

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052922\
 Data File : BP010623.D
 Acq On : 29 May 2022 17:28
 Operator : CG/JU
 Sample : N3041-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 2147

Quant Time: May 30 02:07:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 28 02:18:04 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

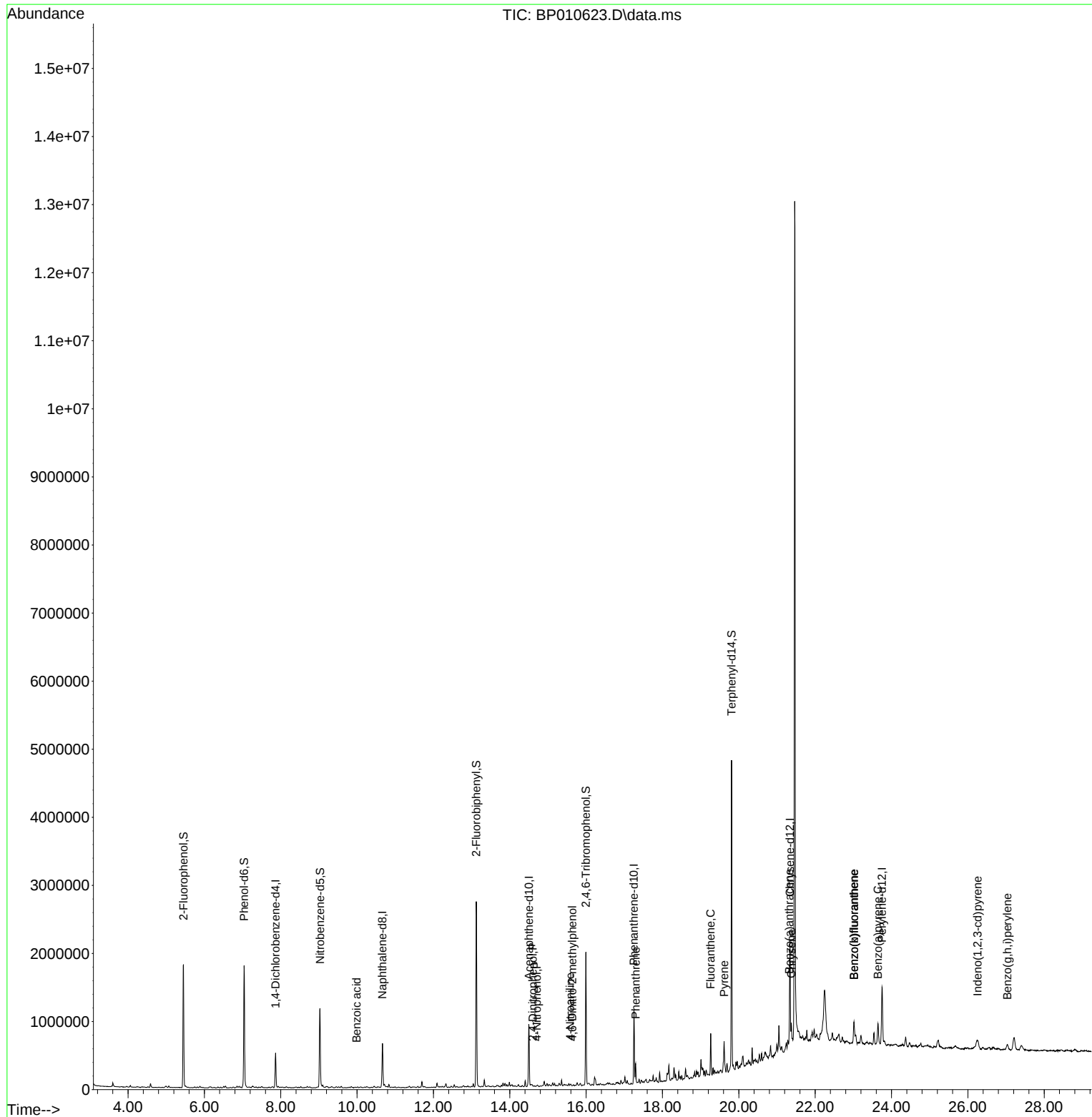
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	131745	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	518516	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	320285	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	647189	20.000	ng	0.00
76) Chrysene-d12	21.339	240	625574	20.000	ng	0.00
86) Perylene-d12	23.751	264	651424	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	707114	97.916	ng	0.00
7) Phenol-d6	7.040	99	959217	93.562	ng	0.00
23) Nitrobenzene-d5	9.028	82	682321	62.214	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	328365	90.571	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	1399597	62.019	ng	0.00
79) Terphenyl-d14	19.810	244	2026134	60.835	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.987	122	507	7.415	ng	95
54) 2,4-Dinitrophenol	14.604	184	44	6.659	ng	# 1
56) 4-Nitrophenol	14.710	139	1136	3.866	ng	# 51
62) 4-Nitroaniline	15.581	138	78	2.147	ng	# 52
65) 4,6-Dinitro-2-methylph...	15.640	198	78	4.620	ng	# 1
71) Phenanthrene	17.298	178	179708	5.063	ng	99
75) Fluoranthene	19.263	202	292886	7.598	ng	96
78) Pyrene	19.616	202	260410	5.973	ng	99
81) Benzo(a)anthracene	21.322	228	161829	3.943	ng	# 90
83) Chrysene	21.375	228	216166	5.369	ng	# 93
87) Indeno(1,2,3-cd)pyrene	26.257	276	100662	2.120	ng	95
88) Benzo(b)fluoranthene	23.022	252	217281	5.298	ng	# 96
89) Benzo(k)fluoranthene	23.022	252	217281	5.226	ng	# 95
90) Benzo(a)pyrene	23.645	252	141245	4.163	ng	# 91
92) Benzo(g,h,i)perylene	27.033	276	112702	2.854	ng	# 84

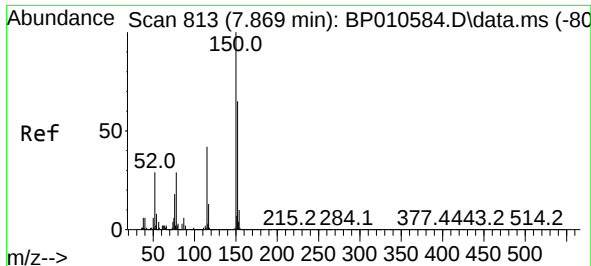
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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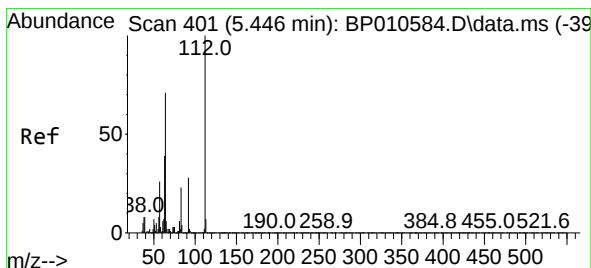
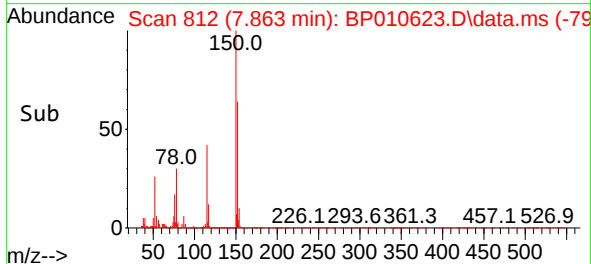
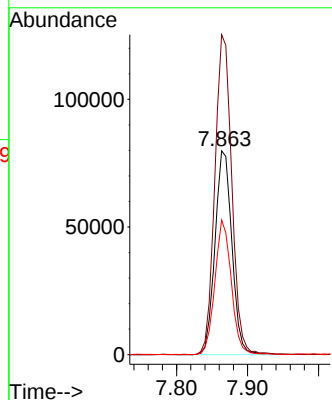
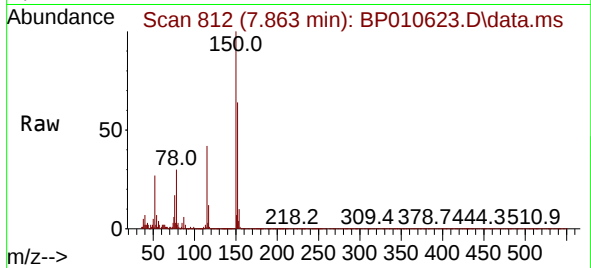




