

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060524\
 Data File : BP020530.D
 Acq On : 06 Jun 2024 00:12
 Operator : MA/JU
 Sample : P2683-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-4

Quant Time: Jun 06 02:03:40 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)

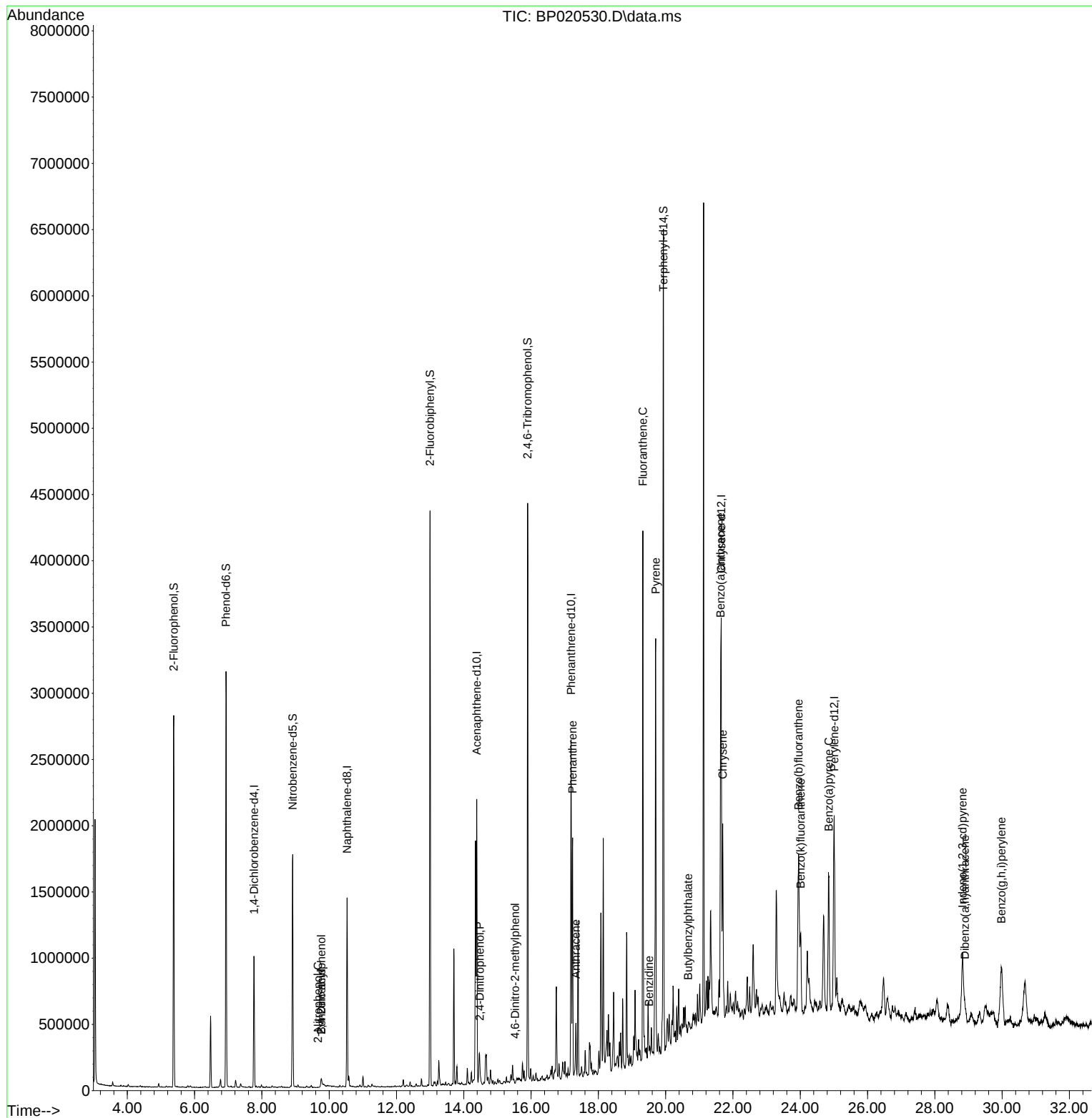
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	289726	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1154756	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	758117	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1561655	20.000	ng	-0.01
76) Chrysene-d12	21.651	240	1398153	20.000	ng	-0.02
86) Perylene-d12	25.010	264	1605976	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1292086	79.848	ng	0.00
7) Phenol-d6	6.934	99	1722946	75.501	ng	0.00
23) Nitrobenzene-d5	8.916	82	1057363	50.123	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	715385	90.926	ng	-0.01
45) 2-Fluorobiphenyl	12.998	172	2373300	46.667	ng	0.00
79) Terphenyl-d14	19.933	244	3692093	43.960	ng	-0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.669	139	52	3.797	ng	# 1
27) 2,4-Dimethylphenol	9.769	122	45864	3.704	ng	# 4
32) Benzoic acid	9.769	122	45864	10.191	ng	98
54) 2,4-Dinitrophenol	14.481	184	58	4.988	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.528	198	95	7.665	ng	# 1
71) Phenanthrene	17.233	178	1145012	14.915	ng	99
72) Anthracene	17.333	178	292669	3.885	ng	98
75) Fluoranthene	19.322	202	2276935	25.071	ng	99
77) Benzidine	19.504	184	1184	5.991	ng	# 1
78) Pyrene	19.704	202	2036296	19.363	ng	99
80) Butylbenzylphthalate	20.669	149	12397	2.709	ng	# 83
81) Benzo(a)anthracene	21.633	228	1179619	12.814	ng	97
83) Chrysene	21.698	228	1105929	12.749	ng	98
87) Indeno(1,2,3-cd)pyrene	28.827	276	803547	8.228	ng	# 89
88) Benzo(b)fluoranthene	23.951	252	1532139	15.314	ng	99
89) Benzo(k)fluoranthene	24.015	252	557999	5.718	ng	95
90) Benzo(a)pyrene	24.851	252	1133823	13.684	ng	98
91) Dibenzo(a,h)anthracene	28.898	278	199940	2.455	ng	94
92) Benzo(g,h,i)perylene	29.980	276	764731	9.393	ng	97

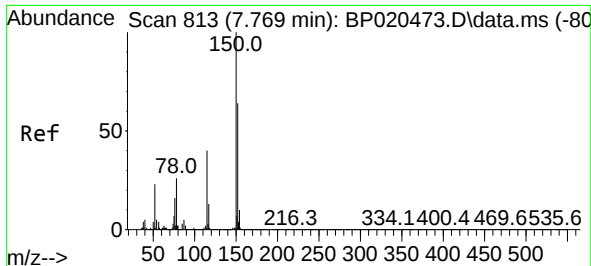
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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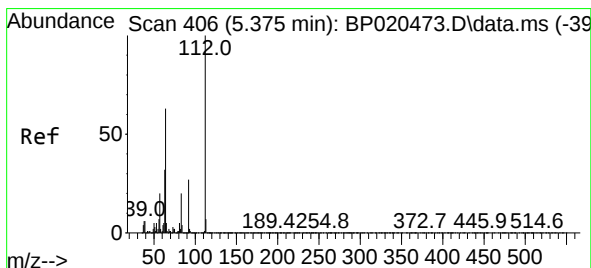
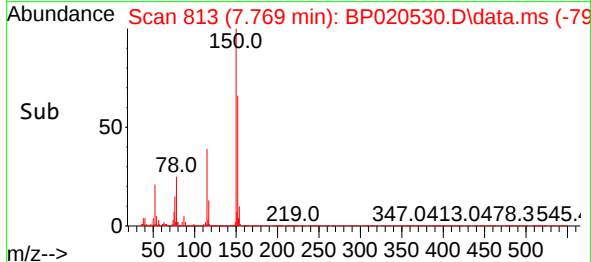
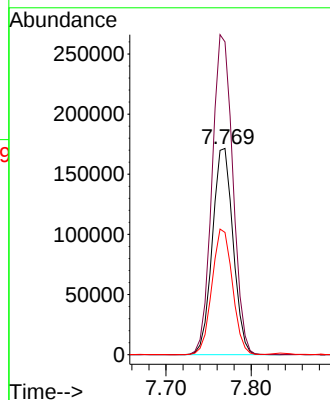
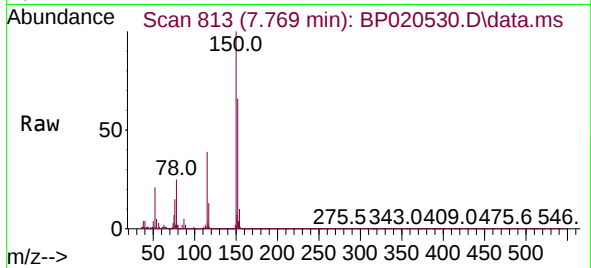




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. 0.000 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

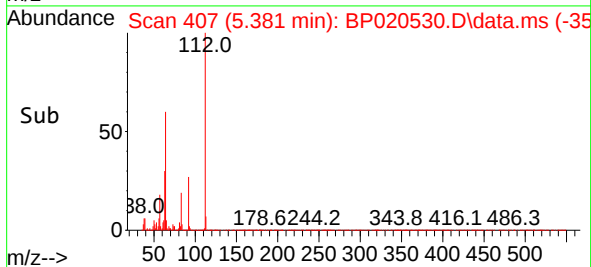
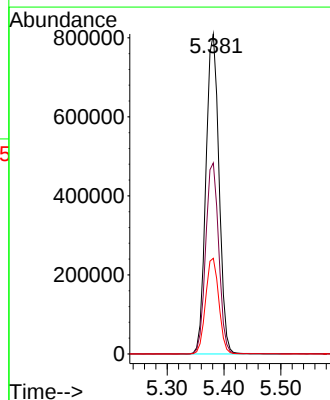
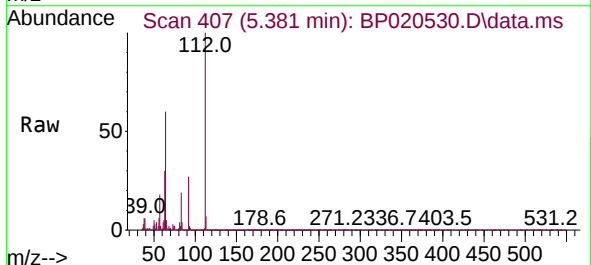
Instrument :
BNA_P
ClientSampleId :
WC-4

