

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
 Data File : BP021563.D
 Acq On : 19 Aug 2024 21:47
 Operator : RC/JU
 Sample : P3518-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-10-080724

Quant Time: Aug 20 00:09:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

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

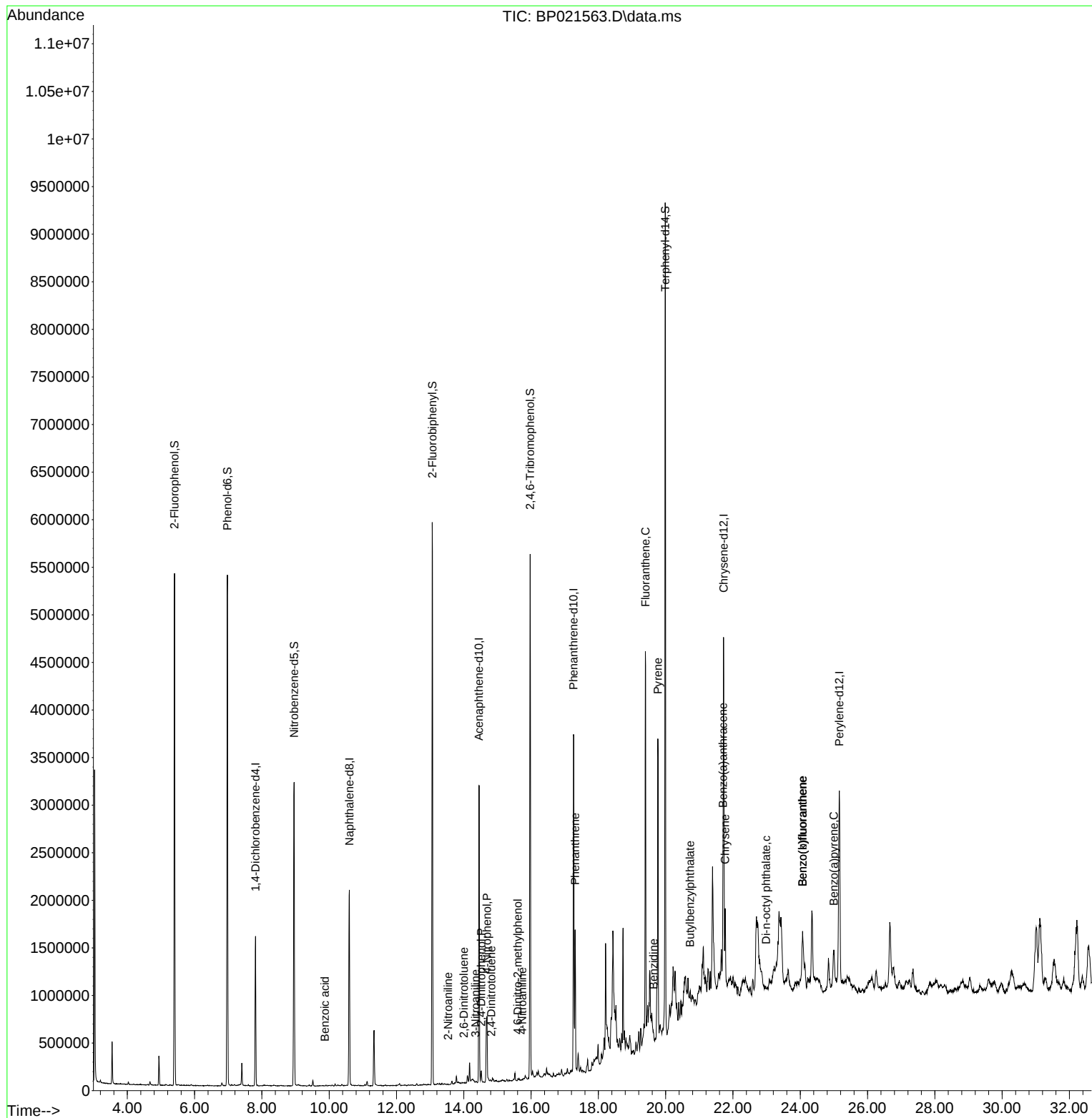
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	410606	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	1711864	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	1080200	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	2202973	20.000	ng	0.01
76) Chrysene-d12	21.721	240	1891065	20.000	ng	0.02
86) Perylene-d12	25.162	264	2235797	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	2479357	89.660	ng	0.01
7) Phenol-d6	6.975	99	3537106	87.684	ng	0.01
23) Nitrobenzene-d5	8.957	82	2101136	63.352	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	1191238	99.087	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	3105058	43.870	ng	0.00
79) Terphenyl-d14	19.992	244	4586986	47.123	ng	0.02
Target Compounds						Qvalue
26) 2-Nitrophenol	9.687	139	83	Below Cal	#	1
32) Benzoic acid	9.875	122	225	3.344	ng	# 69
48) 2-Nitroaniline	13.533	65	389	5.168	ng	# 49
51) 2,6-Dinitrotoluene	14.004	165	313	4.005	ng	# 81
53) 3-Nitroaniline	14.351	138	199	3.982	ng	# 47
54) 2,4-Dinitrophenol	14.522	184	188	2.501	ng	# 1
56) 4-Nitrophenol	14.692	139	2221	5.252	ng	# 1
57) 2,4-Dinitrotoluene	14.816	165	216	5.033	ng	# 78
62) 4-Nitroaniline	15.739	138	884	2.991	ng	90
65) 4,6-Dinitro-2-methylph...	15.604	198	116	4.629	ng	# 1
71) Phenanthrene	17.310	178	946934	8.938	ng	99
75) Fluoranthene	19.398	202	2485075	19.117	ng	99
77) Benzidine	19.645	184	512	4.581	ng	# 1
78) Pyrene	19.768	202	1752387	14.177	ng	100
80) Butylbenzylphthalate	20.727	149	4940	3.700	ng	# 29
81) Benzo(a)anthracene	21.704	228	412396	3.474	ng	96
83) Chrysene	21.768	228	643337	5.740	ng	97
85) Di-n-octyl phthalate	22.986	149	898	4.843	ng	# 1
88) Benzo(b)fluoranthene	24.068	252	682191	5.313	ng	95
89) Benzo(k)fluoranthene	24.068	252	682191	5.446	ng	# 94
90) Benzo(a)pyrene	24.998	252	326840	2.933	ng	# 94

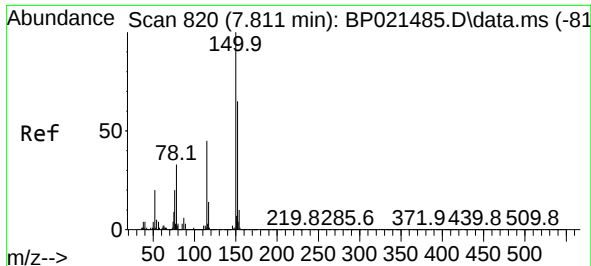
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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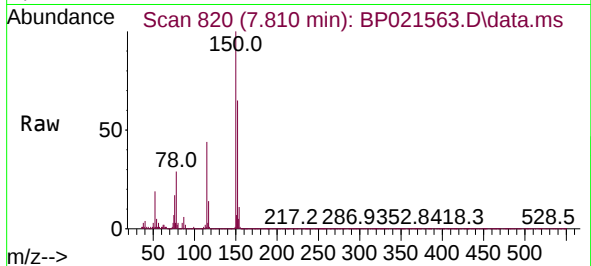
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration



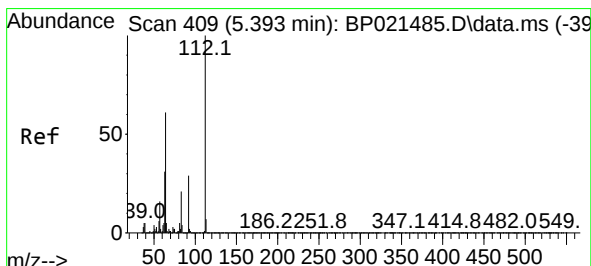
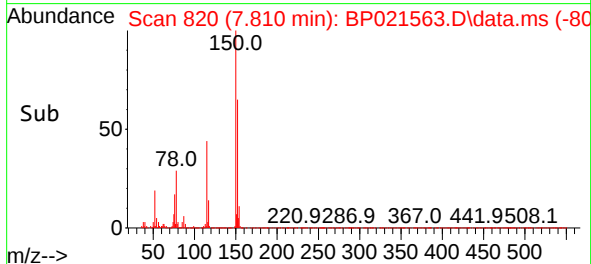
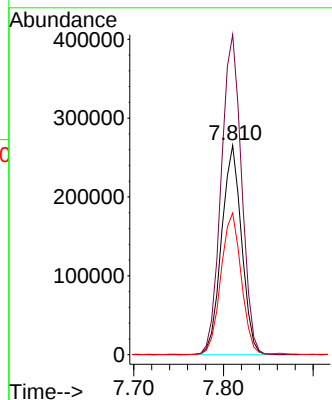


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

Instrument :
BNA_P
ClientSampleId :
OU4-TS-10-080724

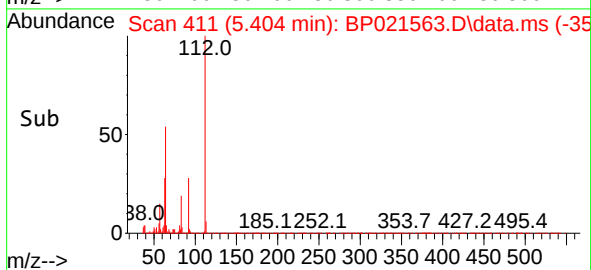
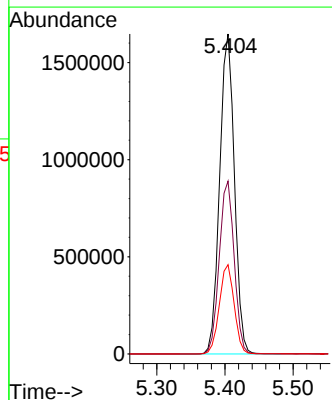
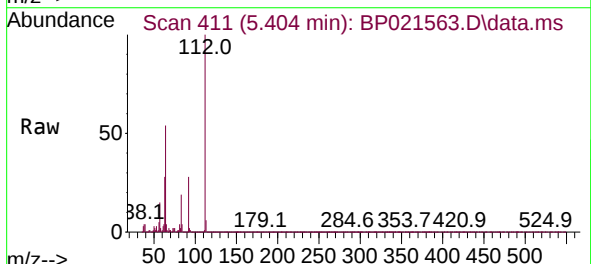