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

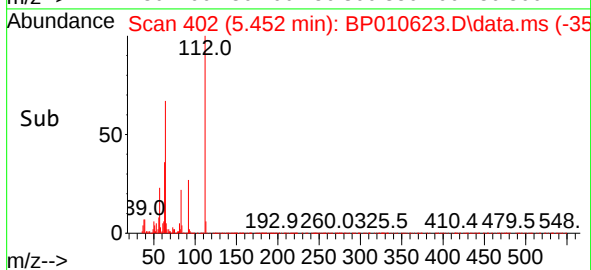
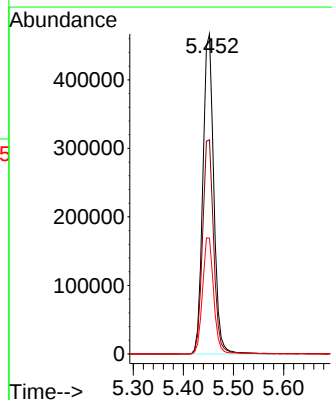
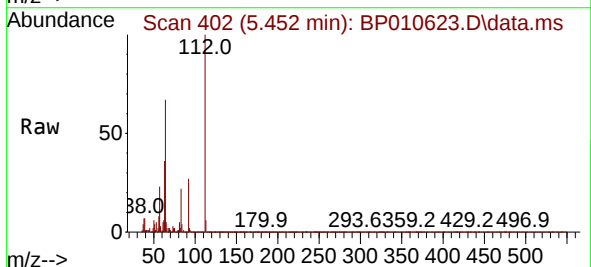
Instrument :
BNA_P
ClientSampleId :
2147

Tgt Ion:152 Resp: 131745
Ion Ratio Lower Upper
152 100
150 157.0 123.4 185.2
115 66.1 51.3 76.9



#5
2-Fluorophenol
Concen: 97.916 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

Tgt Ion:112 Resp: 707114
Ion Ratio Lower Upper
112 100
64 66.9 56.9 85.3
63 36.2 31.2 46.8

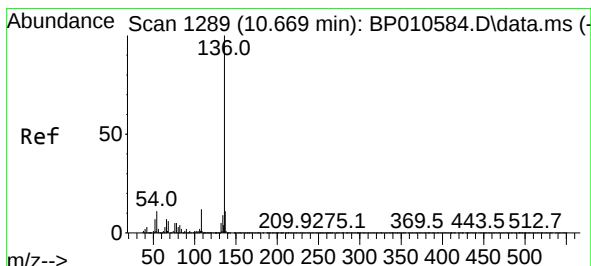
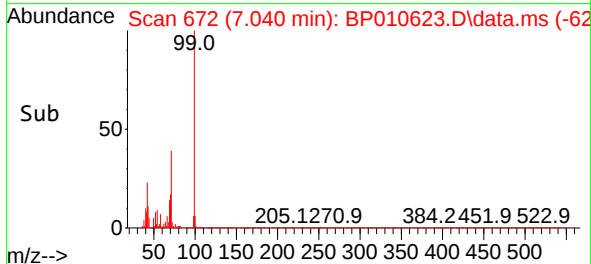
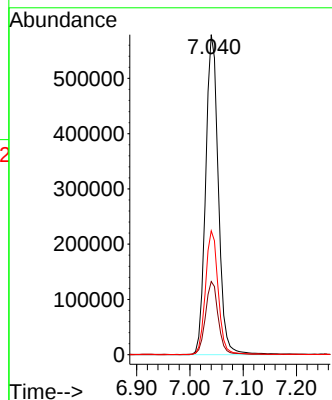
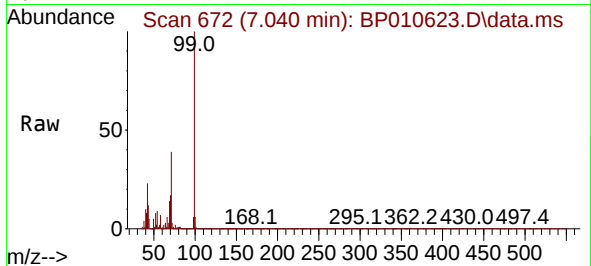




#7
Phenol-d6
Concen: 93.562 ng
RT: 7.040 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

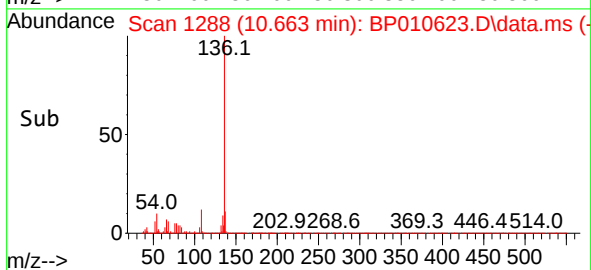
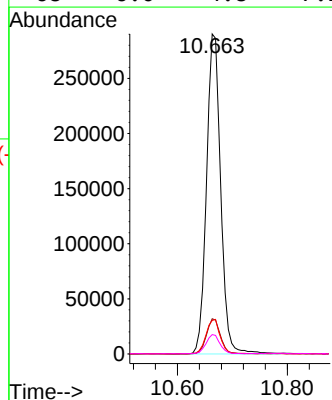
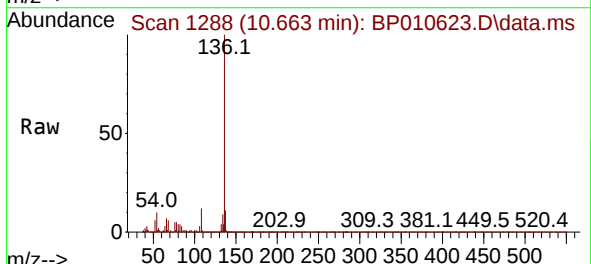
Instrument :
BNA_P
ClientSampleId :
2147

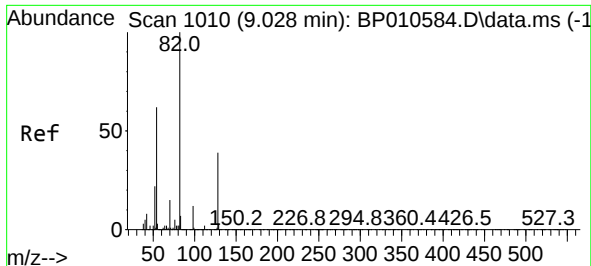
Tgt Ion: 99 Resp: 959217
Ion Ratio Lower Upper
99 100
42 22.9 20.3 30.5
71 38.7 33.9 50.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

Tgt Ion:136 Resp: 518516
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 10.5 8.7 13.1
68 6.0 4.8 7.2

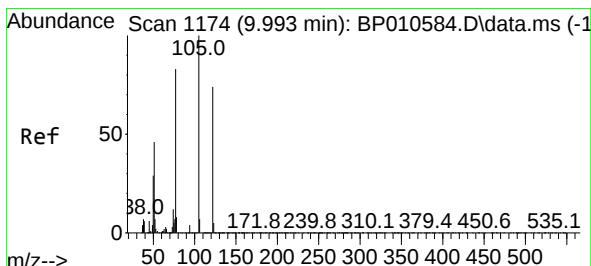
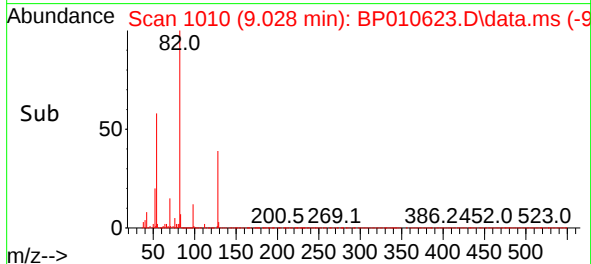
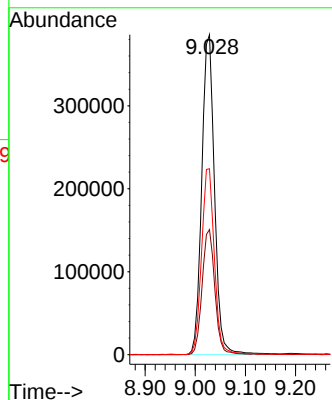
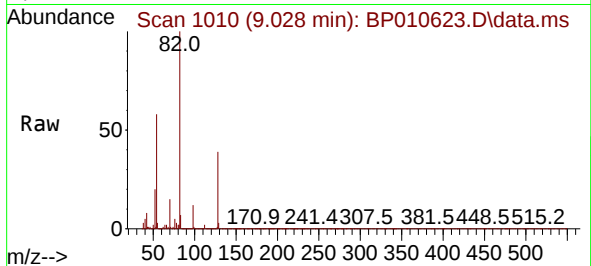




