

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060624\
 Data File : BP020544.D
 Acq On : 06 Jun 2024 16:46
 Operator : MA/JU
 Sample : P2668-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-TP-1

Quant Time: Jun 06 17:19:14 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)

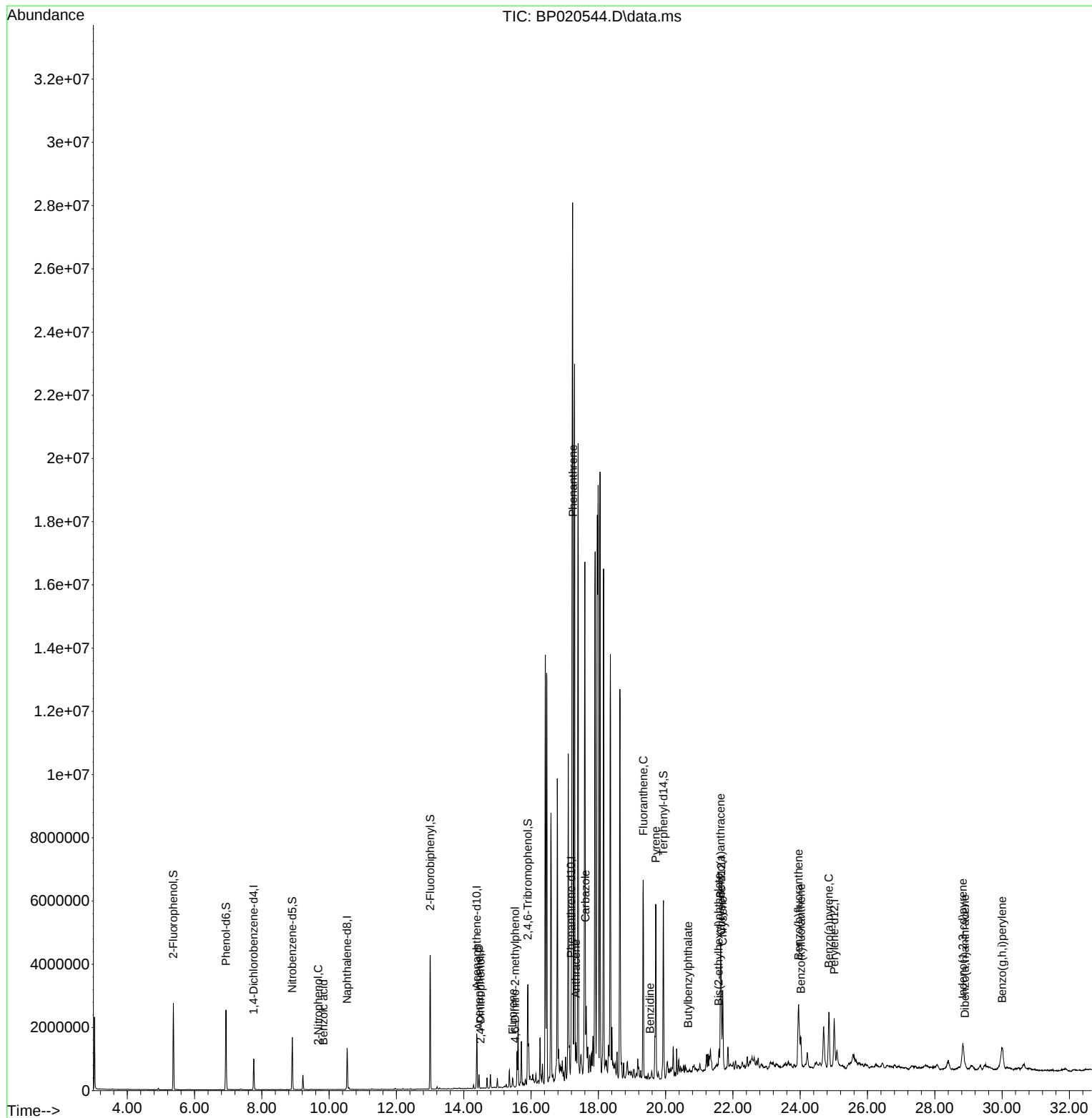
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	258347	20.000	ng	-0.01
21) Naphthalene-d8	10.534	136	1021950	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	651723	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1279010	20.000	ng	-0.01
76) Chrysene-d12	21.651	240	1254360	20.000	ng	-0.02
86) Perylene-d12	25.010	264	1498372	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.370	112	1156696	80.164	ng	0.00
7) Phenol-d6	6.934	99	1513269	74.367	ng	0.00
23) Nitrobenzene-d5	8.905	82	935372	50.103	ng	-0.02
42) 2,4,6-Tribromophenol	15.904	330	664748	98.283	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	2101493	48.069	ng	0.00
79) Terphenyl-d14	19.933	244	3313261	43.972	ng	-0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.675	139	12	3.793	ng	# 1
32) Benzoic acid	9.828	122	34	6.851	ng	# 52
52) Acenaphthene	14.451	154	148303	4.333	ng	99
54) 2,4-Dinitrophenol	14.498	184	118	5.008	ng	# 1
58) Fluorene	15.457	166	126333	2.903	ng	97
65) 4,6-Dinitro-2-methylph...	15.528	198	160	7.677	ng	# 1
71) Phenanthrene	17.245	178	1571445	24.994	ng	98
72) Anthracene	17.334	178	505320	8.191	ng	97
73) Carbazole	17.616	167	227670	3.815	ng	98
75) Fluoranthene	19.334	202	4195413	56.405	ng	99
77) Benzidine	19.539	184	692	5.984	ng	# 1
78) Pyrene	19.710	202	3744331	39.685	ng	99
80) Butylbenzylphthalate	20.669	149	8536	2.644	ng	# 73
81) Benzo(a)anthracene	21.633	228	2045185	24.762	ng	99
83) Chrysene	21.698	228	1815767	23.331	ng	97
84) Bis(2-ethylhexyl)phtha...	21.580	149	167567	3.121	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.833	276	1403192	15.400	ng	# 90
88) Benzo(b)fluoranthene	23.951	252	2617314	28.039	ng	99
89) Benzo(k)fluoranthene	24.022	252	860070	9.447	ng	96
90) Benzo(a)pyrene	24.851	252	1976138	25.562	ng	98
91) Dibenzo(a,h)anthracene	28.898	278	326871	4.301	ng	# 91
92) Benzo(g,h,i)perylene	30.004	276	1462625	19.254	ng	97

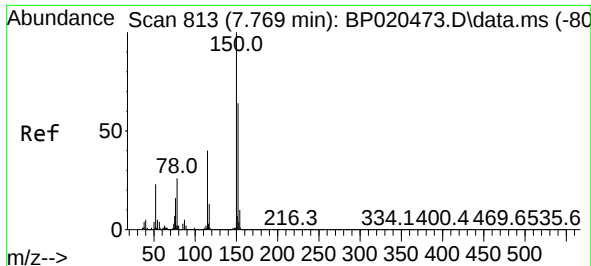
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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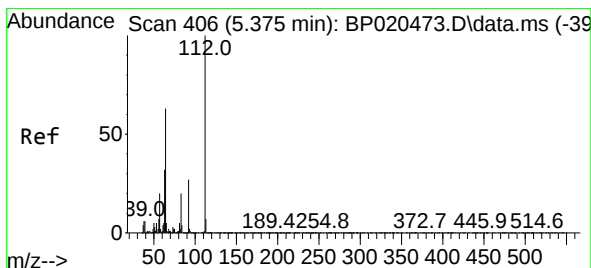
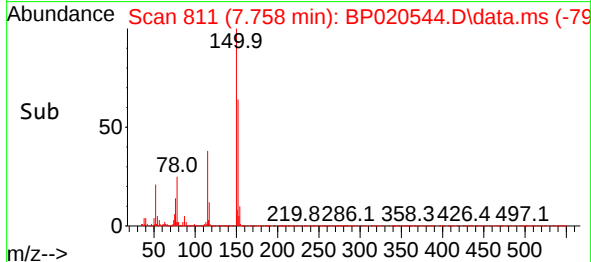
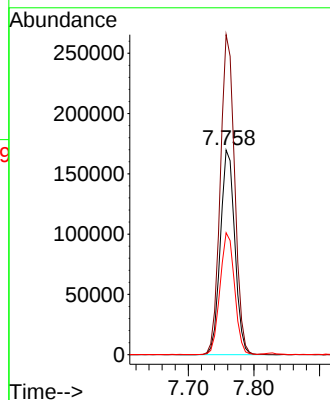
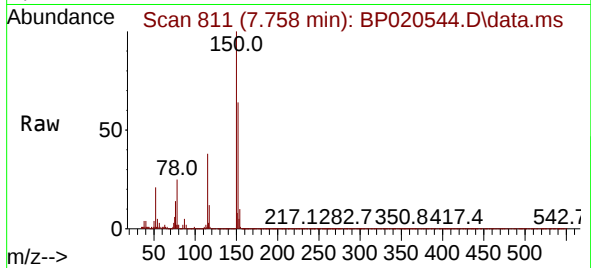




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 813
Delta R.T. -0.011 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

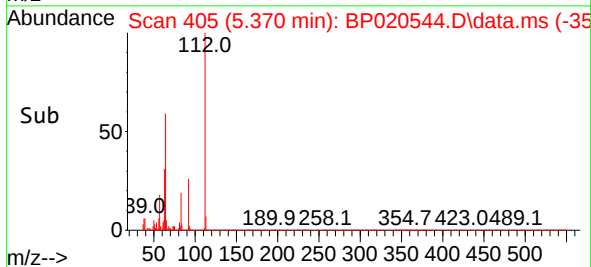
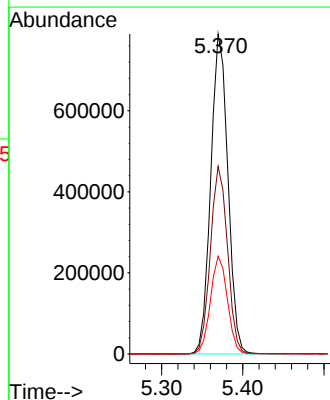
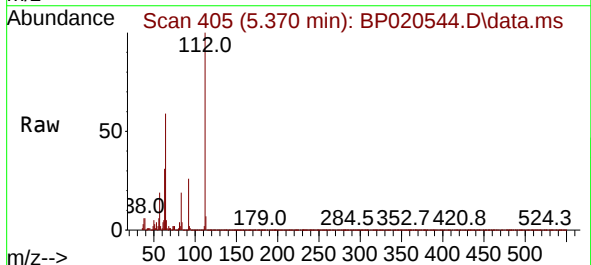
Instrument :
BNA_P
ClientSampleId :
WC-TP-1

