

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
 Data File : BP021562.D
 Acq On : 19 Aug 2024 21:03
 Operator : RC/JU
 Sample : P3518-29
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-15-080724

Quant Time: Aug 20 00:09:25 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)

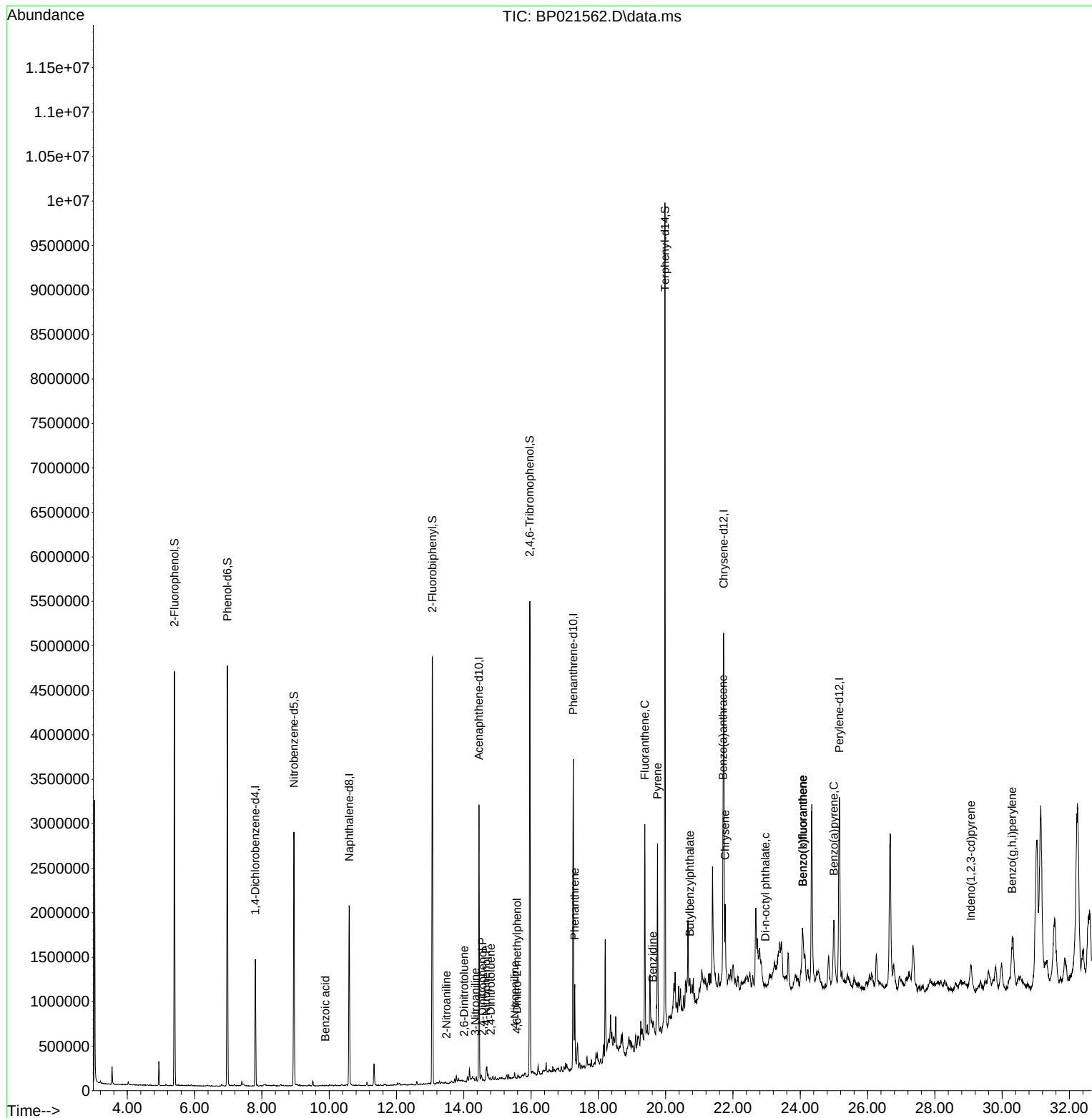
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	389378	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1621279	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	1064838	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2274834	20.000	ng	0.00
76) Chrysene-d12	21.721	240	2002605	20.000	ng	0.02
86) Perylene-d12	25.162	264	2354433	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	2170247	82.761	ng	0.01
7) Phenol-d6	6.975	99	3094561	80.896	ng	0.01
23) Nitrobenzene-d5	8.951	82	1865817	59.400	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1120733	94.567	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	2734746	39.195	ng	0.00
79) Terphenyl-d14	19.980	244	4149321	40.253	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.687	139	71	Below Cal	#	1
32) Benzoic acid	9.887	122	169	3.339	ng	# 2
48) 2-Nitroaniline	13.487	65	366	5.167	ng	# 50
51) 2,6-Dinitrotoluene	14.010	165	325	4.006	ng	# 79
53) 3-Nitroaniline	14.345	138	290	3.988	ng	# 60
54) 2,4-Dinitrophenol	14.557	184	130	2.480	ng	# 1
56) 4-Nitrophenol	14.663	139	800	5.142	ng	# 1
57) 2,4-Dinitrotoluene	14.804	165	225	5.033	ng	# 69
62) 4-Nitroaniline	15.516	138	626	2.975	ng	# 94
65) 4,6-Dinitro-2-methylph...	15.581	198	120	4.629	ng	# 1
71) Phenanthrene	17.298	178	542887	4.962	ng	# 99
75) Fluoranthene	19.380	202	1395222	10.394	ng	# 99
77) Benzidine	19.616	184	614	4.583	ng	# 1
78) Pyrene	19.757	202	1245113	9.512	ng	# 99
80) Butylbenzylphthalate	20.716	149	17145	3.922	ng	# 58
81) Benzo(a)anthracene	21.704	228	629464	5.007	ng	# 94
83) Chrysene	21.768	228	579003	4.878	ng	# 97
85) Di-n-octyl phthalate	22.968	149	1029	4.843	ng	# 59
87) Indeno(1,2,3-cd)pyrene	29.074	276	438307	2.872	ng	# 89
88) Benzo(b)fluoranthene	24.074	252	845420	6.252	ng	# 96
89) Benzo(k)fluoranthene	24.074	252	845420	6.409	ng	# 95
90) Benzo(a)pyrene	24.998	252	609890	5.197	ng	# 94
92) Benzo(g,h,i)perylene	30.297	276	412369	3.244	ng	# 98

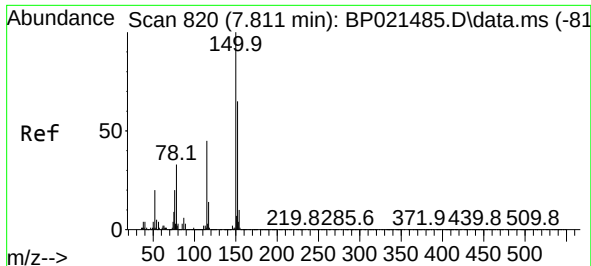
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
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OU4-TS-15-080724

Quant Time: Aug 20 00:09:25 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

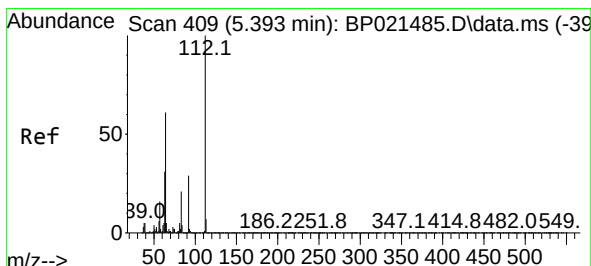
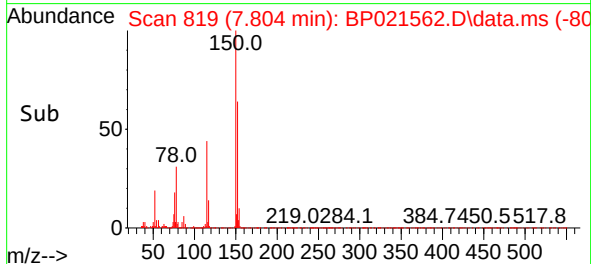
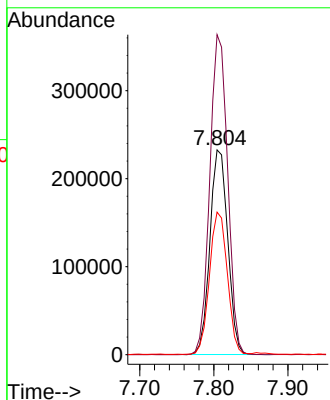
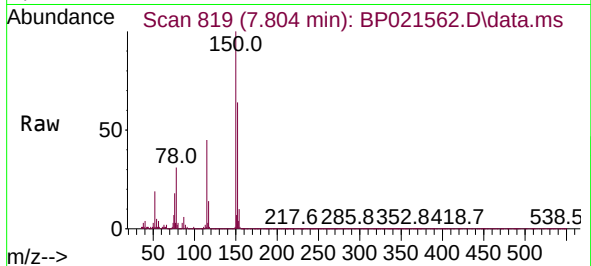




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

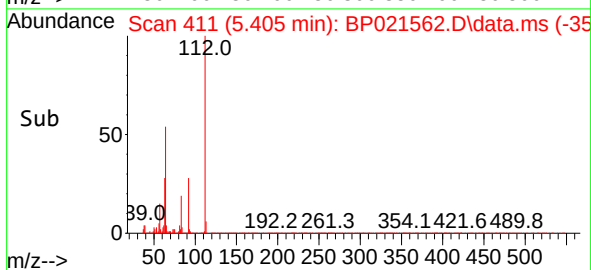
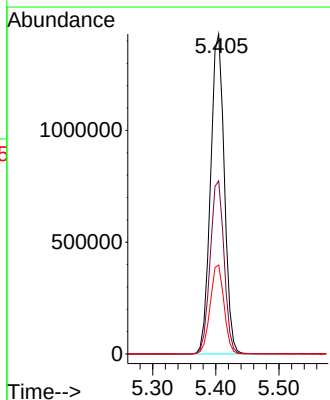
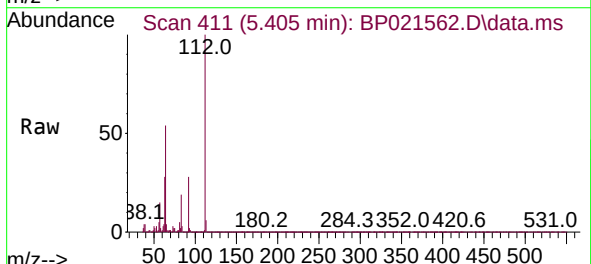
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724

