

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060524\
 Data File : BP020533.D
 Acq On : 06 Jun 2024 02:25
 Operator : MA/JU
 Sample : P2668-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-TP-2

Quant Time: Jun 06 03:19:35 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)

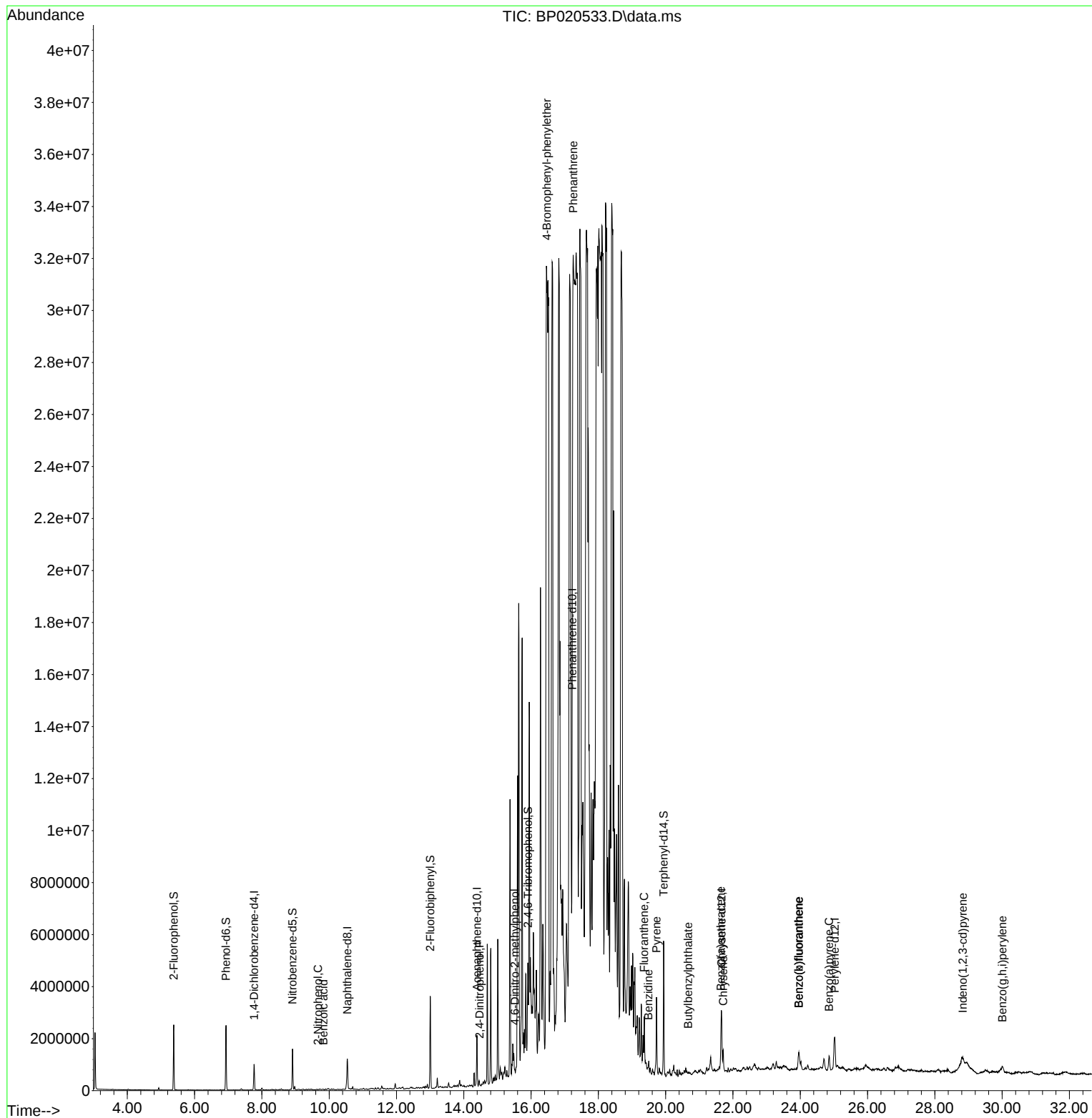
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	281746	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1055073	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	673249	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	1230720	20.000	ng	0.02
76) Chrysene-d12	21.663	240	1324616	20.000	ng	0.00
86) Perylene-d12	25.027	264	1553234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1051004	66.790	ng	0.00
7) Phenol-d6	6.934	99	1370787	61.770	ng	0.00
23) Nitrobenzene-d5	8.910	82	856086	44.416	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	504294	72.176	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	1900648	42.085	ng	0.00
79) Terphenyl-d14	19.939	244	2916738	36.656	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.663	139	237	3.819	ng	# 43
32) Benzoic acid	9.828	122	182	6.863	ng	# 1
54) 2,4-Dinitrophenol	14.469	184	77	4.996	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.516	198	275	7.696	ng	# 1
67) 4-Bromophenyl-phenylether	16.469	248	71640	5.690	ng	# 36
71) Phenanthrene	17.257	178	149444	2.470	ng	# 1
75) Fluoranthene	19.363	202	1253418	17.513	ng	99
77) Benzidine	19.486	184	331	5.977	ng	# 1
78) Pyrene	19.727	202	1623967	16.299	ng	99
80) Butylbenzylphthalate	20.668	149	2770	2.497	ng	# 1
81) Benzo(a)anthracene	21.639	228	704007	8.072	ng	98
83) Chrysene	21.710	228	665350	8.096	ng	97
87) Indeno(1,2,3-cd)pyrene	28.833	276	415725	4.401	ng	# 92
88) Benzo(b)fluoranthene	23.957	252	873615	9.028	ng	98
89) Benzo(k)fluoranthene	23.957	252	873615	9.257	ng	98
90) Benzo(a)pyrene	24.856	252	588933	7.349	ng	96
92) Benzo(g,h,i)perylene	30.009	276	415555	5.277	ng	96

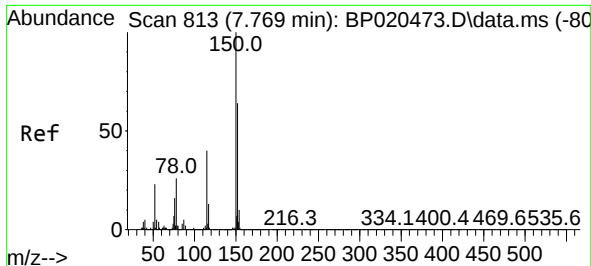
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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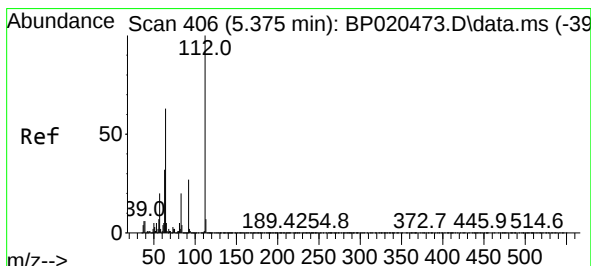
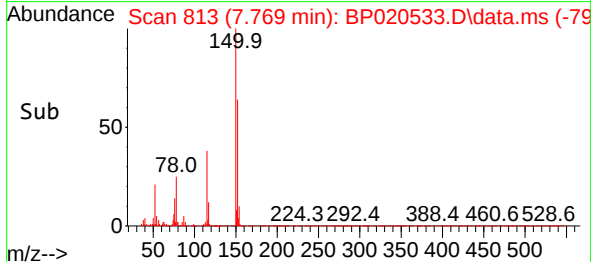
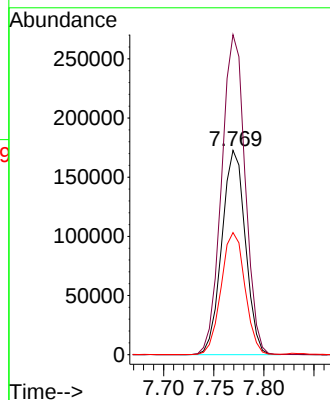
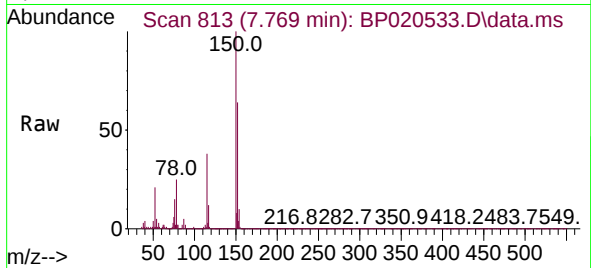




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. 0.000 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

