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 Data File : BP020561.D
 Acq On : 07 Jun 2024 15:30
 Operator : MA/JU
 Sample : P2707-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

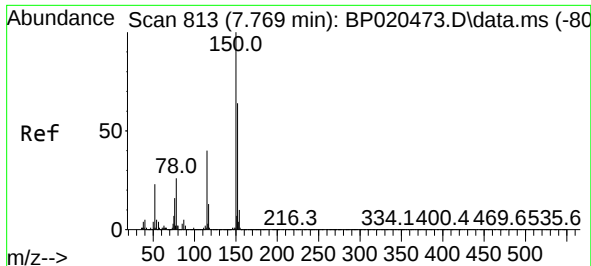
Instrument :
 BNA_P
 ClientSampleId :
 SW-01

Quant Time: Jun 07 16:15:02 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	7.758	152	418868	20.000	ng	-0.01
21) Naphthalene-d8	10.528	136	1596880	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	1001039	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	1987375	20.000	ng	0.00
76) Chrysene-d12	21.657	240	1853594	20.000	ng	-0.01
86) Perylene-d12	25.010	264	2194045	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2263404	96.749	ng	0.00
7) Phenol-d6	6.940	99	2905469	88.065	ng	0.00
23) Nitrobenzene-d5	8.911	82	1806867	61.938	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	1229325	118.331	ng	0.00
45) 2-Fluorobiphenyl	12.993	172	3785675	56.375	ng	-0.01
79) Terphenyl-d14	19.933	244	5185884	46.575	ng	-0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.669	139	68	3.797	ng	# 1
31) Naphthalene	10.575	128	200874	2.461	ng	99
32) Benzoic acid	9.869	122	192	6.858	ng	# 1
52) Acenaphthene	14.446	154	175387	3.336	ng	99
54) 2,4-Dinitrophenol	14.498	184	73	4.988	ng	# 1
55) Dibenzofuran	14.793	168	183575	2.205	ng	98
56) 4-Nitrophenol	14.793	139	67023	5.727	ng	# 6
58) Fluorene	15.451	166	247685	3.705	ng	100
65) 4,6-Dinitro-2-methylph...	15.540	198	44	7.658	ng	# 1
71) Phenanthrene	17.239	178	2678797	27.420	ng	99
72) Anthracene	17.334	178	761042	7.939	ng	98
73) Carbazole	17.622	167	311761	3.362	ng	99
75) Fluoranthene	19.334	202	3199930	27.687	ng	99
77) Benzidine	19.522	184	283	5.974	ng	# 1
78) Pyrene	19.710	202	2583499	18.530	ng	99
80) Butylbenzylphthalate	20.675	149	14015	2.668	ng	92
81) Benzo(a)anthracene	21.633	228	1421254	11.645	ng	99
83) Chrysene	21.710	228	1184762	10.302	ng	97
87) Indeno(1,2,3-cd)pyrene	28.809	276	640741	4.802	ng	# 84
88) Benzo(b)fluoranthene	23.957	252	1415480	10.356	ng	99
89) Benzo(k)fluoranthene	24.016	252	509601	3.823	ng	96
90) Benzo(a)pyrene	24.851	252	1032609	9.122	ng	97
92) Benzo(g,h,i)perylene	30.009	276	592398	5.326	ng	99

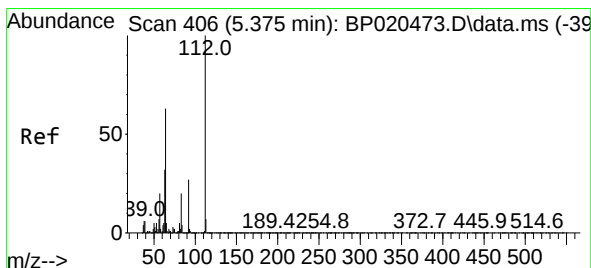
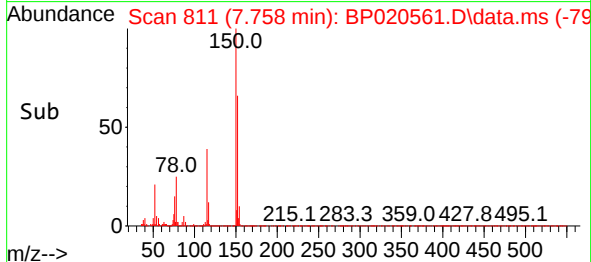
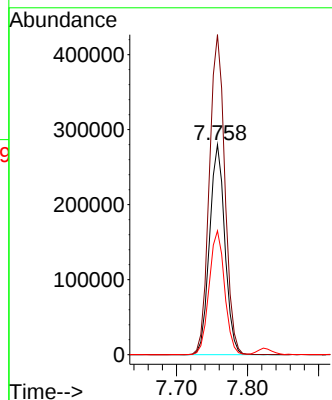
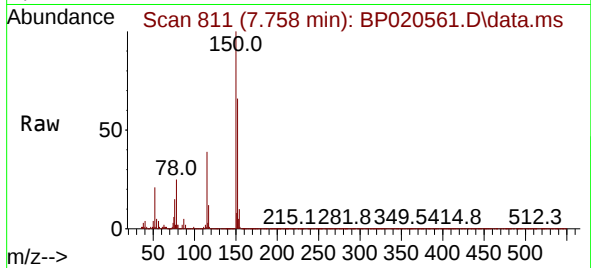
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 813
Delta R.T. -0.011 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

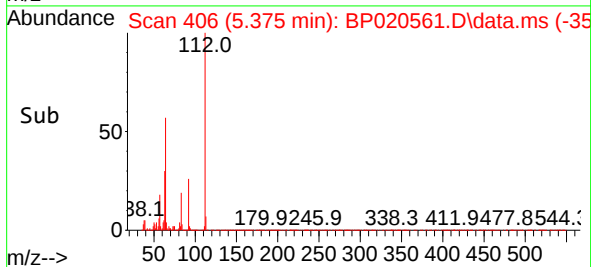
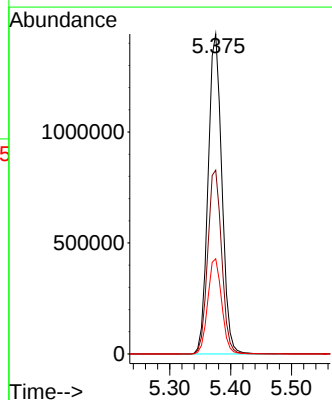
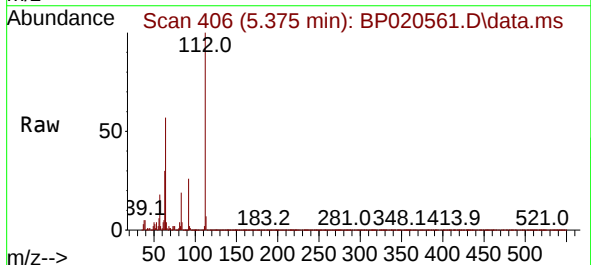
Instrument :
BNA_P
ClientSampleId :
SW-01

Tgt Ion:152 Resp: 418868
Ion Ratio Lower Upper
152 100
150 152.3 124.2 186.2
115 58.9 49.5 74.3



#5
2-Fluorophenol
Concen: 96.749 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

Tgt Ion:112 Resp: 2263404
Ion Ratio Lower Upper
112 100
64 57.4 50.1 75.1
63 29.8 25.7 38.5

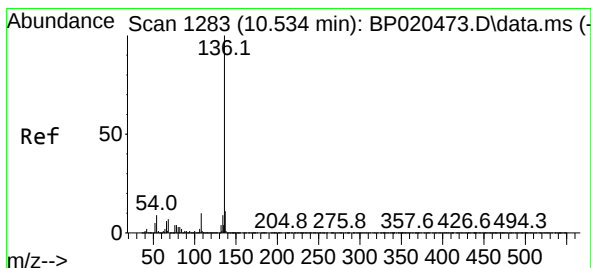
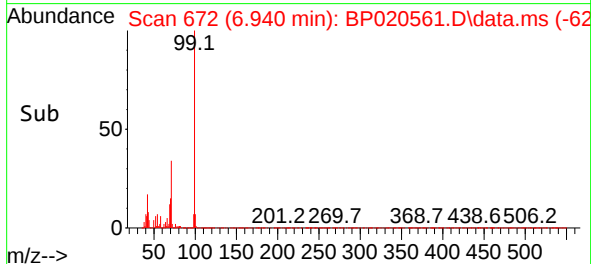
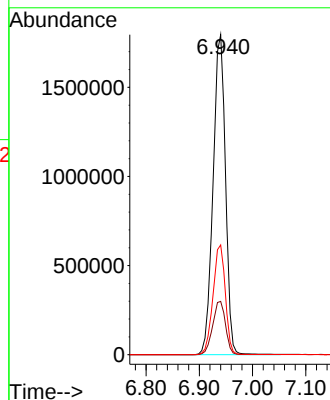
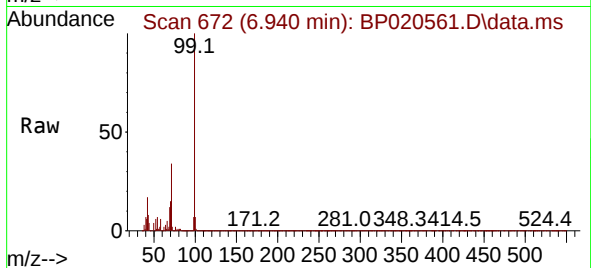




#7
Phenol-d6
Concen: 88.065 ng
RT: 6.940 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