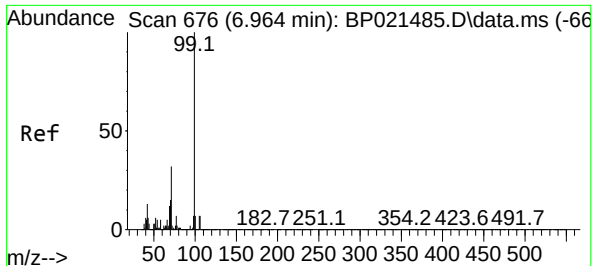
Tgt Ion:152 Resp: 389378
Ion Ratio Lower Upper
152 100
150 156.3 122.4 183.6
115 69.6 54.7 82.1



#5
2-Fluorophenol
Concen: 82.761 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.012 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:112 Resp: 2170247
Ion Ratio Lower Upper
112 100
64 54.1 49.0 73.6
63 27.8 24.6 36.8

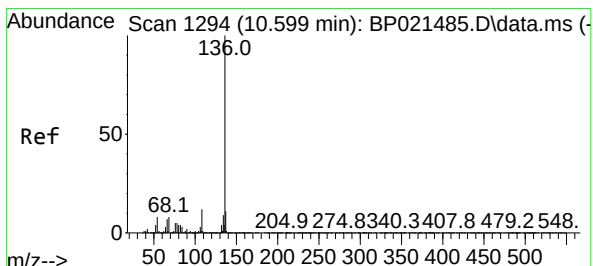
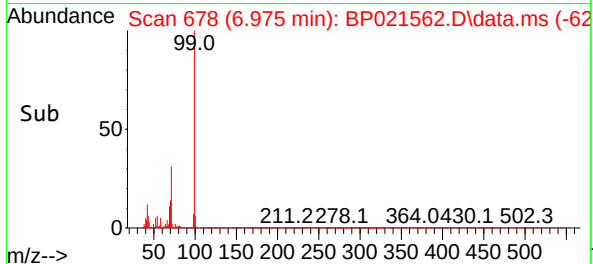
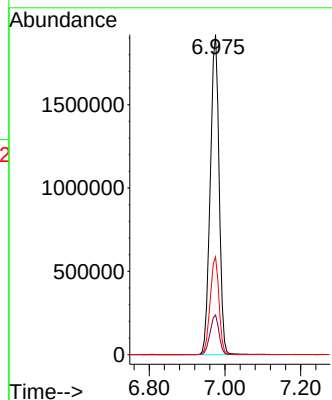
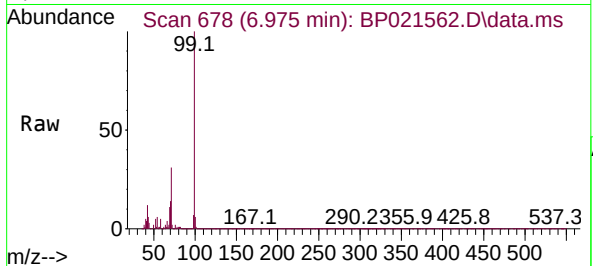




#7
Phenol-d6
Concen: 80.896 ng
RT: 6.975 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

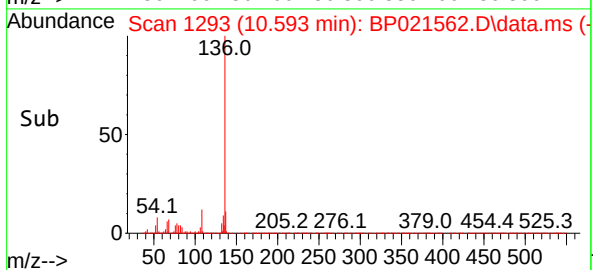
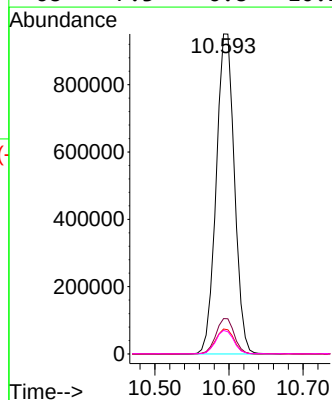
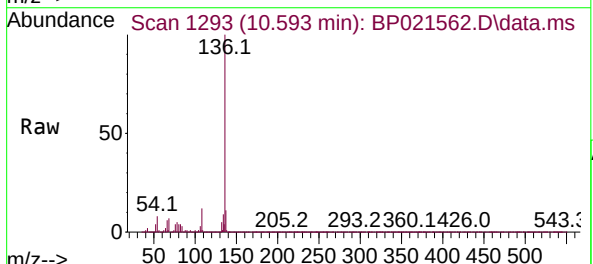
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724

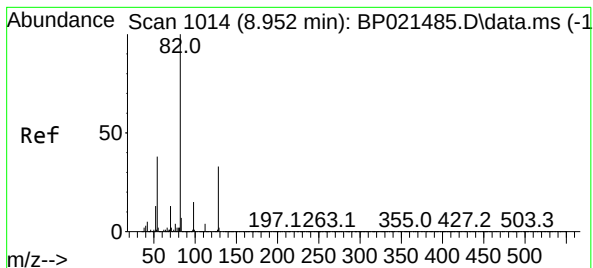
Tgt Ion: 99 Resp: 3094561
Ion Ratio Lower Upper
99 100
42 12.4 10.2 15.4
71 30.5 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion: 136 Resp: 1621279
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.8 6.3 9.5
68 7.3 6.8 10.2

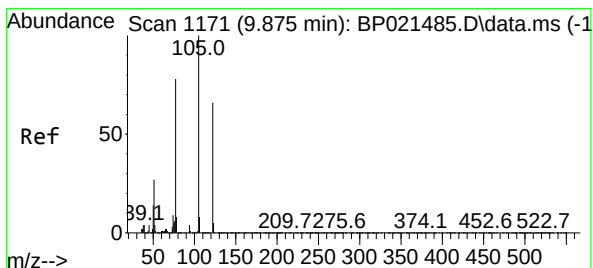
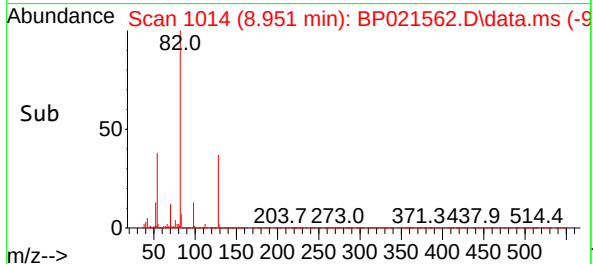
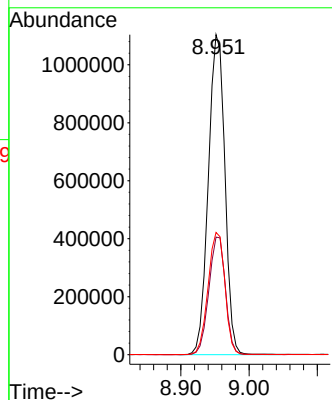
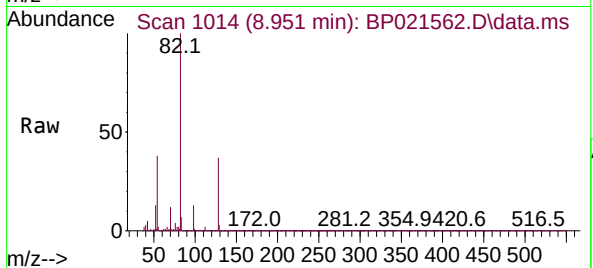




#23
Nitrobenzene-d5
Concen: 59.400 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

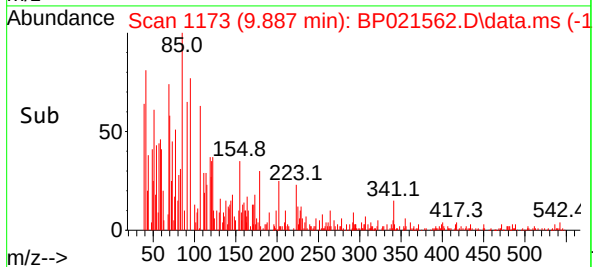
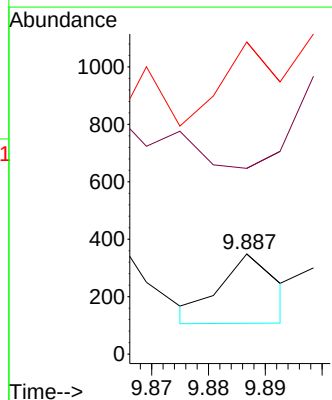
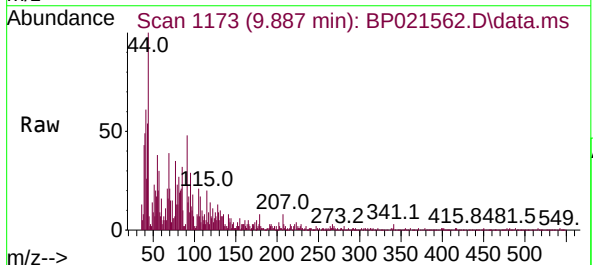
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724

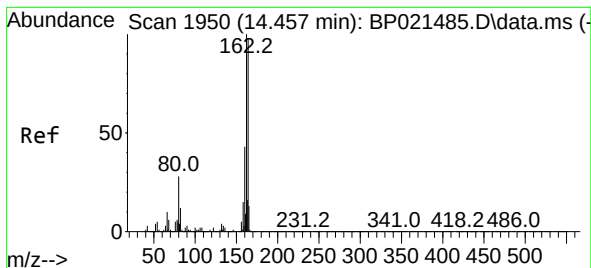
Tgt Ion: 82 Resp: 1865817
Ion Ratio Lower Upper
82 100
128 36.8 26.5 39.7
54 38.2 30.3 45.5



#32
Benzoic acid
Concen: 3.339 ng
RT: 9.887 min Scan# 1173
Delta R.T. 0.012 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:122 Resp: 169
Ion Ratio Lower Upper
122 100
105 185.4 124.6 164.6#
77 311.5 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: BP021562.D

Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724

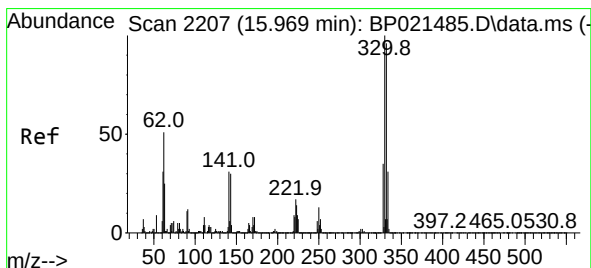
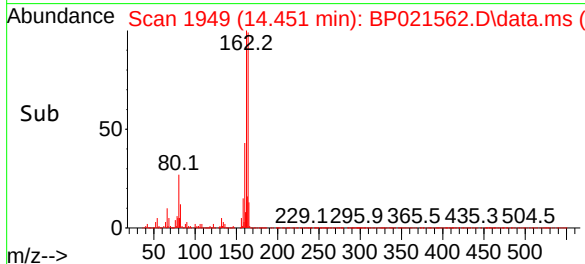
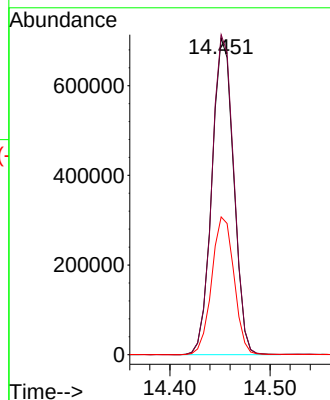
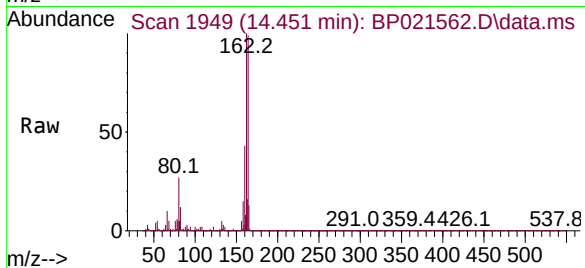
Tgt Ion:164 Resp: 1064838

Ion Ratio Lower Upper

164 100

162 101.0 81.5 122.3

160 43.5 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 94.567 ng

RT: 15.963 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

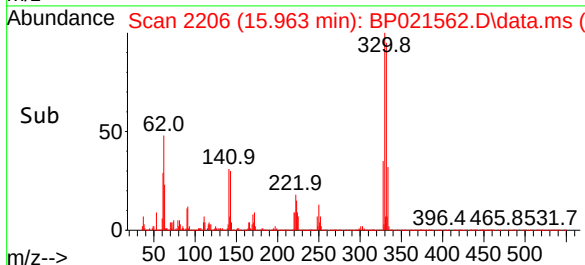
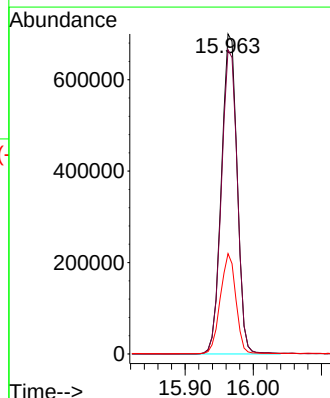
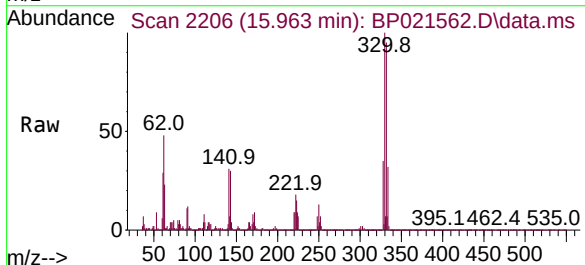
Tgt Ion:330 Resp: 1120733

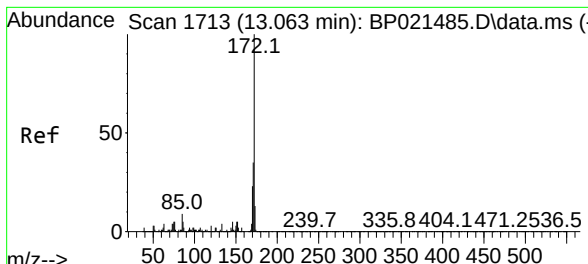
Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

141 30.9 24.5 36.7

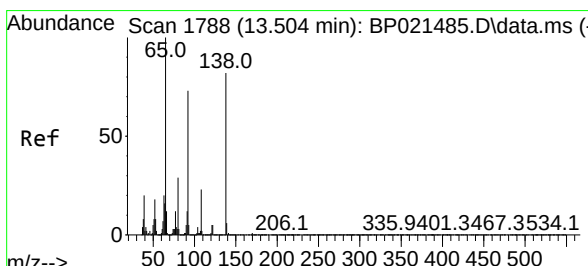
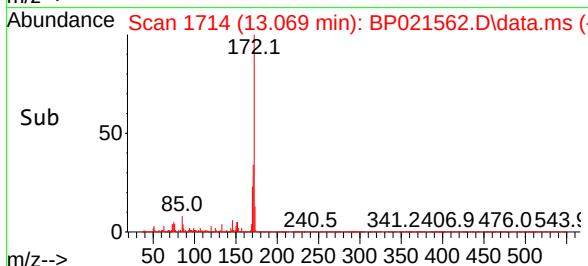
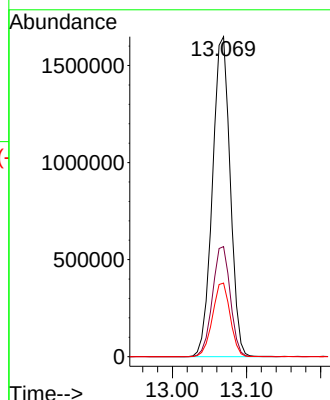
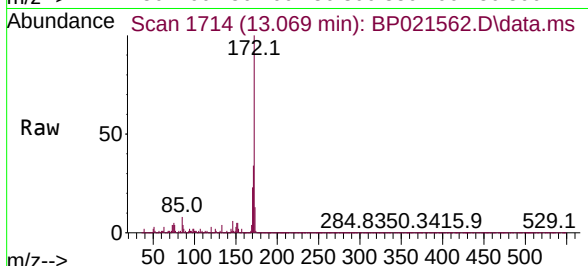




#45
2-Fluorobiphenyl
Concen: 39.195 ng
RT: 13.069 min Scan# 1713
Delta R.T. 0.006 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

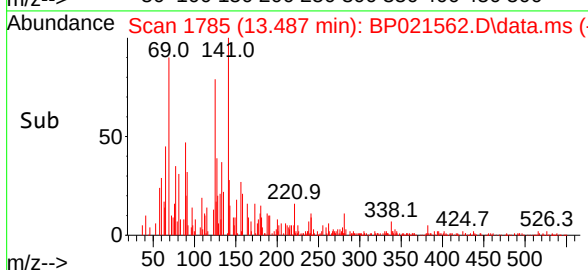
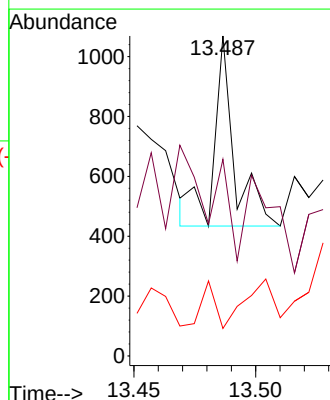
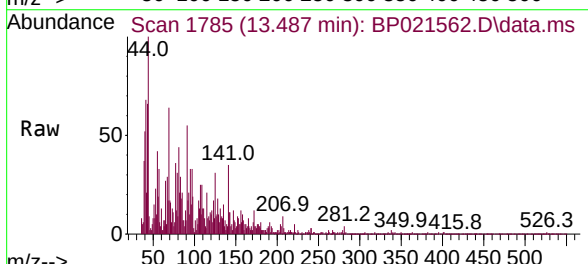
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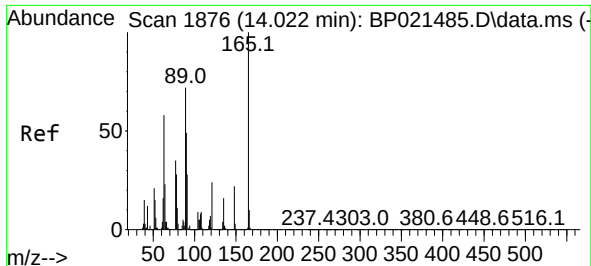
Tgt Ion:172 Resp: 2734746
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.4
170 23.0 18.4 27.6



#48
2-Nitroaniline
Concen: 5.167 ng
RT: 13.487 min Scan# 1785
Delta R.T. -0.017 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion: 65 Resp: 366
Ion Ratio Lower Upper
65 100
92 61.5 58.1 87.1
138 8.6 65.5 98.3#

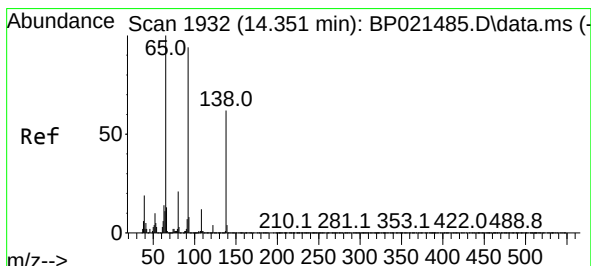
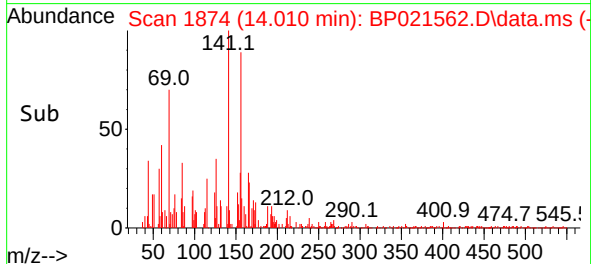
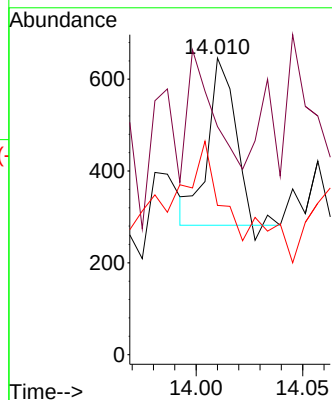
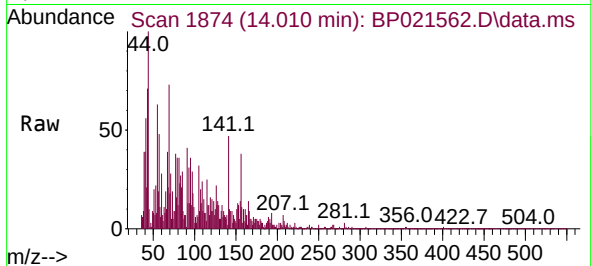