#23
Nitrobenzene-d5
Concen: 62.214 ng
RT: 9.028 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

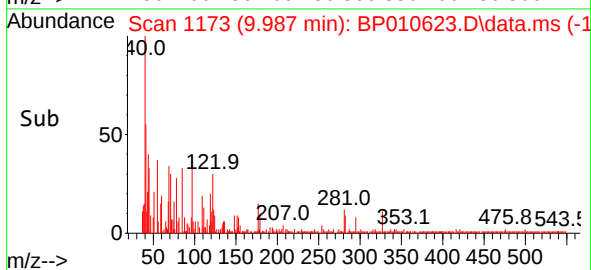
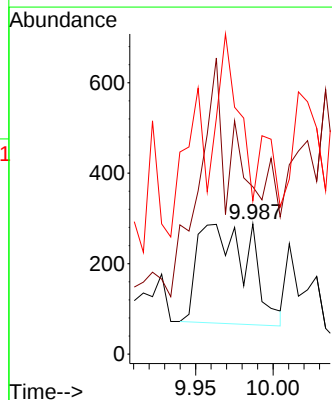
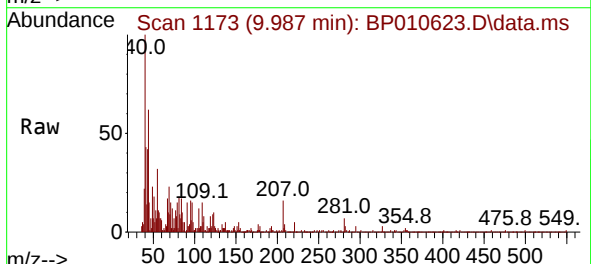
Instrument :
BNA_P
ClientSampleId :
2147

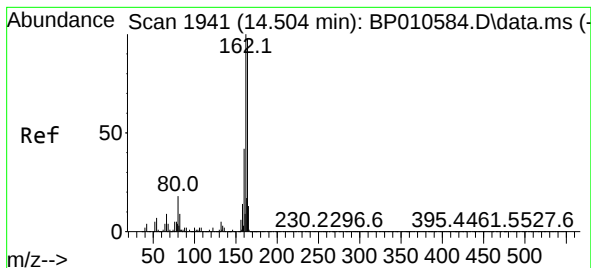
Tgt Ion: 82 Resp: 682321
Ion Ratio Lower Upper
82 100
128 39.1 31.3 46.9
54 58.1 49.8 74.8



#32
Benzoic acid
Concen: 7.415 ng
RT: 9.987 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

Tgt Ion: 122 Resp: 507
Ion Ratio Lower Upper
122 100
105 128.5 112.6 152.6
77 117.7 90.2 130.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.498 min Scan# 1940

Delta R.T. -0.006 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

Instrument :

BNA_P

ClientSampleId :

2147

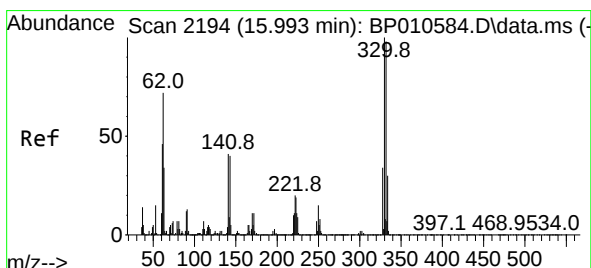
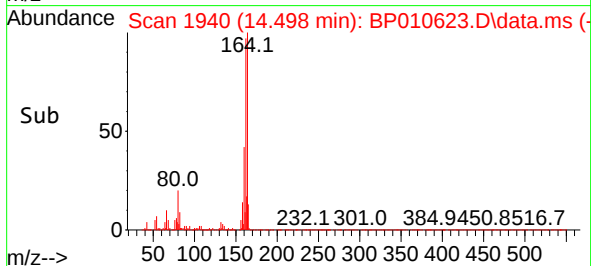
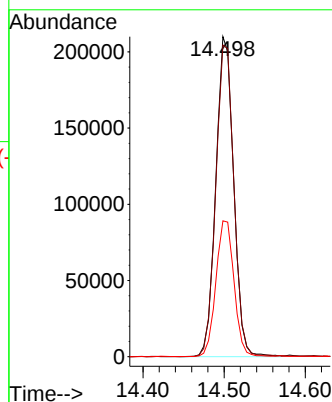
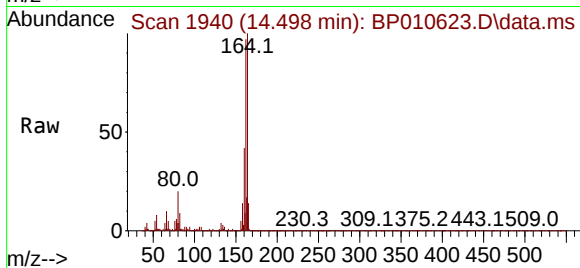
Tgt Ion:164 Resp: 320285

Ion Ratio Lower Upper

164 100

162 97.4 81.9 122.9

160 42.5 34.6 51.8



#42

2,4,6-Tribromophenol

Concen: 90.571 ng

RT: 15.992 min Scan# 2194

Delta R.T. -0.001 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

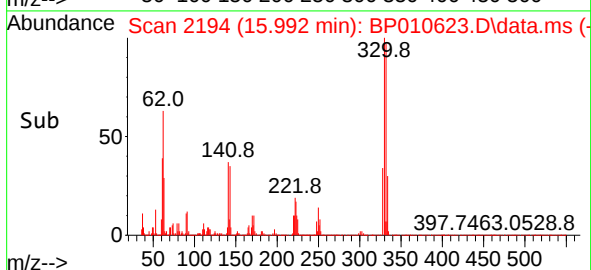
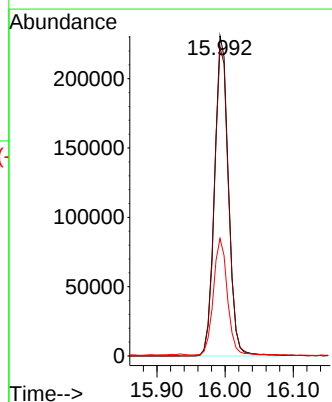
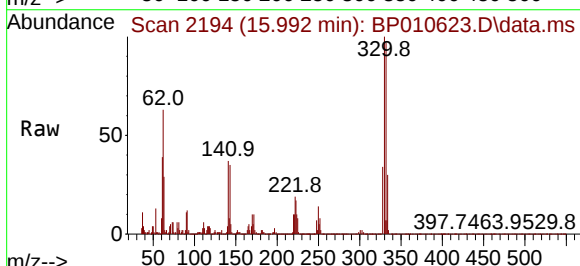
Tgt Ion:330 Resp: 328365

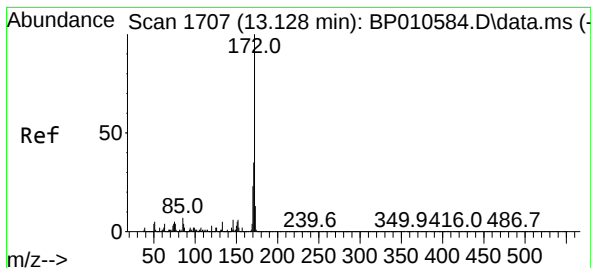
Ion Ratio Lower Upper

330 100

332 97.9 78.1 117.1

141 36.9 31.4 47.2





#45

2-Fluorobiphenyl

Concen: 62.019 ng

RT: 13.122 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

Instrument :

BNA_P

ClientSampleId :

