

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081624\
 Data File : BP021542.D
 Acq On : 16 Aug 2024 16:38
 Operator : RC/JU
 Sample : P3518-09RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-05-080724RE

Quant Time: Aug 16 17:11:29 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)

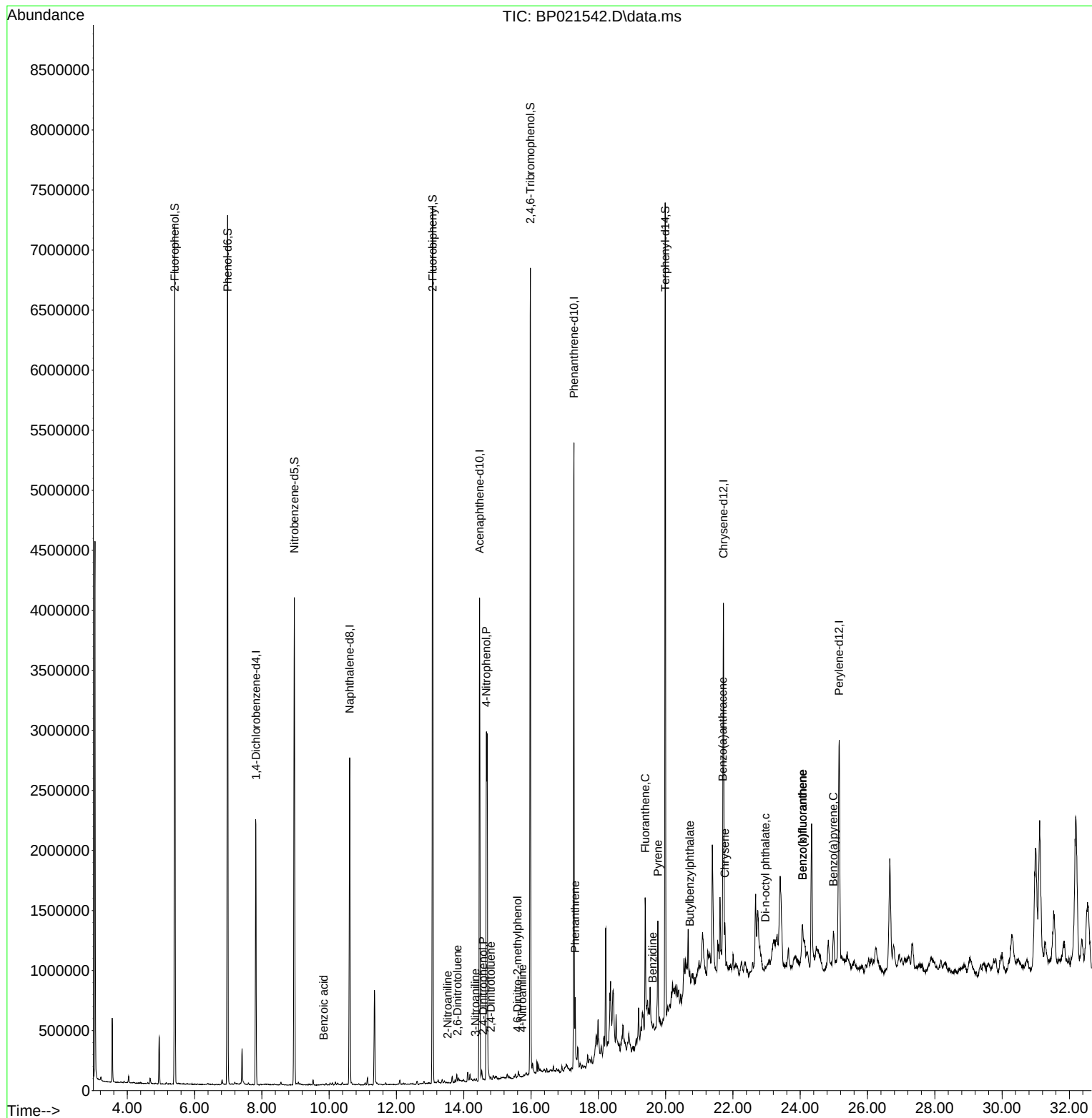
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	582834	20.000	ng	0.01
21) Naphthalene-d8	10.610	136	2442333	20.000	ng	0.01
39) Acenaphthene-d10	14.469	164	1540337	20.000	ng	0.01
64) Phenanthrene-d10	17.275	188	2738628	20.000	ng	0.02
76) Chrysene-d12	21.716	240	1670991	20.000	ng	0.02
86) Perylene-d12	25.157	264	2090847	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	3199850	81.521	ng	0.02
7) Phenol-d6	6.981	99	4621031	80.704	ng	0.02
23) Nitrobenzene-d5	8.963	82	2743648	57.983	ng	0.01
42) 2,4,6-Tribromophenol	15.981	330	1364596	79.599	ng	0.01
45) 2-Fluorobiphenyl	13.075	172	4048122	40.109	ng	0.01
79) Terphenyl-d14	19.986	244	3866216	44.949	ng	0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.746	139	210	Below Cal	#	1
32) Benzoic acid	9.834	122	1050	3.401	ng	# 81
48) 2-Nitroaniline	13.522	65	169	5.154	ng	# 83
51) 2,6-Dinitrotoluene	13.810	165	258	3.997	ng	# 86
53) 3-Nitroaniline	14.340	138	496	3.991	ng	# 21
54) 2,4-Dinitrophenol	14.575	184	106	2.458	ng	# 1
56) 4-Nitrophenol	14.669	139	6668	5.444	ng	# 1
57) 2,4-Dinitrotoluene	14.804	165	201	5.029	ng	# 66
62) 4-Nitroaniline	15.740	138	924	2.976	ng	# 95
65) 4,6-Dinitro-2-methylph...	15.598	198	299	4.653	ng	# 1
71) Phenanthrene	17.310	178	319431	2.425	ng	# 100
75) Fluoranthene	19.392	202	639587	3.958	ng	# 98
77) Benzidine	19.610	184	480	4.582	ng	# 1
78) Pyrene	19.769	202	561355	5.140	ng	# 99
80) Butylbenzylphthalate	20.722	149	3820	3.688	ng	# 45
81) Benzo(a)anthracene	21.698	228	255047	2.431	ng	# 94
83) Chrysene	21.763	228	282902	2.856	ng	# 97
85) Di-n-octyl phthalate	22.963	149	1623	4.850	ng	# 78
88) Benzo(b)fluoranthene	24.069	252	414535	3.452	ng	# 96
89) Benzo(k)fluoranthene	24.069	252	414535	3.539	ng	# 95
90) Benzo(a)pyrene	24.986	252	276306	2.651	ng	# 91

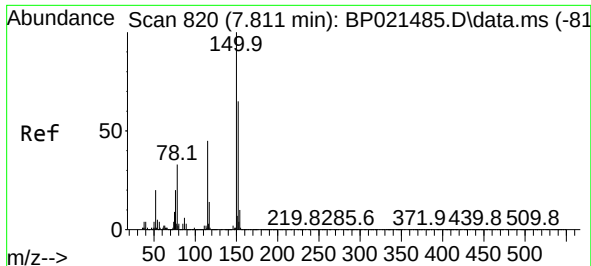
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-TS-05-080724RE

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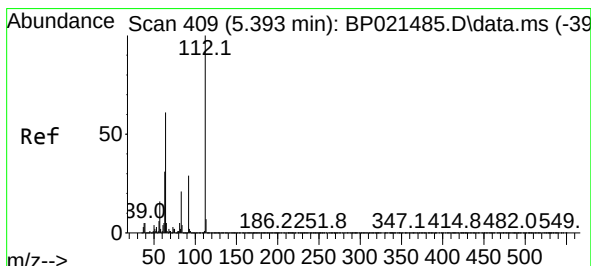
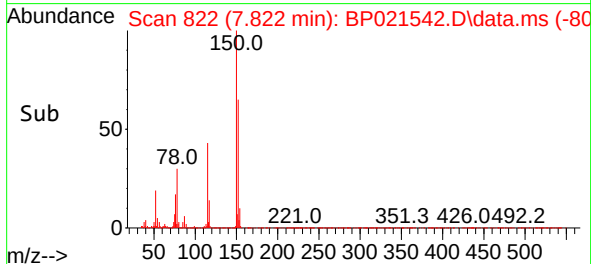
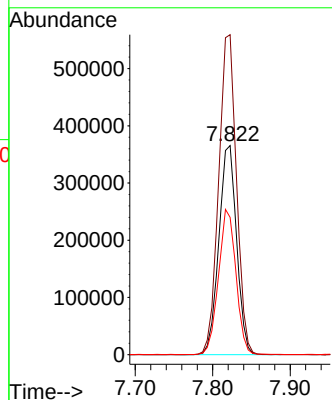
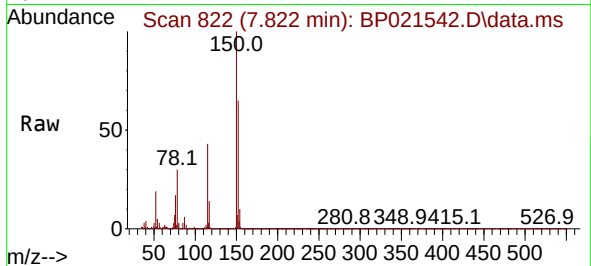