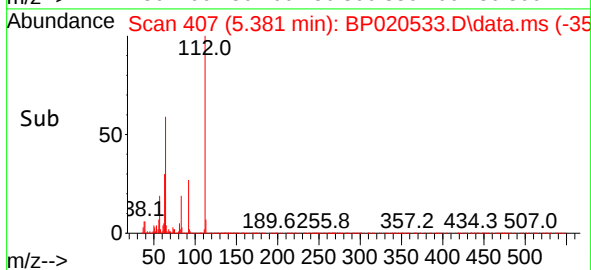
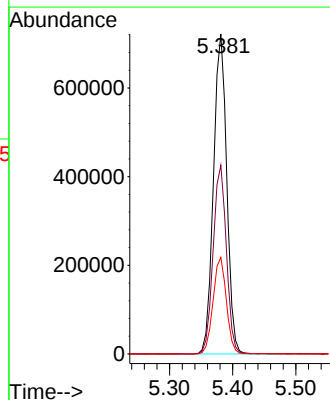
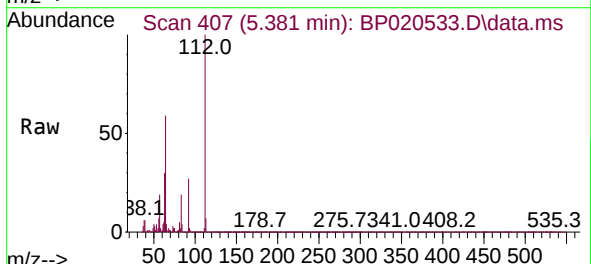
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BNA_P
ClientSampleId :
WC-TP-2

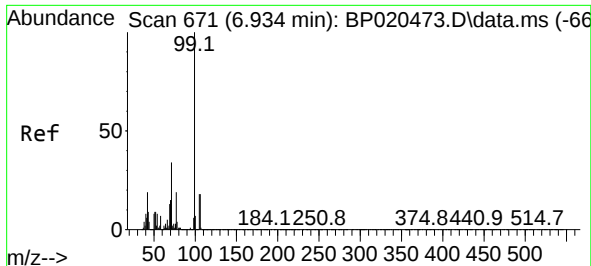
Tgt Ion:152 Resp: 281746
Ion Ratio Lower Upper
152 100
150 156.6 124.2 186.2
115 59.7 49.5 74.3



#5
2-Fluorophenol
Concen: 66.790 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

Tgt Ion:112 Resp: 1051004
Ion Ratio Lower Upper
112 100
64 59.0 50.1 75.1
63 30.2 25.7 38.5

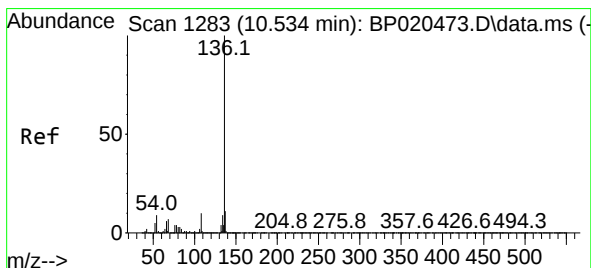
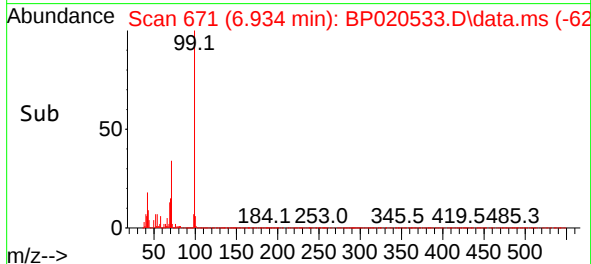
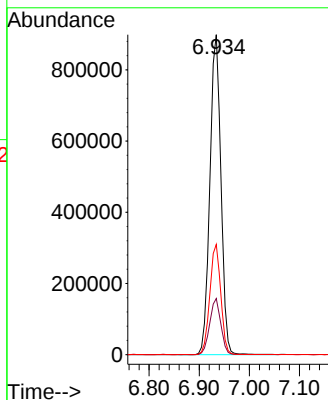
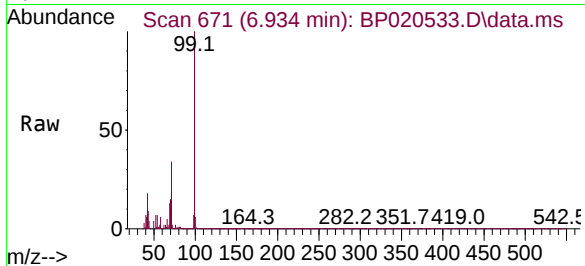




#7
Phenol-d6
Concen: 61.770 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

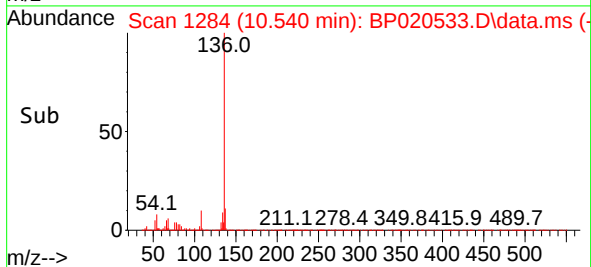
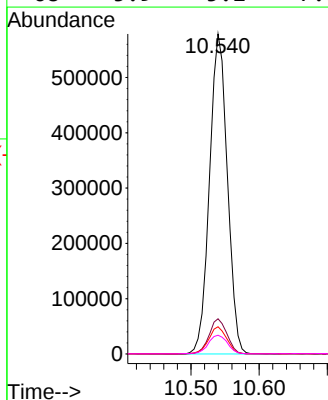
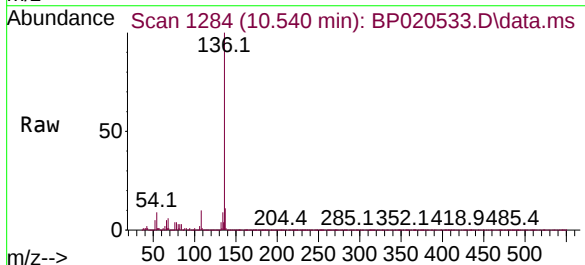
Instrument :
BNA_P
ClientSampleId :
WC-TP-2

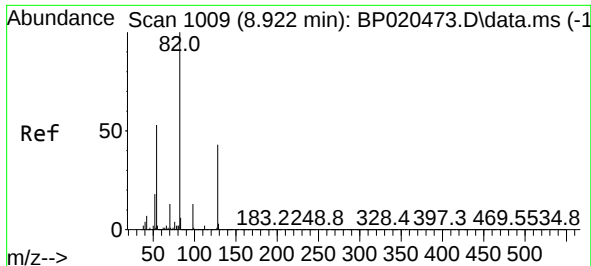
Tgt Ion: 99 Resp: 1370787
Ion Ratio Lower Upper
99 100
42 17.5 15.0 22.4
71 34.5 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. 0.006 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

Tgt Ion: 136 Resp: 1055073
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.5 7.4 11.0
68 5.9 5.2 7.8

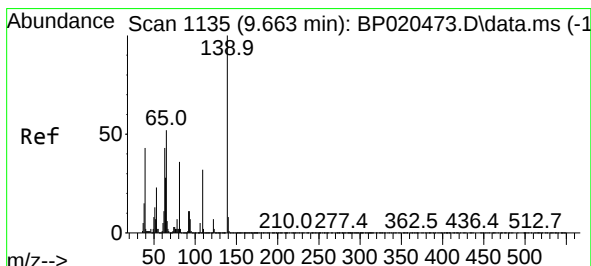
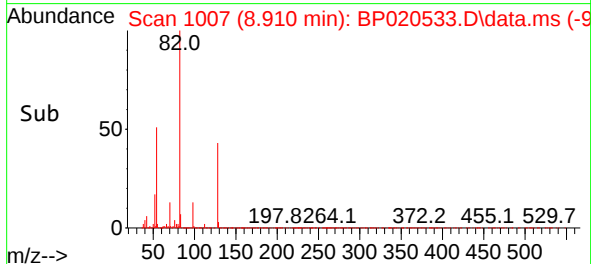
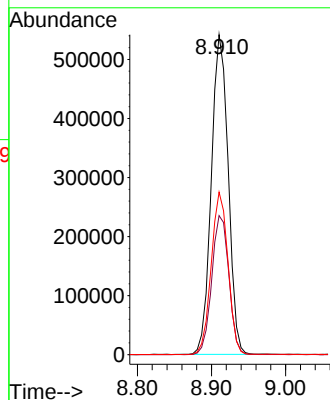
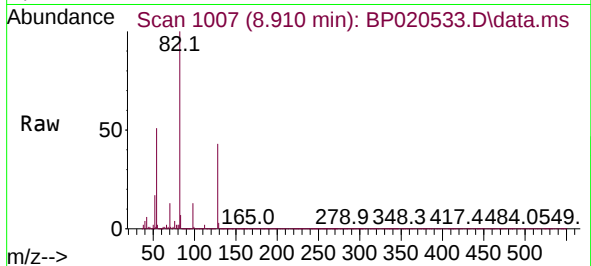




#23
Nitrobenzene-d5
Concen: 44.416 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

