

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060524\
 Data File : BP020531.D
 Acq On : 06 Jun 2024 00:57
 Operator : MA/JU
 Sample : P2683-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-5

Quant Time: Jun 06 02:23:56 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)

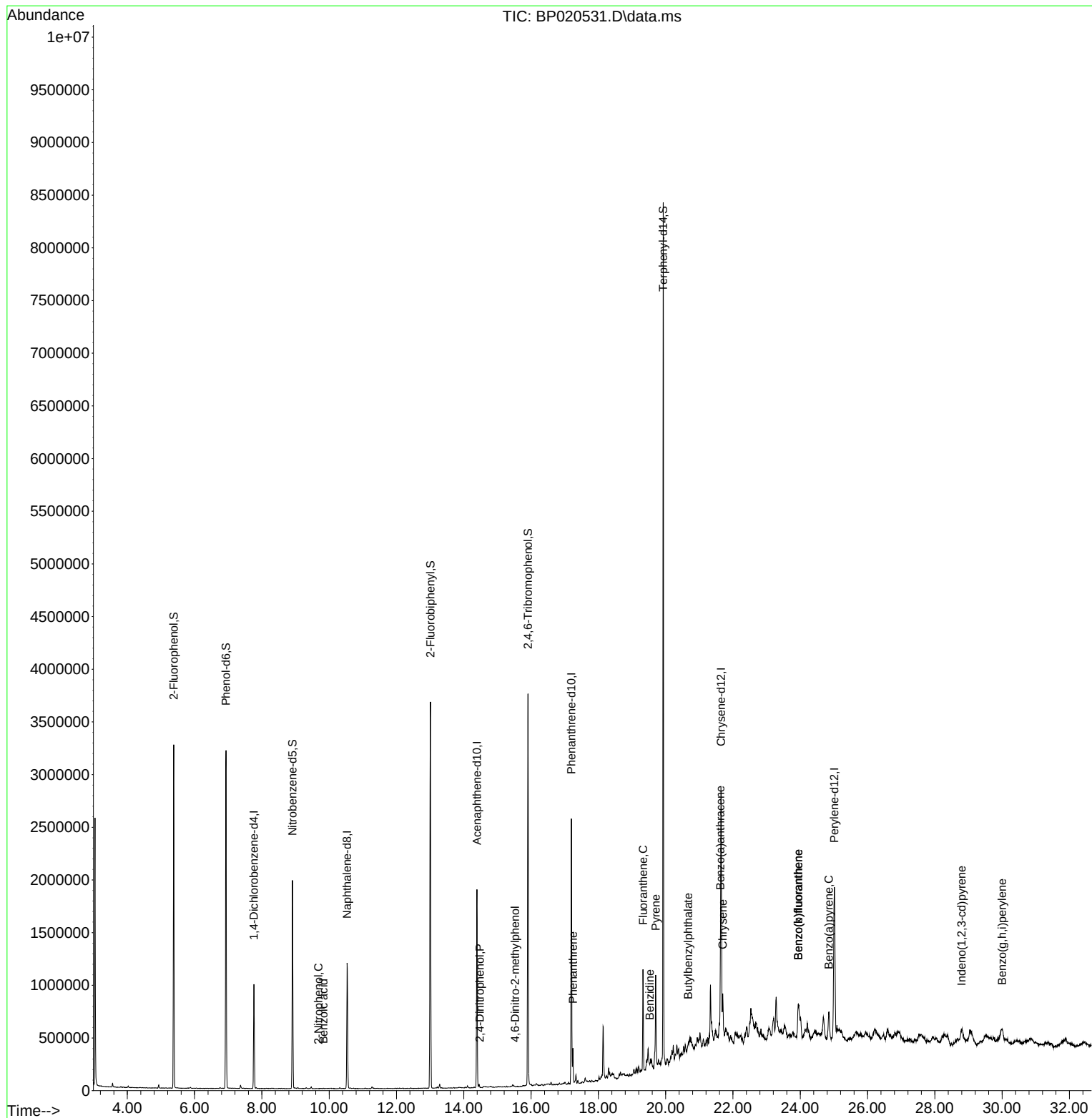
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	280722	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1077540	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	695255	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	1517697	20.000	ng	0.00
76) Chrysene-d12	21.645	240	1416477	20.000	ng	-0.02
86) Perylene-d12	25.015	264	1622237	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1360212	86.755	ng	0.00
7) Phenol-d6	6.934	99	1789434	80.929	ng	0.00
23) Nitrobenzene-d5	8.910	82	1089890	55.367	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	761580	105.549	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	2169131	46.509	ng	0.00
79) Terphenyl-d14	19.927	244	3676798	43.212	ng	-0.02
Target Compounds						Qvalue
26) 2-Nitrophenol	9.681	139	48	3.797	ng	# 1
32) Benzoic acid	9.828	122	67	6.853	ng	# 33
54) 2,4-Dinitrophenol	14.475	184	107	5.003	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.522	198	57	7.660	ng	# 1
71) Phenanthrene	17.245	178	214231	2.872	ng	99
75) Fluoranthene	19.327	202	608148	6.890	ng	99
77) Benzidine	19.527	184	393	5.977	ng	# 1
78) Pyrene	19.704	202	547227	5.136	ng	99
80) Butylbenzylphthalate	20.669	149	5593	2.555	ng	# 70
81) Benzo(a)anthracene	21.627	228	301830	3.236	ng	98
83) Chrysene	21.698	228	300530	3.420	ng	97
87) Indeno(1,2,3-cd)pyrene	28.797	276	207846	2.107	ng	# 88
88) Benzo(b)fluoranthene	23.939	252	410959	4.066	ng	98
89) Benzo(k)fluoranthene	23.939	252	410959	4.169	ng	97
90) Benzo(a)pyrene	24.851	252	290469	3.470	ng	96
92) Benzo(g,h,i)perylene	30.003	276	200192	2.434	ng	97

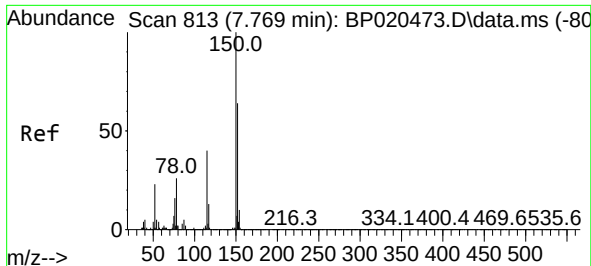
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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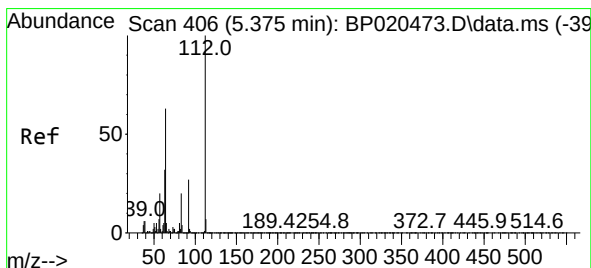
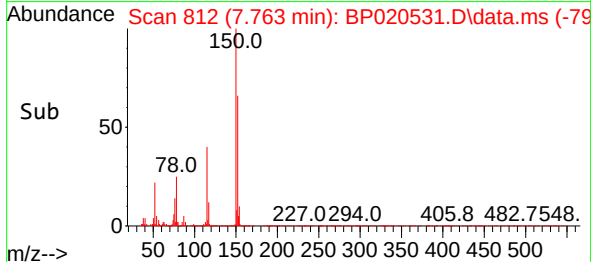
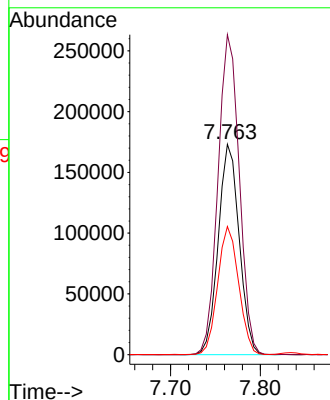
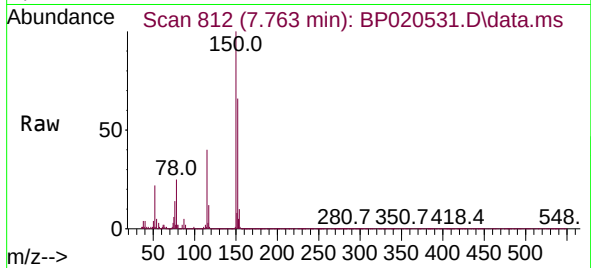




