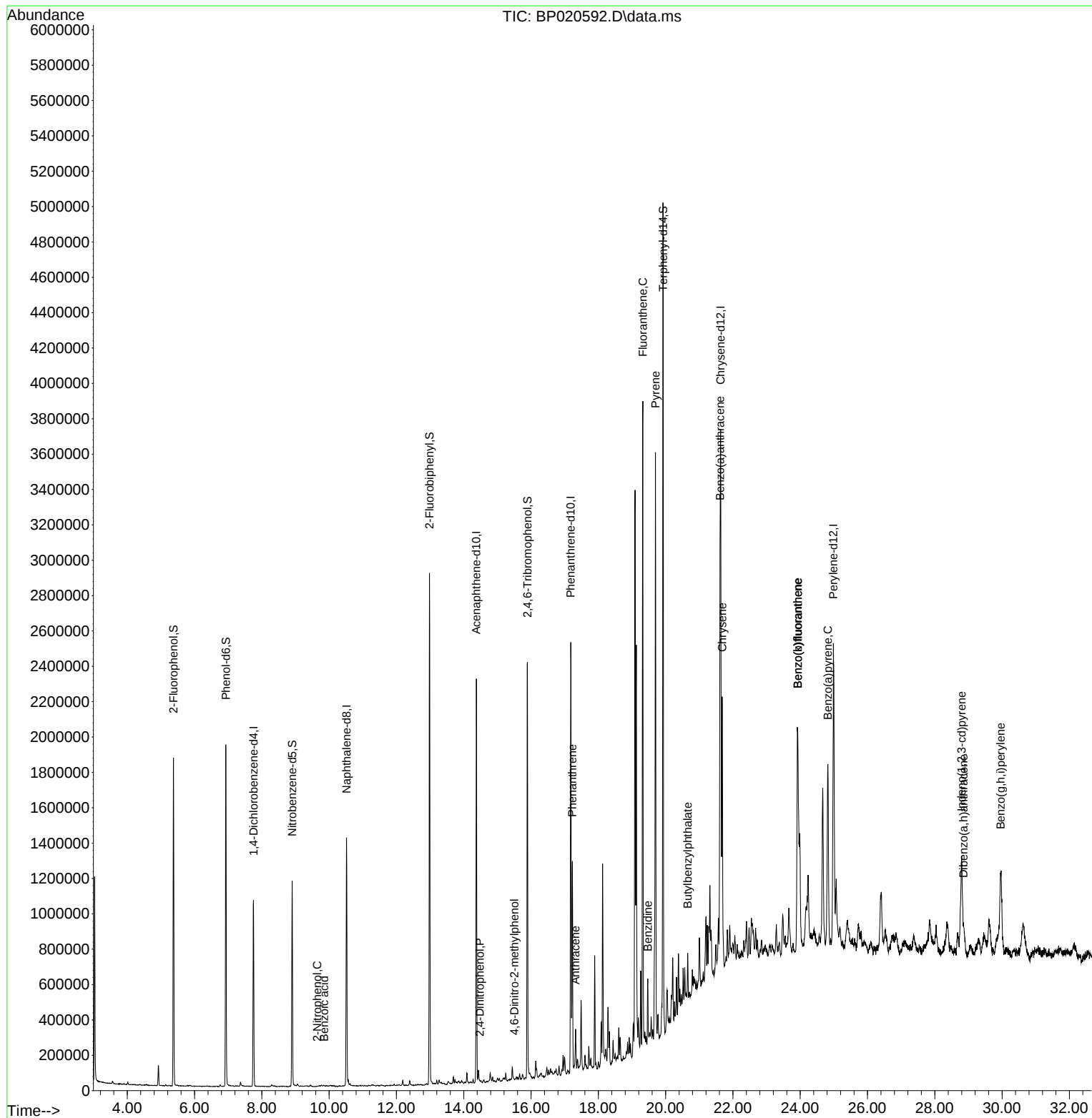
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	299652	20.000	ng	-0.02
21) Naphthalene-d8	10.516	136	1170146	20.000	ng	-0.02
39) Acenaphthene-d10	14.375	164	751604	20.000	ng	-0.02
64) Phenanthrene-d10	17.181	188	1575928	20.000	ng	-0.02
76) Chrysene-d12	21.633	240	1440458	20.000	ng	-0.04
86) Perylene-d12	24.986	264	1722058	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	839469	50.159	ng	0.00
7) Phenol-d6	6.928	99	1065521	45.145	ng	0.00
23) Nitrobenzene-d5	8.899	82	662357	30.985	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	473791	60.741	ng	-0.02
45) 2-Fluorobiphenyl	12.981	172	1574499	31.229	ng	-0.02
79) Terphenyl-d14	19.922	244	2543550	29.396	ng	-0.02
Target Compounds						Qvalue
26) 2-Nitrophenol	9.646	139	82	3.800	ng	# 1
32) Benzoic acid	9.852	122	251	6.866	ng	# 76
54) 2,4-Dinitrophenol	14.481	184	11	4.977	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.504	198	70	7.662	ng	# 1
71) Phenanthrene	17.228	178	789701	10.194	ng	100
72) Anthracene	17.322	178	168159	2.212	ng	99
75) Fluoranthene	19.322	202	2166624	23.641	ng	99
77) Benzidine	19.475	184	1166	5.991	ng	# 1
78) Pyrene	19.698	202	2011950	18.569	ng	99
80) Butylbenzylphthalate	20.657	149	89621	4.381	ng	95
81) Benzo(a)anthracene	21.616	228	1177691	12.417	ng	99
83) Chrysene	21.680	228	1148171	12.847	ng	98
87) Indeno(1,2,3-cd)pyrene	28.798	276	851206	8.129	ng	# 90
88) Benzo(b)fluoranthene	23.927	252	1538372	14.340	ng	99
89) Benzo(k)fluoranthene	23.927	252	1538372	14.702	ng	99
90) Benzo(a)pyrene	24.821	252	1136395	12.790	ng	99
91) Dibenzo(a,h)anthracene	28.851	278	210317	2.408	ng	# 90
92) Benzo(g,h,i)perylene	29.956	276	829326	9.499	ng	98

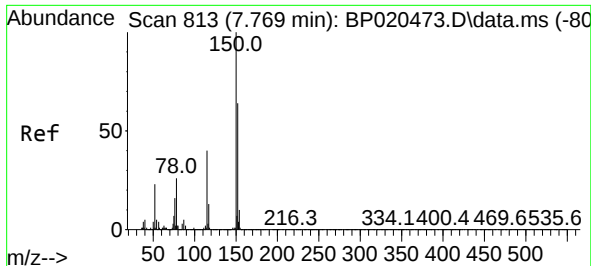
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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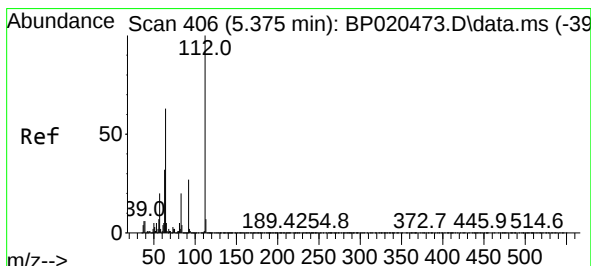
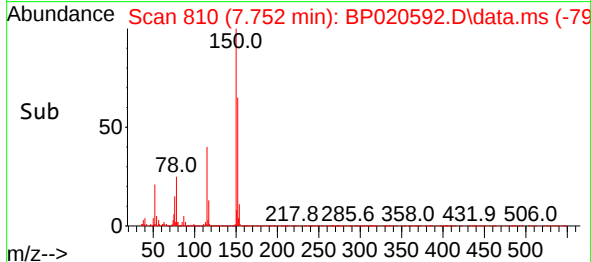
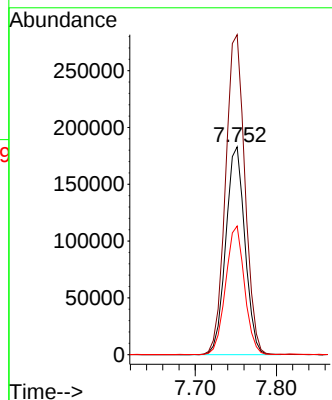
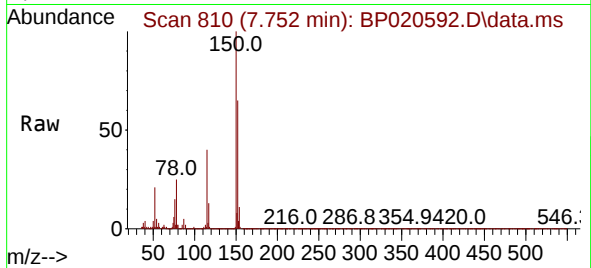




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 813
Delta R.T. -0.017 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