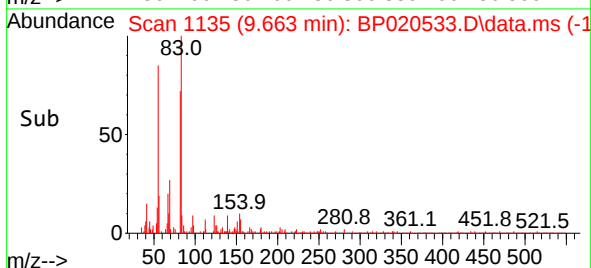
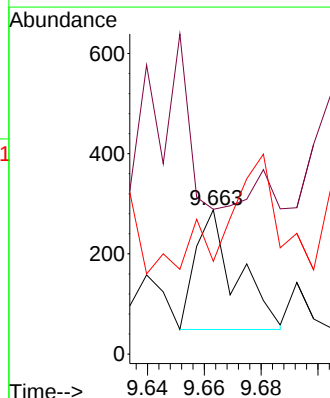
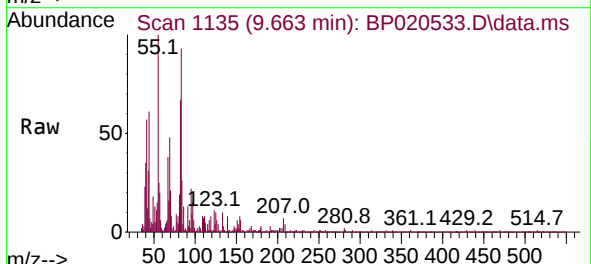
Instrument :
BNA_P
ClientSampleId :
WC-TP-2

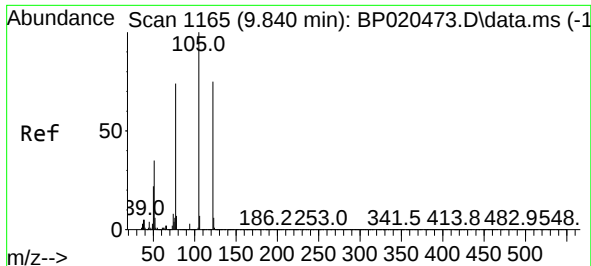
Tgt Ion: 82 Resp: 856086
Ion Ratio Lower Upper
82 100
128 43.4 34.2 51.4
54 50.8 42.7 64.1



#26
2-Nitrophenol
Concen: 3.819 ng
RT: 9.663 min Scan# 1135
Delta R.T. 0.000 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

Tgt Ion: 139 Resp: 237
Ion Ratio Lower Upper
139 100
109 100.3 25.8 38.8#
65 64.2 41.8 62.8#

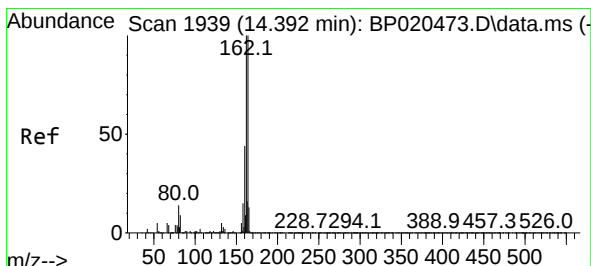
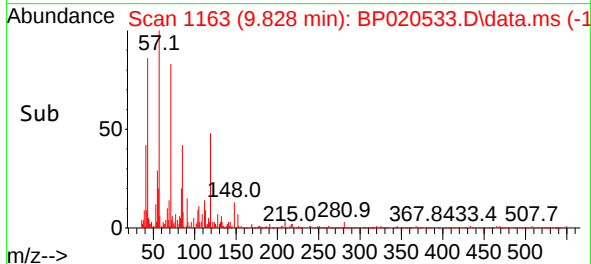
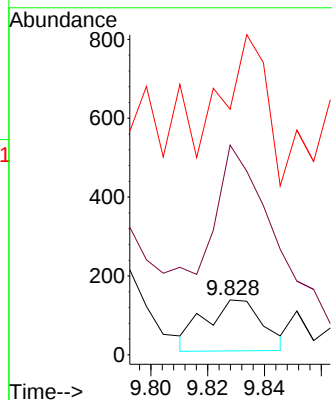
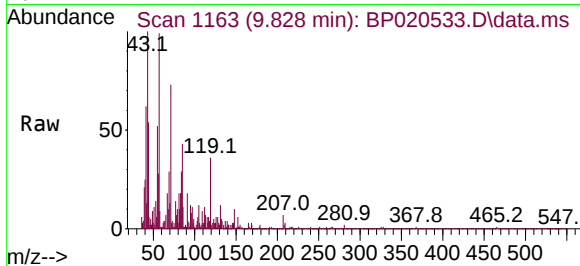




#32
Benzoic acid
Concen: 6.863 ng
RT: 9.828 min Scan# 1163
Delta R.T. -0.012 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

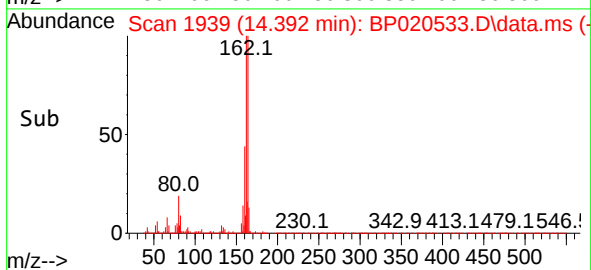
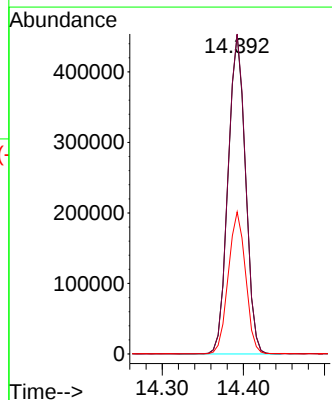
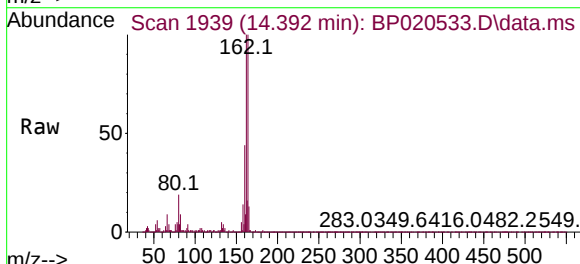
Instrument :
BNA_P
ClientSampleId :
WC-TP-2

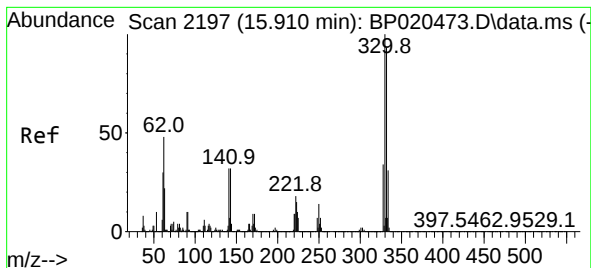
Tgt Ion:122 Resp: 182
Ion Ratio Lower Upper
122 100
105 382.7 107.5 147.5#
77 448.2 76.1 116.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

Tgt Ion:164 Resp: 673249
Ion Ratio Lower Upper
164 100
162 100.3 80.3 120.5
160 44.5 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 72.176 ng

RT: 15.910 min Scan# 2197

Delta R.T. -0.000 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

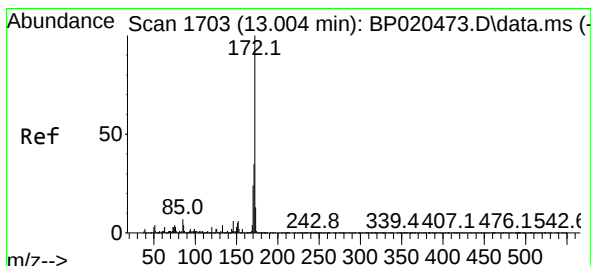
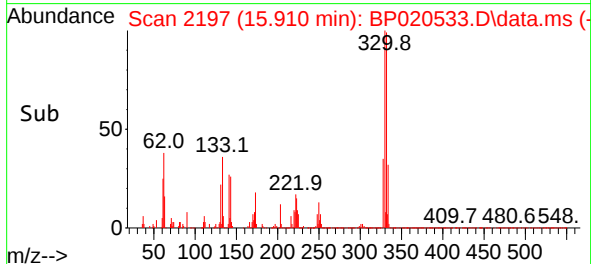
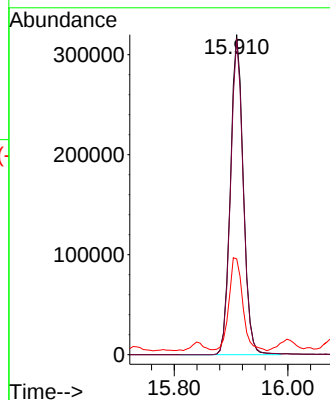
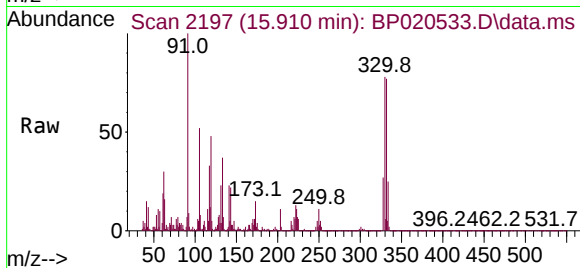
Tgt Ion:330 Resp: 504294