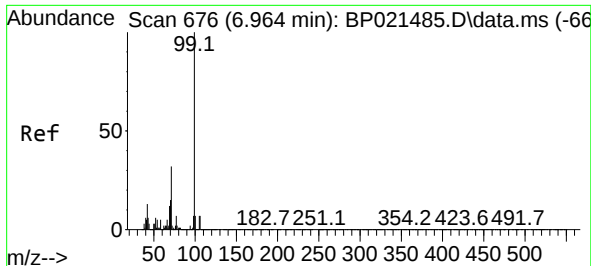
Tgt Ion:152 Resp: 410606
Ion Ratio Lower Upper
152 100
150 152.9 122.4 183.6
115 67.7 54.7 82.1



#5
2-Fluorophenol
Concen: 89.660 ng
RT: 5.404 min Scan# 411
Delta R.T. 0.011 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

Tgt Ion:112 Resp: 2479357
Ion Ratio Lower Upper
112 100
64 54.0 49.0 73.6
63 27.9 24.6 36.8

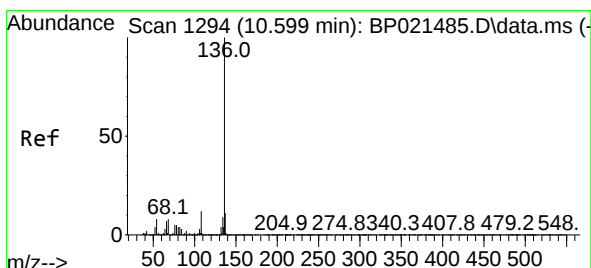
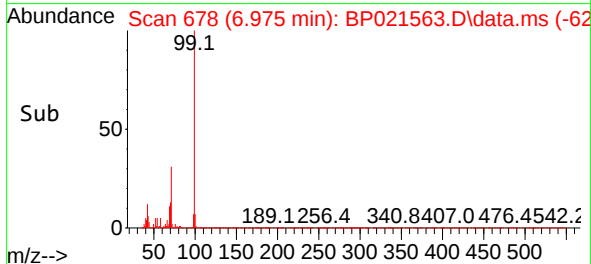
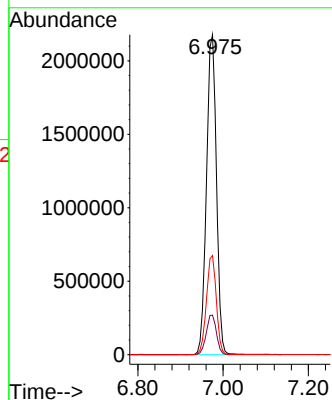
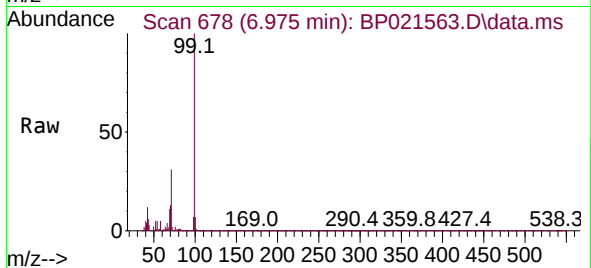




#7
Phenol-d6
Concen: 87.684 ng
RT: 6.975 min Scan# 61
Delta R.T. 0.011 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

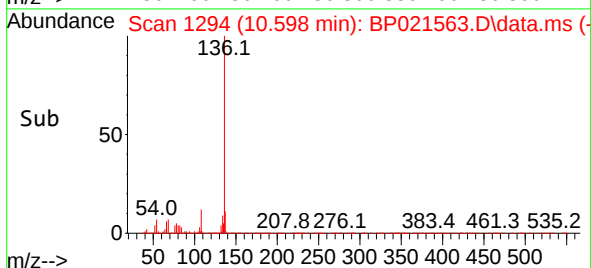
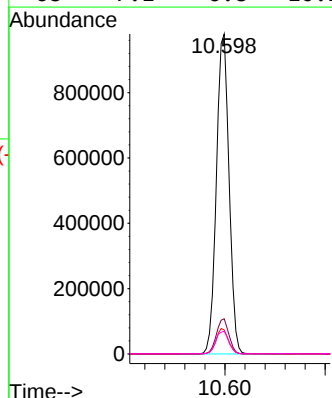
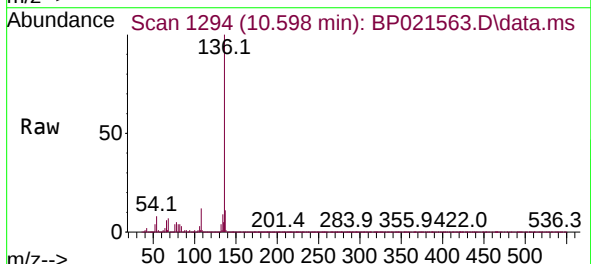
Instrument :
BNA_P
ClientSampleId :
OU4-TS-10-080724

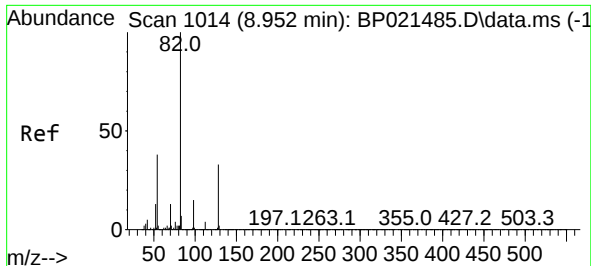
Tgt Ion: 99 Resp: 3537106
Ion Ratio Lower Upper
99 100
42 12.3 10.2 15.4
71 31.0 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1294
Delta R.T. -0.001 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

Tgt Ion: 136 Resp: 1711864
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.5 6.3 9.5
68 7.1 6.8 10.2

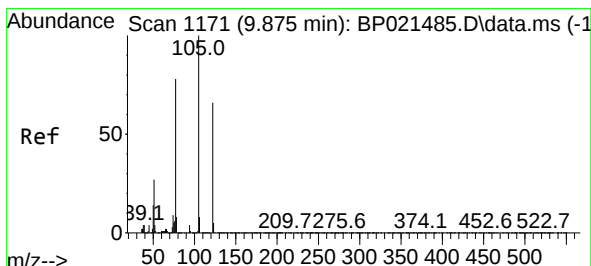
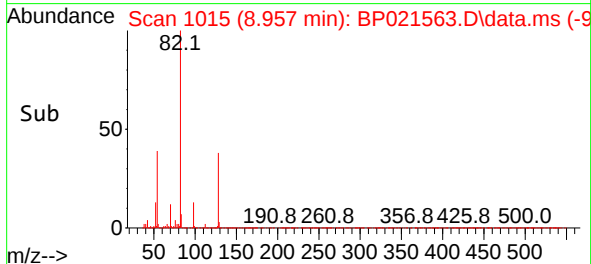
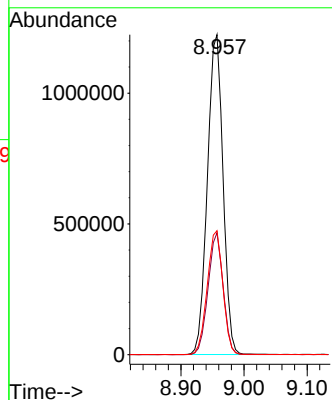
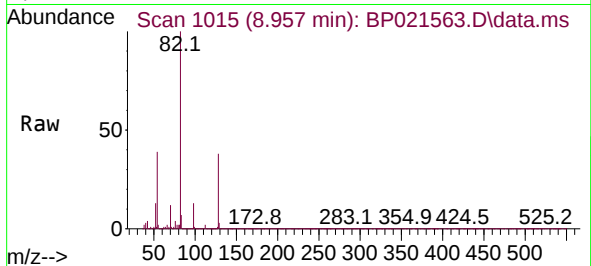




#23
Nitrobenzene-d5
Concen: 63.352 ng
RT: 8.957 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

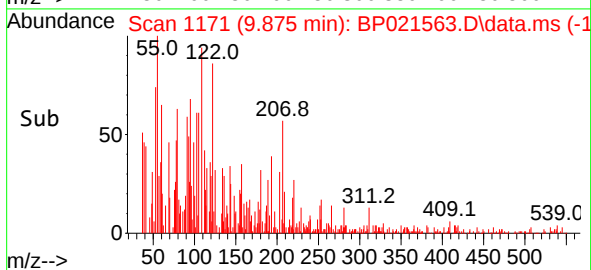
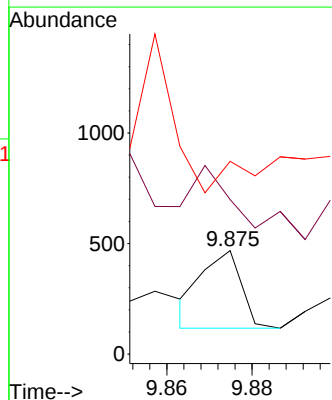
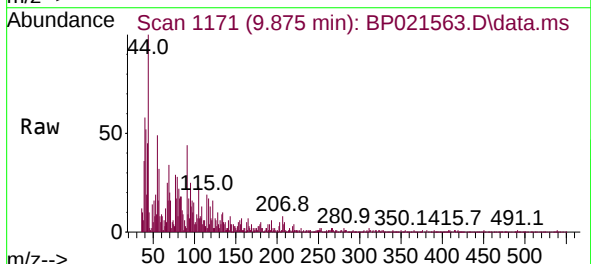
Instrument :
BNA_P
ClientSampleId :
OU4-TS-10-080724

