

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060624\
 Data File : BP020546.D
 Acq On : 06 Jun 2024 18:16
 Operator : MA/JU
 Sample : P2705-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 330

Quant Time: Jun 06 18:56:04 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)

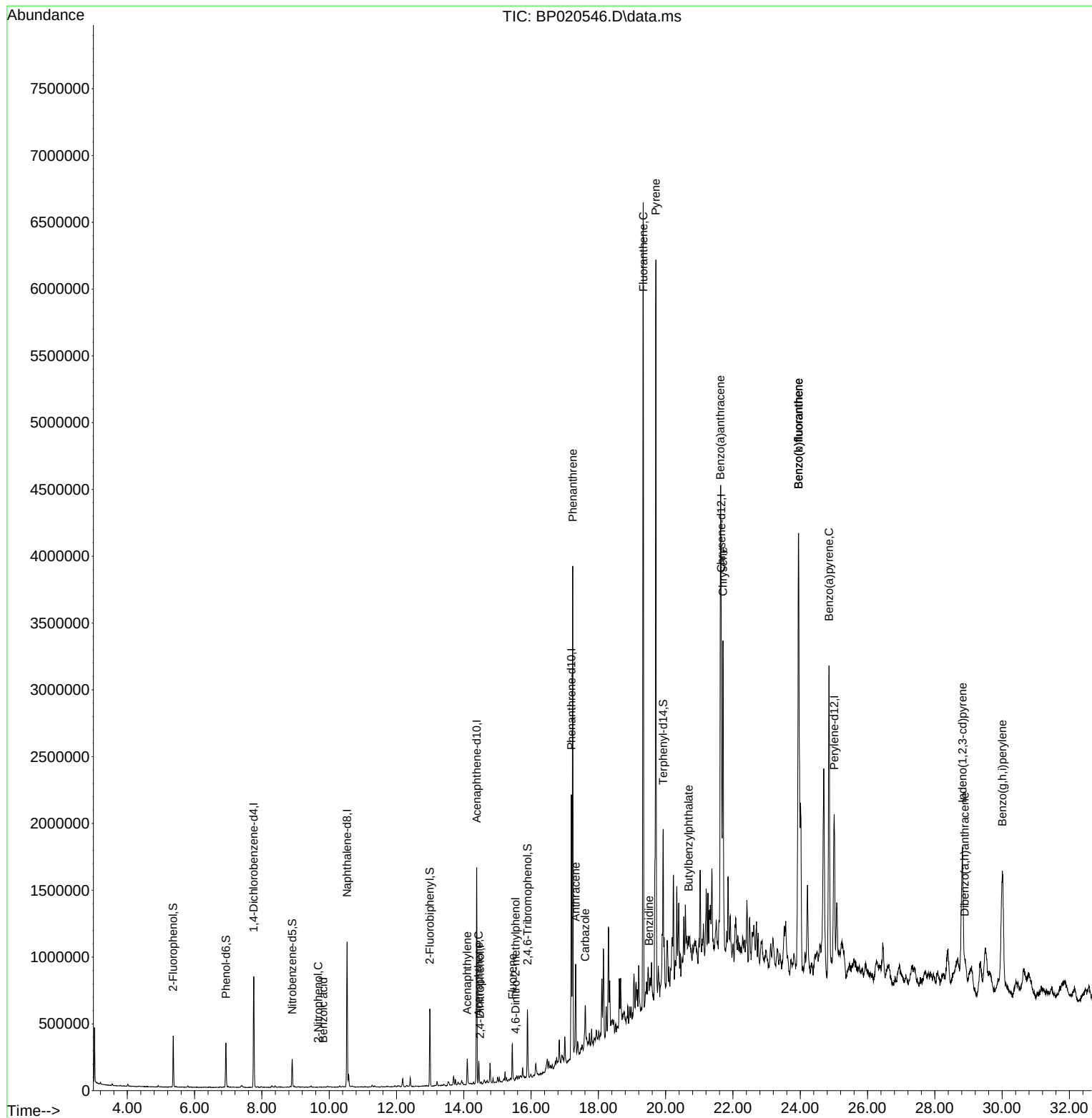
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	238164	20.000	ng	-0.01
21) Naphthalene-d8	10.534	136	870848	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	547407	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	1192833	20.000	ng	0.00
76) Chrysene-d12	21.651	240	1067467	20.000	ng	-0.02
86) Perylene-d12	25.010	264	1290327	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	161286	12.125	ng	-0.01
7) Phenol-d6	6.928	99	191459	10.206	ng	0.00
23) Nitrobenzene-d5	8.899	82	121355	7.628	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	92152	16.221	ng	-0.02
45) 2-Fluorobiphenyl	12.993	172	319299	8.695	ng	-0.01
79) Terphenyl-d14	19.927	244	530492	8.273	ng	-0.02
Target Compounds						Qvalue
26) 2-Nitrophenol	9.675	139	77	3.802	ng	# 1
32) Benzoic acid	9.822	122	181	6.866	ng	# 75
49) Acenaphthylene	14.104	152	155185	3.405	ng	97
52) Acenaphthene	14.445	154	61224	2.130	ng	97
54) 2,4-Dinitrophenol	14.487	184	18	4.980	ng	# 1
58) Fluorene	15.445	166	119791	3.277	ng	99
65) 4,6-Dinitro-2-methylph...	15.539	198	175	7.681	ng	# 1
71) Phenanthrene	17.239	178	2098140	35.782	ng	99
72) Anthracene	17.328	178	482957	8.394	ng	100
73) Carbazole	17.610	167	224468	4.033	ng	98
75) Fluoranthene	19.333	202	4080114	58.817	ng	99
77) Benzidine	19.510	184	472	5.981	ng	# 1
78) Pyrene	19.710	202	3637063	45.297	ng	99
80) Butylbenzylphthalate	20.680	149	1654	2.480	ng	# 62
81) Benzo(a)anthracene	21.627	228	2104099	29.936	ng	98
83) Chrysene	21.704	228	2054192	31.016	ng	97
87) Indeno(1,2,3-cd)pyrene	28.821	276	1851524	23.597	ng	# 91
88) Benzo(b)fluoranthene	23.951	252	3798764	47.257	ng	98
89) Benzo(k)fluoranthene	23.951	252	3798764	48.453	ng	98
90) Benzo(a)pyrene	24.857	252	2344411	35.216	ng	98
91) Dibenzo(a,h)anthracene	28.892	278	445819	6.812	ng	# 92
92) Benzo(g,h,i)perylene	30.009	276	1781377	27.232	ng	96

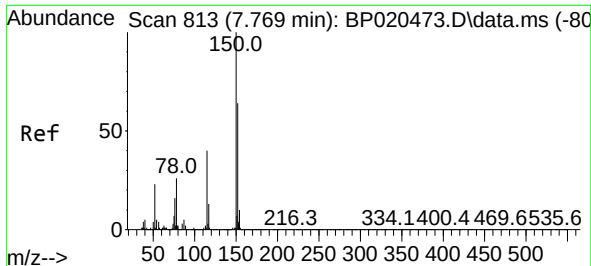
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060624\
Data File : BP020546.D
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Quant Time: Jun 06 18:56:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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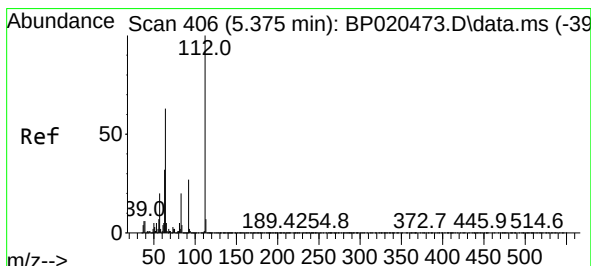
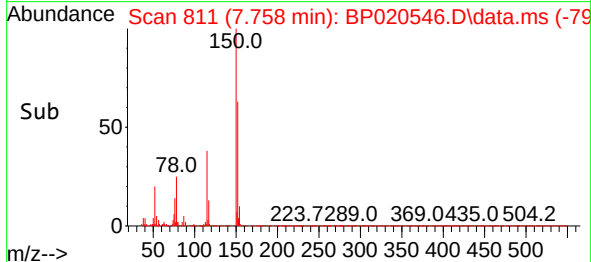
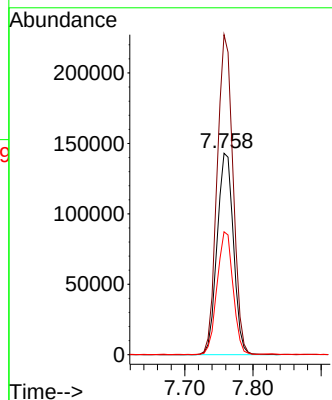
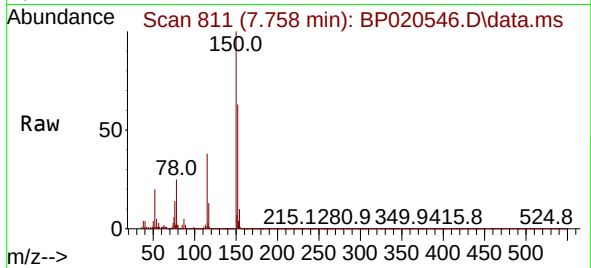




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.758 min Scan# 813
 Delta R.T. -0.011 min
 Lab File: BP020546.D
 Acq: 06 Jun 2024 18:16

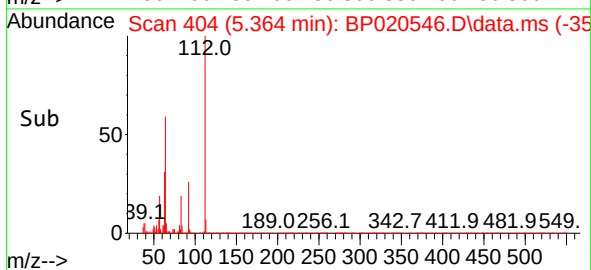
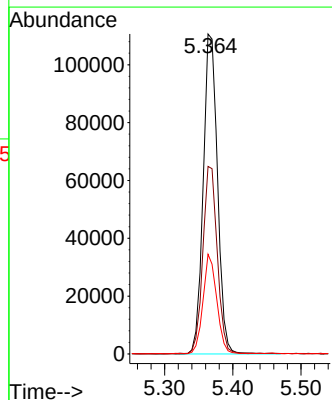
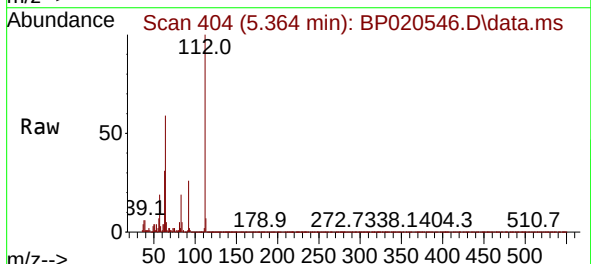
Instrument :
 BNA_P
 ClientSampleId :
 330