Ion Ratio Lower Upper

330 100

332 97.7 76.6 114.8

141 31.0 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 42.085 ng

RT: 13.004 min Scan# 1703

Delta R.T. -0.000 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

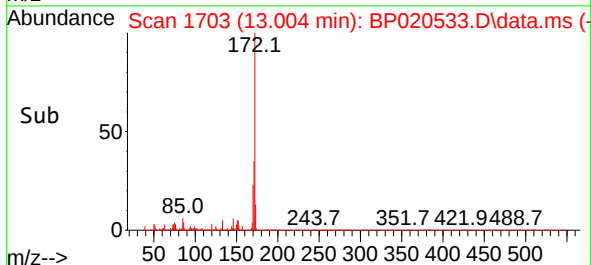
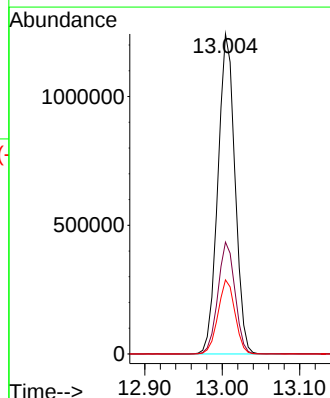
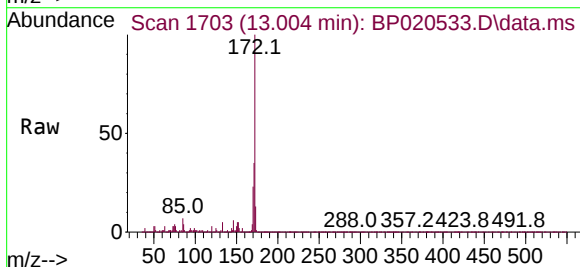
Tgt Ion:172 Resp: 1900648

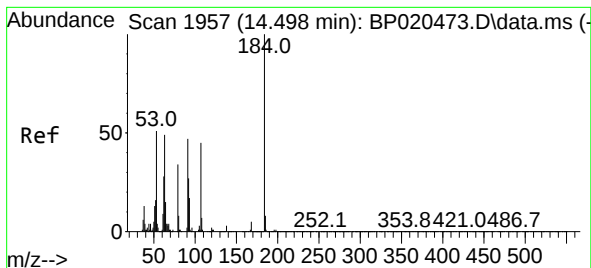
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.2 18.9 28.3

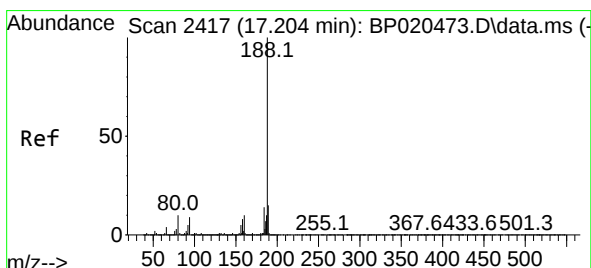
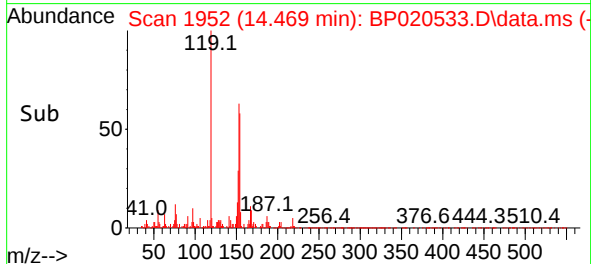
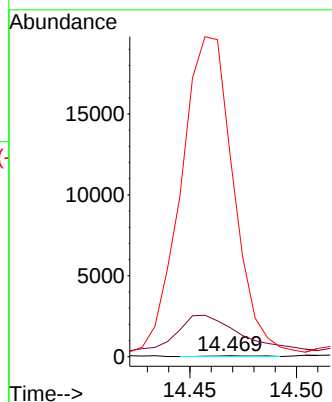
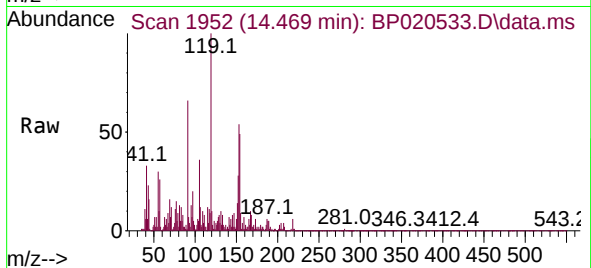




#54
2,4-Dinitrophenol
Concen: 4.996 ng
RT: 14.469 min Scan# 1957
Delta R.T. -0.029 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

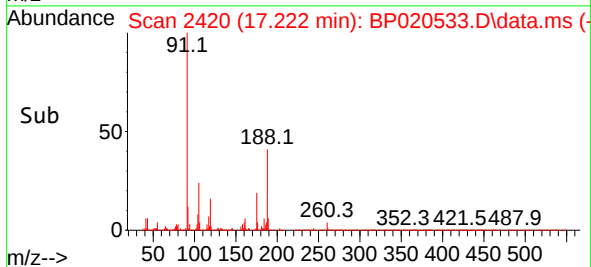
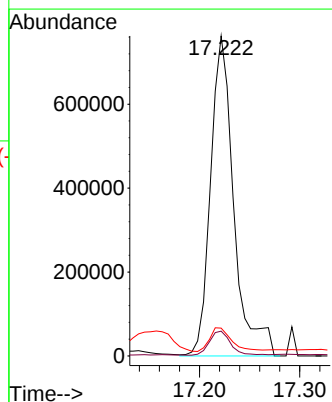
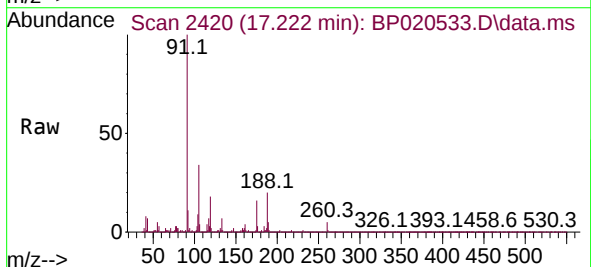
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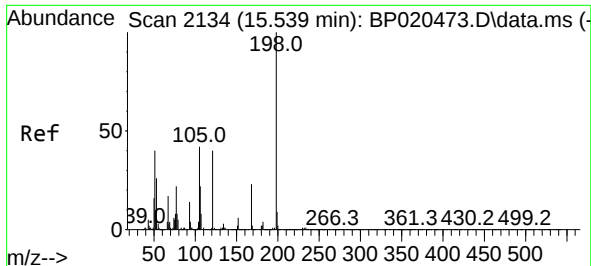
Tgt Ion:184 Resp: 77
Ion Ratio Lower Upper
184 100
63 3054.2 54.2 81.4#
154 21106.8 51.0 76.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2420
Delta R.T. 0.018 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

Tgt Ion:188 Resp: 1230720
Ion Ratio Lower Upper
188 100
94 7.7 7.2 10.8
80 8.7 8.1 12.1

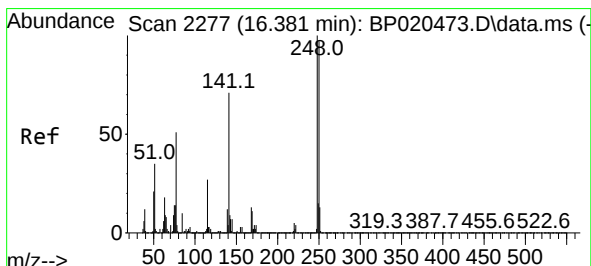
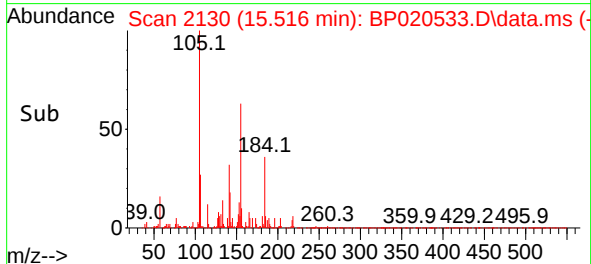
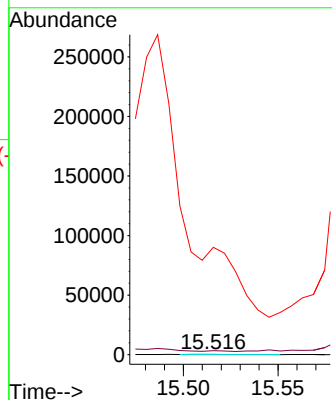
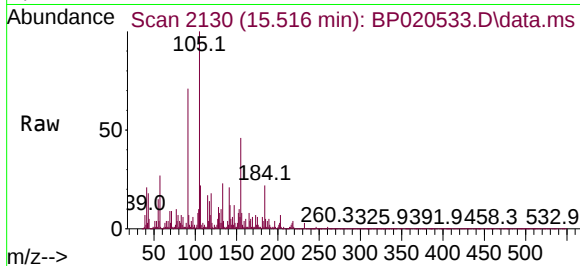