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. 0.011 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

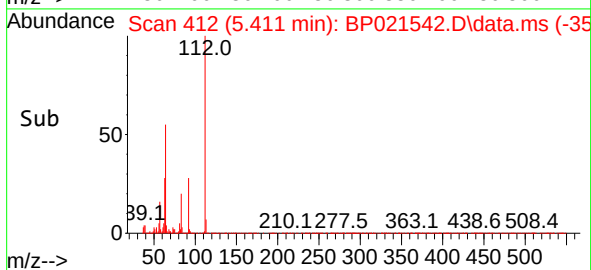
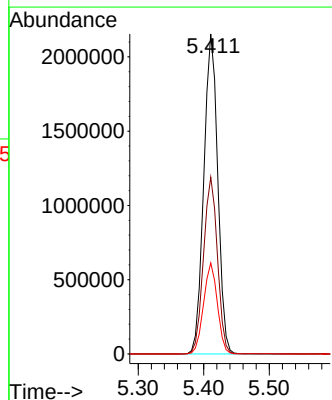
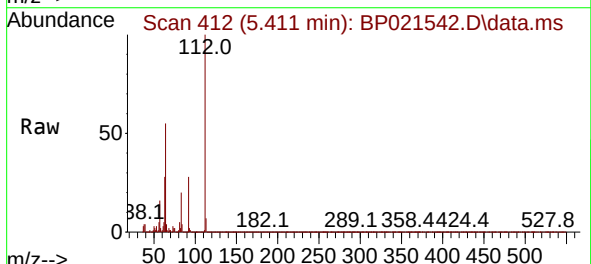
Instrument :
BNA_P
ClientSampleId :
OU4-TS-05-080724RE

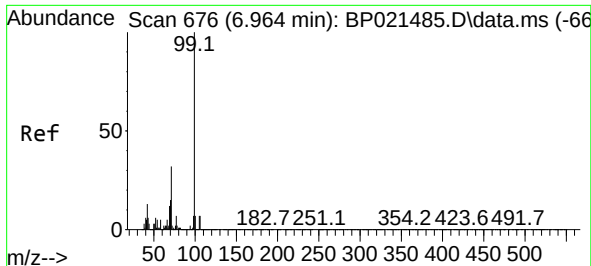
Tgt Ion:152 Resp: 582834
Ion Ratio Lower Upper
152 100
150 153.1 122.4 183.6
115 65.7 54.7 82.1



#5
2-Fluorophenol
Concen: 81.521 ng
RT: 5.411 min Scan# 412
Delta R.T. 0.018 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:112 Resp: 3199850
Ion Ratio Lower Upper
112 100
64 55.3 49.0 73.6
63 28.5 24.6 36.8

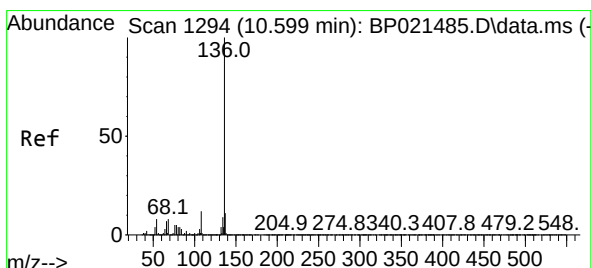
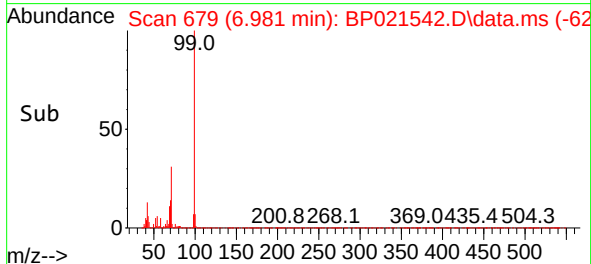
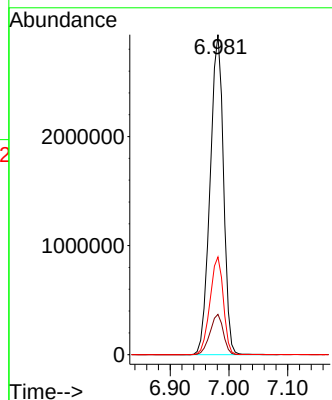
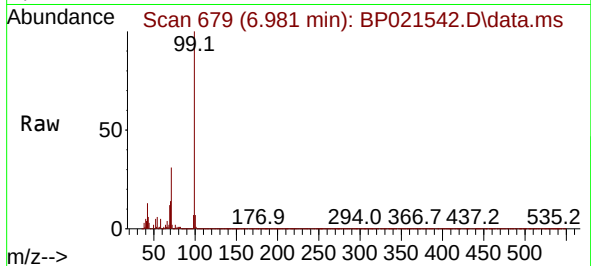




#7
Phenol-d6
Concen: 80.704 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

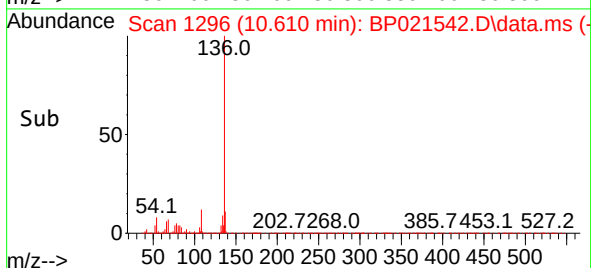
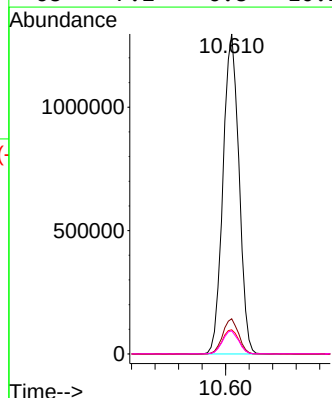
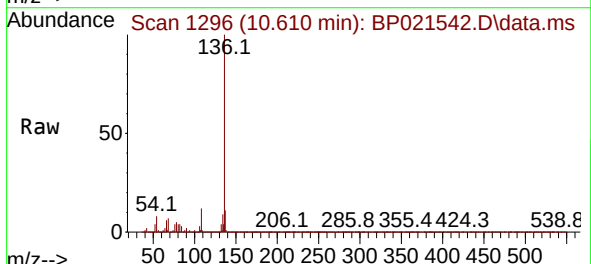
Instrument :
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ClientSampleId :
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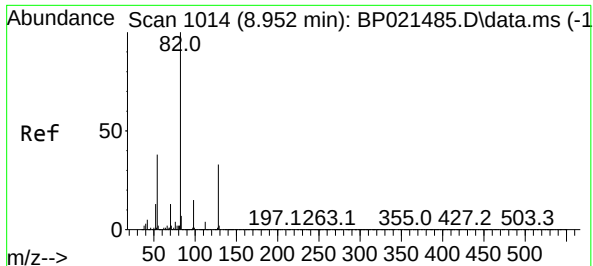
Tgt Ion: 99 Resp: 4621031
Ion Ratio Lower Upper
99 100
42 12.6 10.2 15.4
71 30.6 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1296
Delta R.T. 0.011 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:136 Resp: 2442333
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.5 6.3 9.5
68 7.2 6.8 10.2

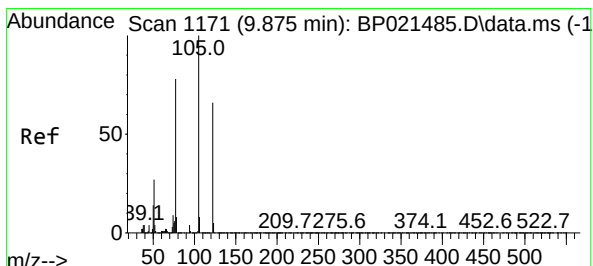
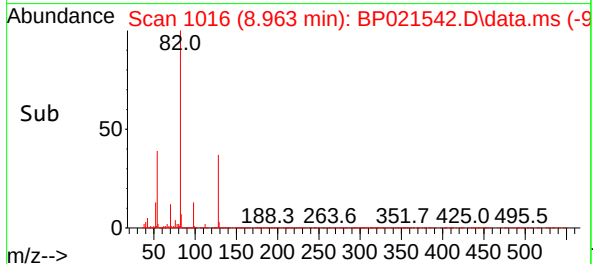
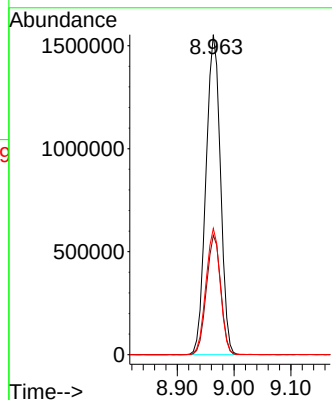
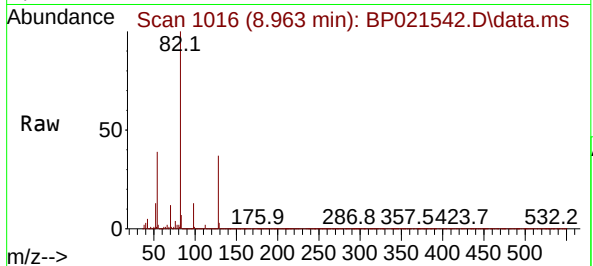