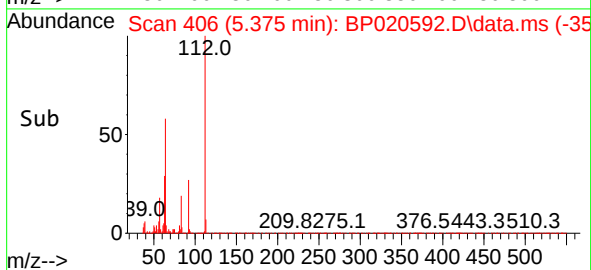
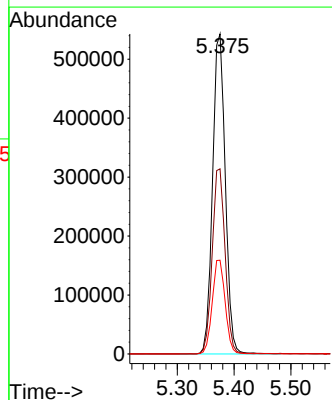
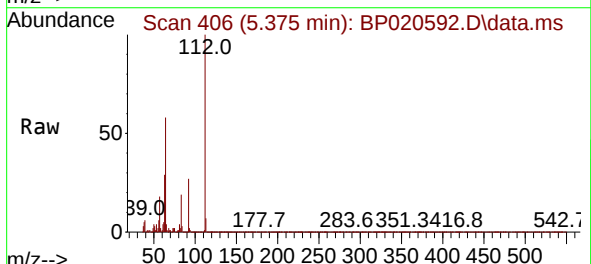
Instrument :
BNA_P
ClientSampleId :
TR-04-060724

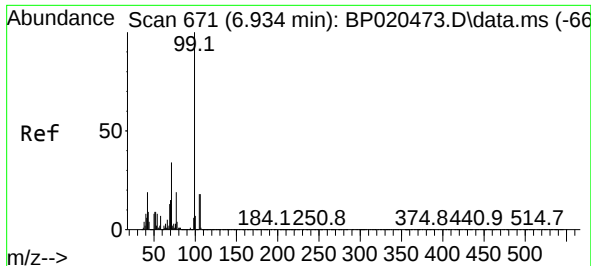
Tgt Ion:152 Resp: 299652
Ion Ratio Lower Upper
152 100
150 154.0 124.2 186.2
115 61.9 49.5 74.3



#5
2-Fluorophenol
Concen: 50.159 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

Tgt Ion:112 Resp: 839469
Ion Ratio Lower Upper
112 100
64 57.8 50.1 75.1
63 29.3 25.7 38.5



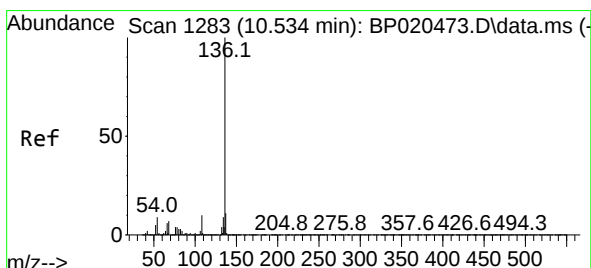
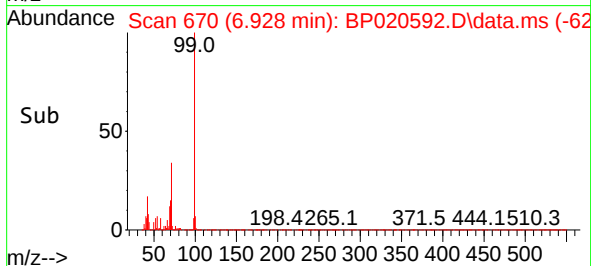
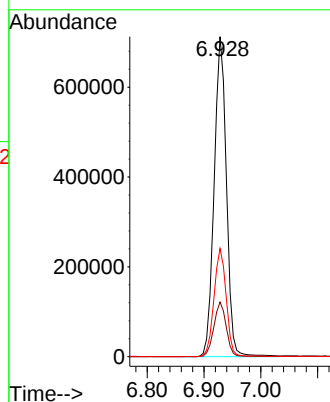
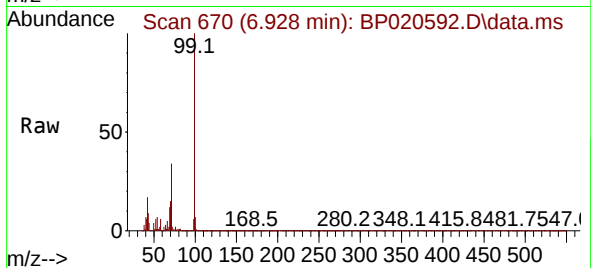


#7
Phenol-d6
Concen: 45.145 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

Instrument :
BNA_P
ClientSampleId :
TR-04-060724

Tgt Ion: 99 Resp: 1065521

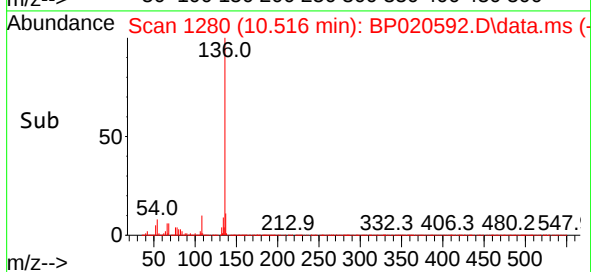
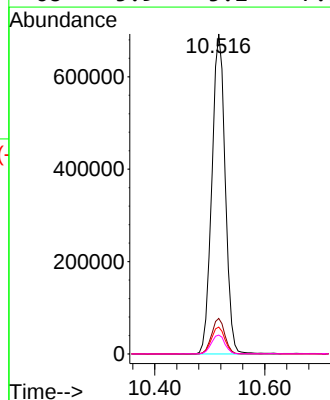
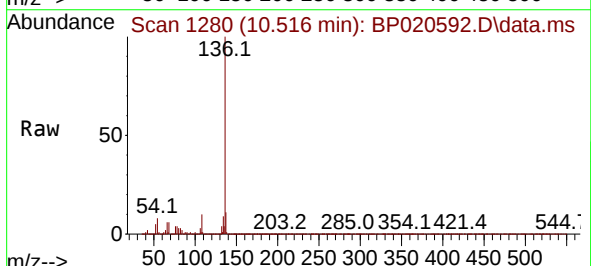
Ion	Ratio	Lower	Upper
99	100		
42	17.1	15.0	22.4
71	33.8	27.3	40.9

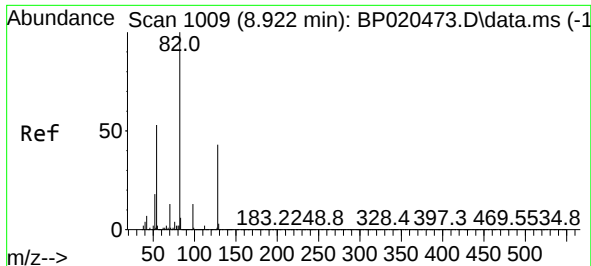


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1280
Delta R.T. -0.018 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

Tgt Ion: 136 Resp: 1170146

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.4	7.4	11.0
68	5.9	5.2	7.8





#23

Nitrobenzene-d5

Concen: 30.985 ng

RT: 8.899 min Scan# 1005

Delta R.T. -0.024 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

Instrument :

BNA_P

ClientSampleId :

TR-04-060724

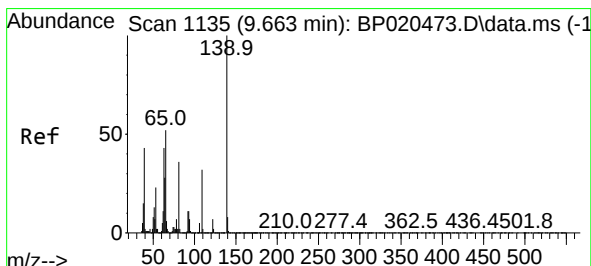
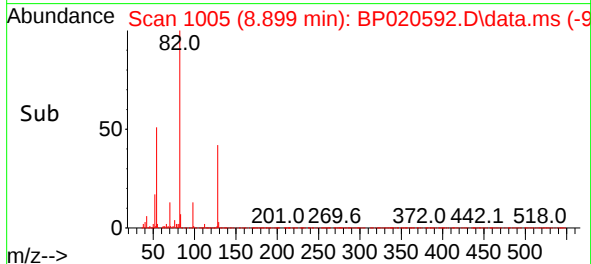
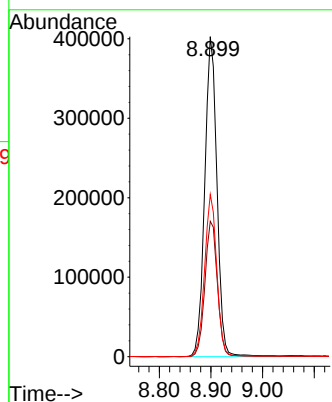
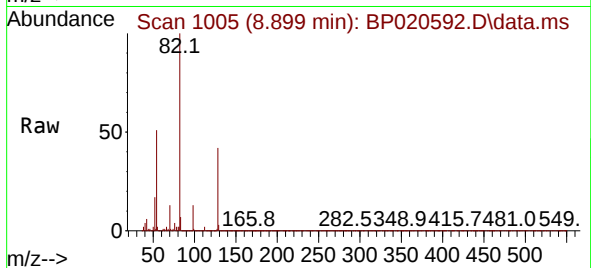
Tgt Ion: 82 Resp: 662357