#65
4,6-Dinitro-2-methylphenol
Concen: 7.696 ng
RT: 15.516 min Scan# 2134
Delta R.T. -0.023 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

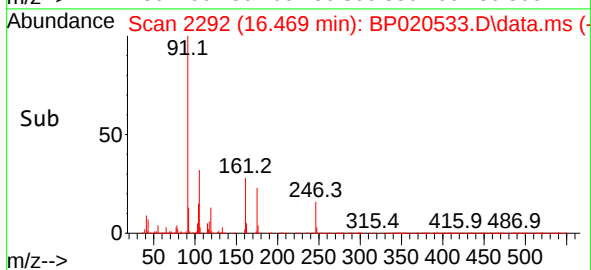
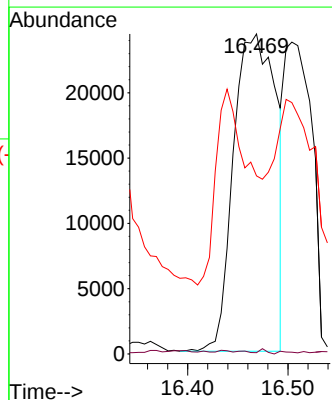
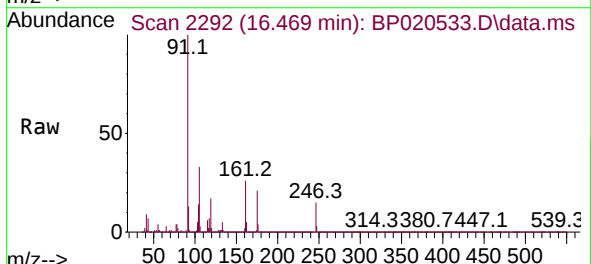
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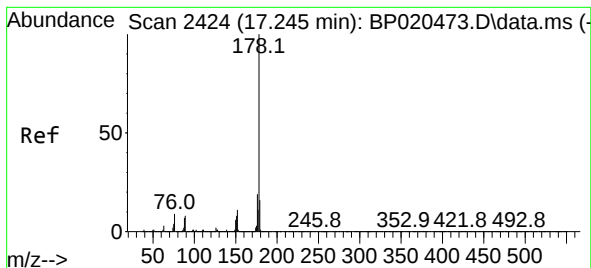
Tgt Ion:198 Resp: 275
Ion Ratio Lower Upper
198 100
51 1173.4 24.8 64.8#
105 31100.7 23.2 63.2#



#67
4-Bromophenyl-phenylether
Concen: 5.690 ng
RT: 16.469 min Scan# 2292
Delta R.T. 0.088 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

Tgt Ion:248 Resp: 71640
Ion Ratio Lower Upper
248 100
250 0.4 77.4 116.0#
141 55.6 56.5 84.7#





#71

Phenanthrene

Concen: 2.470 ng

RT: 17.257 min Scan# 2424

Delta R.T. 0.012 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

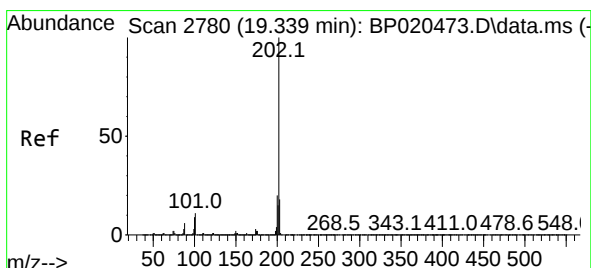
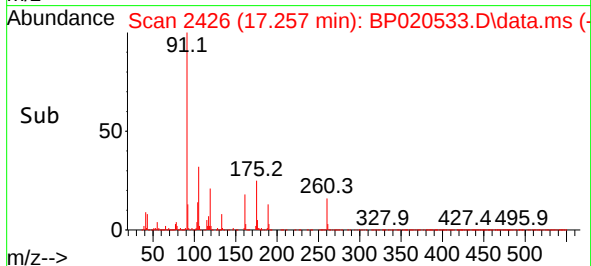
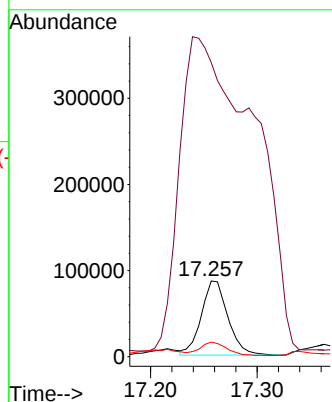
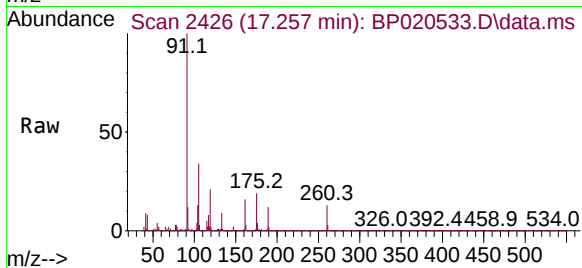
Tgt Ion:178 Resp: 149444

Ion Ratio Lower Upper

178 100

176 388.4 15.4 23.2#

179 19.2 12.5 18.7#



#75

Fluoranthene

Concen: 17.513 ng

RT: 19.363 min Scan# 2784

Delta R.T. 0.023 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

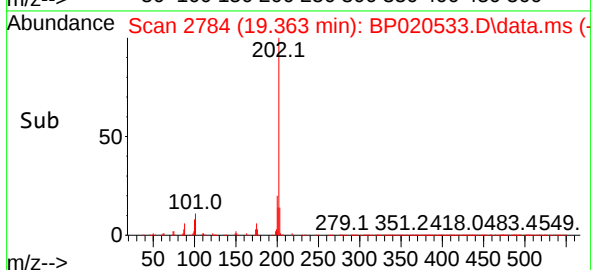
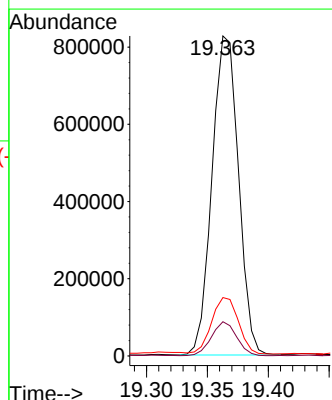
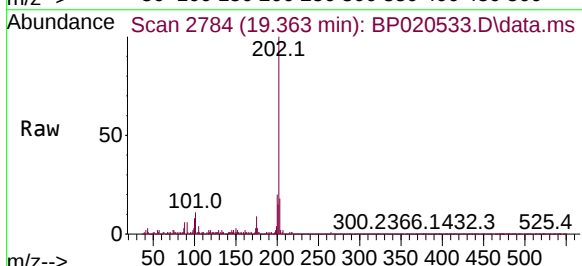
Tgt Ion:202 Resp: 1253418

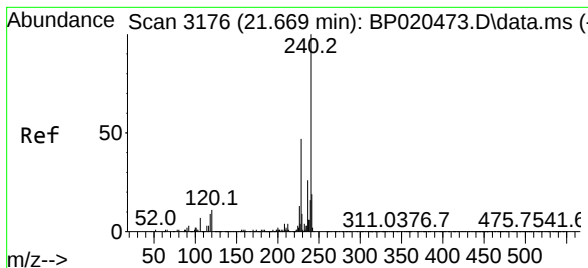
Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

203 18.2 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.663 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

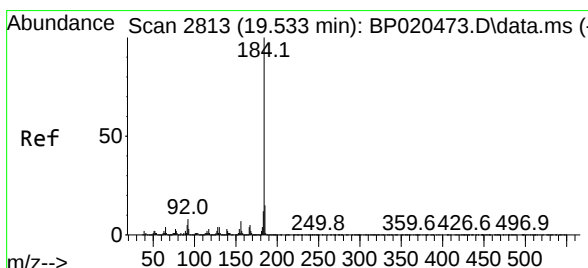
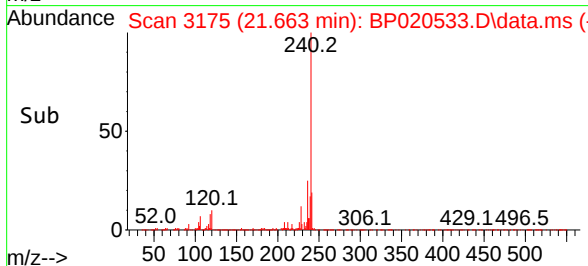
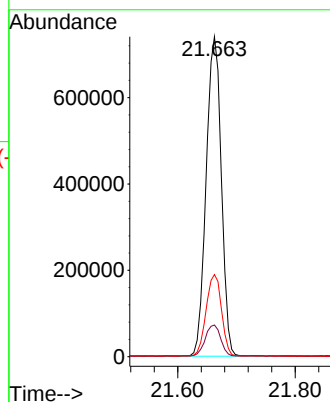
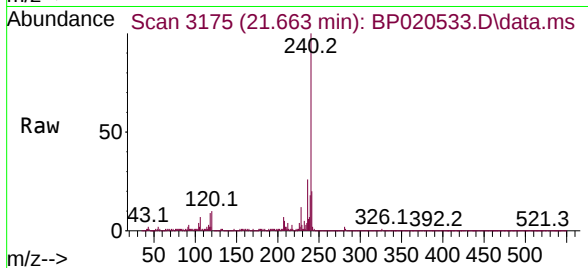
Tgt Ion:240 Resp: 1324616