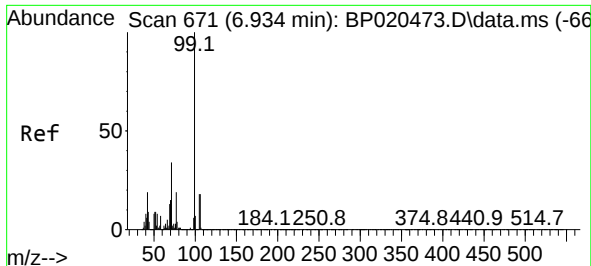
Tgt Ion:152 Resp: 289726
Ion Ratio Lower Upper
152 100
150 151.7 124.2 186.2
115 59.2 49.5 74.3



#5
2-Fluorophenol
Concen: 79.848 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

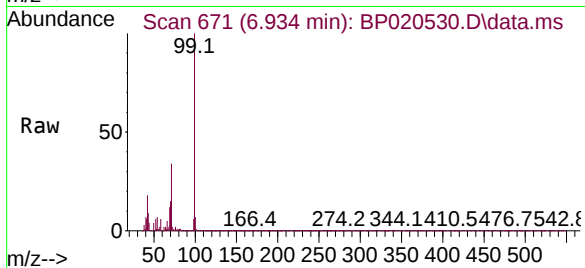
Tgt Ion:112 Resp: 1292086
Ion Ratio Lower Upper
112 100
64 59.7 50.1 75.1
63 29.9 25.7 38.5





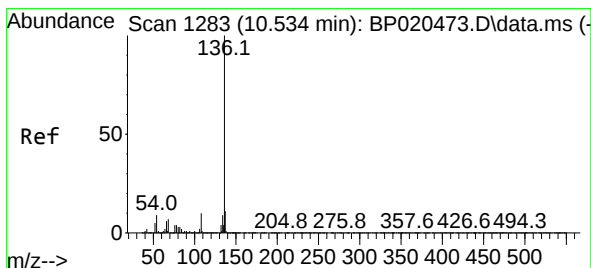
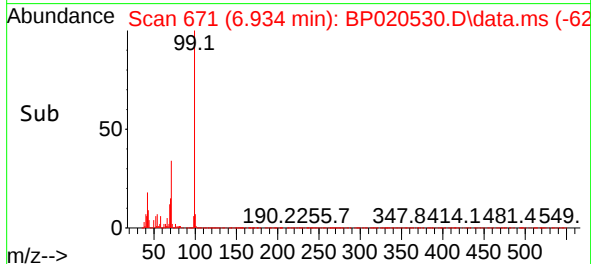
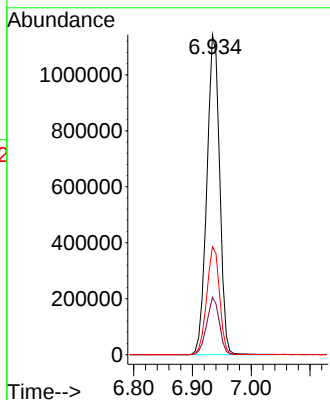
#7
Phenol-d6
Concen: 75.501 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

Instrument :
BNA_P
ClientSampleId :
WC-4



Tgt Ion: 99 Resp: 1722946

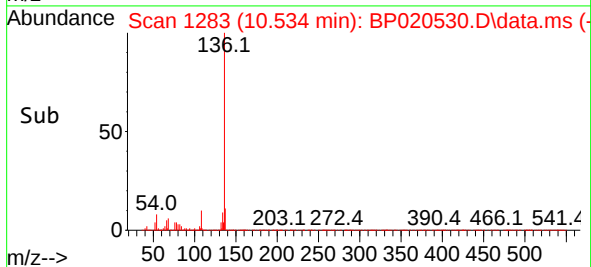
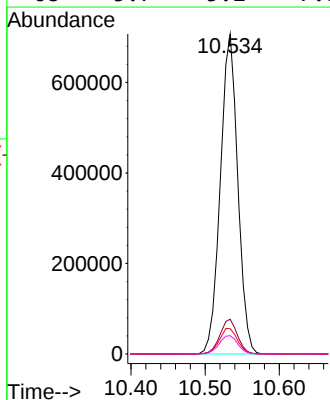
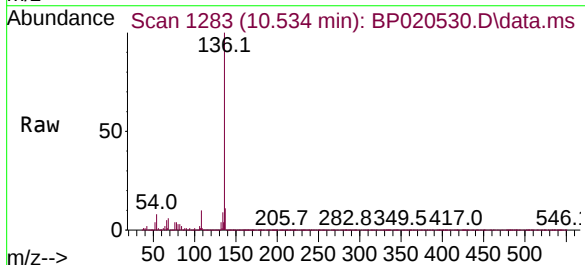
Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.0	22.4
71	33.8	27.3	40.9

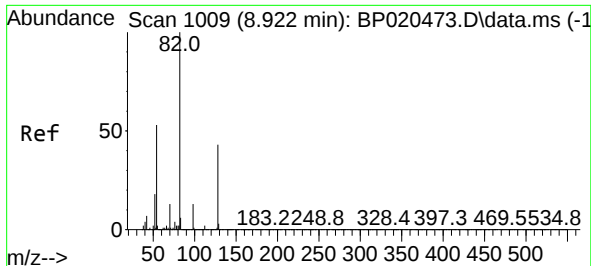


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. -0.000 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

Tgt Ion: 136 Resp: 1154756

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	7.9	7.4	11.0
68	5.7	5.2	7.8

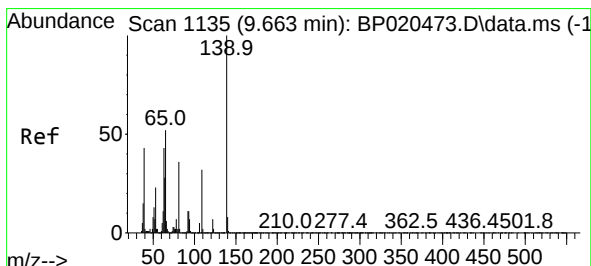
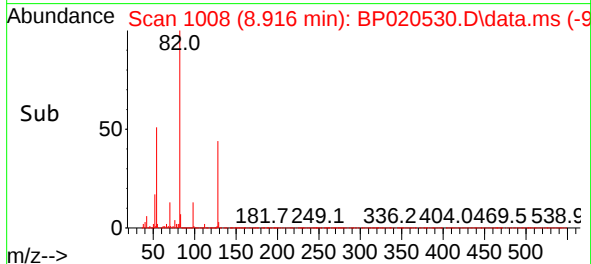
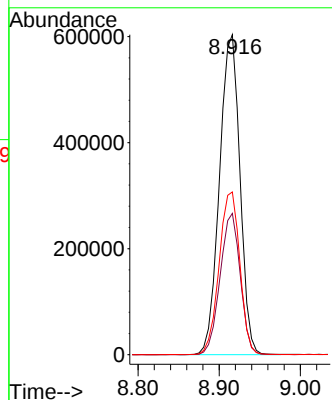
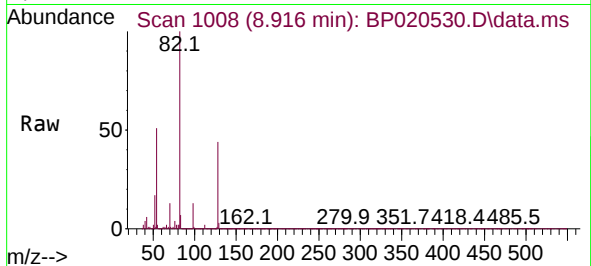




#23
Nitrobenzene-d5
Concen: 50.123 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

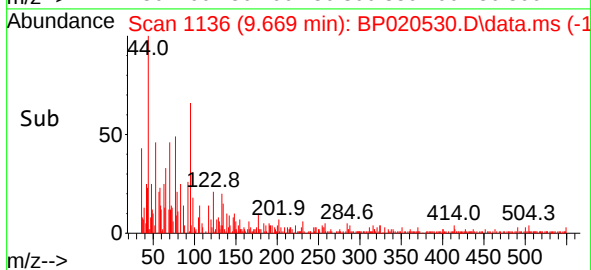
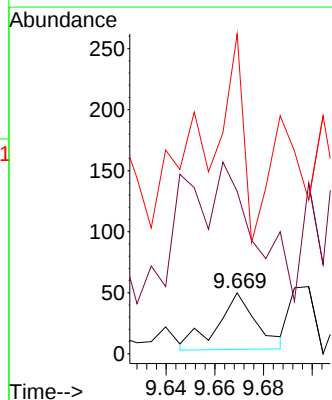
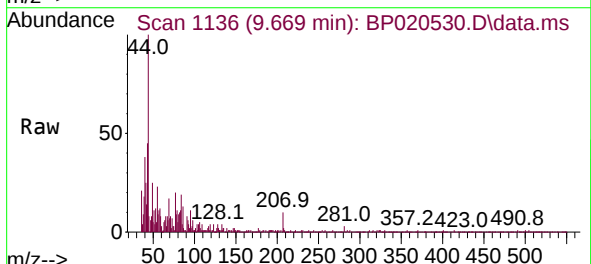
Instrument :
BNA_P
ClientSampleId :
WC-4

