

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060624\
 Data File : BP020545.D
 Acq On : 06 Jun 2024 17:31
 Operator : MA/JU
 Sample : P2668-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-TP-2

Quant Time: Jun 06 18:21:09 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)

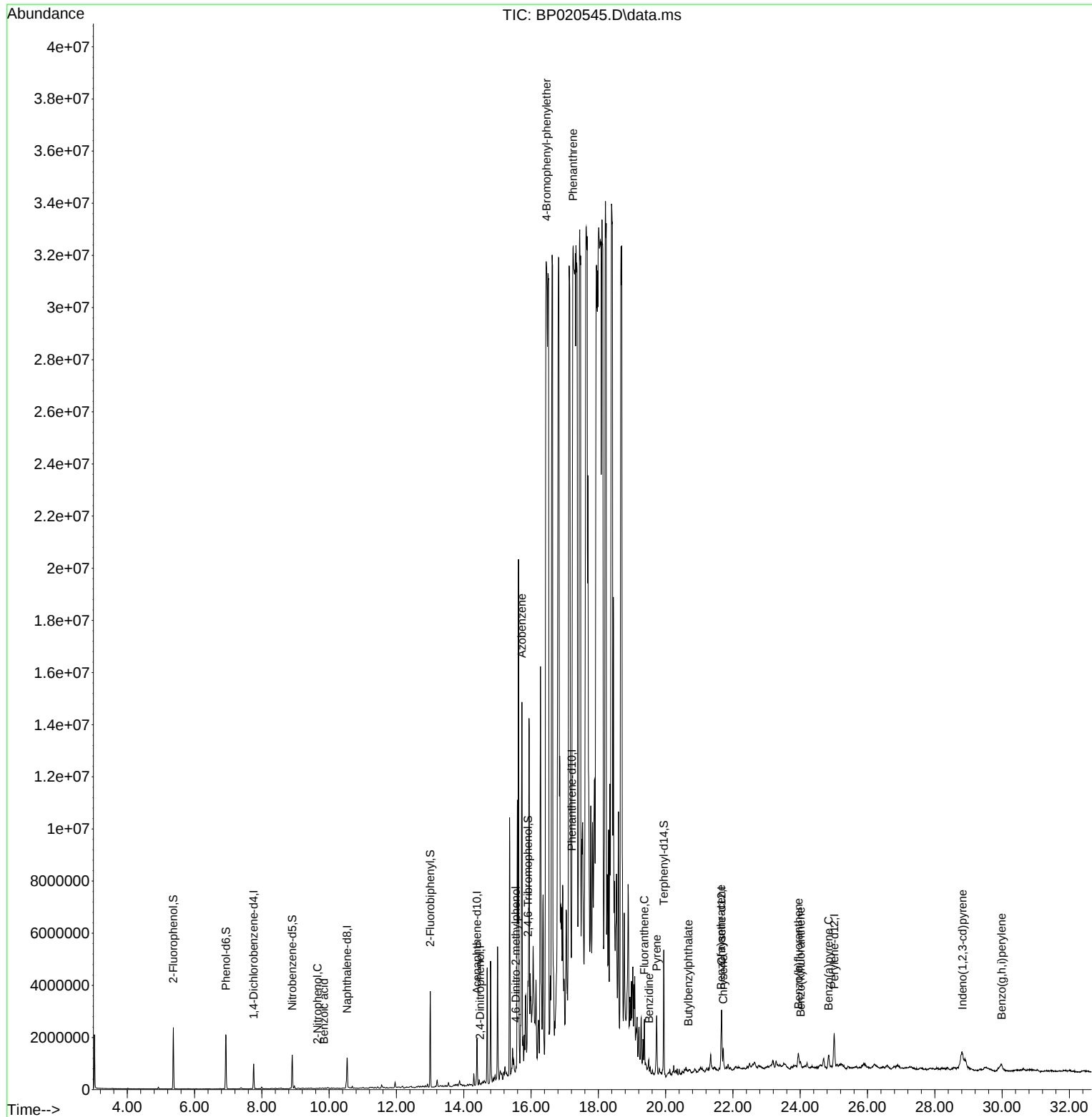
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	253859	20.000	ng	-0.01
21) Naphthalene-d8	10.534	136	939211	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	601159	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	1071976	20.000	ng	0.00
76) Chrysene-d12	21.663	240	1171394	20.000	ng	0.00
86) Perylene-d12	25.010	264	1375244	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	951992	67.143	ng	0.00
7) Phenol-d6	6.928	99	1226843	61.357	ng	0.00
23) Nitrobenzene-d5	8.905	82	760021	44.296	ng	-0.02
42) 2,4,6-Tribromophenol	15.910	330	466693	74.804	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	1679347	41.644	ng	0.00
79) Terphenyl-d14	19.945	244	2592445	36.842	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.652	139	152	3.812	ng	# 1
32) Benzoic acid	9.846	122	90	6.856	ng	# 1
54) 2,4-Dinitrophenol	14.487	184	122	5.013	ng	# 1
63) Azobenzene	15.728	77	276579	6.876	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.551	198	150	7.680	ng	# 1
67) 4-Bromophenyl-phenylether	16.457	248	80570	7.347	ng	# 37
71) Phenanthrene	17.251	178	141956	2.694	ng	# 1
75) Fluoranthene	19.369	202	1093134	17.535	ng	98
77) Benzidine	19.510	184	1173	5.995	ng	# 1
78) Pyrene	19.733	202	1404643	15.942	ng	99
80) Butylbenzylphthalate	20.675	149	2694	2.503	ng	# 1
81) Benzo(a)anthracene	21.645	228	603914	7.830	ng	98
83) Chrysene	21.710	228	575651	7.921	ng	98
87) Indeno(1,2,3-cd)pyrene	28.821	276	364862	4.363	ng	97
88) Benzo(b)fluoranthene	23.945	252	747032	8.719	ng	98
89) Benzo(k)fluoranthene	24.010	252	245258	2.935	ng	94
90) Benzo(a)pyrene	24.839	252	527898	7.440	ng	97
92) Benzo(g,h,i)perylene	29.986	276	370476	5.314	ng	95

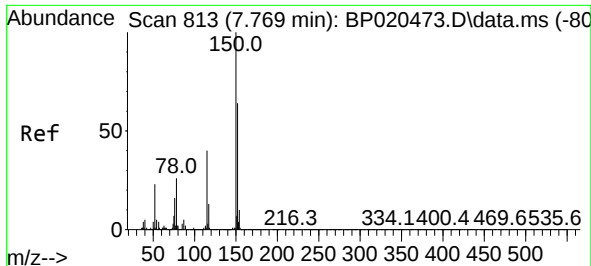
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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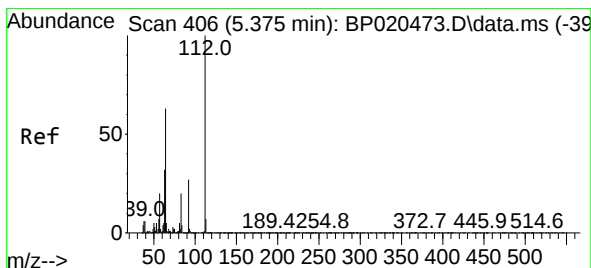
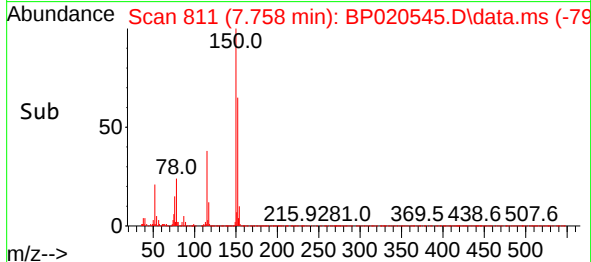
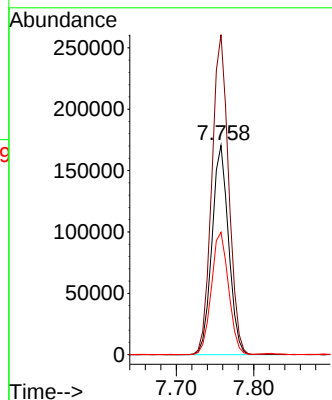
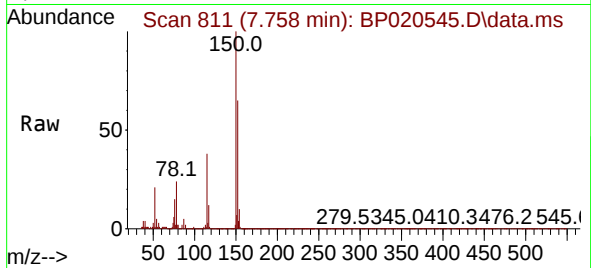