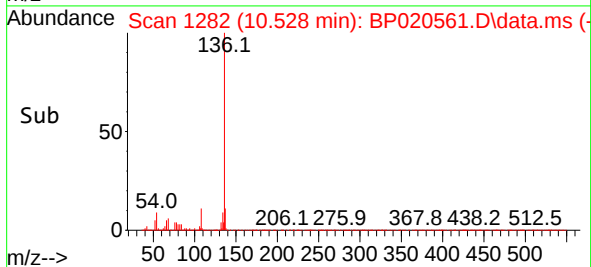
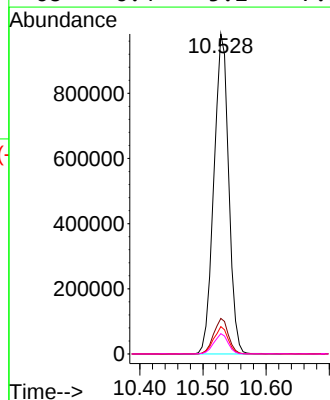
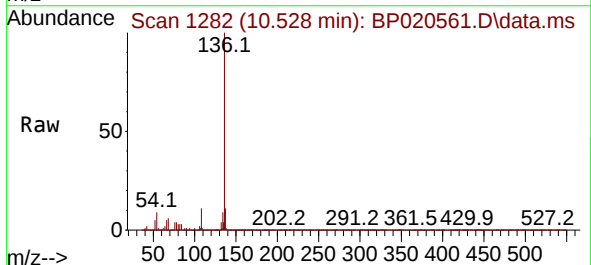
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BNA_P
ClientSampleId :
SW-01

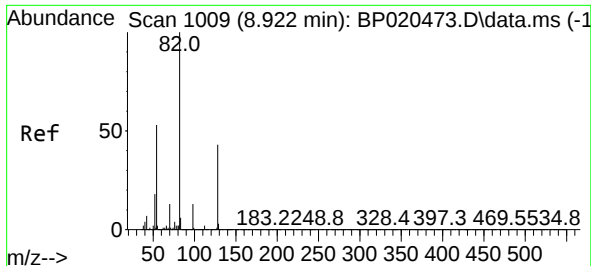
Tgt Ion: 99 Resp: 2905469
Ion Ratio Lower Upper
99 100
42 16.6 15.0 22.4
71 34.3 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

Tgt Ion: 136 Resp: 1596880
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.6 7.4 11.0
68 6.4 5.2 7.8

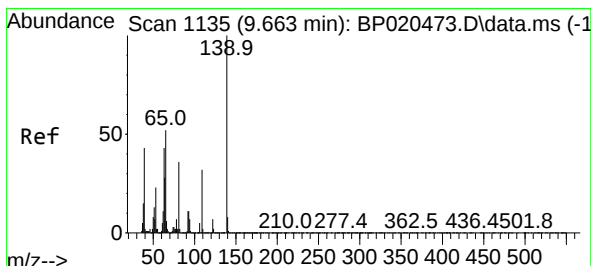
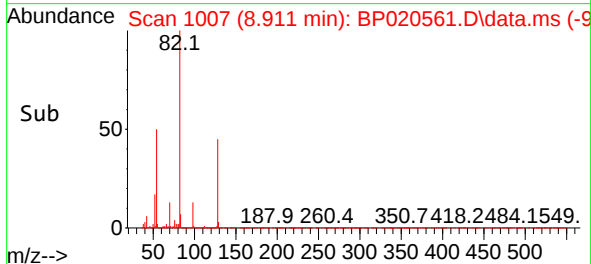
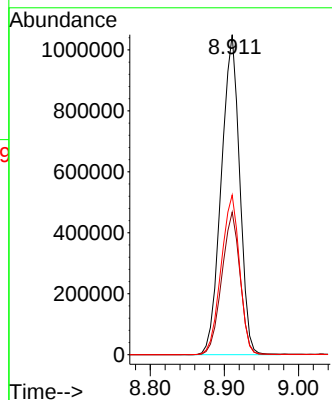
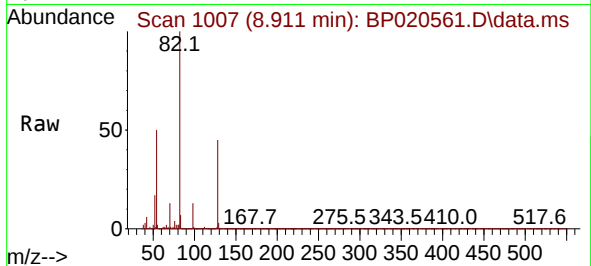




#23
Nitrobenzene-d5
Concen: 61.938 ng
RT: 8.911 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

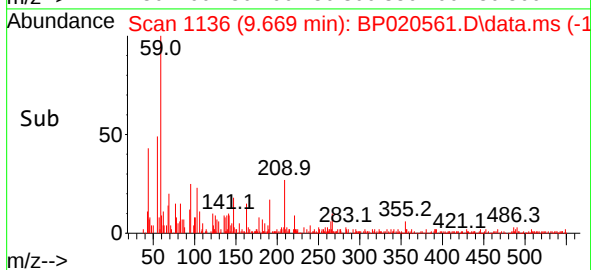
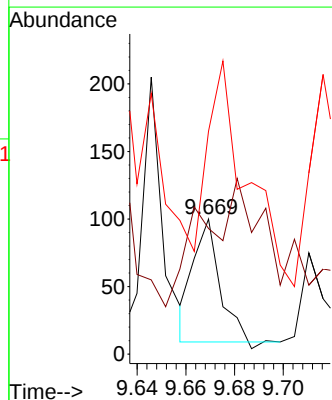
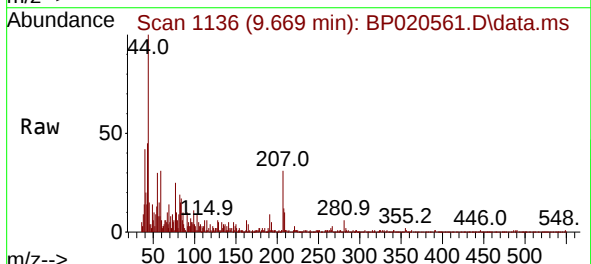
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ClientSampleId :
SW-01

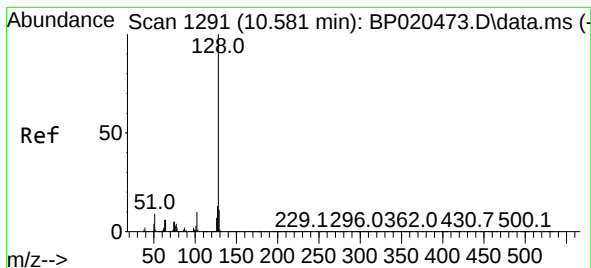
Tgt Ion: 82 Resp: 1806867
Ion Ratio Lower Upper
82 100
128 44.6 34.2 51.4
54 49.9 42.7 64.1



#26
2-Nitrophenol
Concen: 3.797 ng
RT: 9.669 min Scan# 1136
Delta R.T. 0.006 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

Tgt Ion: 139 Resp: 68
Ion Ratio Lower Upper
139 100
109 93.0 25.8 38.8#
65 165.0 41.8 62.8#

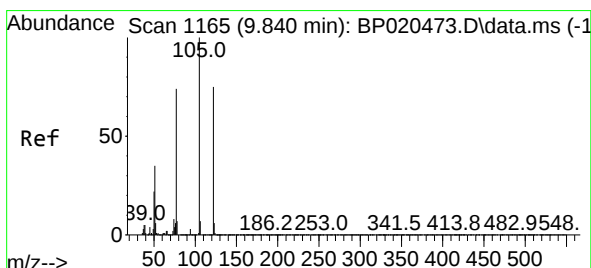
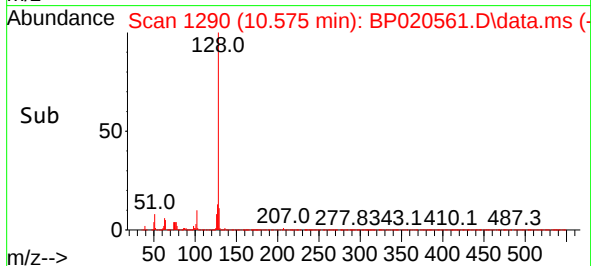
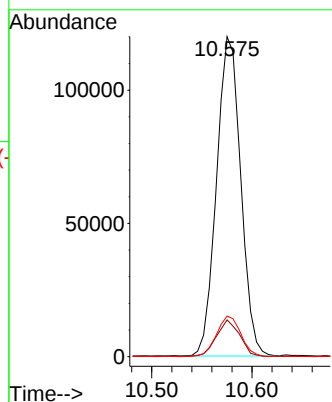
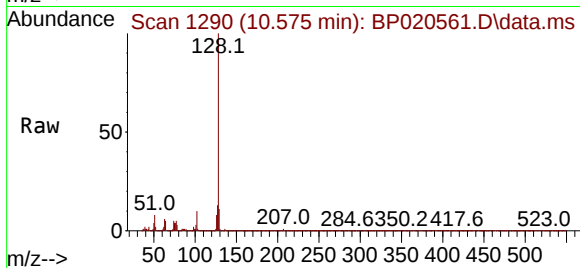




#31
Naphthalene
Concen: 2.461 ng
RT: 10.575 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

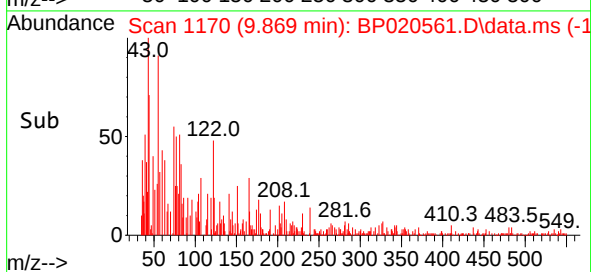
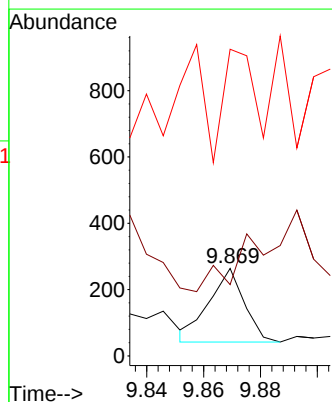
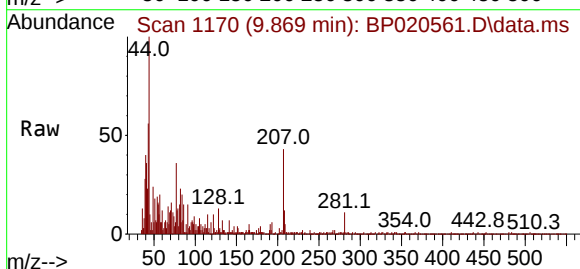
Instrument :
BNA_P
ClientSampleId :
SW-01