Tgt Ion:152 Resp: 258347
Ion Ratio Lower Upper
152 100
150 156.4 124.2 186.2
115 59.5 49.5 74.3



#5
2-Fluorophenol
Concen: 80.164 ng
RT: 5.370 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

Tgt Ion:112 Resp: 1156696
Ion Ratio Lower Upper
112 100
64 58.6 50.1 75.1
63 30.5 25.7 38.5

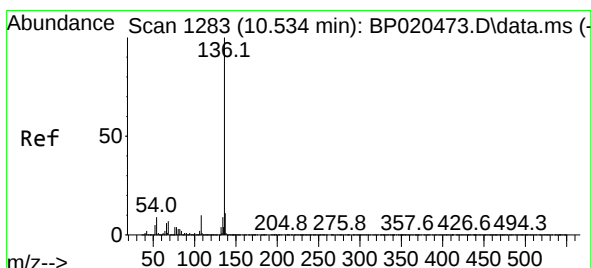
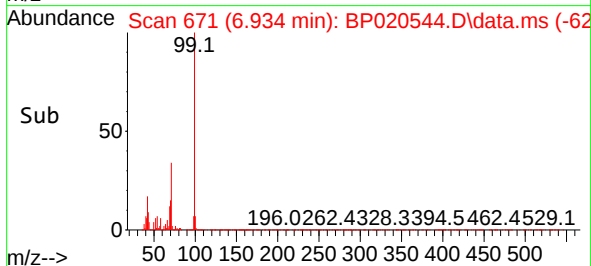
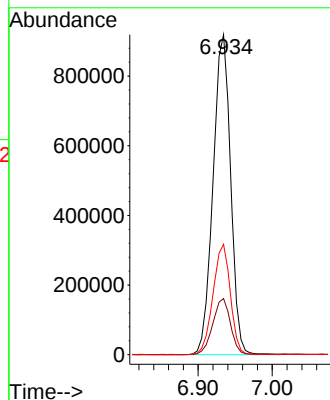
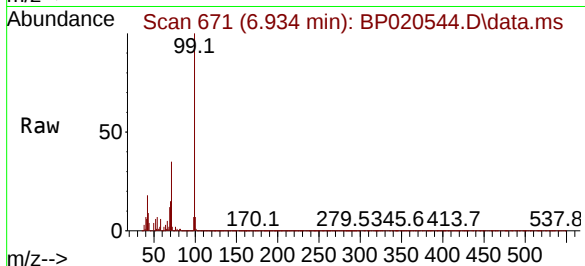




#7
Phenol-d6
Concen: 74.367 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

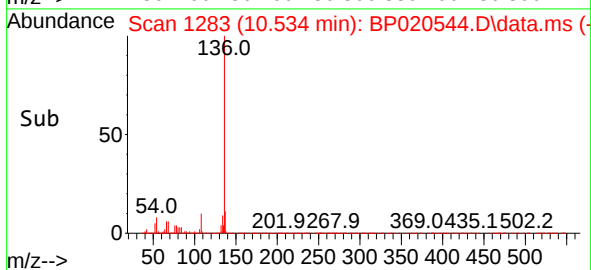
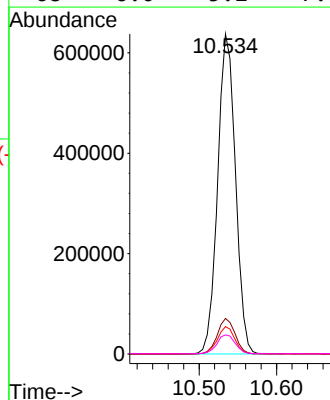
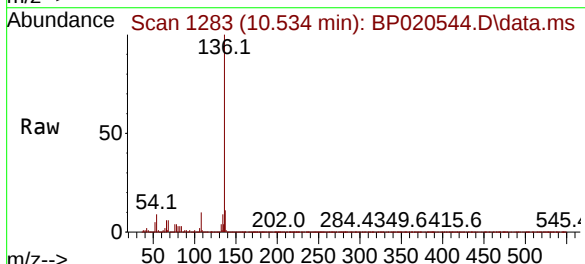
Instrument :
BNA_P
ClientSampleId :
WC-TP-1

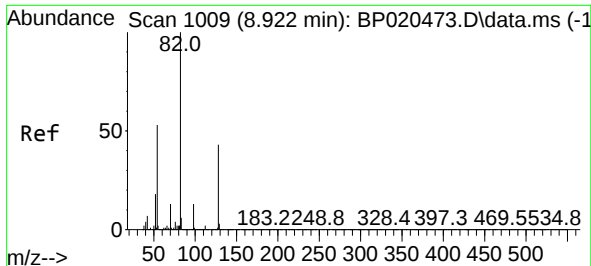
Tgt Ion: 99 Resp: 1513269
Ion Ratio Lower Upper
99 100
42 17.5 15.0 22.4
71 34.5 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

Tgt Ion: 136 Resp: 1021950
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.5 7.4 11.0
68 6.0 5.2 7.8

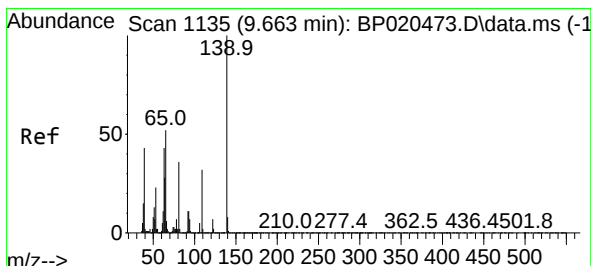
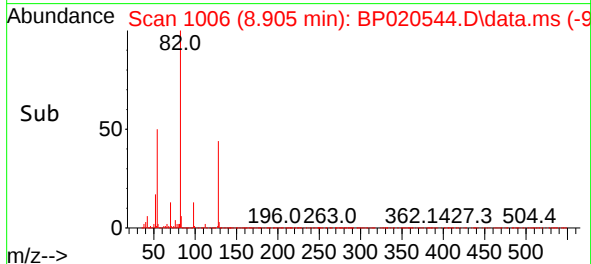
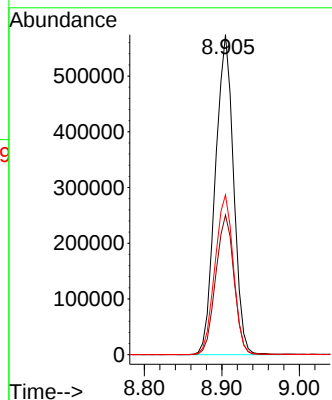
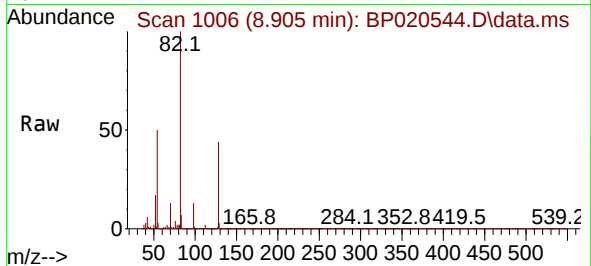




#23
Nitrobenzene-d5
Concen: 50.103 ng
RT: 8.905 min Scan# 1106
Delta R.T. -0.018 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

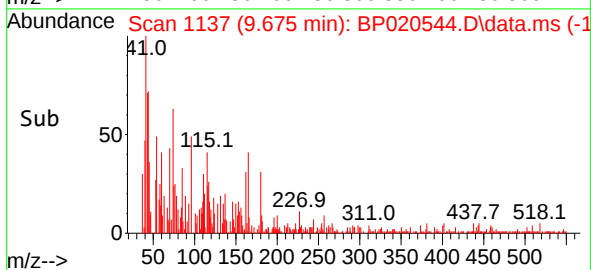
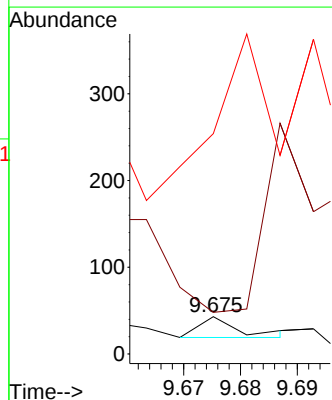
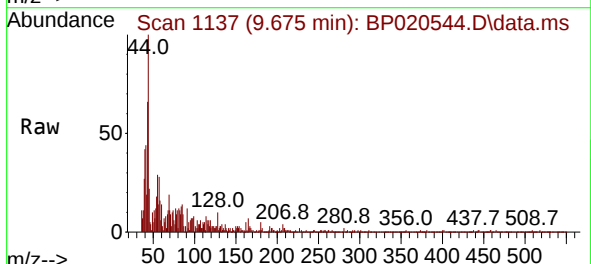
Instrument :
BNA_P
ClientSampleId :
WC-TP-1

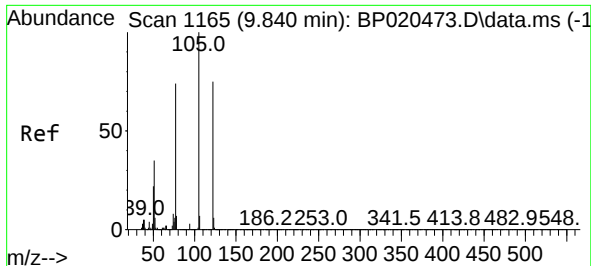
Tgt Ion: 82 Resp: 935372
Ion Ratio Lower Upper
82 100
128 43.7 34.2 51.4
54 50.0 42.7 64.1



#26
2-Nitrophenol
Concen: 3.793 ng
RT: 9.675 min Scan# 1137
Delta R.T. 0.012 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

Tgt Ion:139 Resp: 12
Ion Ratio Lower Upper
139 100
109 111.6 25.8 38.8#
65 590.7 41.8 62.8#