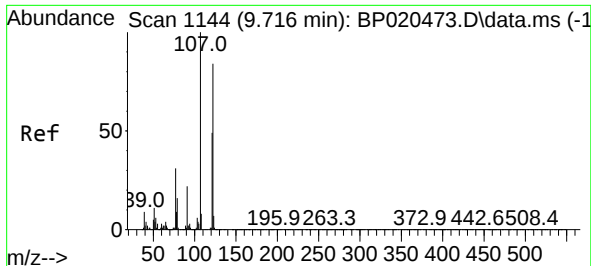
Tgt Ion: 82 Resp: 1057363
Ion Ratio Lower Upper
82 100
128 44.2 34.2 51.4
54 50.9 42.7 64.1



#26
2-Nitrophenol
Concen: 3.797 ng
RT: 9.669 min Scan# 1136
Delta R.T. 0.006 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

Tgt Ion:139 Resp: 52
Ion Ratio Lower Upper
139 100
109 266.0 25.8 38.8#
65 524.0 41.8 62.8#





#27

2,4-Dimethylphenol

Concen: 3.704 ng

RT: 9.769 min Scan# 1153

Delta R.T. 0.053 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

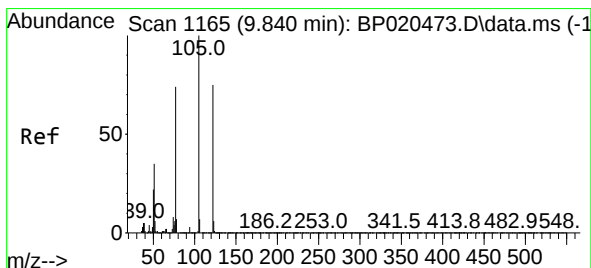
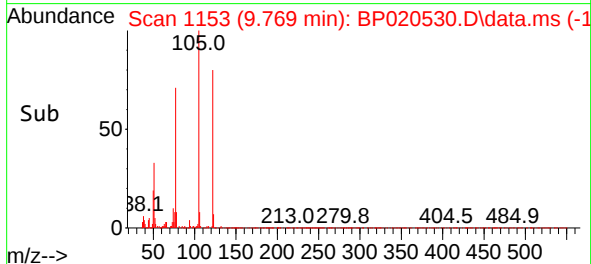
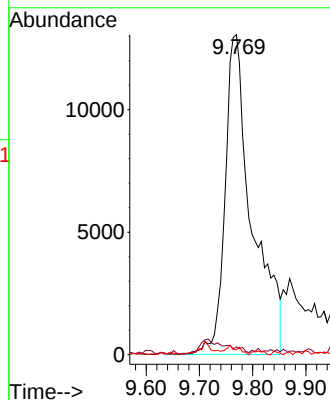
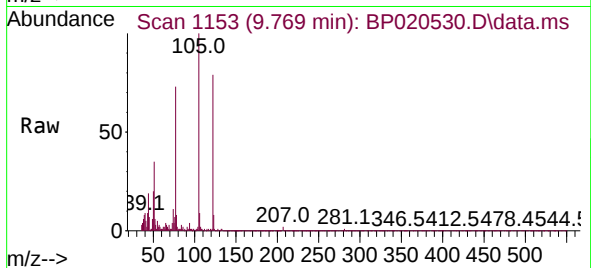
Tgt Ion:122 Resp: 45864

Ion Ratio Lower Upper

122 100

107 2.4 95.0 142.4#

121 1.6 46.1 69.1#



#32

Benzoic acid

Concen: 10.191 ng

RT: 9.769 min Scan# 1153

Delta R.T. -0.071 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

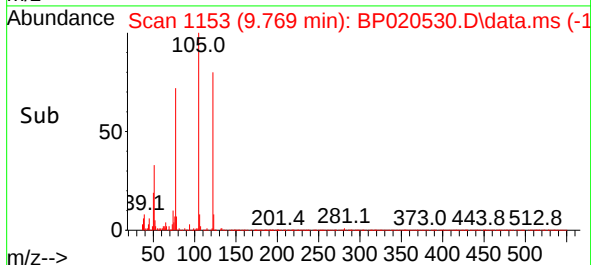
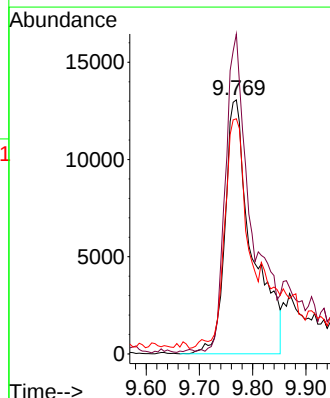
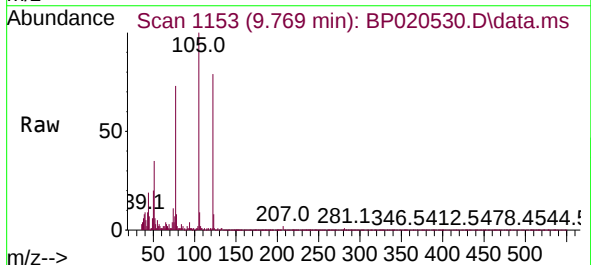
Tgt Ion:122 Resp: 45864

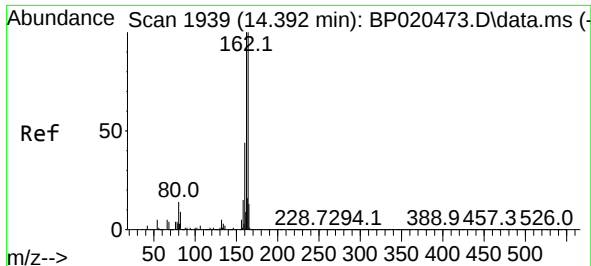
Ion Ratio Lower Upper

122 100

105 126.0 107.5 147.5

77 92.6 76.1 116.1

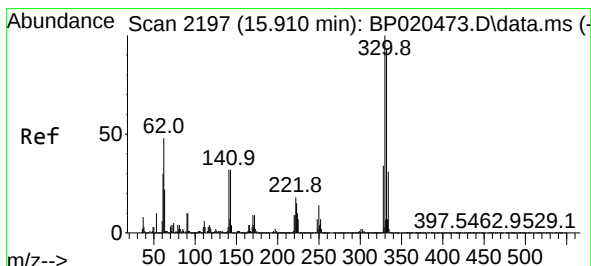
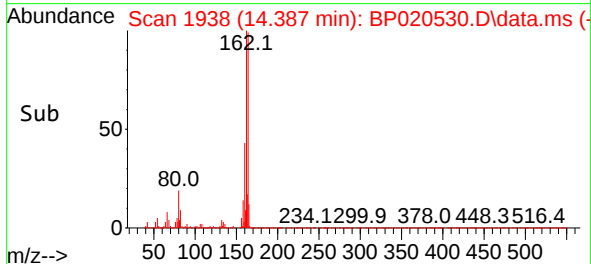
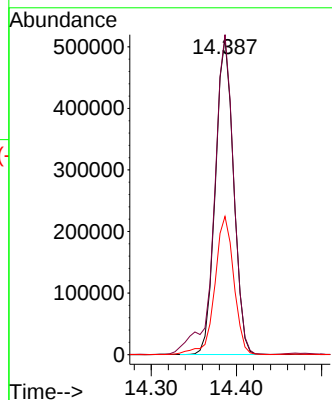
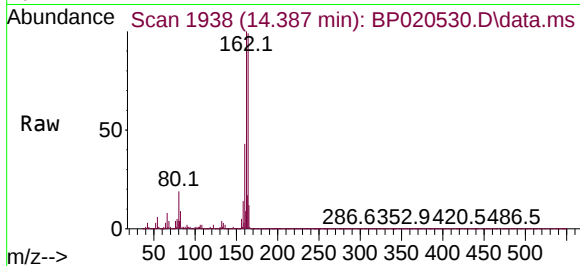




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

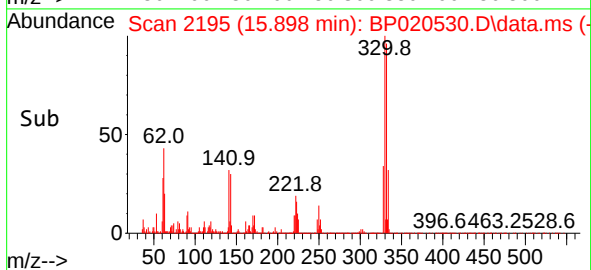
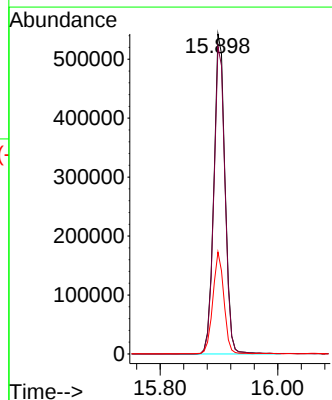
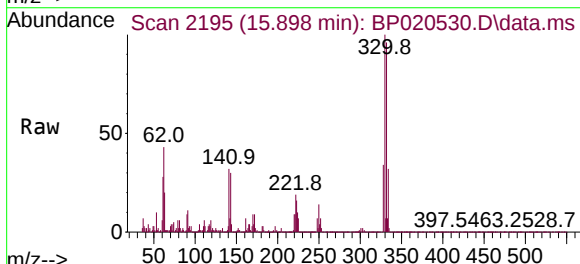
Instrument :
BNA_P
ClientSampleId :
WC-4