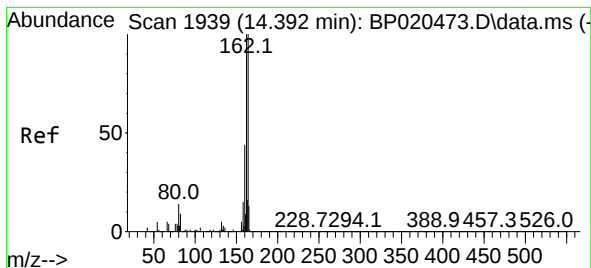
Tgt Ion:128 Resp: 200874
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 12.7 10.5 15.7



#32
Benzoic acid
Concen: 6.858 ng
RT: 9.869 min Scan# 1170
Delta R.T. 0.029 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

Tgt Ion:122 Resp: 192
Ion Ratio Lower Upper
122 100
105 81.4 107.5 147.5#
77 350.4 76.1 116.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.387 min Scan# 1938

Delta R.T. -0.005 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

Instrument :

BNA_P

ClientSampleId :

SW-01

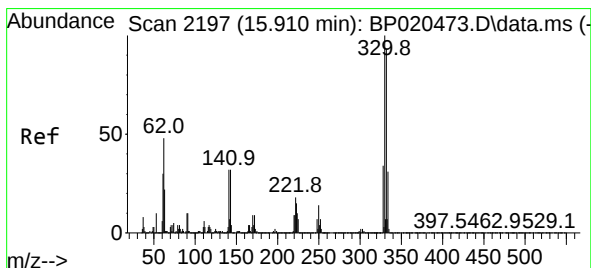
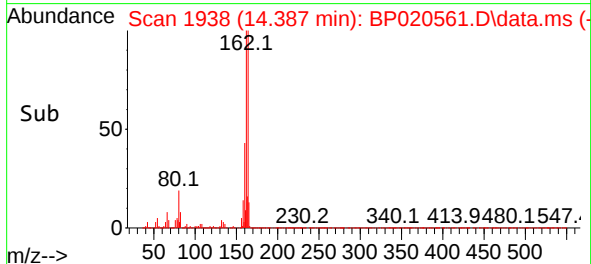
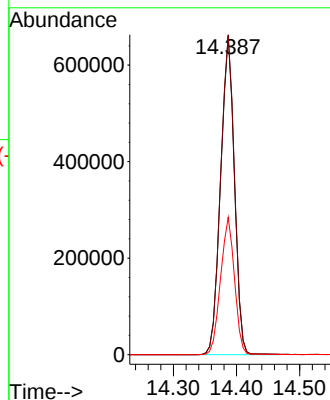
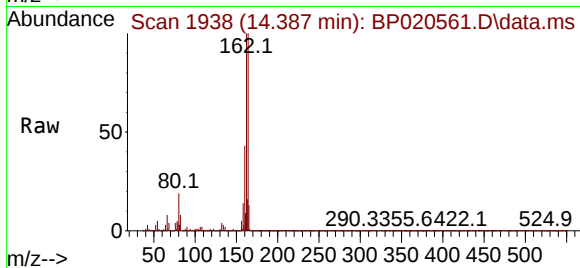
Tgt Ion:164 Resp: 1001039

Ion Ratio Lower Upper

164 100

162 100.5 80.3 120.5

160 43.1 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 118.331 ng

RT: 15.910 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

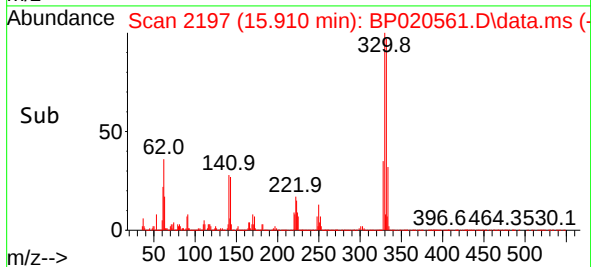
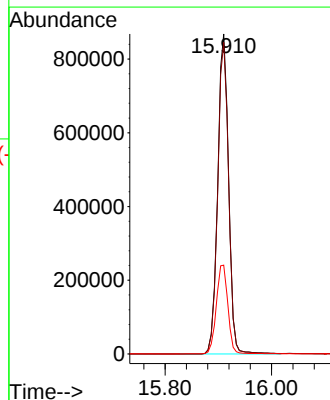
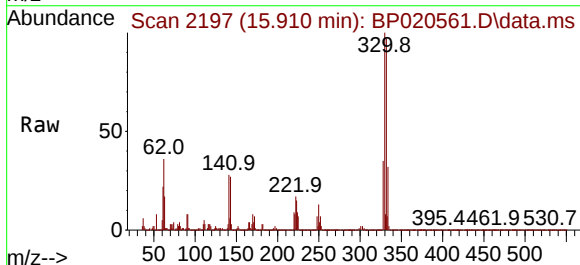
Tgt Ion:330 Resp: 1229325

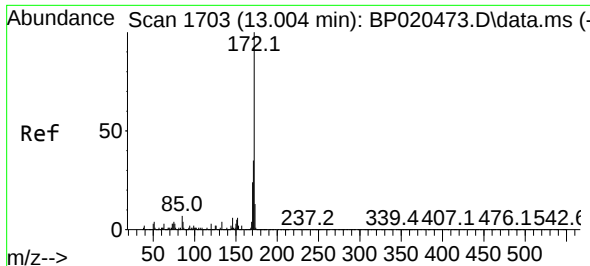
Ion Ratio Lower Upper

330 100

332 97.5 76.6 114.8

141 29.3 27.1 40.7

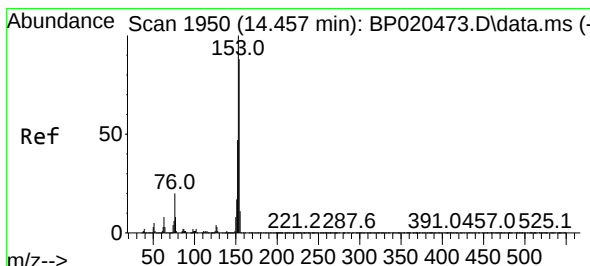
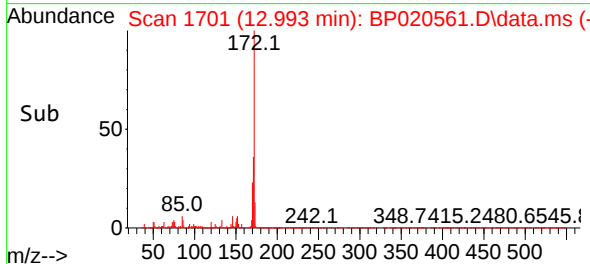
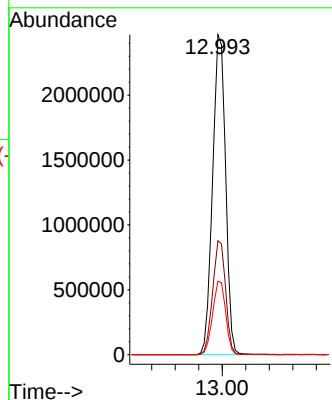
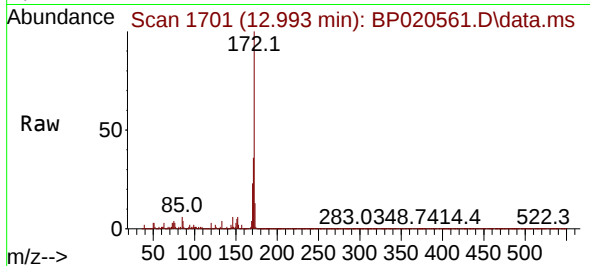




#45
2-Fluorobiphenyl
Concen: 56.375 ng
RT: 12.993 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

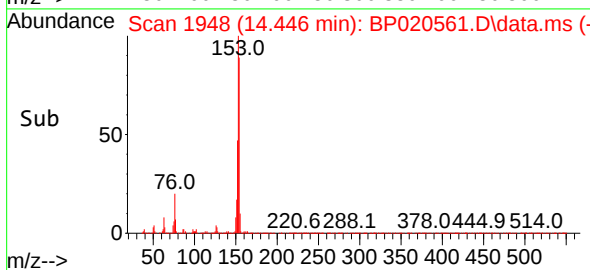
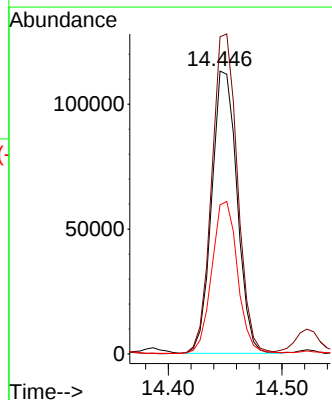
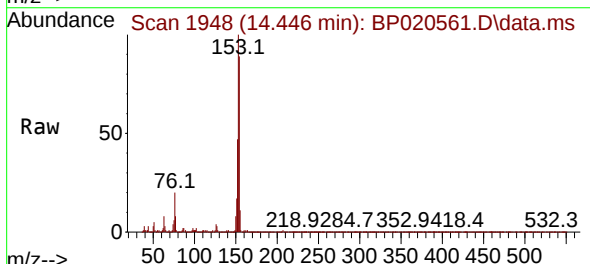
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SW-01

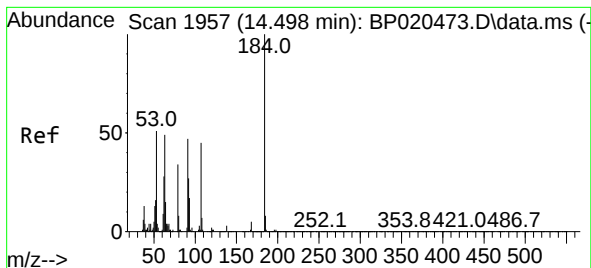
Tgt Ion:172 Resp: 3785675
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.0 18.9 28.3



#52
Acenaphthene
Concen: 3.336 ng
RT: 14.446 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

Tgt Ion:154 Resp: 175387
Ion Ratio Lower Upper
154 100
153 112.1 90.6 136.0
152 52.7 42.6 63.8