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

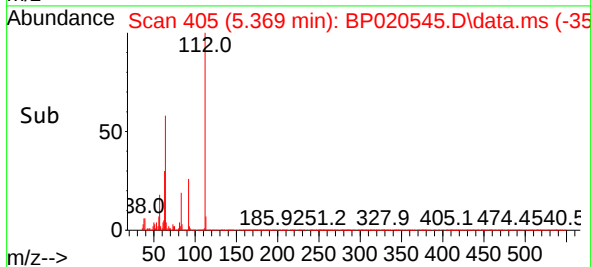
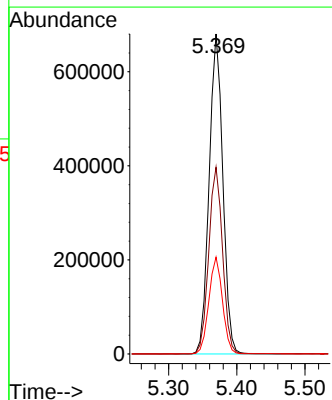
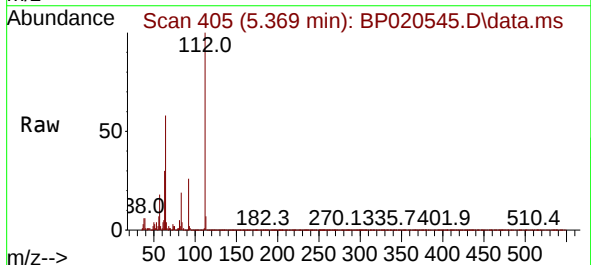
Instrument :
BNA_P
ClientSampleId :
WC-TP-2

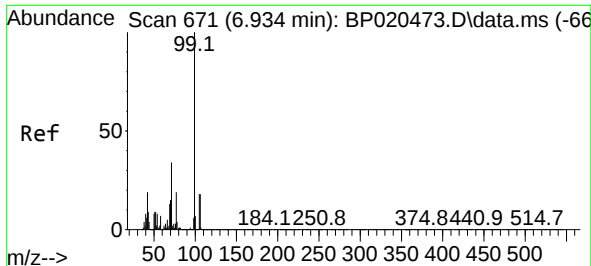
Tgt Ion:152 Resp: 253859
Ion Ratio Lower Upper
152 100
150 152.9 124.2 186.2
115 58.5 49.5 74.3



#5
2-Fluorophenol
Concen: 67.143 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

Tgt Ion:112 Resp: 951992
Ion Ratio Lower Upper
112 100
64 58.3 50.1 75.1
63 30.2 25.7 38.5

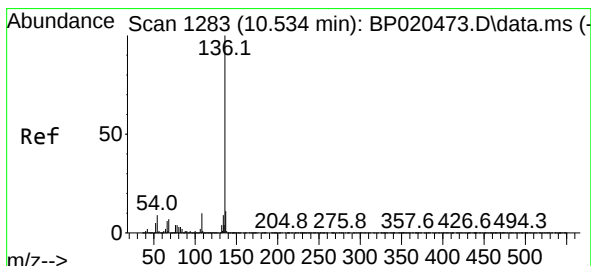
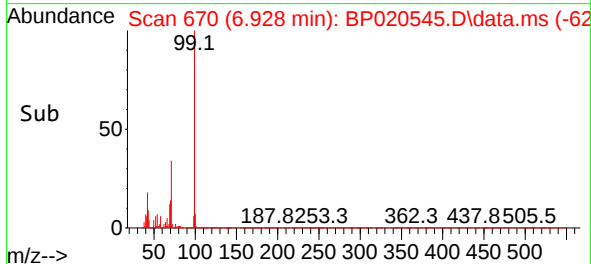
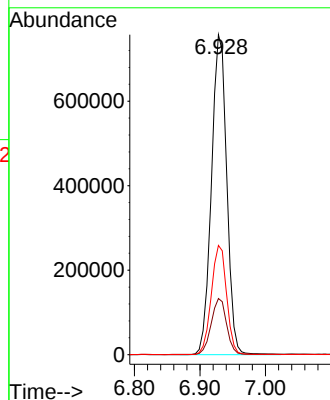
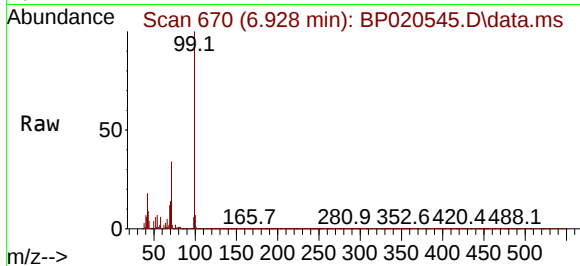




#7
Phenol-d6
Concen: 61.357 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

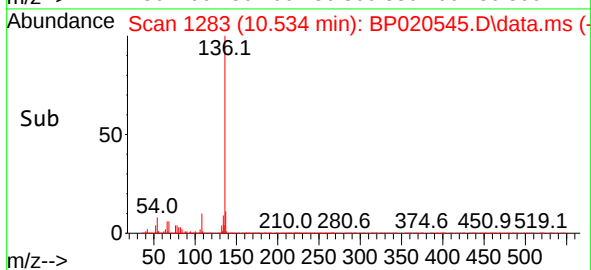
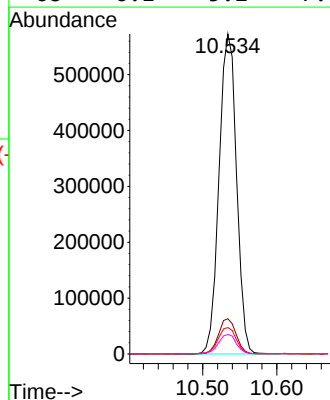
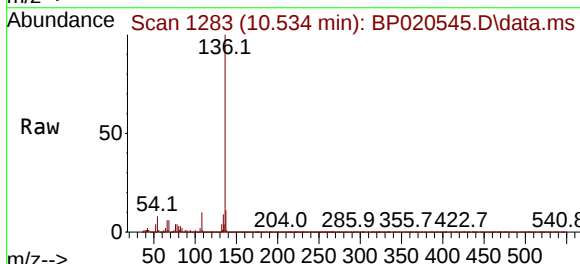
Instrument :
BNA_P
ClientSampleId :
WC-TP-2

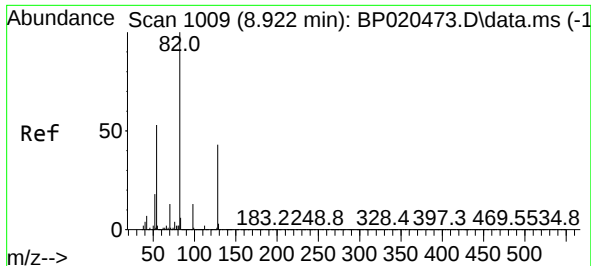
Tgt Ion: 99 Resp: 1226843
Ion Ratio Lower Upper
99 100
42 17.6 15.0 22.4
71 34.1 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

Tgt Ion:136 Resp: 939211
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.2 7.4 11.0
68 6.1 5.2 7.8

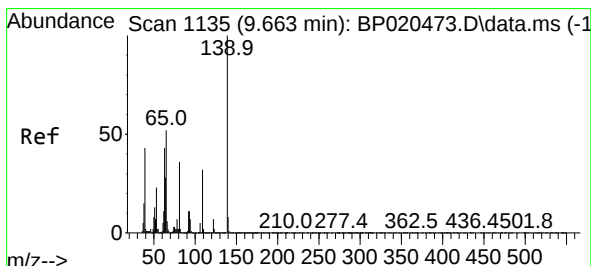
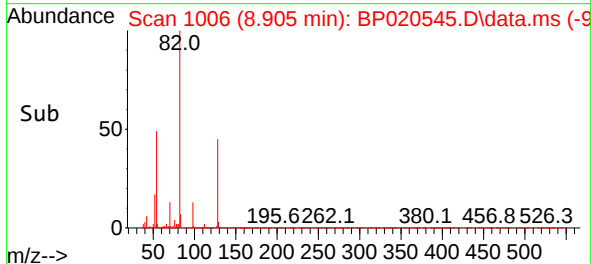
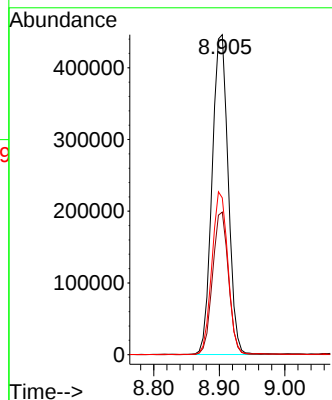
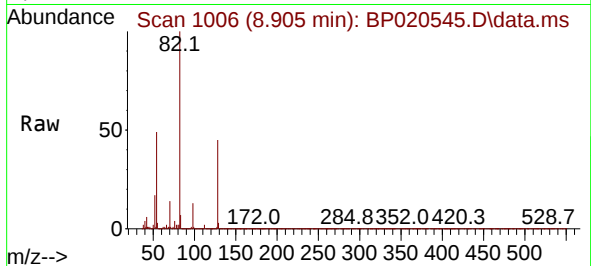




#23
Nitrobenzene-d5
Concen: 44.296 ng
RT: 8.905 min Scan# 1009
Delta R.T. -0.018 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