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

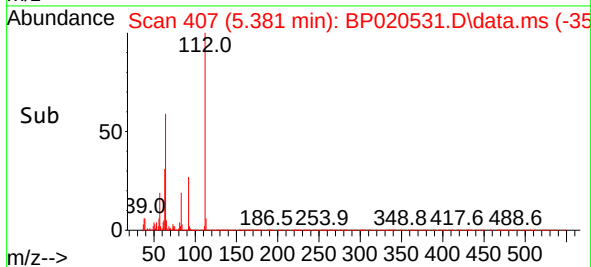
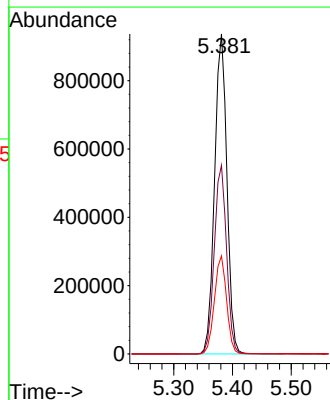
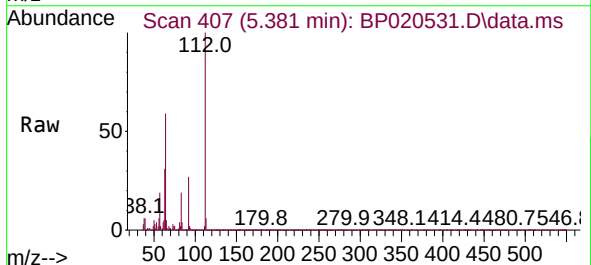
Instrument :
BNA_P
ClientSampleId :
WC-5

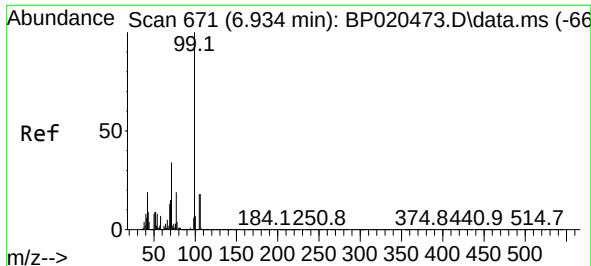
Tgt Ion:152 Resp: 280722
Ion Ratio Lower Upper
152 100
150 152.0 124.2 186.2
115 60.9 49.5 74.3



#5
2-Fluorophenol
Concen: 86.755 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion:112 Resp: 1360212
Ion Ratio Lower Upper
112 100
64 58.9 50.1 75.1
63 30.7 25.7 38.5



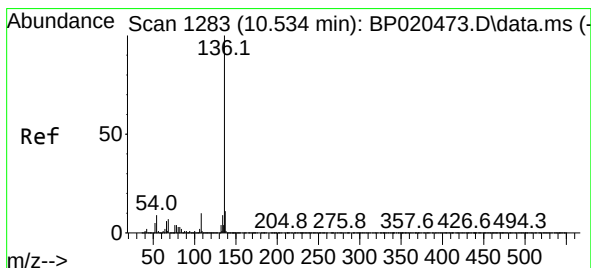
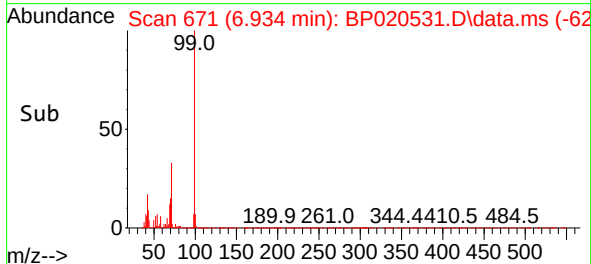
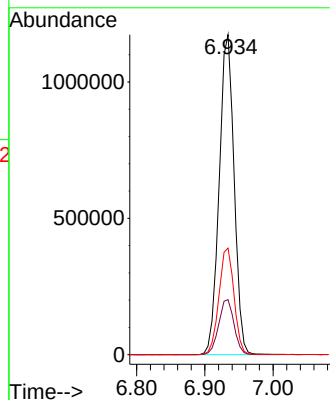
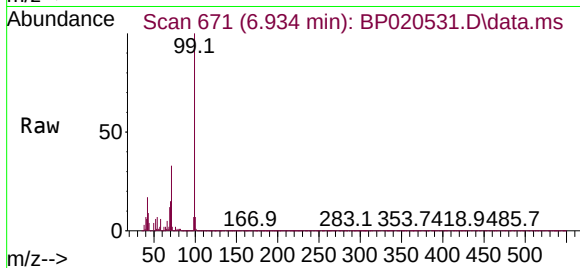


#7
Phenol-d6
Concen: 80.929 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Instrument :
BNA_P
ClientSampleId :
WC-5

Tgt Ion: 99 Resp: 1789434

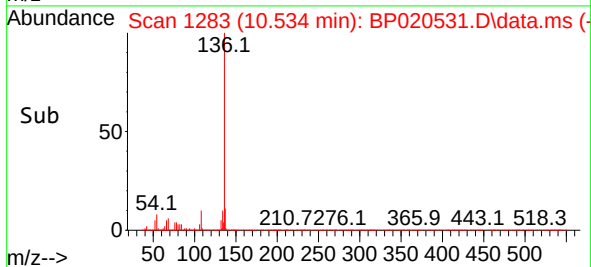
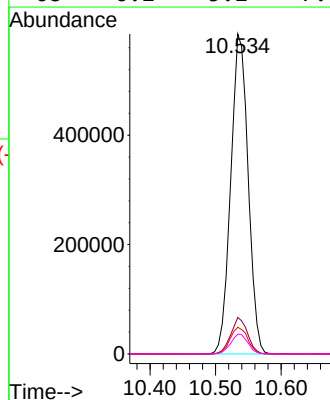
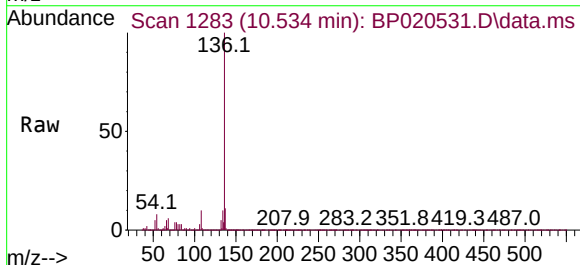
Ion	Ratio	Lower	Upper
99	100		
42	17.2	15.0	22.4
71	33.3	27.3	40.9

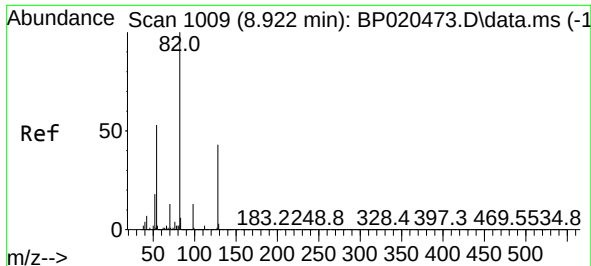


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. -0.000 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion: 136 Resp: 1077540

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	8.3	7.4	11.0
68	6.2	5.2	7.8





#23

Nitrobenzene-d5

Concen: 55.367 ng

RT: 8.910 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

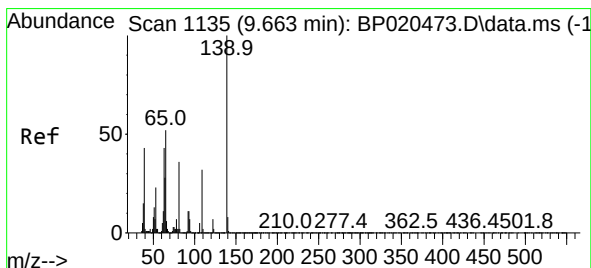
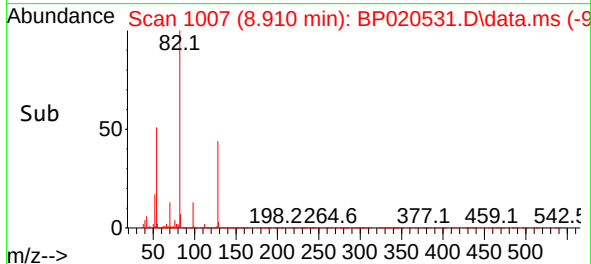
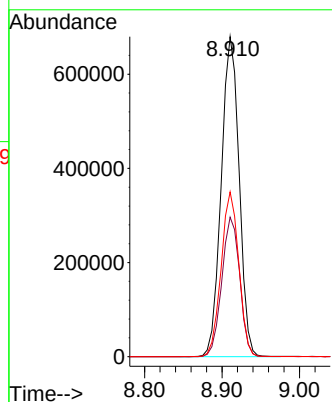
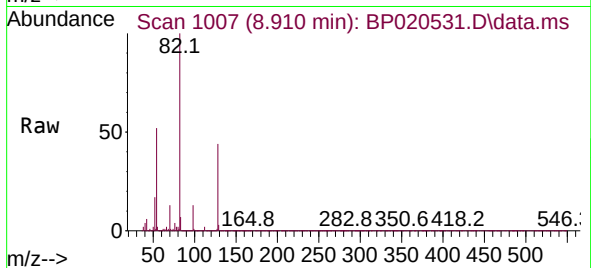
Tgt Ion: 82 Resp: 1089890