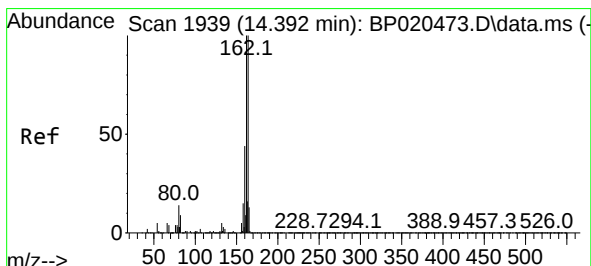
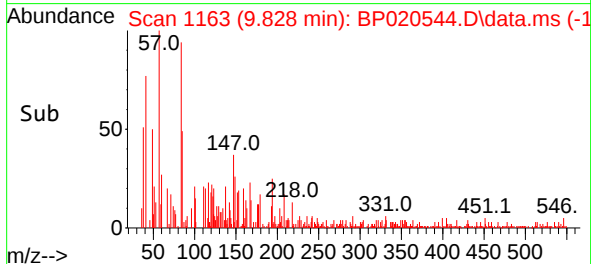
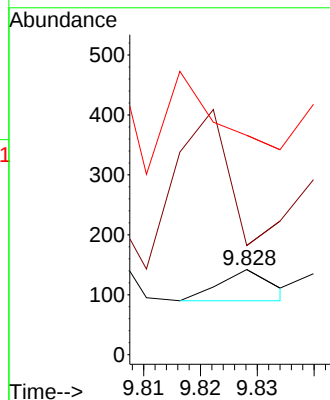
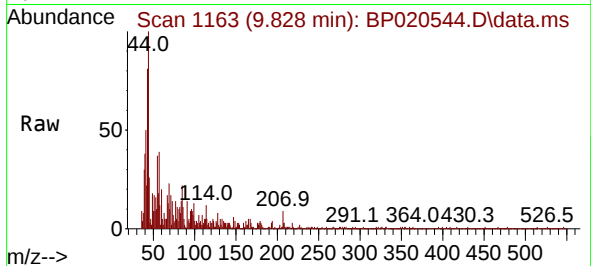




#32
Benzoic acid
Concen: 6.851 ng
RT: 9.828 min Scan# 1163
Delta R.T. -0.012 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

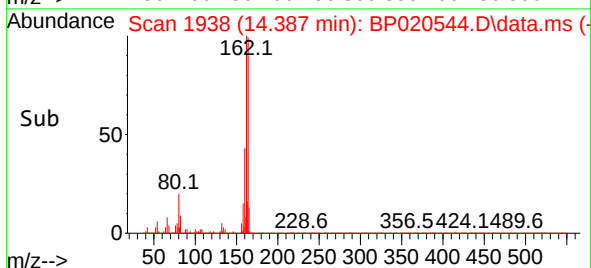
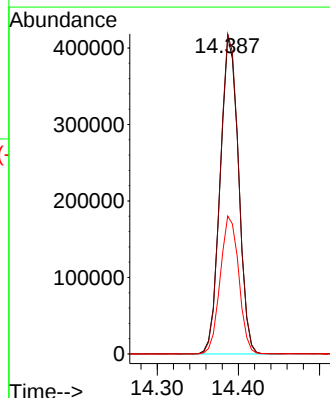
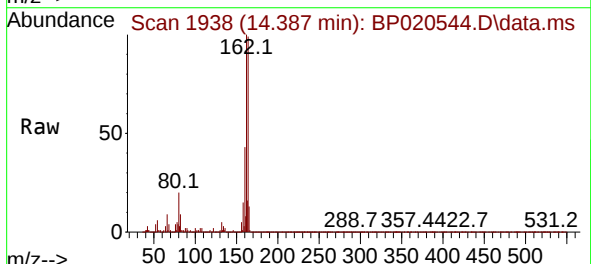
Instrument :
BNA_P
ClientSampleId :
WC-TP-1

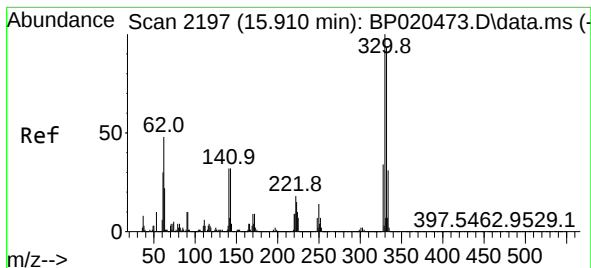
Tgt Ion:122 Resp: 34
Ion Ratio Lower Upper
122 100
105 69.7 107.5 147.5#
77 140.2 76.1 116.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

Tgt Ion:164 Resp: 651723
Ion Ratio Lower Upper
164 100
162 100.9 80.3 120.5
160 43.5 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 98.283 ng

RT: 15.904 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

Instrument :

BNA_P

ClientSampleId :

WC-TP-1

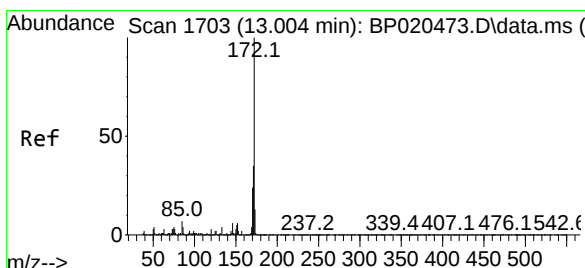
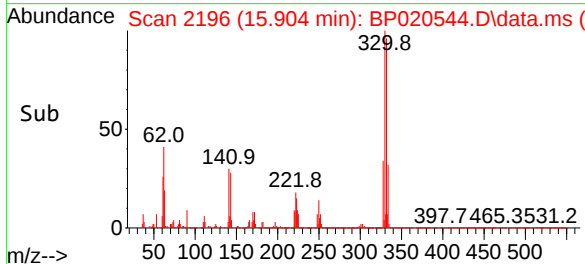
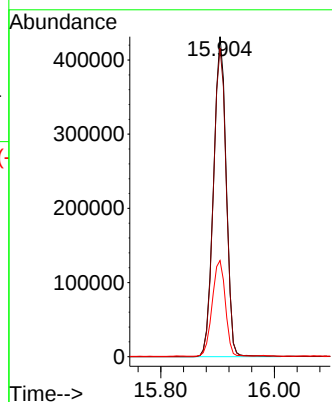
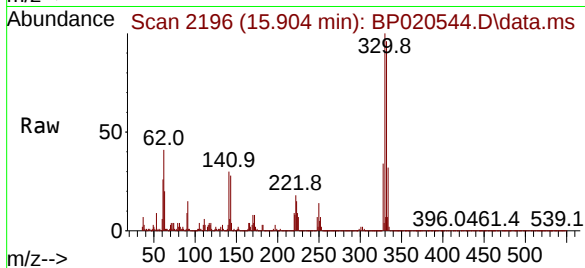
Tgt Ion:330 Resp: 664748

Ion Ratio Lower Upper

330 100

332 98.0 76.6 114.8

141 30.9 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 48.069 ng

RT: 13.004 min Scan# 1703

Delta R.T. 0.000 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

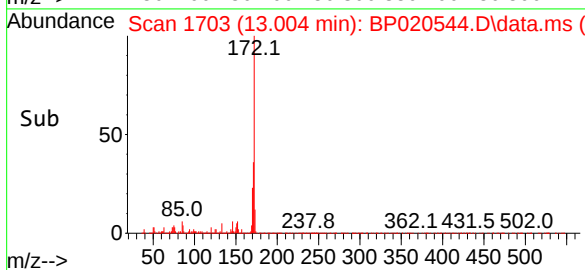
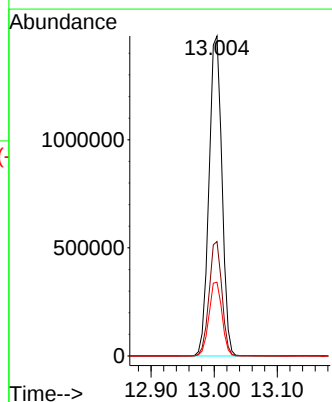
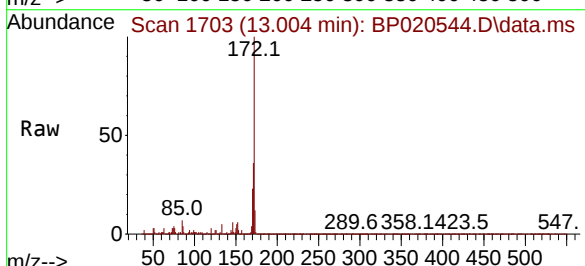
Tgt Ion:172 Resp: 2101493

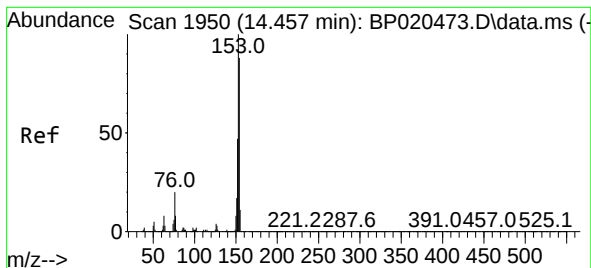
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.1 18.9 28.3





#52

Acenaphthene

Concen: 4.333 ng

RT: 14.451 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

Instrument :

BNA_P

ClientSampleId :

WC-TP-1

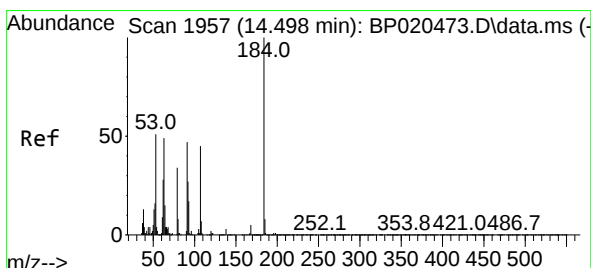
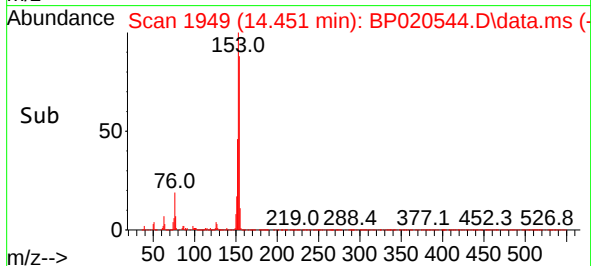
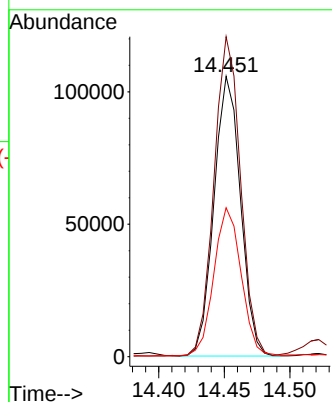
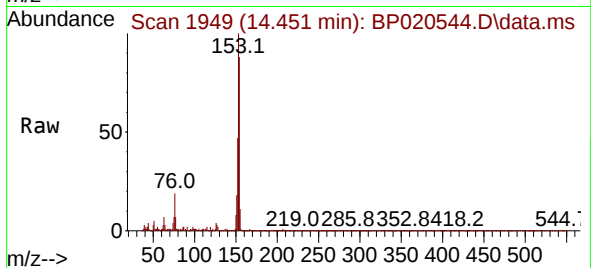
Tgt Ion:154 Resp: 148303