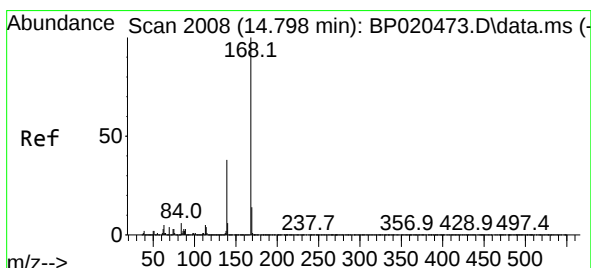
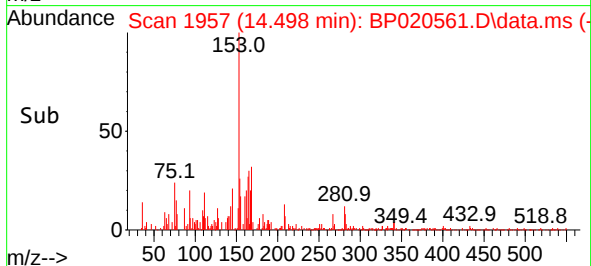
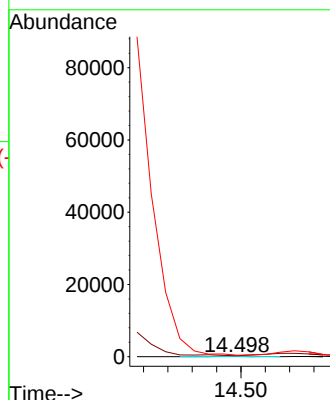
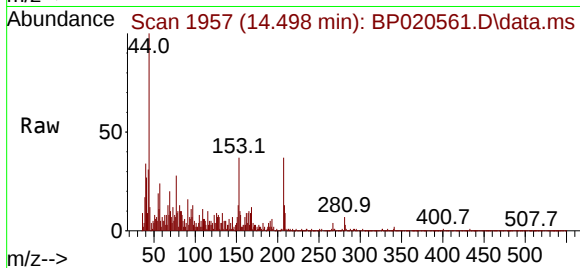




#54
2,4-Dinitrophenol
Concen: 4.988 ng
RT: 14.498 min Scan# 1957
Delta R.T. 0.000 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

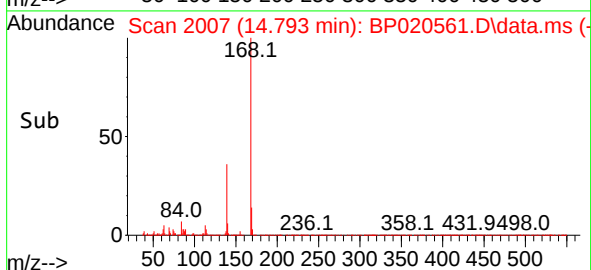
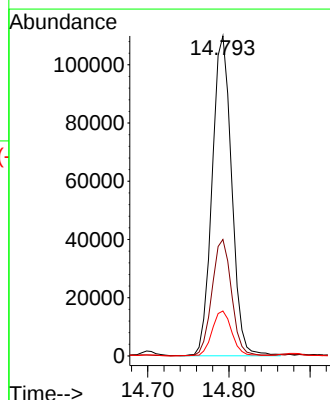
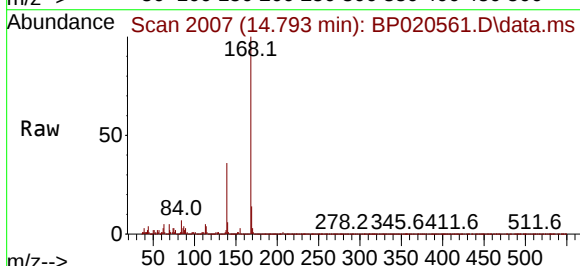
Instrument :
BNA_P
ClientSampleId :
SW-01

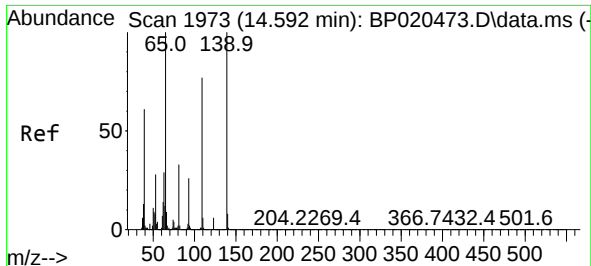
Tgt Ion:184 Resp: 73
Ion Ratio Lower Upper
184 100
63 390.5 54.2 81.4#
154 513.5 51.0 76.6#



#55
Dibenzofuran
Concen: 2.205 ng
RT: 14.793 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

Tgt Ion:168 Resp: 183575
Ion Ratio Lower Upper
168 100
139 36.4 30.4 45.6
169 14.1 11.0 16.4

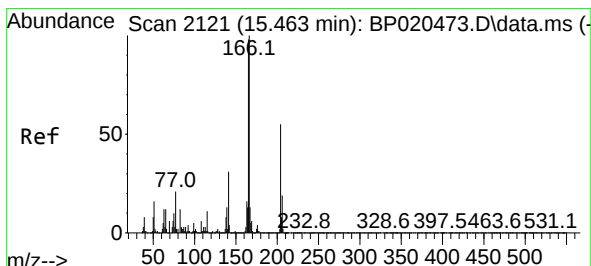
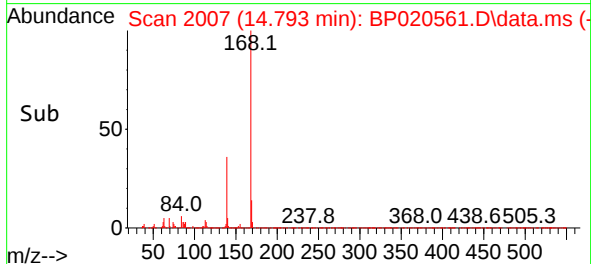
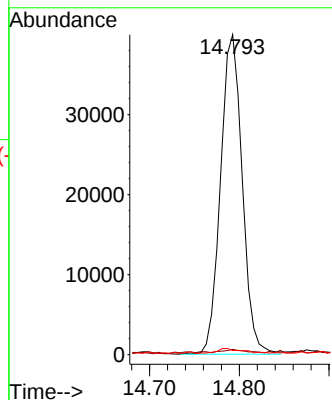
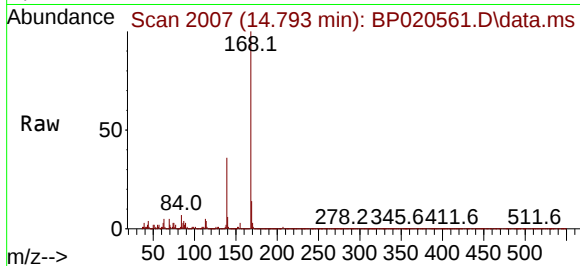




#56
4-Nitrophenol
Concen: 5.727 ng
RT: 14.793 min Scan# 2019
Delta R.T. 0.200 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

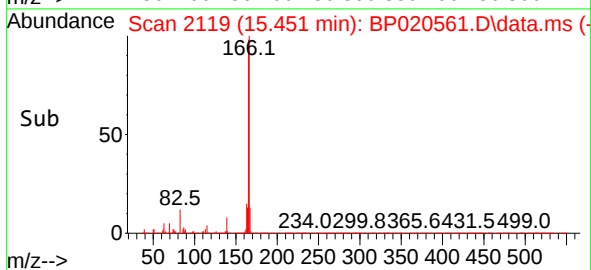
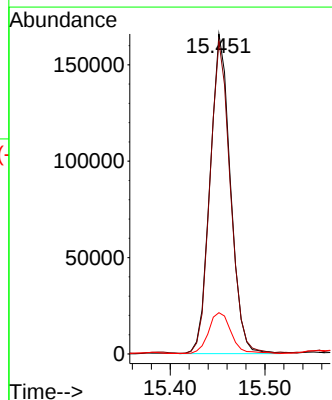
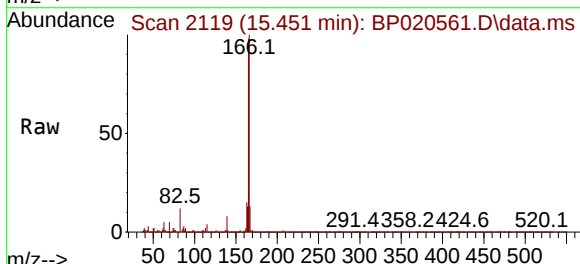
Instrument :
BNA_P
ClientSampleId :
SW-01

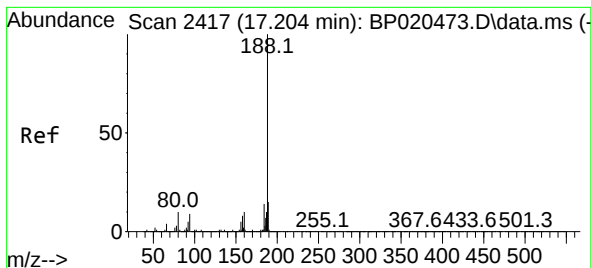
Tgt Ion:139 Resp: 67023
Ion Ratio Lower Upper
139 100
109 1.7 57.4 97.4#
65 1.3 80.4 120.4#



#58
Fluorene
Concen: 3.705 ng
RT: 15.451 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

Tgt Ion:166 Resp: 247685
Ion Ratio Lower Upper
166 100
165 97.7 78.2 117.4
167 12.9 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.198 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

Instrument :

BNA_P

ClientSampleId :