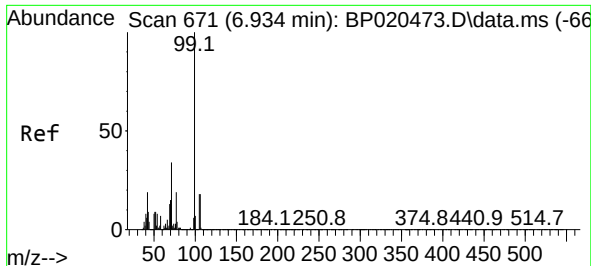
Tgt Ion:152 Resp: 238164
 Ion Ratio Lower Upper
 152 100
 150 158.9 124.2 186.2
 115 61.1 49.5 74.3



#5
 2-Fluorophenol
 Concen: 12.125 ng
 RT: 5.364 min Scan# 404
 Delta R.T. -0.012 min
 Lab File: BP020546.D
 Acq: 06 Jun 2024 18:16

Tgt Ion:112 Resp: 161286
 Ion Ratio Lower Upper
 112 100
 64 58.6 50.1 75.1
 63 31.2 25.7 38.5

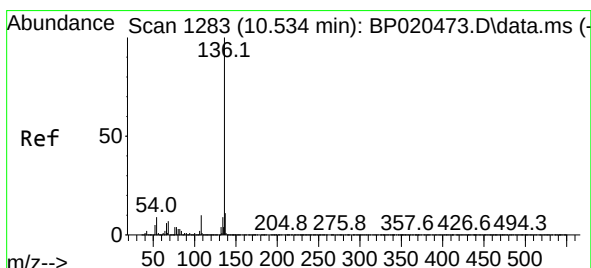
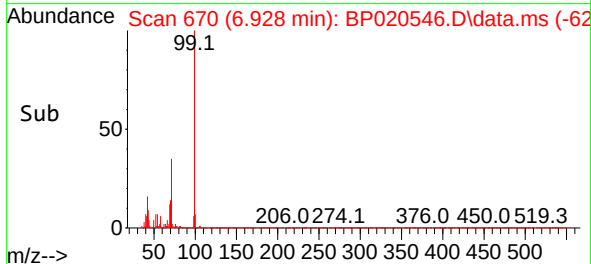
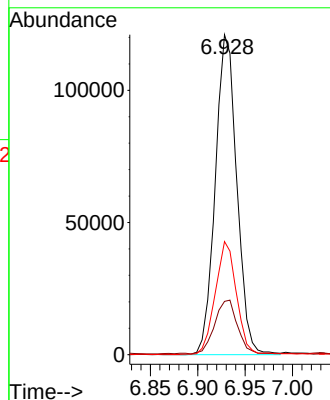
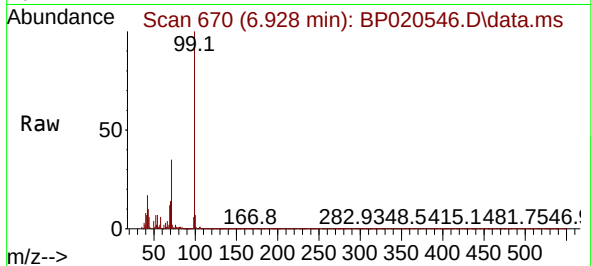




#7
Phenol-d6
Concen: 10.206 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

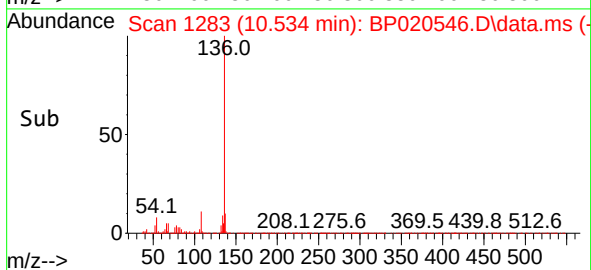
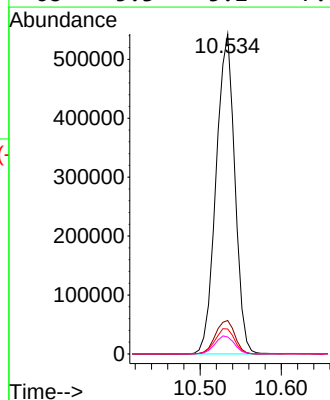
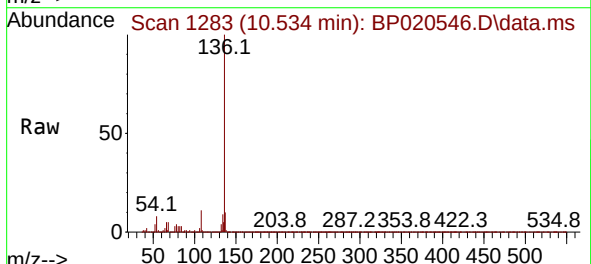
Instrument :
BNA_P
ClientSampleId :
330

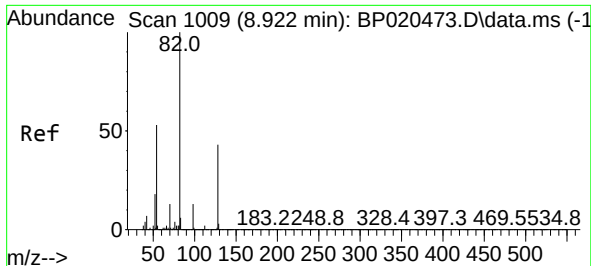
Tgt Ion: 99 Resp: 191459
Ion Ratio Lower Upper
99 100
42 16.7 15.0 22.4
71 35.4 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Tgt Ion: 136 Resp: 870848
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 7.8 7.4 11.0
68 5.3 5.2 7.8

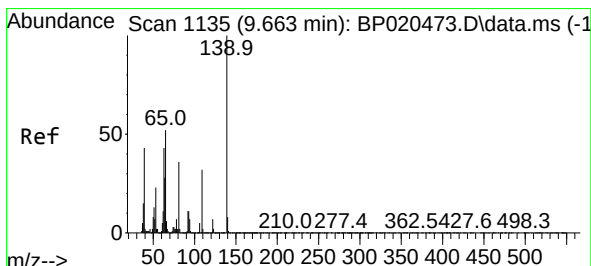
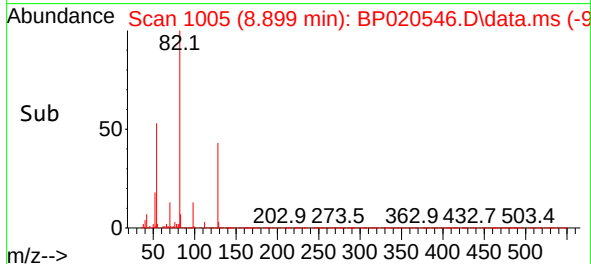
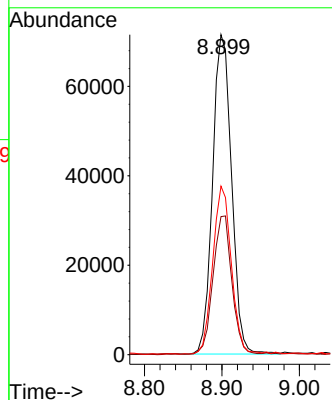
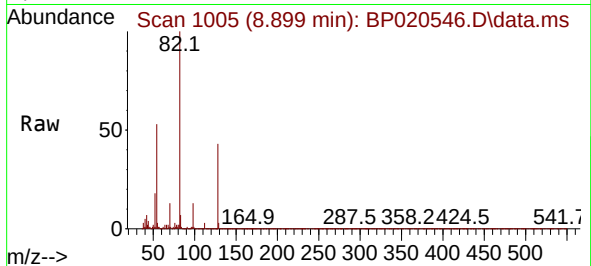




#23
Nitrobenzene-d5
Concen: 7.628 ng
RT: 8.899 min Scan# 1005
Delta R.T. -0.024 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

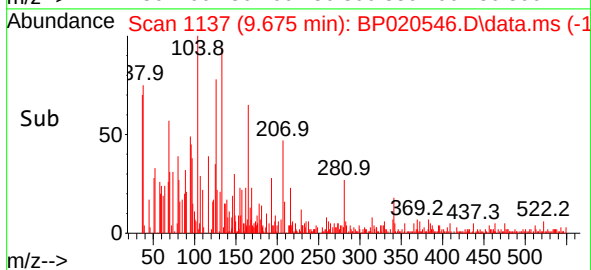
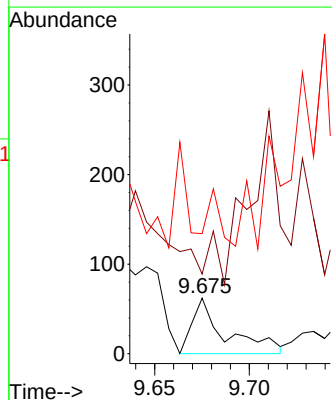
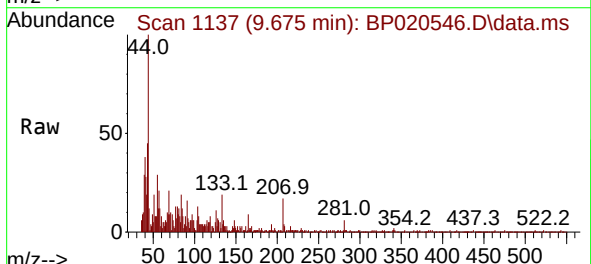
Instrument :
BNA_P
ClientSampleId :
330

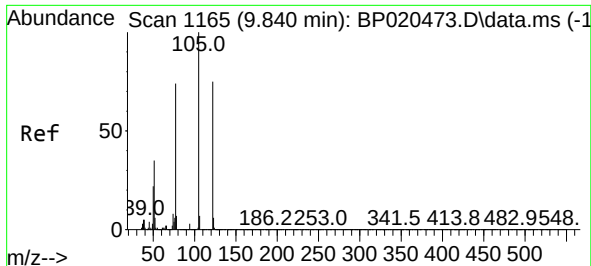
Tgt Ion: 82 Resp: 121355
Ion Ratio Lower Upper
82 100
128 43.2 34.2 51.4
54 52.6 42.7 64.1