Ion Ratio Lower Upper

82 100

128 43.6 34.2 51.4

54 51.5 42.7 64.1



#26

2-Nitrophenol

Concen: 3.797 ng

RT: 9.681 min Scan# 1138

Delta R.T. 0.018 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

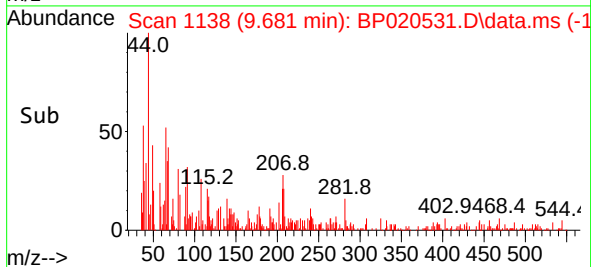
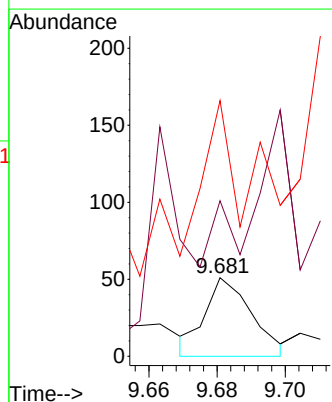
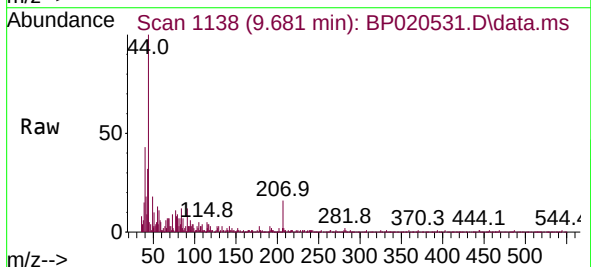
Tgt Ion:139 Resp: 48

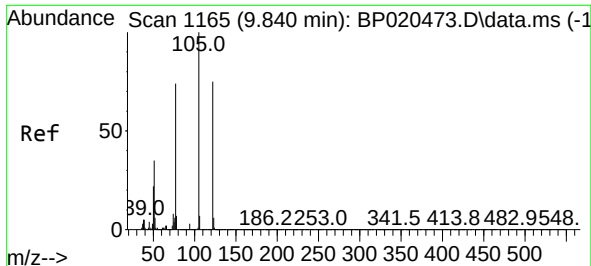
Ion Ratio Lower Upper

139 100

109 198.0 25.8 38.8#

65 325.5 41.8 62.8#

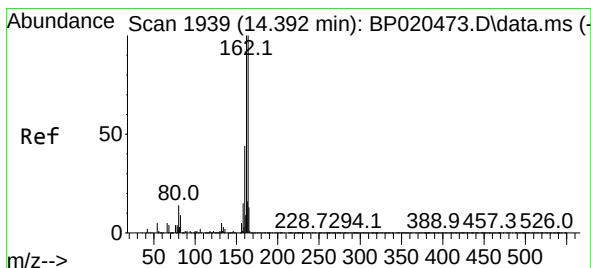
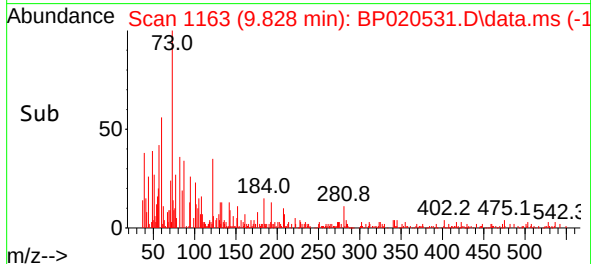
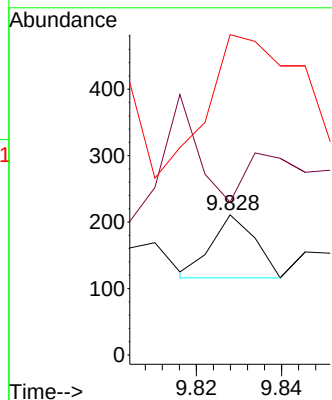
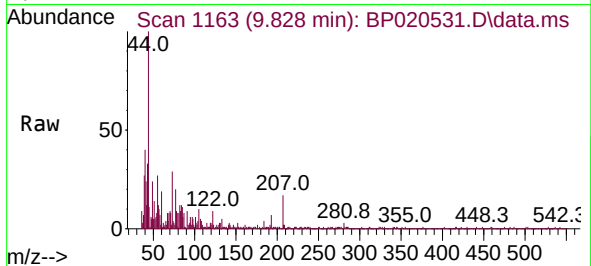




#32
Benzoic acid
Concen: 6.853 ng
RT: 9.828 min Scan# 1163
Delta R.T. -0.012 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

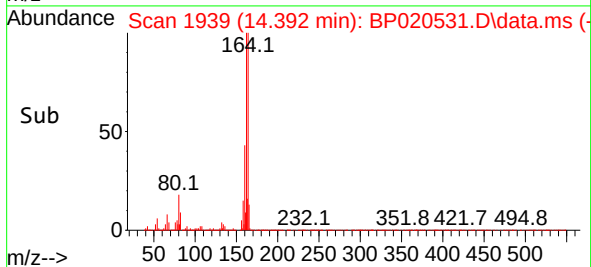
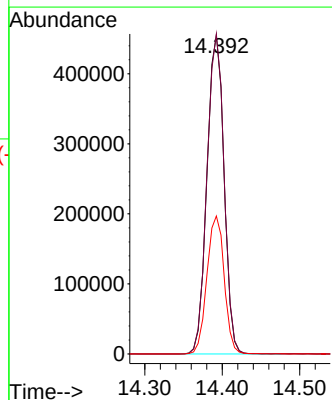
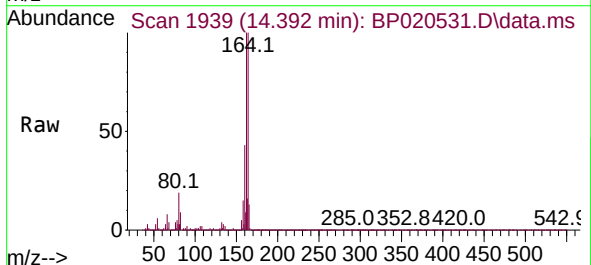
Instrument :
BNA_P
ClientSampleId :
WC-5

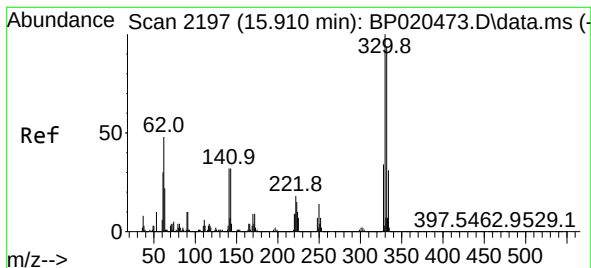
Tgt Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 109.0 107.5 147.5
77 228.4 76.1 116.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion:164 Resp: 695255
Ion Ratio Lower Upper
164 100
162 100.5 80.3 120.5
160 43.3 35.4 53.2