#23
Nitrobenzene-d5
Concen: 57.983 ng
RT: 8.963 min Scan# 1164
Delta R.T. 0.012 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

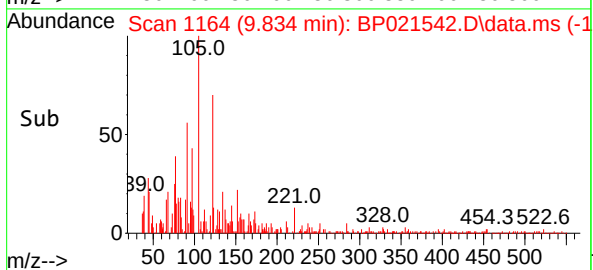
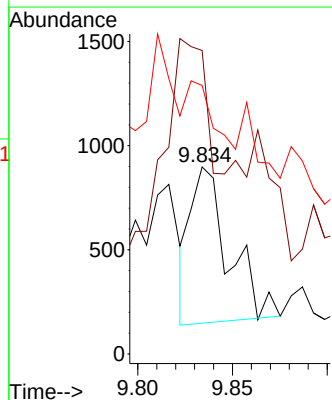
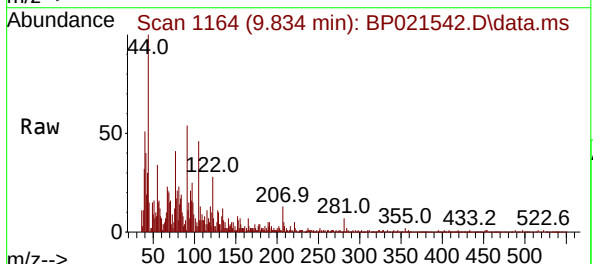
Instrument :
BNA_P
ClientSampleId :
OU4-TS-05-080724RE

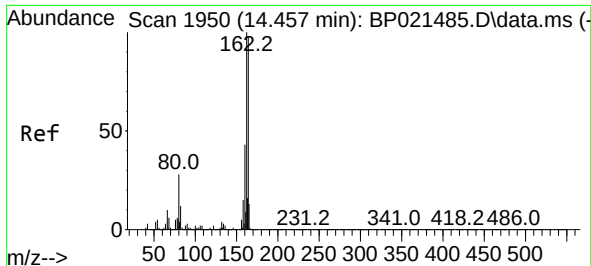
Tgt Ion: 82 Resp: 2743648
Ion Ratio Lower Upper
82 100
128 37.4 26.5 39.7
54 39.5 30.3 45.5



#32
Benzoic acid
Concen: 3.401 ng
RT: 9.834 min Scan# 1164
Delta R.T. -0.041 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:122 Resp: 1050
Ion Ratio Lower Upper
122 100
105 162.2 124.6 164.6
77 143.5 96.2 136.2#

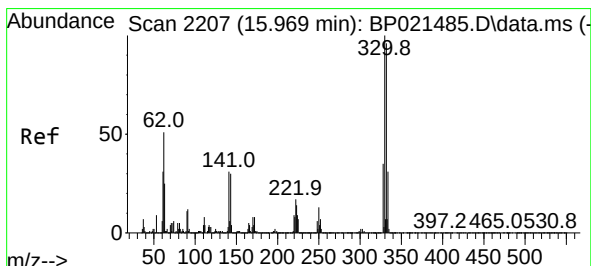
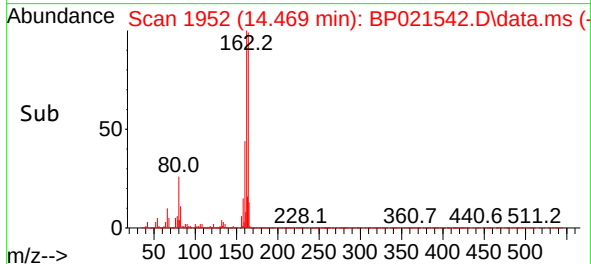
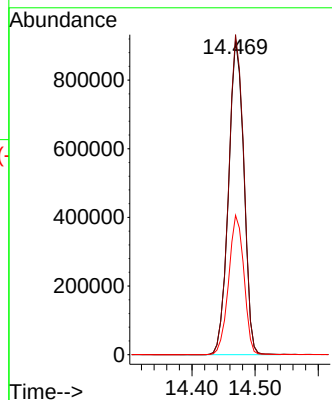
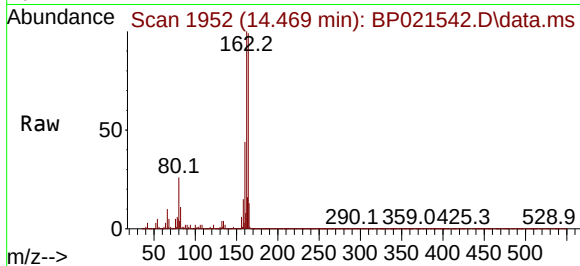




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.469 min Scan# 1952
Delta R.T. 0.012 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

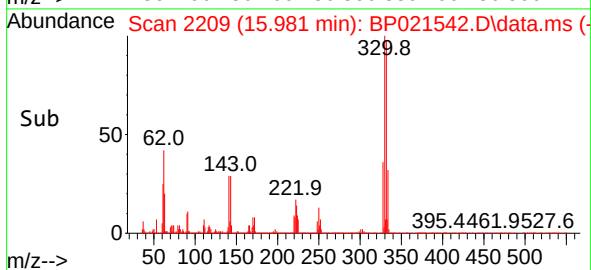
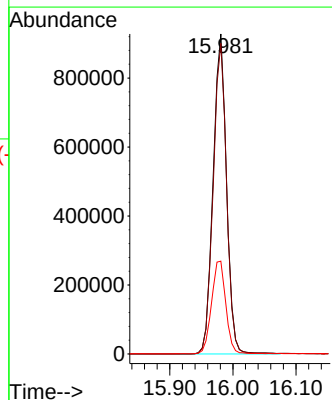
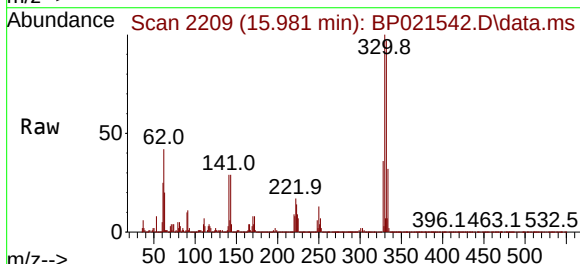
Instrument :
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ClientSampleId :
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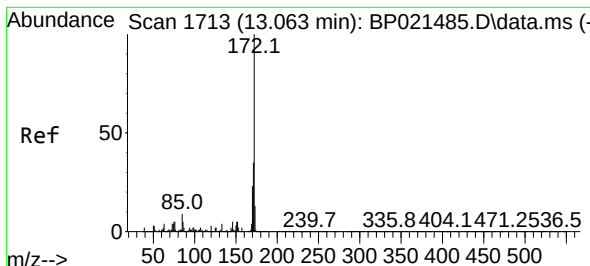
Tgt Ion:164 Resp: 1540337
Ion Ratio Lower Upper
164 100
162 101.5 81.5 122.3
160 44.2 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 79.599 ng
RT: 15.981 min Scan# 2209
Delta R.T. 0.012 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:330 Resp: 1364596
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.0
141 30.8 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 40.109 ng

RT: 13.075 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

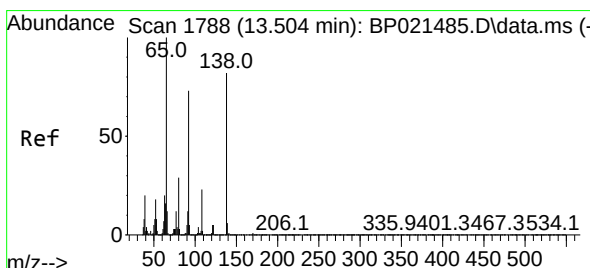
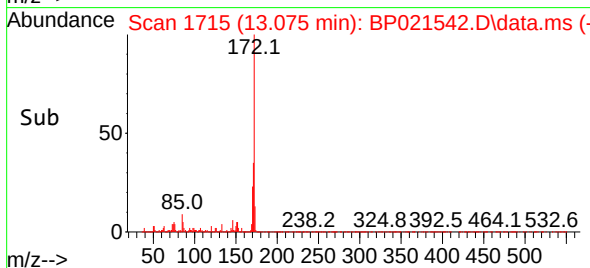
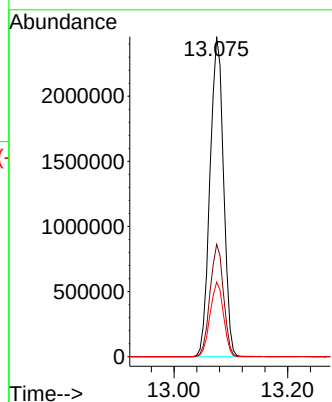
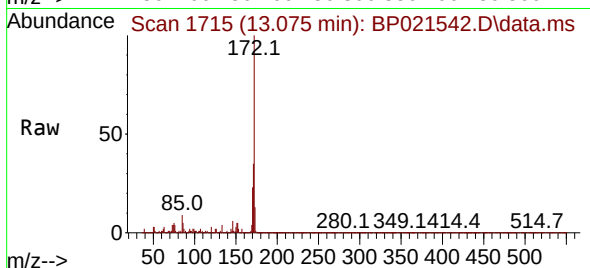
Tgt Ion:172 Resp: 4048122