2147

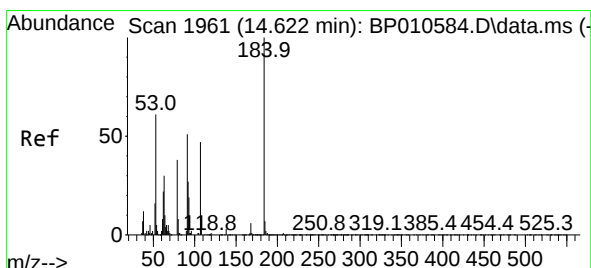
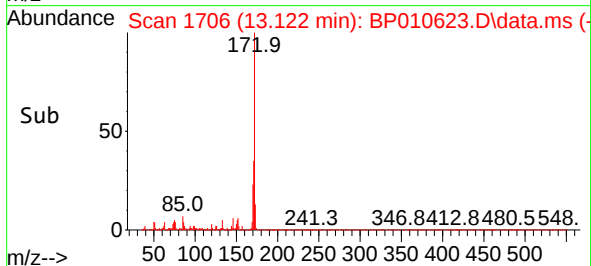
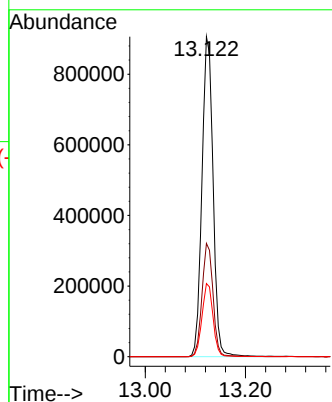
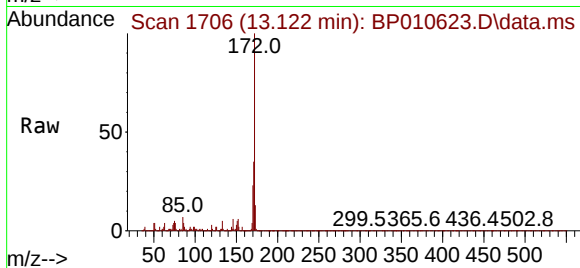
Tgt Ion:172 Resp: 1399597

Ion Ratio Lower Upper

172 100

171 35.4 27.9 41.9

170 22.8 18.2 27.2



#54

2,4-Dinitrophenol

Concen: 6.659 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.018 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

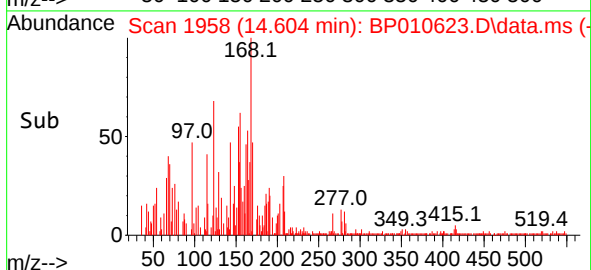
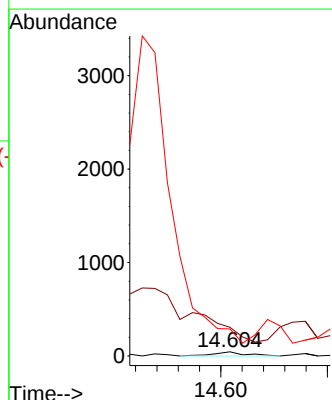
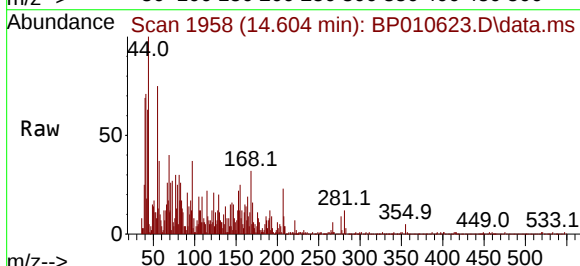
Tgt Ion:184 Resp: 44

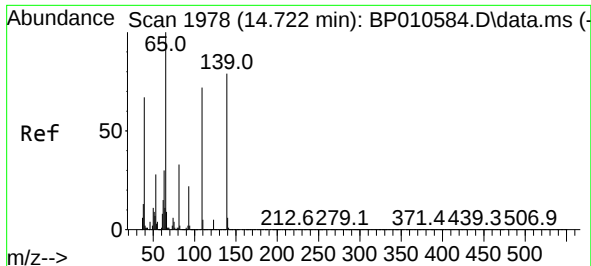
Ion Ratio Lower Upper

184 100

63 695.5 65.4 98.2#

154 659.1 55.4 83.2#

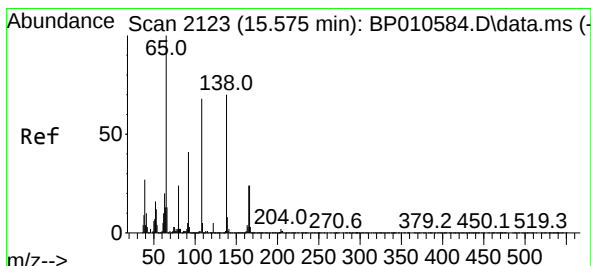
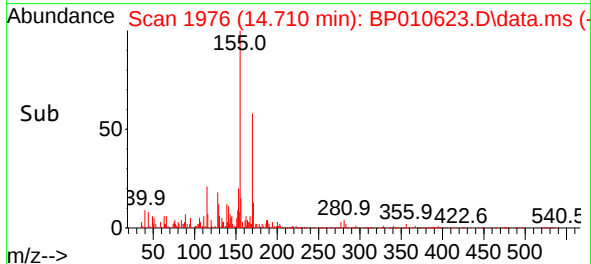
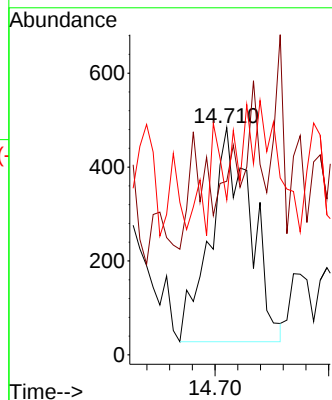
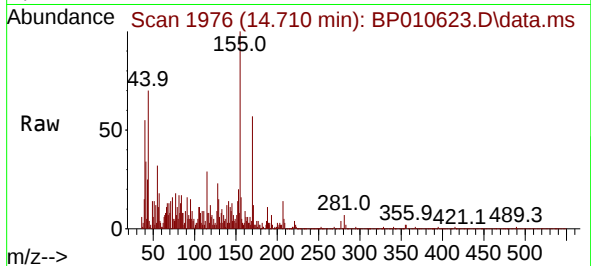




#56
4-Nitrophenol
Concen: 3.866 ng
RT: 14.710 min Scan# 1978
Delta R.T. -0.012 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

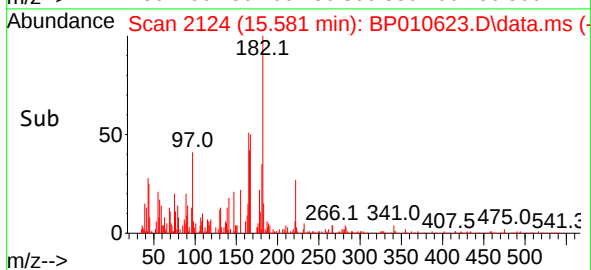
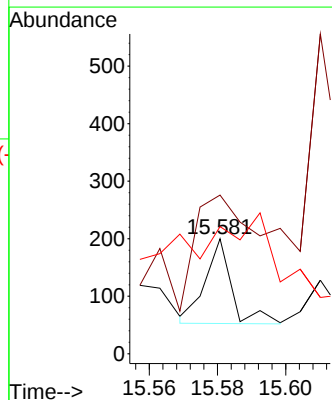
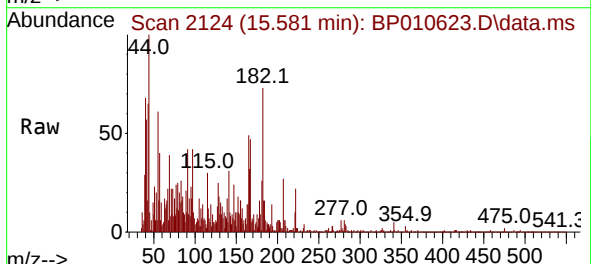
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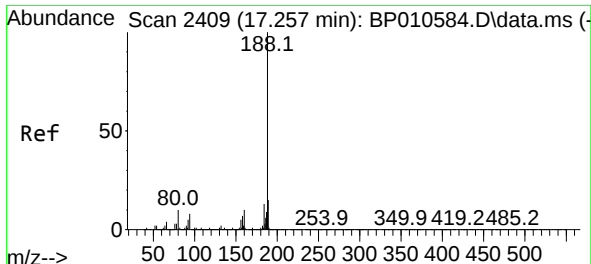
Tgt Ion:139 Resp: 1136
Ion Ratio Lower Upper
139 100
109 61.9 70.6 110.6#
65 55.2 106.6 146.6#