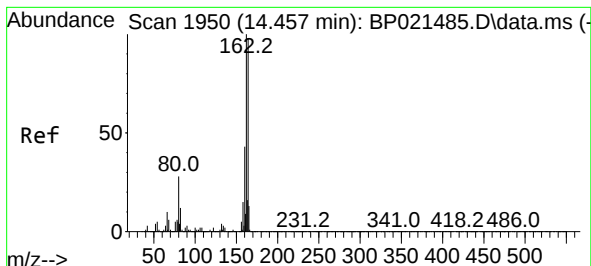
Tgt Ion: 82 Resp: 2101136
Ion Ratio Lower Upper
82 100
128 38.1 26.5 39.7
54 38.8 30.3 45.5



#32
Benzoic acid
Concen: 3.344 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

Tgt Ion:122 Resp: 225
Ion Ratio Lower Upper
122 100
105 149.4 124.6 164.6
77 186.3 96.2 136.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-10-080724

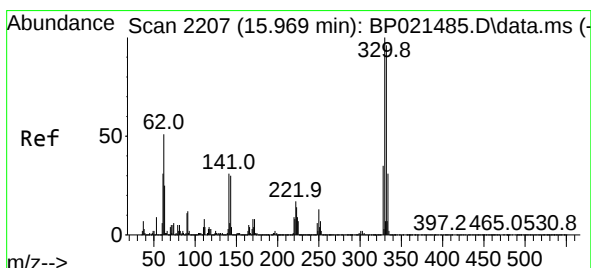
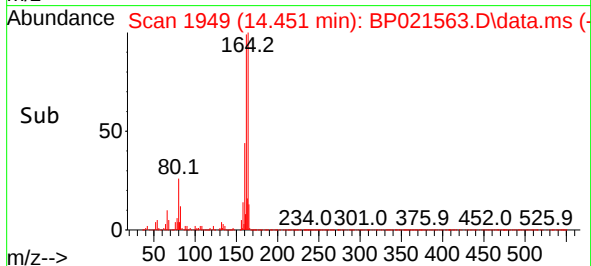
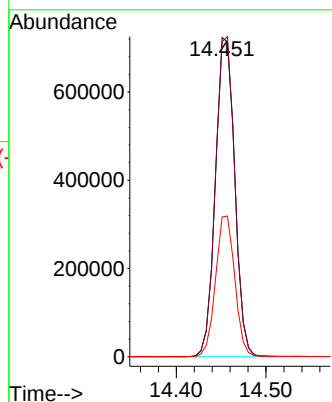
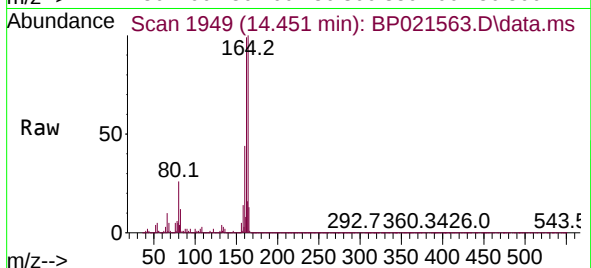
Tgt Ion:164 Resp: 1080200

Ion Ratio Lower Upper

164 100

162 98.7 81.5 122.3

160 43.8 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 99.087 ng

RT: 15.975 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

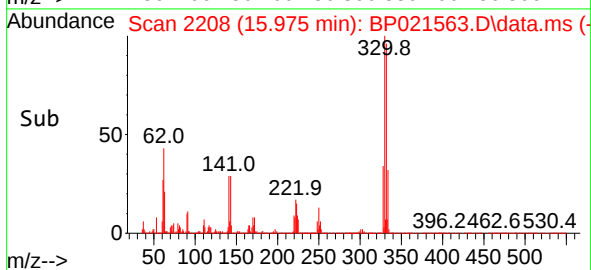
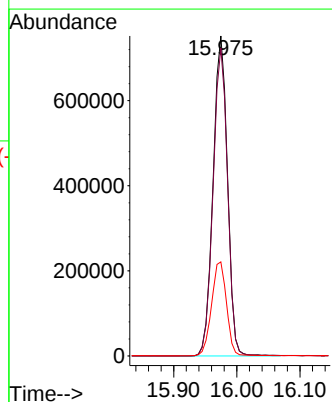
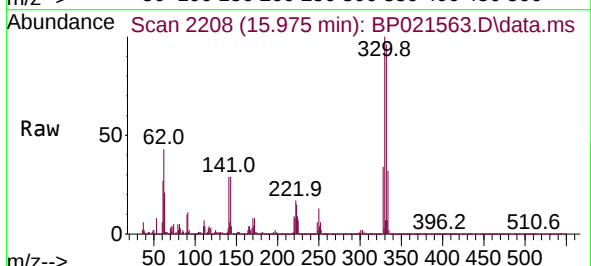
Tgt Ion:330 Resp: 1191238

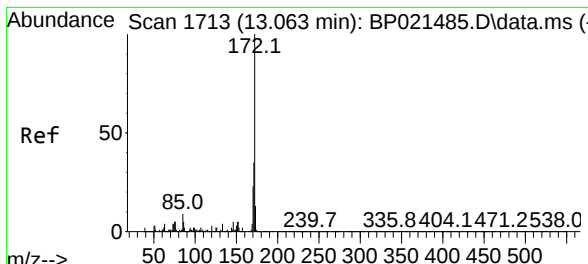
Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

141 30.4 24.5 36.7



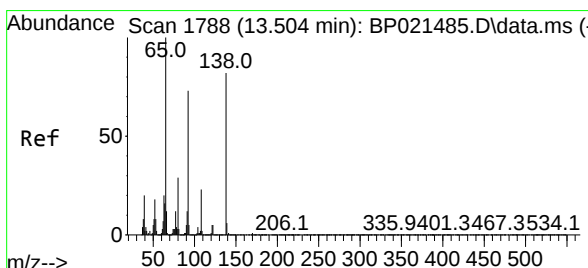
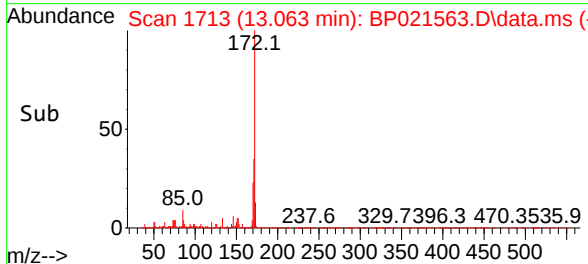
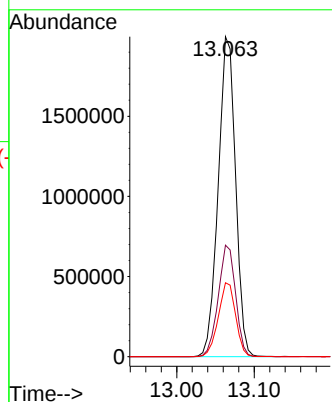
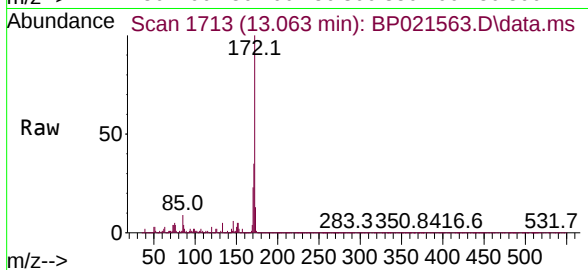


#45
2-Fluorobiphenyl
Concen: 43.870 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

Instrument :
BNA_P
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OU4-TS-10-080724

Tgt Ion:172 Resp: 3105058

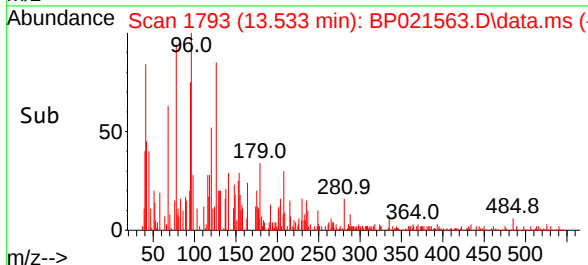
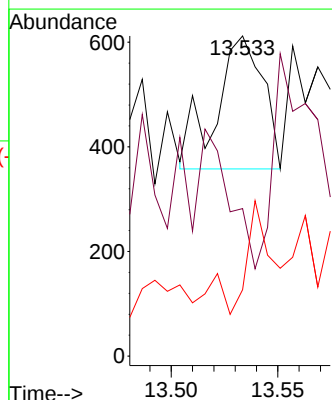
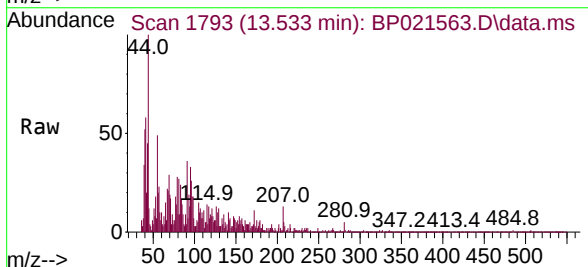
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	23.1	18.4	27.6

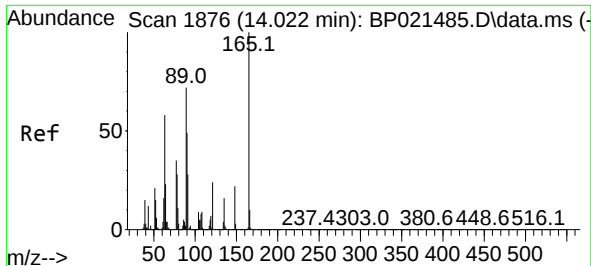


#48
2-Nitroaniline
Concen: 5.168 ng
RT: 13.533 min Scan# 1793
Delta R.T. 0.029 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