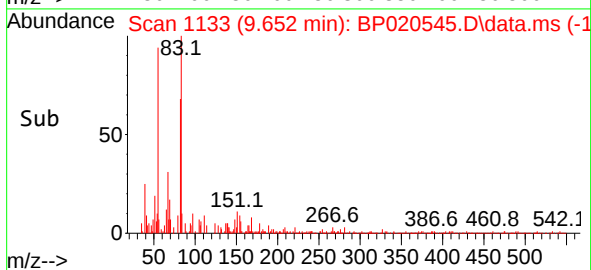
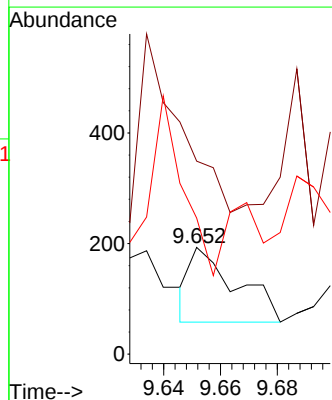
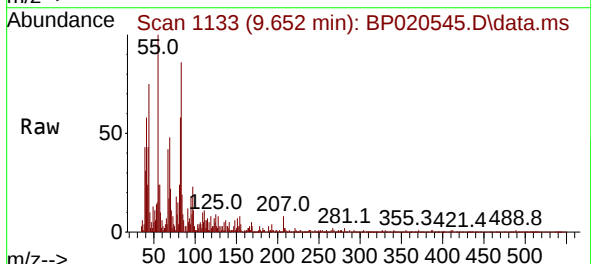
Instrument :
BNA_P
ClientSampleId :
WC-TP-2

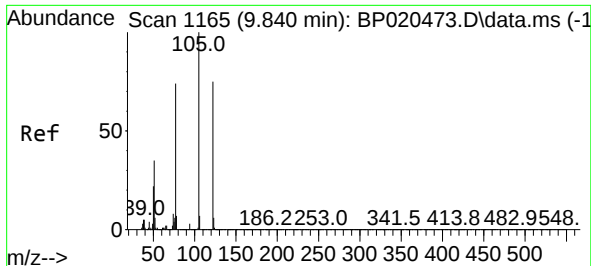
Tgt Ion: 82 Resp: 760021
Ion Ratio Lower Upper
82 100
128 44.6 34.2 51.4
54 49.0 42.7 64.1



#26
2-Nitrophenol
Concen: 3.812 ng
RT: 9.652 min Scan# 1133
Delta R.T. -0.011 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

Tgt Ion:139 Resp: 152
Ion Ratio Lower Upper
139 100
109 180.8 25.8 38.8#
65 127.5 41.8 62.8#

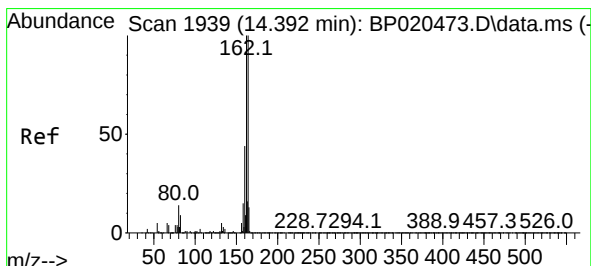
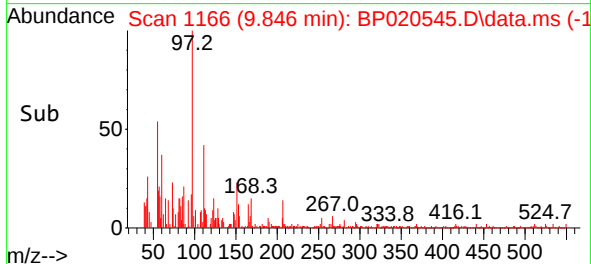
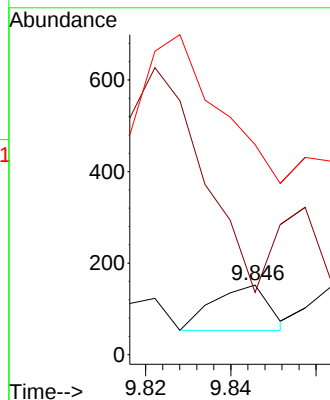
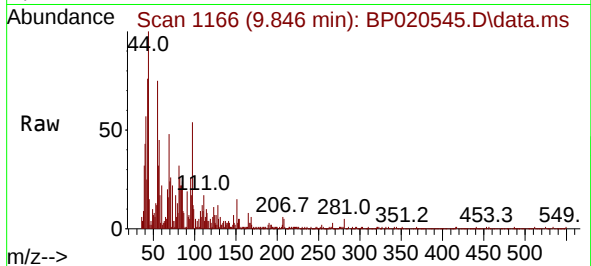




#32
Benzoic acid
Concen: 6.856 ng
RT: 9.846 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

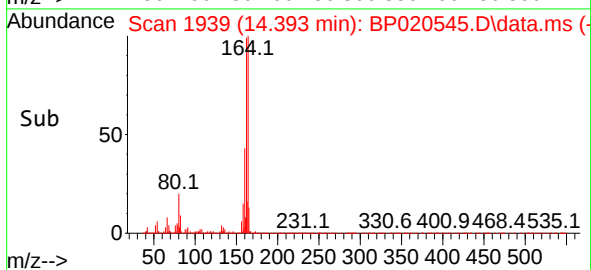
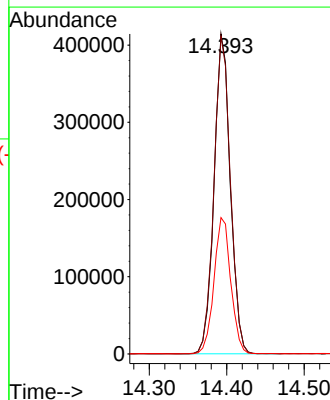
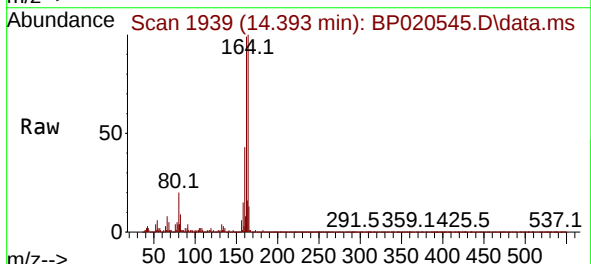
Instrument :
BNA_P
ClientSampleId :
WC-TP-2

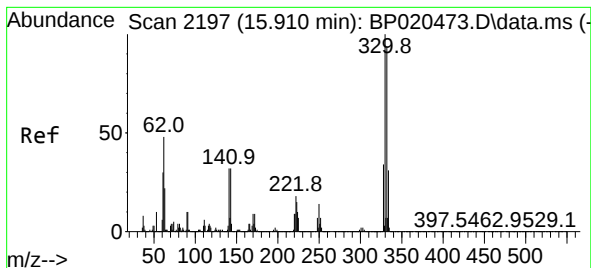
Tgt Ion:122 Resp: 90
Ion Ratio Lower Upper
122 100
105 89.5 107.5 147.5#
77 302.0 76.1 116.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1939
Delta R.T. 0.001 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

Tgt Ion:164 Resp: 601159
Ion Ratio Lower Upper
164 100
162 99.3 80.3 120.5
160 42.6 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 74.804 ng

RT: 15.910 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP020545.D

Acq: 06 Jun 2024 17:31

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

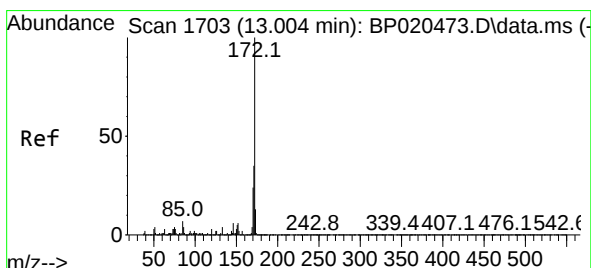
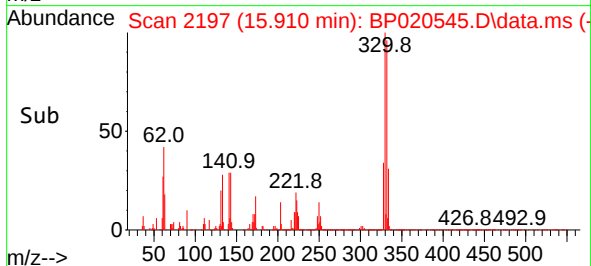
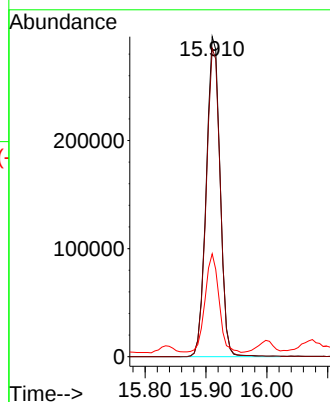
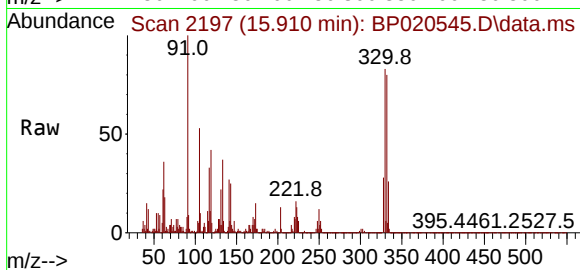
Tgt Ion:330 Resp: 466693