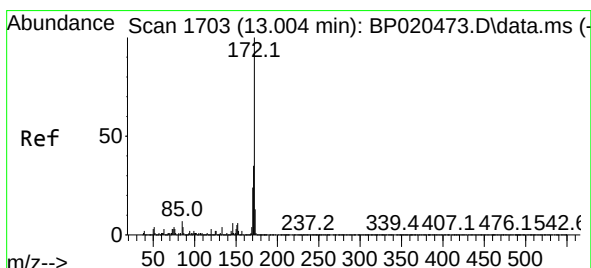
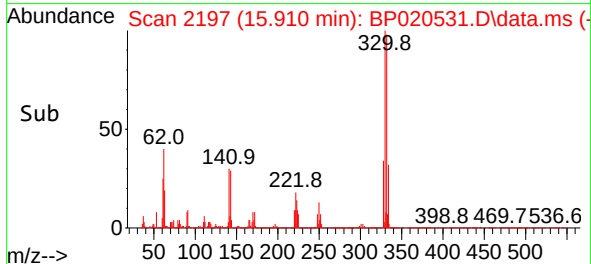
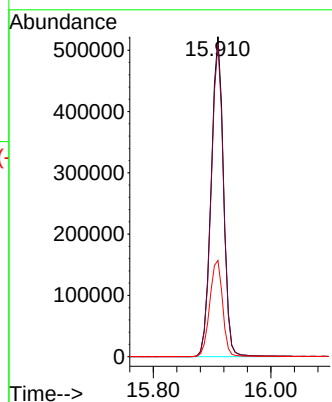
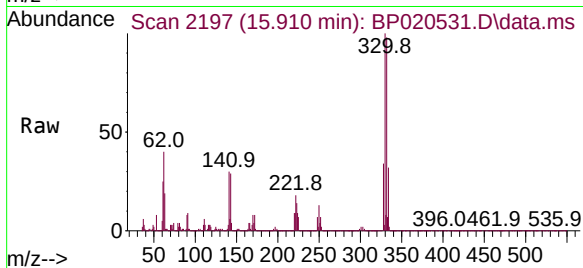




#42
2,4,6-Tribromophenol
Concen: 105.549 ng
RT: 15.910 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

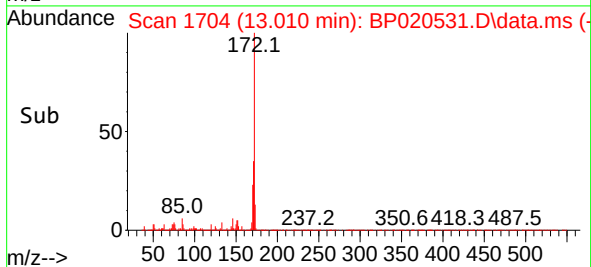
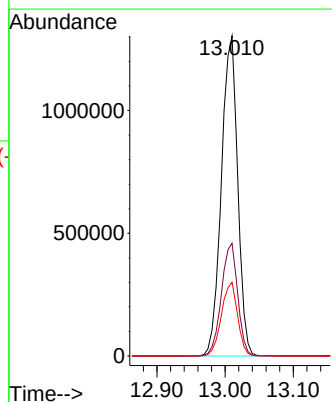
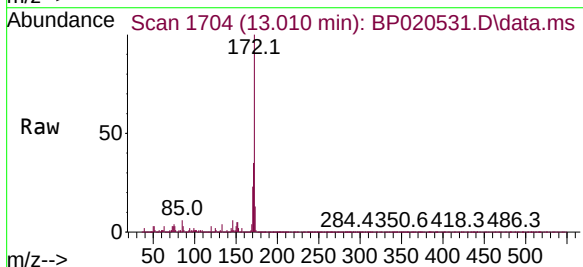
Instrument :
BNA_P
ClientSampleId :
WC-5

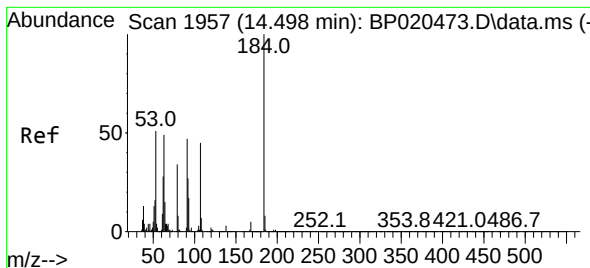
Tgt Ion:330 Resp: 761580
Ion Ratio Lower Upper
330 100
332 97.3 76.6 114.8
141 31.2 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 46.509 ng
RT: 13.010 min Scan# 1704
Delta R.T. 0.006 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion:172 Resp: 2169131
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.0 18.9 28.3





#54

2,4-Dinitrophenol

Concen: 5.003 ng

RT: 14.475 min Scan# 1953

Delta R.T. -0.023 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

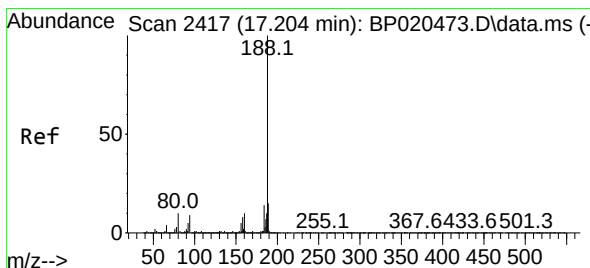
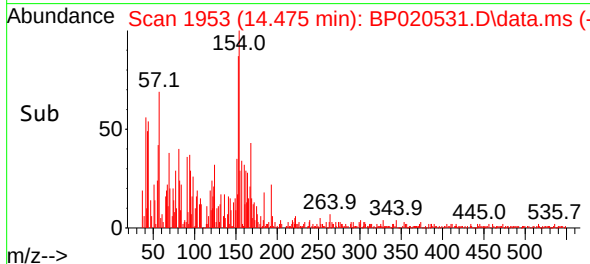
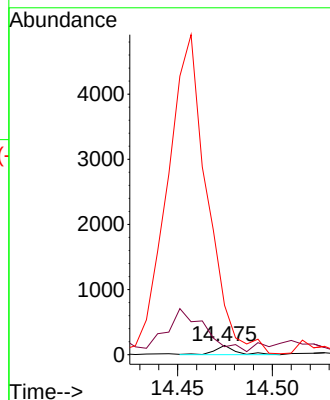
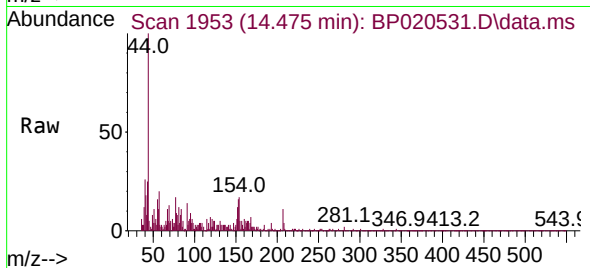
Tgt Ion:184 Resp: 107

Ion Ratio Lower Upper

184 100

63 87.3 54.2 81.4#

154 534.5 51.0 76.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

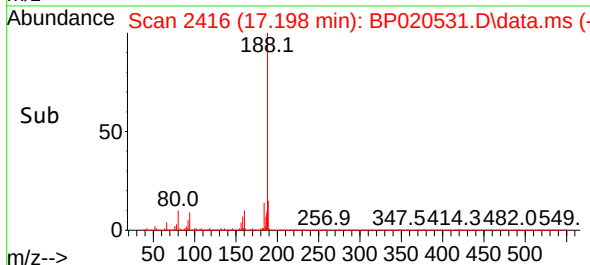
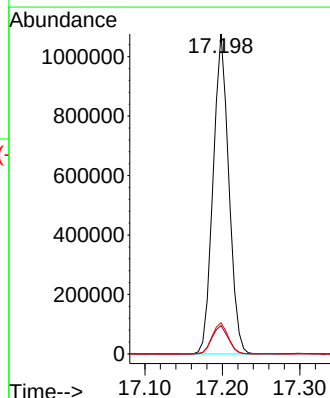
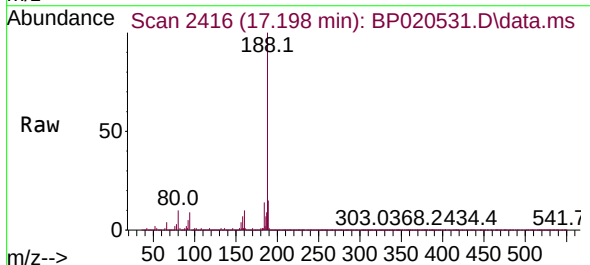
Tgt Ion:188 Resp: 1517697

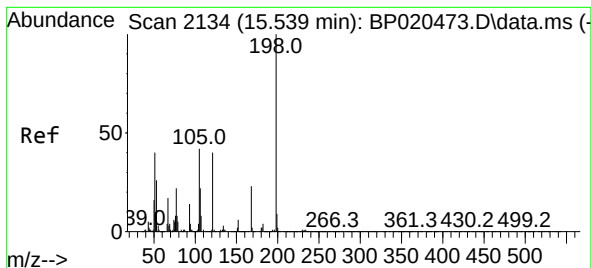
Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