Tgt Ion: 65 Resp: 389

Ion	Ratio	Lower	Upper
65	100		
92	46.1	58.1	87.1#
138	20.8	65.5	98.3#





#51

2,6-Dinitrotoluene

Concen: 4.005 ng

RT: 14.004 min Scan# 1876

Delta R.T. -0.018 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-10-080724

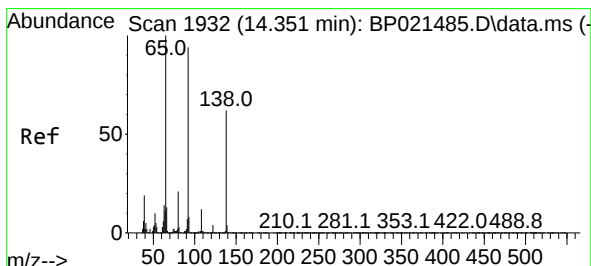
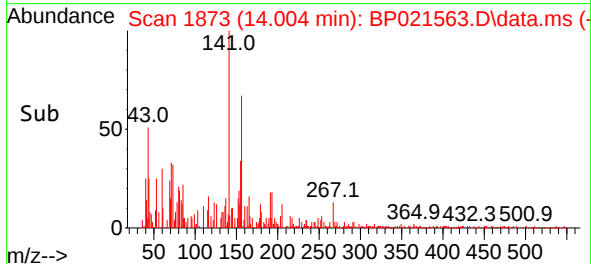
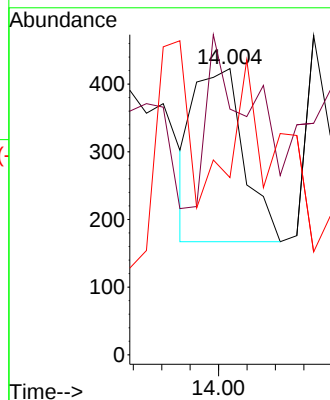
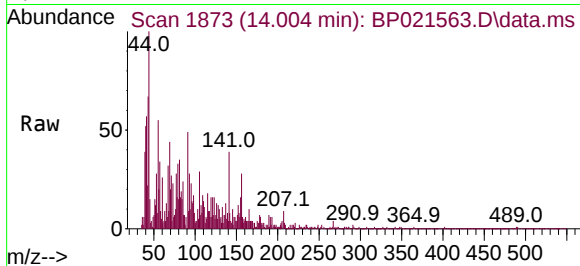
Tgt Ion:165 Resp: 313

Ion Ratio Lower Upper

165 100

63 85.8 51.5 77.3#

89 61.9 57.8 86.8



#53

3-Nitroaniline

Concen: 3.982 ng

RT: 14.351 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

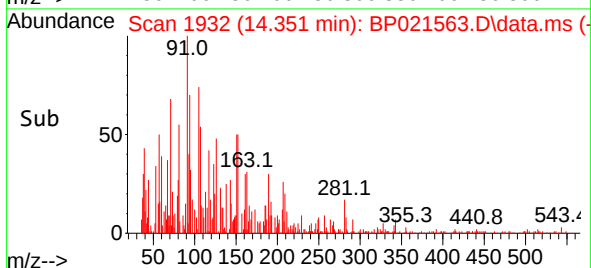
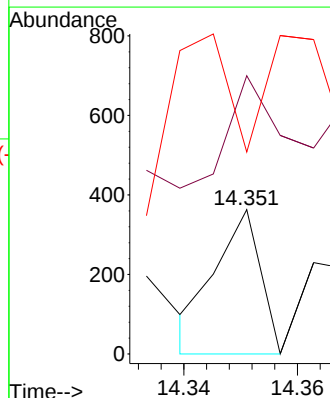
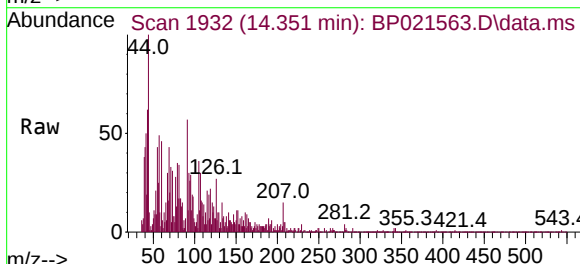
Tgt Ion:138 Resp: 199

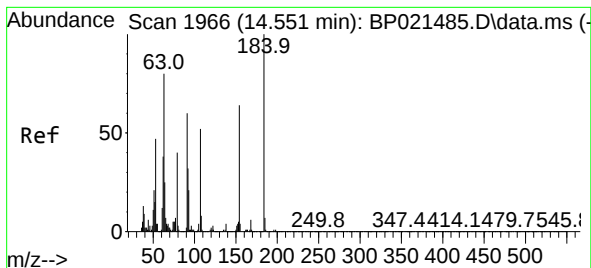
Ion Ratio Lower Upper

138 100

108 192.8 16.2 24.4#

92 139.9 122.2 183.4

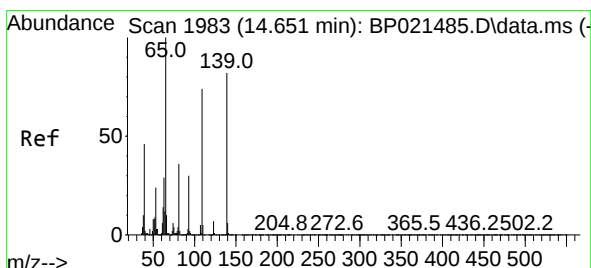
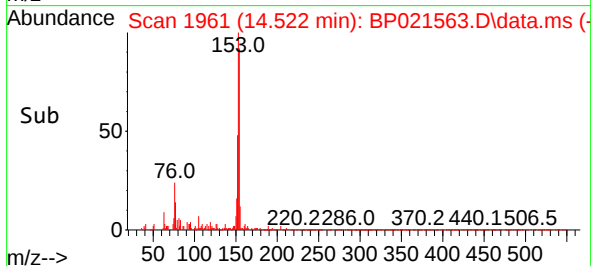
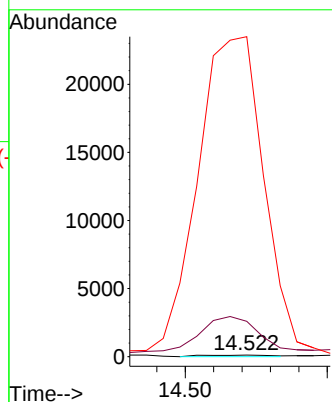
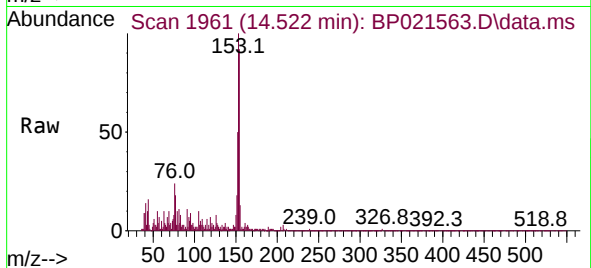




#54
2,4-Dinitrophenol
Concen: 2.501 ng
RT: 14.522 min Scan# 1966
Delta R.T. -0.029 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

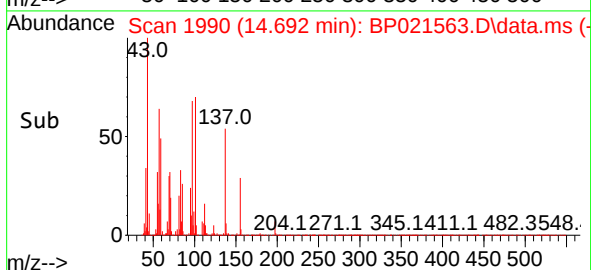
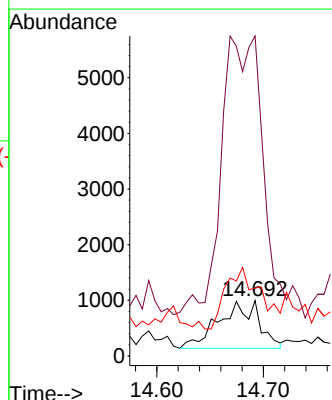
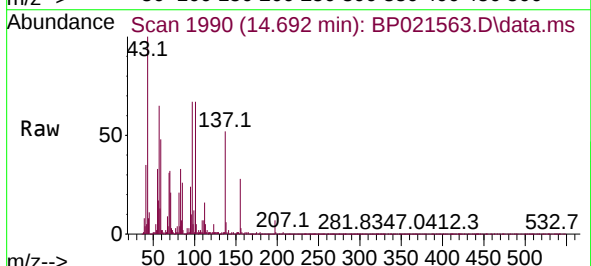
Instrument :
BNA_P
ClientSampleId :
OU4-TS-10-080724

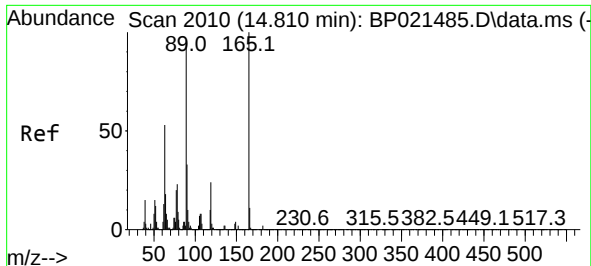
Tgt Ion:184 Resp: 188
Ion Ratio Lower Upper
184 100
63 2323.2 64.9 97.3#
154 20978.6 52.1 78.1#



#56
4-Nitrophenol
Concen: 5.252 ng
RT: 14.692 min Scan# 1990
Delta R.T. 0.041 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

Tgt Ion:139 Resp: 2221
Ion Ratio Lower Upper
139 100
109 578.7 70.2 110.2#
65 122.7 101.8 141.8