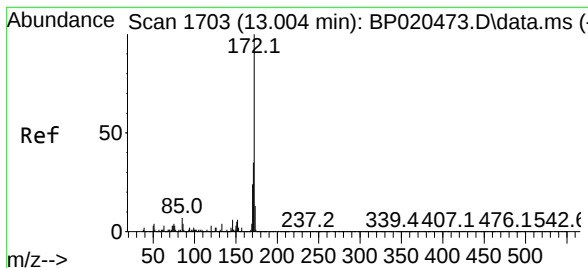
Tgt Ion:164 Resp: 758117
Ion Ratio Lower Upper
164 100
162 101.3 80.3 120.5
160 43.8 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 90.926 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

Tgt Ion:330 Resp: 715385
Ion Ratio Lower Upper
330 100
332 96.4 76.6 114.8
141 31.3 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 46.667 ng

RT: 12.998 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

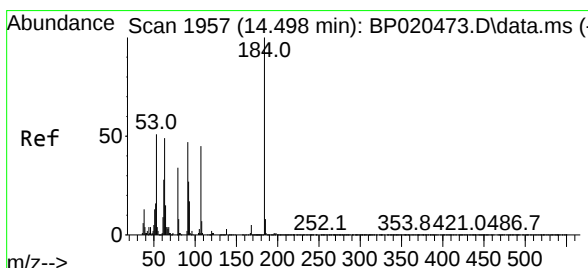
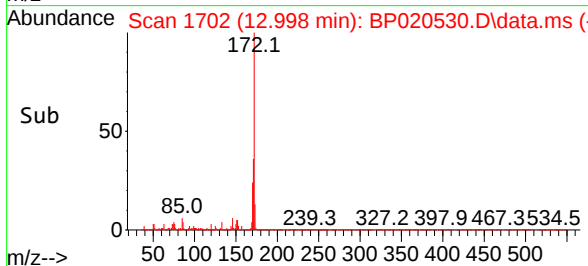
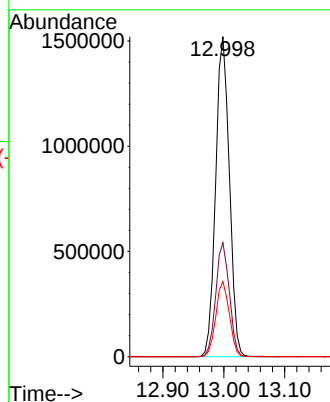
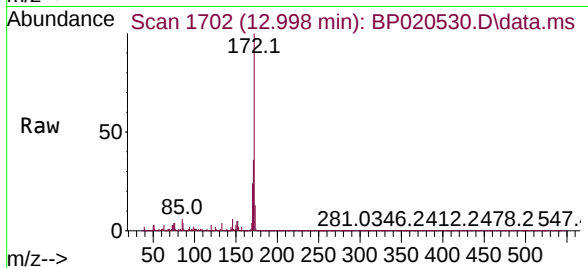
Tgt Ion:172 Resp: 2373300

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.5 18.9 28.3



#54

2,4-Dinitrophenol

Concen: 4.988 ng

RT: 14.481 min Scan# 1954

Delta R.T. -0.017 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

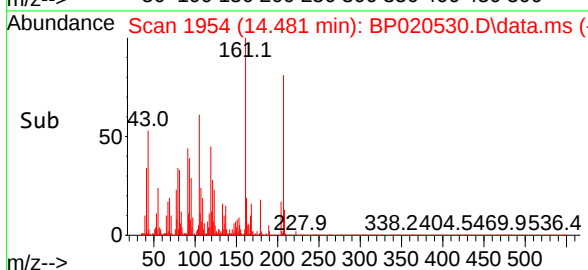
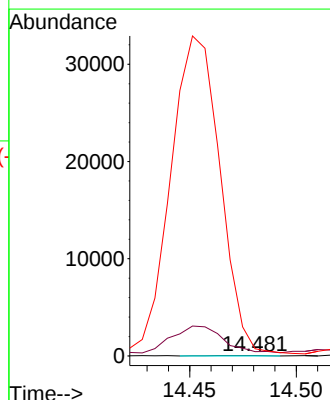
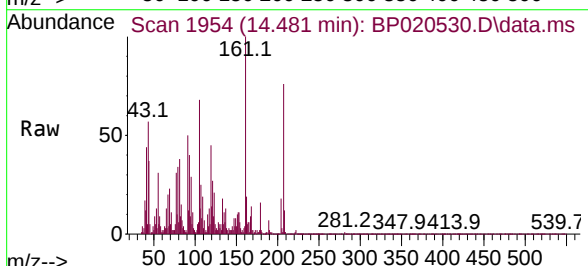
Tgt Ion:184 Resp: 58

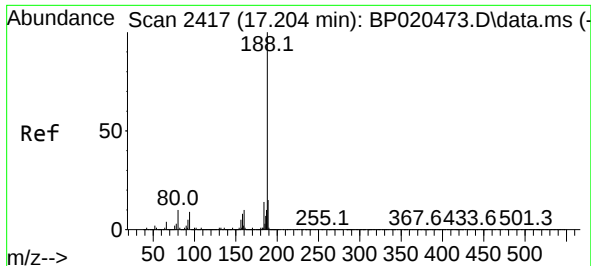
Ion Ratio Lower Upper

184 100

63 1255.6 54.2 81.4#

154 2069.4 51.0 76.6#

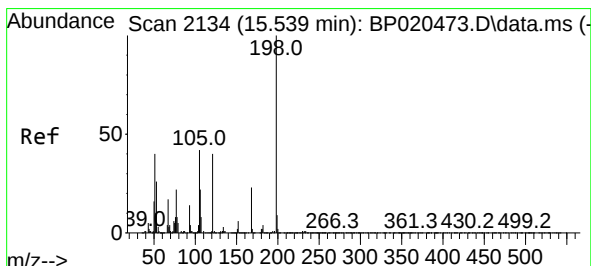
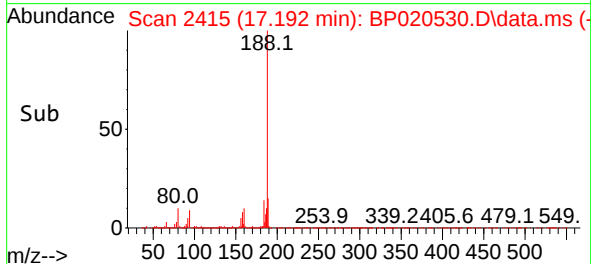
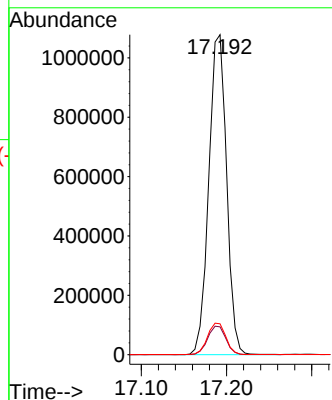
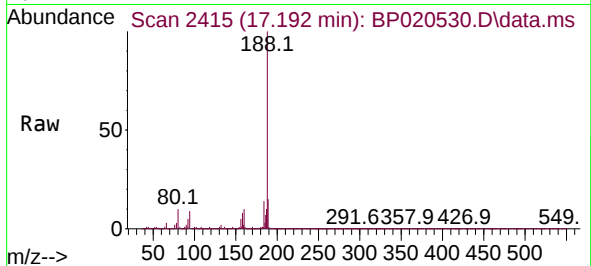




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

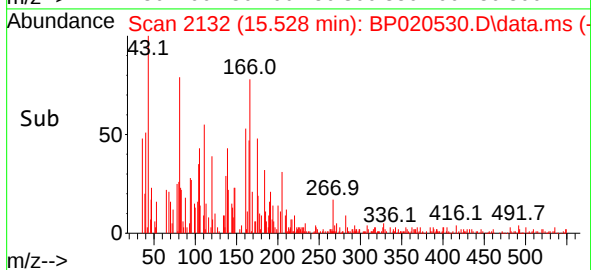
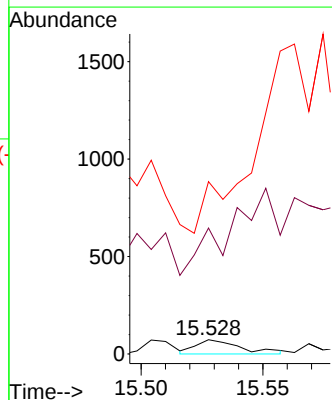
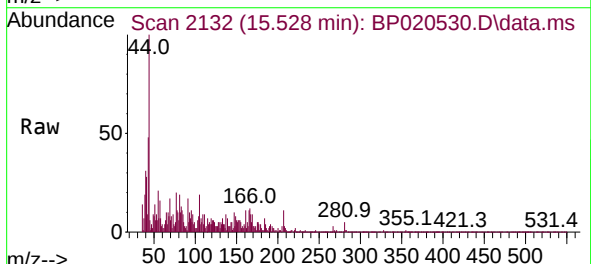
Instrument :
BNA_P
ClientSampleId :
WC-4

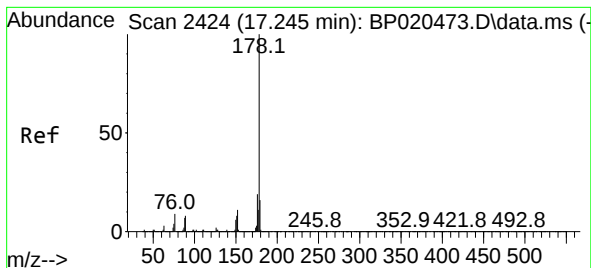
Tgt Ion:188 Resp: 1561655
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 9.7 8.1 12.1