Ion Ratio Lower Upper

154 100

153 114.2 90.6 136.0

152 53.2 42.6 63.8



#54

2,4-Dinitrophenol

Concen: 5.008 ng

RT: 14.498 min Scan# 1957

Delta R.T. 0.000 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

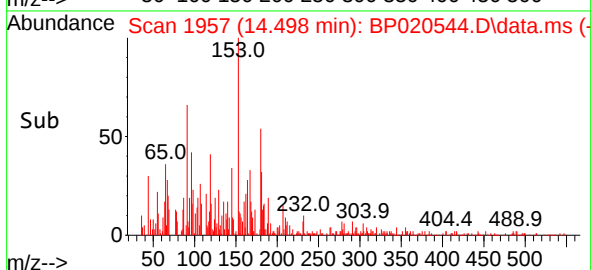
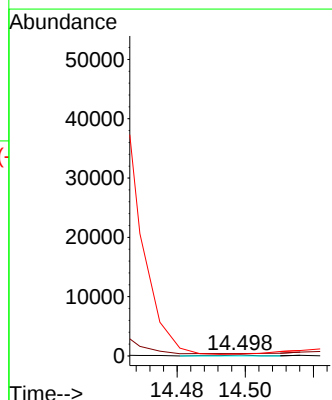
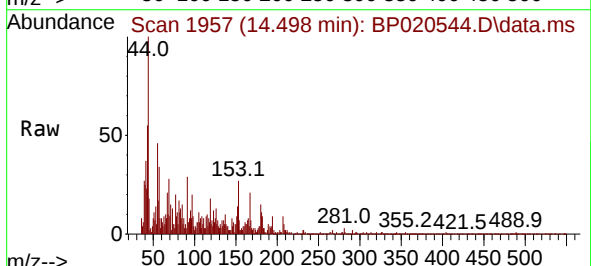
Tgt Ion:184 Resp: 118

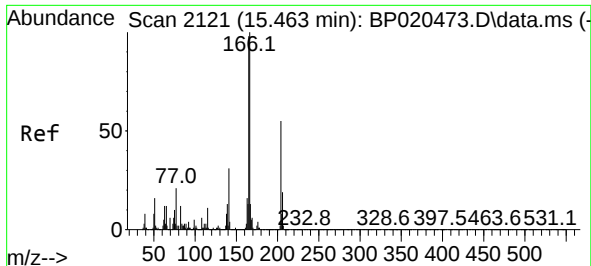
Ion Ratio Lower Upper

184 100

63 248.8 54.2 81.4#

154 196.4 51.0 76.6#

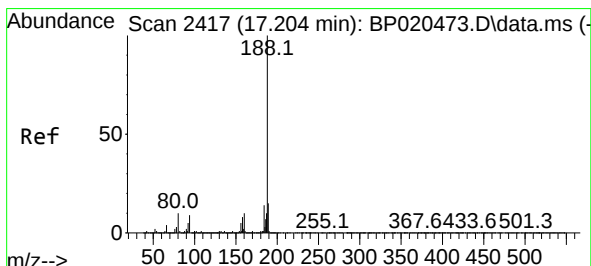
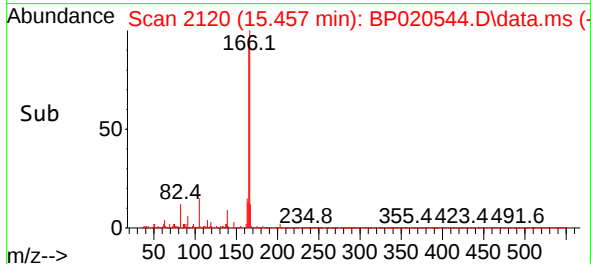
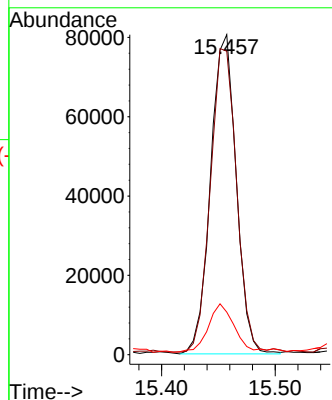
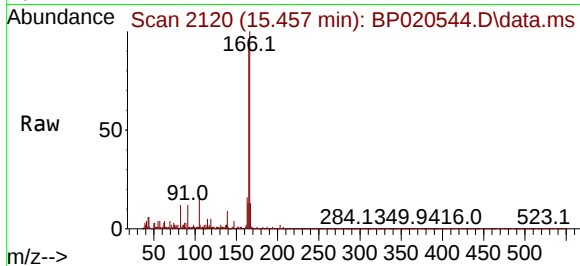




#58
Fluorene
Concen: 2.903 ng
RT: 15.457 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

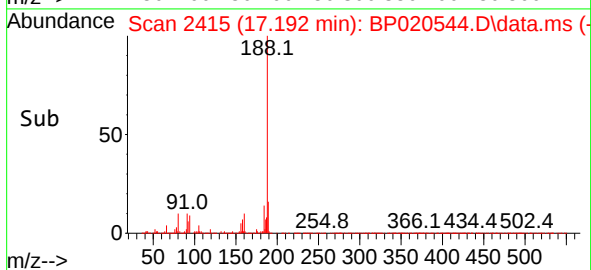
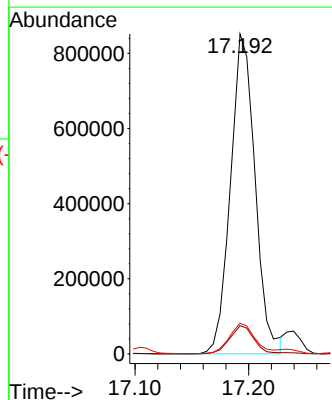
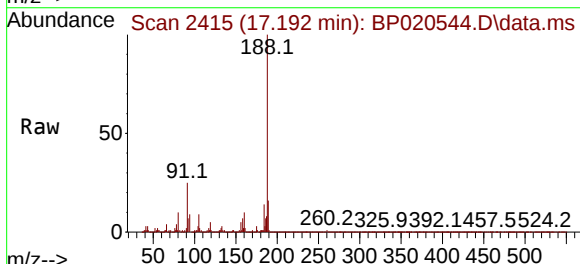
Instrument :
BNA_P
ClientSampleId :
WC-TP-1

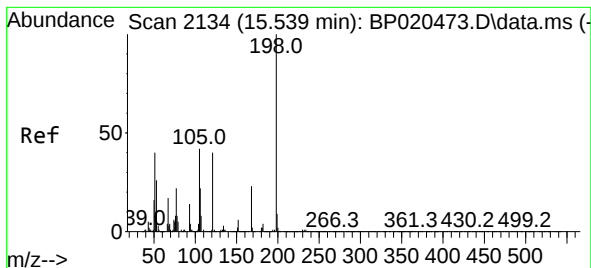
Tgt Ion:166 Resp: 126333
Ion Ratio Lower Upper
166 100
165 94.8 78.2 117.4
167 13.3 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

Tgt Ion:188 Resp: 1279010
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 9.6 8.1 12.1

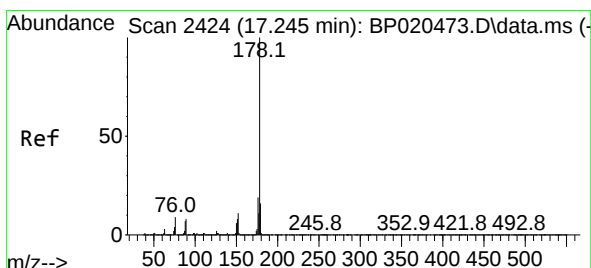
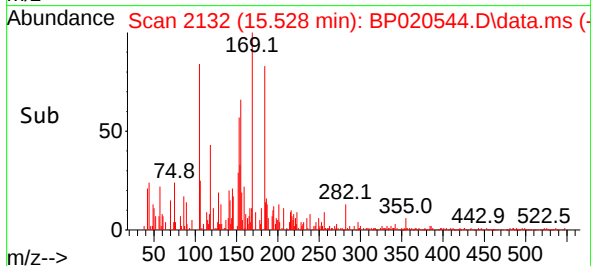
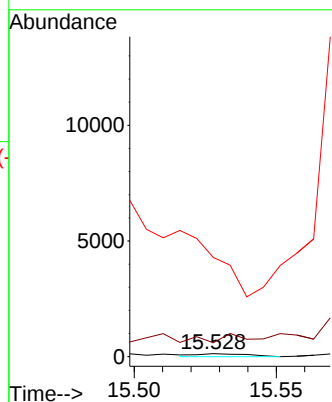
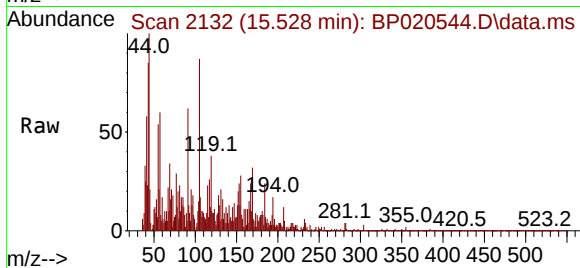




#65
4,6-Dinitro-2-methylphenol
Concen: 7.677 ng
RT: 15.528 min Scan# 2134
Delta R.T. -0.011 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

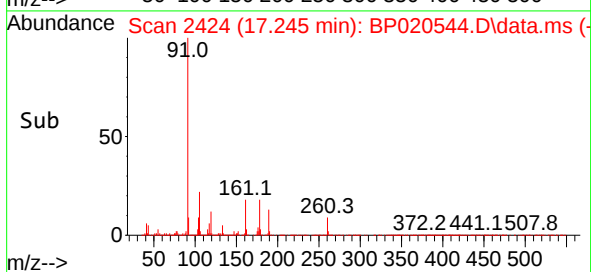
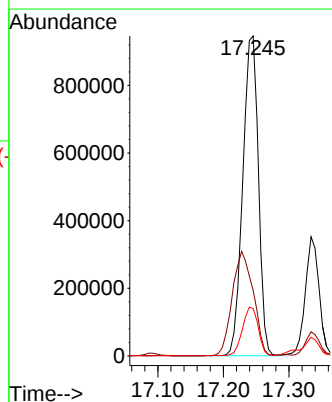
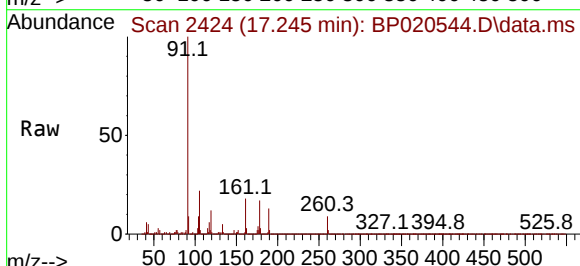
Instrument :
BNA_P
ClientSampleId :
WC-TP-1