#26
2-Nitrophenol
Concen: 3.802 ng
RT: 9.675 min Scan# 1137
Delta R.T. 0.012 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Tgt Ion: 139 Resp: 77
Ion Ratio Lower Upper
139 100
109 143.5 25.8 38.8#
65 216.1 41.8 62.8#

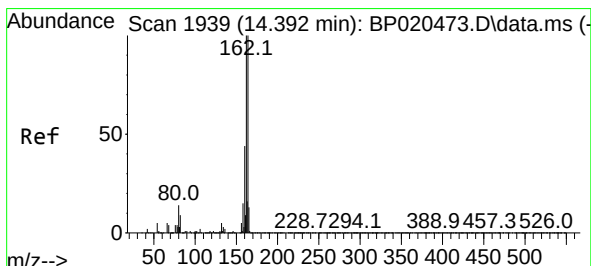
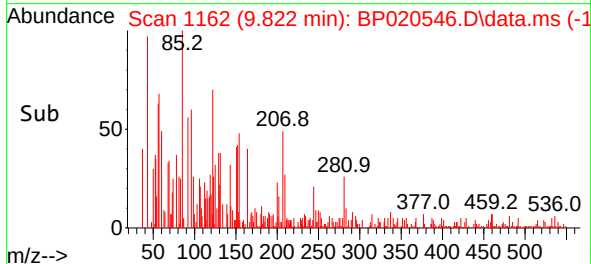
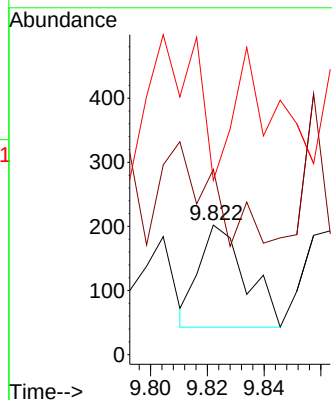
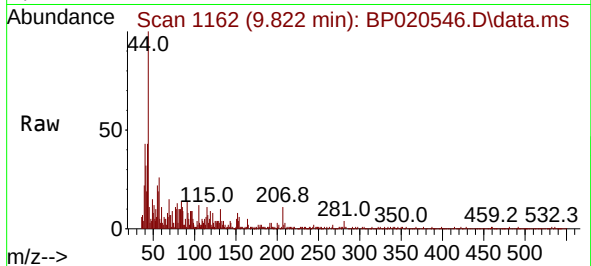




#32
Benzoic acid
Concen: 6.866 ng
RT: 9.822 min Scan# 1165
Delta R.T. -0.018 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

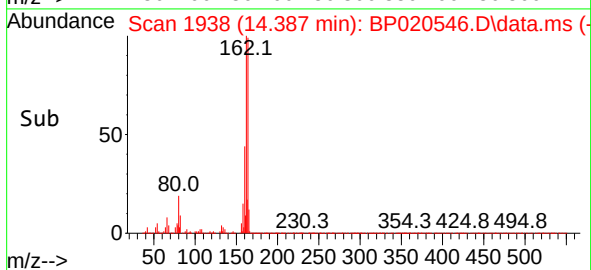
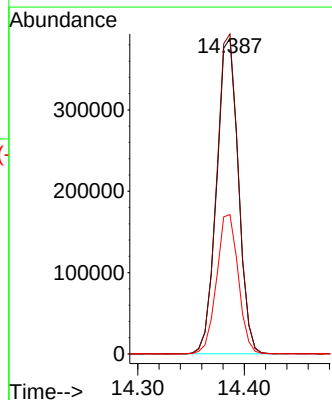
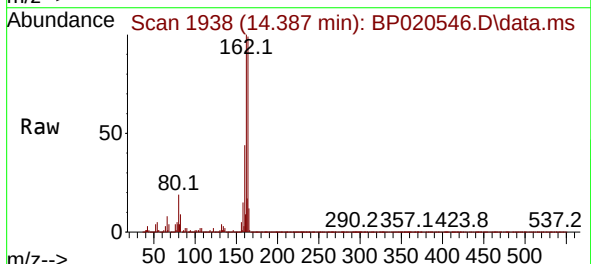
Instrument :
BNA_P
ClientSampleId :
330

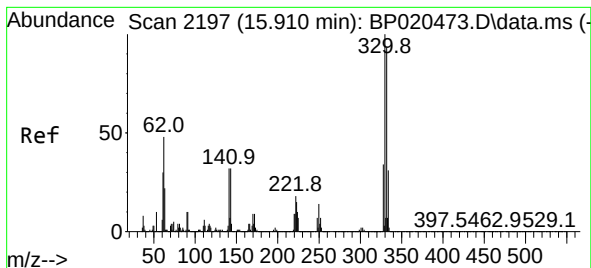
Tgt Ion:122 Resp: 181
Ion Ratio Lower Upper
122 100
105 143.1 107.5 147.5
77 134.7 76.1 116.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Tgt Ion:164 Resp: 547407
Ion Ratio Lower Upper
164 100
162 101.5 80.3 120.5
160 44.2 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 16.221 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

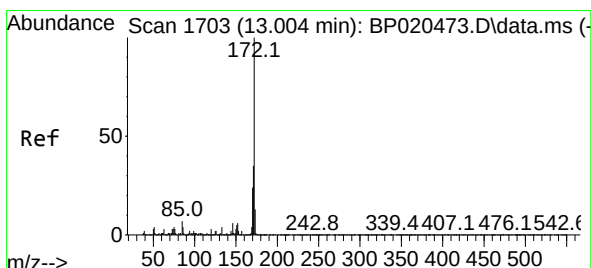
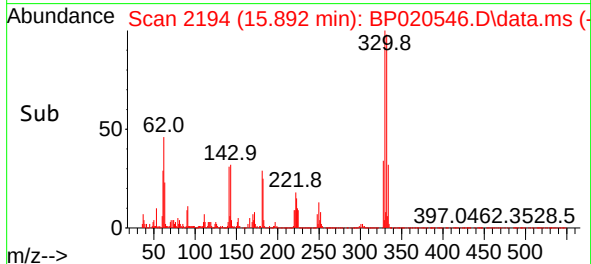
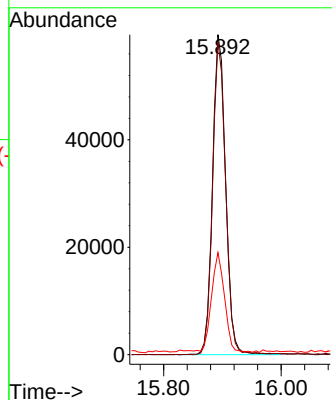
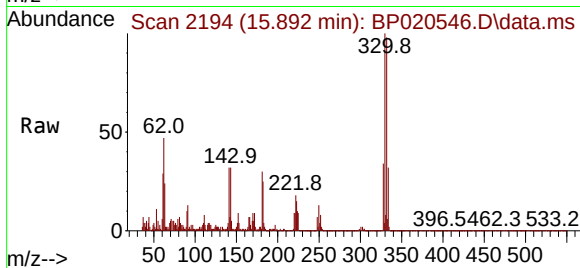
Tgt Ion:330 Resp: 92152

Ion Ratio Lower Upper

330 100

332 96.4 76.6 114.8

141 31.1 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 8.695 ng

RT: 12.993 min Scan# 1701

Delta R.T. -0.012 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

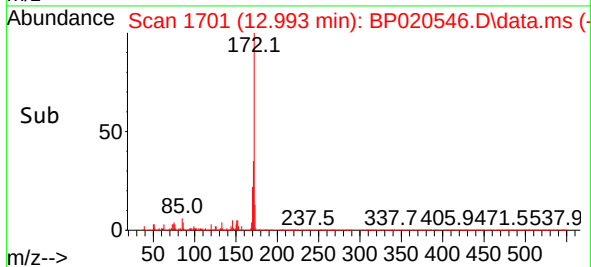
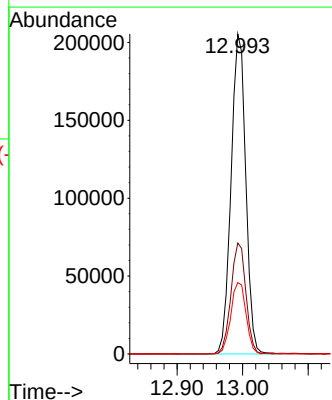
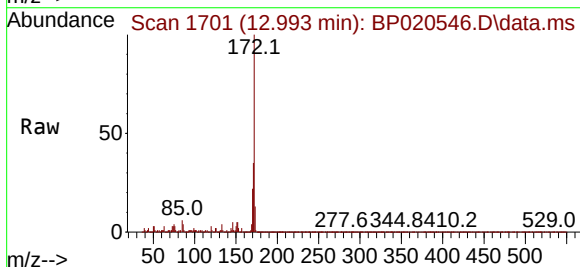
Tgt Ion:172 Resp: 319299

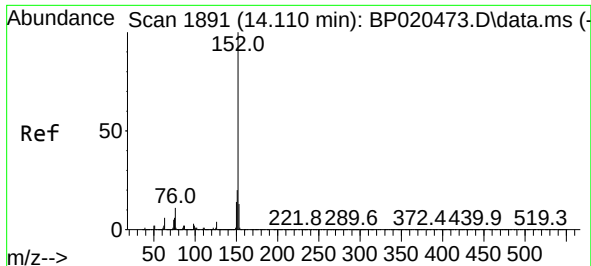
Ion Ratio Lower Upper

172 100

171 34.6 28.4 42.6

170 22.3 18.9 28.3

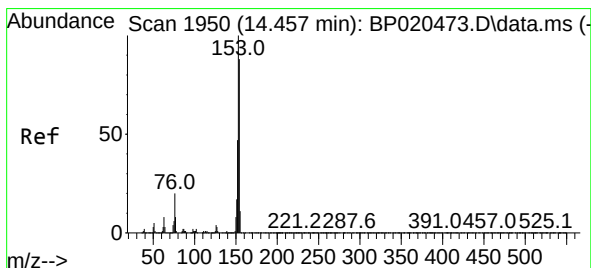
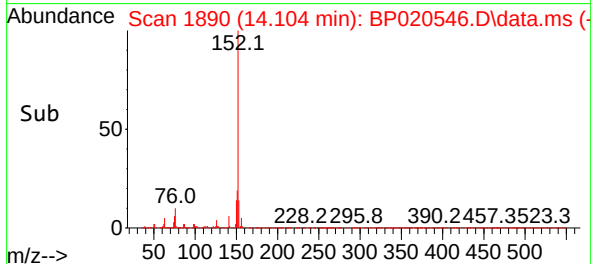
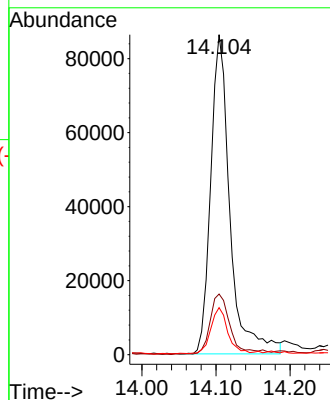
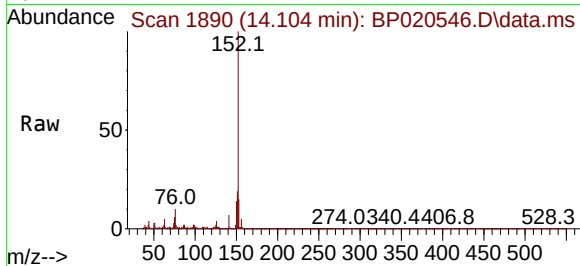