Ion Ratio Lower Upper

82 100

128 42.3 34.2 51.4

54 50.7 42.7 64.1



#26

2-Nitrophenol

Concen: 3.800 ng

RT: 9.646 min Scan# 1132

Delta R.T. -0.017 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

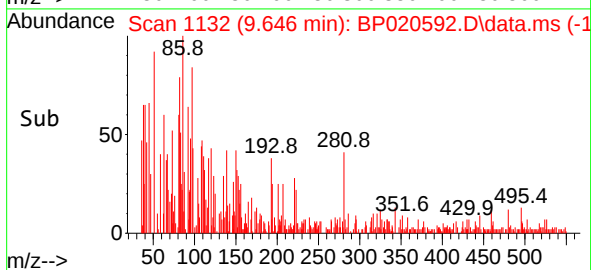
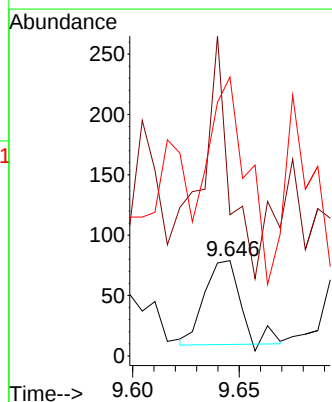
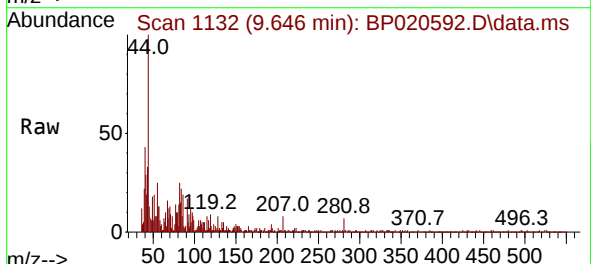
Tgt Ion:139 Resp: 82

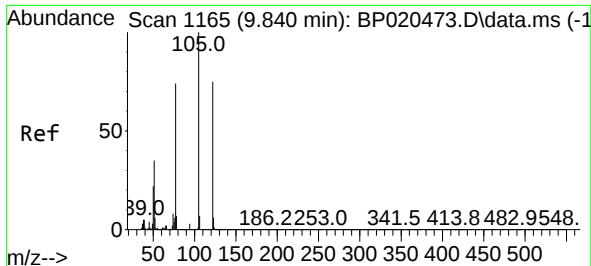
Ion Ratio Lower Upper

139 100

109 148.1 25.8 38.8#

65 292.4 41.8 62.8#

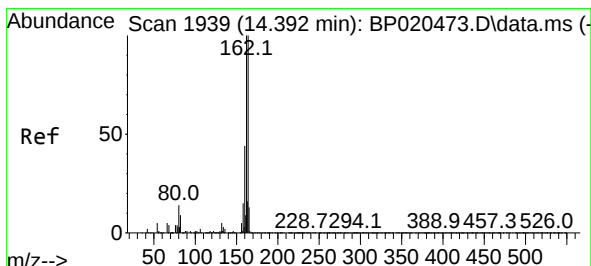
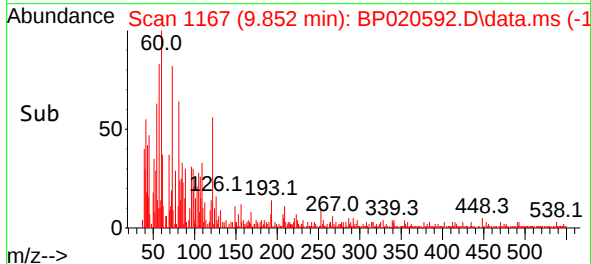
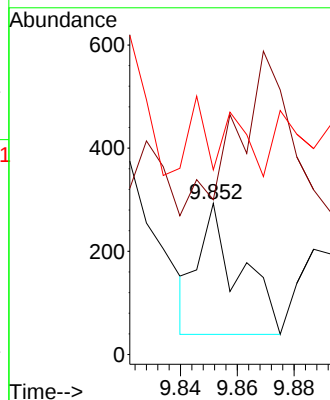
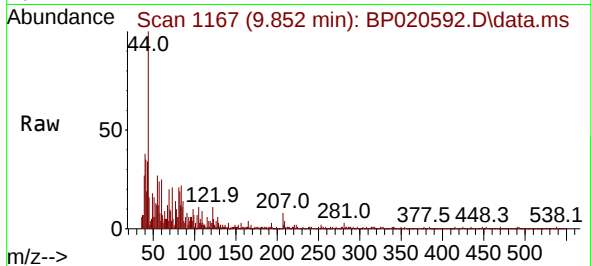




#32
Benzoic acid
Concen: 6.866 ng
RT: 9.852 min Scan# 1165
Delta R.T. 0.012 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

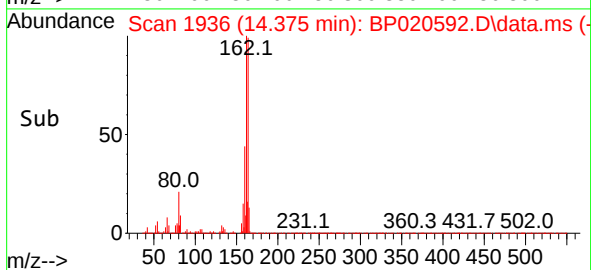
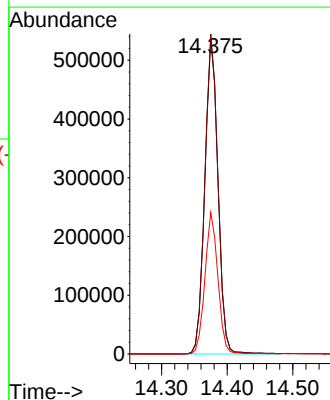
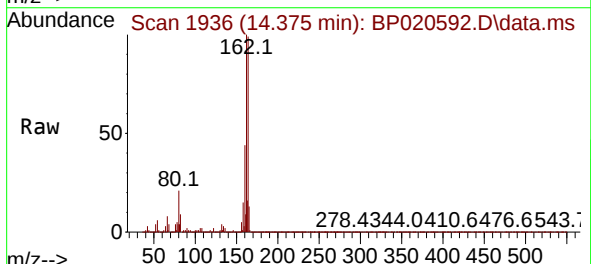
Instrument :
BNA_P
ClientSampleId :
TR-04-060724

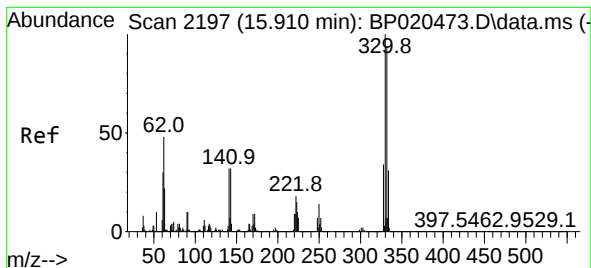
Tgt Ion:122 Resp: 251
Ion Ratio Lower Upper
122 100
105 102.4 107.5 147.5#
77 122.2 76.1 116.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1936
Delta R.T. -0.017 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

Tgt Ion:164 Resp: 751604
Ion Ratio Lower Upper
164 100
162 101.3 80.3 120.5
160 44.9 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 60.741 ng

RT: 15.892 min Scan# 2197

Delta R.T. -0.018 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

Instrument :

BNA_P

ClientSampleId :

TR-04-060724

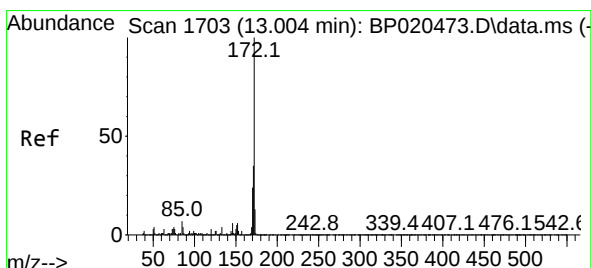
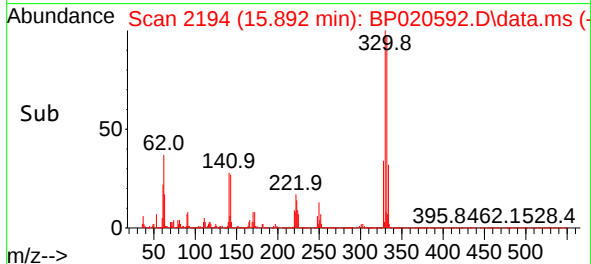
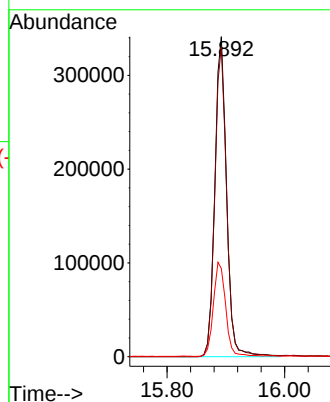
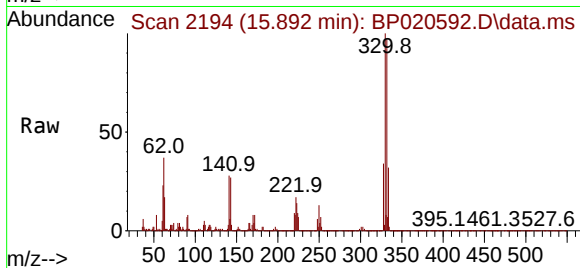
Tgt Ion:330 Resp: 473791