#65
4,6-Dinitro-2-methylphenol
Concen: 7.665 ng
RT: 15.528 min Scan# 2132
Delta R.T. -0.011 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

Tgt Ion:198 Resp: 95
Ion Ratio Lower Upper
198 100
51 884.9 24.8 64.8#
105 1211.0 23.2 63.2#





#71

Phenanthrene

Concen: 14.915 ng

RT: 17.233 min Scan# 2424

Delta R.T. -0.012 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

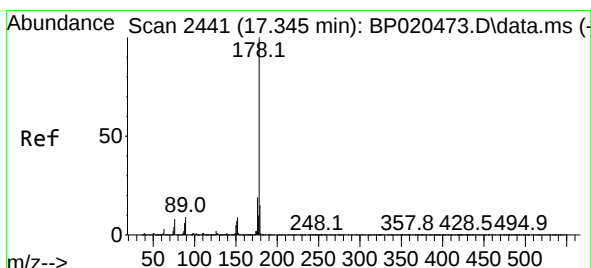
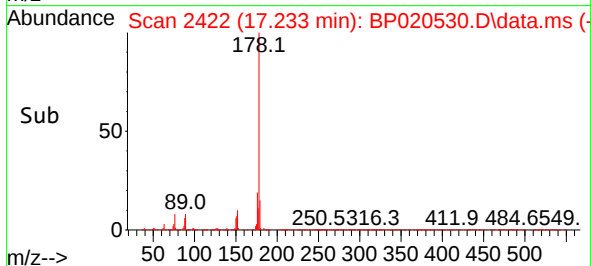
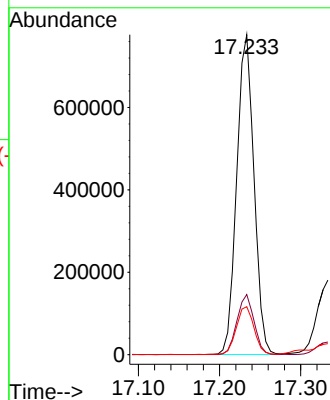
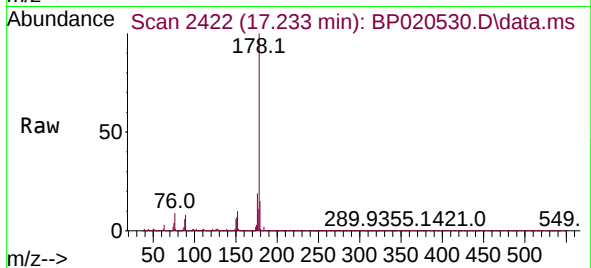
Tgt Ion:178 Resp: 1145012

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.0 12.5 18.7



#72

Anthracene

Concen: 3.885 ng

RT: 17.333 min Scan# 2439

Delta R.T. -0.012 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

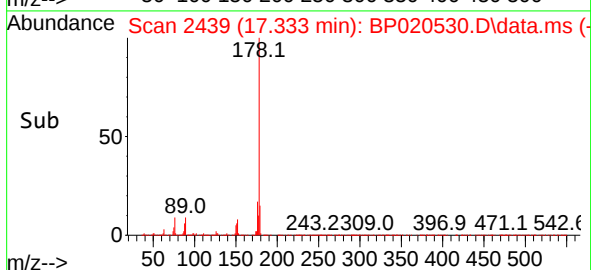
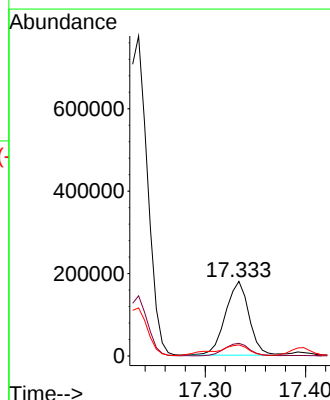
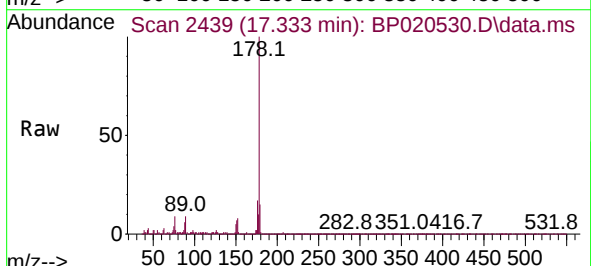
Tgt Ion:178 Resp: 292669

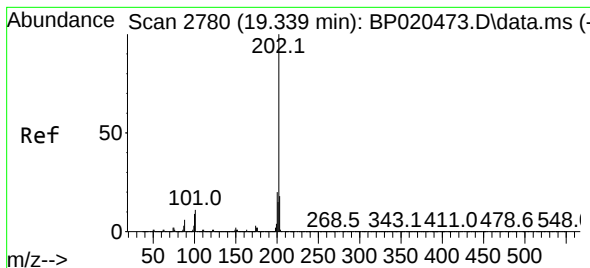
Ion Ratio Lower Upper

178 100

176 17.1 14.8 22.2

179 14.9 12.2 18.4





#75

Fluoranthene

Concen: 25.071 ng

RT: 19.322 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

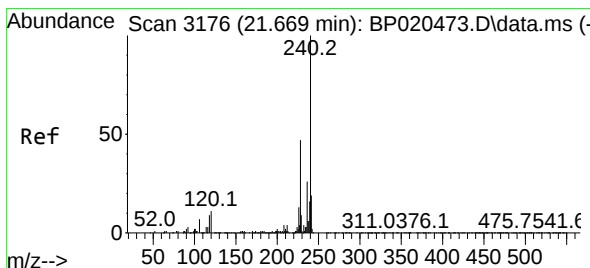
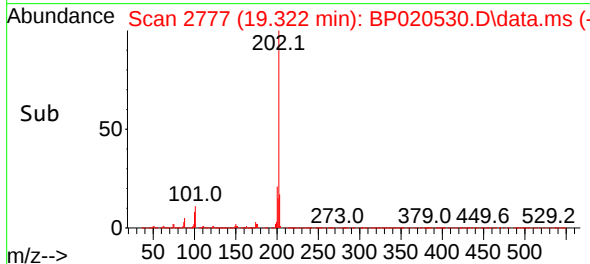
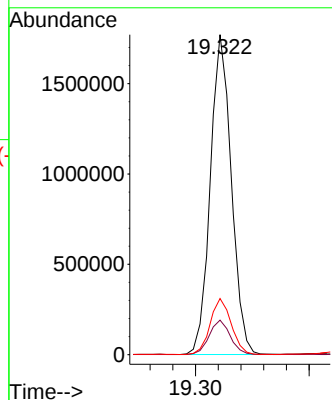
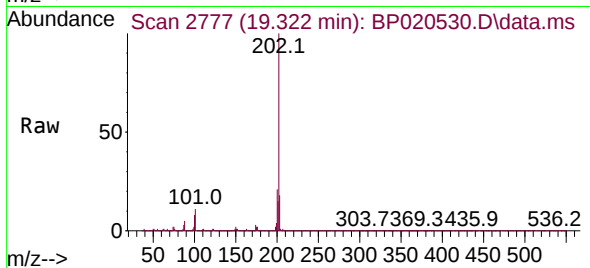
Tgt Ion:202 Resp: 2276935

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

203 17.6 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.651 min Scan# 3173

Delta R.T. -0.018 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

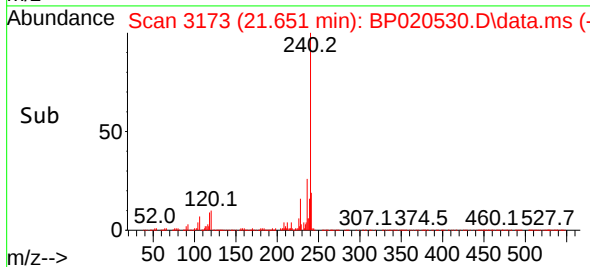
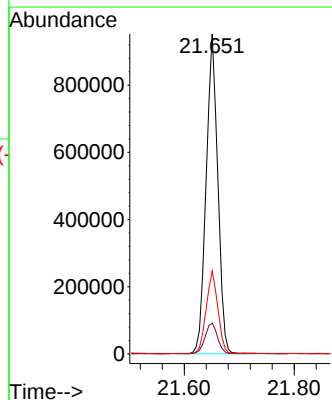
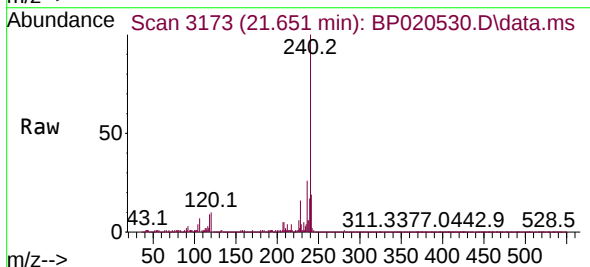
Tgt Ion:240 Resp: 1398153