Ion Ratio Lower Upper

330 100

332 97.3 76.6 114.8

141 30.8 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 41.644 ng

RT: 13.004 min Scan# 1703

Delta R.T. 0.000 min

Lab File: BP020545.D

Acq: 06 Jun 2024 17:31

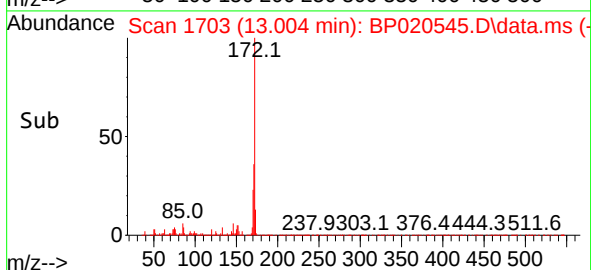
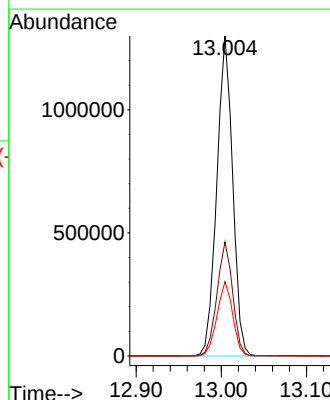
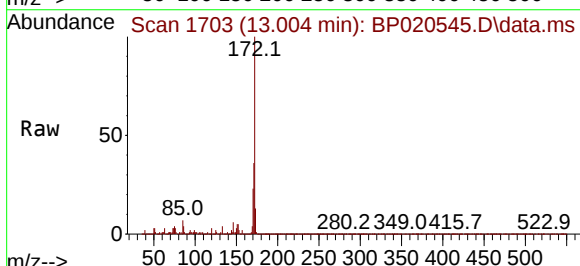
Tgt Ion:172 Resp: 1679347

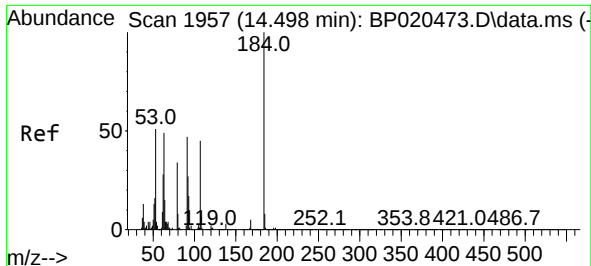
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.2 18.9 28.3

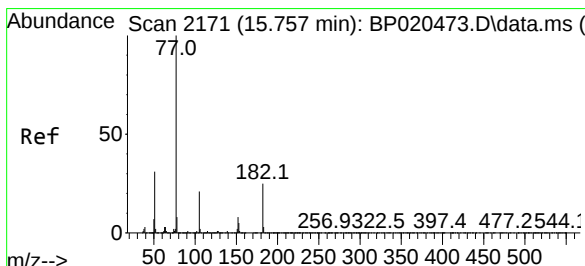
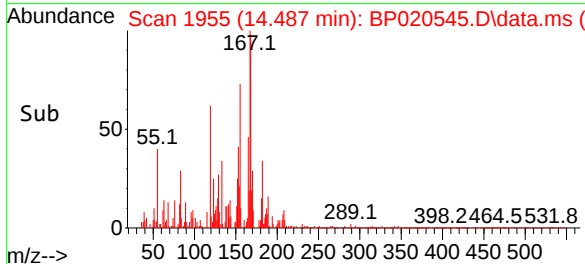
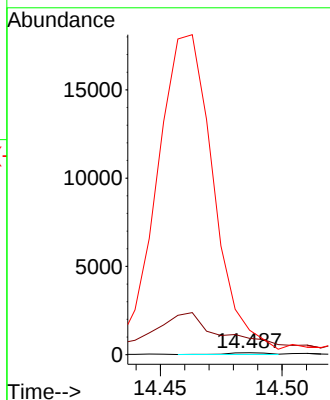
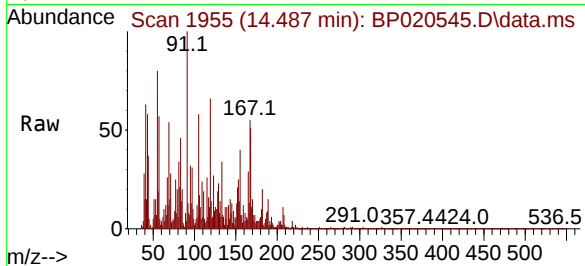




#54
2,4-Dinitrophenol
Concen: 5.013 ng
RT: 14.487 min Scan# 1955
Delta R.T. -0.011 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

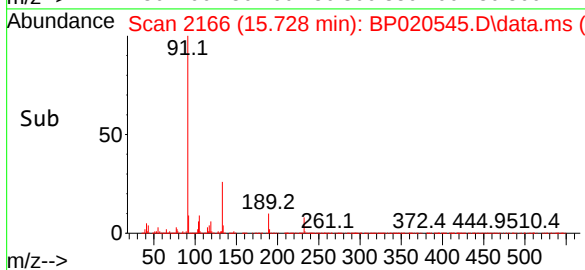
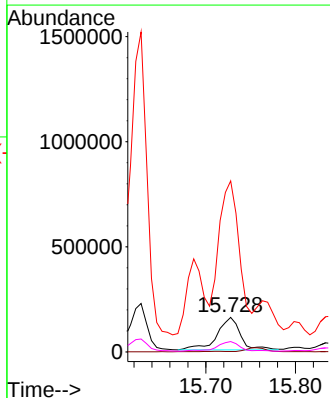
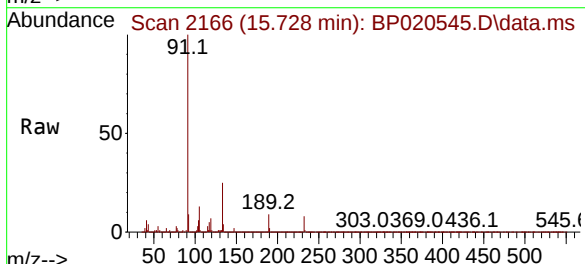
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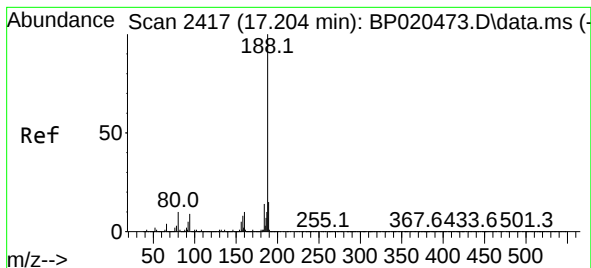
Tgt Ion:184 Resp: 122
Ion Ratio Lower Upper
184 100
63 853.7 54.2 81.4#
154 1284.3 51.0 76.6#



#63
Azobenzene
Concen: 6.876 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.029 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

Tgt Ion: 77 Resp: 276579
Ion Ratio Lower Upper
77 100
182 1.2 4.6 44.6#
105 493.7 1.2 41.2#
51 29.9 11.0 51.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.210 min Scan# 2417

Delta R.T. 0.006 min

Lab File: BP020545.D

Acq: 06 Jun 2024 17:31

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

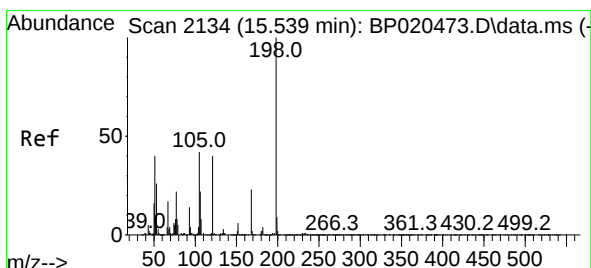
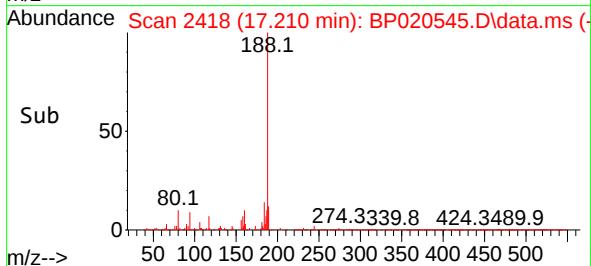
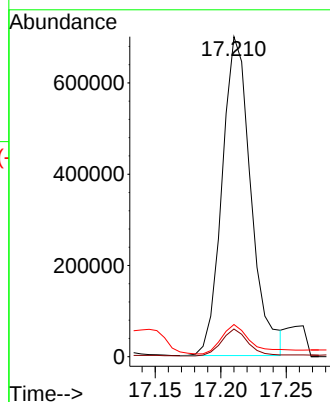
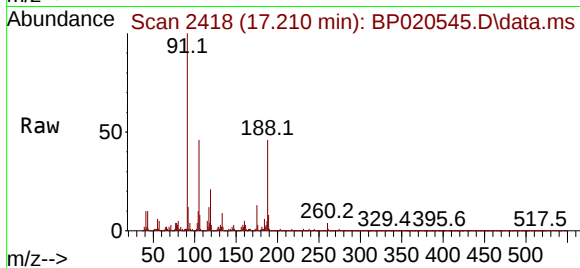
Tgt Ion:188 Resp: 1071976