80 9.8 8.1 12.1

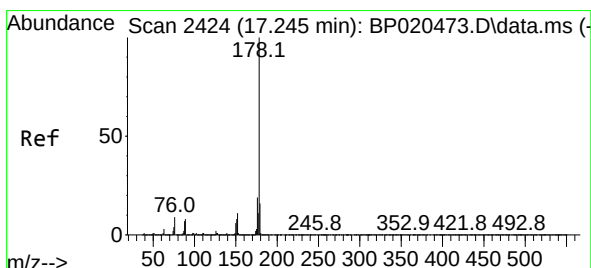
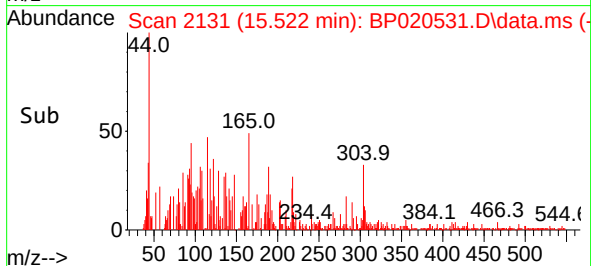
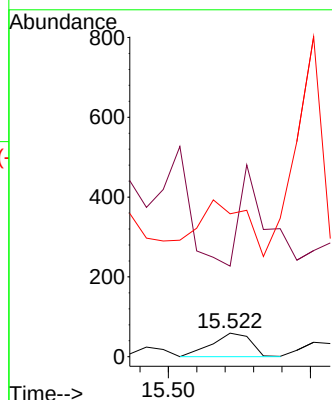
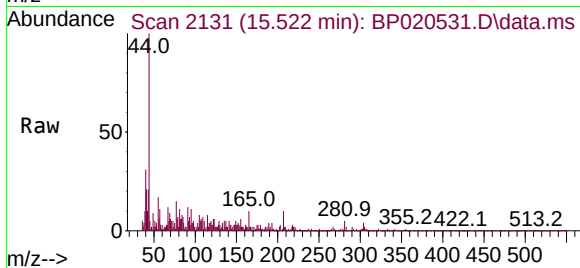




#65
4,6-Dinitro-2-methylphenol
Concen: 7.660 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.017 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

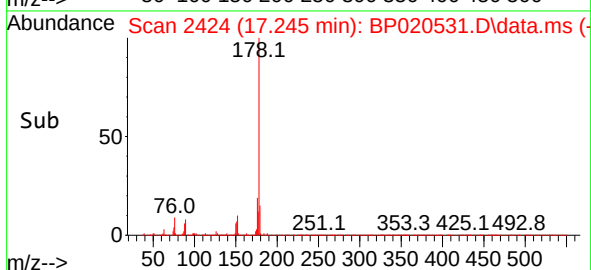
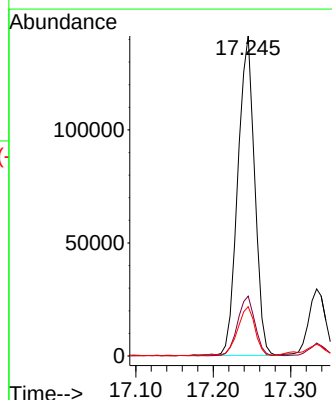
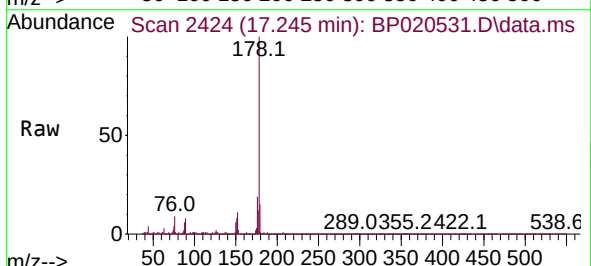
Instrument :
BNA_P
ClientSampleId :
WC-5

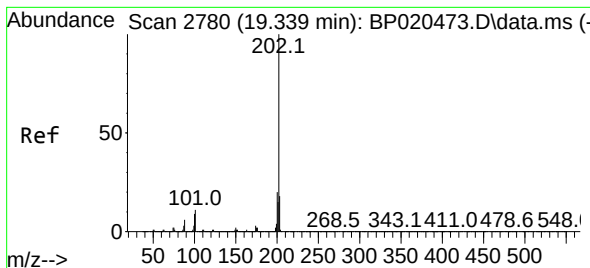
Tgt Ion:198 Resp: 57
Ion Ratio Lower Upper
198 100
51 384.7 24.8 64.8#
105 606.8 23.2 63.2#



#71
Phenanthrene
Concen: 2.872 ng
RT: 17.245 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion:178 Resp: 214231
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.4 12.5 18.7





#75

Fluoranthene

Concen: 6.890 ng

RT: 19.327 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

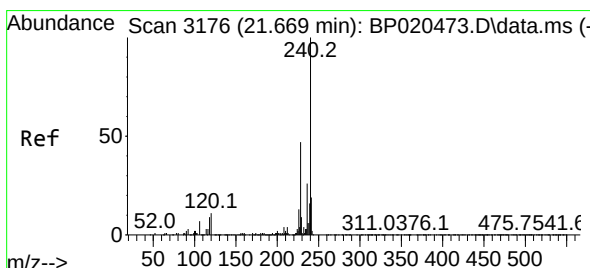
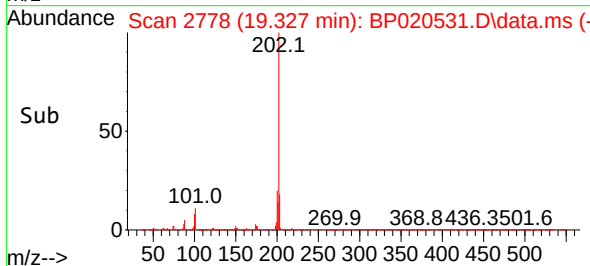
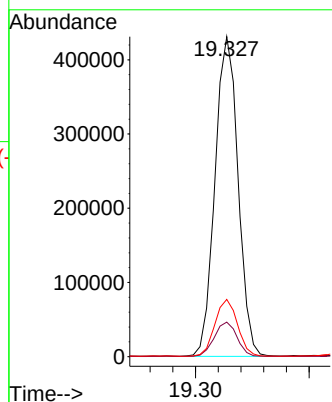
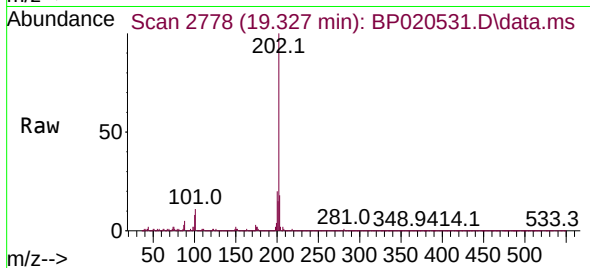
Tgt Ion:202 Resp: 608148

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

203 17.9 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.645 min Scan# 3172

Delta R.T. -0.024 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

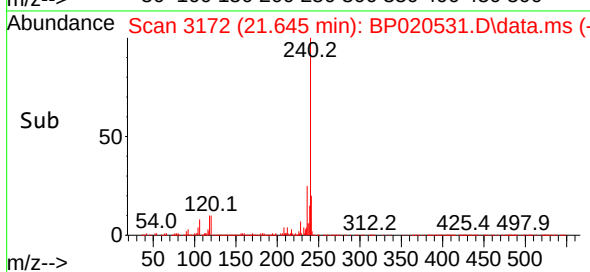
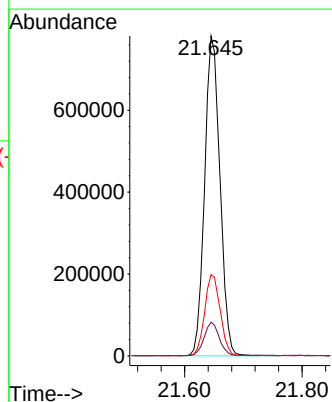
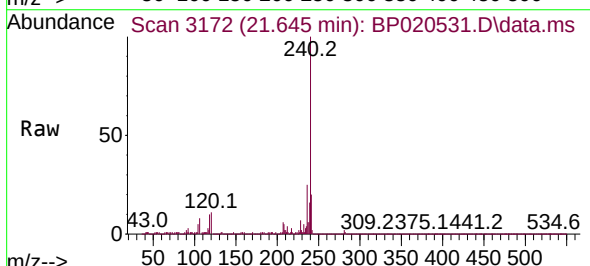
Tgt Ion:240 Resp: 1416477