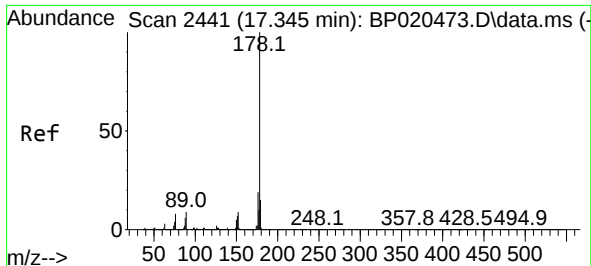
Tgt Ion:198 Resp: 160
Ion Ratio Lower Upper
198 100
51 461.5 24.8 64.8#
105 3296.9 23.2 63.2#



#71
Phenanthrene
Concen: 24.994 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

Tgt Ion:178 Resp: 1571445
Ion Ratio Lower Upper
178 100
176 20.5 15.4 23.2
179 14.8 12.5 18.7

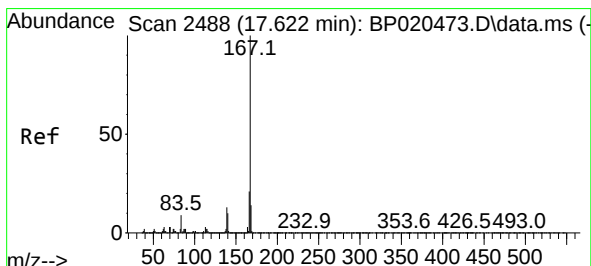
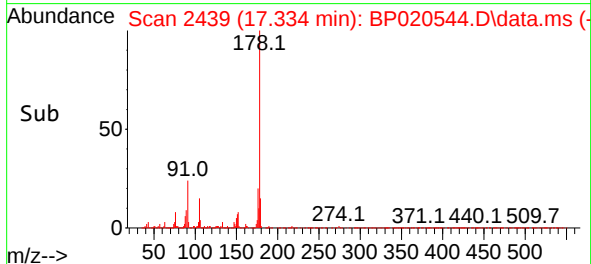
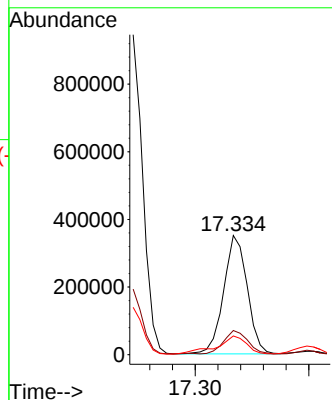
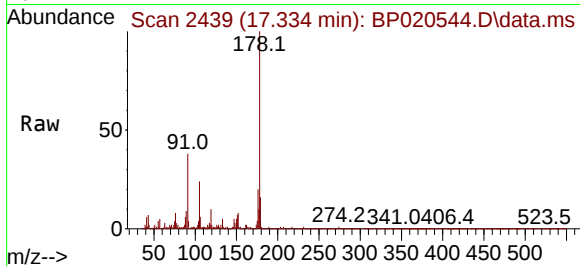




#72
Anthracene
Concen: 8.191 ng
RT: 17.334 min Scan# 2441
Delta R.T. -0.012 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

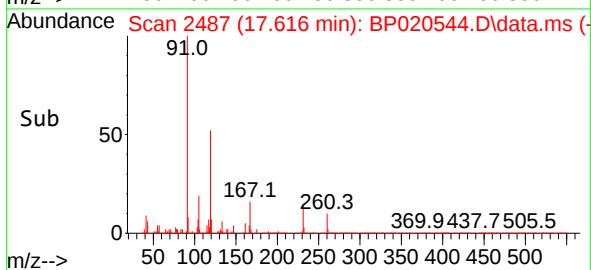
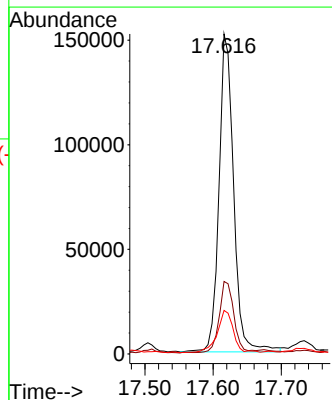
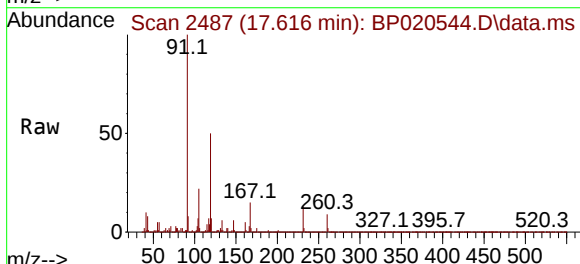
Instrument :
BNA_P
ClientSampleId :
WC-TP-1

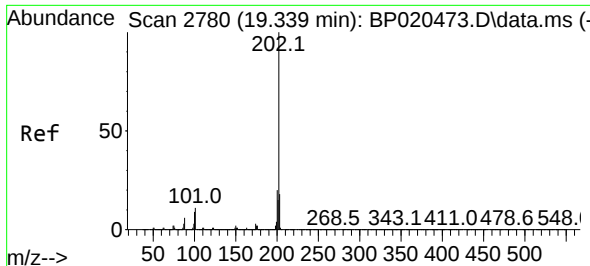
Tgt Ion:178 Resp: 505320
Ion Ratio Lower Upper
178 100
176 20.3 14.8 22.2
179 15.7 12.2 18.4



#73
Carbazole
Concen: 3.815 ng
RT: 17.616 min Scan# 2487
Delta R.T. -0.006 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

Tgt Ion:167 Resp: 227670
Ion Ratio Lower Upper
167 100
166 22.7 17.1 25.7
139 13.6 10.5 15.7

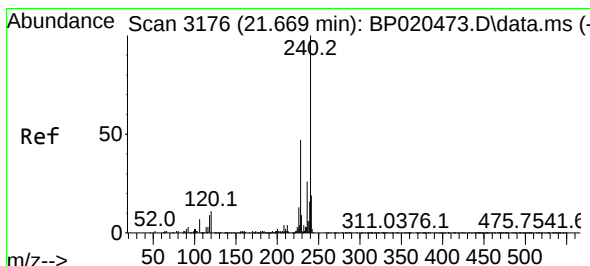
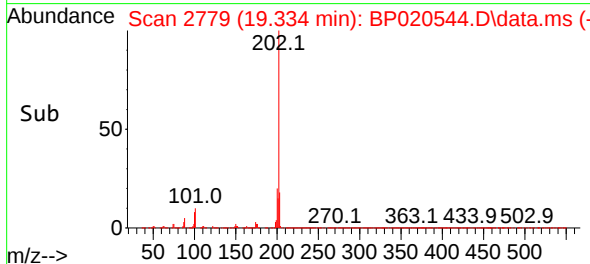
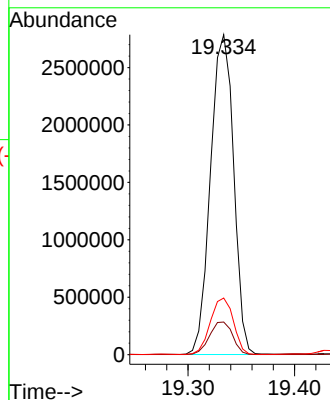
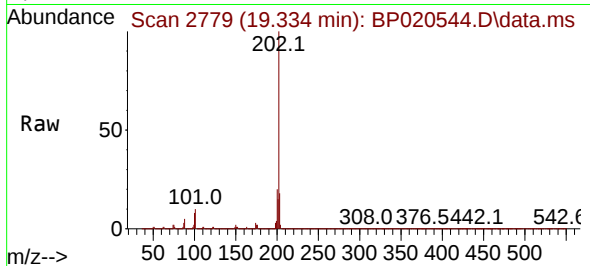




#75
Fluoranthene
Concen: 56.405 ng
RT: 19.334 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

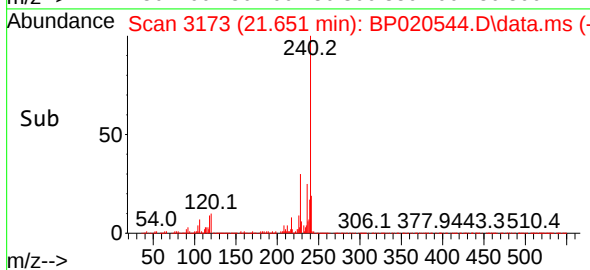
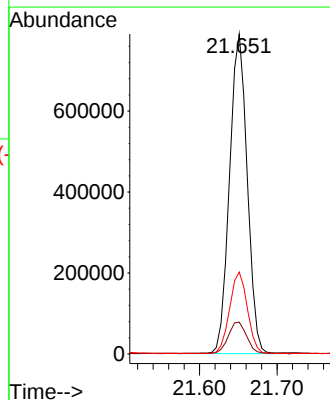
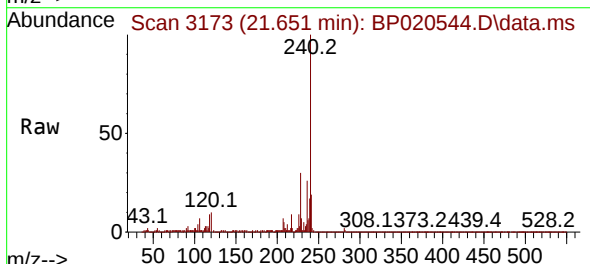
Instrument :
BNA_P
ClientSampleId :
WC-TP-1