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

80 10.1 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.680 ng

RT: 15.551 min Scan# 2136

Delta R.T. 0.012 min

Lab File: BP020545.D

Acq: 06 Jun 2024 17:31

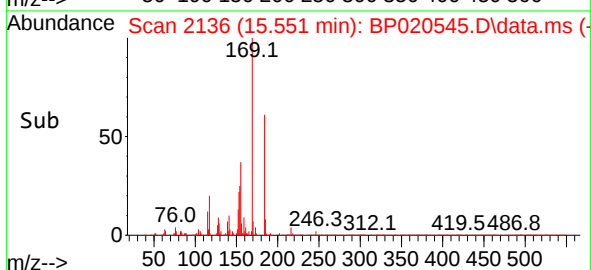
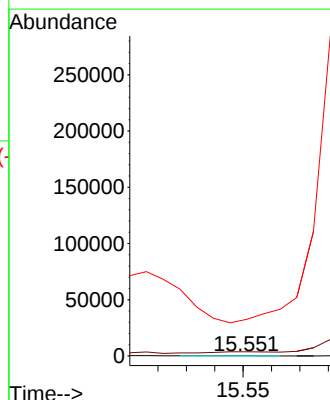
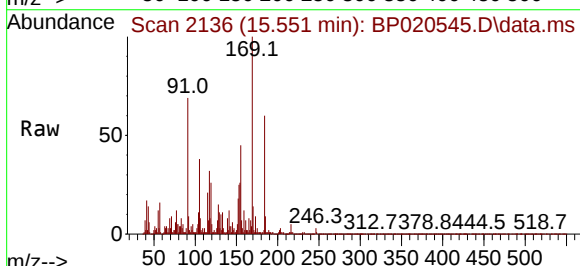
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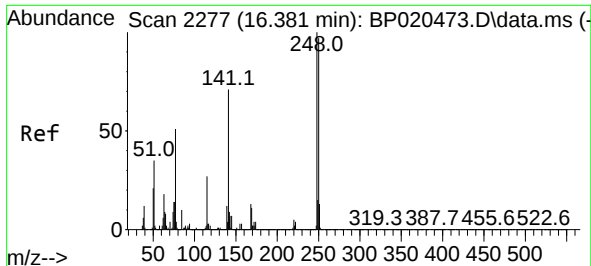
Ion Ratio Lower Upper

198 100

51 1874.4 24.8 64.8#

105 16738.5 23.2 63.2#

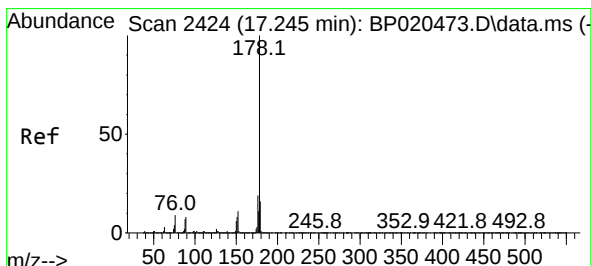
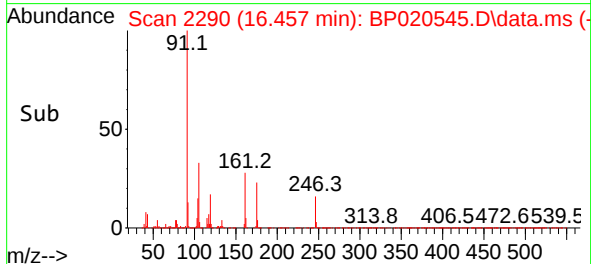
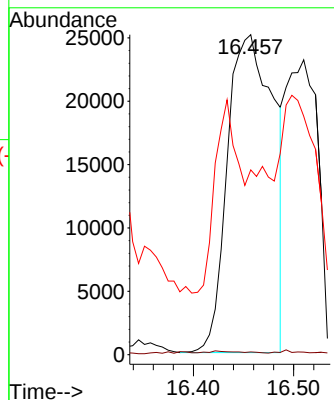
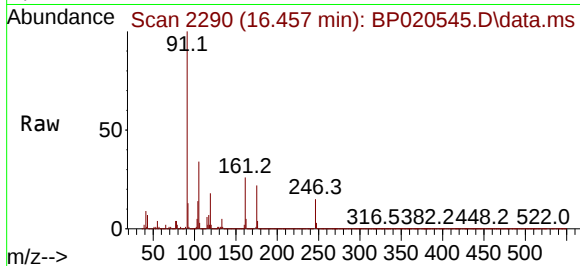




#67
4-Bromophenyl-phenylether
Concen: 7.347 ng
RT: 16.457 min Scan# 21
Delta R.T. 0.076 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

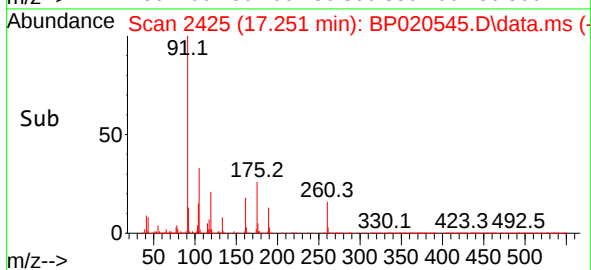
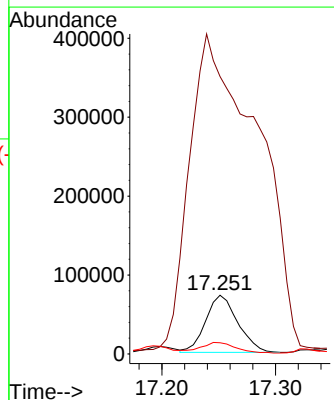
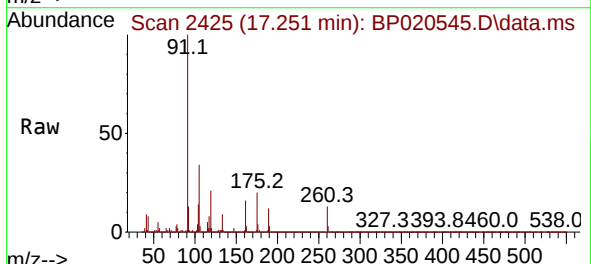
Instrument :
BNA_P
ClientSampleId :
WC-TP-2

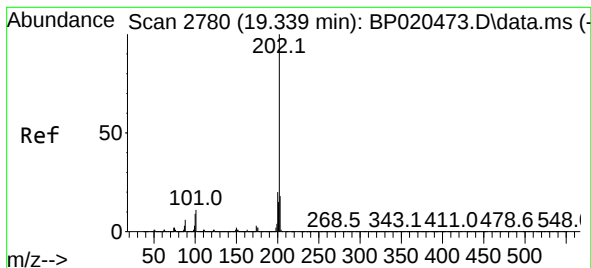
Tgt Ion:248 Resp: 80570
Ion Ratio Lower Upper
248 100
250 0.8 77.4 116.0#
141 57.8 56.5 84.7



#71
Phenanthrene
Concen: 2.694 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

Tgt Ion:178 Resp: 141956
Ion Ratio Lower Upper
178 100
176 472.4 15.4 23.2#
179 19.2 12.5 18.7#





#75

Fluoranthene

Concen: 17.535 ng

RT: 19.369 min Scan# 21

Delta R.T. 0.029 min

Lab File: BP020545.D

Acq: 06 Jun 2024 17:31

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

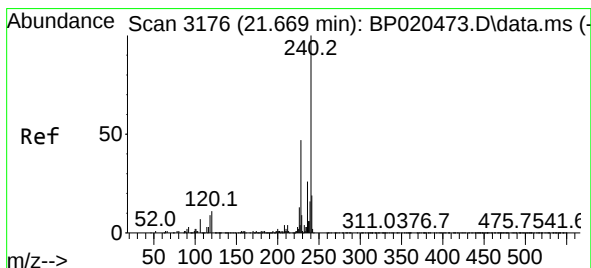
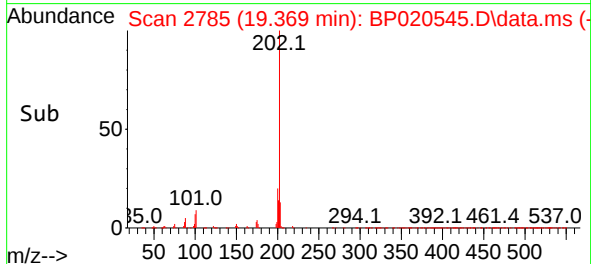
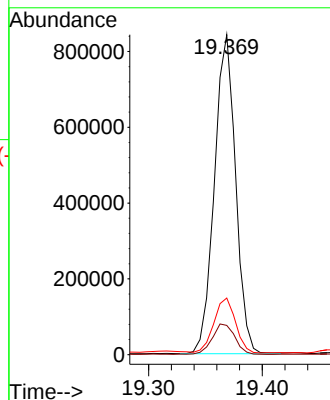
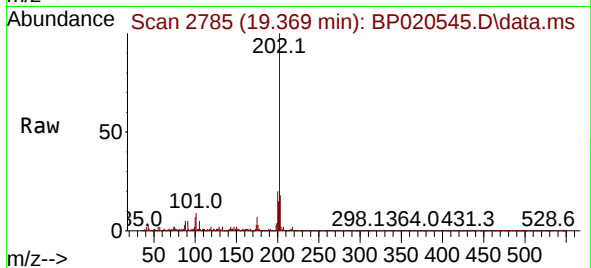
Tgt Ion:202 Resp: 1093134

Ion Ratio Lower Upper

202 100

101 9.2 0.0 31.4

203 17.7 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.663 min Scan# 3175