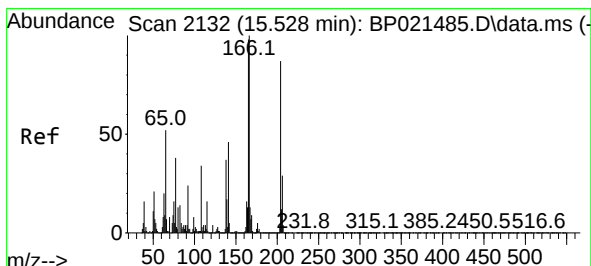
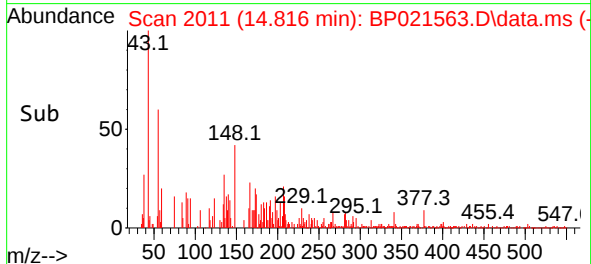
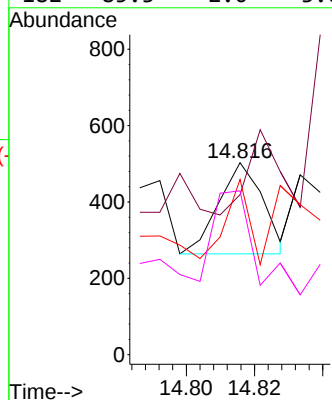
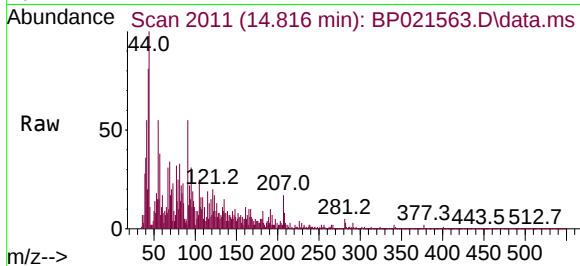




#57
2,4-Dinitrotoluene
Concen: 5.033 ng
RT: 14.816 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

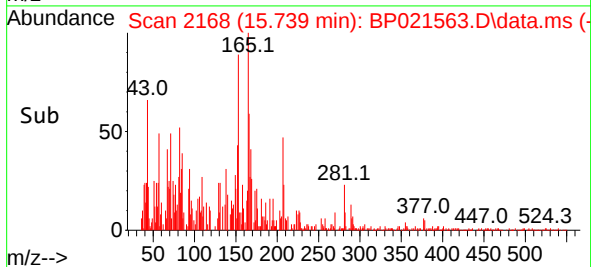
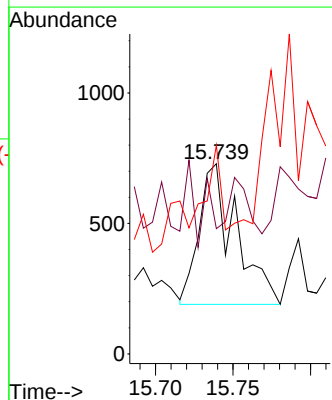
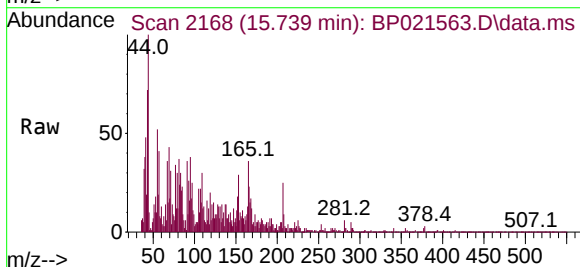
Instrument :
BNA_P
ClientSampleId :
OU4-TS-10-080724

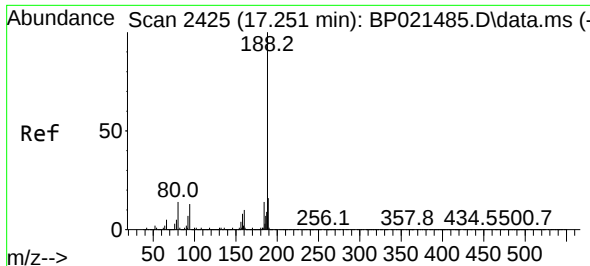
Tgt Ion:165 Resp: 216
Ion Ratio Lower Upper
165 100
63 83.3 42.5 63.7#
89 91.3 77.1 115.7
182 85.3 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.991 ng
RT: 15.739 min Scan# 2168
Delta R.T. 0.211 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

Tgt Ion:138 Resp: 884
Ion Ratio Lower Upper
138 100
92 65.8 46.4 86.4
108 109.7 73.2 113.2

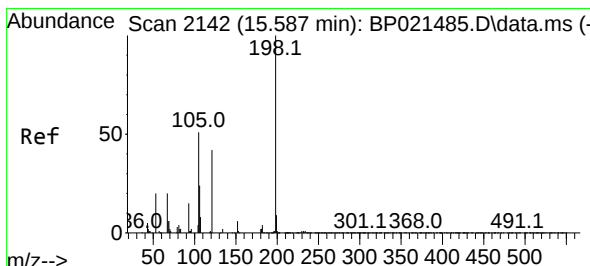
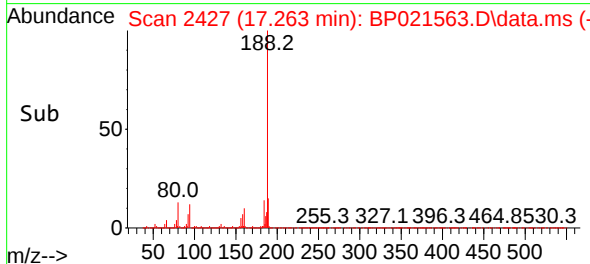
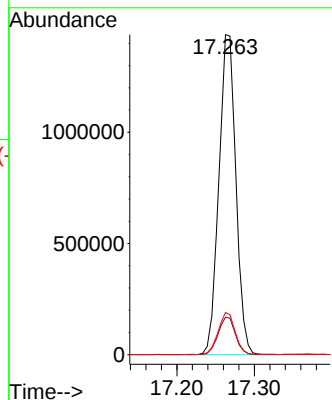
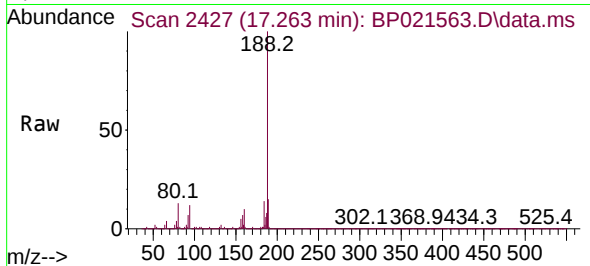




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2425
Delta R.T. 0.011 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

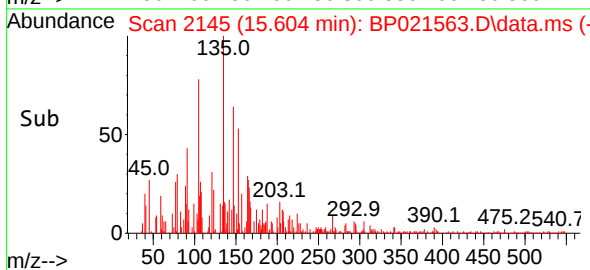
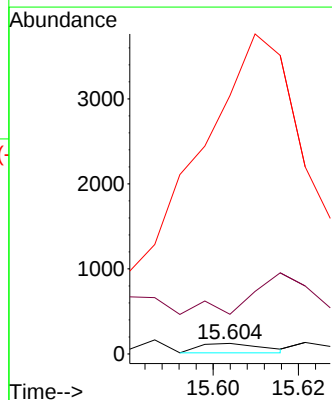
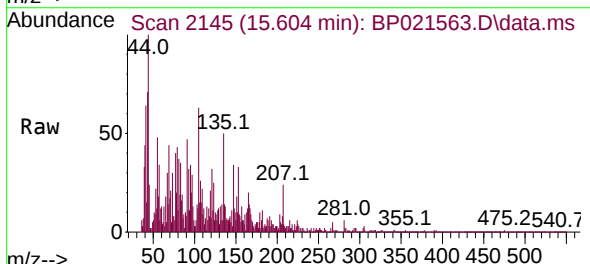
Instrument :
BNA_P
ClientSampleId :
OU4-TS-10-080724

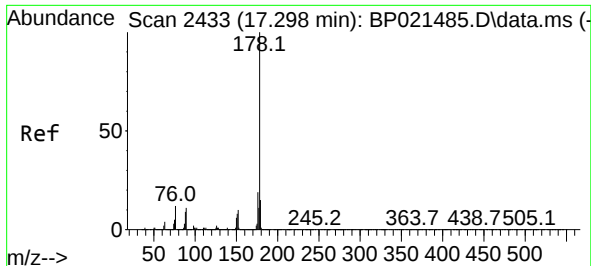
Tgt Ion:188 Resp: 2202973
Ion Ratio Lower Upper
188 100
94 11.7 10.2 15.4
80 13.2 11.6 17.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.629 ng
RT: 15.604 min Scan# 2145
Delta R.T. 0.017 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

Tgt Ion:198 Resp: 116
Ion Ratio Lower Upper
198 100
51 376.6 21.5 61.5#
105 2450.0 32.9 72.9#