Ion Ratio Lower Upper

240 100

120 9.9 8.5 12.7

236 25.7 20.5 30.7



#77

Benzidine

Concen: 5.977 ng

RT: 19.486 min Scan# 2805

Delta R.T. -0.047 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

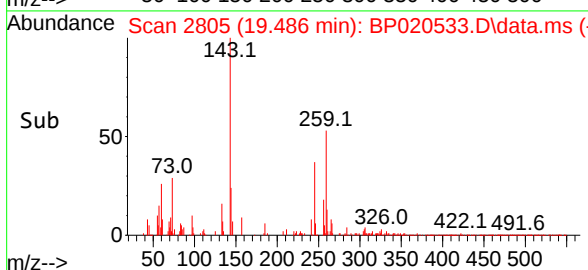
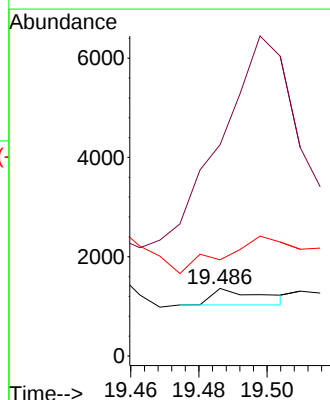
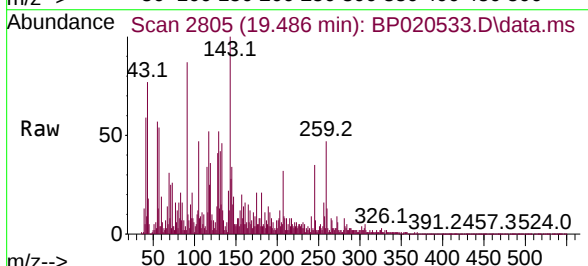
Tgt Ion:184 Resp: 331

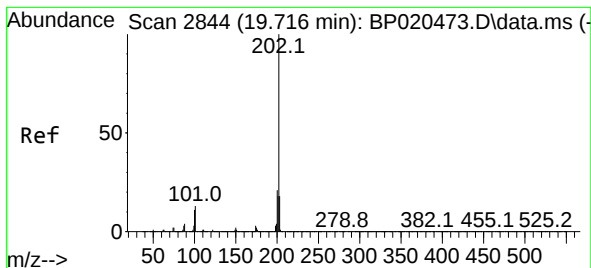
Ion Ratio Lower Upper

184 100

185 312.9 12.0 18.0#

183 142.5 9.4 14.0#





#78

Pyrene

Concen: 16.299 ng

RT: 19.727 min Scan# 2846

Delta R.T. 0.012 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

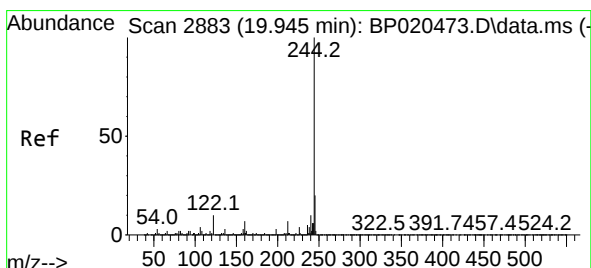
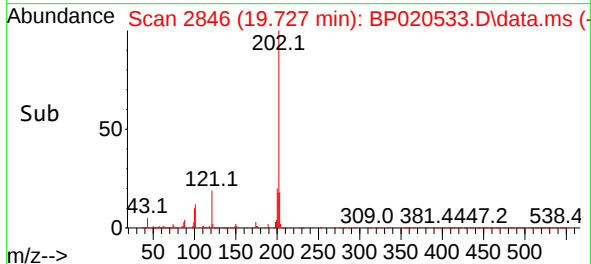
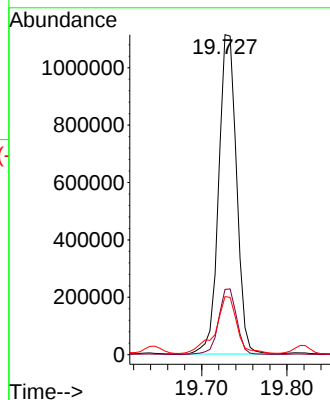
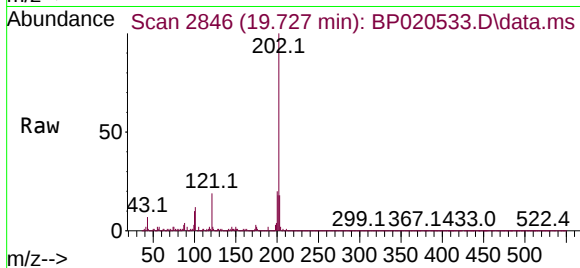
Tgt Ion:202 Resp: 1623967

Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

203 18.2 14.1 21.1



#79

Terphenyl-d14

Concen: 36.656 ng

RT: 19.939 min Scan# 2882

Delta R.T. -0.006 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

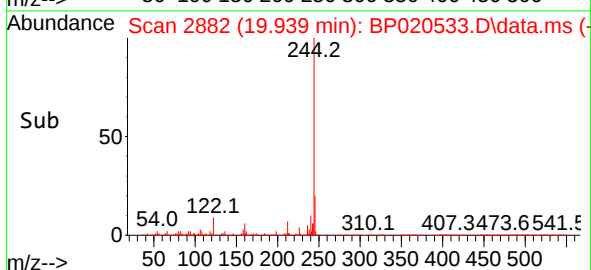
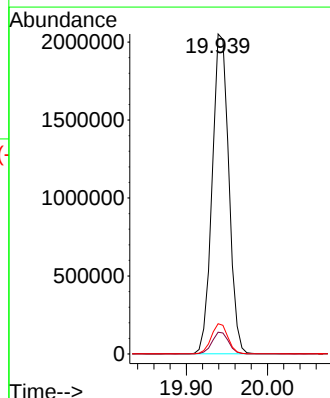
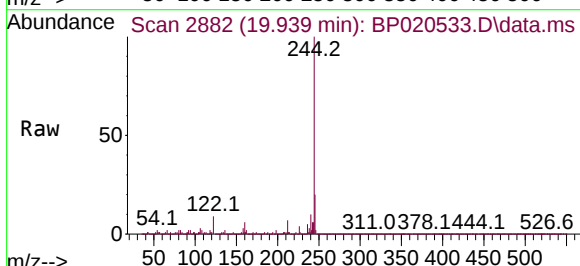
Tgt Ion:244 Resp: 2916738

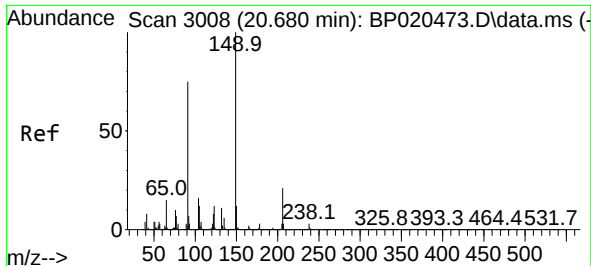
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 9.5 8.2 12.2

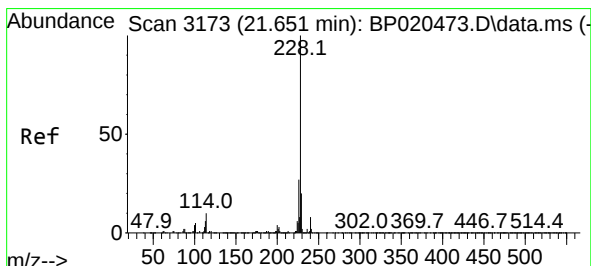
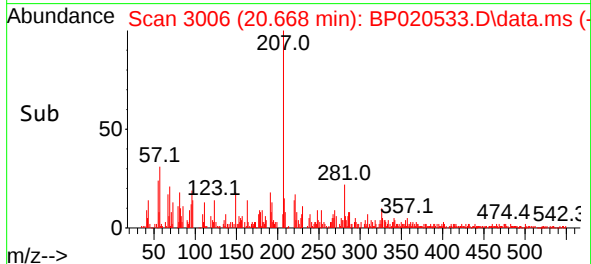
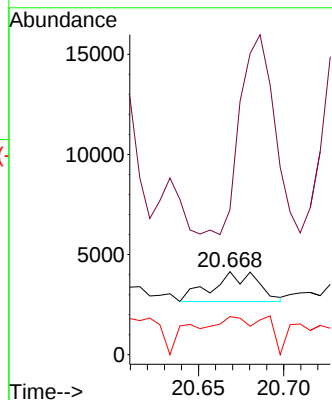
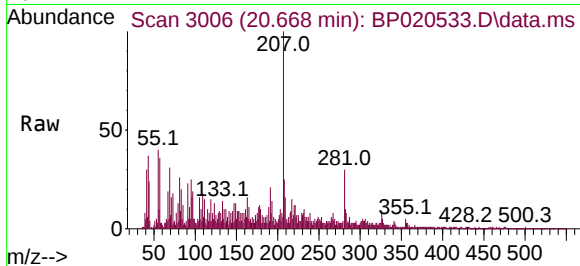