Delta R.T. -0.006 min

Lab File: BP020545.D

Acq: 06 Jun 2024 17:31

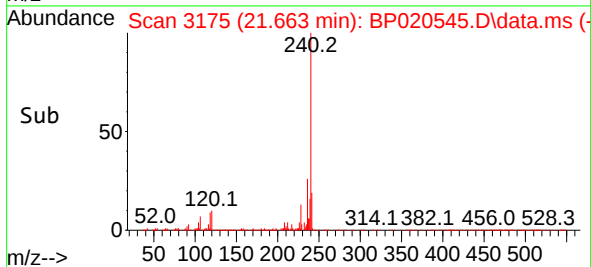
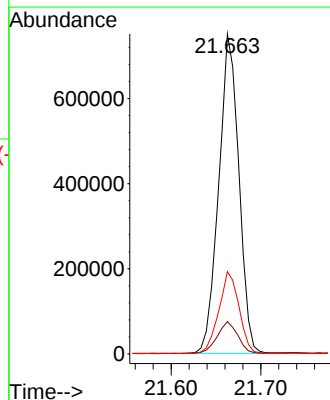
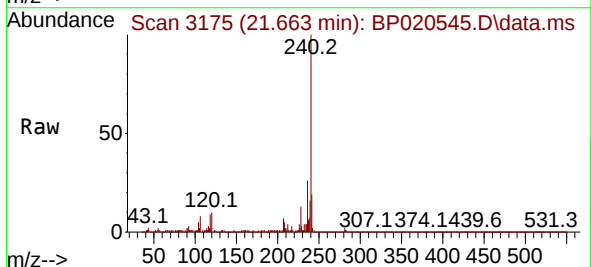
Tgt Ion:240 Resp: 1171394

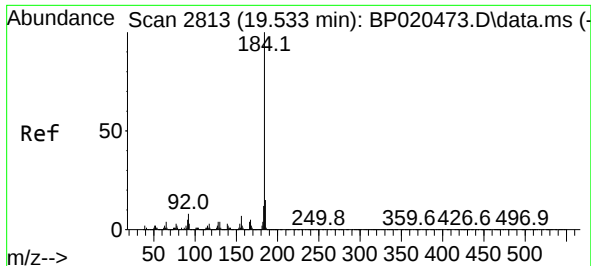
Ion Ratio Lower Upper

240 100

120 10.1 8.5 12.7

236 25.8 20.5 30.7

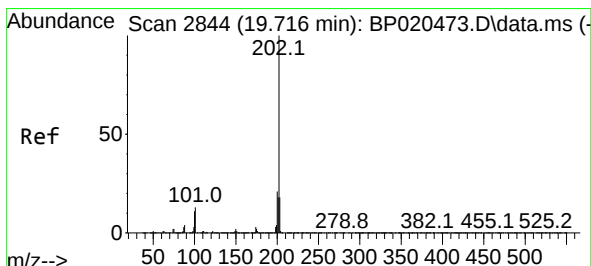
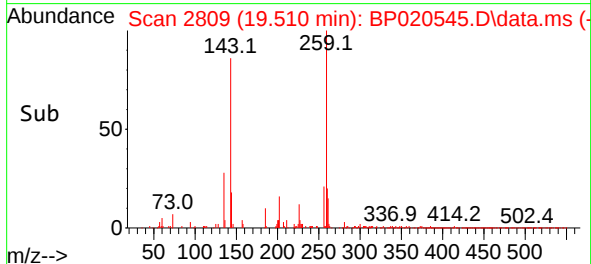
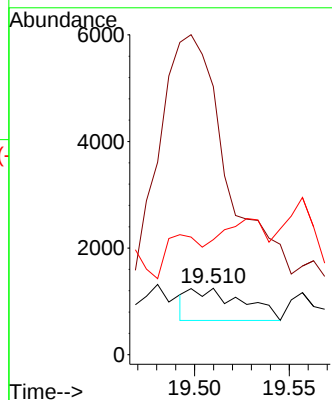
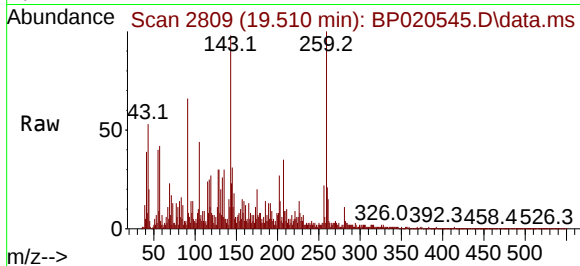




#77
Benzidine
Concen: 5.995 ng
RT: 19.510 min Scan# 2809
Delta R.T. -0.023 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

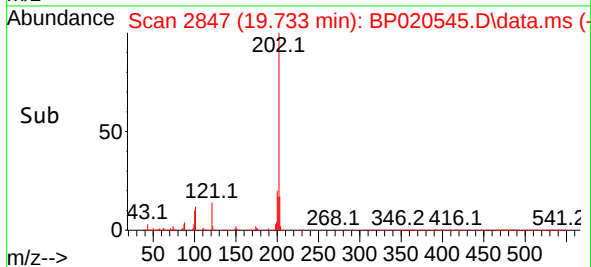
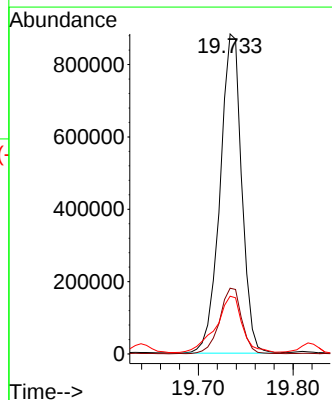
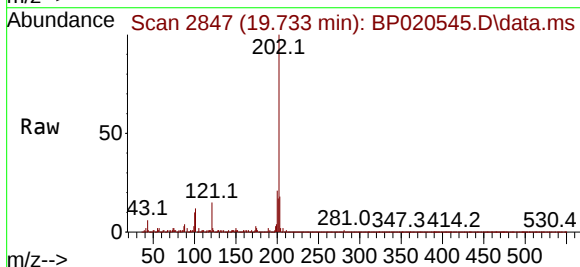
Instrument :
BNA_P
ClientSampleId :
WC-TP-2

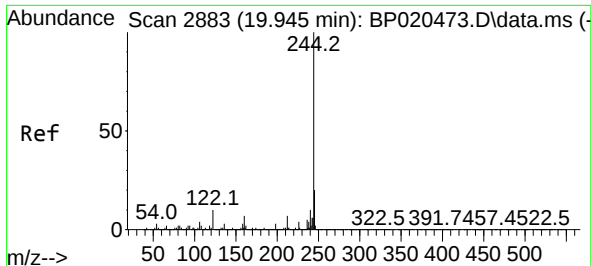
Tgt Ion:184 Resp: 1173
Ion Ratio Lower Upper
184 100
185 403.4 12.0 18.0#
183 173.2 9.4 14.0#



#78
Pyrene
Concen: 15.942 ng
RT: 19.733 min Scan# 2847
Delta R.T. 0.018 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

Tgt Ion:202 Resp: 1404643
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 18.0 14.1 21.1

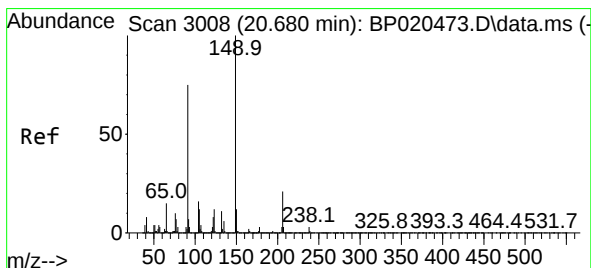
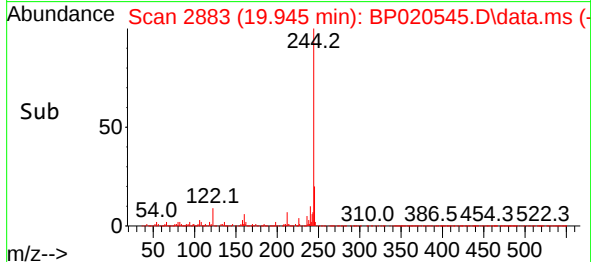
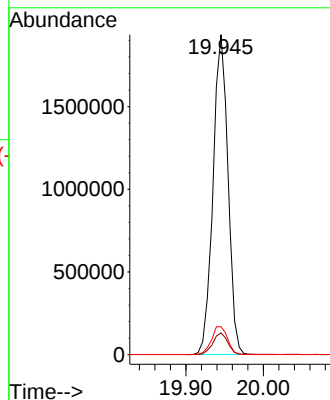
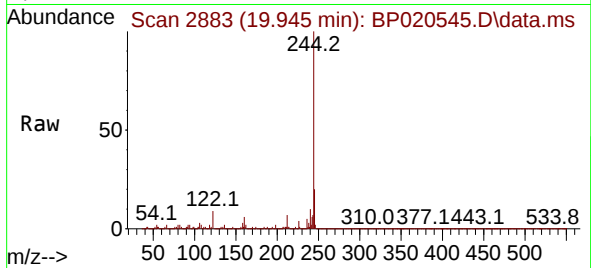




#79
 Terphenyl-d14
 Concen: 36.842 ng
 RT: 19.945 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP020545.D
 Acq: 06 Jun 2024 17:31