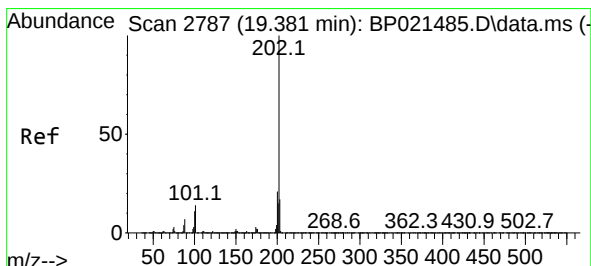
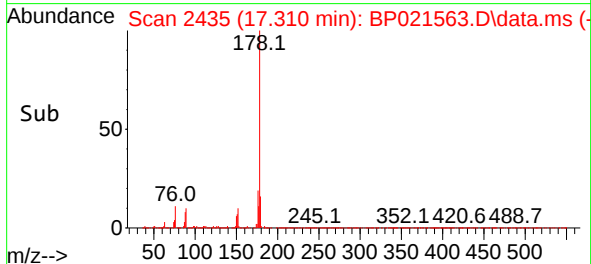
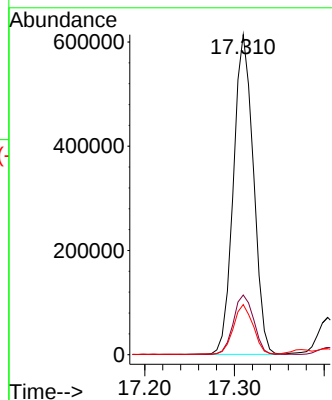
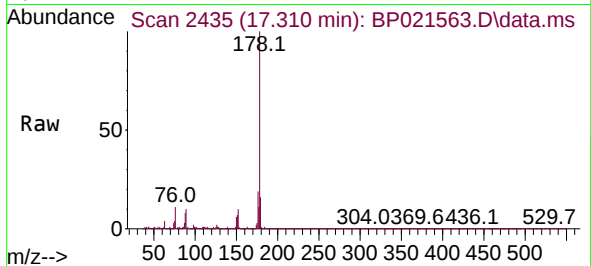




#71
Phenanthrene
Concen: 8.938 ng
RT: 17.310 min Scan# 2433
Delta R.T. 0.011 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

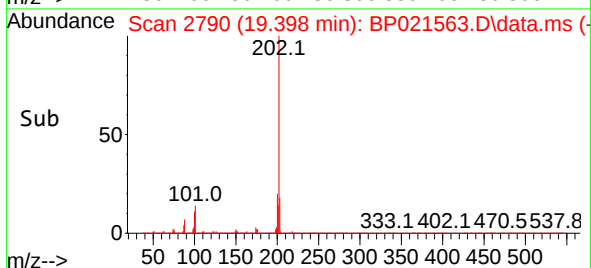
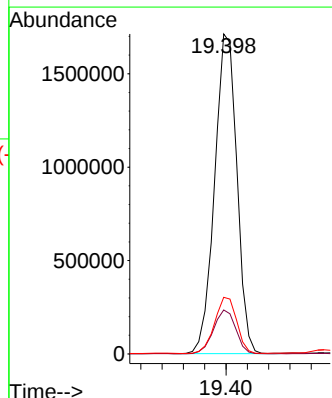
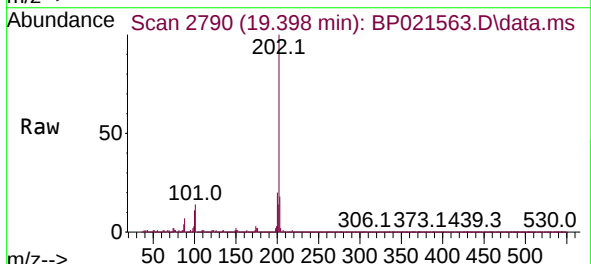
Instrument :
BNA_P
ClientSampleId :
OU4-TS-10-080724

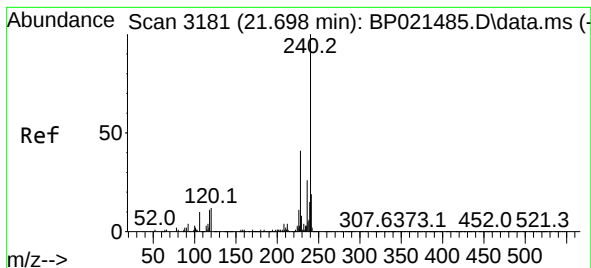
Tgt Ion:178 Resp: 946934
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.6 12.4 18.6



#75
Fluoranthene
Concen: 19.117 ng
RT: 19.398 min Scan# 2790
Delta R.T. 0.017 min
Lab File: BP021563.D
Acq: 19 Aug 2024 21:47

Tgt Ion:202 Resp: 2485075
Ion Ratio Lower Upper
202 100
101 13.8 0.0 34.0
203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.721 min Scan# 3181

Delta R.T. 0.023 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-10-080724

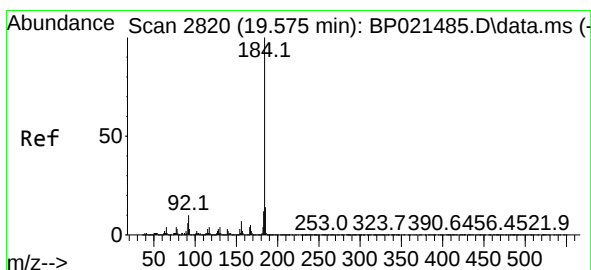
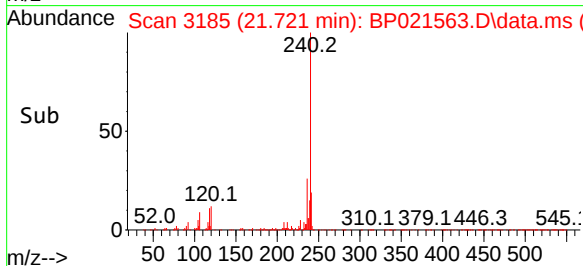
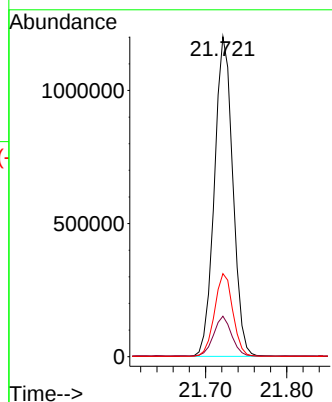
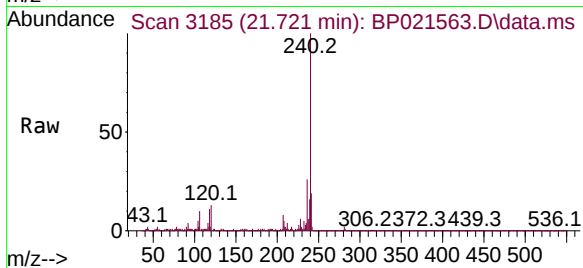
Tgt Ion:240 Resp: 1891065

Ion Ratio Lower Upper

240 100

120 12.7 9.9 14.9

236 26.0 20.6 30.8



#77

Benzidine

Concen: 4.581 ng

RT: 19.645 min Scan# 2832

Delta R.T. 0.070 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

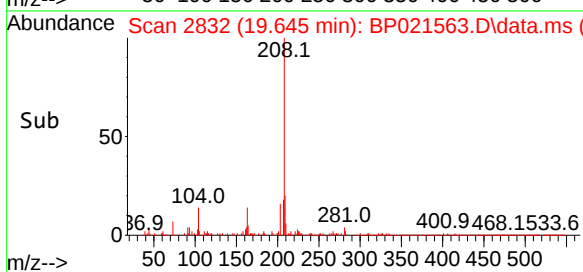
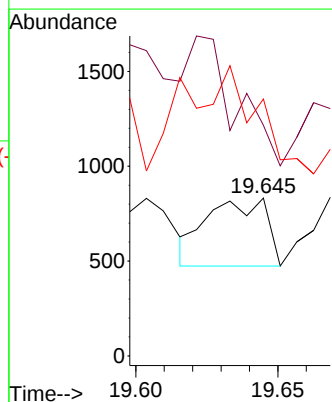
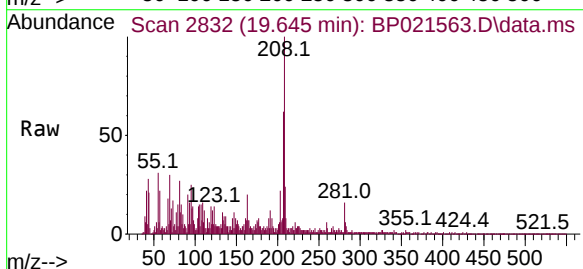
Tgt Ion:184 Resp: 512

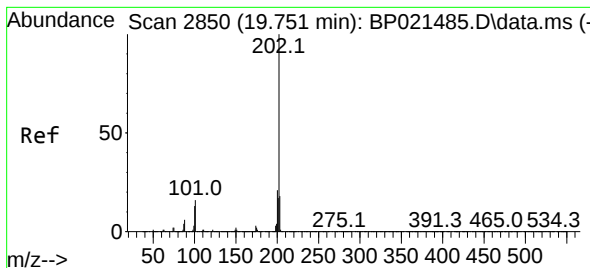
Ion Ratio Lower Upper

184 100

185 146.2 11.4 17.0#

183 162.9 9.3 13.9#





#78

Pyrene

Concen: 14.177 ng

RT: 19.768 min Scan# 2850

Delta R.T. 0.017 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-10-080724

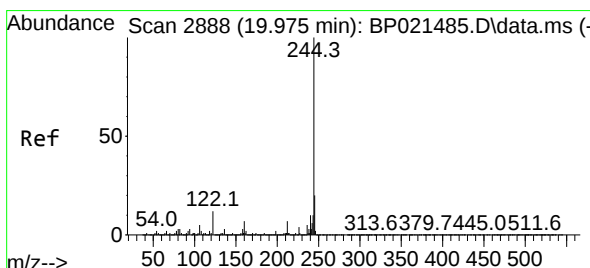
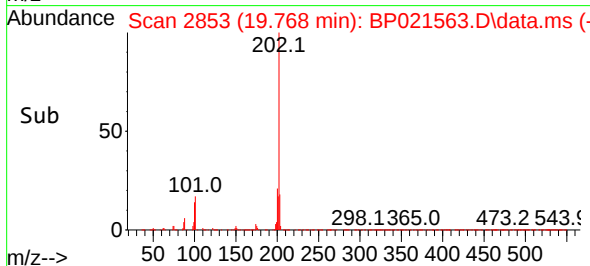
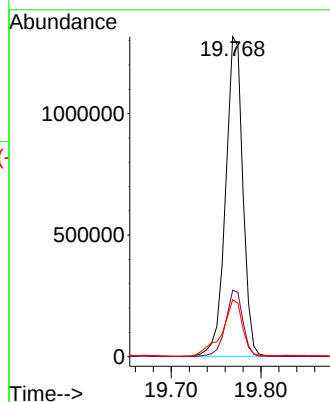
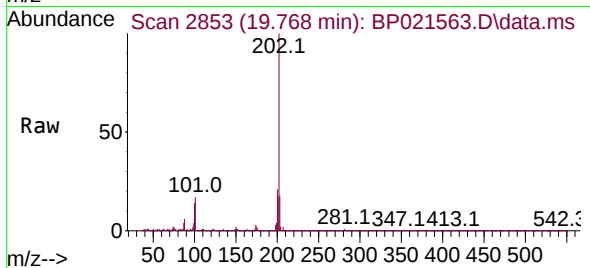
Tgt Ion:202 Resp: 1752387