#49
Acenaphthylene
Concen: 3.405 ng
RT: 14.104 min Scan# 1891
Delta R.T. -0.006 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

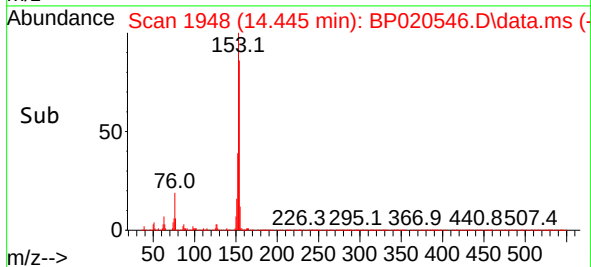
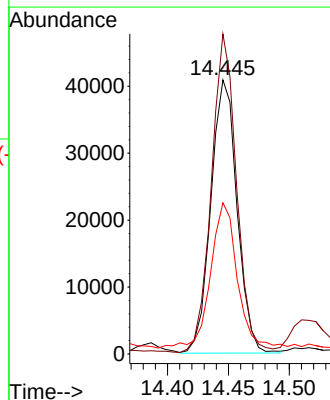
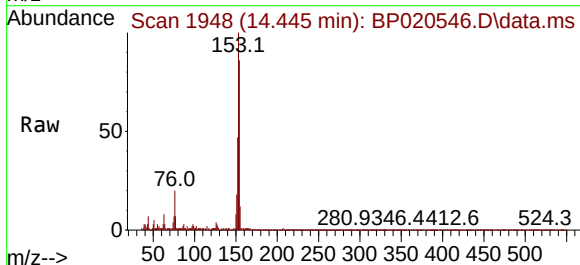
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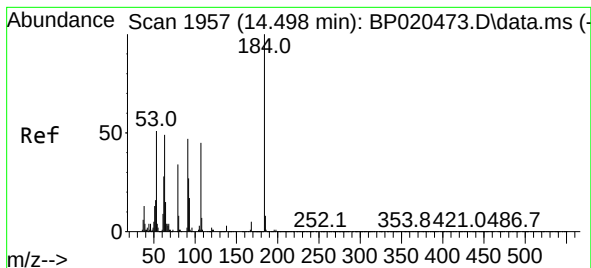
Tgt Ion:152 Resp: 155185
Ion Ratio Lower Upper
152 100
151 18.9 15.9 23.9
153 14.7 10.6 15.8



#52
Acenaphthene
Concen: 2.130 ng
RT: 14.445 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Tgt Ion:154 Resp: 61224
Ion Ratio Lower Upper
154 100
153 116.7 90.6 136.0
152 55.1 42.6 63.8

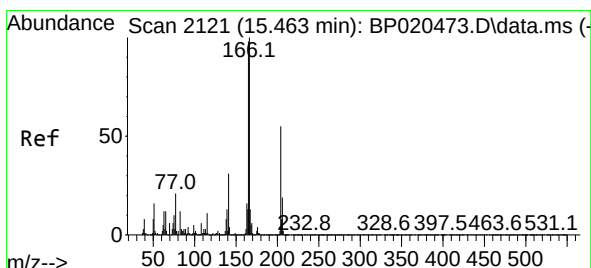
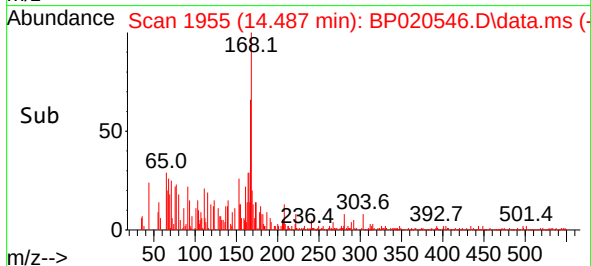
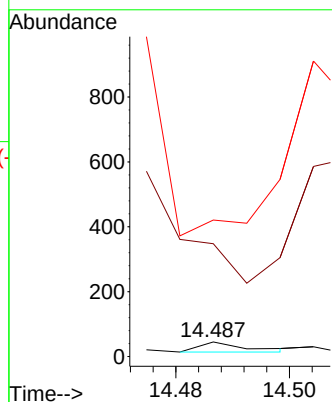
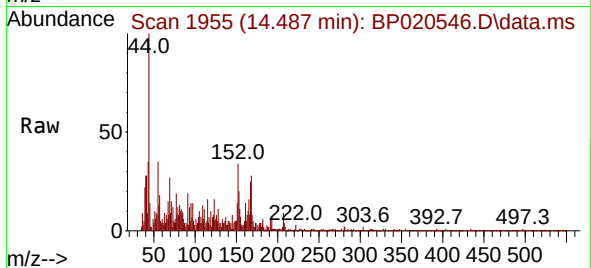




#54
2,4-Dinitrophenol
Concen: 4.980 ng
RT: 14.487 min Scan# 1955
Delta R.T. -0.011 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

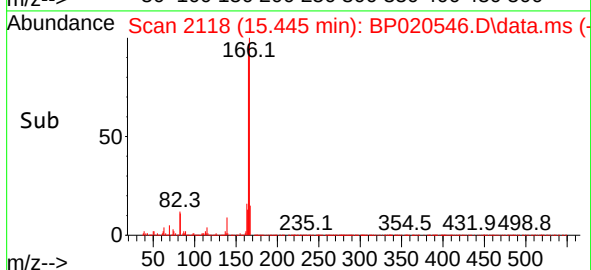
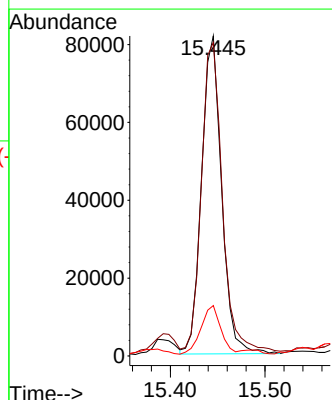
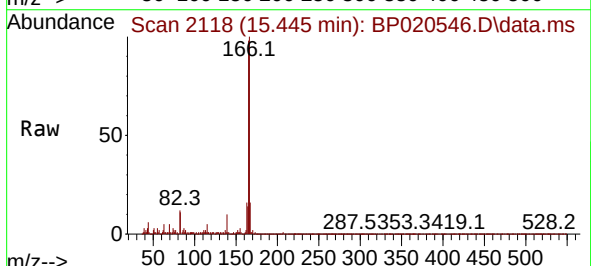
Instrument :
BNA_P
ClientSampleId :
330

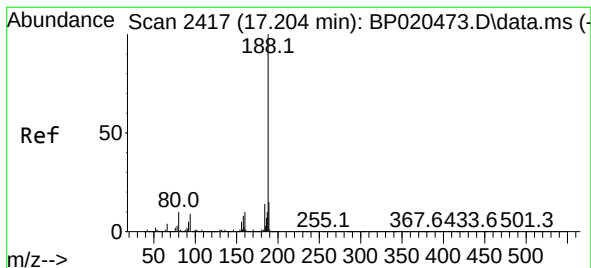
Tgt Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 773.3 54.2 81.4#
154 935.6 51.0 76.6#



#58
Fluorene
Concen: 3.277 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Tgt Ion:166 Resp: 119791
Ion Ratio Lower Upper
166 100
165 98.0 78.2 117.4
167 15.7 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.198 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

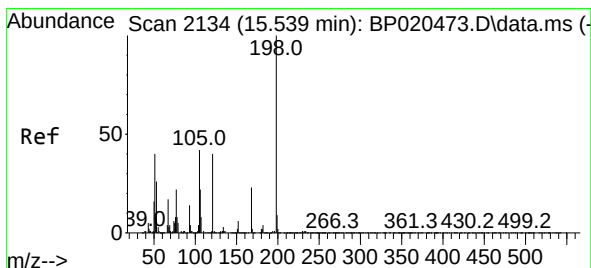
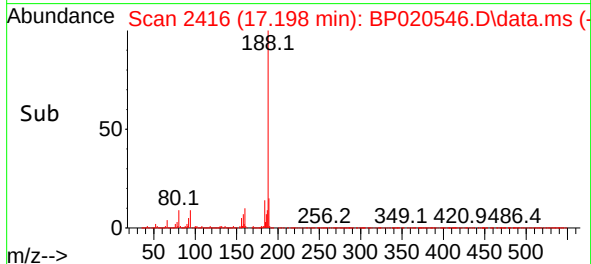
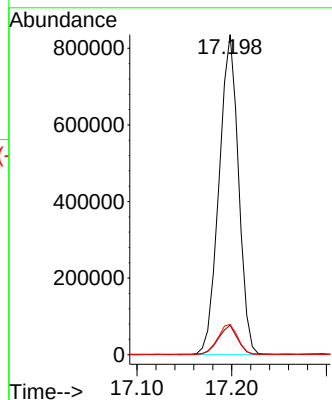
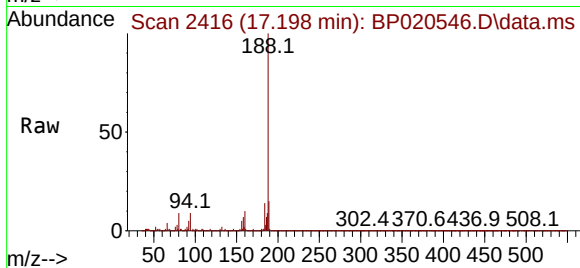
Tgt Ion:188 Resp: 1192833