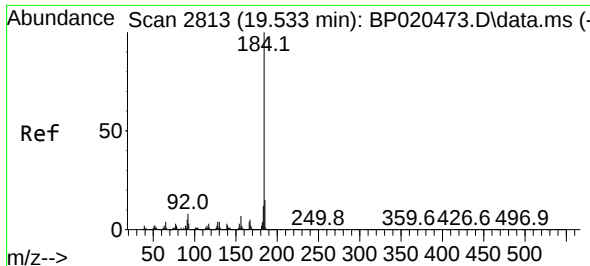
Tgt Ion:202 Resp: 4195413
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.4
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3173
Delta R.T. -0.018 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

Tgt Ion:240 Resp: 1254360
Ion Ratio Lower Upper
240 100
120 9.9 8.5 12.7
236 25.6 20.5 30.7

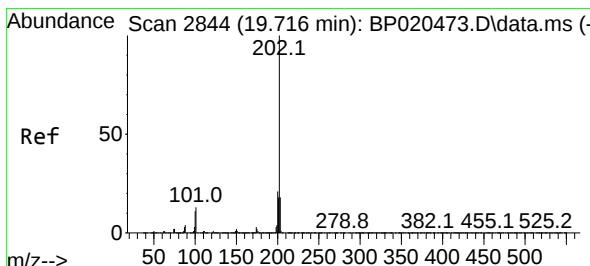
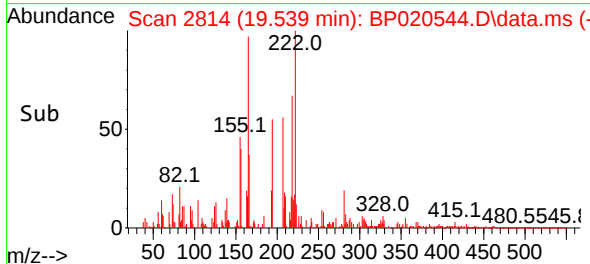
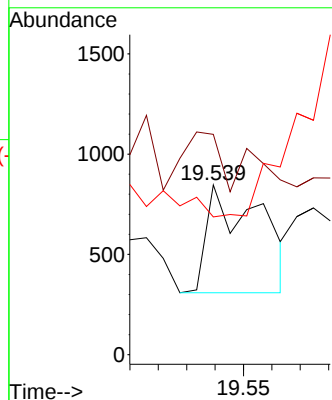
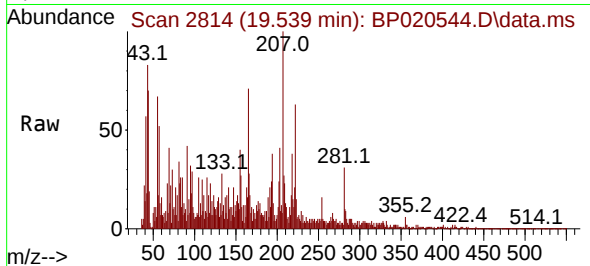




#77
Benzidine
Concen: 5.984 ng
RT: 19.539 min Scan# 2813
Delta R.T. 0.006 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

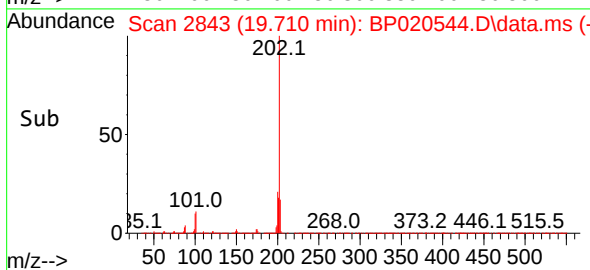
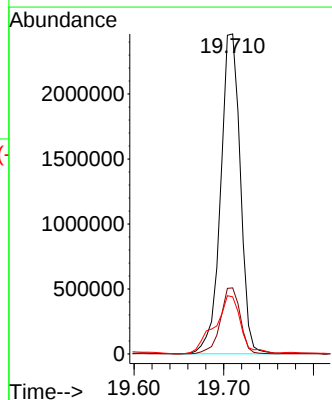
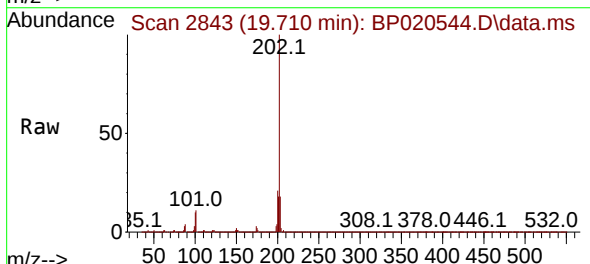
Instrument :
BNA_P
ClientSampleId :
WC-TP-1

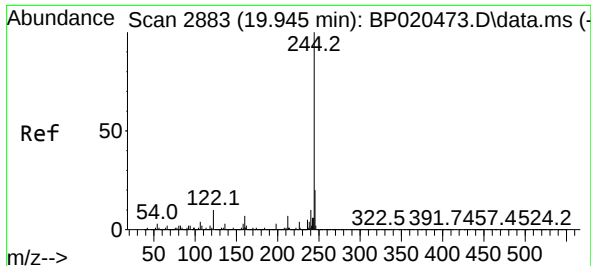
Tgt Ion:184 Resp: 692
Ion Ratio Lower Upper
184 100
185 129.8 12.0 18.0#
183 81.1 9.4 14.0#



#78
Pyrene
Concen: 39.685 ng
RT: 19.710 min Scan# 2843
Delta R.T. -0.006 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

Tgt Ion:202 Resp: 3744331
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 17.9 14.1 21.1

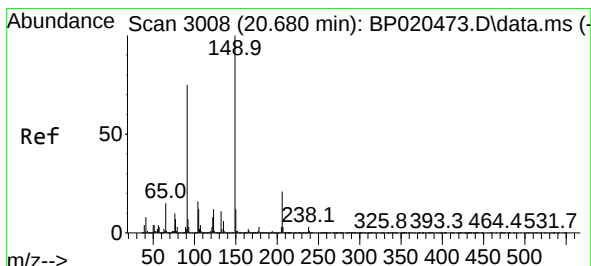
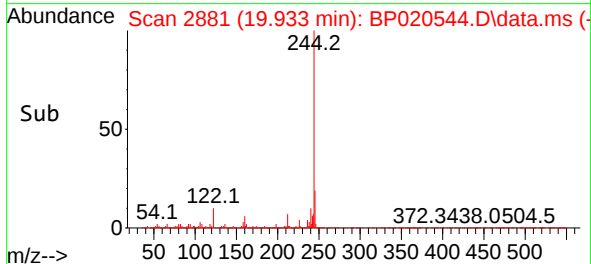
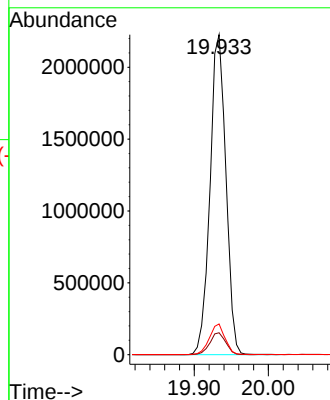
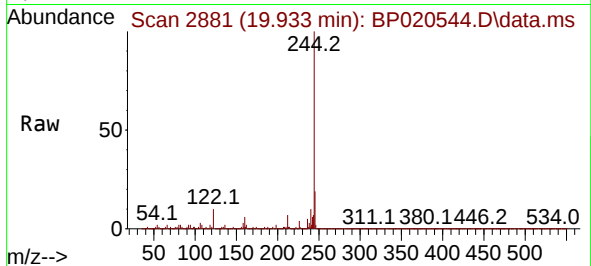




#79
 Terphenyl-d14
 Concen: 43.972 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP020544.D
 Acq: 06 Jun 2024 16:46

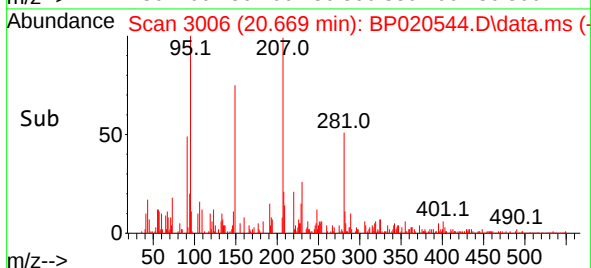
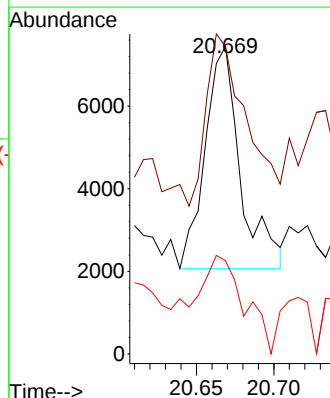
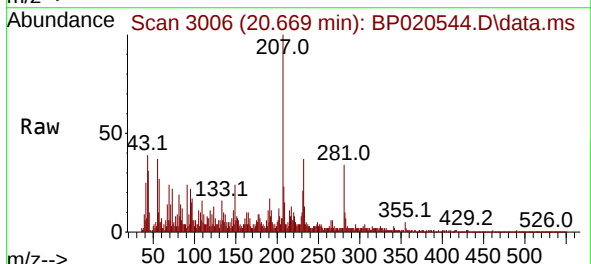
Instrument :
 BNA_P
 ClientSampleId :
 WC-TP-1

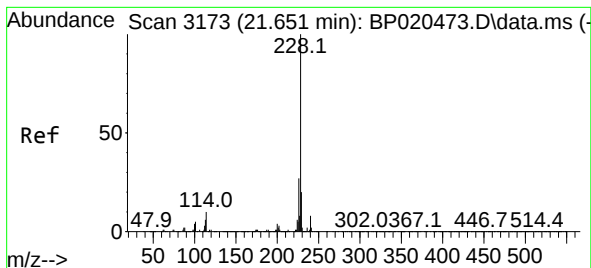
Tgt Ion:244 Resp: 3313261
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 9.6 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 2.644 ng
 RT: 20.669 min Scan# 3006
 Delta R.T. -0.011 min
 Lab File: BP020544.D
 Acq: 06 Jun 2024 16:46

Tgt Ion:149 Resp: 8536
 Ion Ratio Lower Upper
 149 100
 91 99.9 60.0 90.0#
 206 30.3 16.6 25.0#





#81

Benzo(a)anthracene

Concen: 24.762 ng

RT: 21.633 min Scan# 3170

Delta R.T. -0.018 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

Instrument :

BNA_P

ClientSampleId :