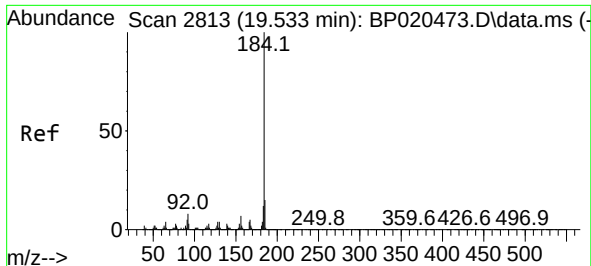
Ion Ratio Lower Upper

240 100

120 10.5 8.5 12.7

236 25.4 20.5 30.7





#77

Benzidine

Concen: 5.977 ng

RT: 19.527 min Scan# 2813

Delta R.T. -0.006 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

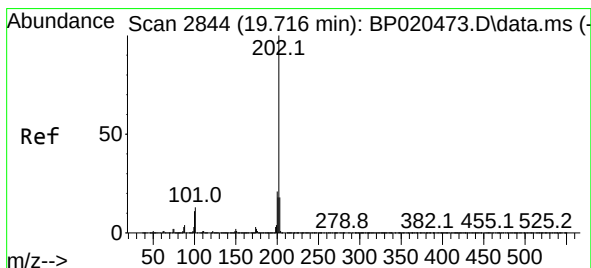
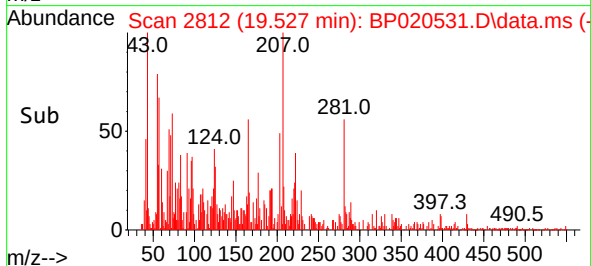
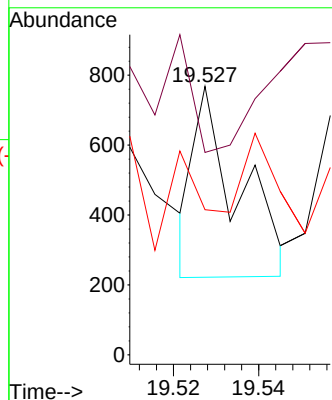
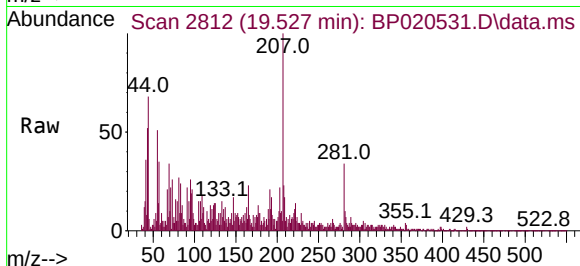
Tgt Ion:184 Resp: 393

Ion Ratio Lower Upper

184 100

185 75.4 12.0 18.0#

183 54.0 9.4 14.0#



#78

Pyrene

Concen: 5.136 ng

RT: 19.704 min Scan# 2842

Delta R.T. -0.012 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

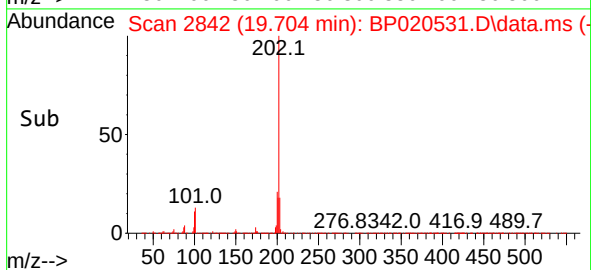
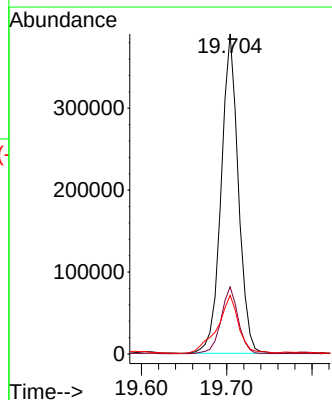
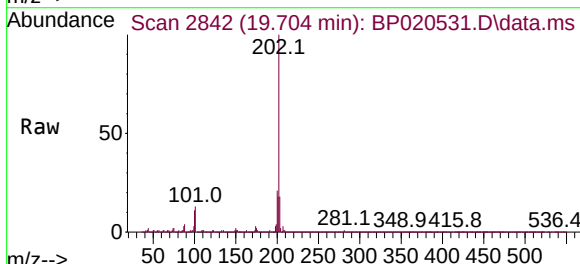
Tgt Ion:202 Resp: 547227

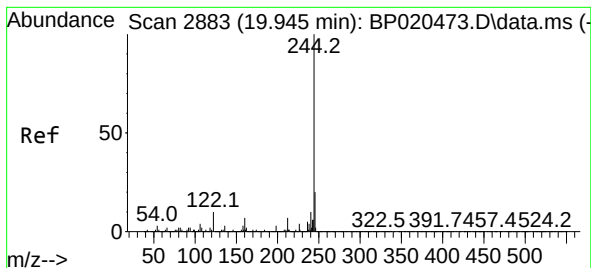
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 18.3 14.1 21.1





#79

Terphenyl-d14

Concen: 43.212 ng

RT: 19.927 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

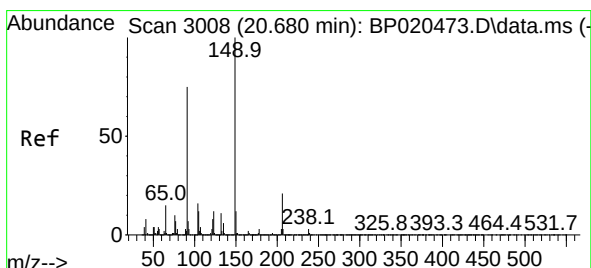
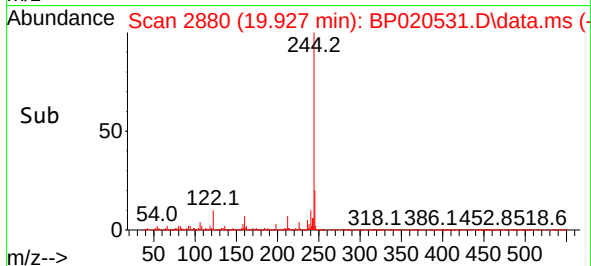
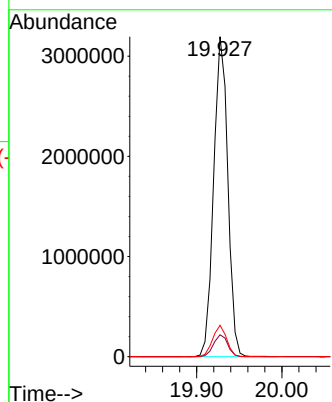
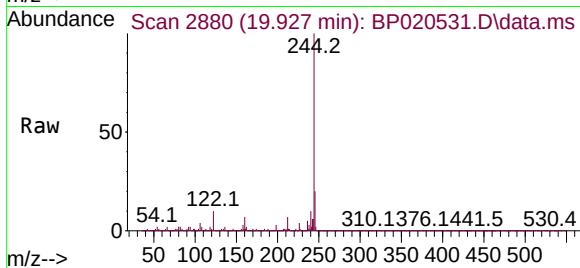
Tgt Ion:244 Resp: 3676798

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 9.8 8.2 12.2



#80

Butylbenzylphthalate

Concen: 2.555 ng

RT: 20.669 min Scan# 3006

Delta R.T. -0.011 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

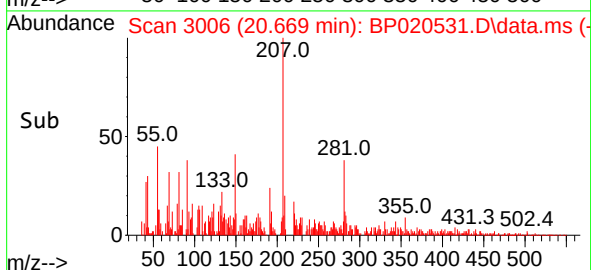
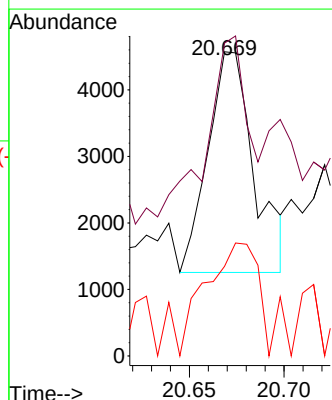
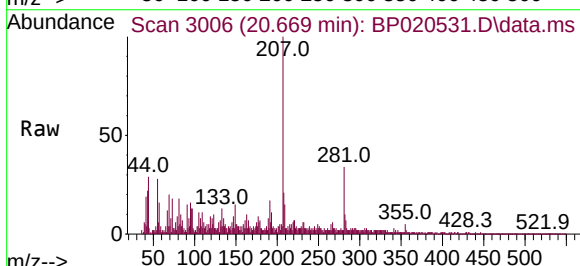
Tgt Ion:149 Resp: 5593