#51
2,6-Dinitrotoluene
Concen: 4.006 ng
RT: 14.010 min Scan# 1876
Delta R.T. -0.012 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

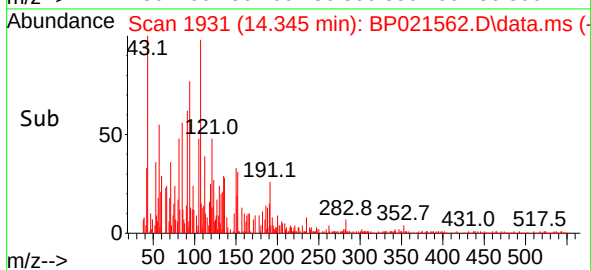
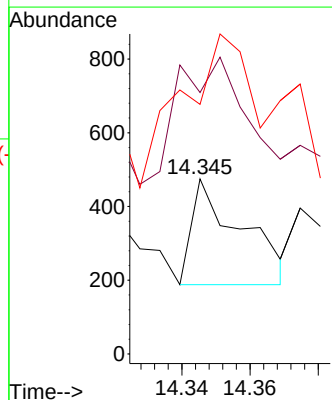
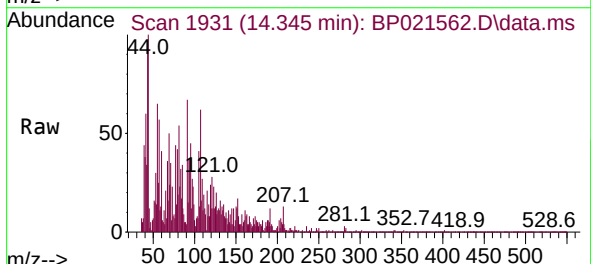
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OU4-TS-15-080724

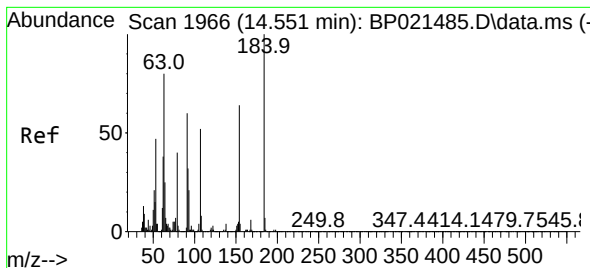
Tgt Ion:165 Resp: 325
Ion Ratio Lower Upper
165 100
63 76.9 51.5 77.3
89 50.3 57.8 86.8#



#53
3-Nitroaniline
Concen: 3.988 ng
RT: 14.345 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:138 Resp: 290
Ion Ratio Lower Upper
138 100
108 149.3 16.2 24.4#
92 142.5 122.2 183.4





#54

2,4-Dinitrophenol

Concen: 2.480 ng

RT: 14.557 min Scan# 1966

Delta R.T. 0.006 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724

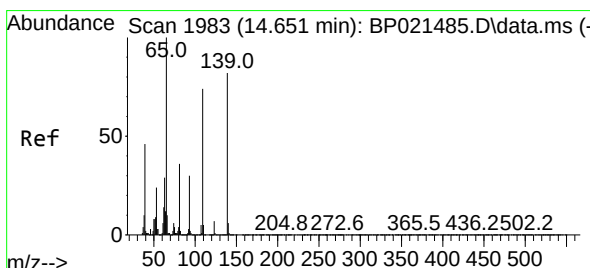
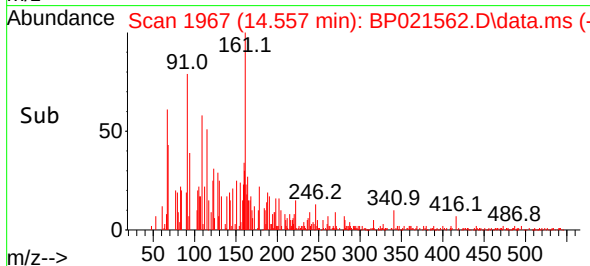
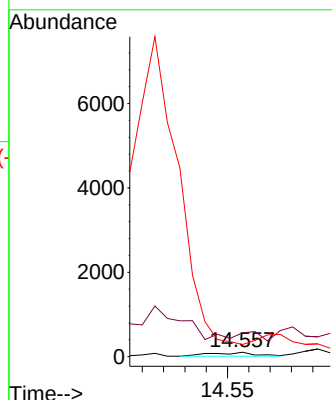
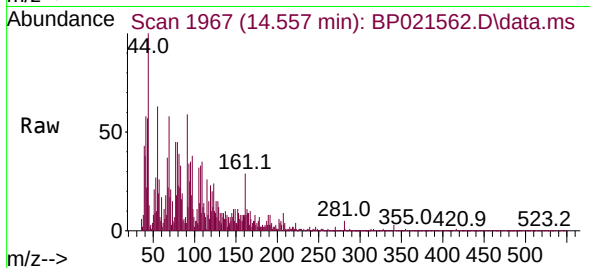
Tgt Ion:184 Resp: 130

Ion Ratio Lower Upper

184 100

63 538.1 64.9 97.3#

154 274.3 52.1 78.1#



#56

4-Nitrophenol

Concen: 5.142 ng

RT: 14.663 min Scan# 1985

Delta R.T. 0.012 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

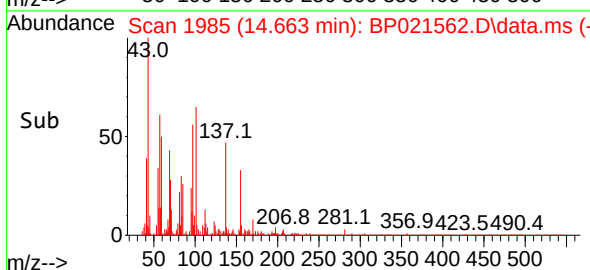
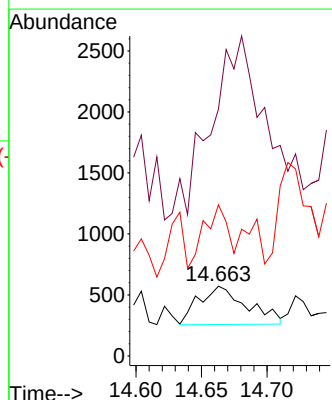
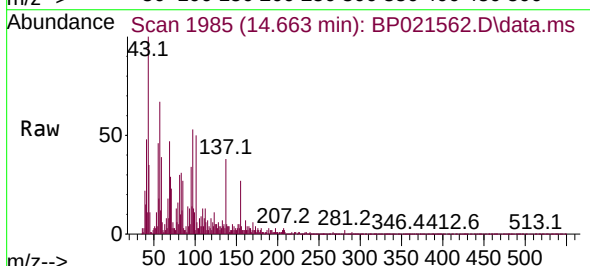
Tgt Ion:139 Resp: 800

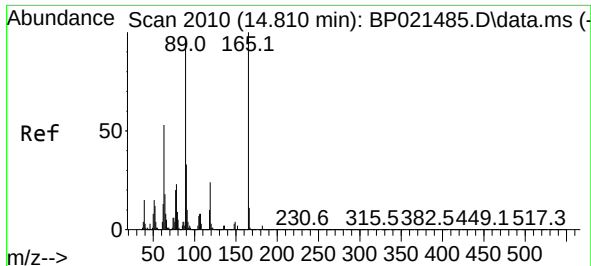
Ion Ratio Lower Upper

139 100

109 354.3 70.2 110.2#

65 217.0 101.8 141.8#

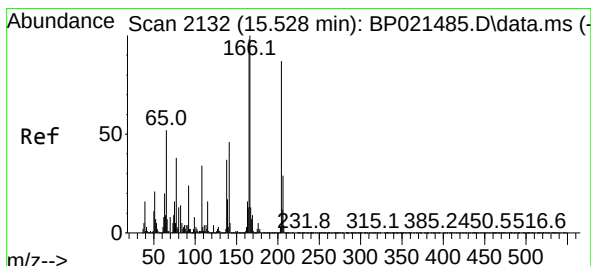
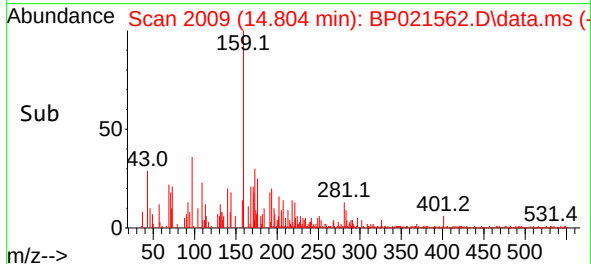
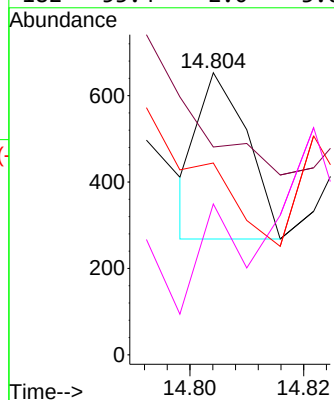
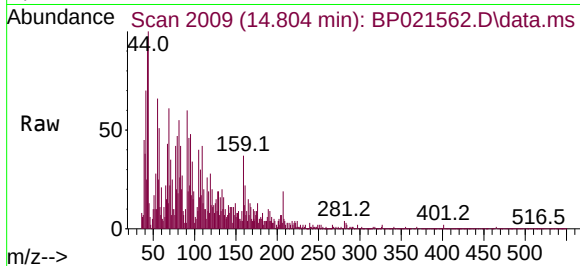




#57
2,4-Dinitrotoluene
Concen: 5.033 ng
RT: 14.804 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