WC-TP-1

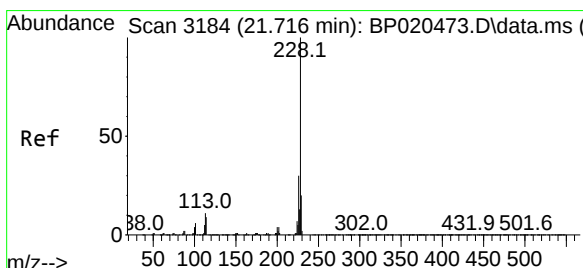
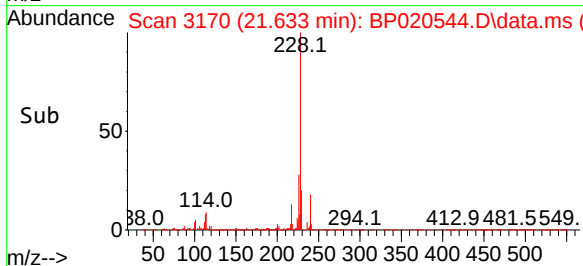
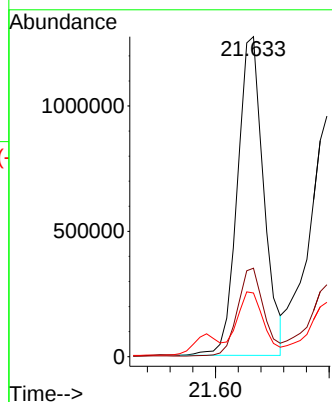
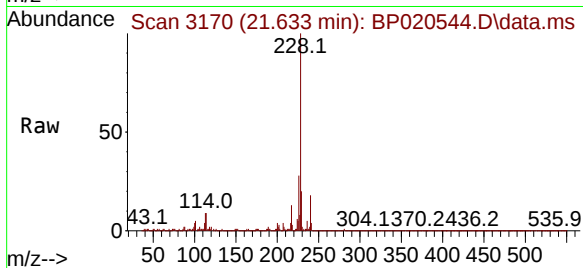
Tgt Ion:228 Resp: 2045185

Ion Ratio Lower Upper

228 100

226 27.7 21.7 32.5

229 19.9 15.8 23.6



#83

Chrysene

Concen: 23.331 ng

RT: 21.698 min Scan# 3181

Delta R.T. -0.018 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

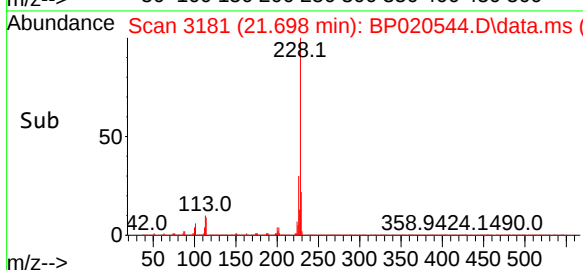
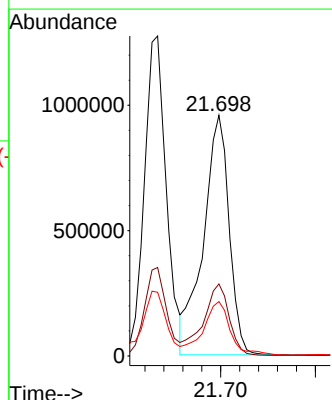
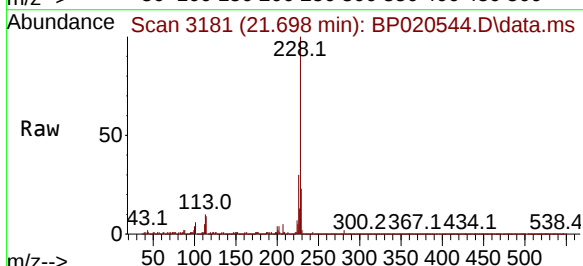
Tgt Ion:228 Resp: 1815767

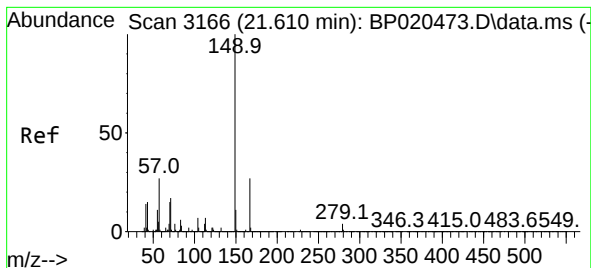
Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

229 22.6 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.121 ng

RT: 21.580 min Scan# 3166

Delta R.T. -0.029 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

Instrument :

BNA_P

ClientSampleId :

WC-TP-1

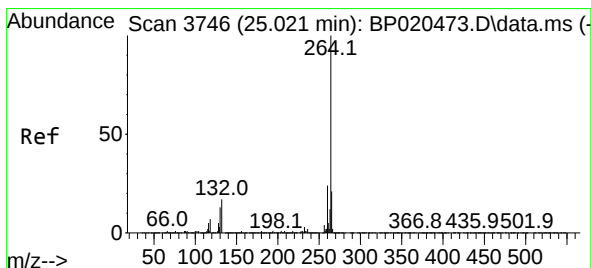
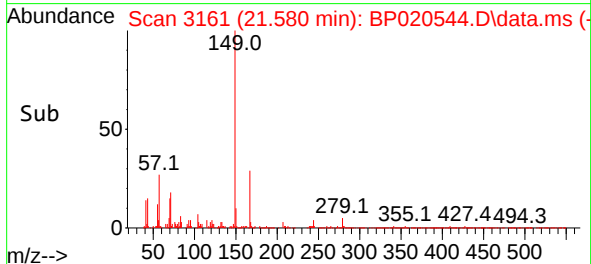
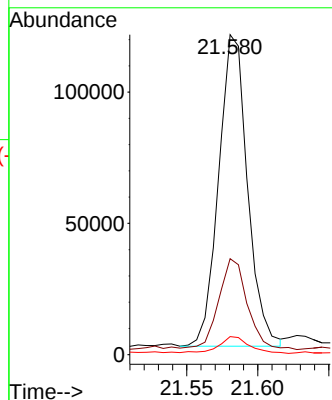
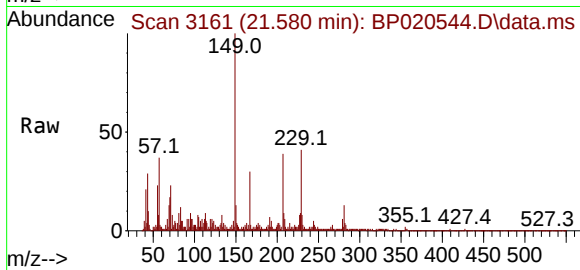
Tgt Ion:149 Resp: 167567

Ion Ratio Lower Upper

149 100

167 30.0 21.8 32.6

279 5.7 3.4 5.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.010 min Scan# 3744

Delta R.T. -0.012 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

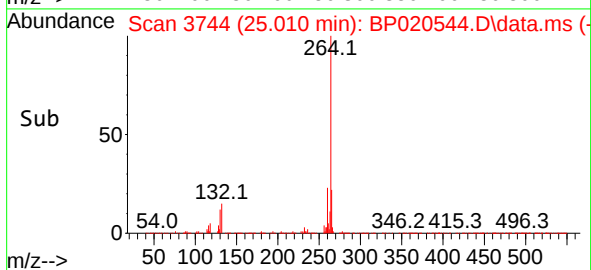
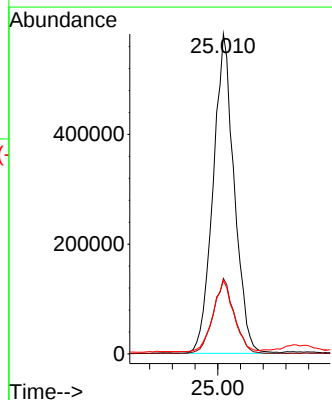
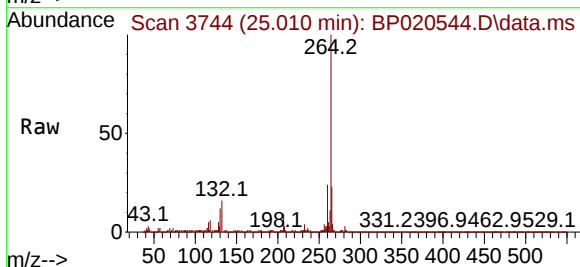
Tgt Ion:264 Resp: 1498372

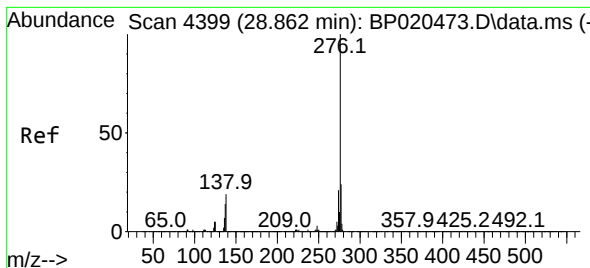
Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 22.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.400 ng

RT: 28.833 min Scan# 4399

Delta R.T. -0.029 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

Instrument :

BNA_P

ClientSampleId :

WC-TP-1

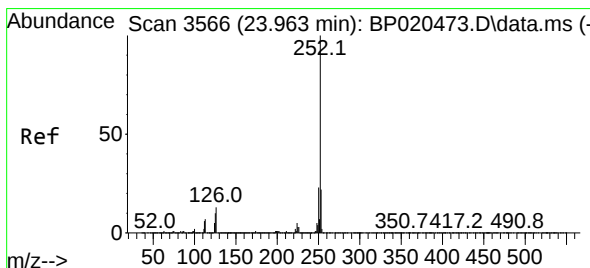
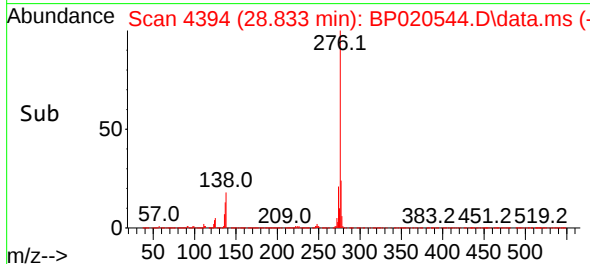
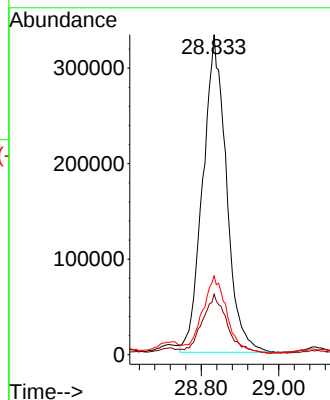
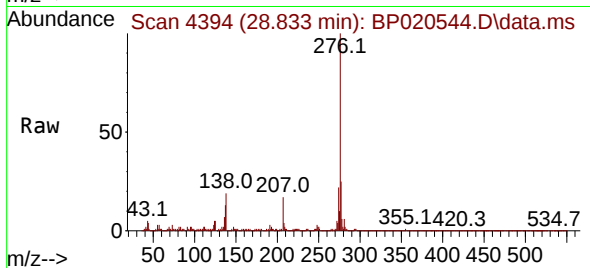
Tgt Ion:276 Resp: 1403192