Ion Ratio Lower Upper

330 100

332 97.4 76.6 114.8

141 30.8 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 31.229 ng

RT: 12.981 min Scan# 1699

Delta R.T. -0.024 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

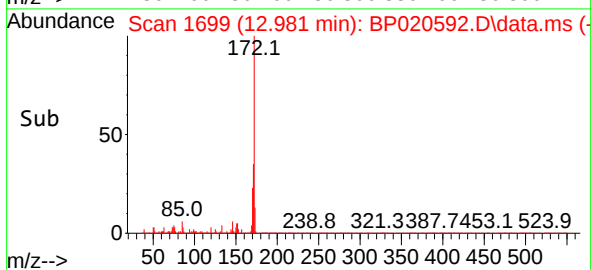
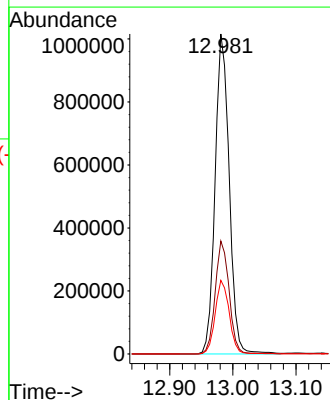
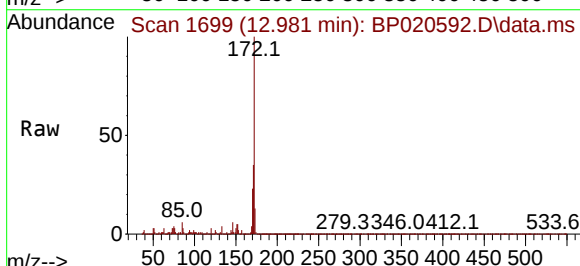
Tgt Ion:172 Resp: 1574499

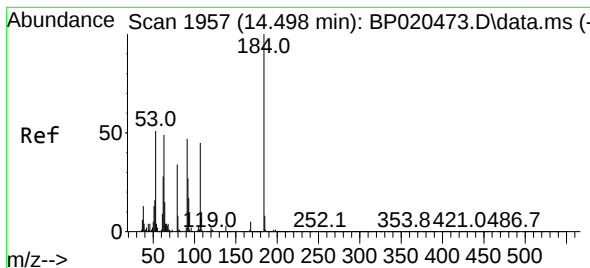
Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.0 18.9 28.3

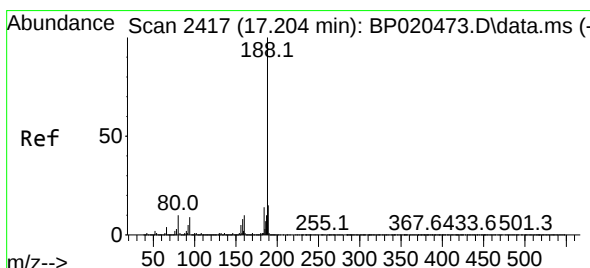
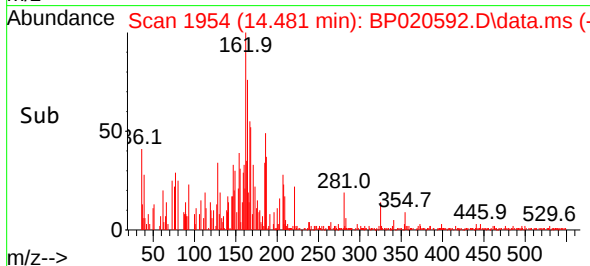
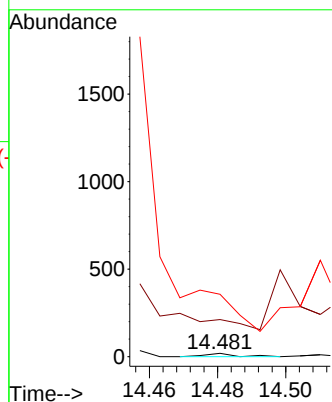
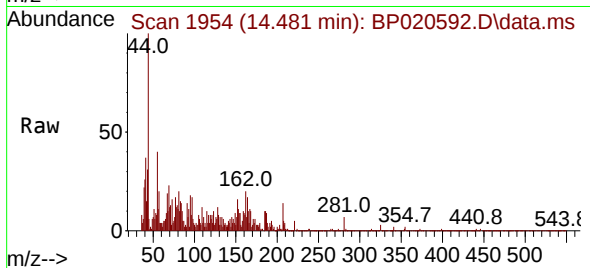




#54
2,4-Dinitrophenol
Concen: 4.977 ng
RT: 14.481 min Scan# 1954
Delta R.T. -0.017 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

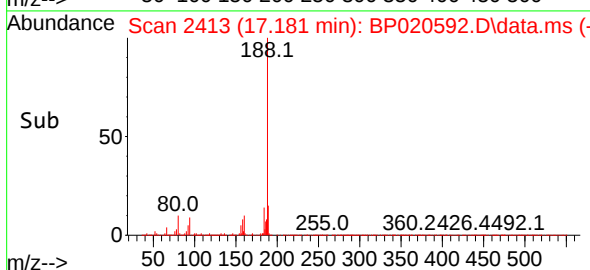
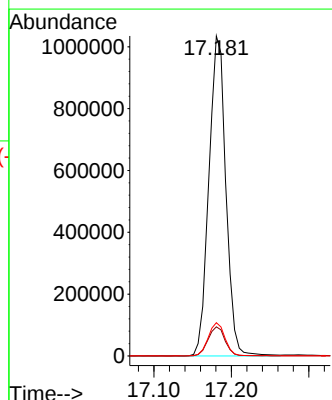
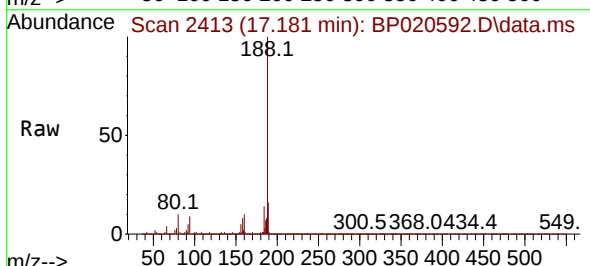
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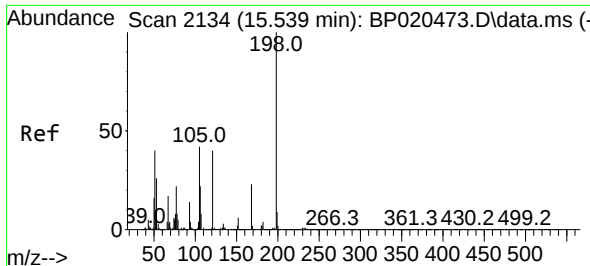
Tgt Ion:184 Resp: 11
Ion Ratio Lower Upper
184 100
63 1115.8 54.2 81.4#
154 1873.7 51.0 76.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2413
Delta R.T. -0.024 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

Tgt Ion:188 Resp: 1575928
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.4 8.1 12.1

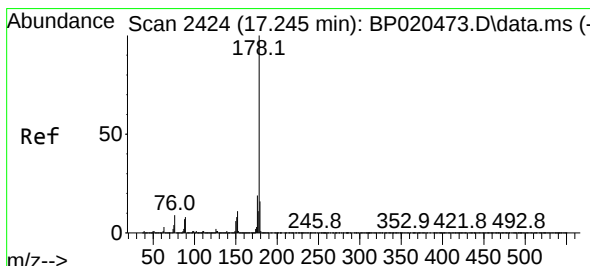
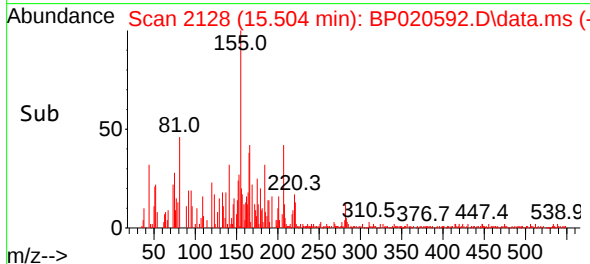
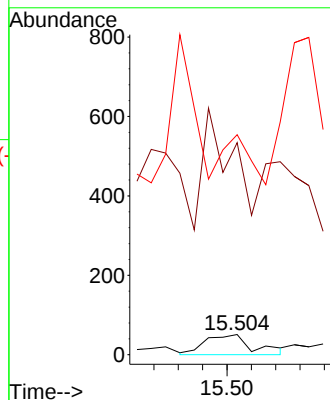
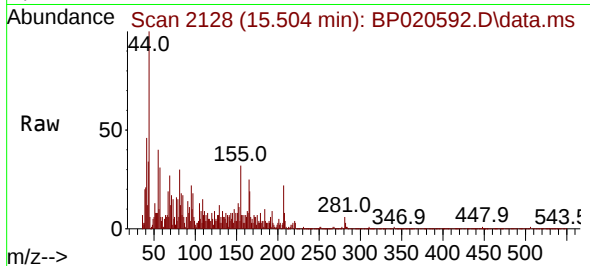




#65
4,6-Dinitro-2-methylphenol
Concen: 7.662 ng
RT: 15.504 min Scan# 2134
Delta R.T. -0.035 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