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

80 9.5 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.681 ng

RT: 15.539 min Scan# 2134

Delta R.T. 0.000 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

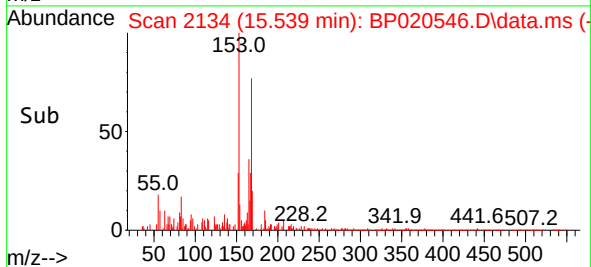
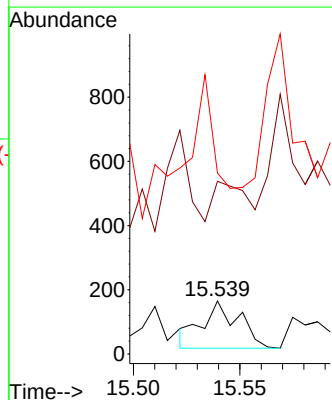
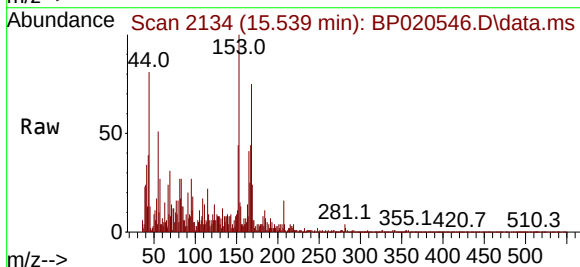
Tgt Ion:198 Resp: 175

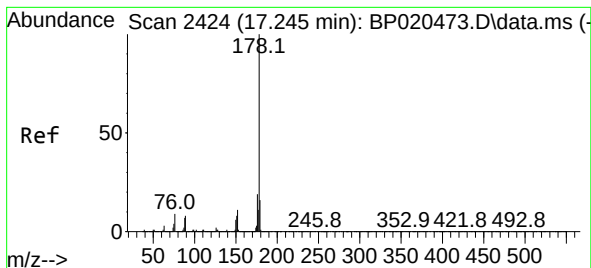
Ion Ratio Lower Upper

198 100

51 326.1 24.8 64.8#

105 341.8 23.2 63.2#





#71

Phenanthrene

Concen: 35.782 ng

RT: 17.239 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

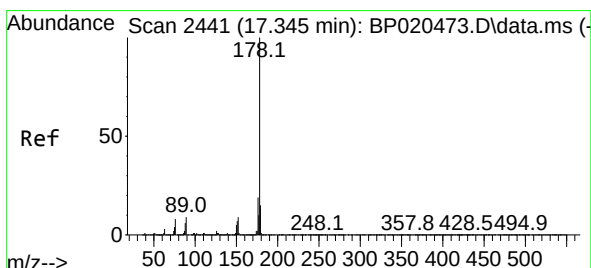
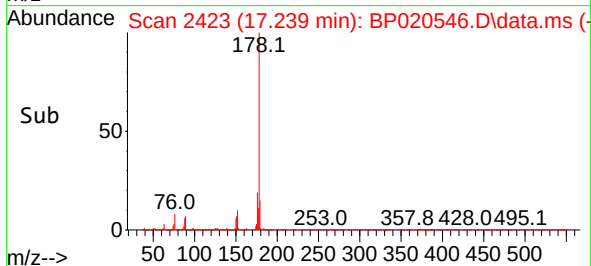
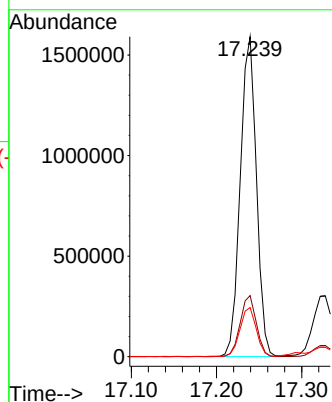
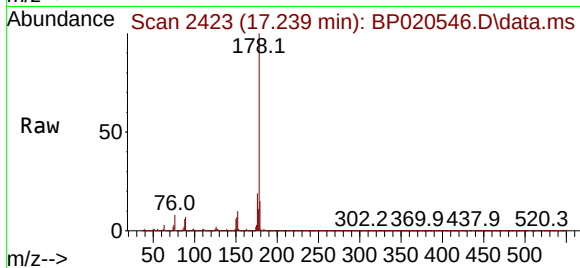
Tgt Ion:178 Resp: 2098140

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.4 12.5 18.7



#72

Anthracene

Concen: 8.394 ng

RT: 17.328 min Scan# 2438

Delta R.T. -0.018 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

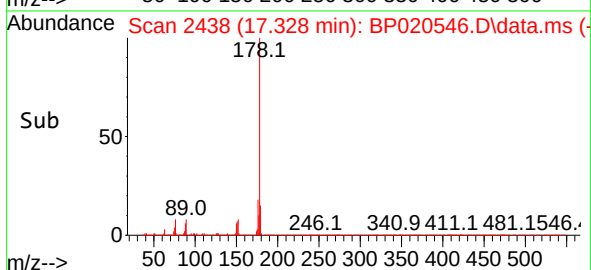
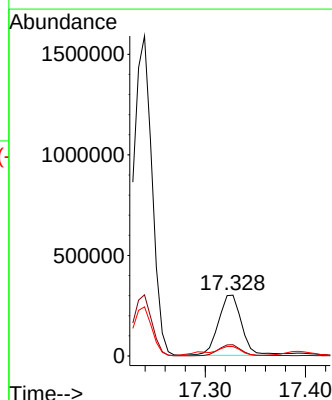
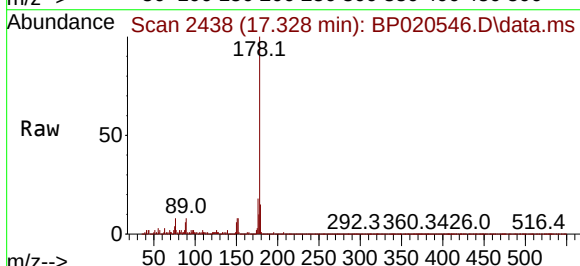
Tgt Ion:178 Resp: 482957

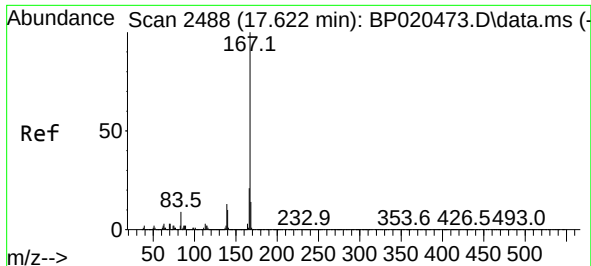
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.5 12.2 18.4

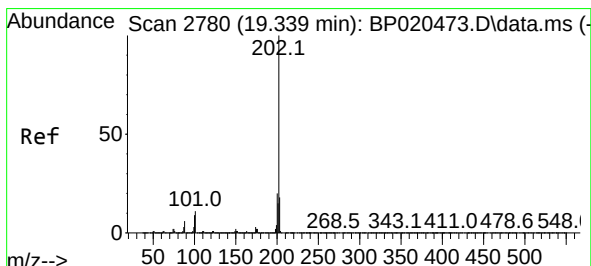
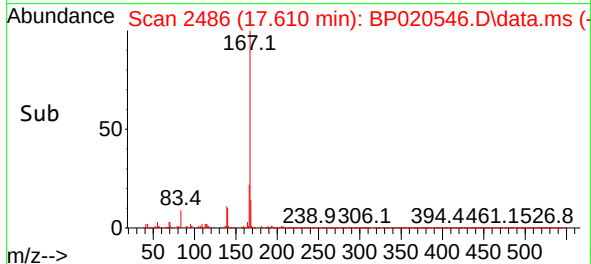
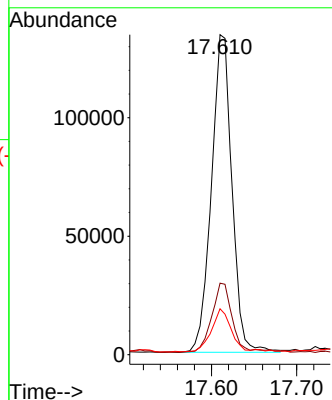
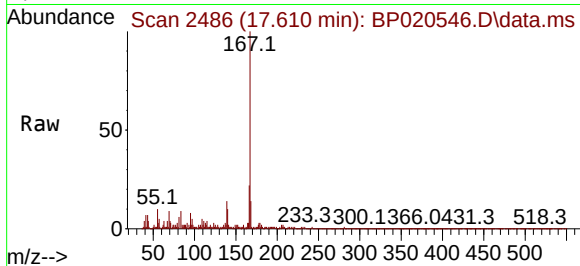




#73
 Carbazole
 Concen: 4.033 ng
 RT: 17.610 min Scan# 2488
 Delta R.T. -0.012 min
 Lab File: BP020546.D
 Acq: 06 Jun 2024 18:16

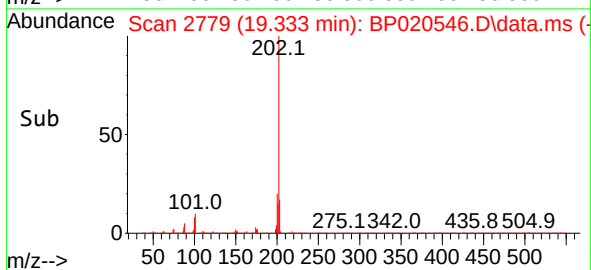
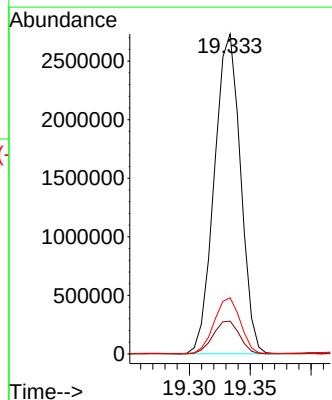
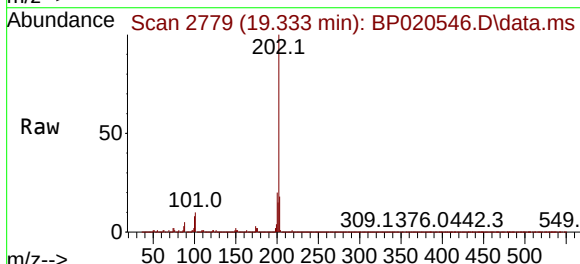
Instrument :
 BNA_P
 ClientSampleId :
 330