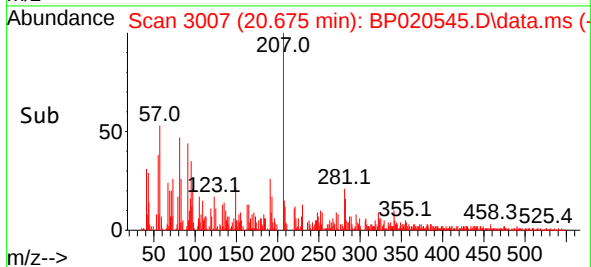
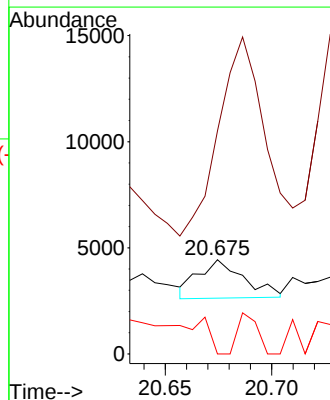
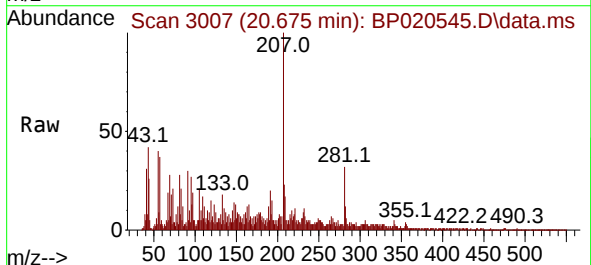
Instrument :
 BNA_P
 ClientSampleId :
 WC-TP-2

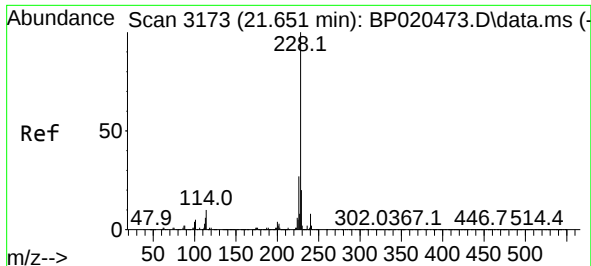
Tgt Ion:244 Resp: 2592445
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 8.8 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 2.503 ng
 RT: 20.675 min Scan# 3007
 Delta R.T. -0.005 min
 Lab File: BP020545.D
 Acq: 06 Jun 2024 17:31

Tgt Ion:149 Resp: 2694
 Ion Ratio Lower Upper
 149 100
 91 236.6 60.0 90.0#
 206 0.0 16.6 25.0#

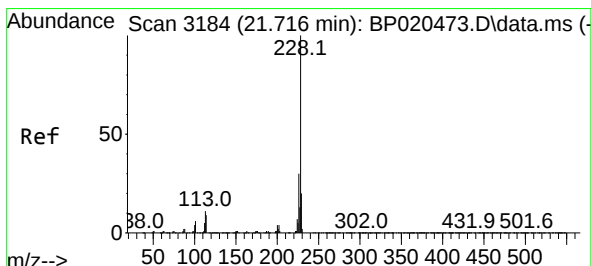
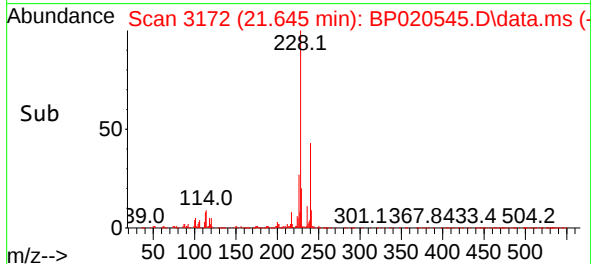
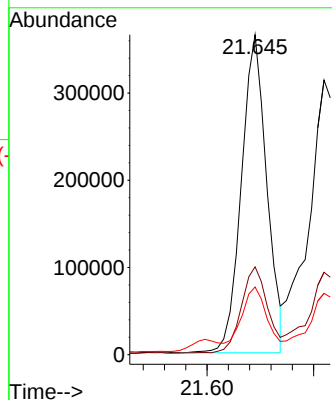
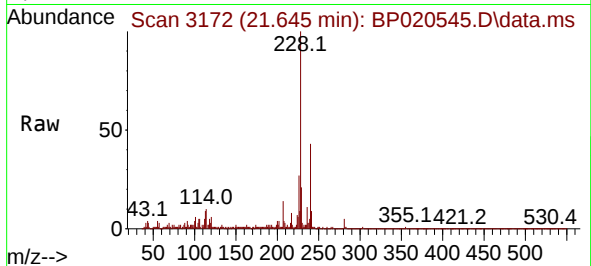




#81
Benzo(a)anthracene
Concen: 7.830 ng
RT: 21.645 min Scan# 3172
Delta R.T. -0.006 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

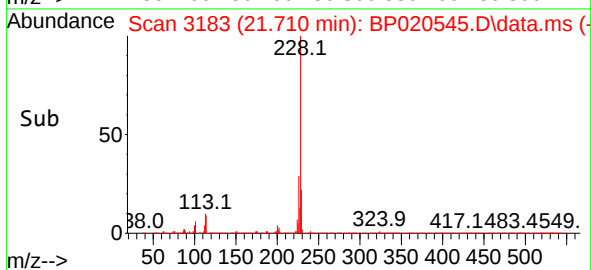
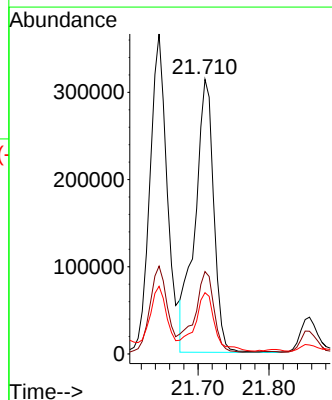
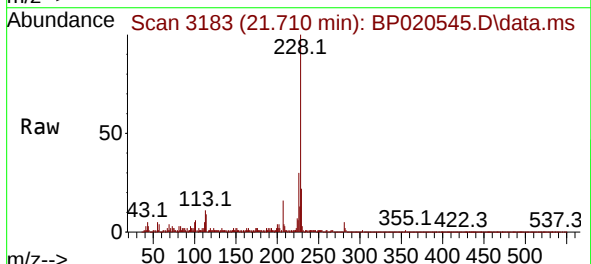
Instrument :
BNA_P
ClientSampleId :
WC-TP-2

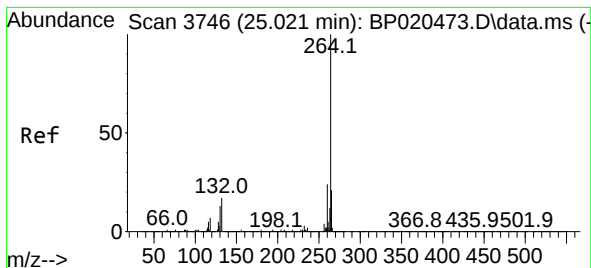
Tgt Ion:228 Resp: 603914
Ion Ratio Lower Upper
228 100
226 27.5 21.7 32.5
229 21.2 15.8 23.6



#83
Chrysene
Concen: 7.921 ng
RT: 21.710 min Scan# 3183
Delta R.T. -0.006 min
Lab File: BP020545.D
Acq: 06 Jun 2024 17:31

Tgt Ion:228 Resp: 575651
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 22.3 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: BP020545.D

Acq: 06 Jun 2024 17:31

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

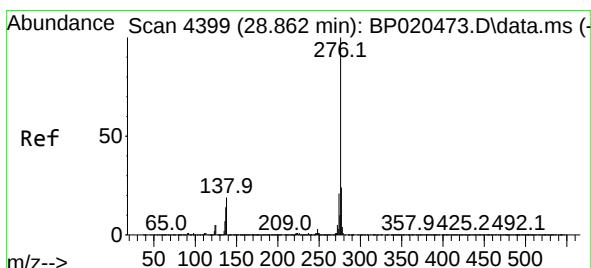
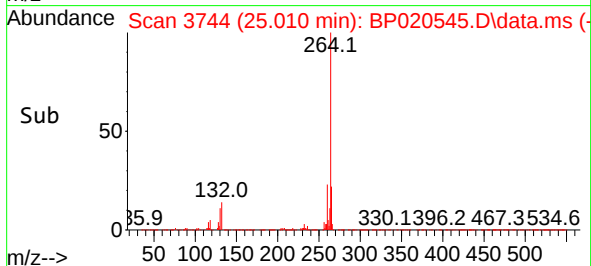
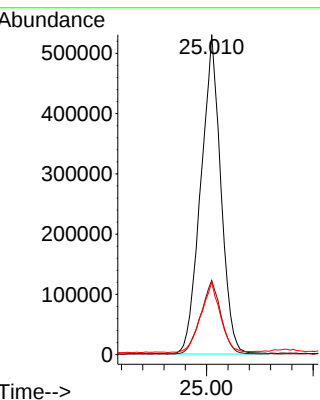
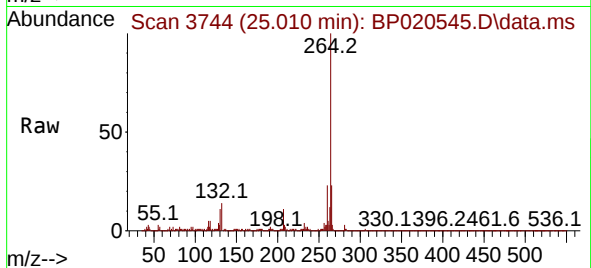
Tgt Ion:264 Resp: 1375244

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 22.6 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.363 ng