#80
Butylbenzylphthalate
Concen: 2.497 ng
RT: 20.668 min Scan# 3008
Delta R.T. -0.012 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

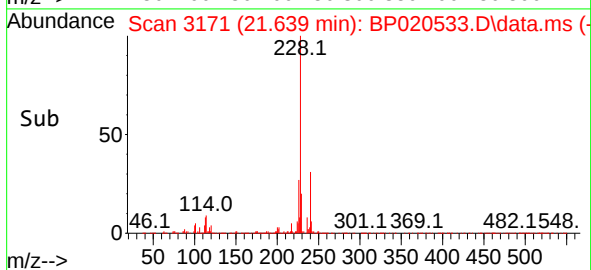
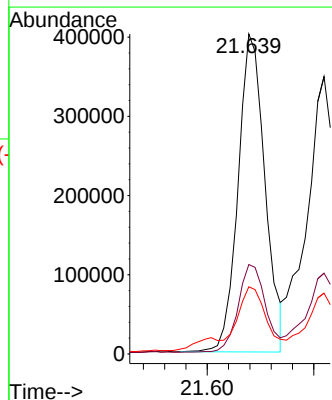
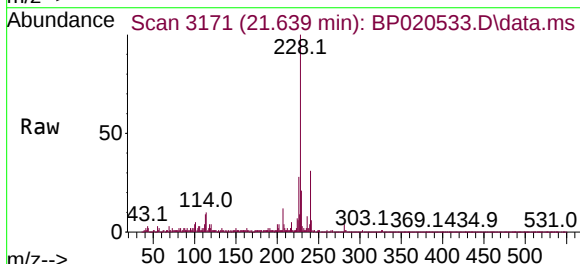
Instrument :
BNA_P
ClientSampleId :
WC-TP-2

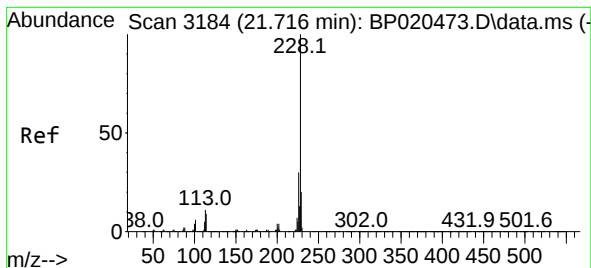
Tgt Ion:149 Resp: 2770
Ion Ratio Lower Upper
149 100
91 174.6 60.0 90.0#
206 45.8 16.6 25.0#



#81
Benzo(a)anthracene
Concen: 8.072 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.012 min
Lab File: BP020533.D
Acq: 06 Jun 2024 02:25

Tgt Ion:228 Resp: 704007
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 21.0 15.8 23.6





#83

Chrysene

Concen: 8.096 ng

RT: 21.710 min Scan# 3184

Delta R.T. -0.006 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

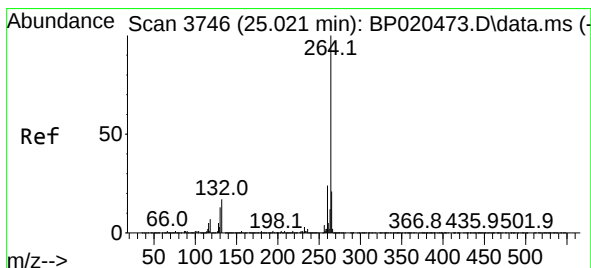
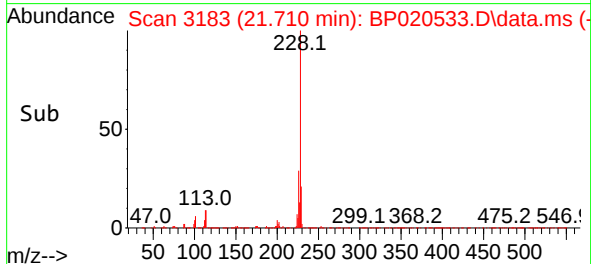
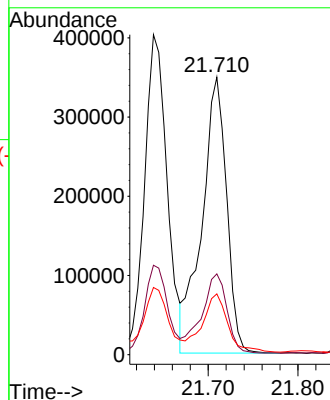
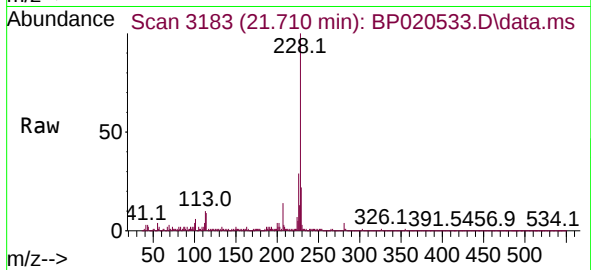
Tgt Ion:228 Resp: 665350

Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

229 21.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.027 min Scan# 3747

Delta R.T. 0.006 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

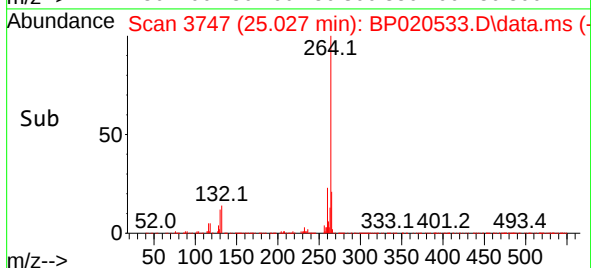
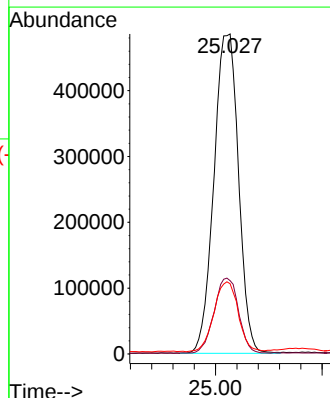
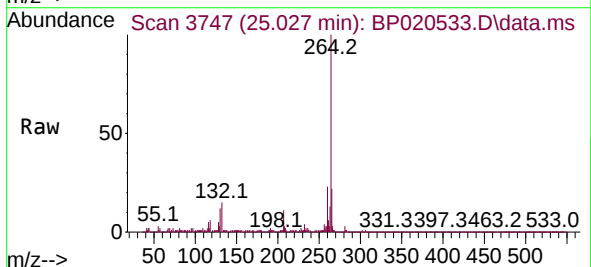
Tgt Ion:264 Resp: 1553234

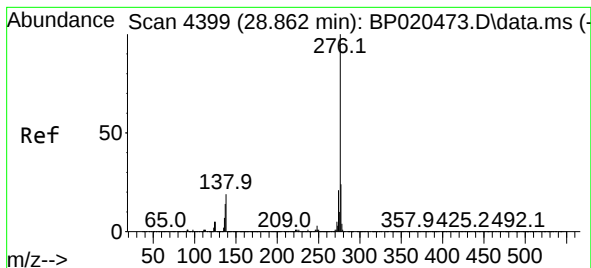
Ion Ratio Lower Upper

264 100

260 22.9 18.9 28.3

265 22.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.401 ng

RT: 28.833 min Scan# 41

Delta R.T. -0.030 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

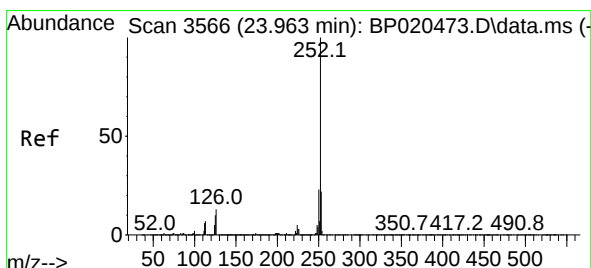
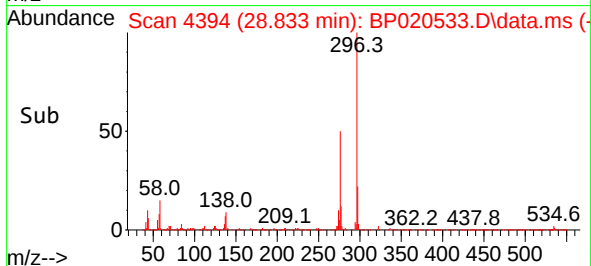
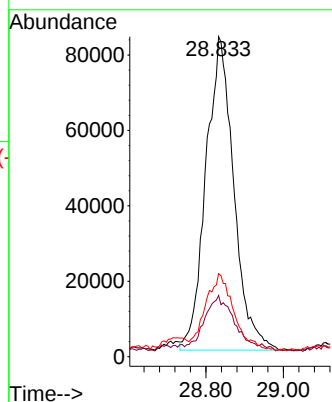
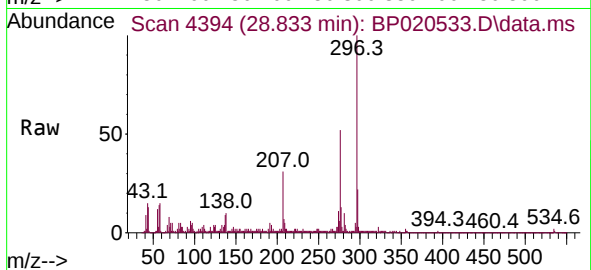
Tgt Ion:276 Resp: 415725