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.3 18.4 27.6



#48

2-Nitroaniline

Concen: 5.154 ng

RT: 13.522 min Scan# 1791

Delta R.T. 0.018 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

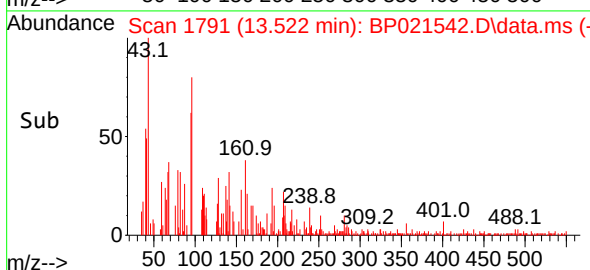
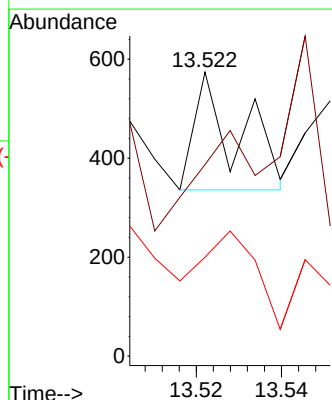
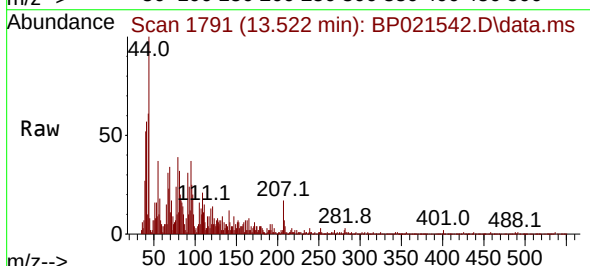
Tgt Ion: 65 Resp: 169

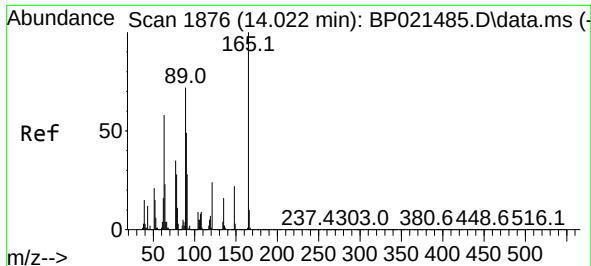
Ion Ratio Lower Upper

65 100

92 67.4 58.1 87.1

138 57.7 65.5 98.3#

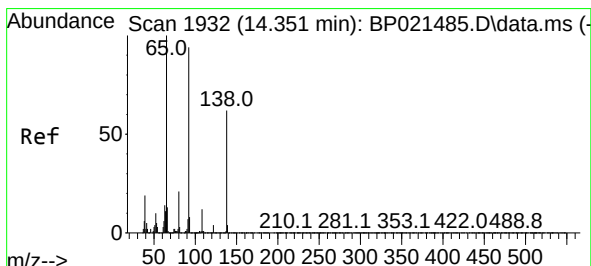
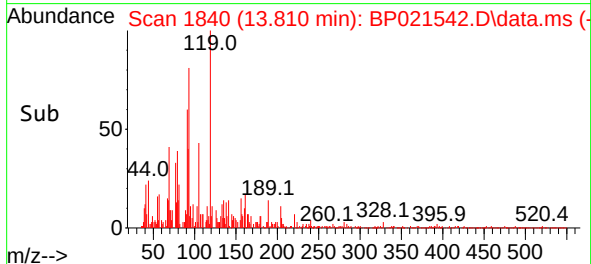
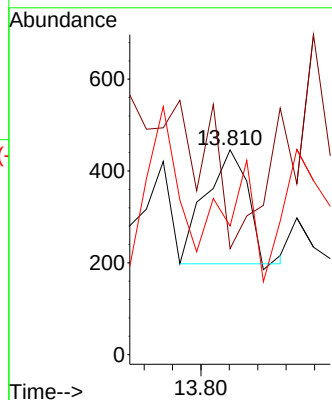
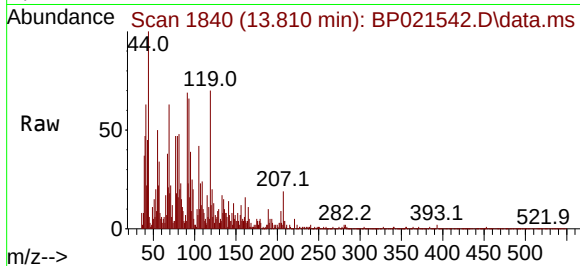




#51
2,6-Dinitrotoluene
Concen: 3.997 ng
RT: 13.810 min Scan# 11
Delta R.T. -0.212 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

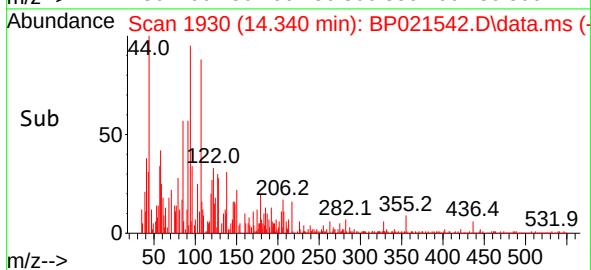
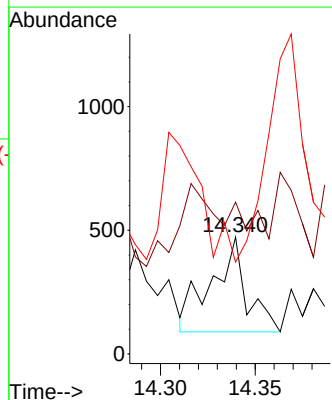
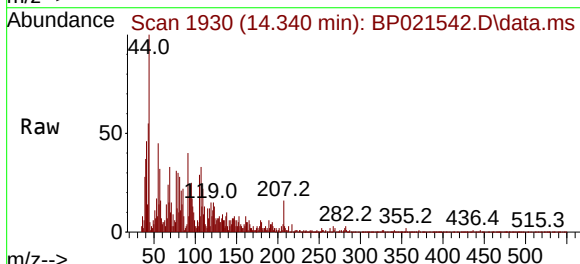
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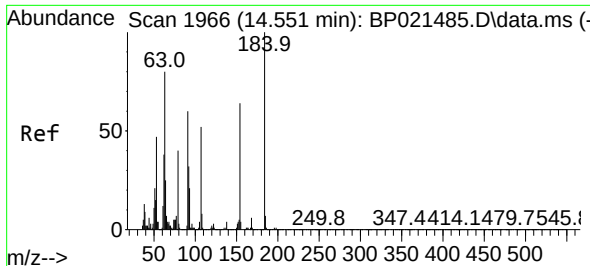
Tgt Ion:165 Resp: 258
Ion Ratio Lower Upper
165 100
63 51.8 51.5 77.3
89 62.8 57.8 86.8



#53
3-Nitroaniline
Concen: 3.991 ng
RT: 14.340 min Scan# 1930
Delta R.T. -0.011 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:138 Resp: 496
Ion Ratio Lower Upper
138 100
108 130.1 16.2 24.4#
92 78.6 122.2 183.4#

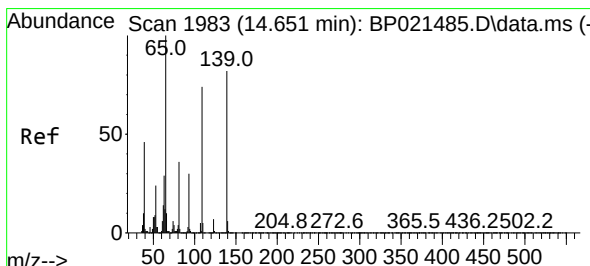
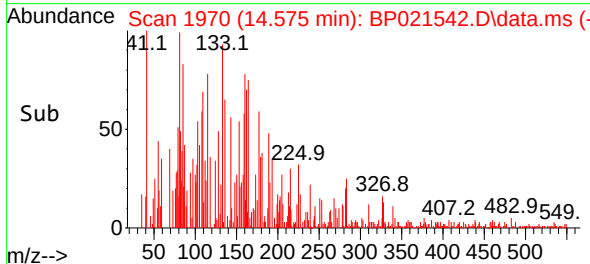
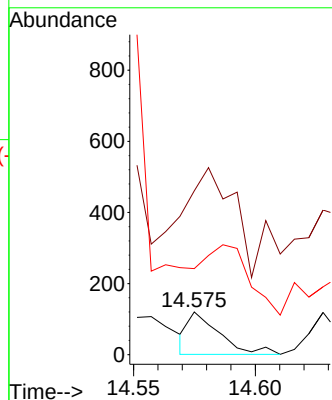
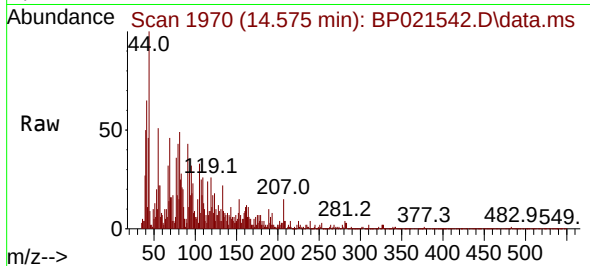