RT: 28.821 min Scan# 4392

Delta R.T. -0.041 min

Lab File: BP020545.D

Acq: 06 Jun 2024 17:31

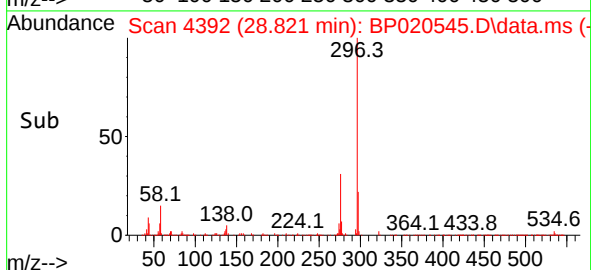
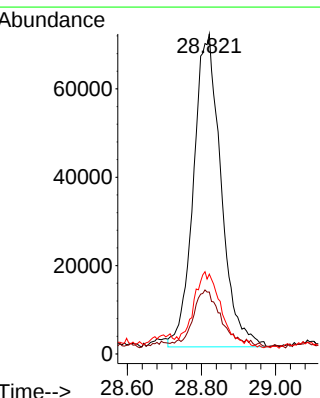
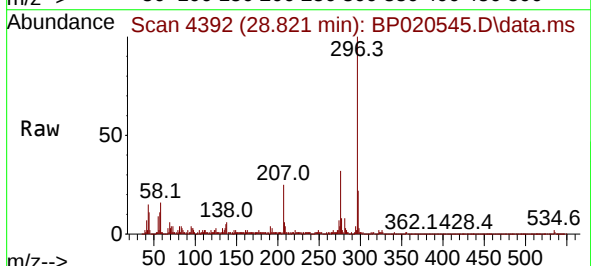
Tgt Ion:276 Resp: 364862

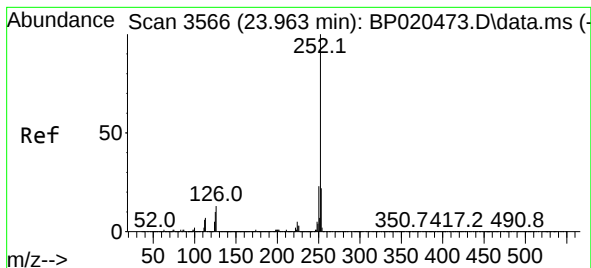
Ion Ratio Lower Upper

276 100

138 16.7 12.8 19.2

277 21.2 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 8.719 ng

RT: 23.945 min Scan# 3563

Delta R.T. -0.018 min

Lab File: BP020545.D

Acq: 06 Jun 2024 17:31

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

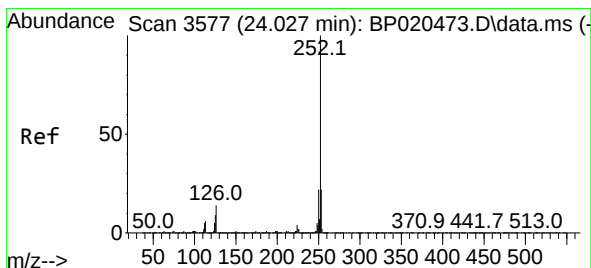
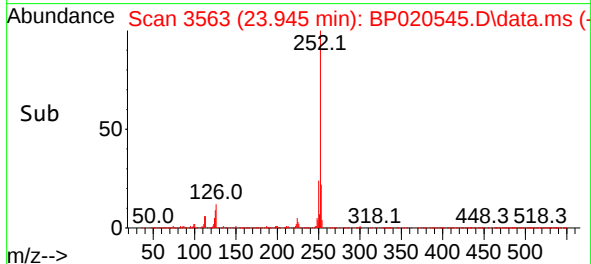
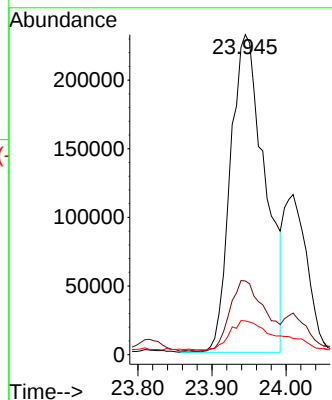
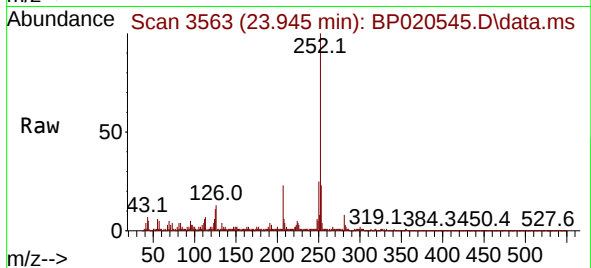
Tgt Ion:252 Resp: 747032

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 10.5 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 2.935 ng

RT: 24.010 min Scan# 3574

Delta R.T. -0.018 min

Lab File: BP020545.D

Acq: 06 Jun 2024 17:31

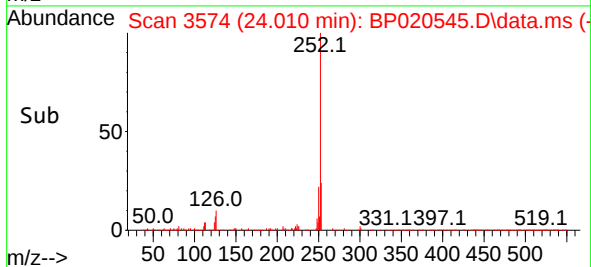
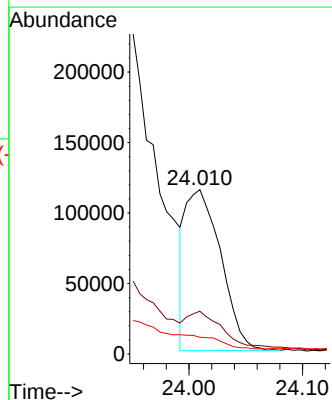
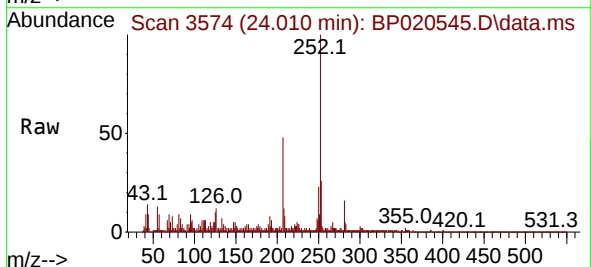
Tgt Ion:252 Resp: 245258

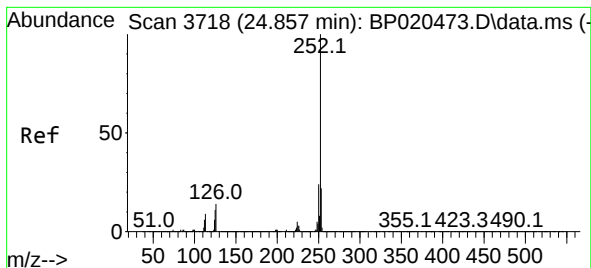
Ion Ratio Lower Upper

252 100

253 26.0 17.7 26.5

125 10.1 7.8 11.6





#90

Benzo(a)pyrene

Concen: 7.440 ng

RT: 24.839 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP020545.D

Acq: 06 Jun 2024 17:31

Instrument :

BNA_P

ClientSampleId :

WC-TP-2

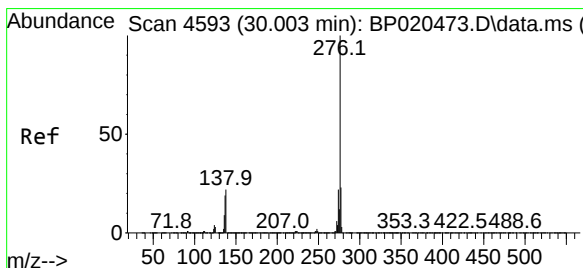
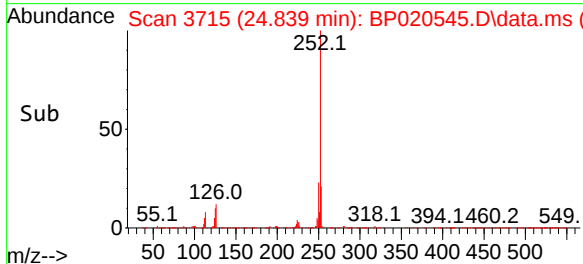
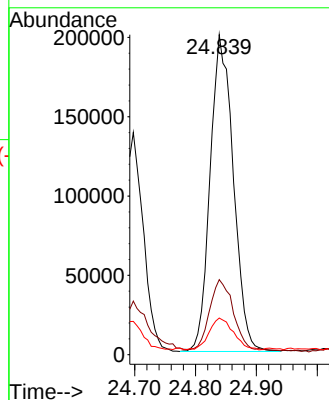
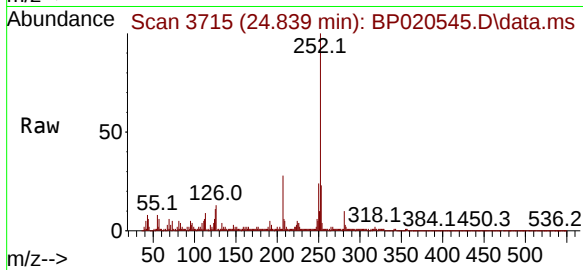
Tgt Ion:252 Resp: 527898

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 11.4 8.9 13.3



#92

Benzo(g,h,i)perylene

Concen: 5.314 ng

RT: 29.986 min Scan# 4590

Delta R.T. -0.018 min

Lab File: BP020545.D

Acq: 06 Jun 2024 17:31

Tgt Ion:276 Resp: 370476

Ion Ratio Lower Upper

276 100

277 26.4 18.7 28.1

138 20.5 17.7 26.5