Ion Ratio Lower Upper

276 100

138 16.5 12.8 19.2

277 25.3 15.6 23.4#



#88

Benzo(b)fluoranthene

Concen: 9.028 ng

RT: 23.957 min Scan# 3565

Delta R.T. -0.006 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

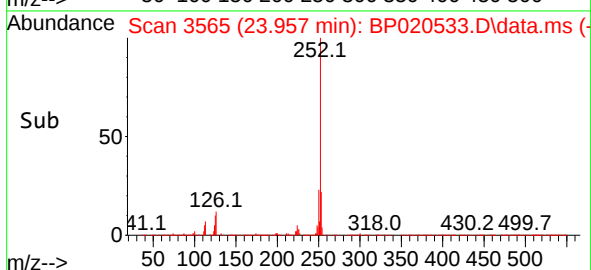
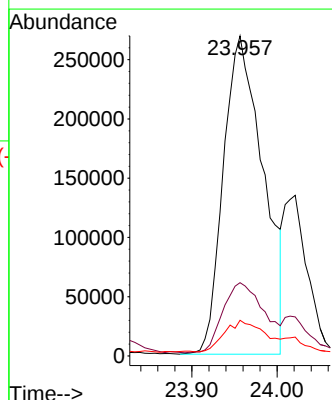
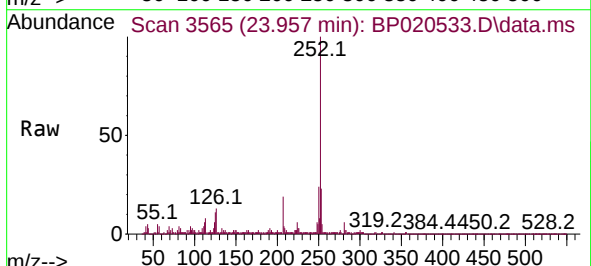
Tgt Ion:252 Resp: 873615

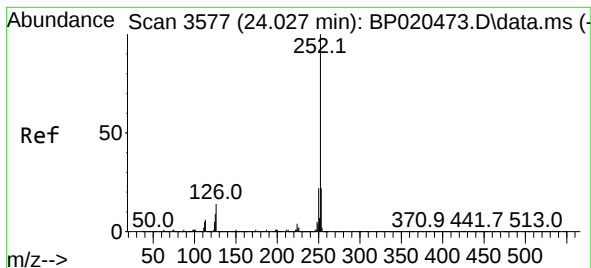
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 11.2 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 9.257 ng

RT: 23.957 min Scan# 3565

Delta R.T. -0.071 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

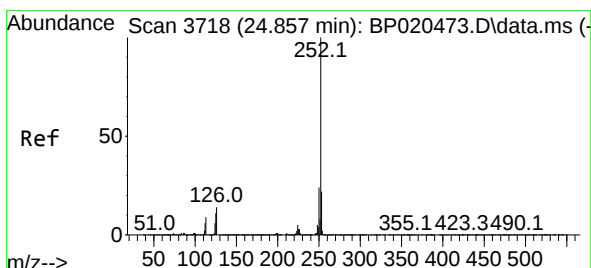
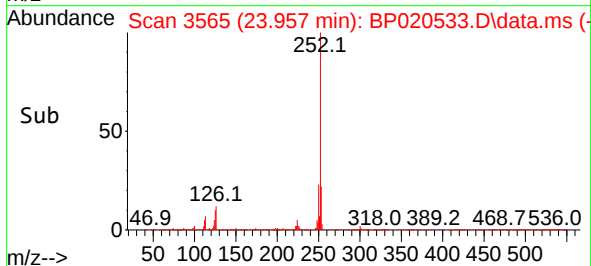
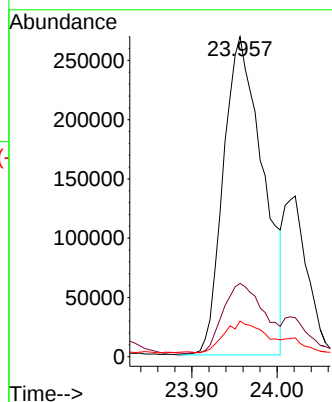
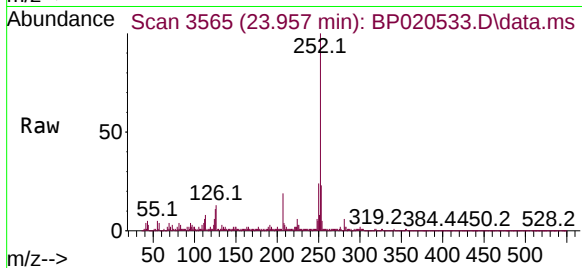
Tgt Ion:252 Resp: 873615

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 11.2 7.8 11.6



#90

Benzo(a)pyrene

Concen: 7.349 ng

RT: 24.856 min Scan# 3718

Delta R.T. -0.000 min

Lab File: BP020533.D

Acq: 06 Jun 2024 02:25

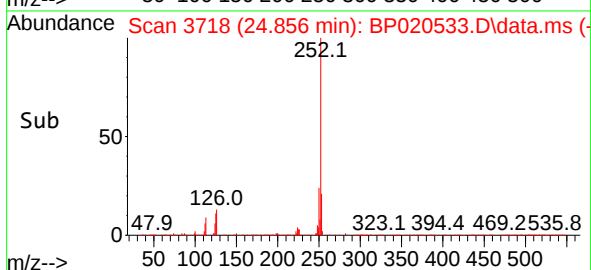
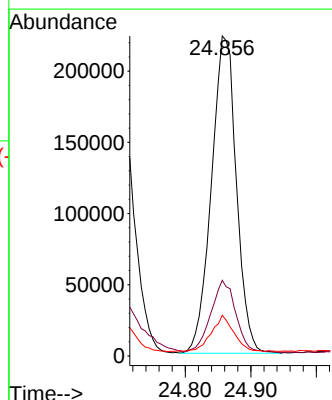
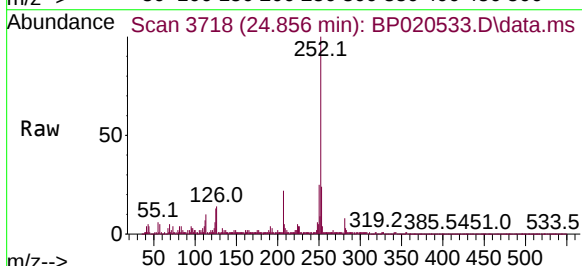
Tgt Ion:252 Resp: 588933

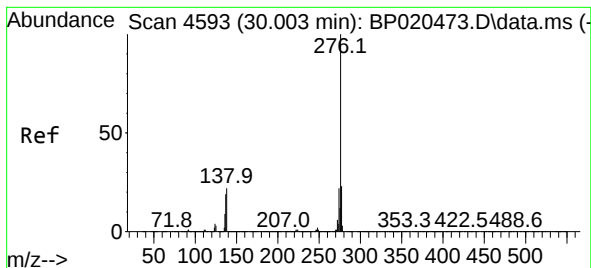
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 12.7 8.9 13.3





#92

Benzo(g,h,i)perylene

Concen: 5.277 ng

RT: 30.009 min Scan# 41

Delta R.T. 0.006 min

Lab File: BP020533.D

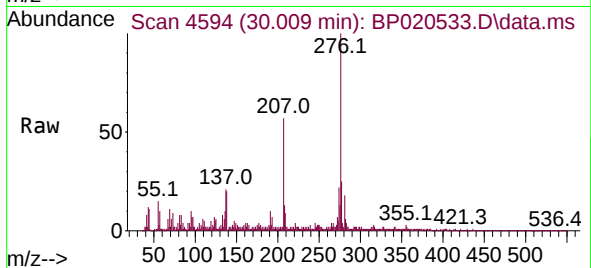
Acq: 06 Jun 2024 02:25

Instrument :

BNA_P

ClientSampleId :

WC-TP-2



Tgt Ion:276 Resp: 415555

Ion Ratio Lower Upper

276 100

277 25.4 18.7 28.1

138 20.2 17.7 26.5