#54
2,4-Dinitrophenol
Concen: 2.458 ng
RT: 14.575 min Scan# 1970
Delta R.T. 0.024 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

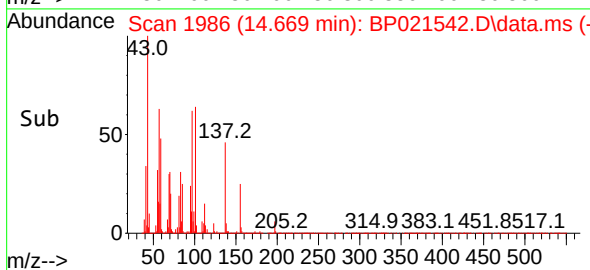
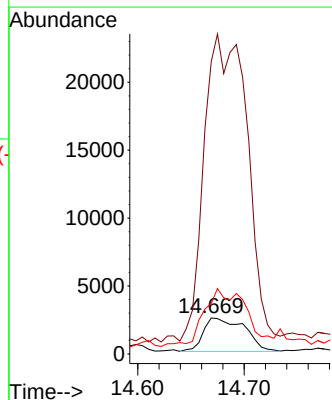
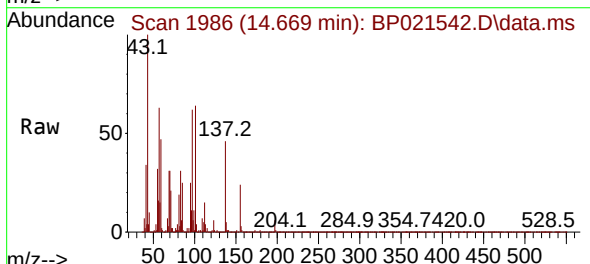
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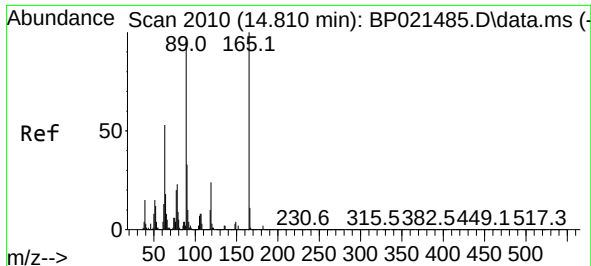
Tgt Ion:184 Resp: 106
Ion Ratio Lower Upper
184 100
63 384.2 64.9 97.3#
154 201.7 52.1 78.1#



#56
4-Nitrophenol
Concen: 5.444 ng
RT: 14.669 min Scan# 1986
Delta R.T. 0.018 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:139 Resp: 6668
Ion Ratio Lower Upper
139 100
109 810.6 70.2 110.2#
65 140.1 101.8 141.8

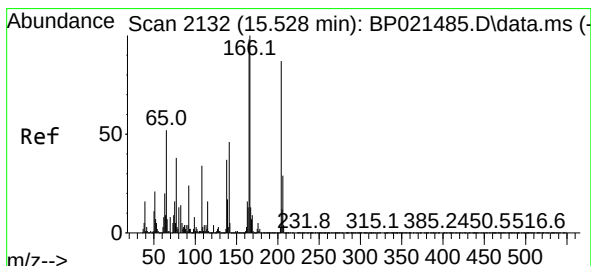
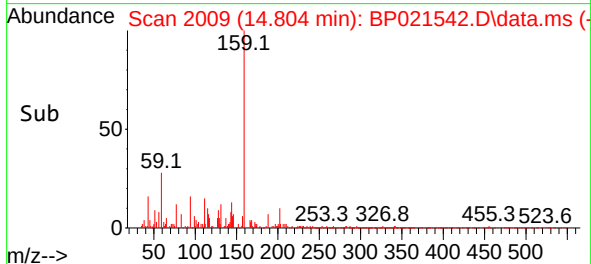
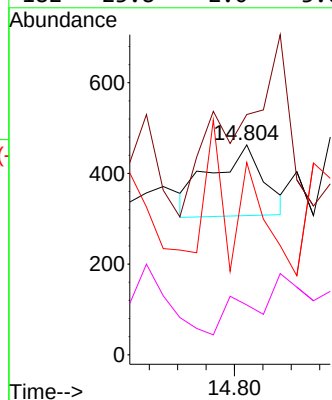
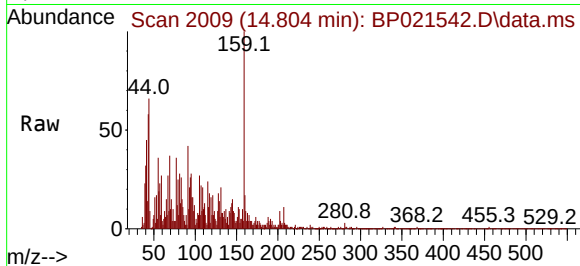




#57
2,4-Dinitrotoluene
Concen: 5.029 ng
RT: 14.804 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

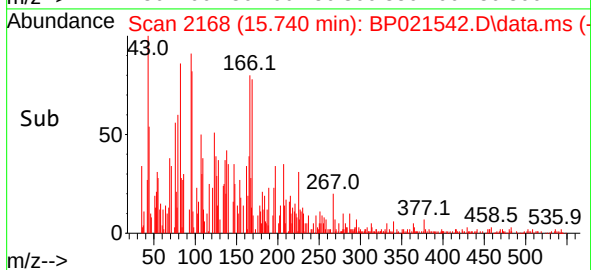
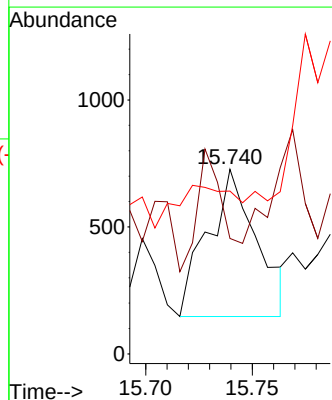
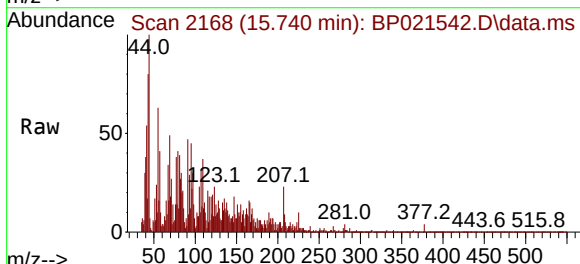
Instrument :
BNA_P
ClientSampleId :
OU4-TS-05-080724RE

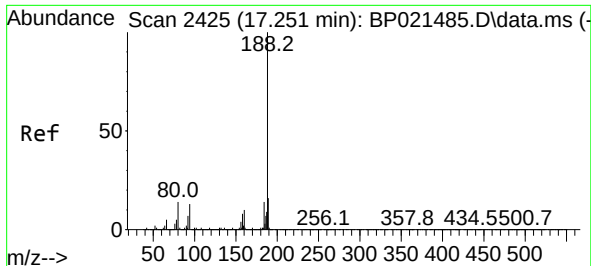
Tgt Ion:165 Resp: 201
Ion Ratio Lower Upper
165 100
63 114.5 42.5 63.7#
89 91.6 77.1 115.7
182 23.8 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.976 ng
RT: 15.740 min Scan# 2168
Delta R.T. 0.212 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:138 Resp: 924
Ion Ratio Lower Upper
138 100
92 62.6 46.4 86.4
108 88.2 73.2 113.2

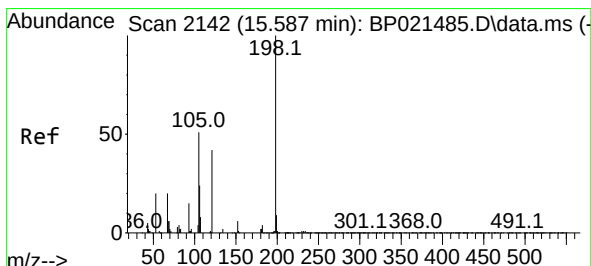
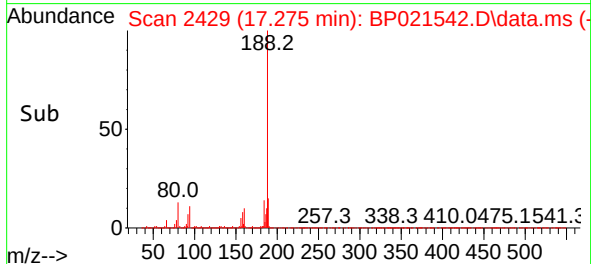
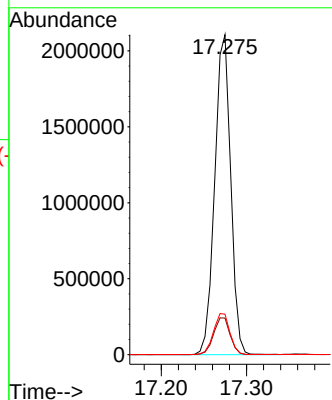
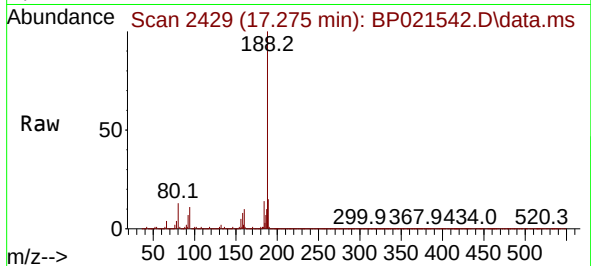