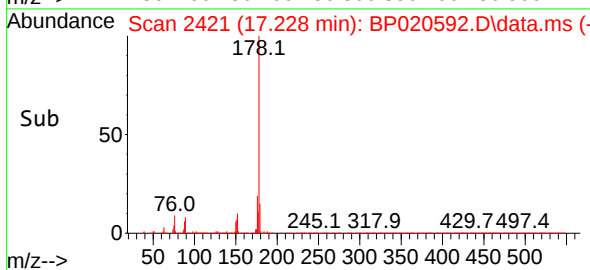
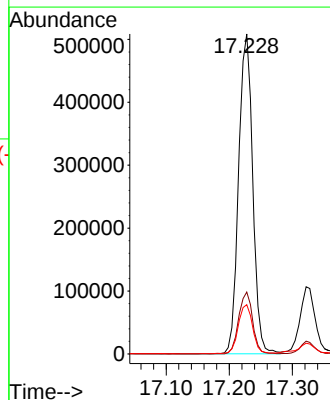
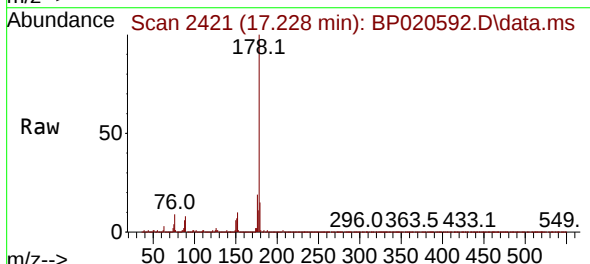
Instrument :
BNA_P
ClientSampleId :
TR-04-060724

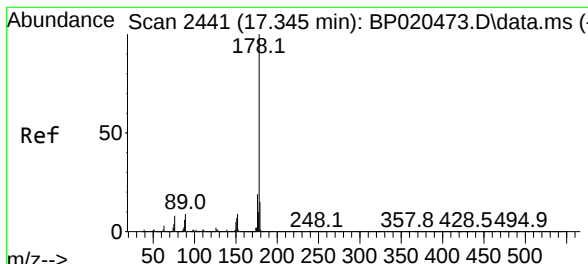
Tgt Ion:198 Resp: 70
Ion Ratio Lower Upper
198 100
51 1047.1 24.8 64.8#
105 1086.3 23.2 63.2#



#71
Phenanthrene
Concen: 10.194 ng
RT: 17.228 min Scan# 2421
Delta R.T. -0.018 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

Tgt Ion:178 Resp: 789701
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.4 12.5 18.7



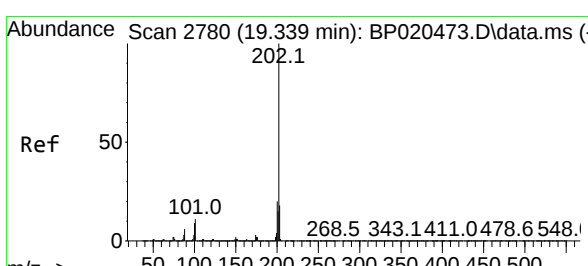
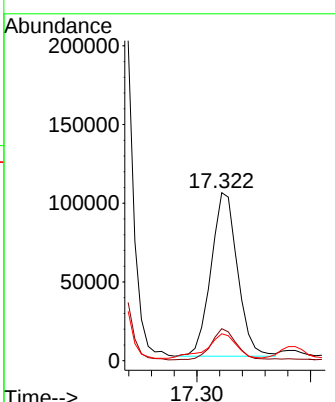
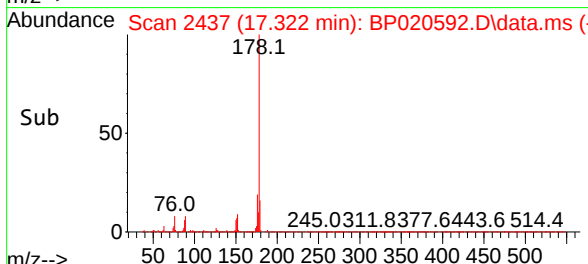
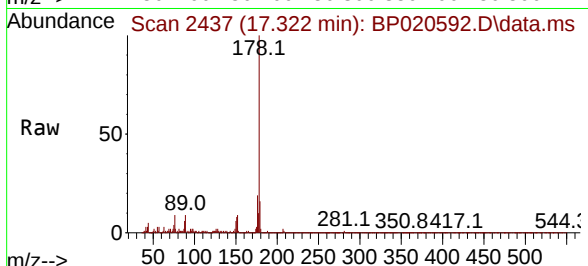


#72
 Anthracene
 Concen: 2.212 ng
 RT: 17.322 min Scan# 2441
 Delta R.T. -0.024 min
 Lab File: BP020592.D
 Acq: 11 Jun 2024 17:53

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-060724

Tgt Ion:178 Resp: 168159

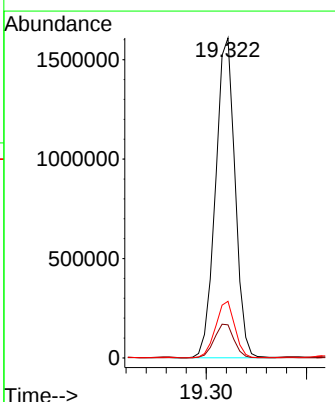
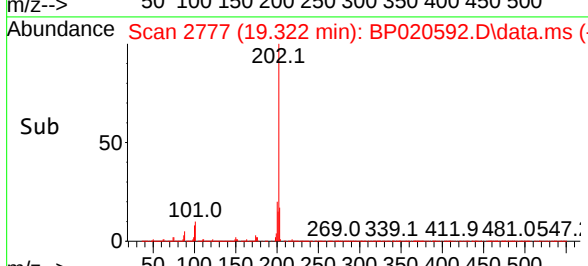
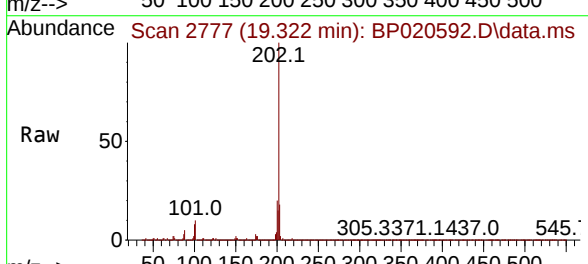
Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.8	22.2
179	16.0	12.2	18.4

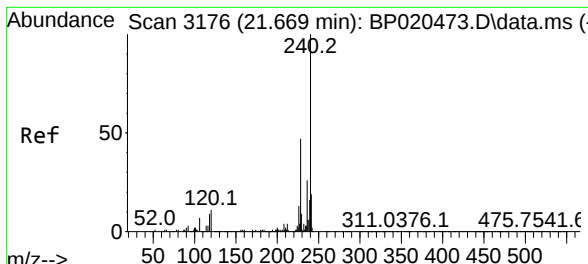


#75
 Fluoranthene
 Concen: 23.641 ng
 RT: 19.322 min Scan# 2777
 Delta R.T. -0.018 min
 Lab File: BP020592.D
 Acq: 11 Jun 2024 17:53

Tgt Ion:202 Resp: 2166624

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.4
203	17.7	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.633 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

Instrument :

BNA_P

ClientSampleId :

TR-04-060724

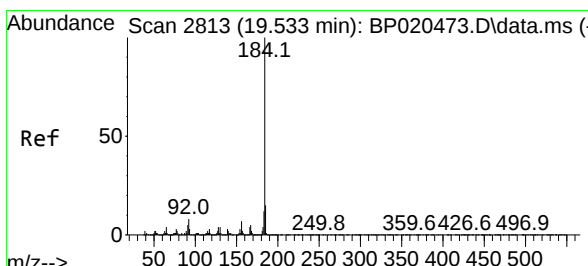
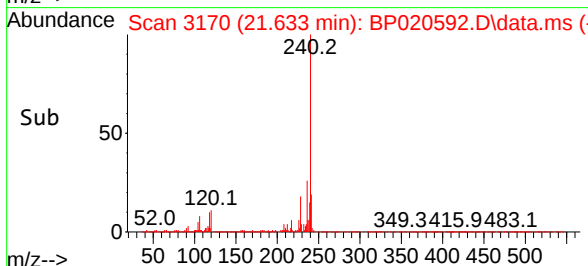
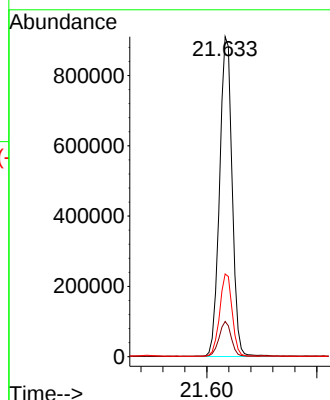
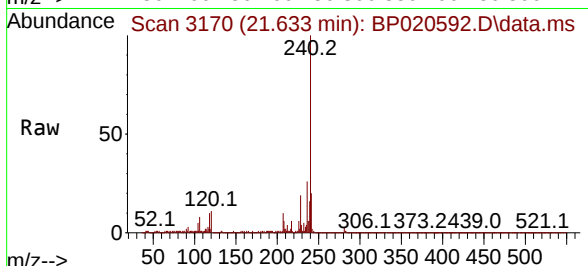
Tgt Ion:240 Resp: 1440458