#62
4-Nitroaniline
Concen: 2.147 ng
RT: 15.581 min Scan# 2124
Delta R.T. 0.006 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

Tgt Ion:138 Resp: 78
Ion Ratio Lower Upper
138 100
92 138.0 38.0 78.0#
108 110.5 77.6 117.6

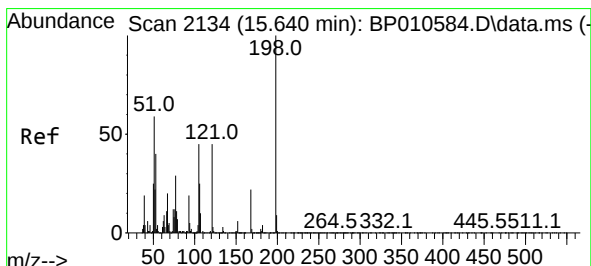
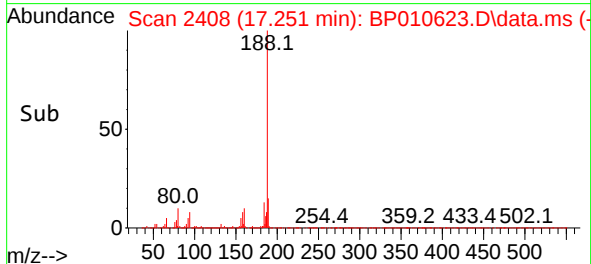
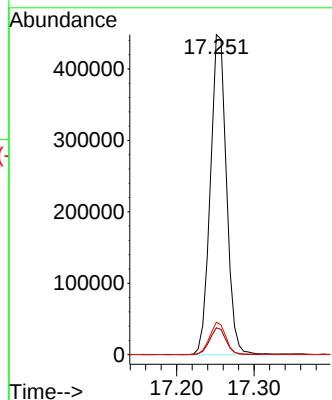
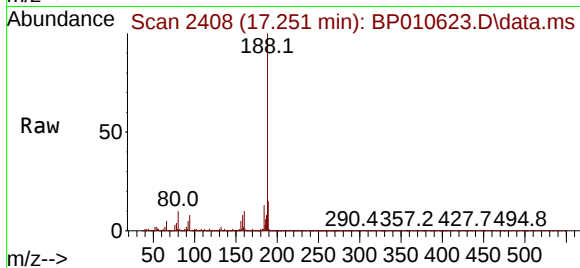




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

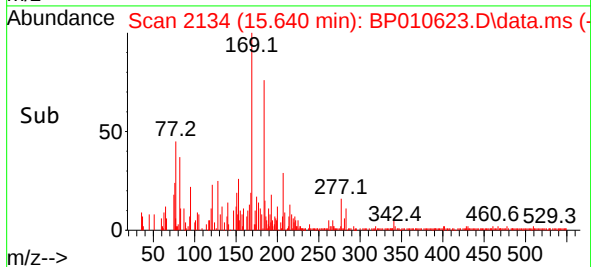
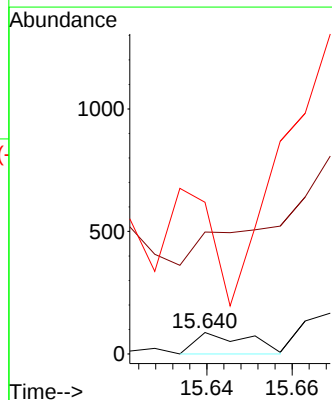
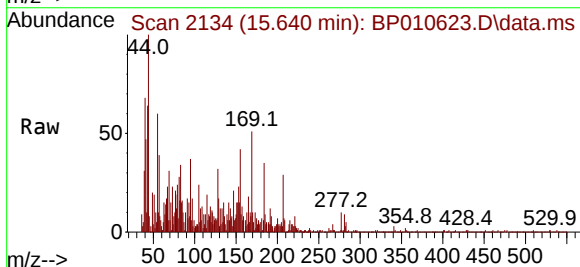
Instrument :
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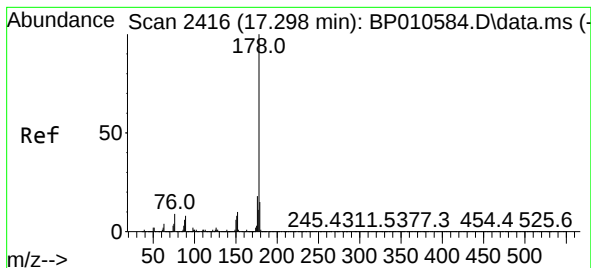
Tgt Ion:188 Resp: 647189
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 10.2 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 4.620 ng
RT: 15.640 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

Tgt Ion:198 Resp: 78
Ion Ratio Lower Upper
198 100
51 565.9 41.2 81.2#
105 703.4 25.3 65.3#





#71

Phenanthrene

Concen: 5.063 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.000 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

Instrument :

BNA_P

ClientSampleId :

2147

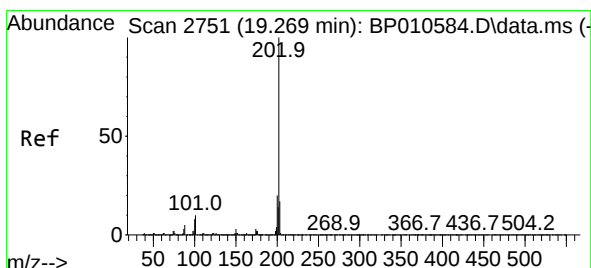
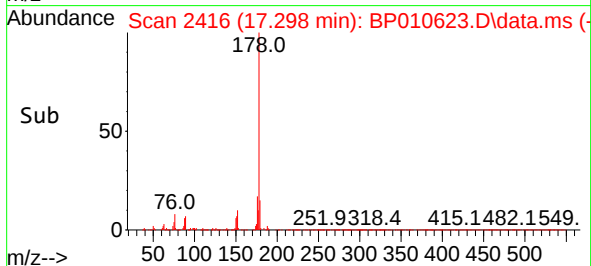
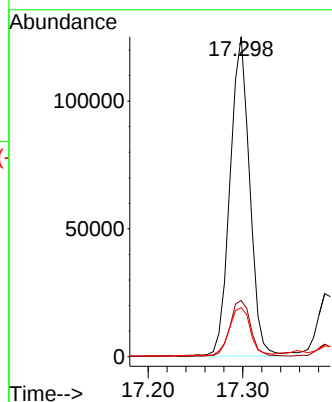
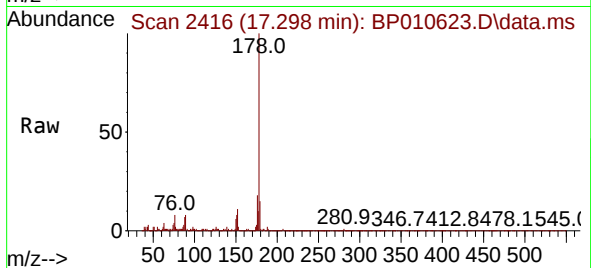
Tgt Ion:178 Resp: 179708

Ion Ratio Lower Upper

178 100

176 17.6 14.7 22.1

179 15.3 12.2 18.2



#75

Fluoranthene

Concen: 7.598 ng

RT: 19.263 min Scan# 2750

Delta R.T. -0.006 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

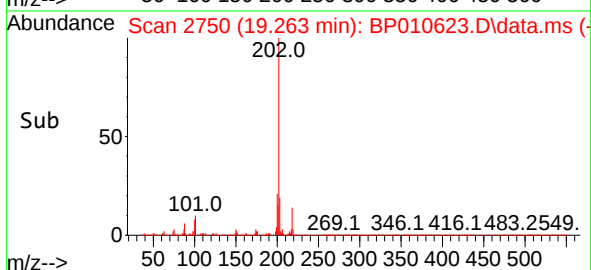
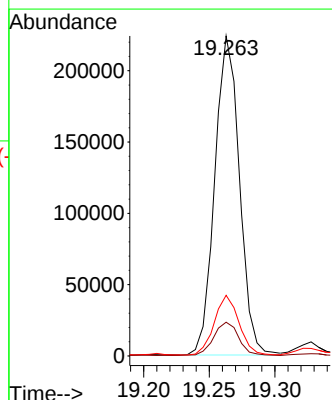
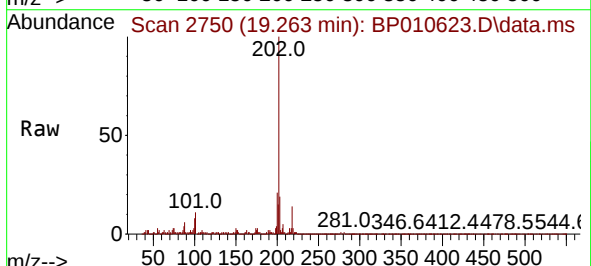
Tgt Ion:202 Resp: 292886