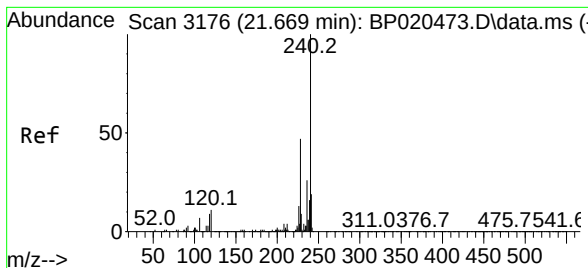
Tgt Ion:167 Resp: 224468
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.1 25.7
 139 14.3 10.5 15.7



#75
 Fluoranthene
 Concen: 58.817 ng
 RT: 19.333 min Scan# 2779
 Delta R.T. -0.006 min
 Lab File: BP020546.D
 Acq: 06 Jun 2024 18:16

Tgt Ion:202 Resp: 4080114
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.4
 203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.651 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

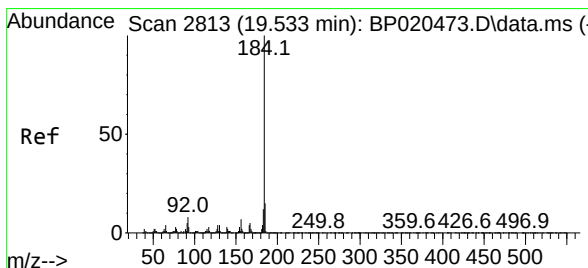
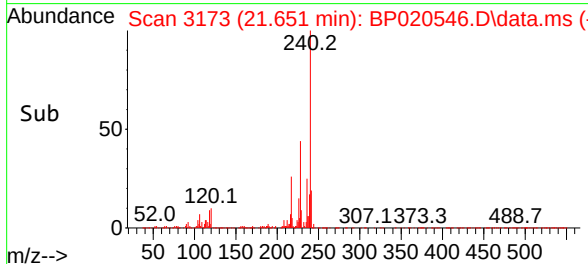
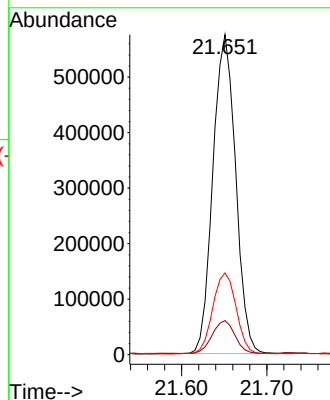
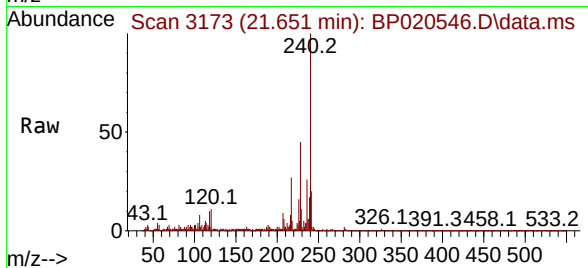
Tgt Ion:240 Resp: 1067467

Ion Ratio Lower Upper

240 100

120 10.7 8.5 12.7

236 25.6 20.5 30.7



#77

Benzidine

Concen: 5.981 ng

RT: 19.510 min Scan# 2809

Delta R.T. -0.023 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

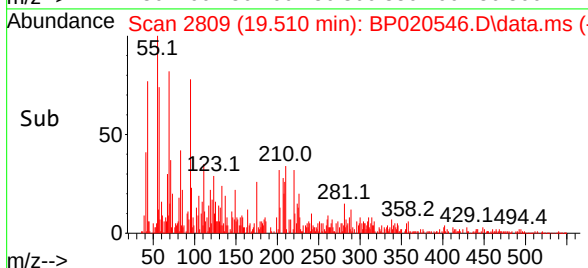
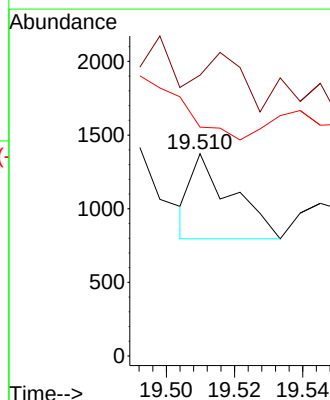
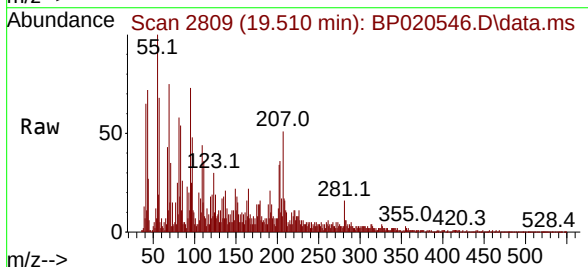
Tgt Ion:184 Resp: 472

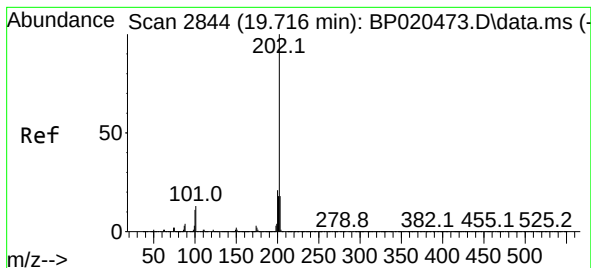
Ion Ratio Lower Upper

184 100

185 138.9 12.0 18.0#

183 113.2 9.4 14.0#





#78

Pyrene

Concen: 45.297 ng

RT: 19.710 min Scan# 2843

Delta R.T. -0.006 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

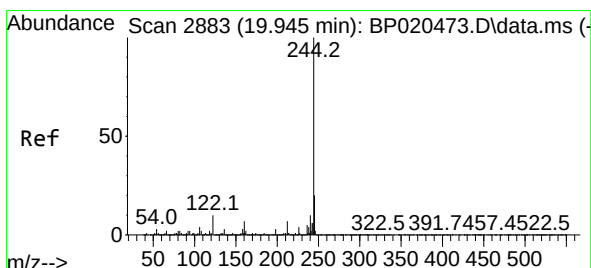
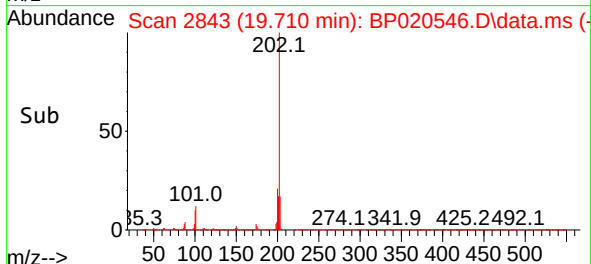
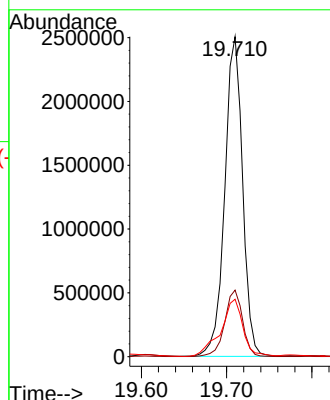
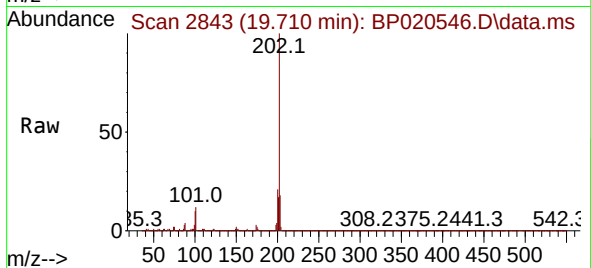
Tgt Ion:202 Resp: 3637063

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 8.273 ng

RT: 19.927 min Scan# 2880

Delta R.T. -0.018 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

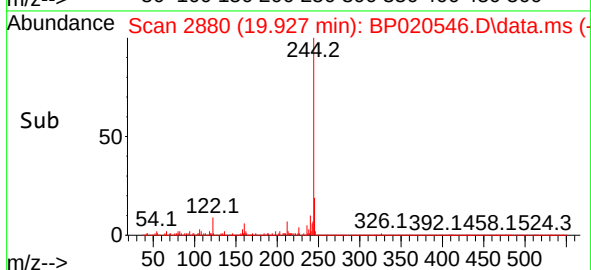
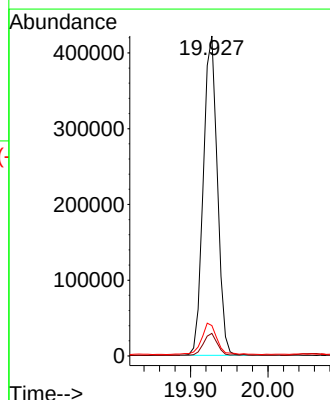
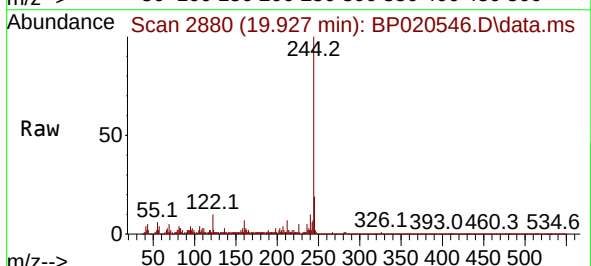
Tgt Ion:244 Resp: 530492

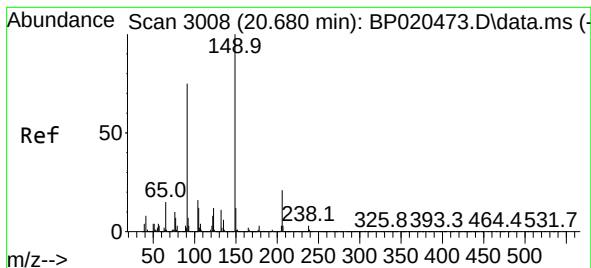
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 9.5 8.2 12.2