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2429
Delta R.T. 0.024 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

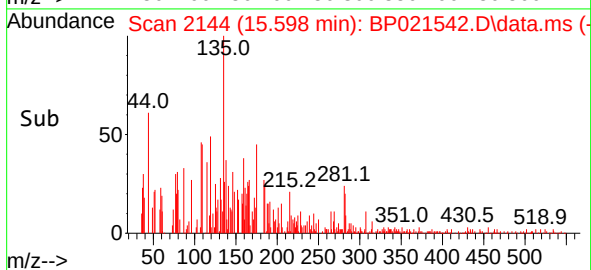
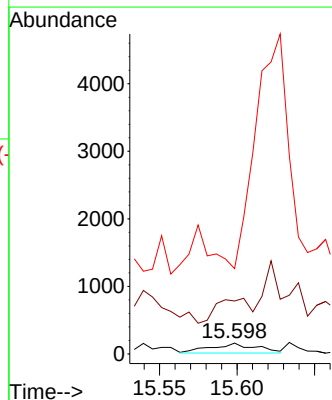
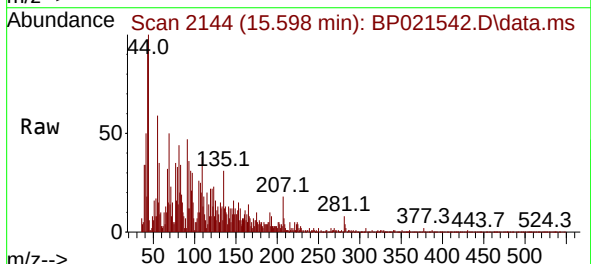
Instrument :
BNA_P
ClientSampleId :
OU4-TS-05-080724RE

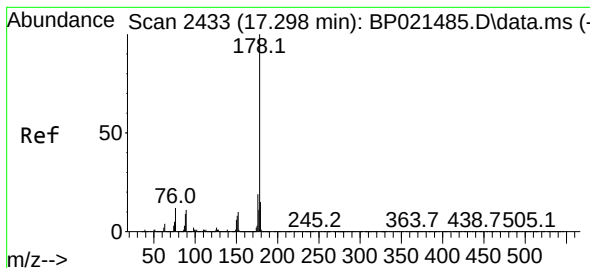
Tgt Ion:188 Resp: 2738628
Ion Ratio Lower Upper
188 100
94 11.4 10.2 15.4
80 12.6 11.6 17.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.653 ng
RT: 15.598 min Scan# 2144
Delta R.T. 0.011 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:198 Resp: 299
Ion Ratio Lower Upper
198 100
51 487.0 21.5 61.5#
105 783.9 32.9 72.9#





#71

Phenanthrene

Concen: 2.425 ng

RT: 17.310 min Scan# 2433

Delta R.T. 0.012 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

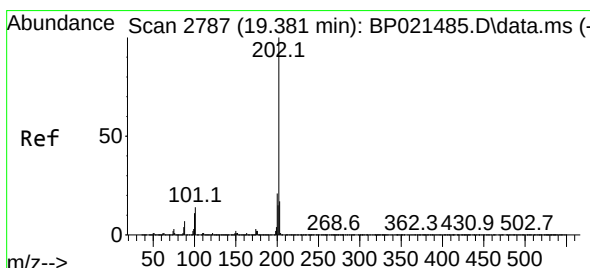
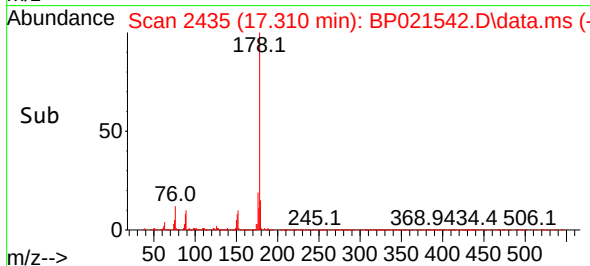
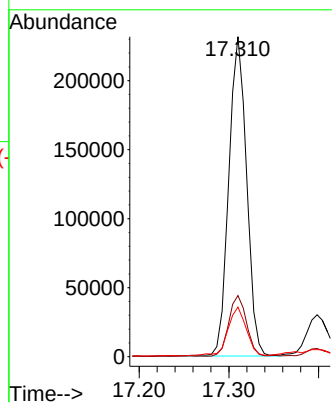
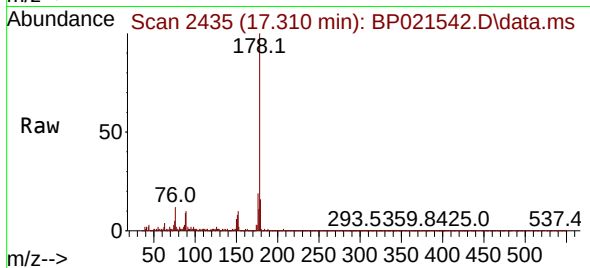
Tgt Ion:178 Resp: 319431

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.5 12.4 18.6



#75

Fluoranthene

Concen: 3.958 ng

RT: 19.392 min Scan# 2789

Delta R.T. 0.012 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

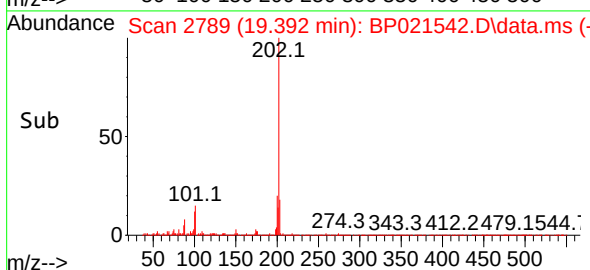
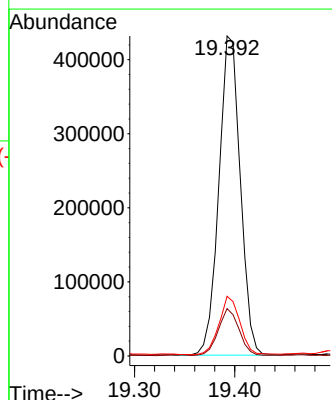
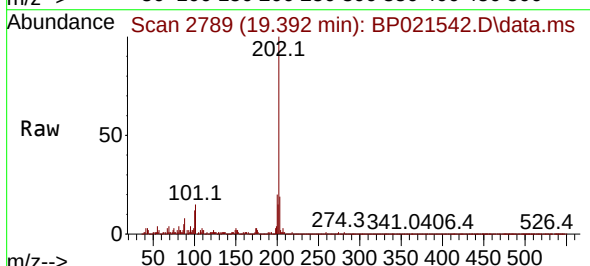
Tgt Ion:202 Resp: 639587

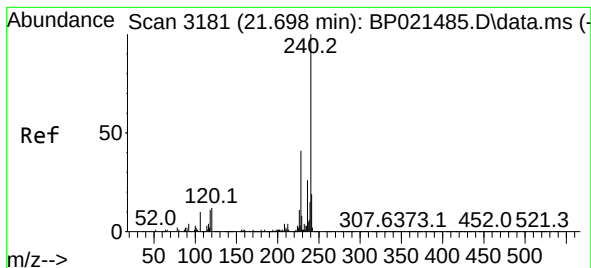
Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.0