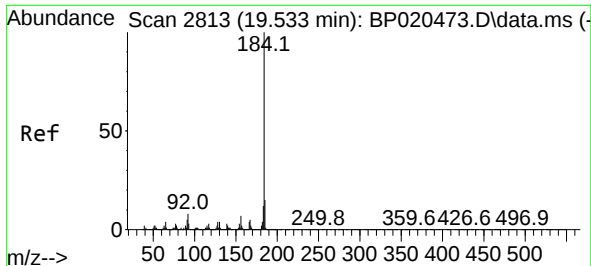
Ion Ratio Lower Upper

240 100

120 9.7 8.5 12.7

236 25.9 20.5 30.7





#77

Benzidine

Concen: 5.991 ng

RT: 19.504 min Scan# 2808

Delta R.T. -0.029 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

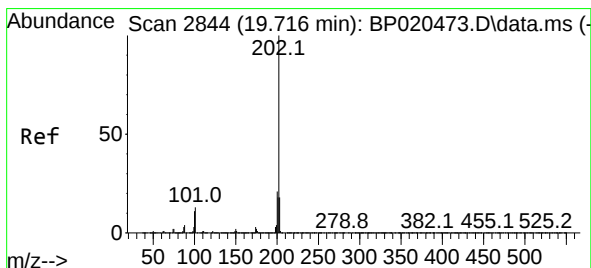
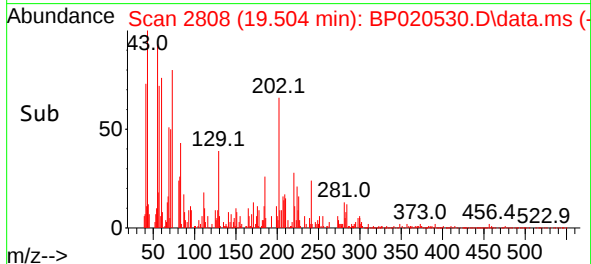
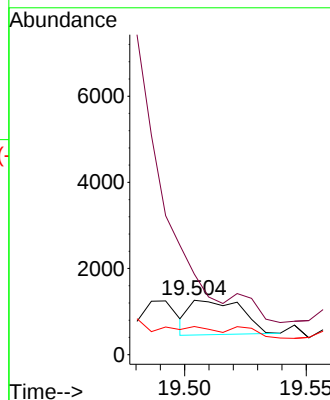
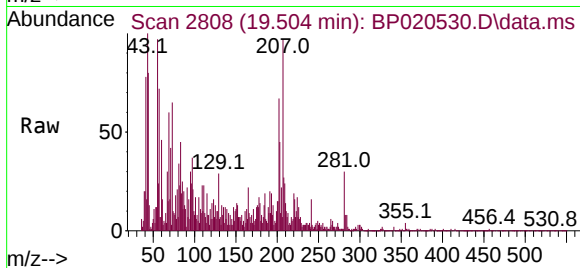
Tgt Ion:184 Resp: 1184

Ion Ratio Lower Upper

184 100

185 148.3 12.0 18.0#

183 51.8 9.4 14.0#



#78

Pyrene

Concen: 19.363 ng

RT: 19.704 min Scan# 2842

Delta R.T. -0.012 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

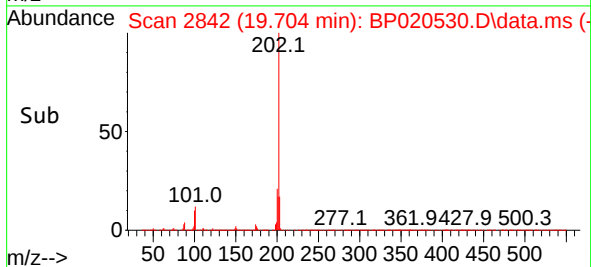
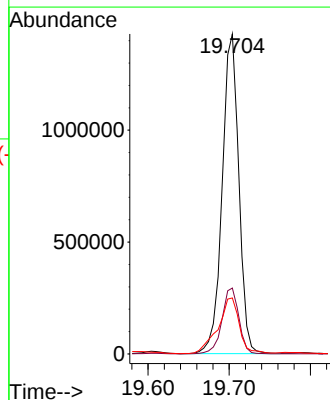
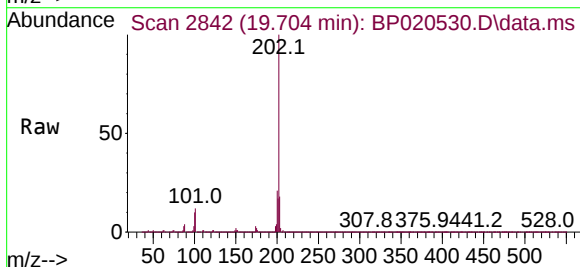
Tgt Ion:202 Resp: 2036296

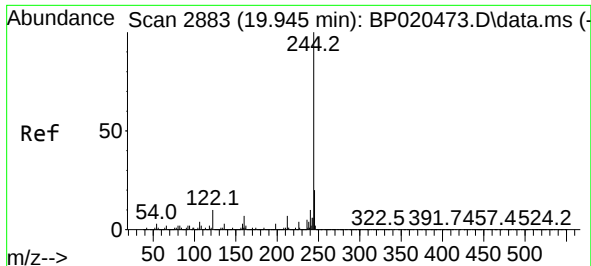
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.5 14.1 21.1

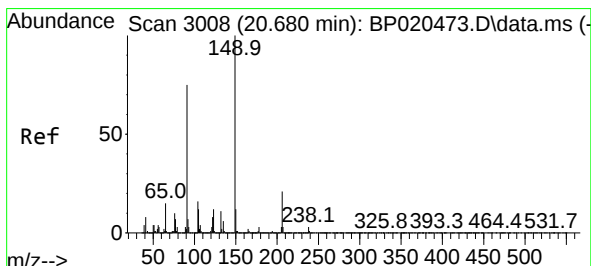
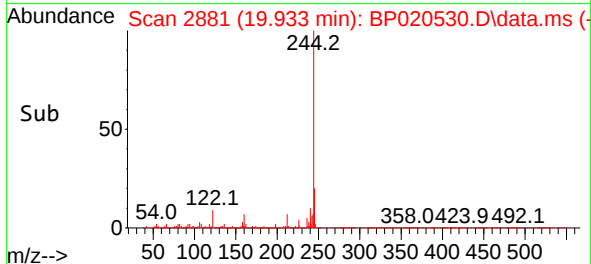
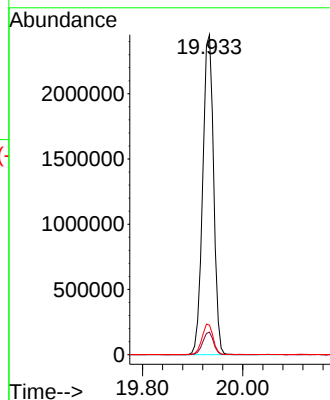
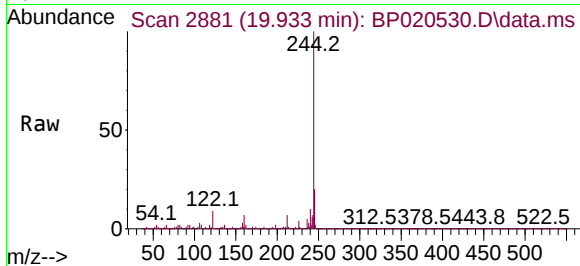




#79
 Terphenyl-d14
 Concen: 43.960 ng
 RT: 19.933 min Scan# 2881
 Delta R.T. -0.012 min
 Lab File: BP020530.D
 Acq: 06 Jun 2024 00:12

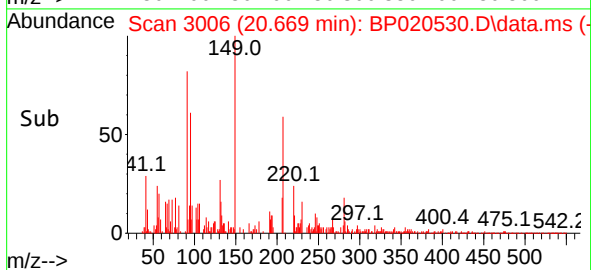
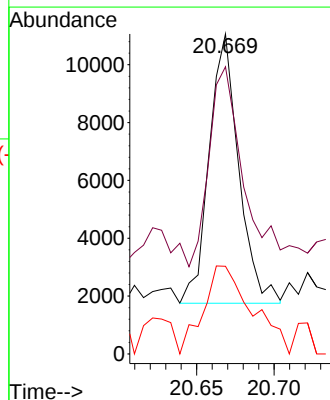
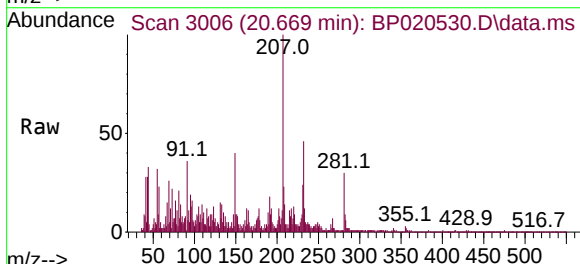
Instrument :
 BNA_P
 ClientSampleId :
 WC-4

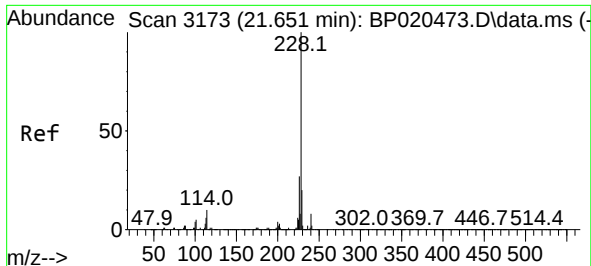
Tgt Ion:244 Resp: 3692093
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 9.2 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 2.709 ng
 RT: 20.669 min Scan# 3006
 Delta R.T. -0.011 min
 Lab File: BP020530.D
 Acq: 06 Jun 2024 00:12

Tgt Ion:149 Resp: 12397
 Ion Ratio Lower Upper
 149 100
 91 89.8 60.0 90.0
 206 27.4 16.6 25.0#