SW-01

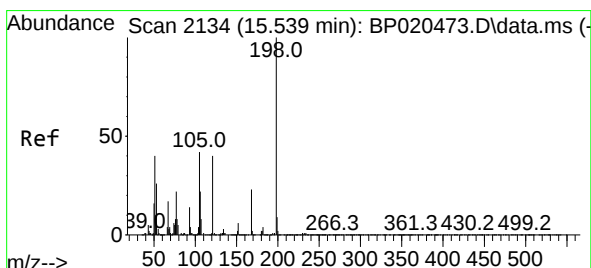
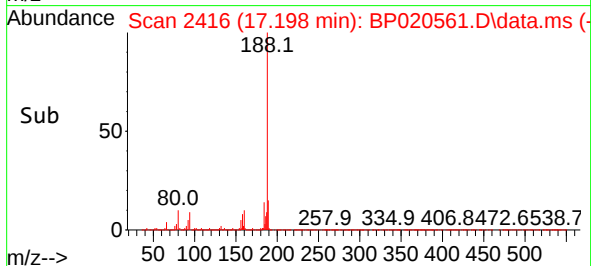
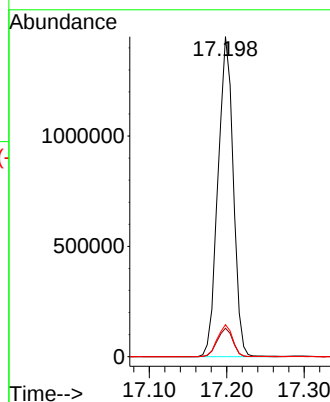
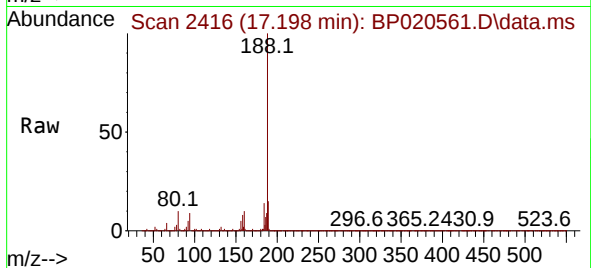
Tgt Ion:188 Resp: 1987375

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

80 10.0 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.658 ng

RT: 15.540 min Scan# 2134

Delta R.T. 0.001 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

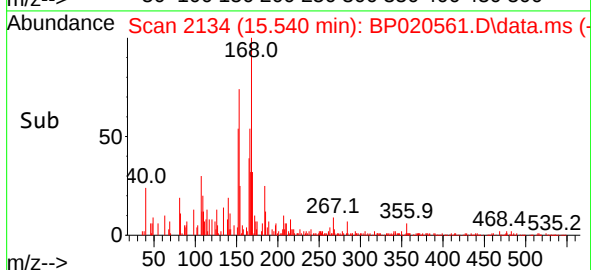
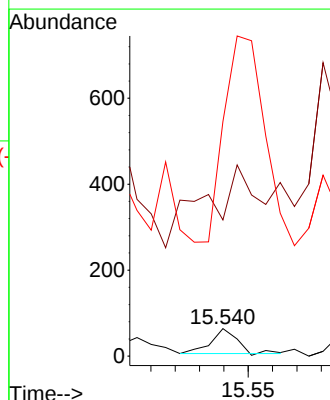
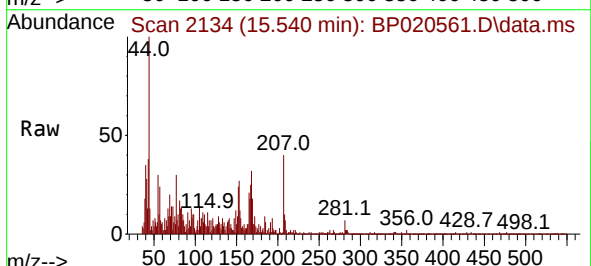
Tgt Ion:198 Resp: 44

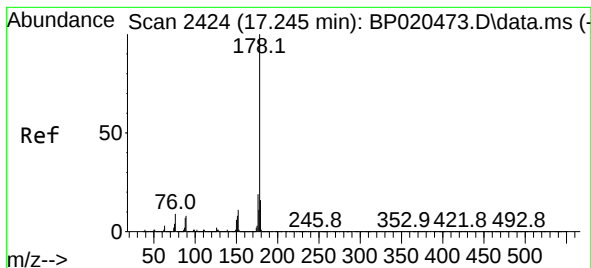
Ion Ratio Lower Upper

198 100

51 386.6 24.8 64.8#

105 665.9 23.2 63.2#





#71

Phenanthrene

Concen: 27.420 ng

RT: 17.239 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

Instrument :

BNA_P

ClientSampleId :

SW-01

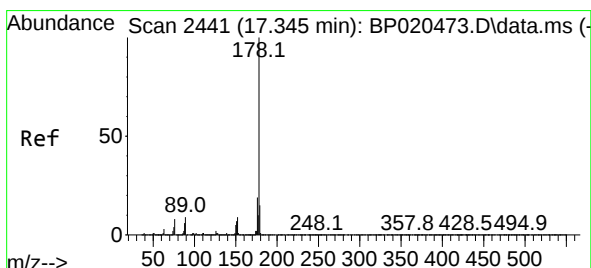
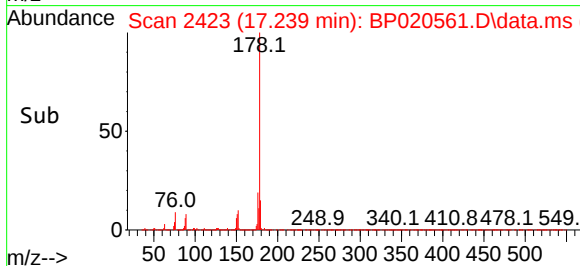
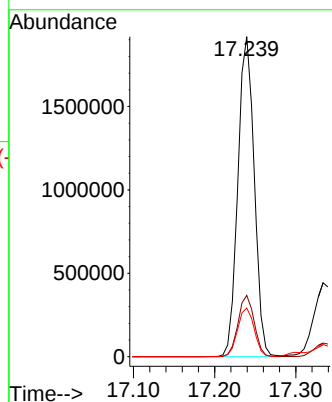
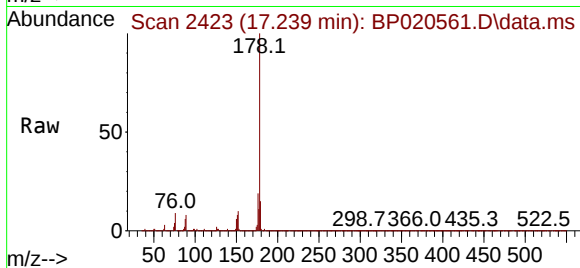
Tgt Ion:178 Resp: 2678797

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.2 12.5 18.7



#72

Anthracene

Concen: 7.939 ng

RT: 17.334 min Scan# 2439

Delta R.T. -0.012 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

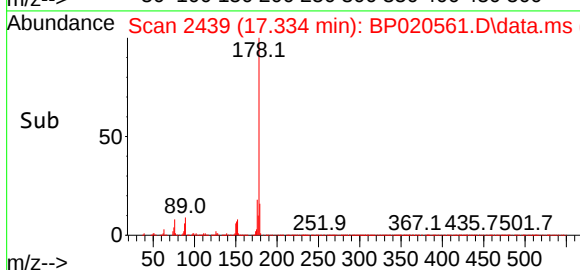
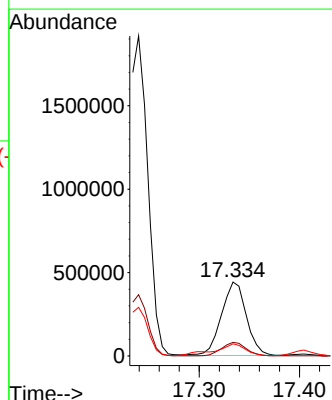
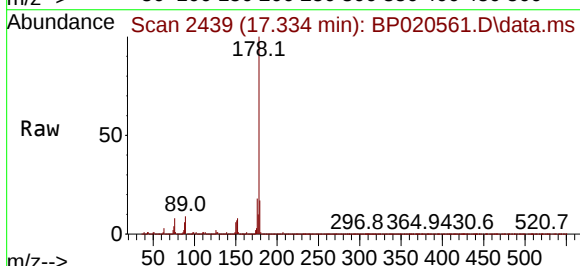
Tgt Ion:178 Resp: 761042

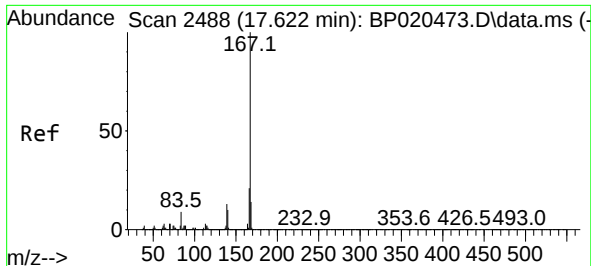
Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

179 16.5 12.2 18.4

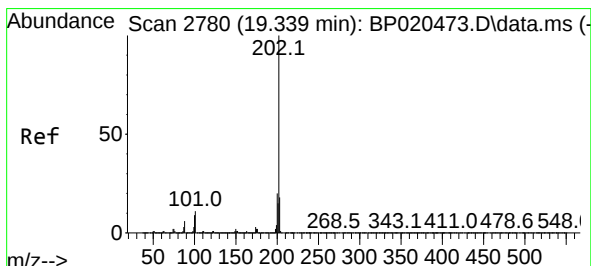
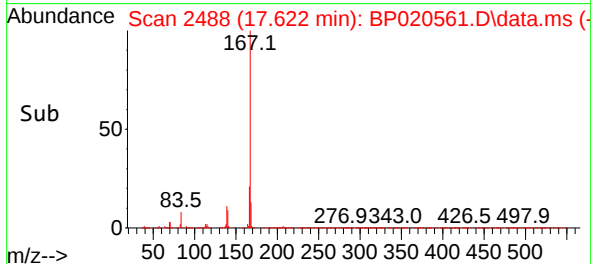
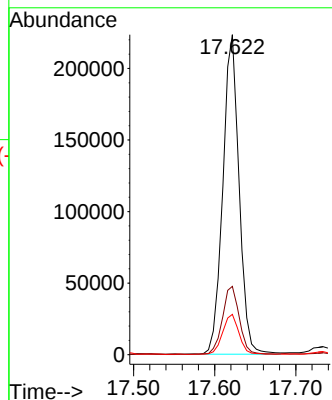
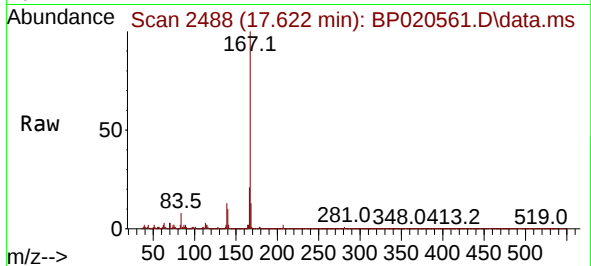




#73
Carbazole
Concen: 3.362 ng
RT: 17.622 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