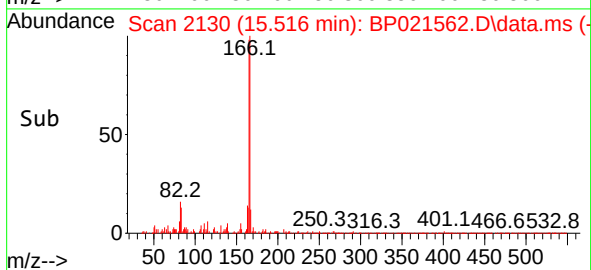
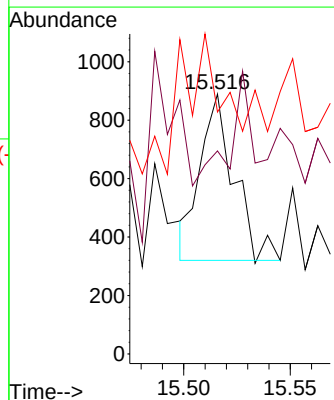
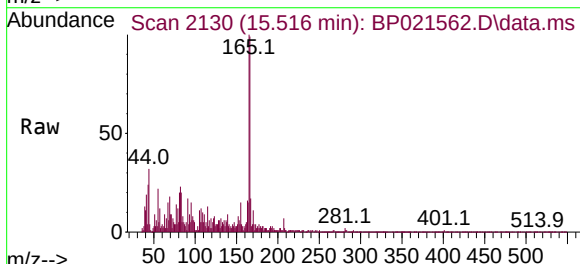
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724

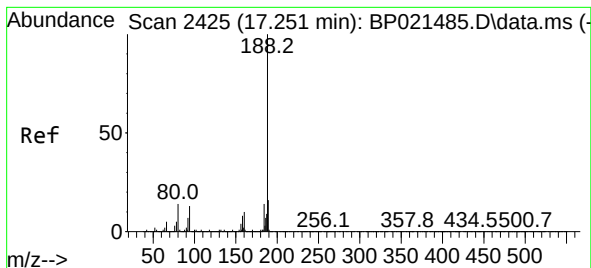
Tgt Ion:165 Resp: 225
Ion Ratio Lower Upper
165 100
63 73.7 42.5 63.7#
89 68.0 77.1 115.7#
182 53.4 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.975 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:138 Resp: 626
Ion Ratio Lower Upper
138 100
92 78.2 46.4 86.4
108 93.1 73.2 113.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.257 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724

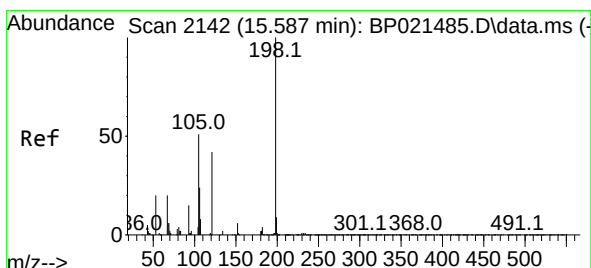
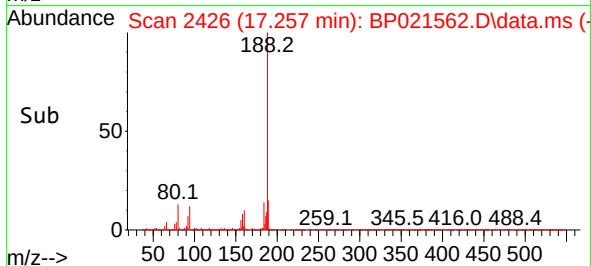
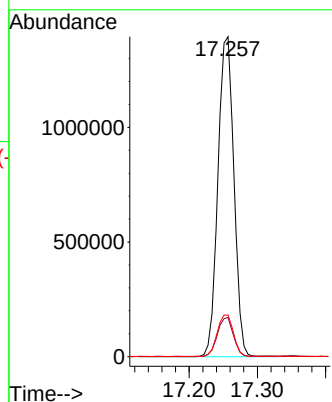
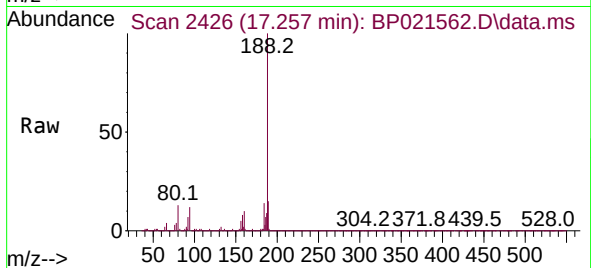
Tgt Ion:188 Resp: 2274834

Ion Ratio Lower Upper

188 100

94 12.3 10.2 15.4

80 13.0 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.629 ng

RT: 15.581 min Scan# 2141

Delta R.T. -0.006 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

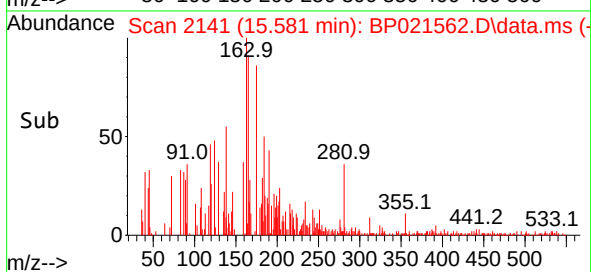
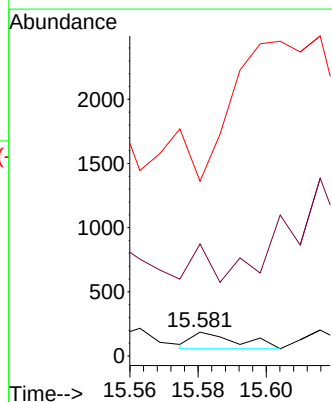
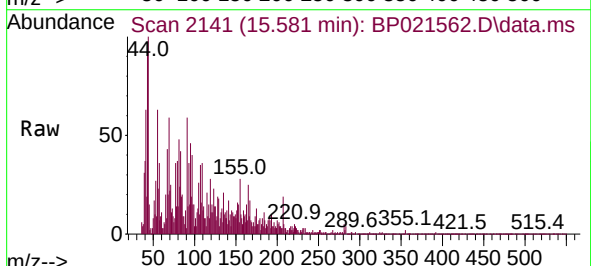
Tgt Ion:198 Resp: 120

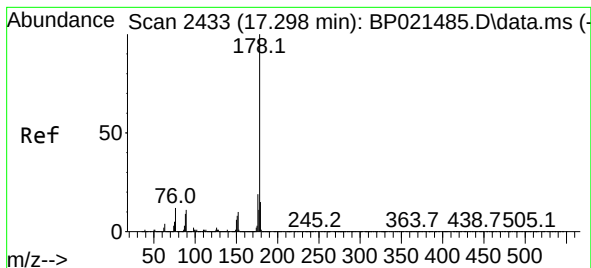
Ion Ratio Lower Upper

198 100

51 469.4 21.5 61.5#

105 732.3 32.9 72.9#





#71

Phenanthrene

Concen: 4.962 ng

RT: 17.298 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724

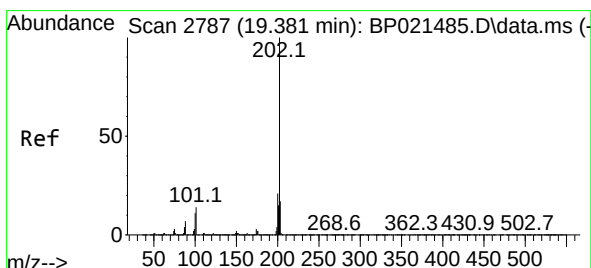
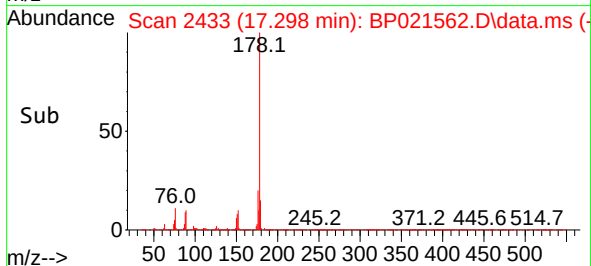
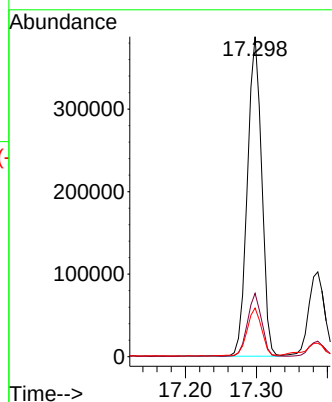
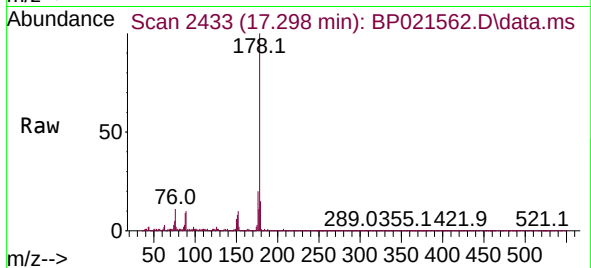
Tgt Ion:178 Resp: 542887

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.2

179 15.2 12.4 18.6



#75

Fluoranthene

Concen: 10.394 ng

RT: 19.380 min Scan# 2787

Delta R.T. -0.000 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

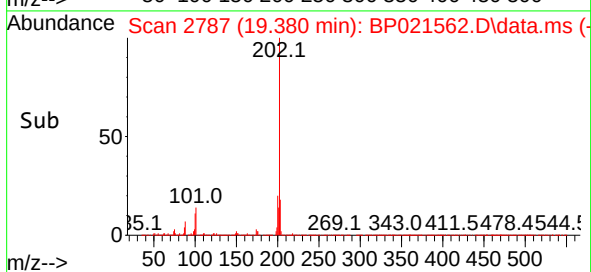
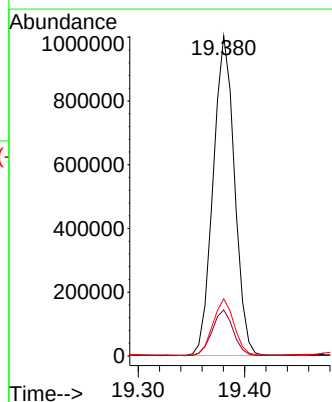
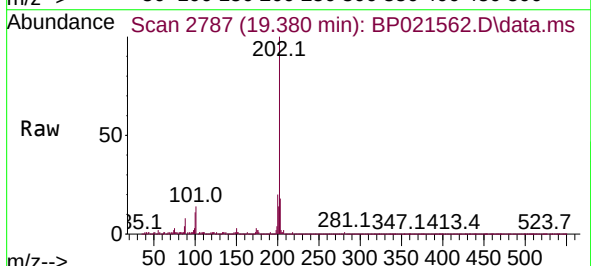
Tgt Ion:202 Resp: 1395222