#80

Butylbenzylphthalate

Concen: 2.480 ng

RT: 20.680 min Scan# 3008

Delta R.T. 0.000 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

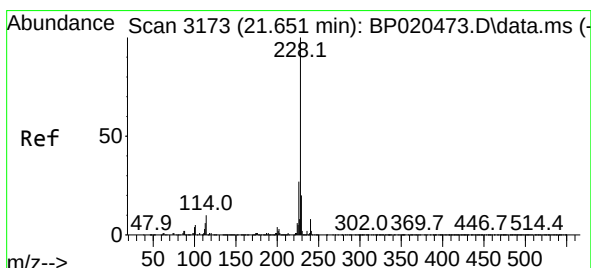
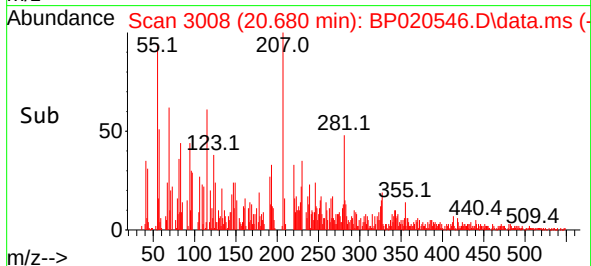
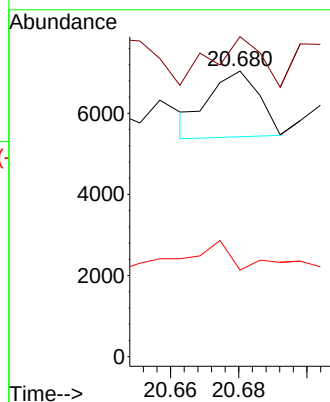
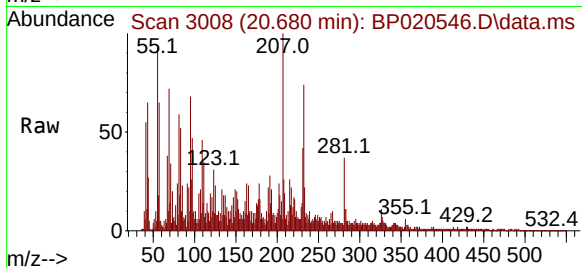
Tgt Ion:149 Resp: 1654

Ion Ratio Lower Upper

149 100

91 112.1 60.0 90.0#

206 30.3 16.6 25.0#



#81

Benzo(a)anthracene

Concen: 29.936 ng

RT: 21.627 min Scan# 3169

Delta R.T. -0.024 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

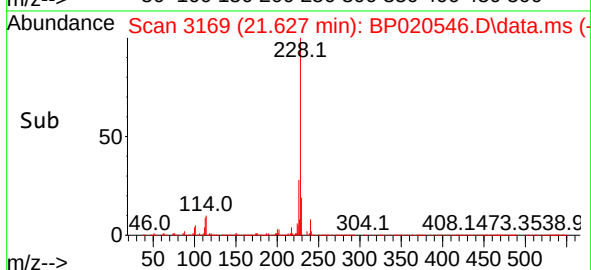
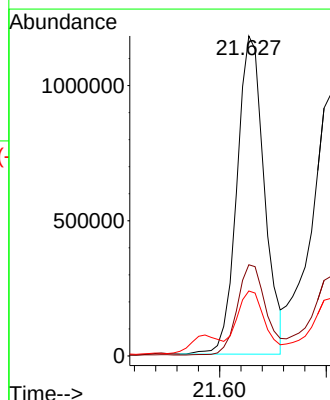
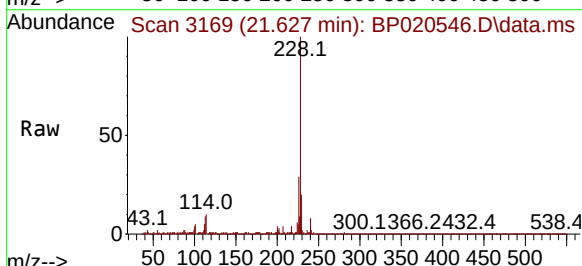
Tgt Ion:228 Resp: 2104099

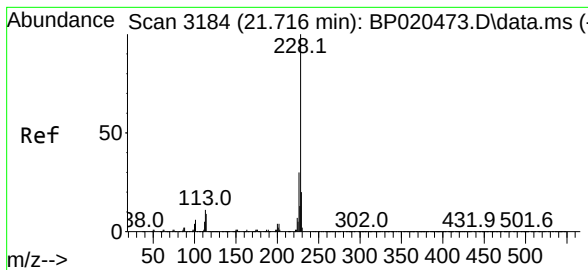
Ion Ratio Lower Upper

228 100

226 28.5 21.7 32.5

229 20.3 15.8 23.6





#83

Chrysene

Concen: 31.016 ng

RT: 21.704 min Scan# 3182

Delta R.T. -0.012 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

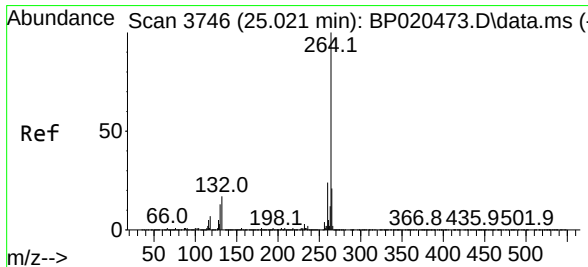
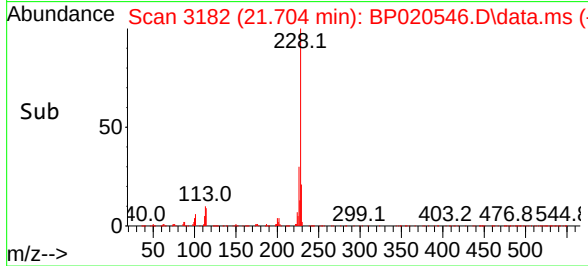
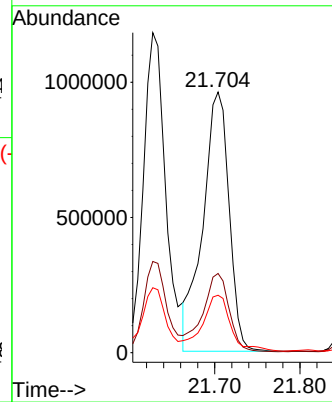
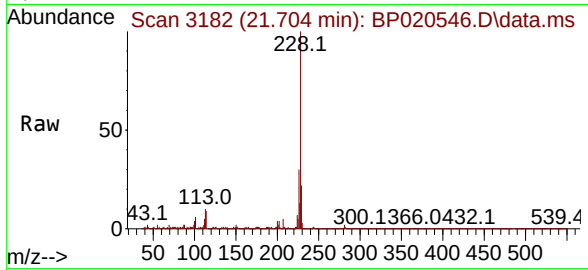
Tgt Ion:228 Resp: 2054192

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

229 22.1 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.010 min Scan# 3744

Delta R.T. -0.012 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

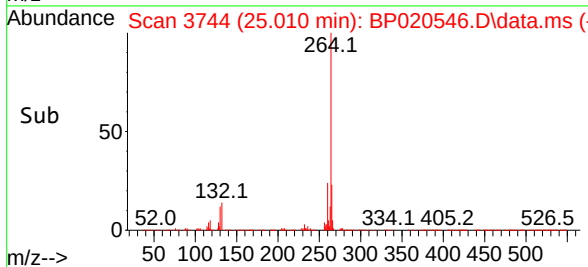
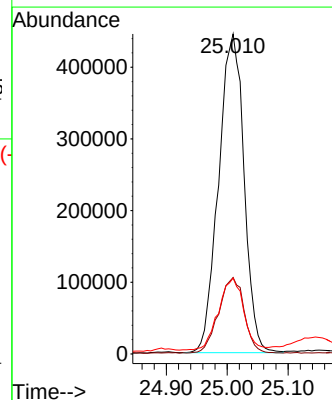
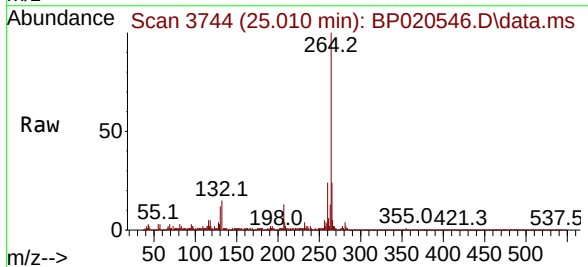
Tgt Ion:264 Resp: 1290327

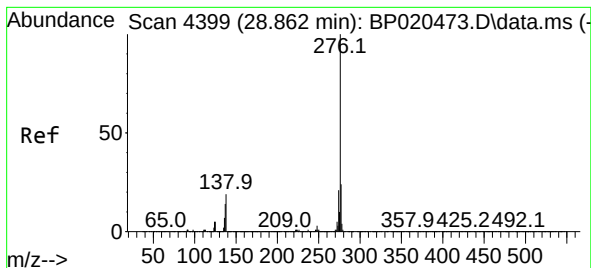
Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 23.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 23.597 ng

RT: 28.821 min Scan# 41

Delta R.T. -0.041 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

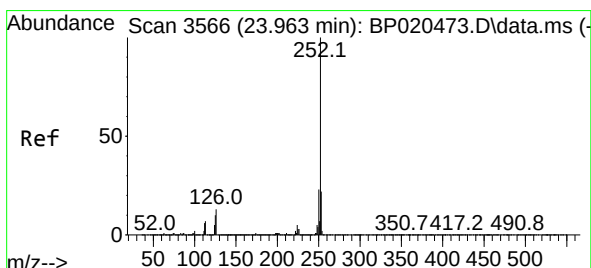
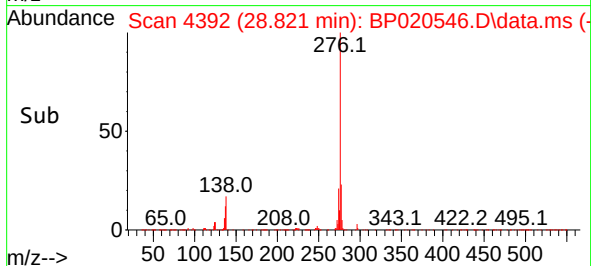
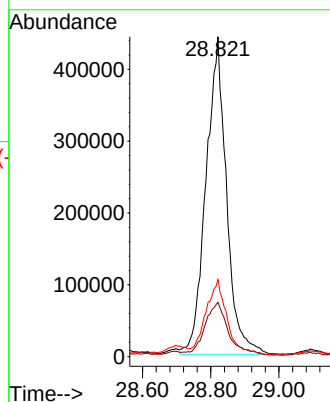
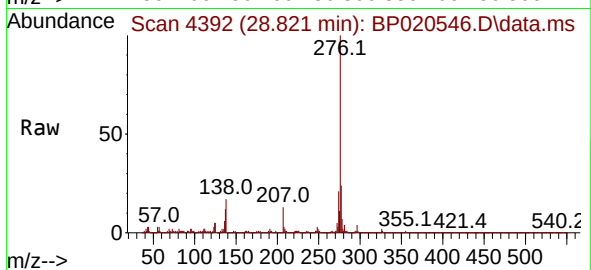
Tgt Ion:276 Resp: 1851524