Ion Ratio Lower Upper

276 100

138 19.7 12.8 19.2#

277 24.8 15.6 23.4#



#88

Benzo(b)fluoranthene

Concen: 28.039 ng

RT: 23.951 min Scan# 3564

Delta R.T. -0.012 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

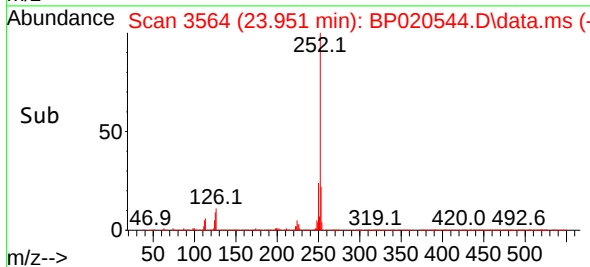
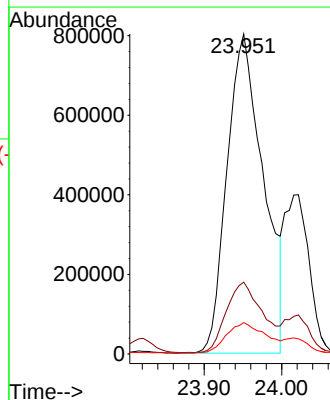
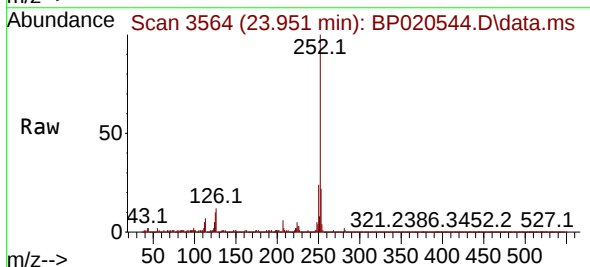
Tgt Ion:252 Resp: 2617314

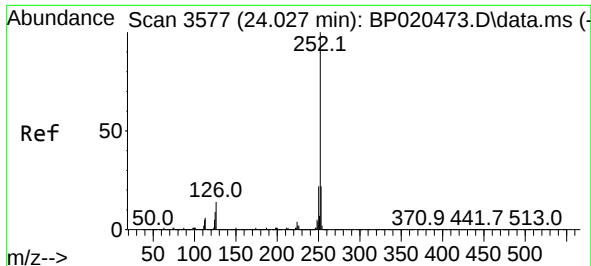
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 9.8 8.0 12.0

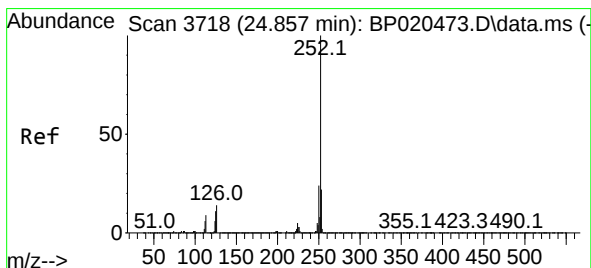
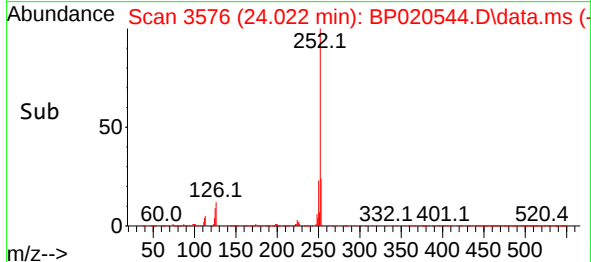
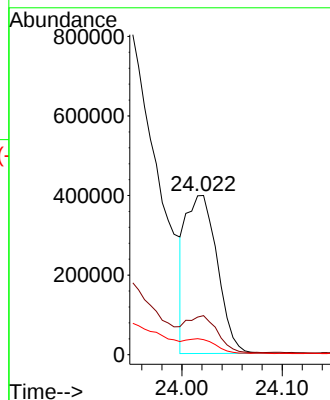
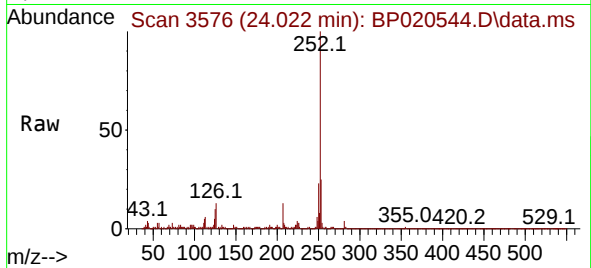




#89
Benzo(k)fluoranthene
Concen: 9.447 ng
RT: 24.022 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

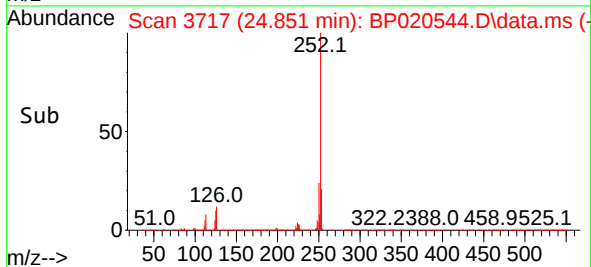
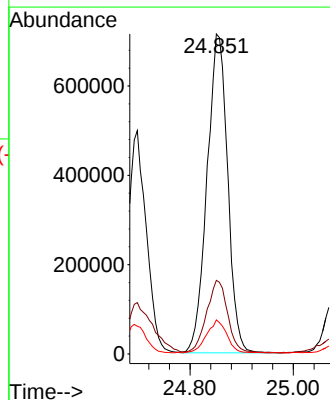
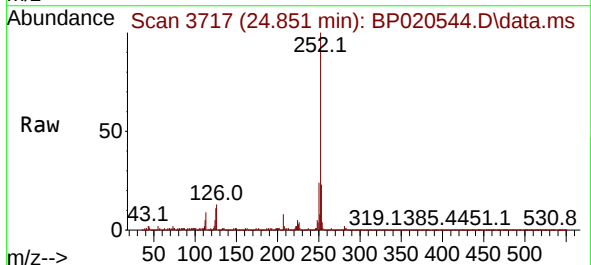
Instrument :
BNA_P
ClientSampleId :
WC-TP-1

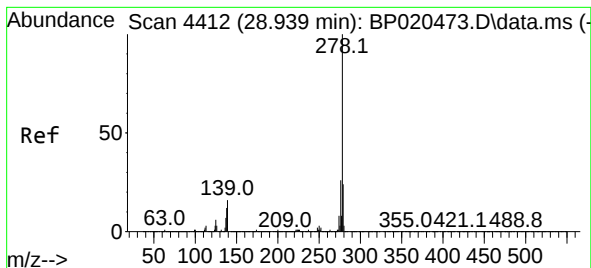
Tgt Ion:252 Resp: 860070
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 9.5 7.8 11.6



#90
Benzo(a)pyrene
Concen: 25.562 ng
RT: 24.851 min Scan# 3717
Delta R.T. -0.006 min
Lab File: BP020544.D
Acq: 06 Jun 2024 16:46

Tgt Ion:252 Resp: 1976138
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.7 8.9 13.3





#91

Dibenzo(a,h)anthracene

Concen: 4.301 ng

RT: 28.898 min Scan# 4412

Delta R.T. -0.041 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

Instrument :

BNA_P

ClientSampleId :

WC-TP-1

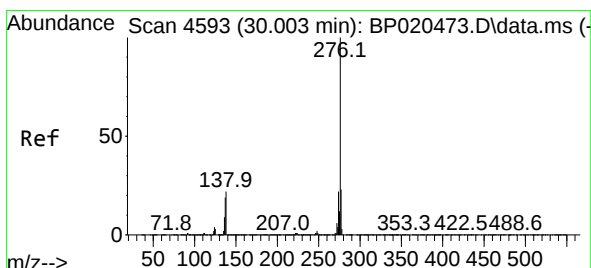
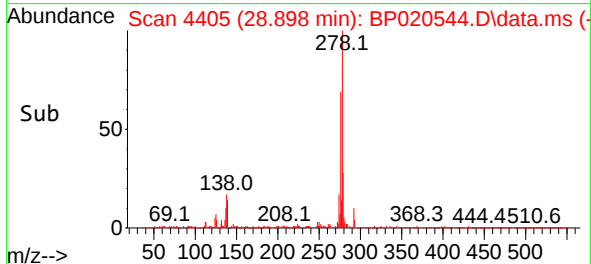
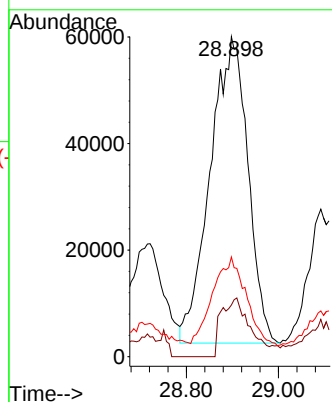
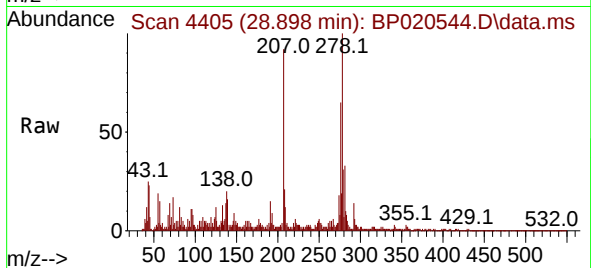
Tgt Ion:278 Resp: 326871

Ion Ratio Lower Upper

278 100

139 16.1 13.0 19.4

279 31.2 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 19.254 ng

RT: 30.004 min Scan# 4593

Delta R.T. 0.000 min

Lab File: BP020544.D

Acq: 06 Jun 2024 16:46

Tgt Ion:276 Resp: 1462625

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

138 20.4 17.7 26.5