Ion Ratio Lower Upper

240 100

120 11.0 8.5 12.7

236 25.8 20.5 30.7



#77

Benzidine

Concen: 5.991 ng

RT: 19.475 min Scan# 2803

Delta R.T. -0.058 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

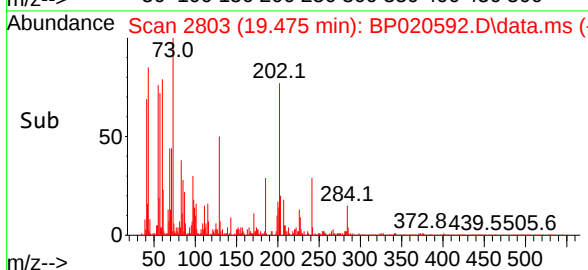
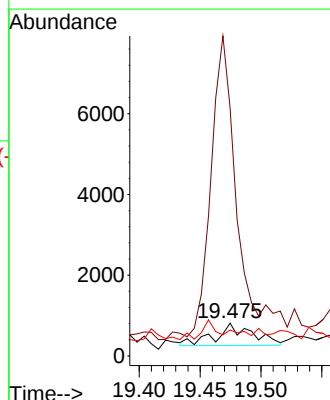
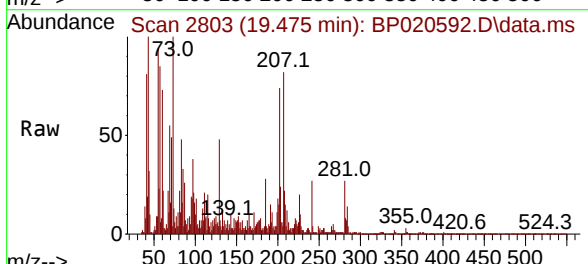
Tgt Ion:184 Resp: 1166

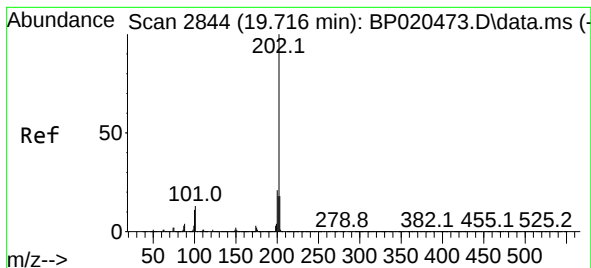
Ion Ratio Lower Upper

184 100

185 755.5 12.0 18.0#

183 79.1 9.4 14.0#





#78

Pyrene

Concen: 18.569 ng

RT: 19.698 min Scan# 2841

Delta R.T. -0.018 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

Instrument :

BNA_P

ClientSampleId :

TR-04-060724

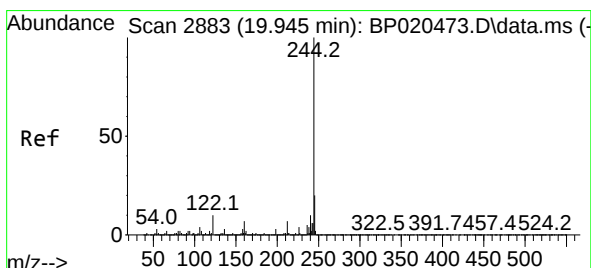
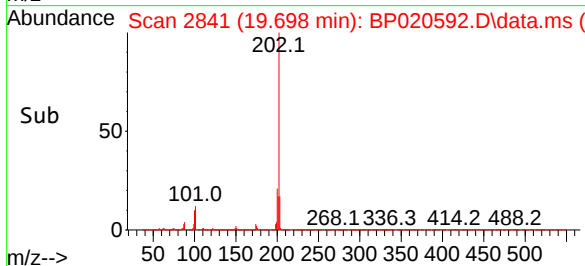
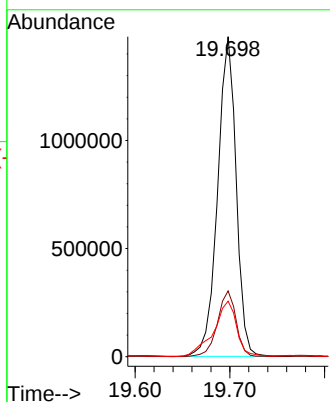
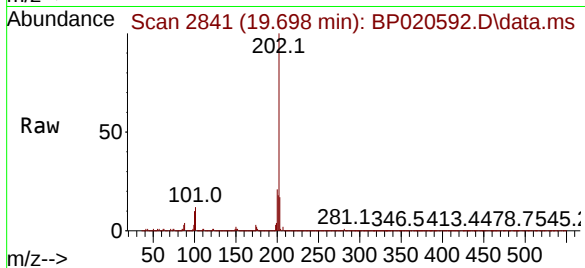
Tgt Ion:202 Resp: 2011950

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.3 14.1 21.1



#79

Terphenyl-d14

Concen: 29.396 ng

RT: 19.922 min Scan# 2879

Delta R.T. -0.023 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

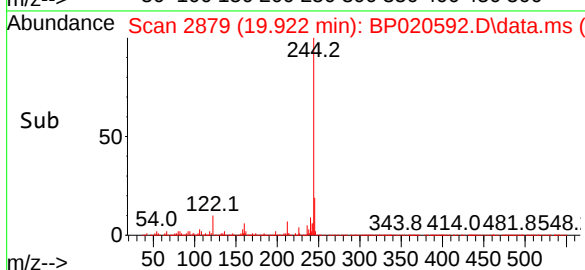
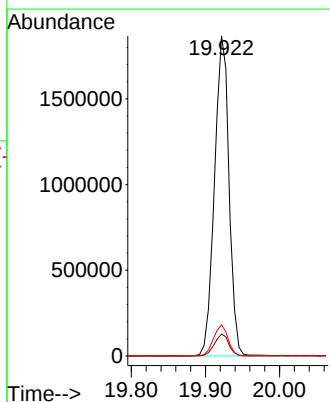
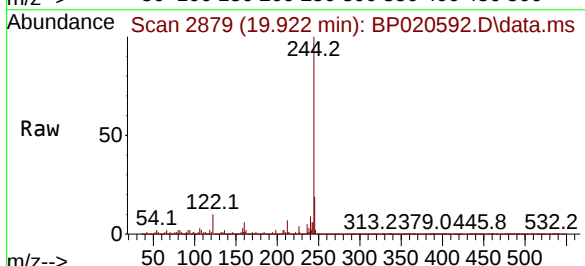
Tgt Ion:244 Resp: 2543550

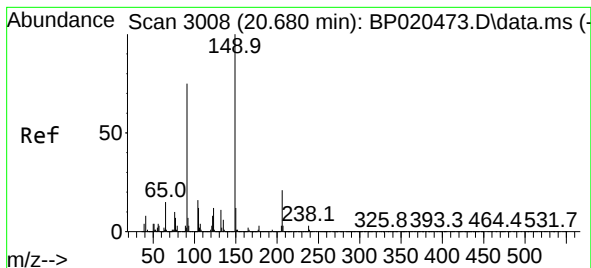
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 9.7 8.2 12.2





#80

Butylbenzylphthalate

Concen: 4.381 ng

RT: 20.657 min Scan# 3008

Delta R.T. -0.023 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

Instrument :

BNA_P

ClientSampleId :

TR-04-060724

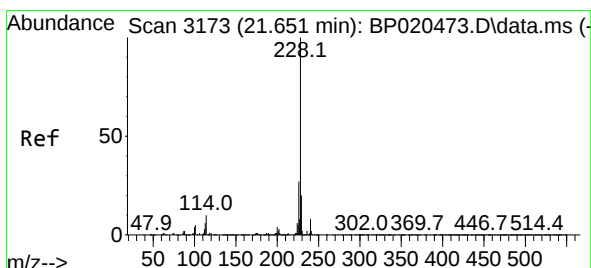
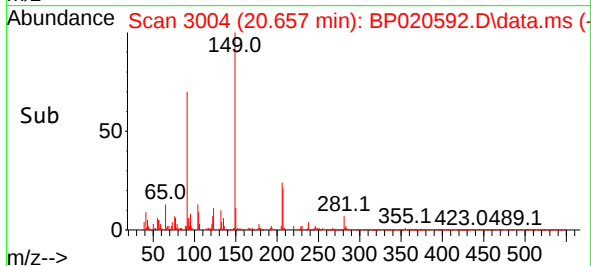
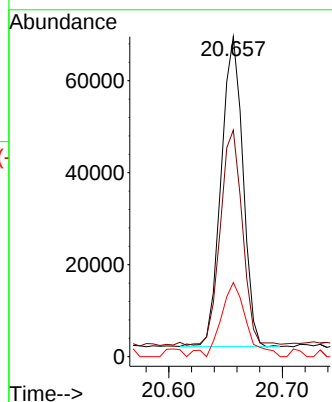
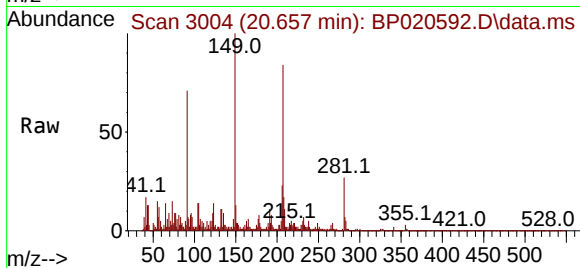
Tgt Ion:149 Resp: 89621