Ion Ratio Lower Upper

276 100

138 18.5 12.8 19.2

277 24.5 15.6 23.4#



#88

Benzo(b)fluoranthene

Concen: 47.257 ng

RT: 23.951 min Scan# 3564

Delta R.T. -0.012 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

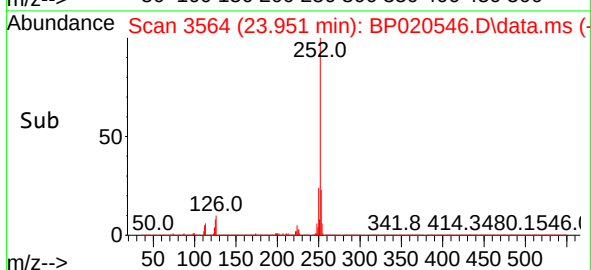
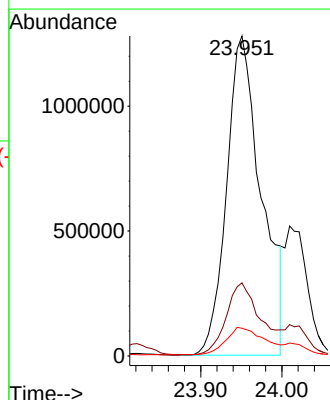
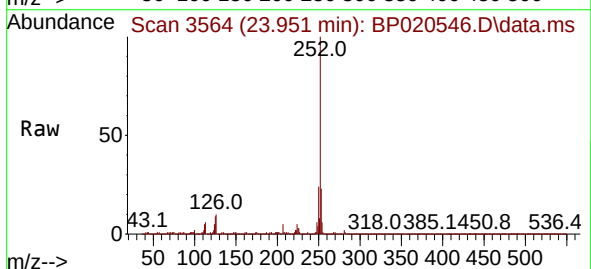
Tgt Ion:252 Resp: 3798764

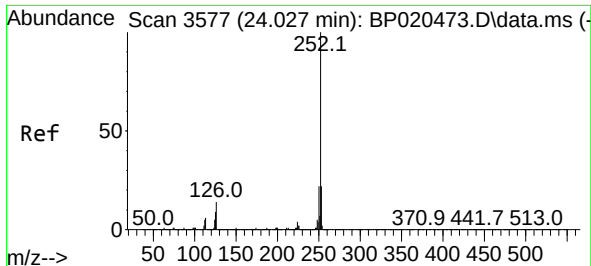
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 8.6 8.0 12.0

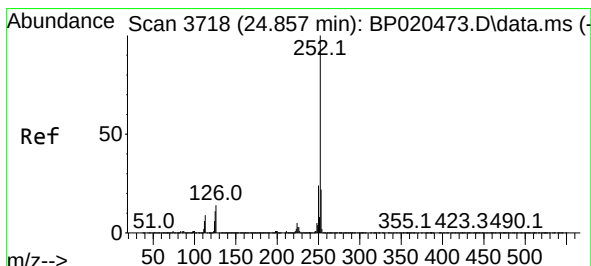
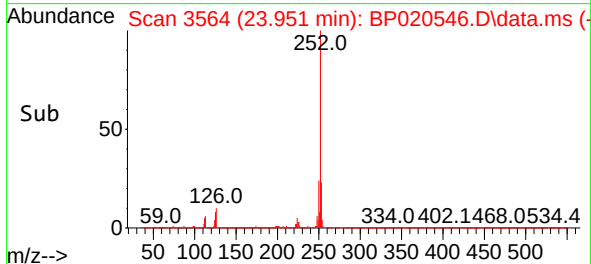
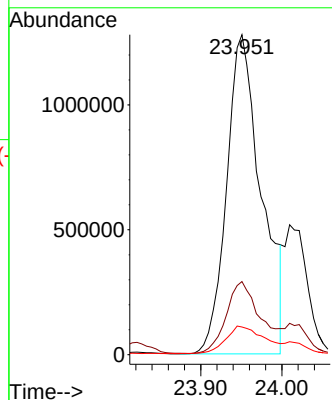
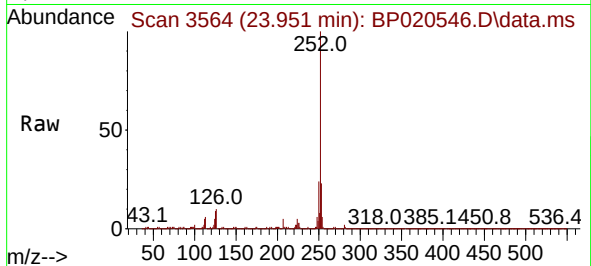




#89
Benzo(k)fluoranthene
Concen: 48.453 ng
RT: 23.951 min Scan# 31
Delta R.T. -0.076 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

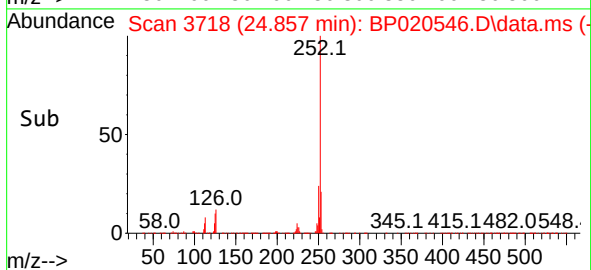
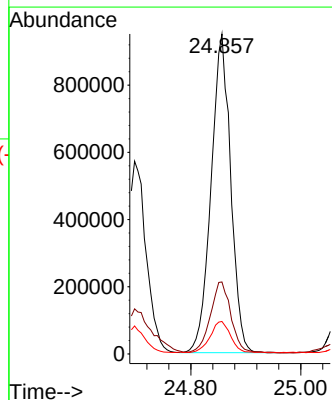
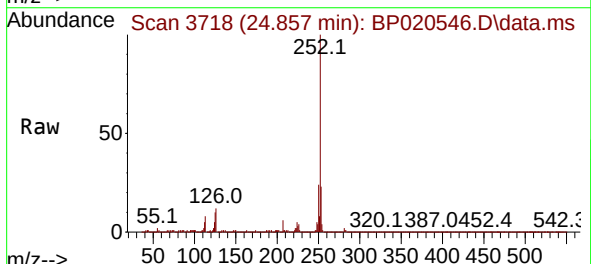
Instrument :
BNA_P
ClientSampleId :
330

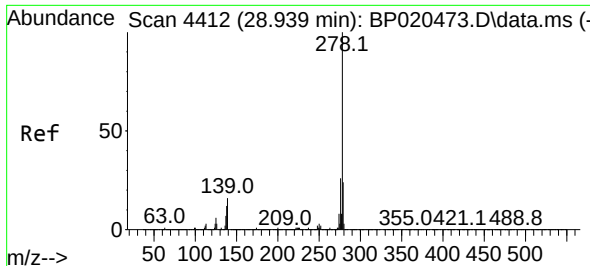
Tgt Ion:252 Resp: 3798764
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 8.6 7.8 11.6



#90
Benzo(a)pyrene
Concen: 35.216 ng
RT: 24.857 min Scan# 3718
Delta R.T. 0.000 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Tgt Ion:252 Resp: 2344411
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 10.1 8.9 13.3

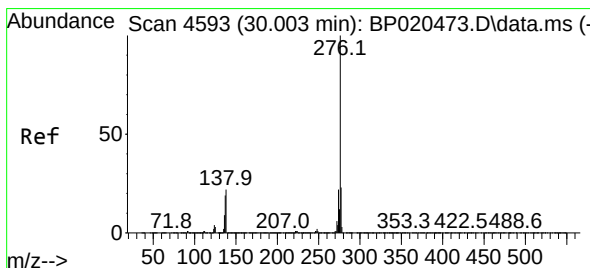
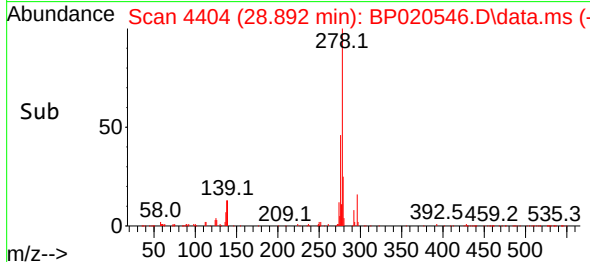
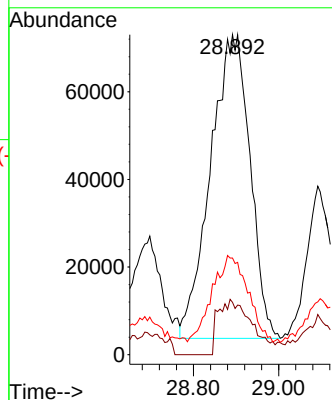
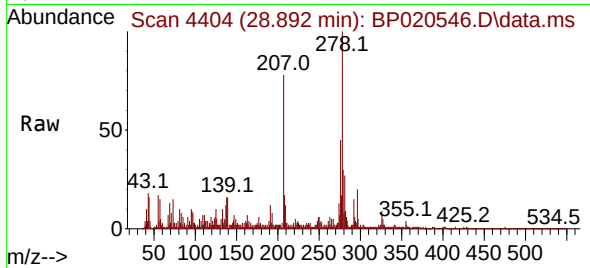




#91
Dibenzo(a,h)anthracene
Concen: 6.812 ng
RT: 28.892 min Scan# 4412
Delta R.T. -0.047 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Instrument :
BNA_P
ClientSampleId :
330

Tgt Ion:278 Resp: 445819
Ion Ratio Lower Upper
278 100
139 16.4 13.0 19.4
279 30.2 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 27.232 ng
RT: 30.009 min Scan# 4594
Delta R.T. 0.006 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Tgt Ion:276 Resp: 1781377
Ion Ratio Lower Upper
276 100
277 24.0 18.7 28.1
138 19.2 17.7 26.5