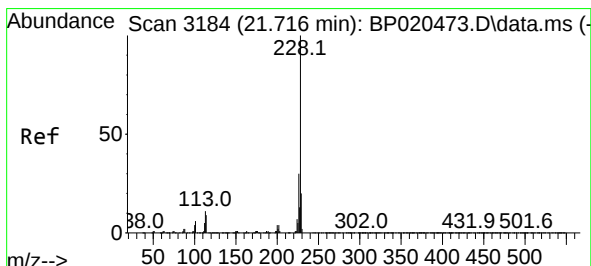
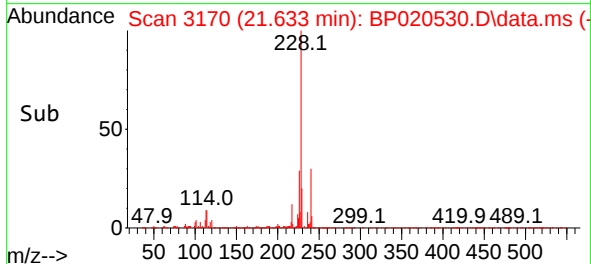
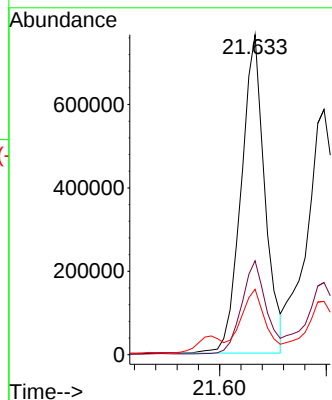
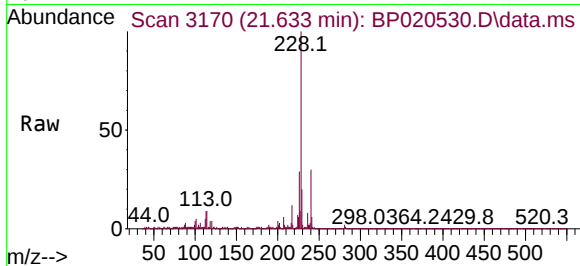




#81
Benzo(a)anthracene
Concen: 12.814 ng
RT: 21.633 min Scan# 3170
Delta R.T. -0.018 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

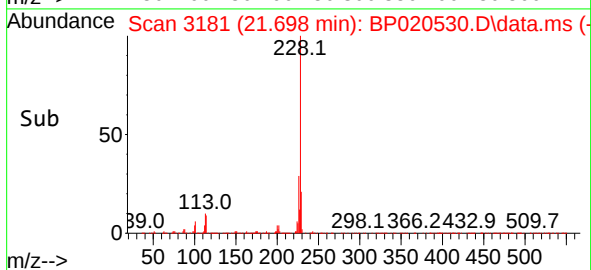
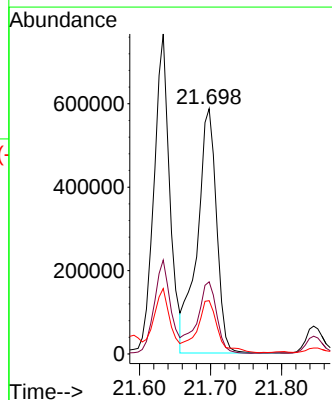
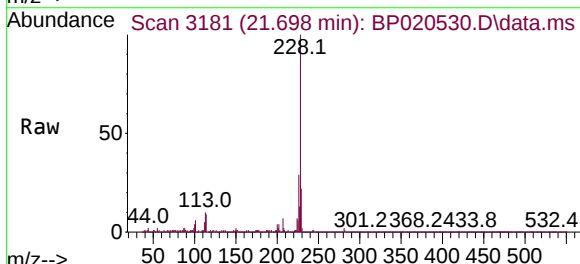
Instrument :
BNA_P
ClientSampleId :
WC-4

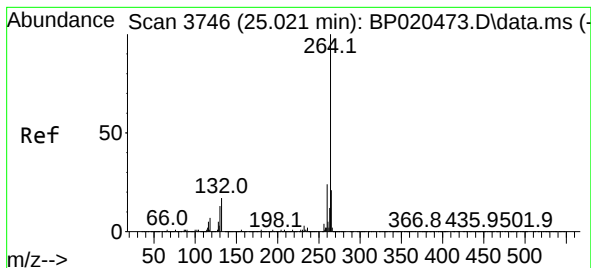
Tgt Ion:228 Resp: 1179619
Ion Ratio Lower Upper
228 100
226 29.4 21.7 32.5
229 20.4 15.8 23.6



#83
Chrysene
Concen: 12.749 ng
RT: 21.698 min Scan# 3181
Delta R.T. -0.018 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

Tgt Ion:228 Resp: 1105929
Ion Ratio Lower Upper
228 100
226 29.4 24.0 36.0
229 21.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.010 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

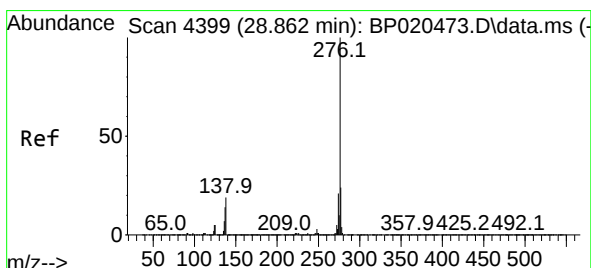
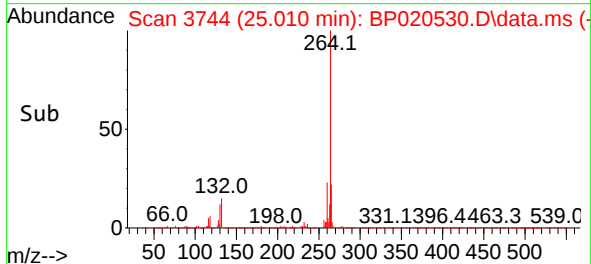
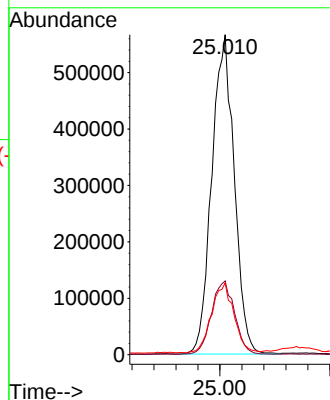
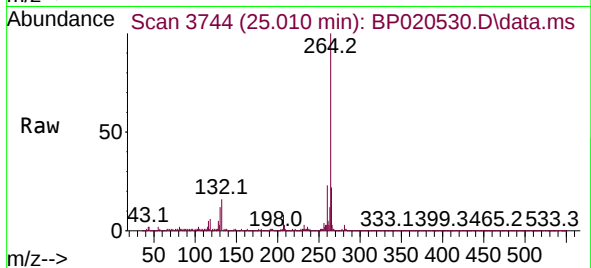
Tgt Ion:264 Resp: 1605976

Ion Ratio Lower Upper

264 100

260 23.1 18.9 28.3

265 22.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.228 ng

RT: 28.827 min Scan# 4393

Delta R.T. -0.035 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

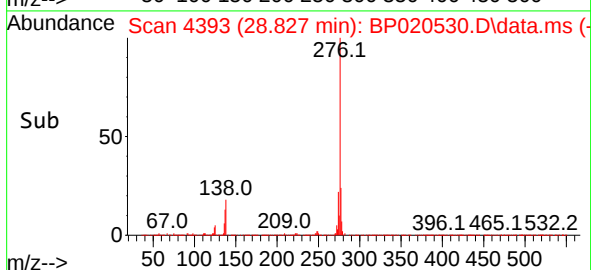
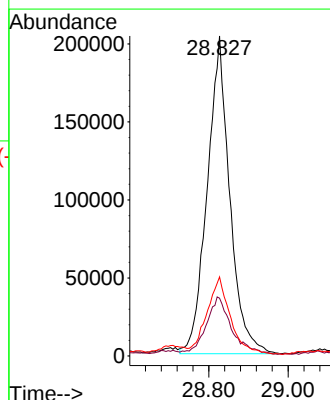
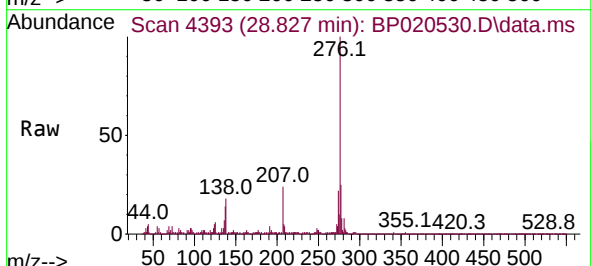
Tgt Ion:276 Resp: 803547