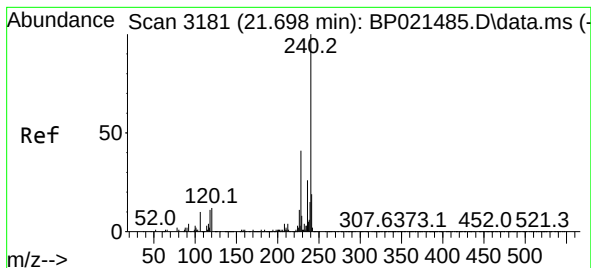
Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.0

203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.721 min Scan# 31

Delta R.T. 0.023 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724

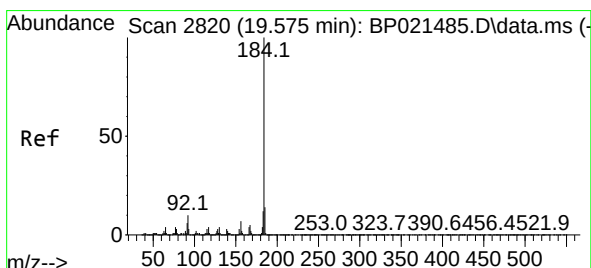
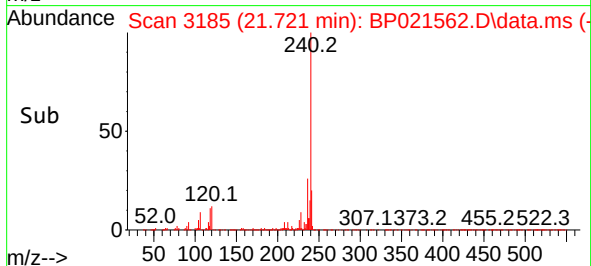
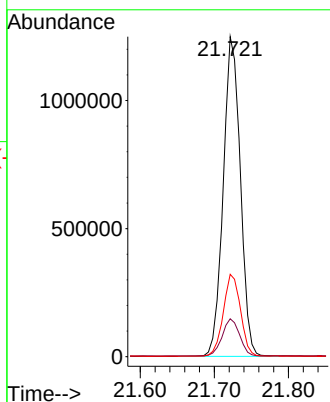
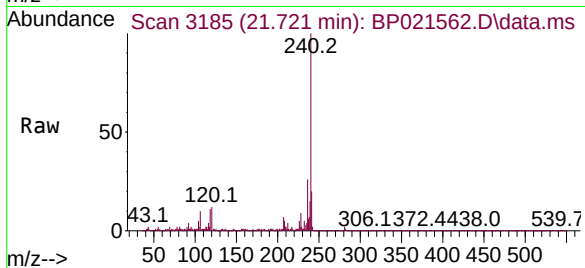
Tgt Ion:240 Resp: 2002605

Ion Ratio Lower Upper

240 100

120 11.9 9.9 14.9

236 25.8 20.6 30.8



#77

Benzidine

Concen: 4.583 ng

RT: 19.616 min Scan# 2827

Delta R.T. 0.041 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

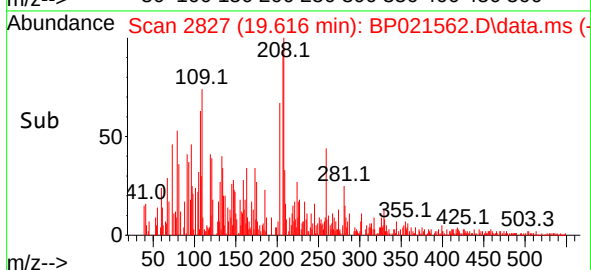
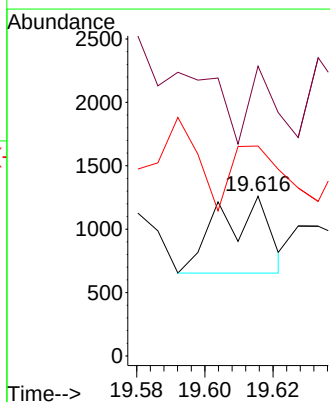
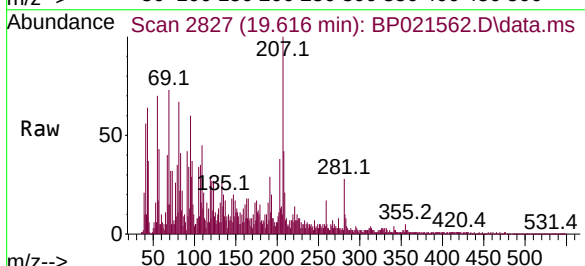
Tgt Ion:184 Resp: 614

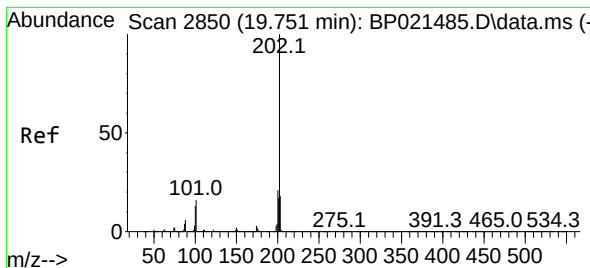
Ion Ratio Lower Upper

184 100

185 181.5 11.4 17.0#

183 131.5 9.3 13.9#





#78

Pyrene

Concen: 9.512 ng

RT: 19.757 min Scan# 2850

Delta R.T. 0.006 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724

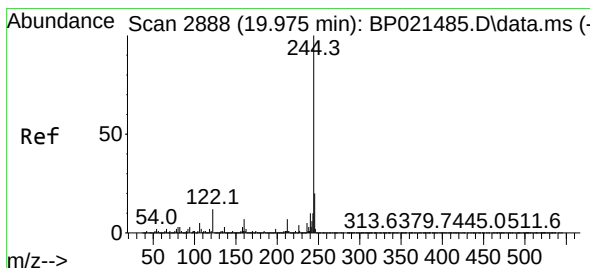
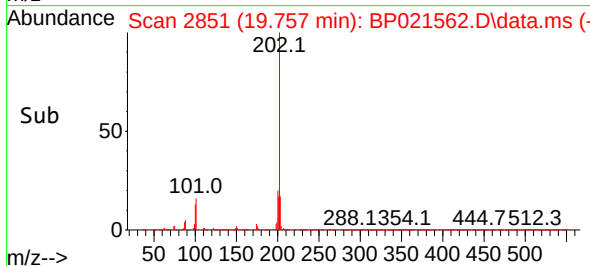
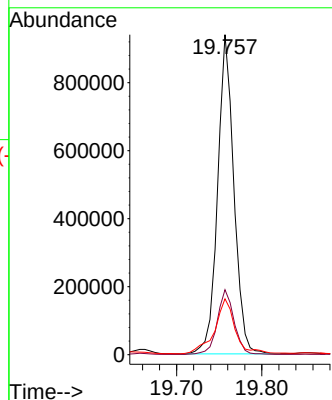
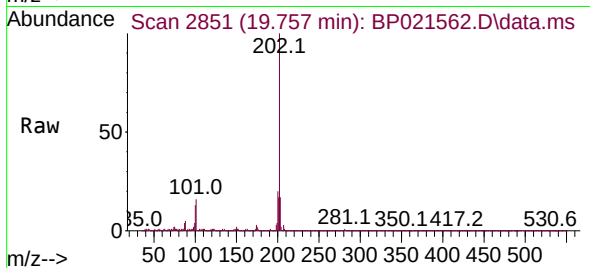
Tgt Ion:202 Resp: 1245113

Ion Ratio Lower Upper

202 100

200 20.3 16.7 25.1

203 17.4 14.1 21.1



#79

Terphenyl-d14

Concen: 40.253 ng

RT: 19.980 min Scan# 2889

Delta R.T. 0.005 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

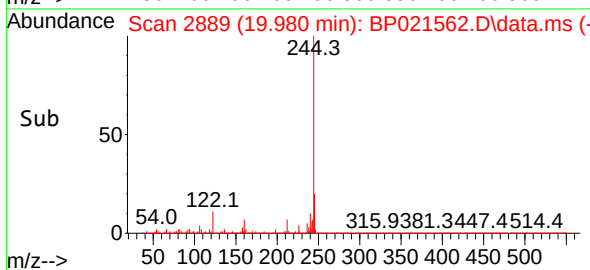
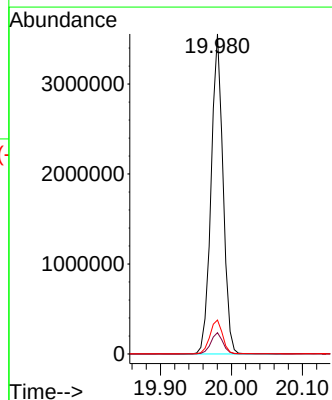
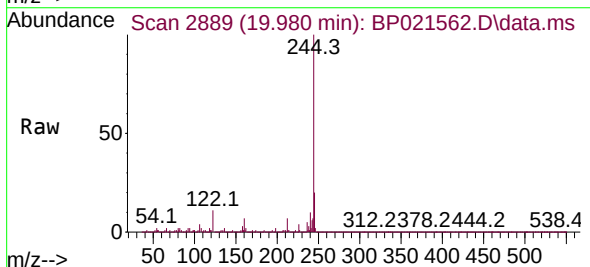
Tgt Ion:244 Resp: 4149321

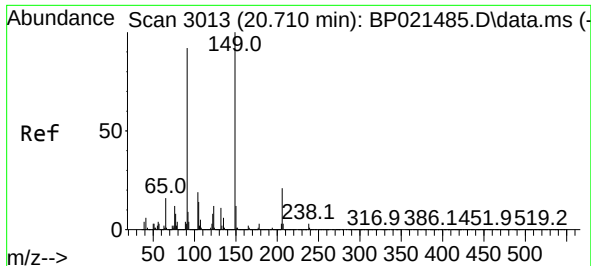
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.6 9.4 14.2