Ion Ratio Lower Upper

149 100

91 70.8 60.0 90.0

206 23.2 16.6 25.0



#81

Benzo(a)anthracene

Concen: 12.417 ng

RT: 21.616 min Scan# 3167

Delta R.T. -0.035 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

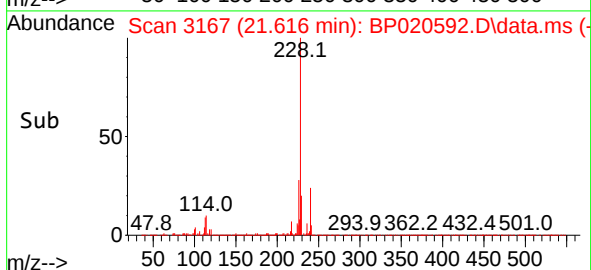
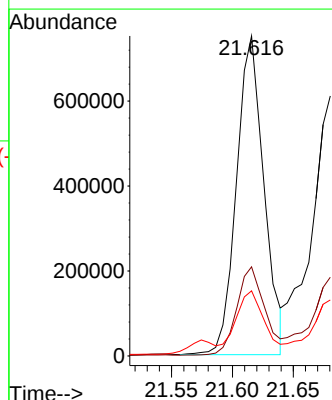
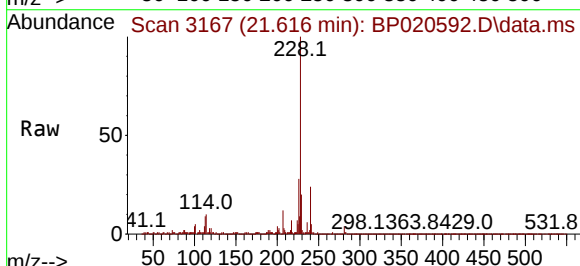
Tgt Ion:228 Resp: 1177691

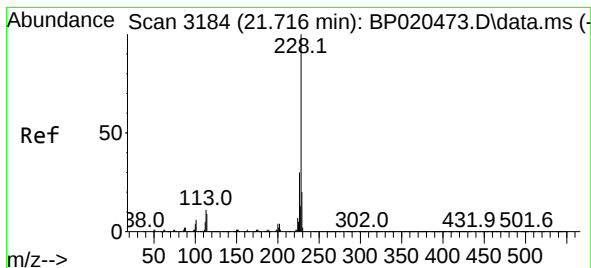
Ion Ratio Lower Upper

228 100

226 27.8 21.7 32.5

229 20.4 15.8 23.6





#83

Chrysene

Concen: 12.847 ng

RT: 21.680 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

Instrument :

BNA_P

ClientSampleId :

TR-04-060724

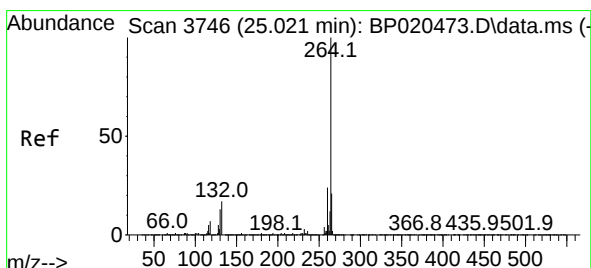
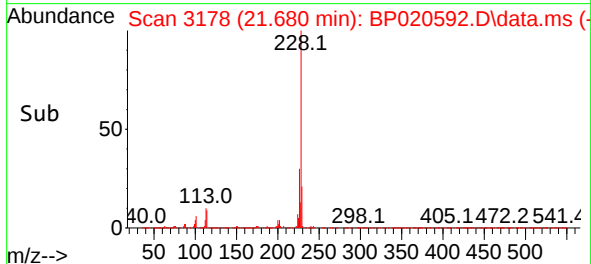
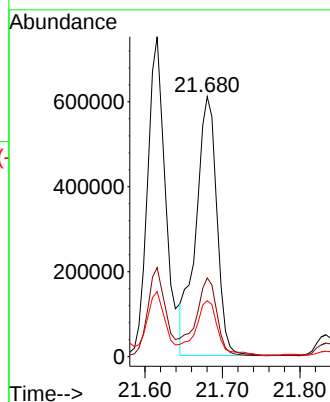
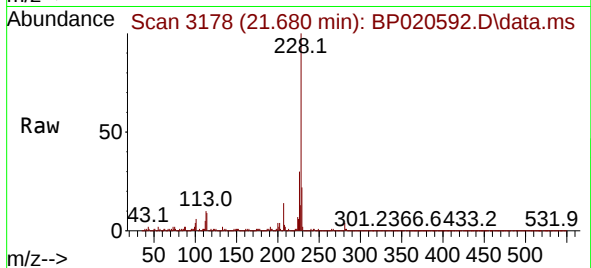
Tgt Ion:228 Resp: 1148171

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

229 21.5 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.986 min Scan# 3740

Delta R.T. -0.035 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

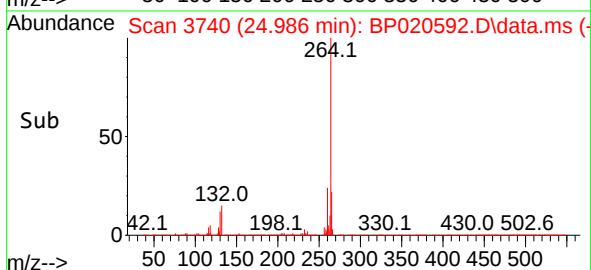
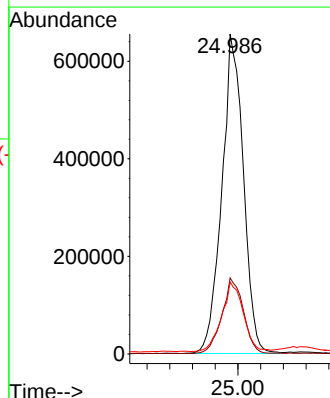
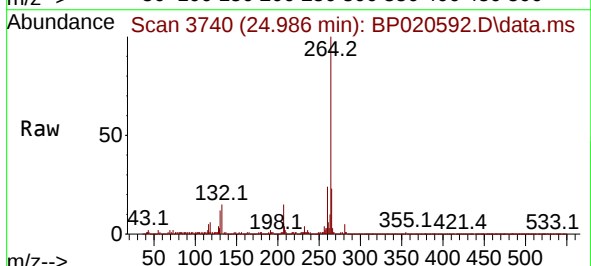
Tgt Ion:264 Resp: 1722058

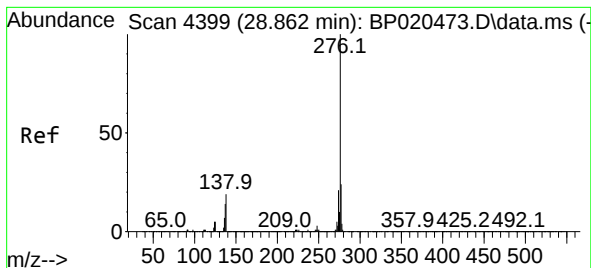
Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.129 ng

RT: 28.798 min Scan# 41

Delta R.T. -0.065 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

Instrument :

BNA_P

ClientSampleId :

TR-04-060724

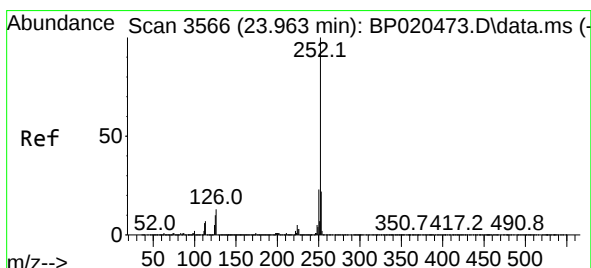
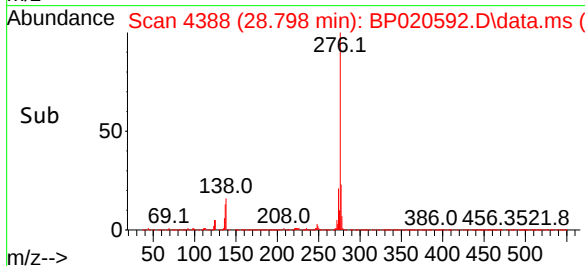
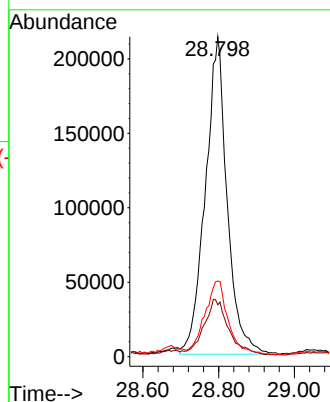
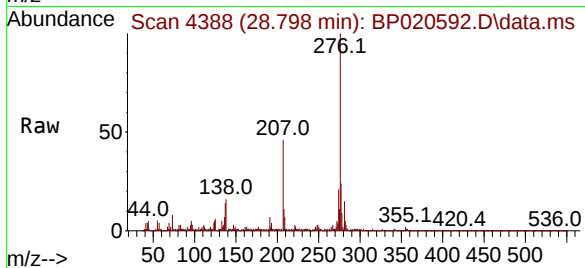
Tgt Ion:276 Resp: 851206