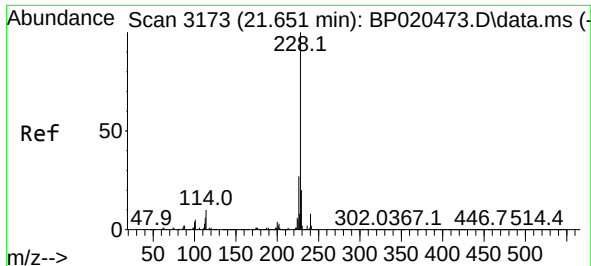
Ion Ratio Lower Upper

149 100

91 102.8 60.0 90.0#

206 29.5 16.6 25.0#

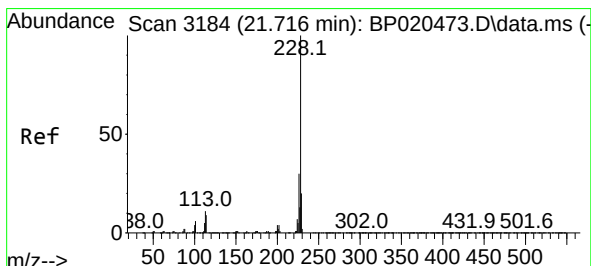
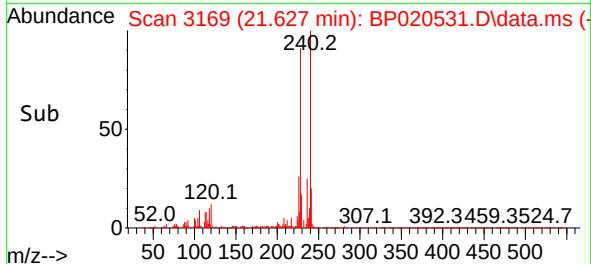
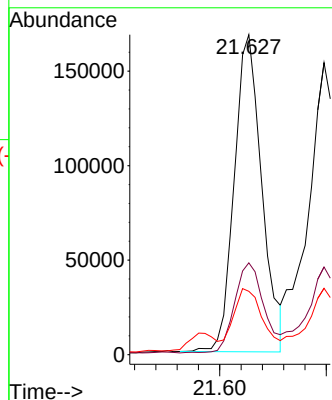
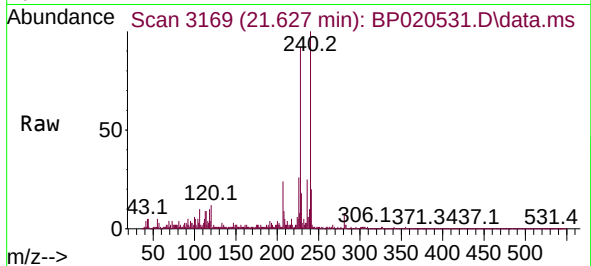




#81
Benzo(a)anthracene
Concen: 3.236 ng
RT: 21.627 min Scan# 3119
Delta R.T. -0.024 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

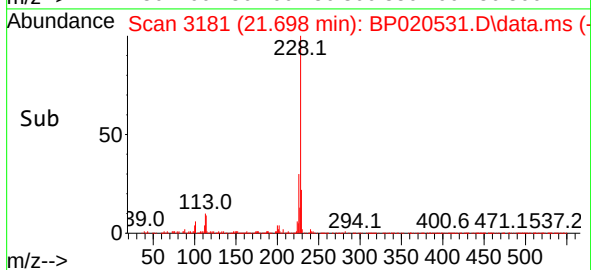
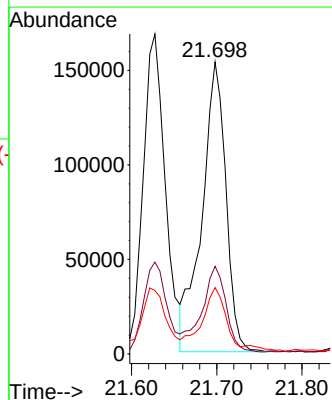
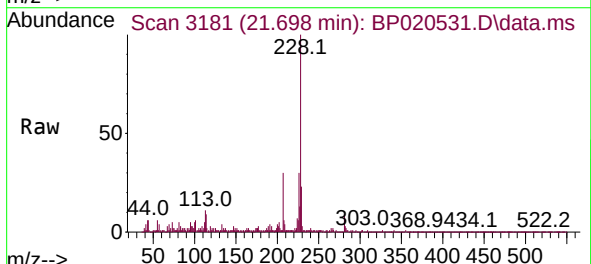
Instrument :
BNA_P
ClientSampleId :
WC-5

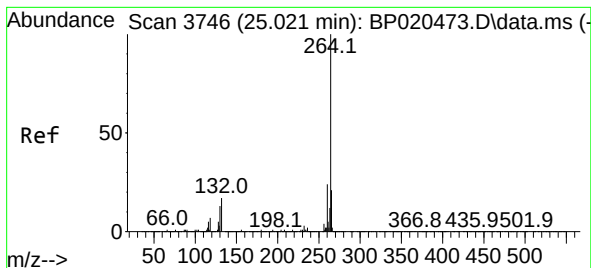
Tgt Ion:228 Resp: 301830
Ion Ratio Lower Upper
228 100
226 28.7 21.7 32.5
229 19.8 15.8 23.6



#83
Chrysene
Concen: 3.420 ng
RT: 21.698 min Scan# 3181
Delta R.T. -0.018 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion:228 Resp: 300530
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 22.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.015 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

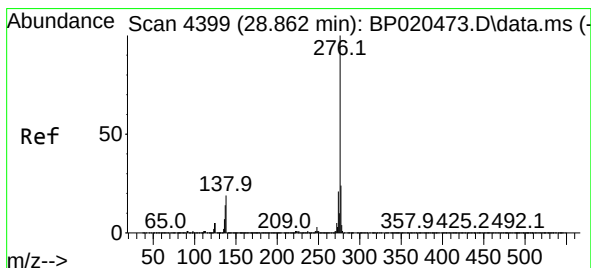
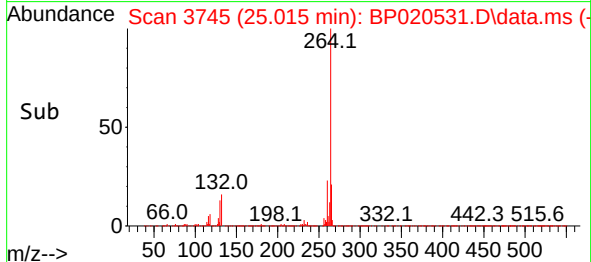
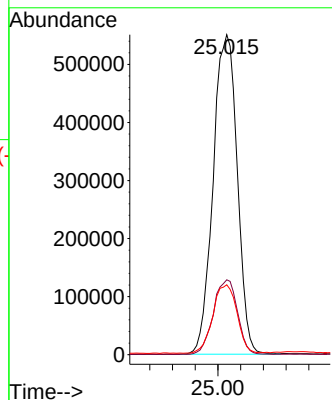
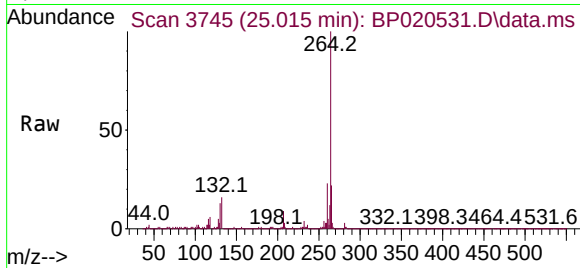
Tgt Ion:264 Resp: 1622237

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 21.8 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.107 ng