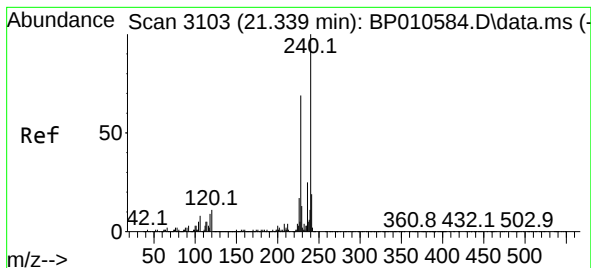
Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.6

203 18.9 0.0 36.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.339 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

Instrument :

BNA_P

ClientSampleId :

2147

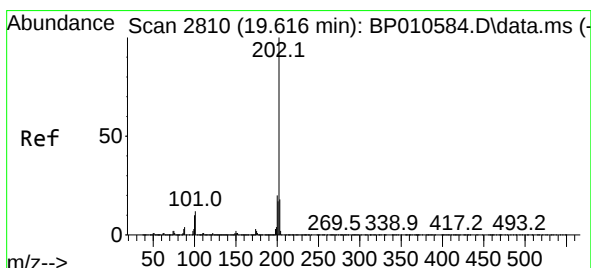
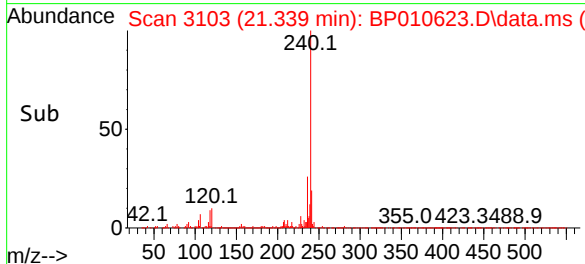
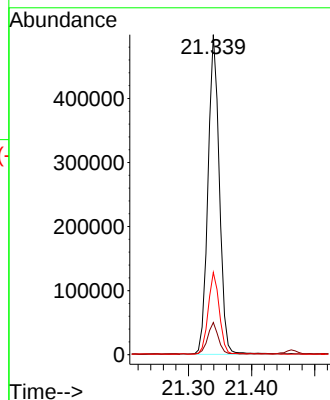
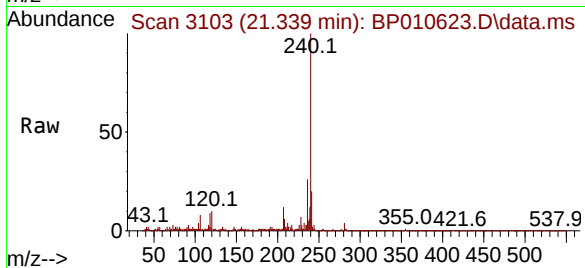
Tgt Ion:240 Resp: 625574

Ion Ratio Lower Upper

240 100

120 10.1 8.6 12.8

236 25.7 19.8 29.6



#78

Pyrene

Concen: 5.973 ng

RT: 19.616 min Scan# 2810

Delta R.T. -0.000 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

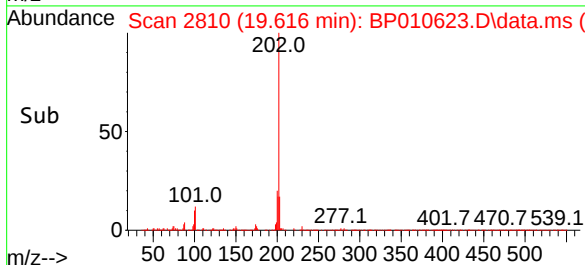
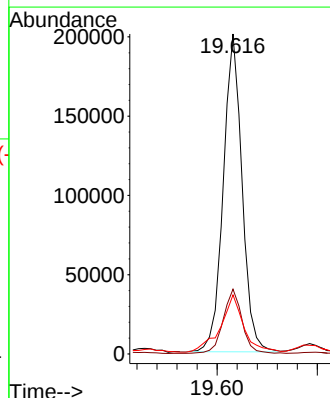
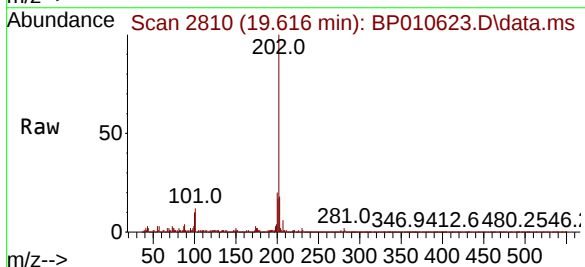
Tgt Ion:202 Resp: 260410

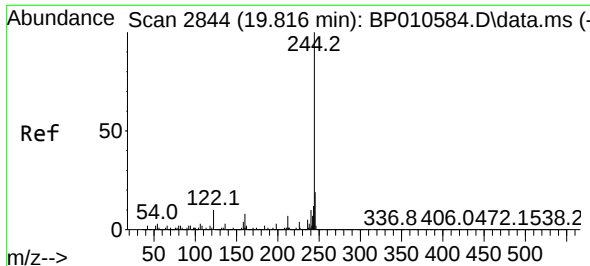
Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

203 18.5 14.2 21.4

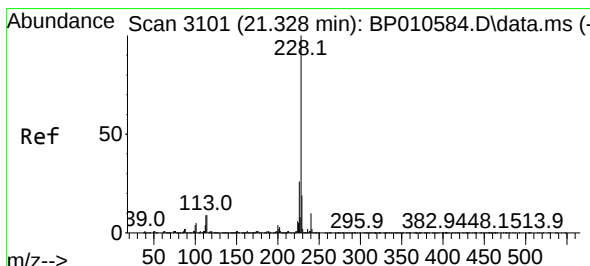
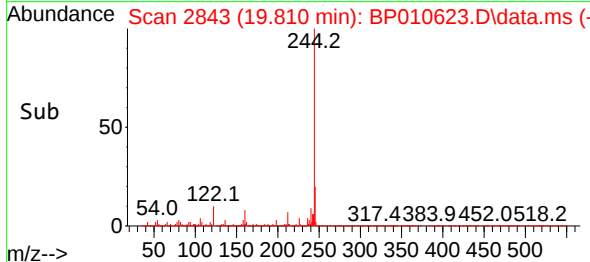
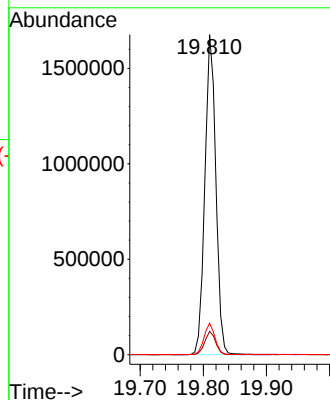
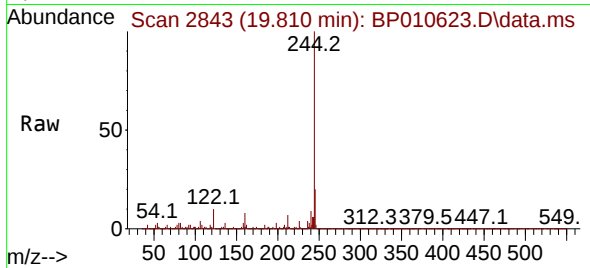




#79
 Terphenyl-d14
 Concen: 60.835 ng
 RT: 19.810 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP010623.D
 Acq: 29 May 2022 17:28