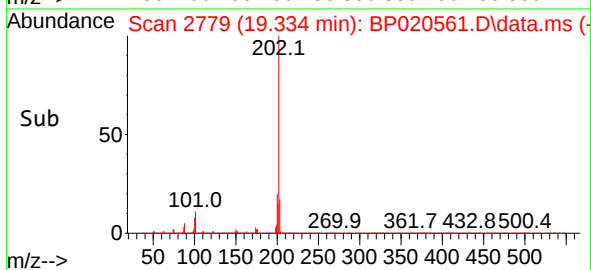
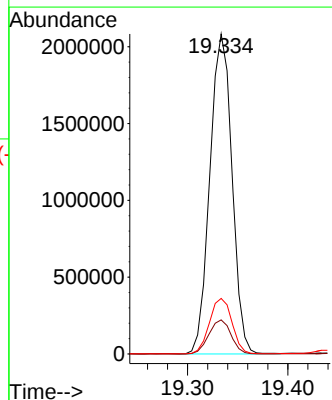
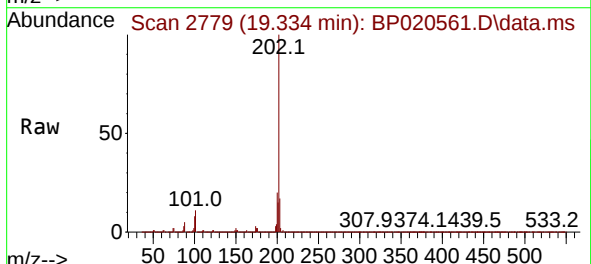
Instrument :
BNA_P
ClientSampleId :
SW-01

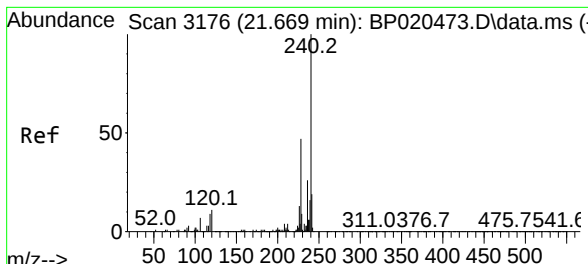
Tgt Ion:167 Resp: 311761
Ion Ratio Lower Upper
167 100
166 21.3 17.1 25.7
139 12.6 10.5 15.7



#75
Fluoranthene
Concen: 27.687 ng
RT: 19.334 min Scan# 2779
Delta R.T. -0.006 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

Tgt Ion:202 Resp: 3199930
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.4
203 17.4 0.0 37.7



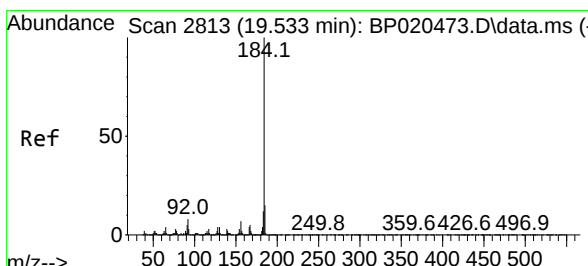
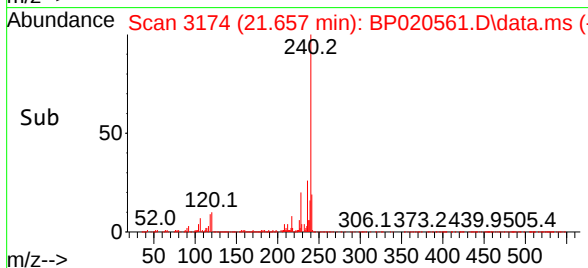
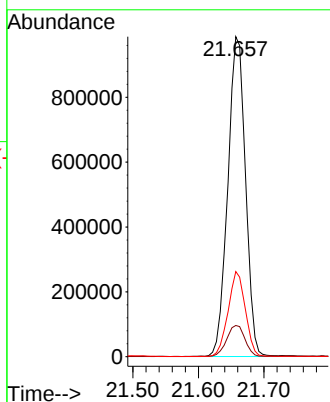
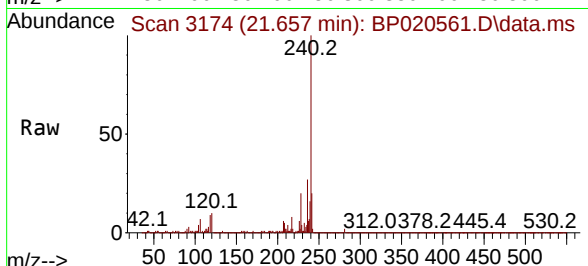


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.657 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BP020561.D
 Acq: 07 Jun 2024 15:30

Instrument :
 BNA_P
 ClientSampleId :
 SW-01

Tgt Ion:240 Resp: 1853594

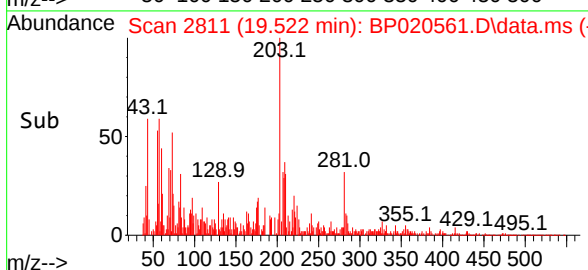
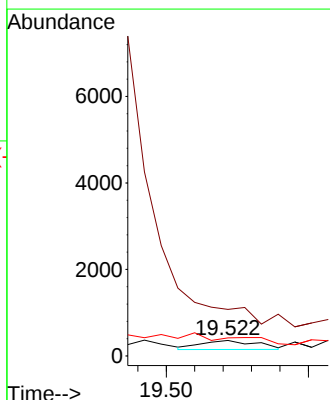
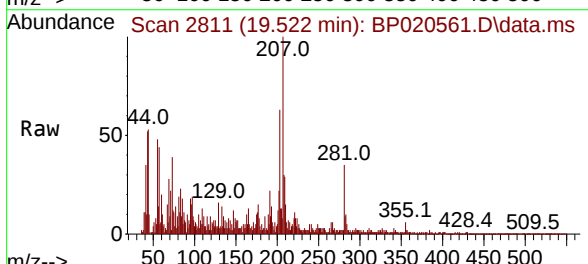
Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.5	12.7
236	26.6	20.5	30.7

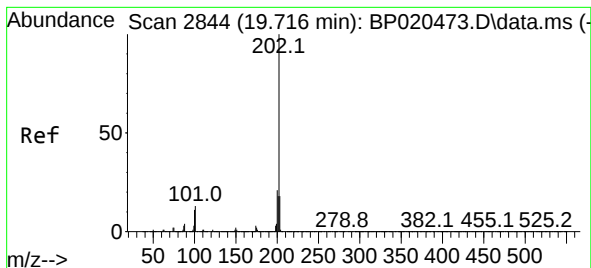


#77
 Benzidine
 Concen: 5.974 ng
 RT: 19.522 min Scan# 2811
 Delta R.T. -0.011 min
 Lab File: BP020561.D
 Acq: 07 Jun 2024 15:30

Tgt Ion:184 Resp: 283

Ion	Ratio	Lower	Upper
184	100		
185	299.7	12.0	18.0#
183	116.7	9.4	14.0#





#78

Pyrene

Concen: 18.530 ng

RT: 19.710 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

Instrument :

BNA_P

ClientSampleId :

SW-01

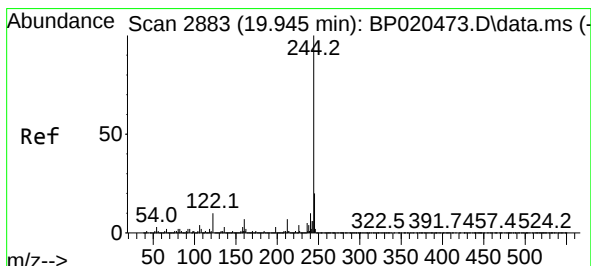
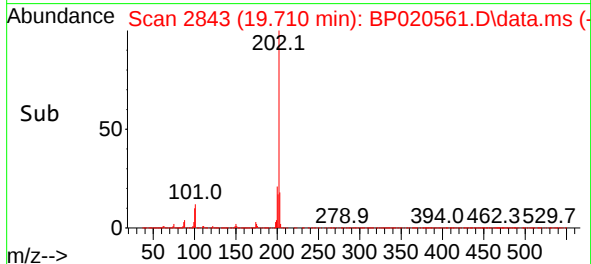
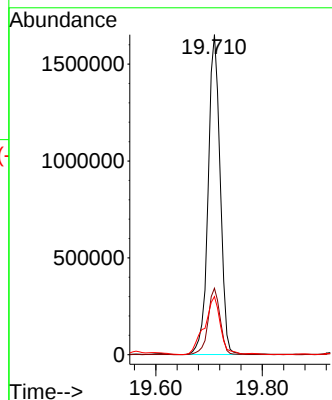
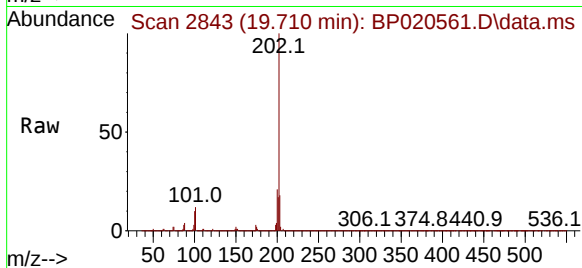
Tgt Ion:202 Resp: 2583499

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 18.2 14.1 21.1



#79

Terphenyl-d14

Concen: 46.575 ng

RT: 19.933 min Scan# 2881

Delta R.T. -0.012 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

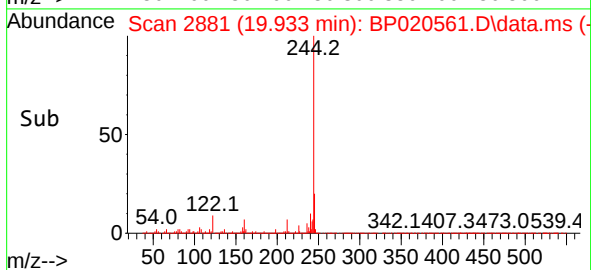
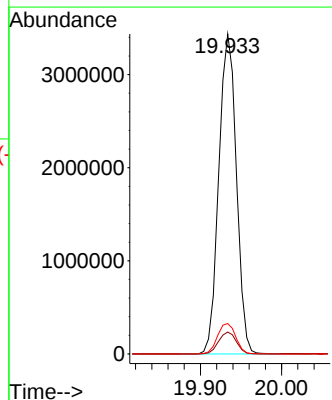
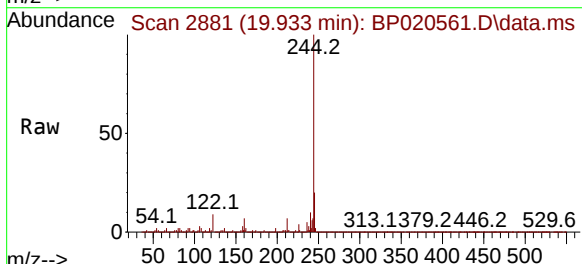
Tgt Ion:244 Resp: 5185884