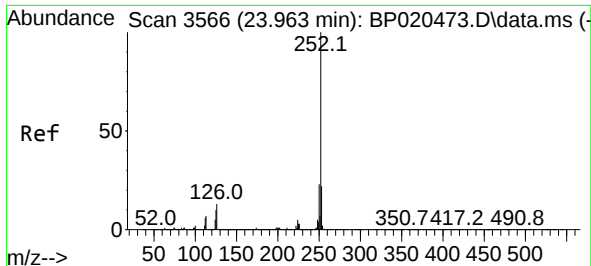
Ion Ratio Lower Upper

276 100

138 20.3 12.8 19.2#

277 25.1 15.6 23.4#

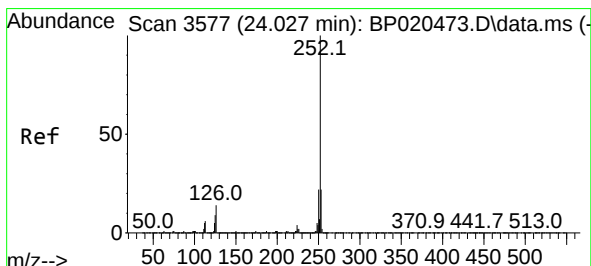
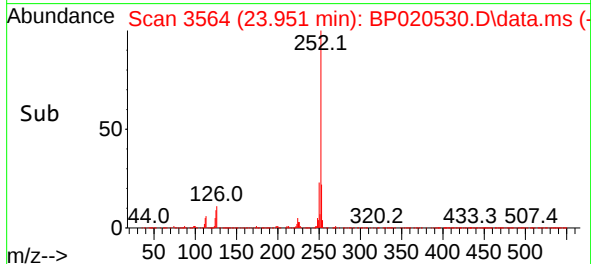
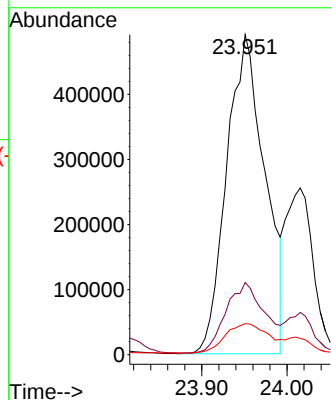
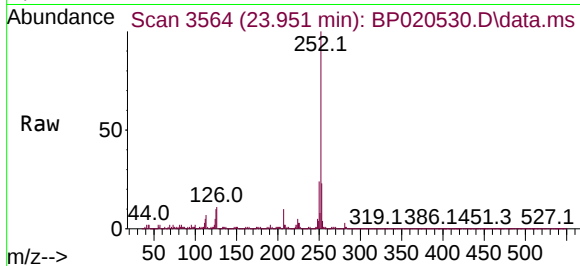




#88
Benzo(b)fluoranthene
Concen: 15.314 ng
RT: 23.951 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

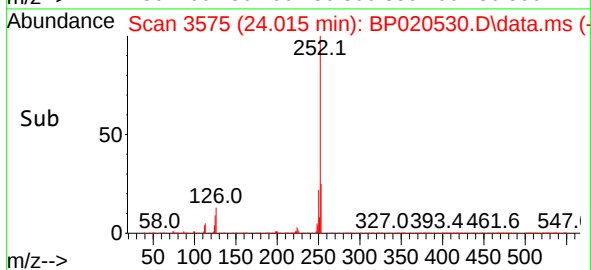
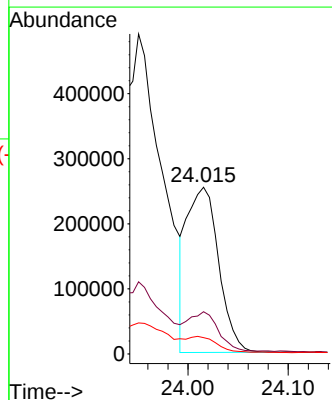
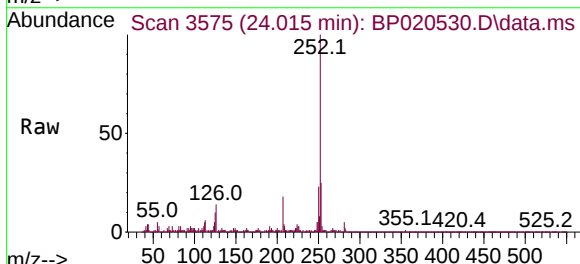
Instrument :
BNA_P
ClientSampleId :
WC-4

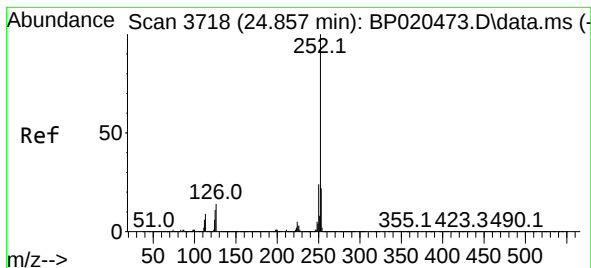
Tgt Ion:252 Resp: 1532139
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 9.7 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 5.718 ng
RT: 24.015 min Scan# 3575
Delta R.T. -0.012 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

Tgt Ion:252 Resp: 557999
Ion Ratio Lower Upper
252 100
253 25.3 17.7 26.5
125 9.8 7.8 11.6





#90

Benzo(a)pyrene

Concen: 13.684 ng

RT: 24.851 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

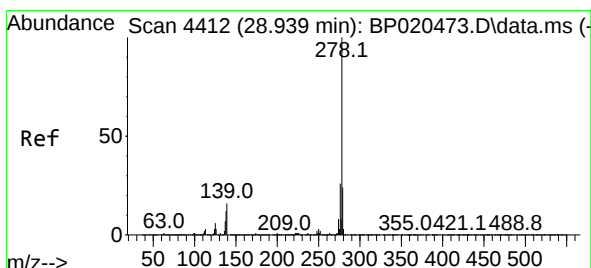
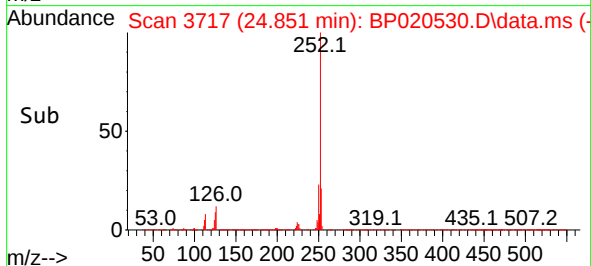
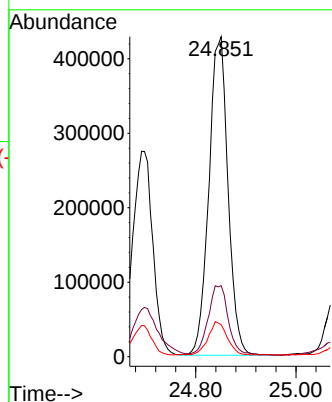
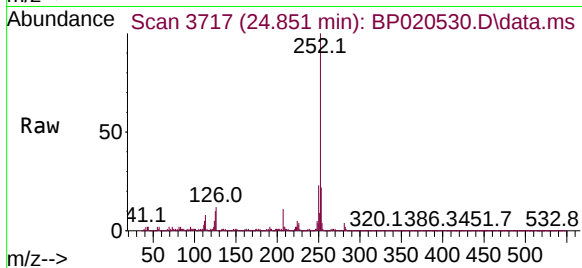
Tgt Ion:252 Resp: 1133823

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 10.0 8.9 13.3



#91

Dibenzo(a,h)anthracene

Concen: 2.455 ng

RT: 28.898 min Scan# 4405

Delta R.T. -0.041 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

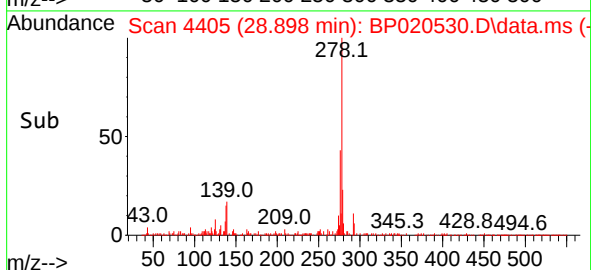
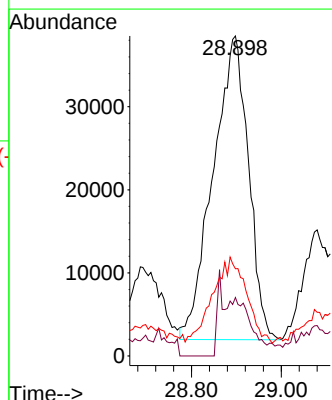
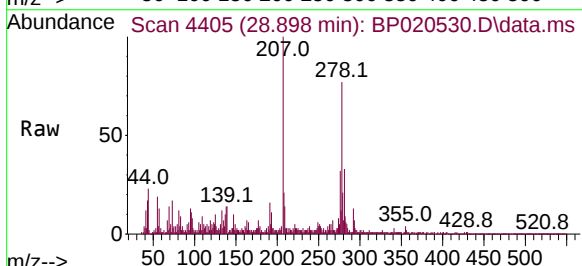
Tgt Ion:278 Resp: 199940

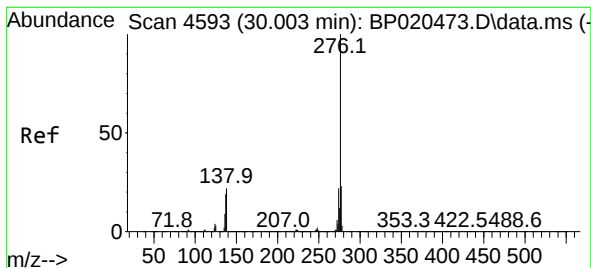
Ion Ratio Lower Upper

278 100

139 18.2 13.0 19.4

279 27.2 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 9.393 ng

RT: 29.980 min Scan# 4589

Delta R.T. -0.024 min

Lab File: BP020530.D

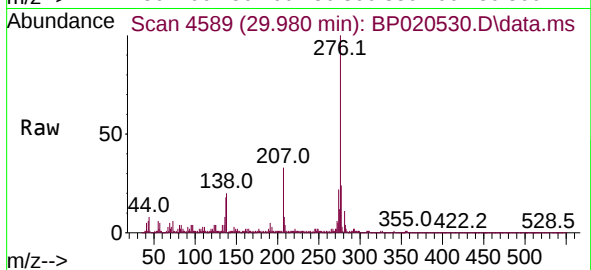
Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4



Tgt Ion:276 Resp: 764731

Ion Ratio Lower Upper

276 100

277 24.2 18.7 28.1

138 19.5 17.7 26.5