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 17.8 14.1 21.1



#79

Terphenyl-d14

Concen: 47.123 ng

RT: 19.992 min Scan# 2891

Delta R.T. 0.017 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

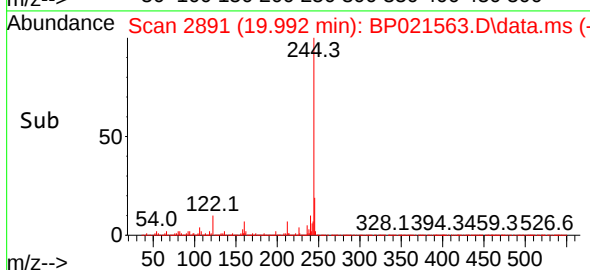
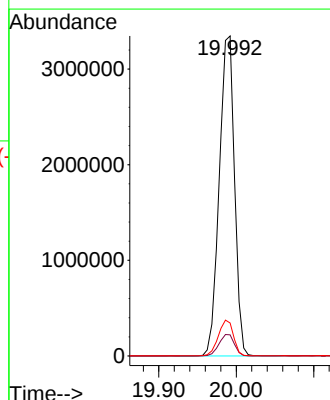
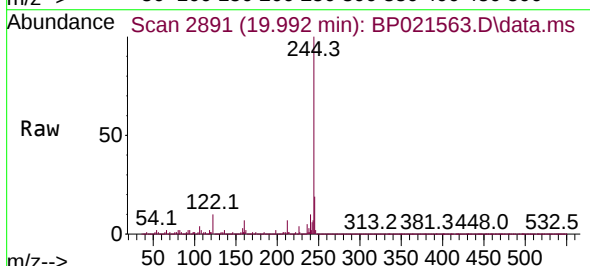
Tgt Ion:244 Resp: 4586986

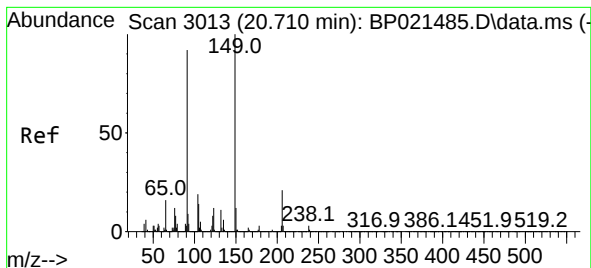
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.3 9.4 14.2





#80

Butylbenzylphthalate

Concen: 3.700 ng

RT: 20.727 min Scan# 3013

Delta R.T. 0.017 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-10-080724

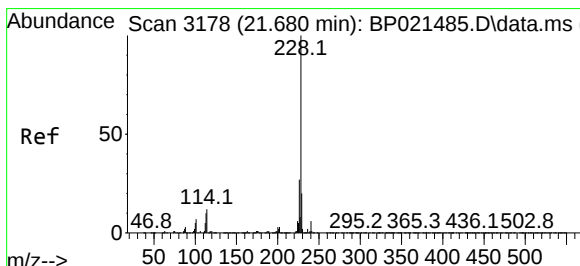
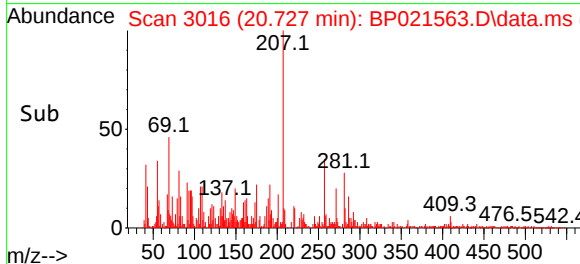
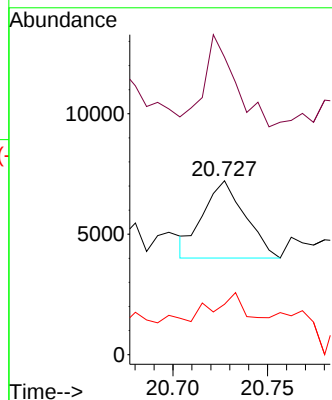
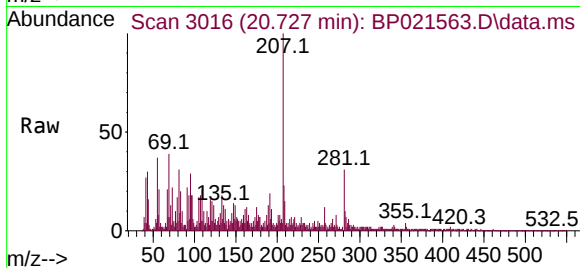
Tgt Ion:149 Resp: 4940

Ion Ratio Lower Upper

149 100

91 171.0 73.3 109.9#

206 29.0 17.1 25.7#



#81

Benzo(a)anthracene

Concen: 3.474 ng

RT: 21.704 min Scan# 3182

Delta R.T. 0.023 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

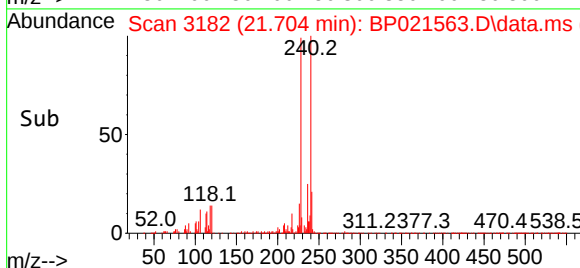
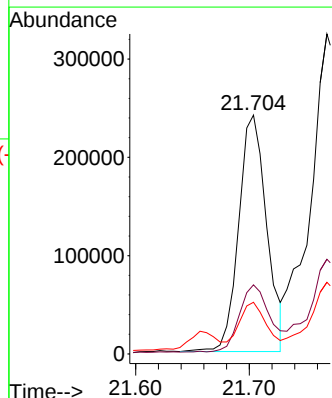
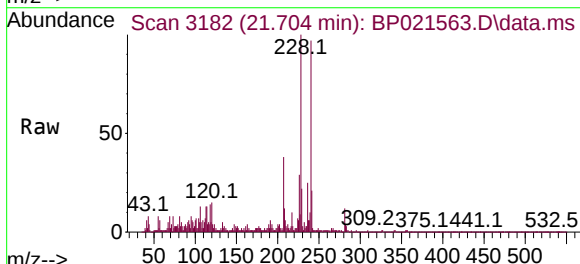
Tgt Ion:228 Resp: 412396

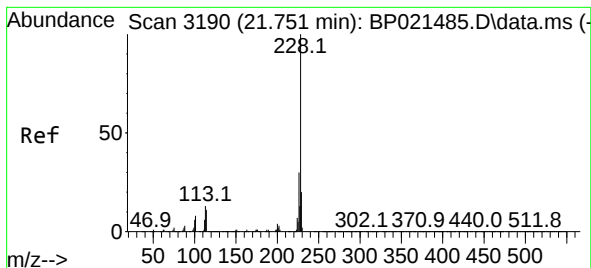
Ion Ratio Lower Upper

228 100

226 28.9 21.4 32.2

229 21.6 15.8 23.6





#83

Chrysene

Concen: 5.740 ng

RT: 21.768 min Scan# 31

Delta R.T. 0.017 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-10-080724

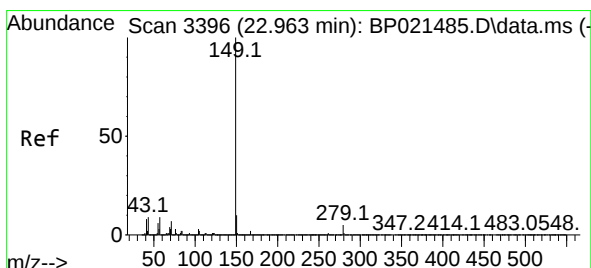
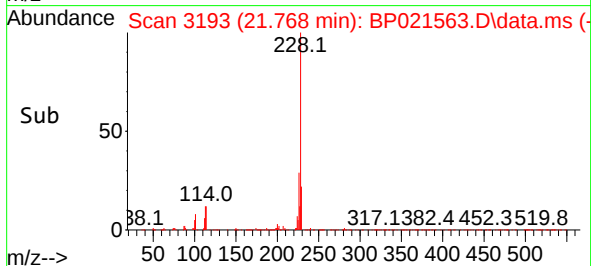
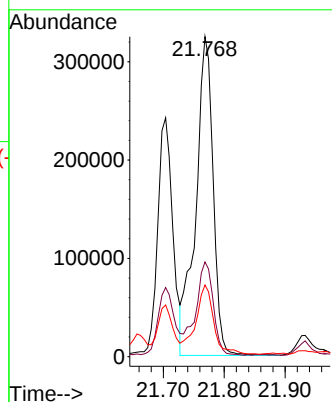
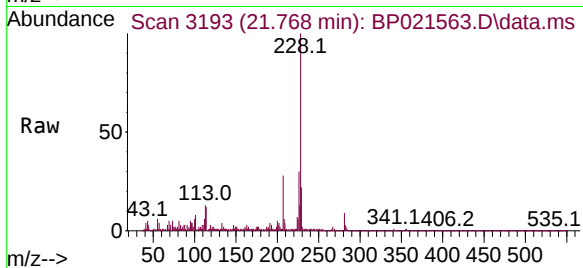
Tgt Ion:228 Resp: 643337