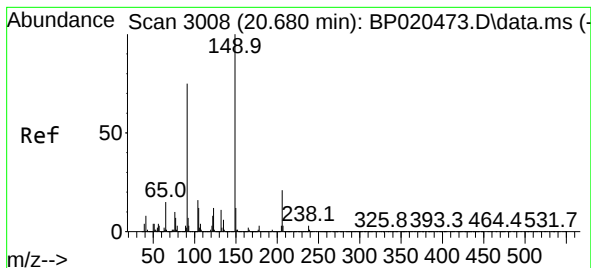
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 9.5 8.2 12.2





#80

Butylbenzylphthalate

Concen: 2.668 ng

RT: 20.675 min Scan# 3008

Delta R.T. -0.005 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

Instrument :

BNA_P

ClientSampleId :

SW-01

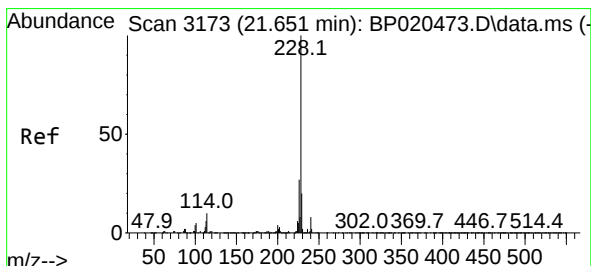
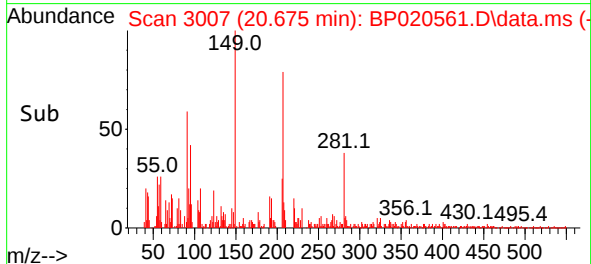
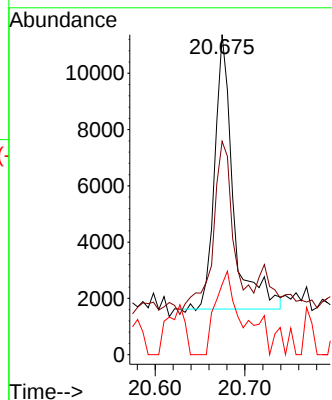
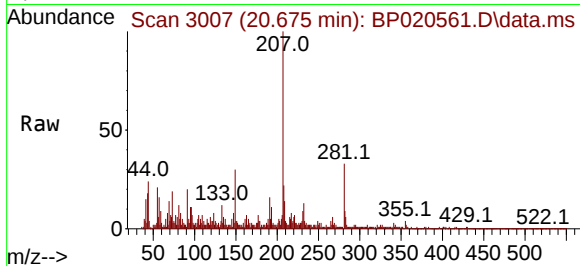
Tgt Ion:149 Resp: 14015

Ion Ratio Lower Upper

149 100

91 66.6 60.0 90.0

206 21.9 16.6 25.0



#81

Benzo(a)anthracene

Concen: 11.645 ng

RT: 21.633 min Scan# 3170

Delta R.T. -0.018 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

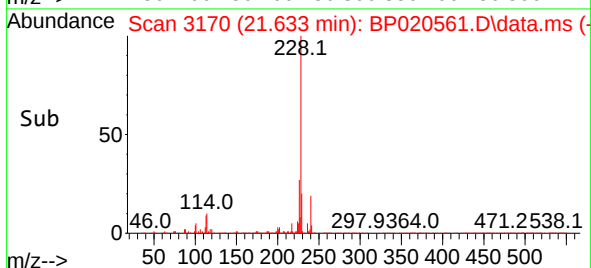
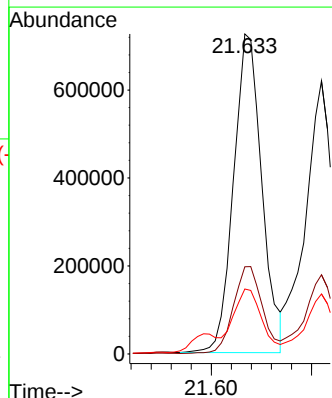
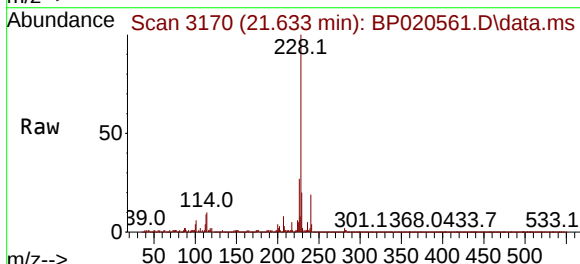
Tgt Ion:228 Resp: 1421254

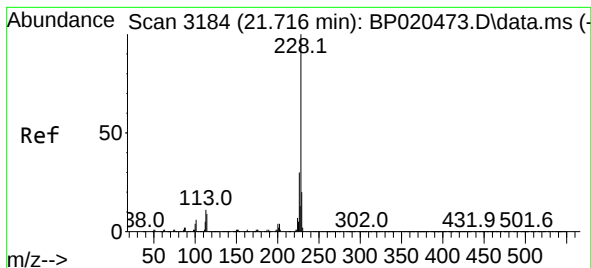
Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

229 20.3 15.8 23.6





#83

Chrysene

Concen: 10.302 ng

RT: 21.710 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

Instrument :

BNA_P

ClientSampleId :

SW-01

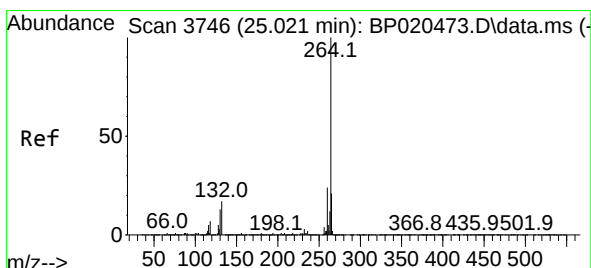
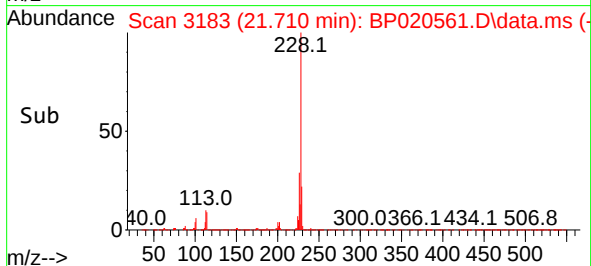
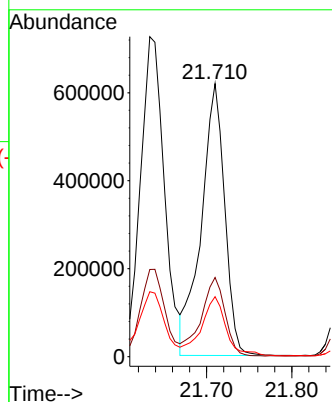
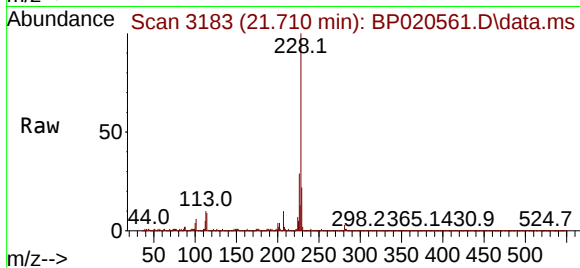
Tgt Ion:228 Resp: 1184762

Ion Ratio Lower Upper

228 100

226 29.0 24.0 36.0

229 22.0 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.010 min Scan# 3744

Delta R.T. -0.012 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

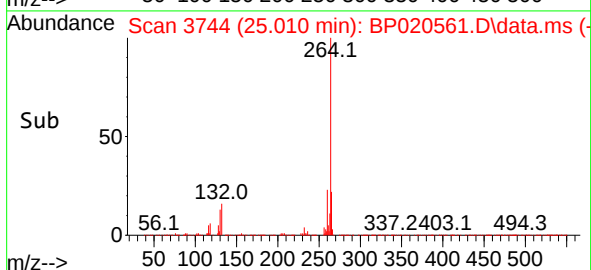
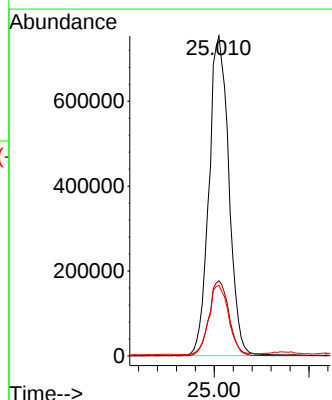
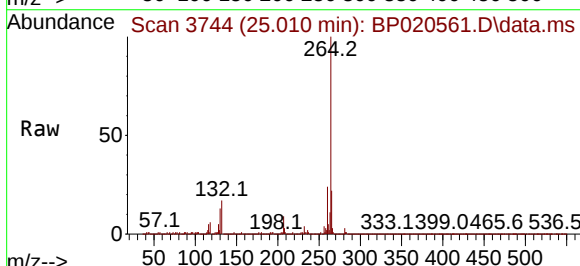
Tgt Ion:264 Resp: 2194045