203 18.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.716 min Scan# 3181

Delta R.T. 0.018 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

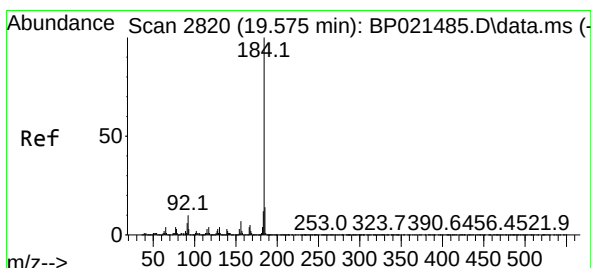
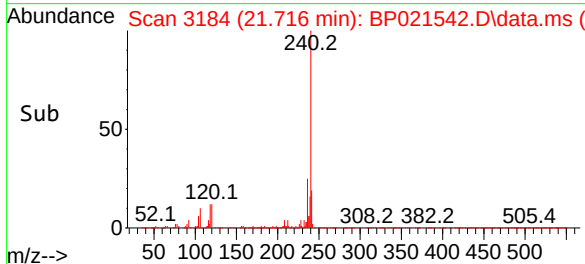
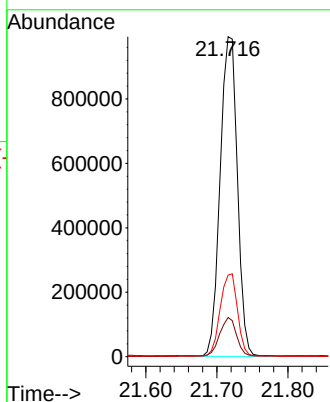
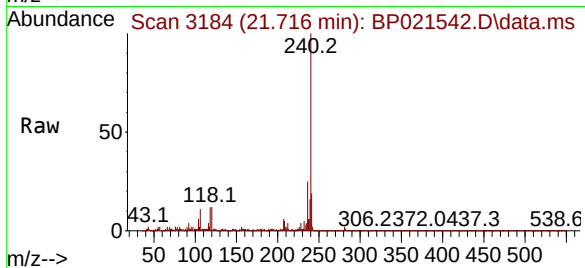
Tgt Ion:240 Resp: 1670991

Ion Ratio Lower Upper

240 100

120 12.3 9.9 14.9

236 25.5 20.6 30.8



#77

Benzidine

Concen: 4.582 ng

RT: 19.610 min Scan# 2826

Delta R.T. 0.035 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

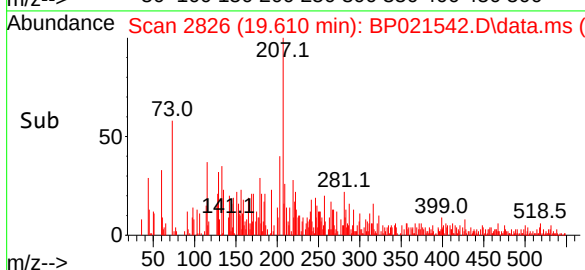
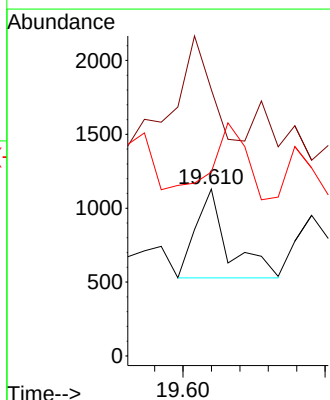
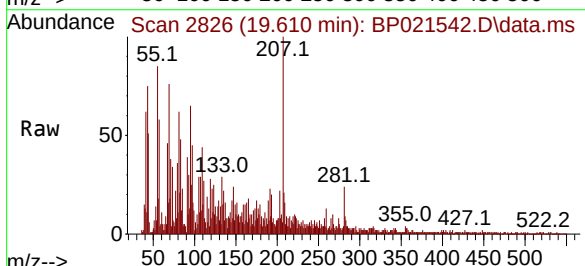
Tgt Ion:184 Resp: 480

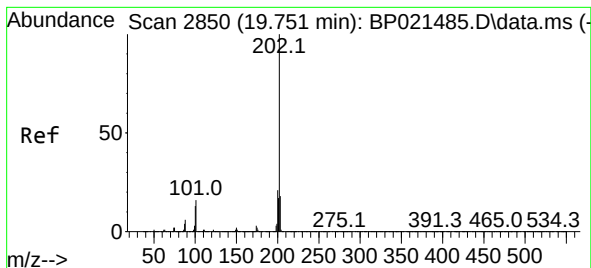
Ion Ratio Lower Upper

184 100

185 159.6 11.4 17.0#

183 110.1 9.3 13.9#





#78

Pyrene

Concen: 5.140 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.018 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

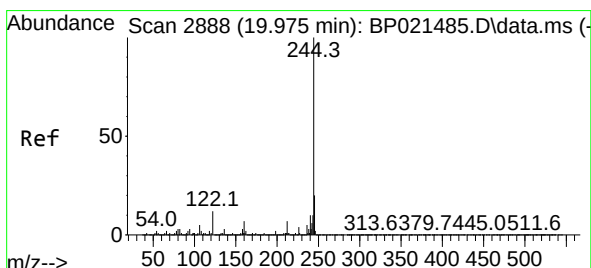
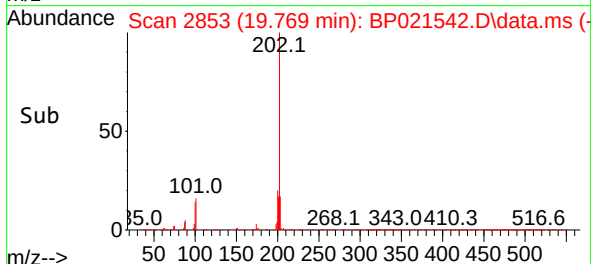
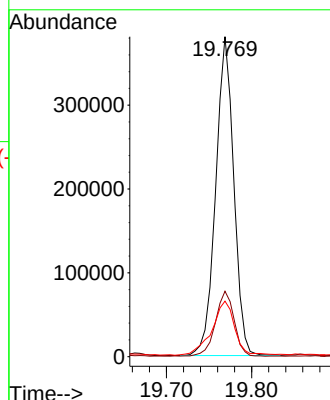
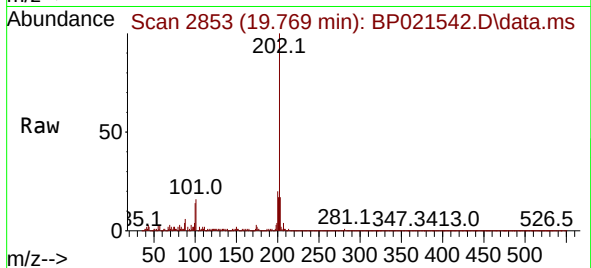
Tgt Ion:202 Resp: 561355

Ion Ratio Lower Upper

202 100

200 20.5 16.7 25.1

203 17.4 14.1 21.1



#79

Terphenyl-d14

Concen: 44.949 ng

RT: 19.986 min Scan# 2890

Delta R.T. 0.011 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

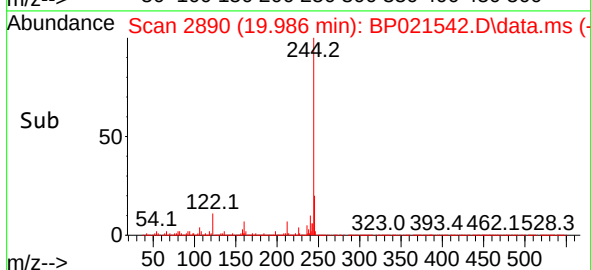
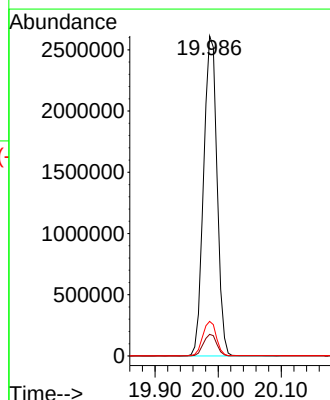
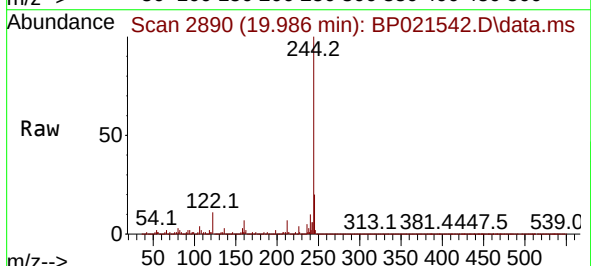
Tgt Ion:244 Resp: 3866216

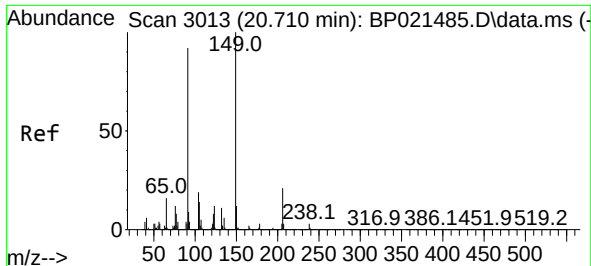
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.8 9.4 14.2