Ion Ratio Lower Upper

228 100

226 29.6 23.9 35.9

229 22.4 15.8 23.6



#85

Di-n-octyl phthalate

Concen: 4.843 ng

RT: 22.986 min Scan# 3400

Delta R.T. 0.023 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

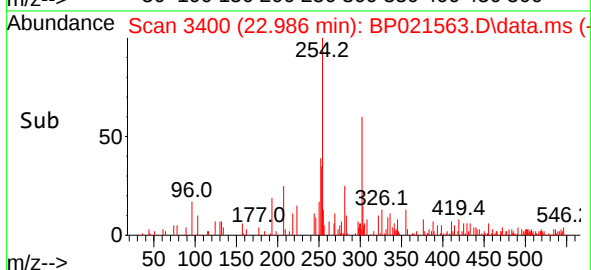
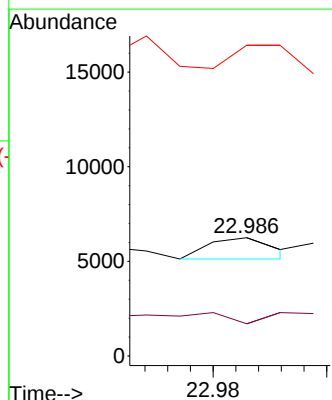
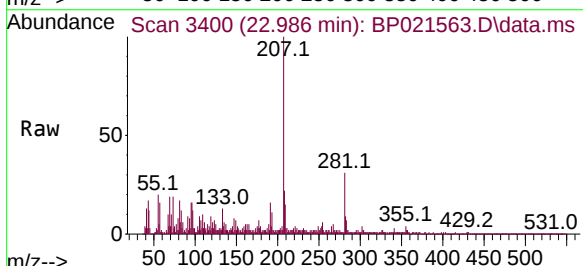
Tgt Ion:149 Resp: 898

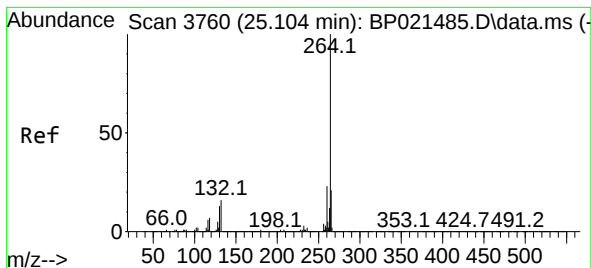
Ion Ratio Lower Upper

149 100

167 55.7 1.3 1.9#

43 118.6 7.3 10.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.162 min Scan# 31

Delta R.T. 0.058 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-10-080724

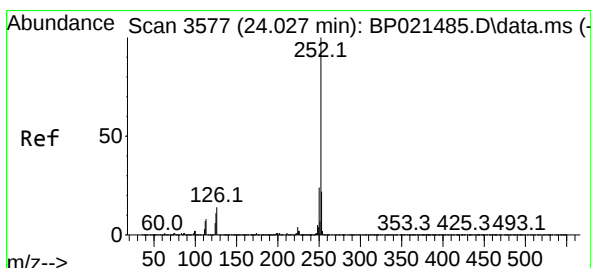
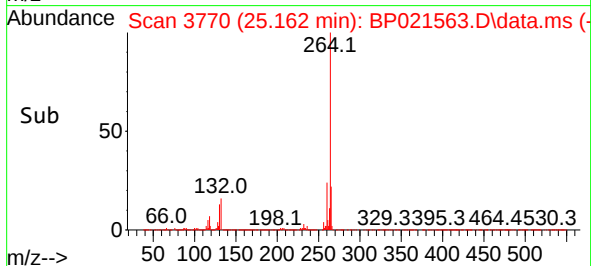
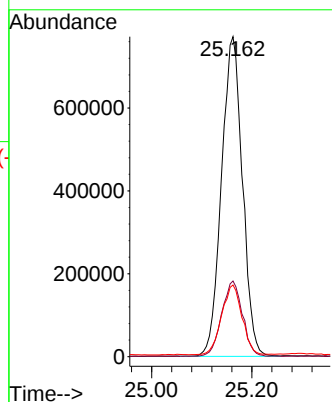
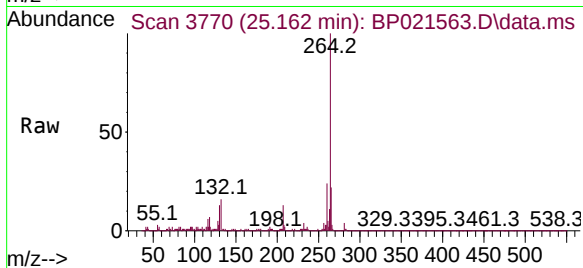
Tgt Ion:264 Resp: 2235797

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 22.4 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 5.313 ng

RT: 24.068 min Scan# 3584

Delta R.T. 0.041 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

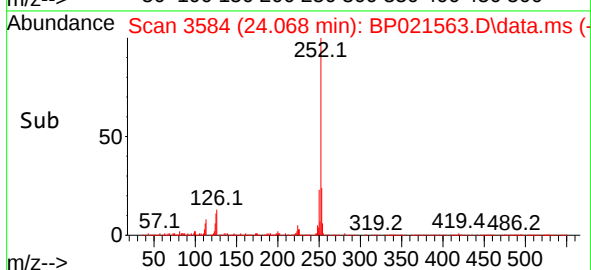
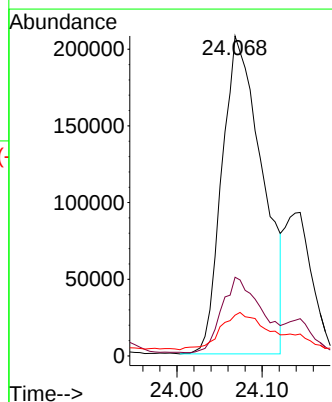
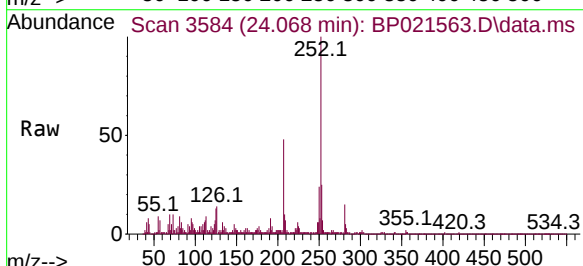
Tgt Ion:252 Resp: 682191

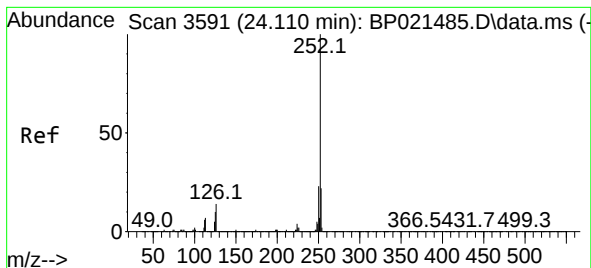
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 12.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 5.446 ng

RT: 24.068 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-10-080724

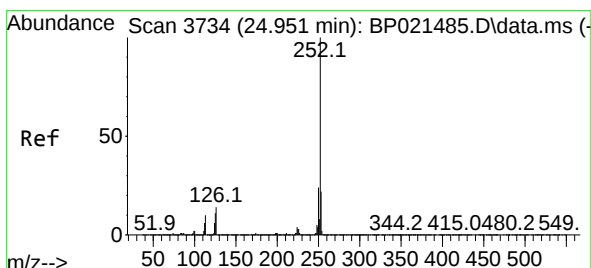
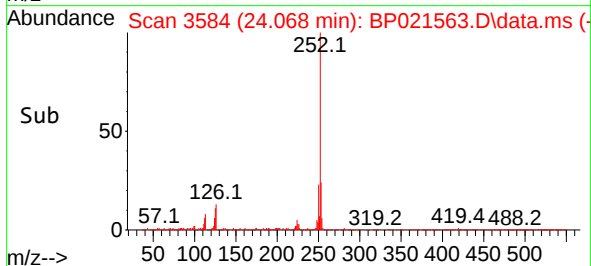
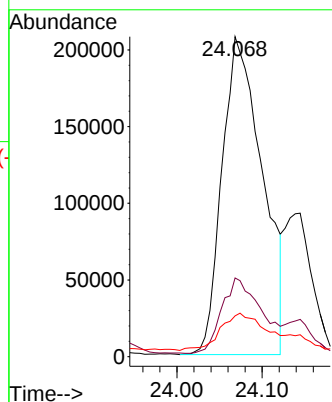
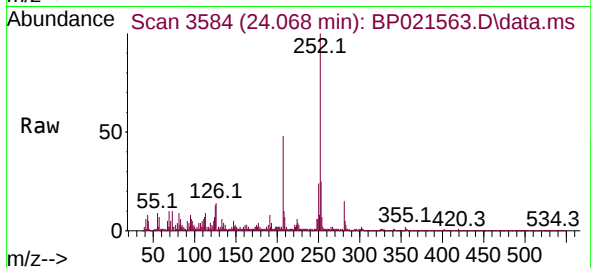
Tgt Ion:252 Resp: 682191

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 12.8 7.8 11.8#



#90

Benzo(a)pyrene

Concen: 2.933 ng

RT: 24.998 min Scan# 3742

Delta R.T. 0.047 min

Lab File: BP021563.D

Acq: 19 Aug 2024 21:47

Tgt Ion:252 Resp: 326840

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 16.1 8.7 13.1#