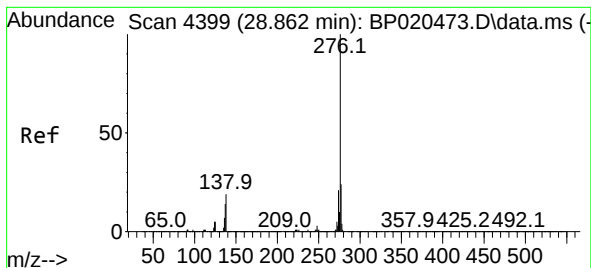
Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.802 ng

RT: 28.809 min Scan# 41

Delta R.T. -0.053 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

Instrument :

BNA_P

ClientSampleId :

SW-01

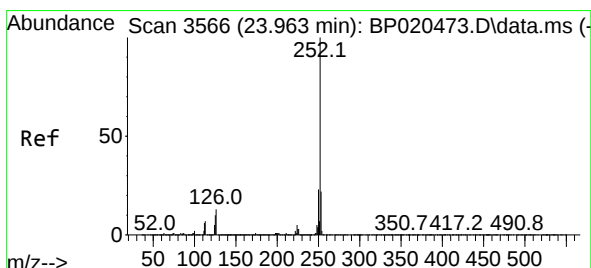
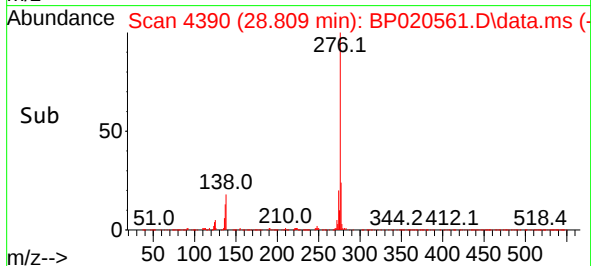
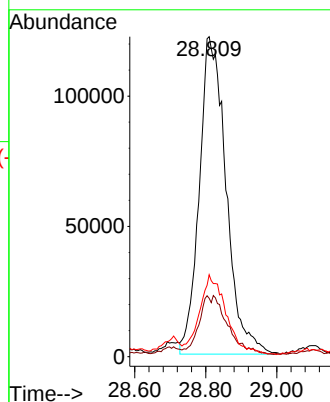
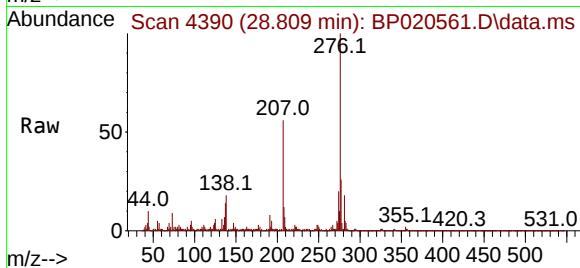
Tgt Ion:276 Resp: 640741

Ion Ratio Lower Upper

276 100

138 7.5 12.8 19.2#

277 25.0 15.6 23.4#



#88

Benzo(b)fluoranthene

Concen: 10.356 ng

RT: 23.957 min Scan# 3565

Delta R.T. -0.006 min

Lab File: BP020561.D

Acq: 07 Jun 2024 15:30

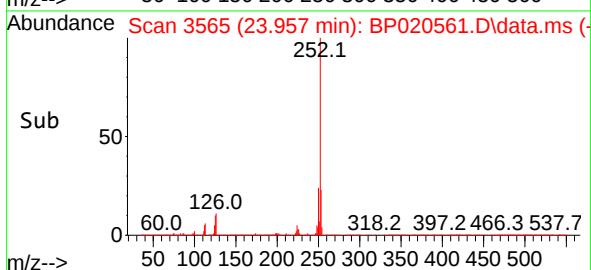
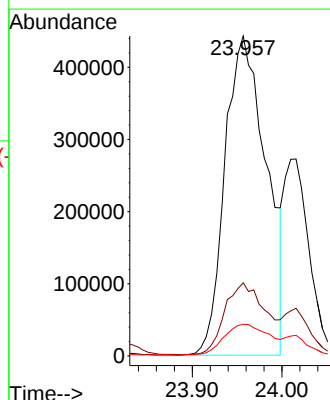
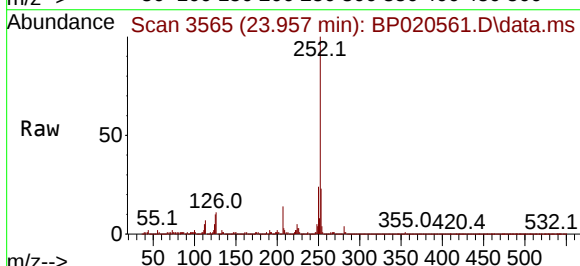
Tgt Ion:252 Resp: 1415480

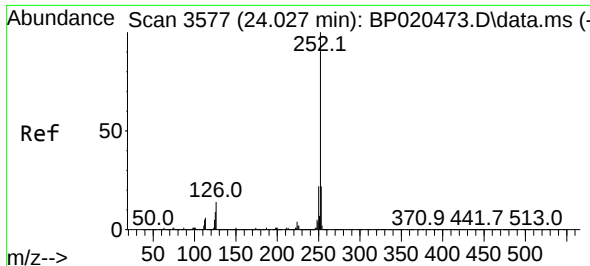
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 9.9 8.0 12.0

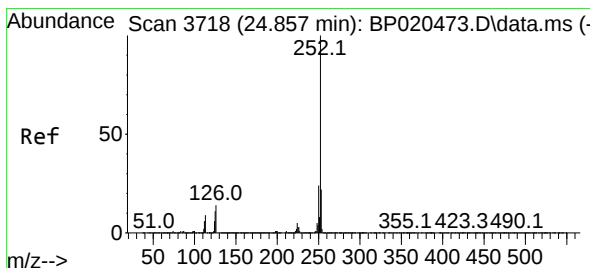
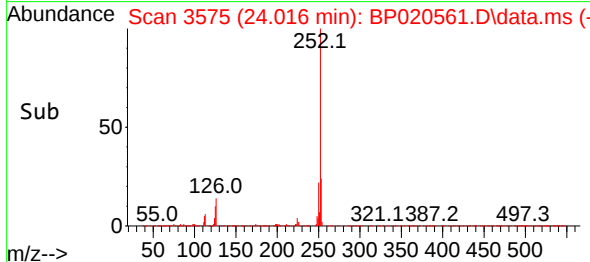
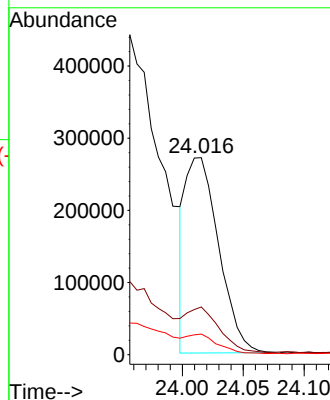
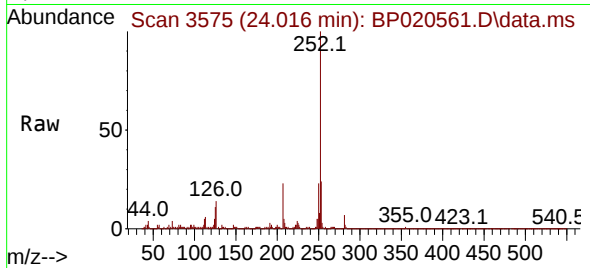




#89
Benzo(k)fluoranthene
Concen: 3.823 ng
RT: 24.016 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

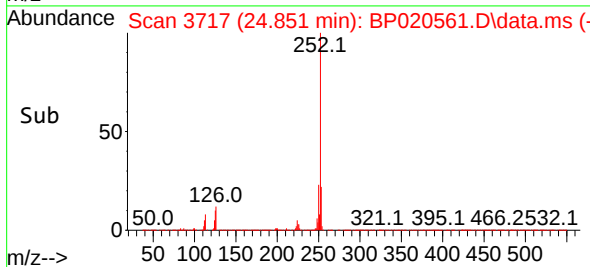
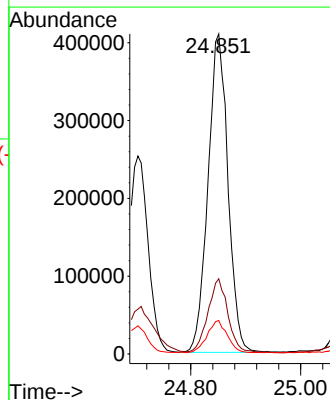
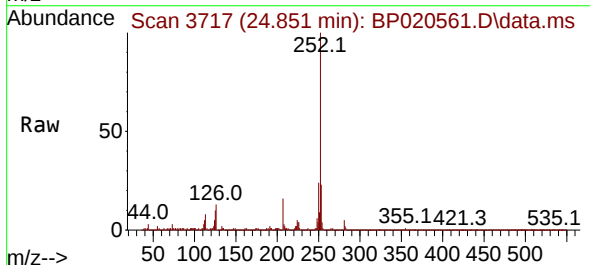
Instrument :
BNA_P
ClientSampleId :
SW-01

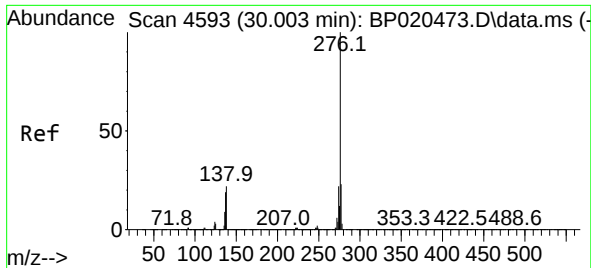
Tgt Ion:252 Resp: 509601
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 10.5 7.8 11.6



#90
Benzo(a)pyrene
Concen: 9.122 ng
RT: 24.851 min Scan# 3717
Delta R.T. -0.006 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

Tgt Ion:252 Resp: 1032609
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 10.5 8.9 13.3





#92
Benzo(g,h,i)perylene
Concen: 5.326 ng
RT: 30.009 min Scan# 4594
Delta R.T. 0.006 min
Lab File: BP020561.D
Acq: 07 Jun 2024 15:30

Instrument :
BNA_P
ClientSampleId :
SW-01

Tgt Ion:276 Resp: 592398
Ion Ratio Lower Upper
276 100
277 23.3 18.7 28.1
138 20.9 17.7 26.5