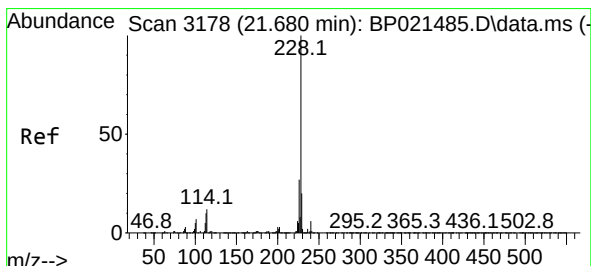
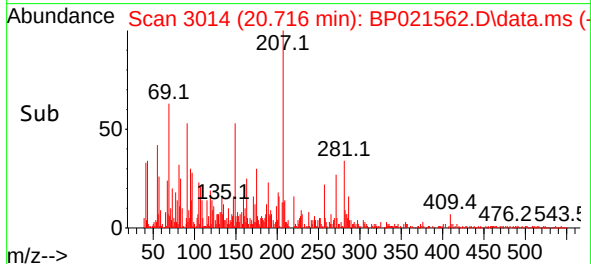
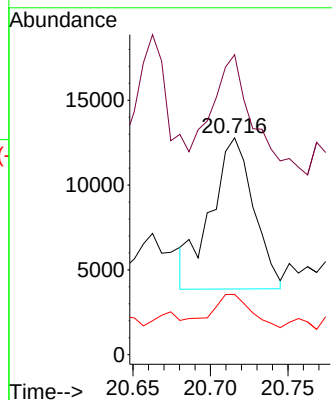
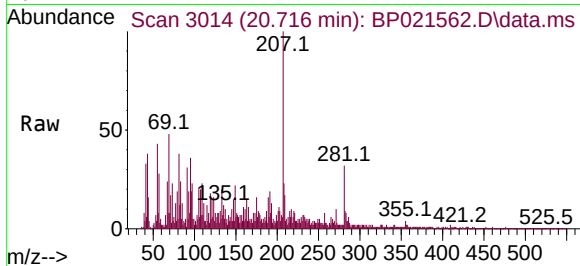




#80
Butylbenzylphthalate
Concen: 3.922 ng
RT: 20.716 min Scan# 3013
Delta R.T. 0.006 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

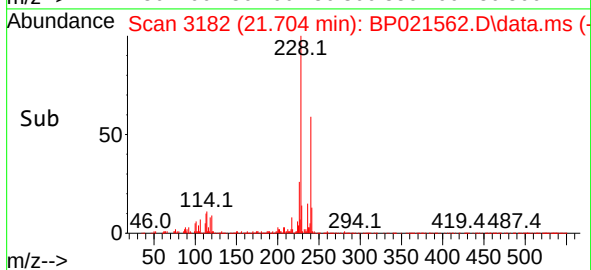
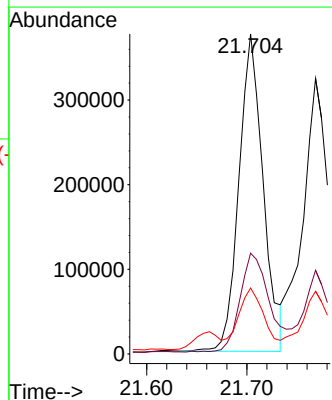
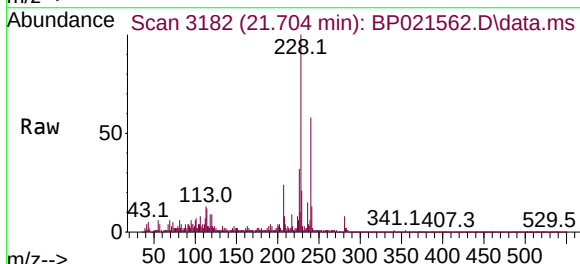
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724

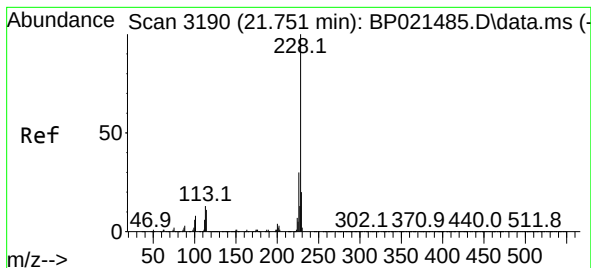
Tgt Ion:149 Resp: 17145
Ion Ratio Lower Upper
149 100
91 138.4 73.3 109.9#
206 27.8 17.1 25.7#



#81
Benzo(a)anthracene
Concen: 5.007 ng
RT: 21.704 min Scan# 3182
Delta R.T. 0.023 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:228 Resp: 629464
Ion Ratio Lower Upper
228 100
226 31.5 21.4 32.2
229 20.6 15.8 23.6





#83

Chrysene

Concen: 4.878 ng

RT: 21.768 min Scan# 3190

Delta R.T. 0.017 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724

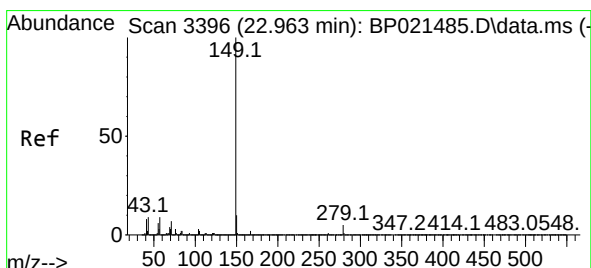
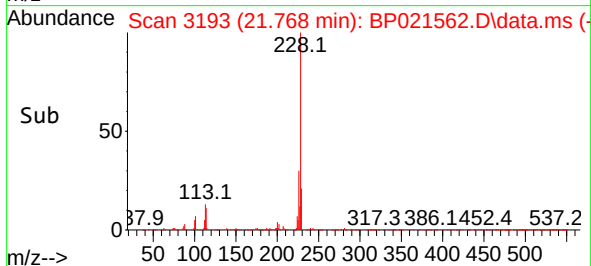
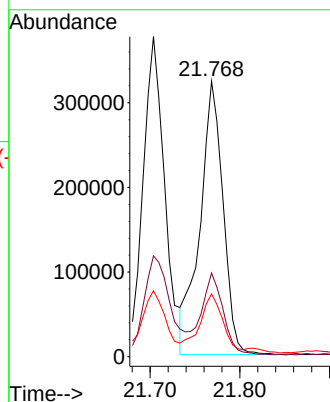
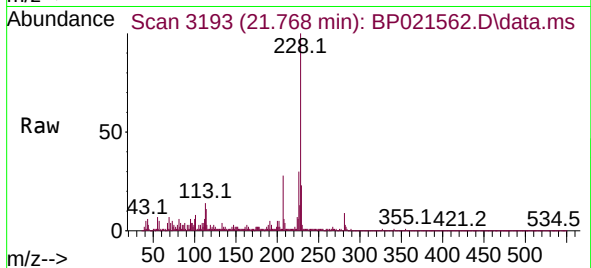
Tgt Ion:228 Resp: 579003

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

229 22.7 15.8 23.6



#85

Di-n-octyl phthalate

Concen: 4.843 ng

RT: 22.968 min Scan# 3397

Delta R.T. 0.005 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

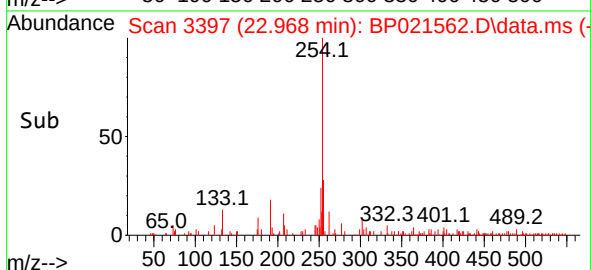
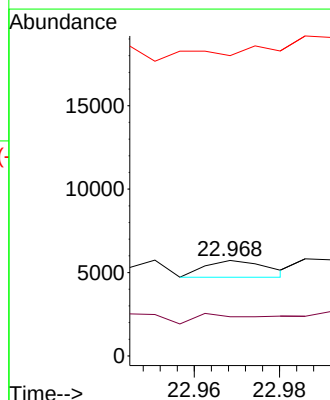
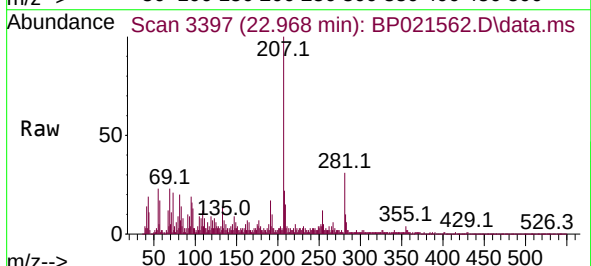
Tgt Ion:149 Resp: 1029

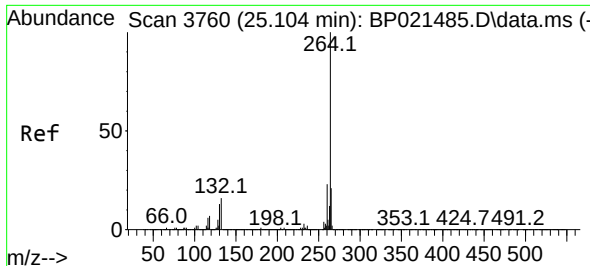
Ion Ratio Lower Upper

149 100

167 51.7 1.3 1.9#

43 0.0 7.3 10.9#



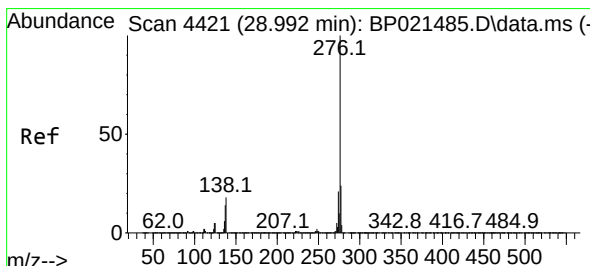
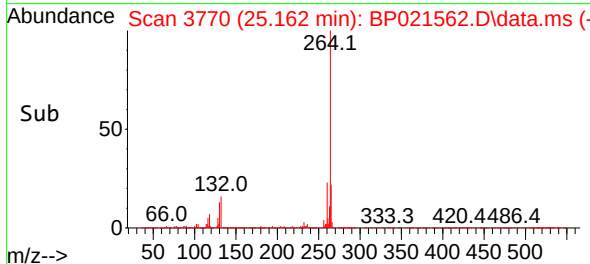
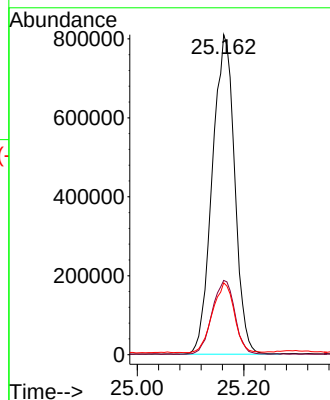
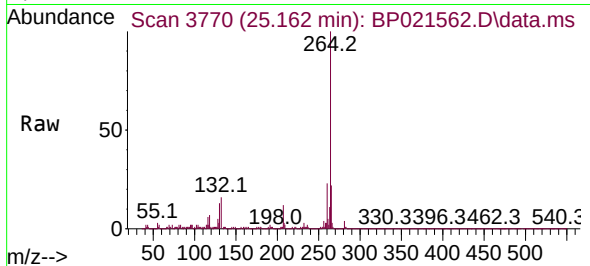