Ion Ratio Lower Upper

276 100

138 19.2 12.8 19.2

277 25.2 15.6 23.4#



#88

Benzo(b)fluoranthene

Concen: 14.340 ng

RT: 23.927 min Scan# 3560

Delta R.T. -0.035 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

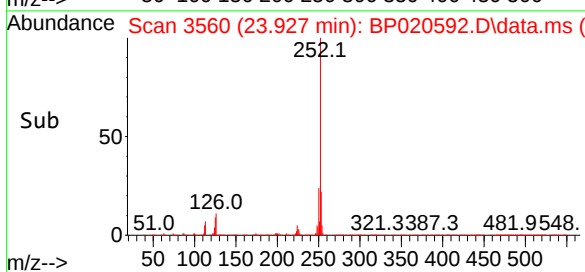
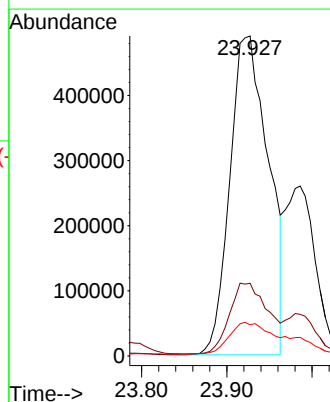
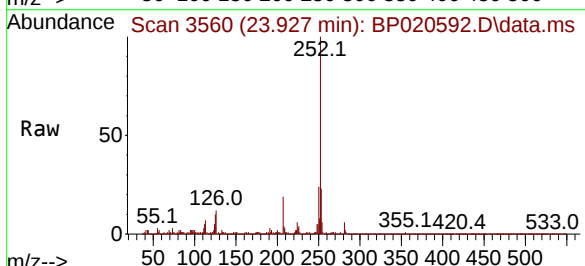
Tgt Ion:252 Resp: 1538372

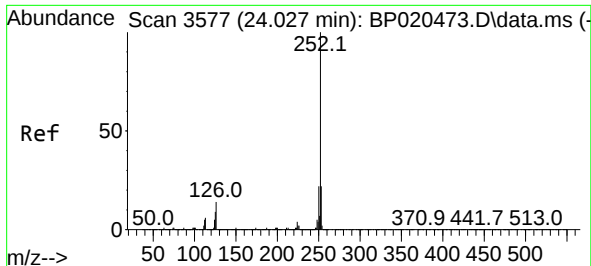
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 9.7 8.0 12.0

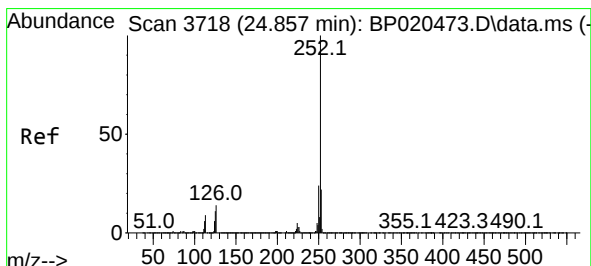
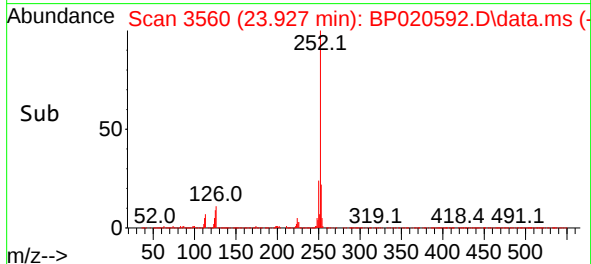
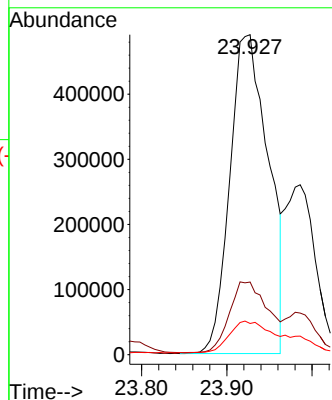
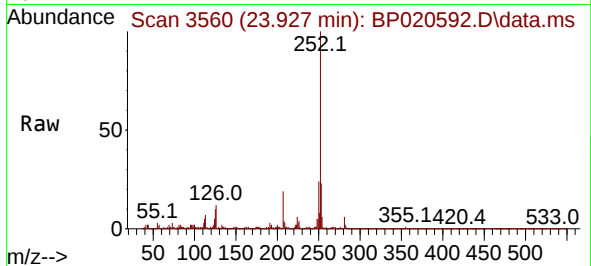




#89
Benzo(k)fluoranthene
Concen: 14.702 ng
RT: 23.927 min Scan# 31
Delta R.T. -0.100 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

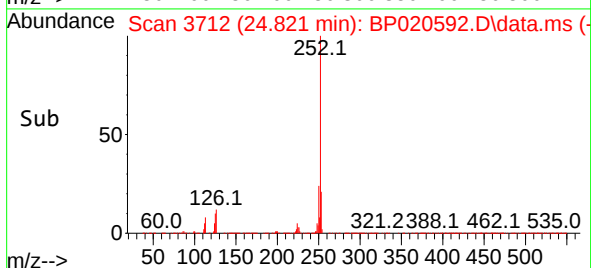
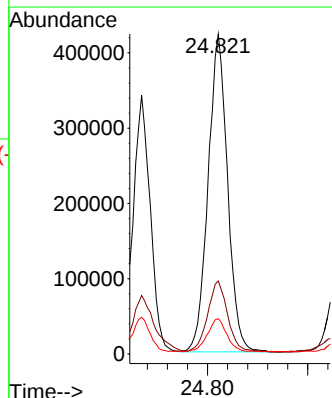
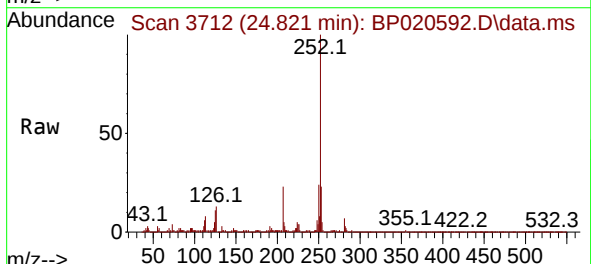
Instrument :
BNA_P
ClientSampleId :
TR-04-060724

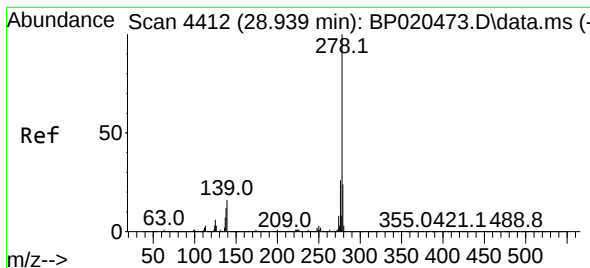
Tgt Ion:252 Resp: 1538372
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 9.7 7.8 11.6



#90
Benzo(a)pyrene
Concen: 12.790 ng
RT: 24.821 min Scan# 3712
Delta R.T. -0.035 min
Lab File: BP020592.D
Acq: 11 Jun 2024 17:53

Tgt Ion:252 Resp: 1136395
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 11.0 8.9 13.3





#91

Dibenzo(a,h)anthracene

Concen: 2.408 ng

RT: 28.851 min Scan# 41

Delta R.T. -0.088 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

Instrument :

BNA_P

ClientSampleId :

TR-04-060724

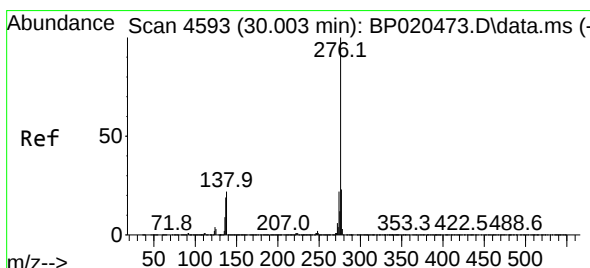
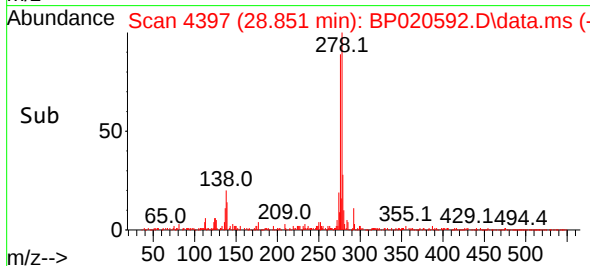
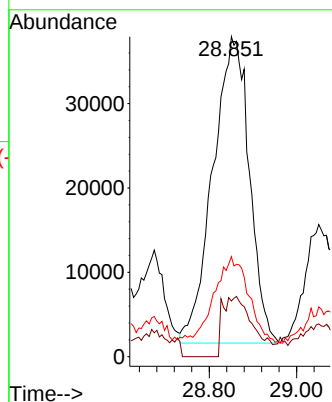
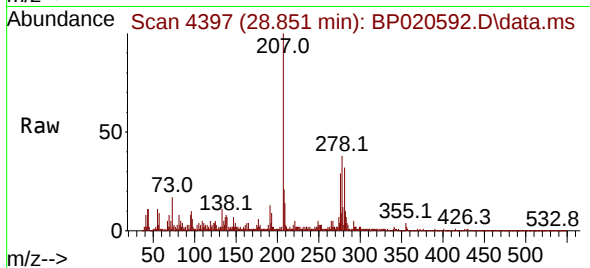
Tgt Ion:278 Resp: 210317

Ion Ratio Lower Upper

278 100

139 17.4 13.0 19.4

279 31.3 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 9.499 ng

RT: 29.956 min Scan# 4585

Delta R.T. -0.047 min

Lab File: BP020592.D

Acq: 11 Jun 2024 17:53

Tgt Ion:276 Resp: 829326

Ion Ratio Lower Upper

276 100

277 23.7 18.7 28.1

138 20.1 17.7 26.5