RT: 28.797 min Scan# 4388

Delta R.T. -0.065 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

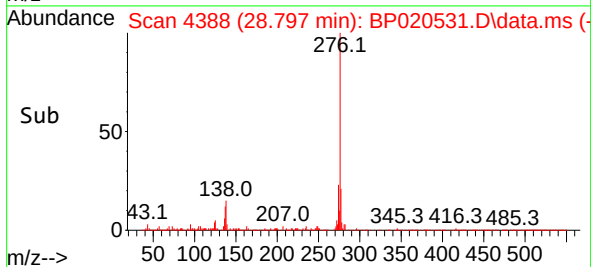
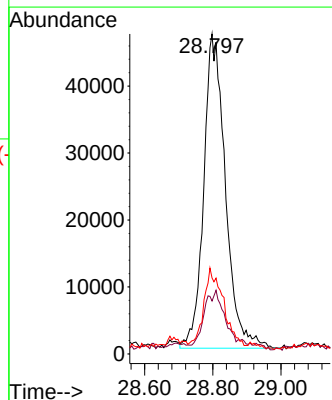
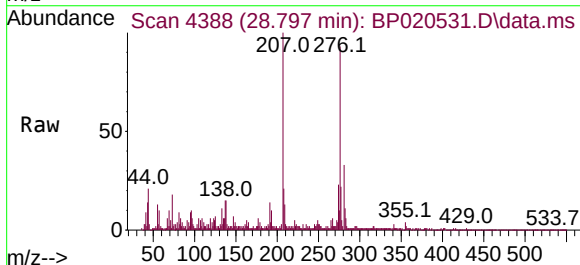
Tgt Ion:276 Resp: 207846

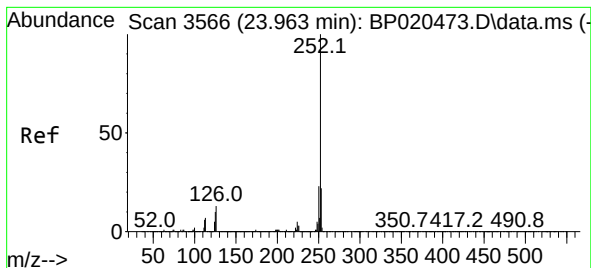
Ion Ratio Lower Upper

276 100

138 6.8 12.8 19.2#

277 21.7 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 4.066 ng

RT: 23.939 min Scan# 3562

Delta R.T. -0.024 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

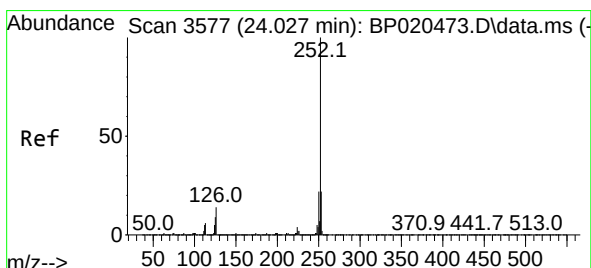
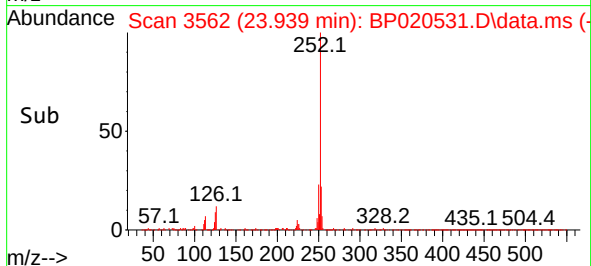
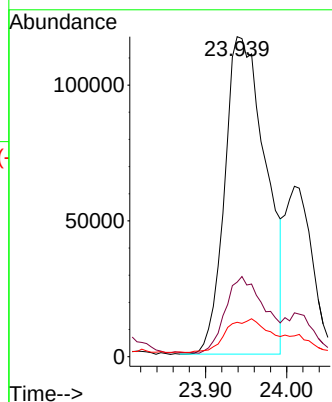
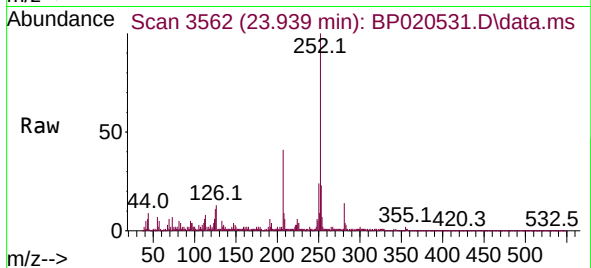
Tgt Ion:252 Resp: 410959

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 10.7 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 4.169 ng

RT: 23.939 min Scan# 3562

Delta R.T. -0.088 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

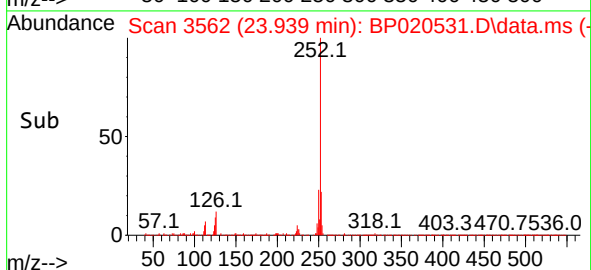
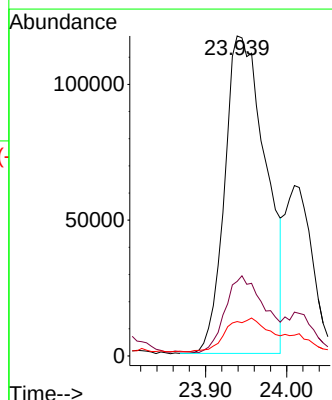
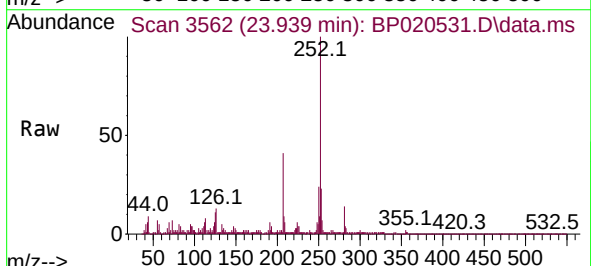
Tgt Ion:252 Resp: 410959

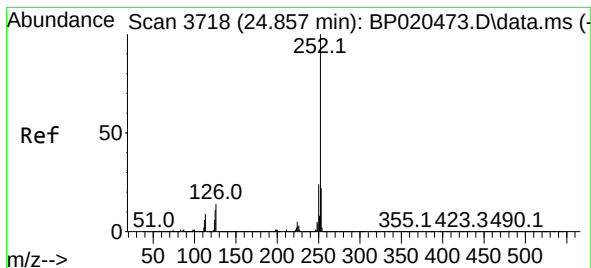
Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 10.7 7.8 11.6





#90

Benzo(a)pyrene

Concen: 3.470 ng

RT: 24.851 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

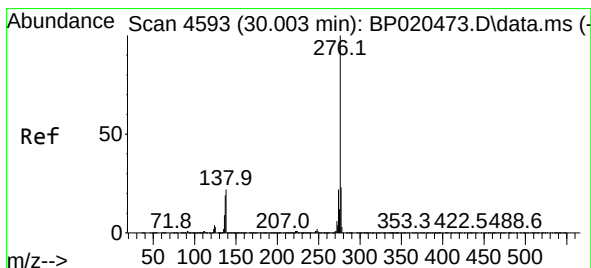
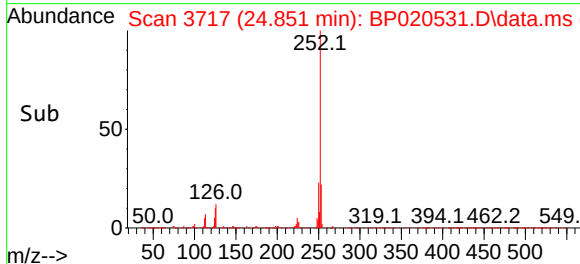
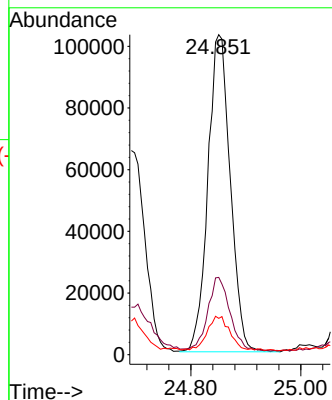
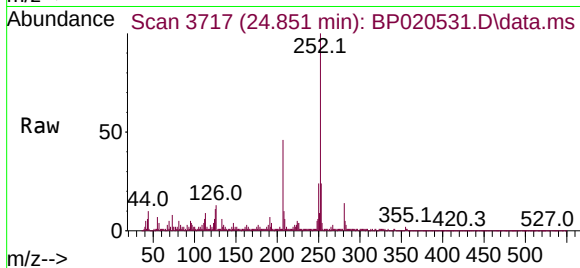
Tgt Ion:252 Resp: 290469

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.2

125 11.3 8.9 13.3



#92

Benzo(g,h,i)perylene

Concen: 2.434 ng

RT: 30.003 min Scan# 4593

Delta R.T. -0.000 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Tgt Ion:276 Resp: 200192

Ion Ratio Lower Upper

276 100

277 26.0 18.7 28.1

138 21.9 17.7 26.5