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.162 min Scan# 31
Delta R.T. 0.059 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724

Tgt Ion:264 Resp: 2354433

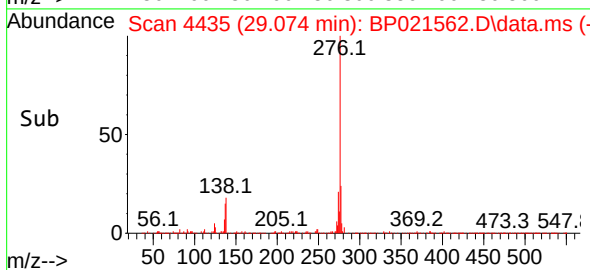
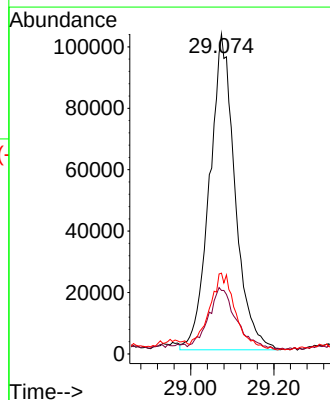
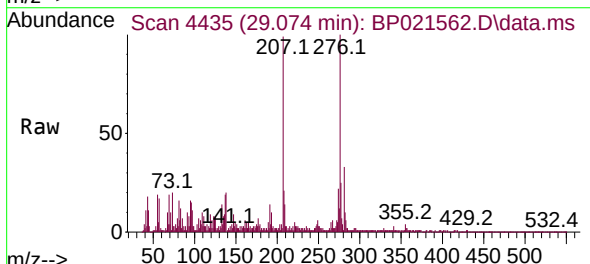
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	22.4	17.1	25.7

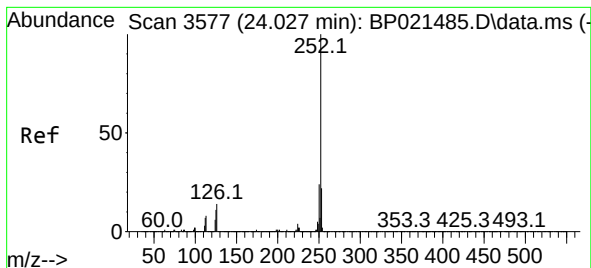


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.872 ng
RT: 29.074 min Scan# 4435
Delta R.T. 0.082 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:276 Resp: 438307

Ion	Ratio	Lower	Upper
276	100		
138	21.0	12.8	19.2#
277	25.2	16.5	24.7#





#88

Benzo(b)fluoranthene

Concen: 6.252 ng

RT: 24.074 min Scan# 3585

Delta R.T. 0.047 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724

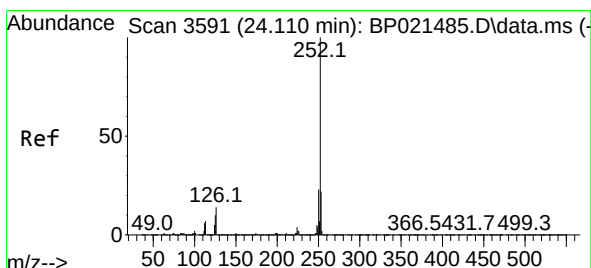
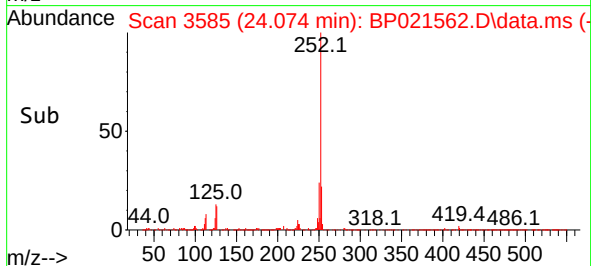
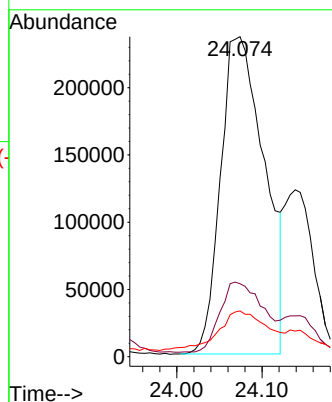
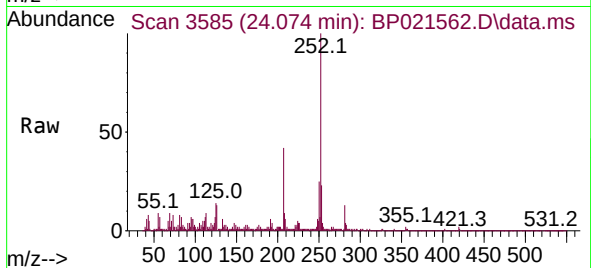
Tgt Ion:252 Resp: 845420

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 14.3 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 6.409 ng

RT: 24.074 min Scan# 3585

Delta R.T. -0.035 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

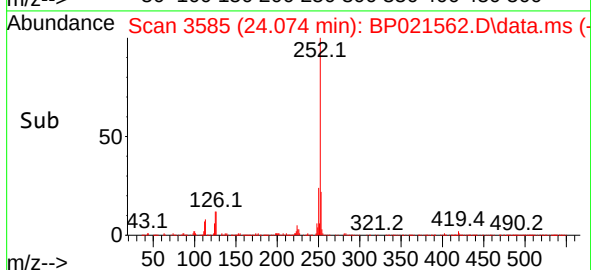
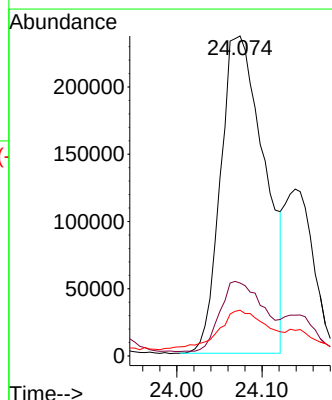
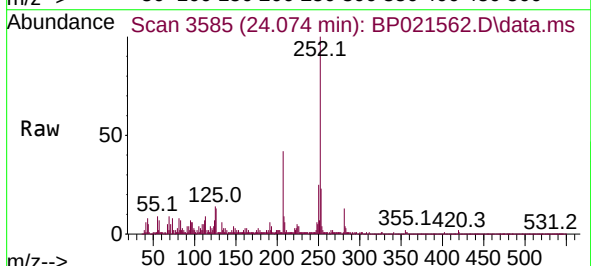
Tgt Ion:252 Resp: 845420

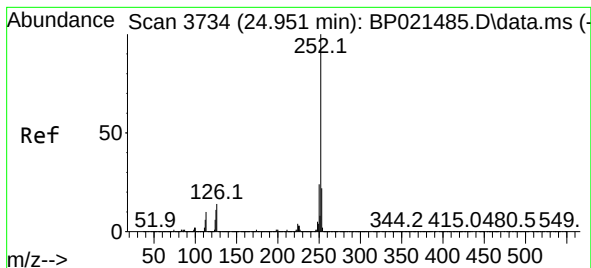
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 14.3 7.8 11.8#





#90

Benzo(a)pyrene

Concen: 5.197 ng

RT: 24.998 min Scan# 31

Delta R.T. 0.047 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724

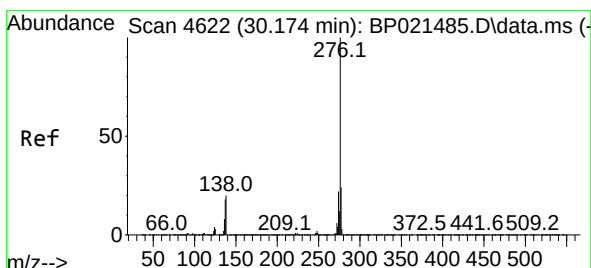
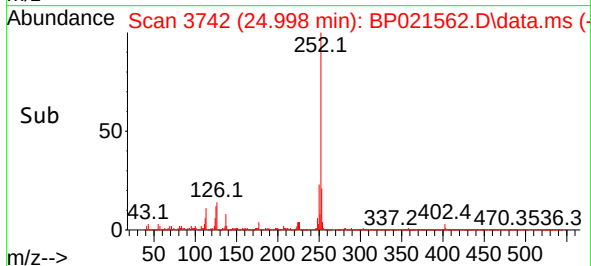
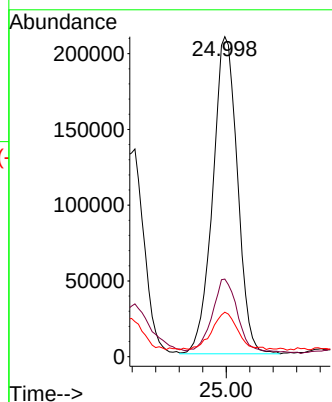
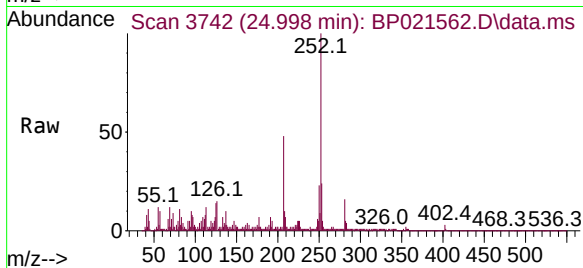
Tgt Ion:252 Resp: 609890

Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

125 13.9 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 3.244 ng

RT: 30.297 min Scan# 4643

Delta R.T. 0.123 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Tgt Ion:276 Resp: 412369

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 21.5 16.0 24.0