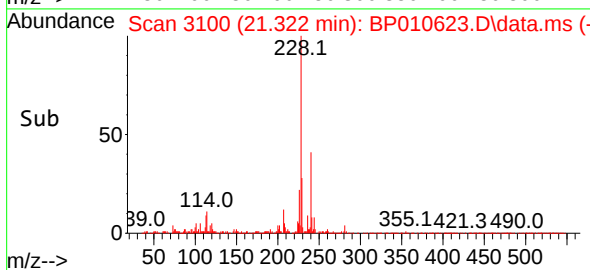
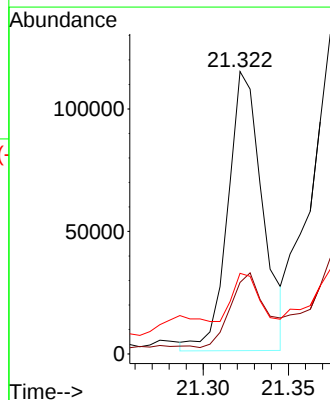
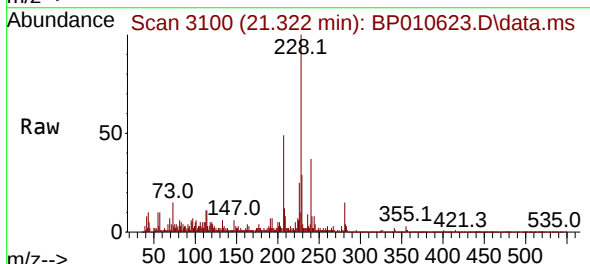
Instrument :
 BNA_P
 ClientSampleId :
 2147

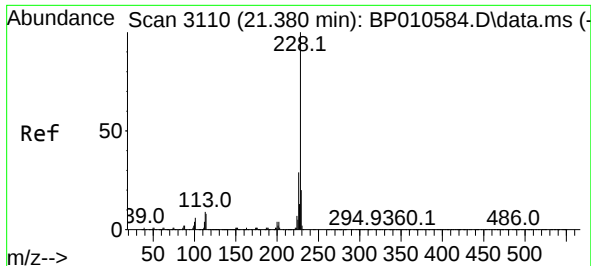
Tgt Ion:244 Resp: 2026134
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 9.8 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 3.943 ng
 RT: 21.322 min Scan# 3100
 Delta R.T. -0.006 min
 Lab File: BP010623.D
 Acq: 29 May 2022 17:28

Tgt Ion:228 Resp: 161829
 Ion Ratio Lower Upper
 228 100
 226 25.3 20.8 31.2
 229 28.5 15.2 22.8#





#83

Chrysene

Concen: 5.369 ng

RT: 21.375 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

Instrument :

BNA_P

ClientSampleId :

2147

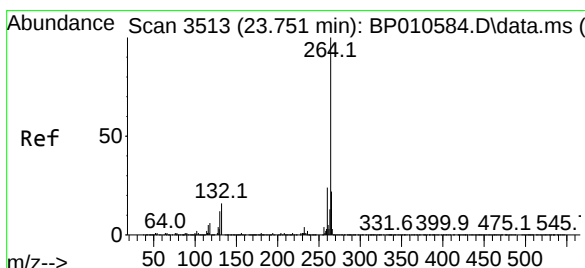
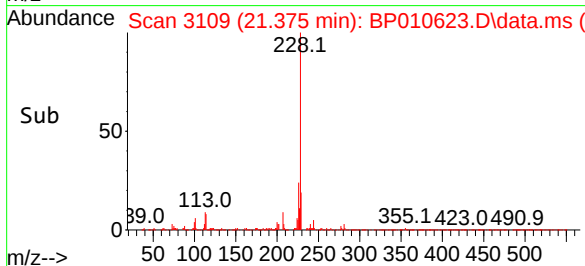
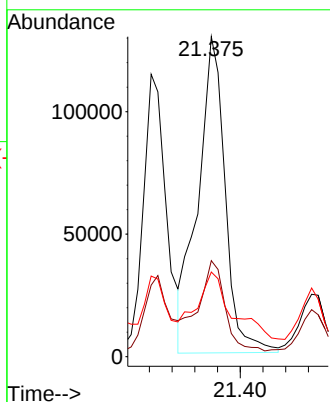
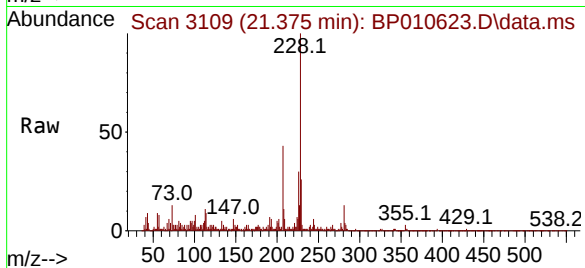
Tgt Ion:228 Resp: 216166

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

229 26.4 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.751 min Scan# 3513

Delta R.T. -0.000 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

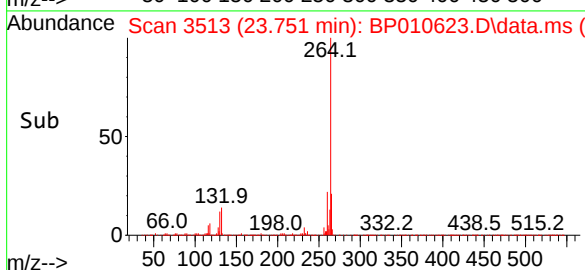
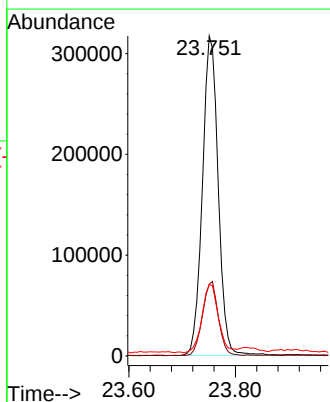
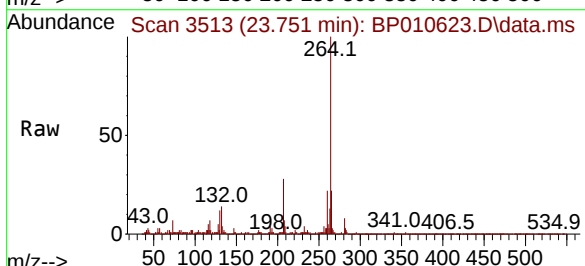
Tgt Ion:264 Resp: 651424

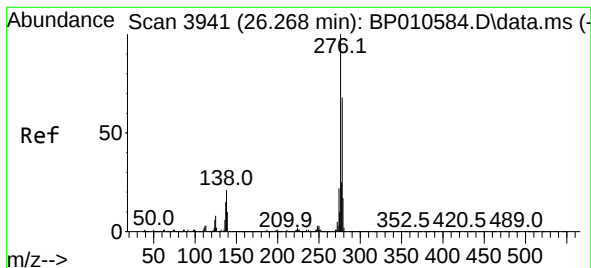
Ion Ratio Lower Upper

264 100

260 22.4 19.3 28.9

265 22.3 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.120 ng

RT: 26.257 min Scan# 3941

Delta R.T. -0.012 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

Instrument :

BNA_P

ClientSampleId :

2147

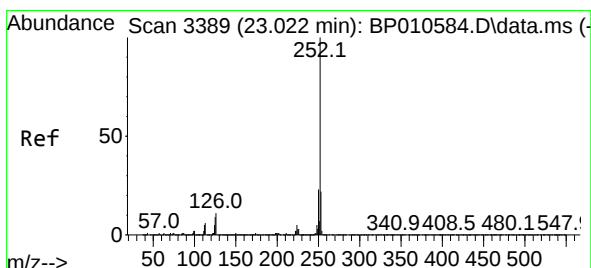
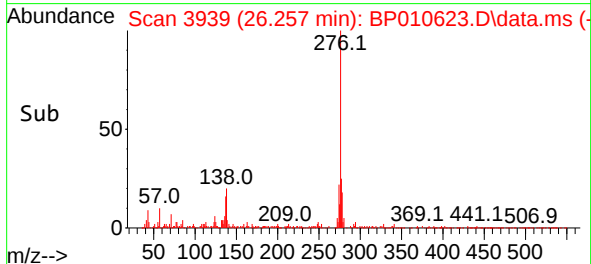
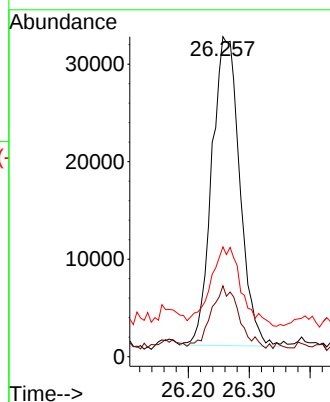
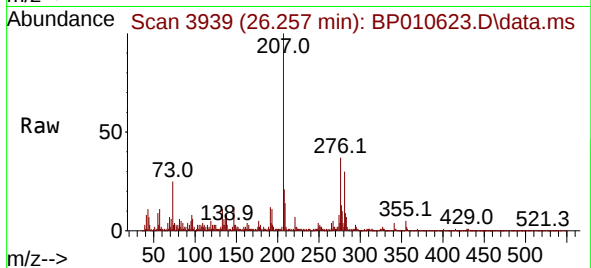
Tgt Ion:276 Resp: 100662

Ion Ratio Lower Upper

276 100

138 20.6 17.5 26.3

277 28.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 5.298 ng

RT: 23.022 min Scan# 3389

Delta R.T. -0.000 min

Lab File: BP010623.D

Acq: 29 May 2022 17:28

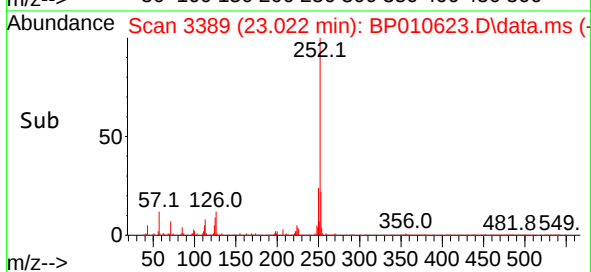
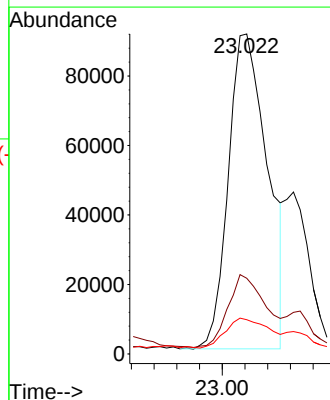
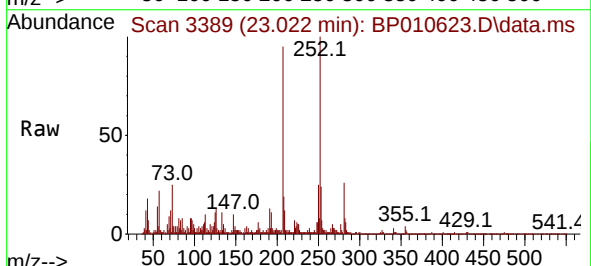
Tgt Ion:252 Resp: 217281

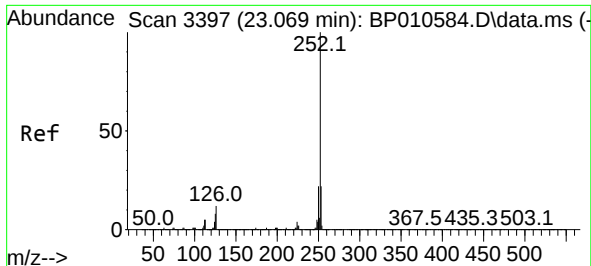
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

125 10.7 7.0 10.6#

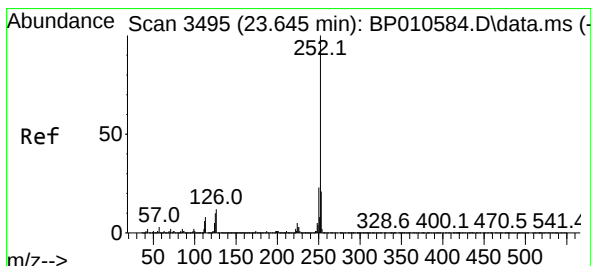
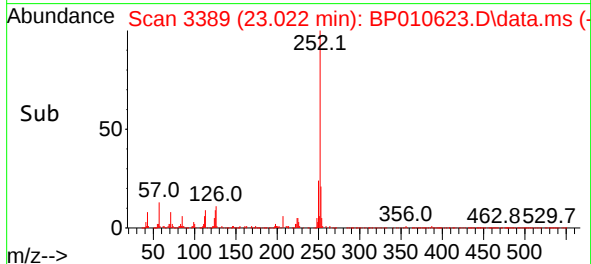
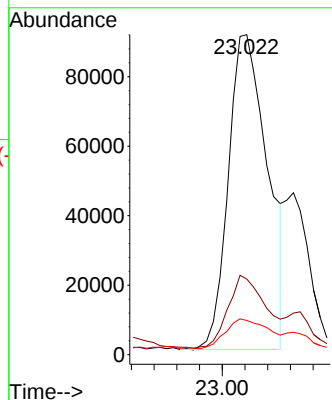
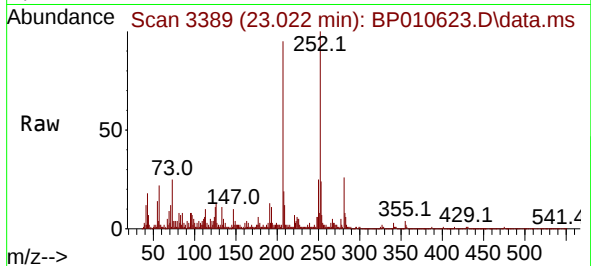




#89
Benzo(k)fluoranthene
Concen: 5.226 ng
RT: 23.022 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

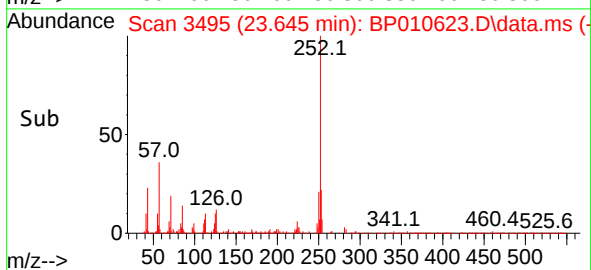
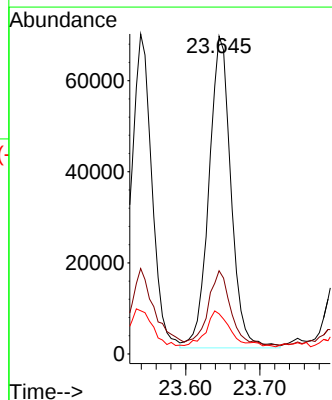
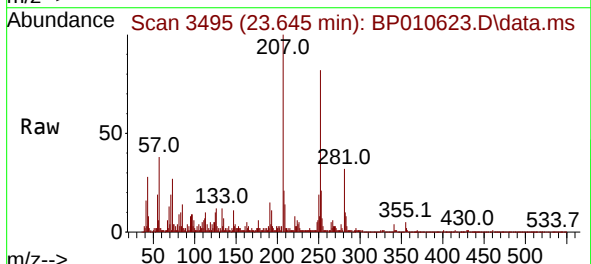
Instrument :
BNA_P
ClientSampleId :
2147

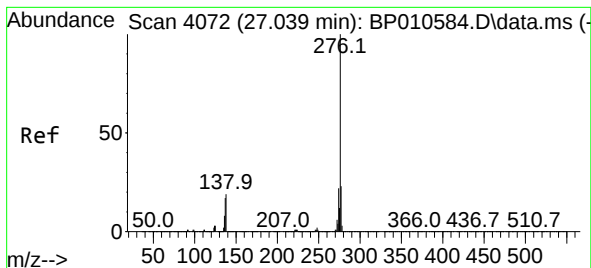
Tgt Ion:252 Resp: 217281
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 10.7 7.0 10.4#



#90
Benzo(a)pyrene
Concen: 4.163 ng
RT: 23.645 min Scan# 3495
Delta R.T. -0.000 min
Lab File: BP010623.D
Acq: 29 May 2022 17:28

Tgt Ion:252 Resp: 141245
Ion Ratio Lower Upper
252 100
253 26.2 17.0 25.6#
125 12.7 7.9 11.9#





#92

Benzo(g,h,i)perylene

Concen: 2.854 ng

RT: 27.033 min Scan# 4071

Delta R.T. -0.006 min

Lab File: BP010623.D

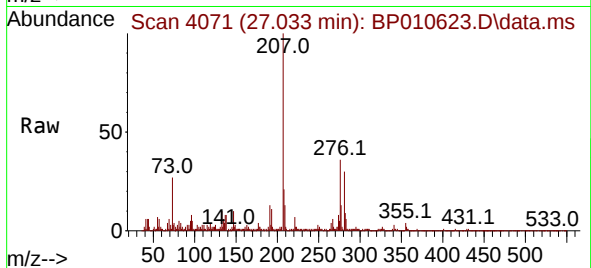
Acq: 29 May 2022 17:28

Instrument :

BNA_P

ClientSampleId :

2147



Tgt Ion:276 Resp: 112702

Ion Ratio Lower Upper

276 100

277 35.1 18.7 28.1#

138 21.7 15.2 22.8