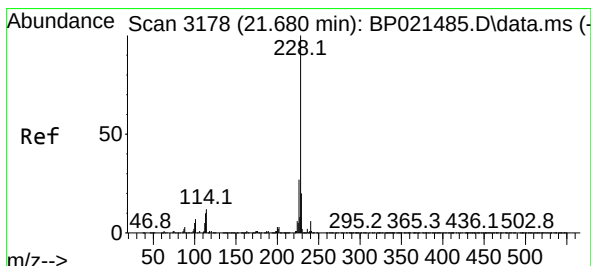
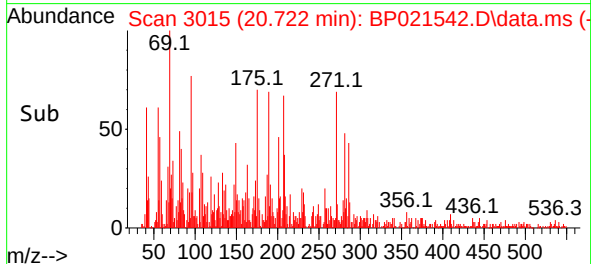
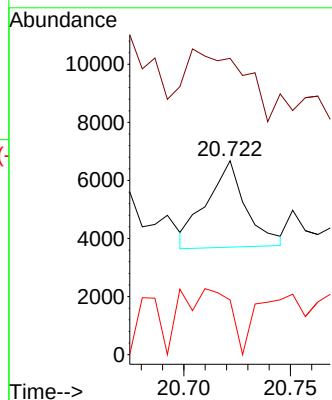
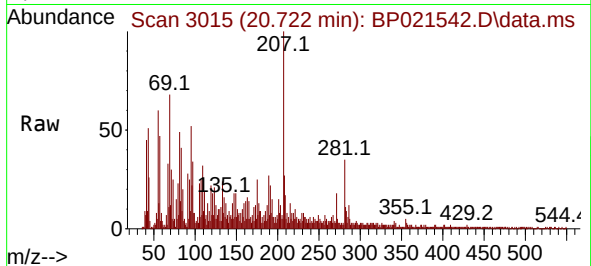




#80
Butylbenzylphthalate
Concen: 3.688 ng
RT: 20.722 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

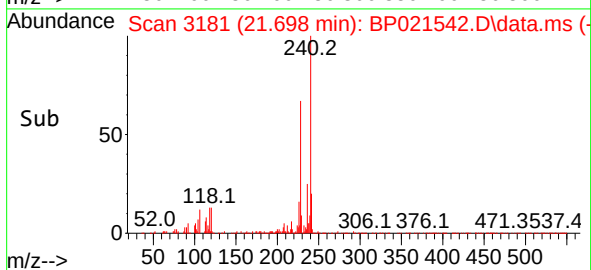
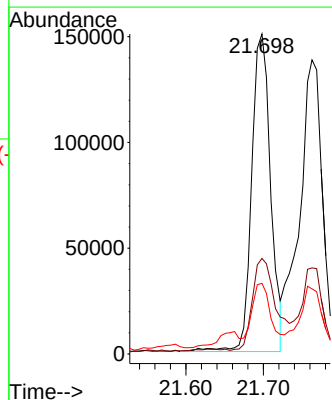
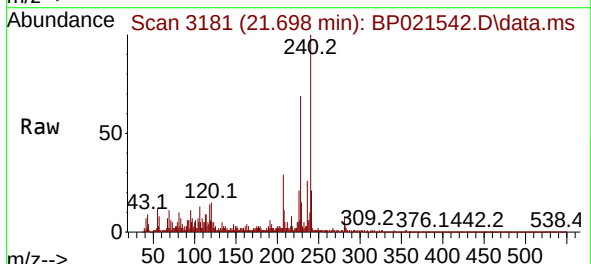
Instrument :
BNA_P
ClientSampleId :
OU4-TS-05-080724RE

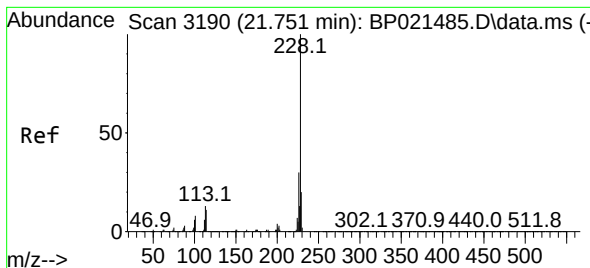
Tgt Ion:149 Resp: 3820
Ion Ratio Lower Upper
149 100
91 152.8 73.3 109.9#
206 28.3 17.1 25.7#



#81
Benzo(a)anthracene
Concen: 2.431 ng
RT: 21.698 min Scan# 3181
Delta R.T. 0.018 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:228 Resp: 255047
Ion Ratio Lower Upper
228 100
226 29.8 21.4 32.2
229 22.1 15.8 23.6





#83

Chrysene

Concen: 2.856 ng

RT: 21.763 min Scan# 3190

Delta R.T. 0.012 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

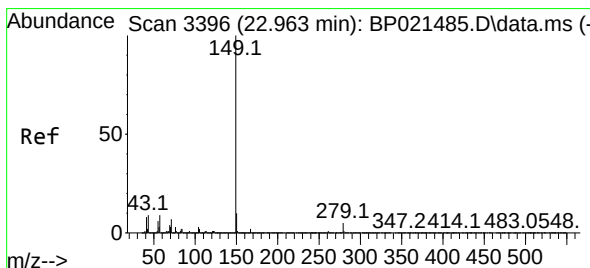
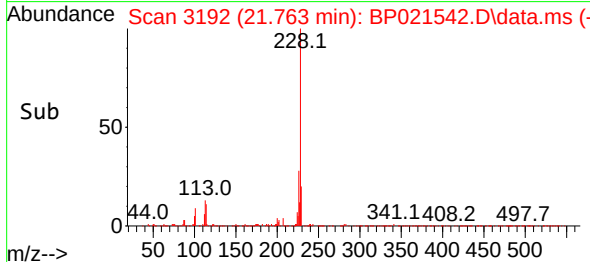
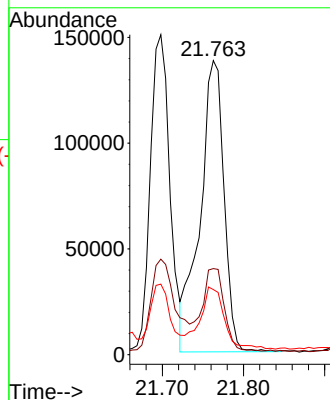
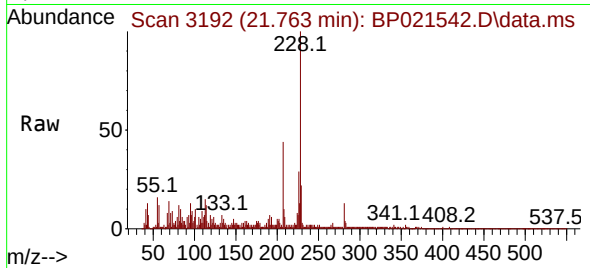
Tgt Ion:228 Resp: 282902

Ion Ratio Lower Upper

228 100

226 29.3 23.9 35.9

229 22.2 15.8 23.6



#85

Di-n-octyl phthalate

Concen: 4.850 ng

RT: 22.963 min Scan# 3396

Delta R.T. -0.000 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

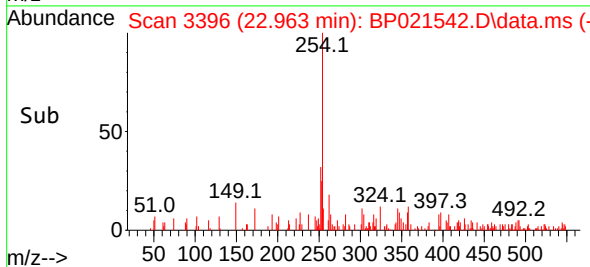
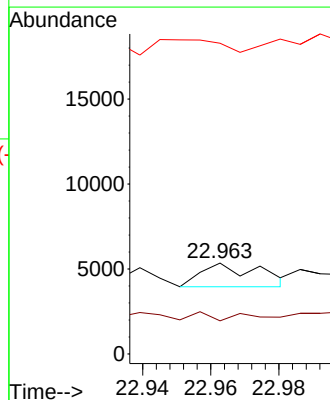
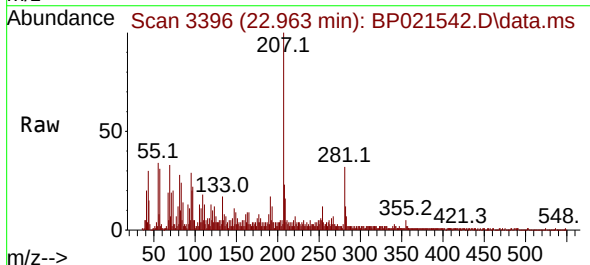
Tgt Ion:149 Resp: 1623

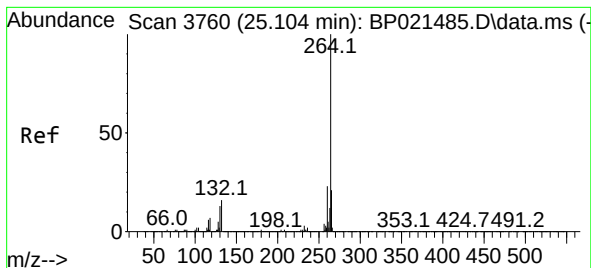
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 7.3 10.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.157 min Scan# 31

Delta R.T. 0.053 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

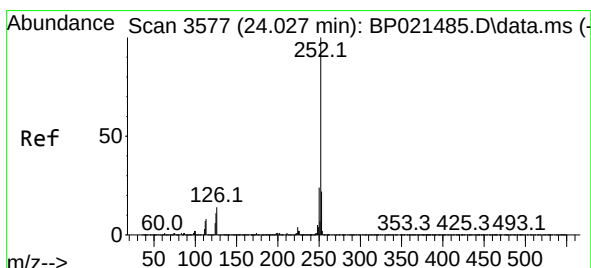
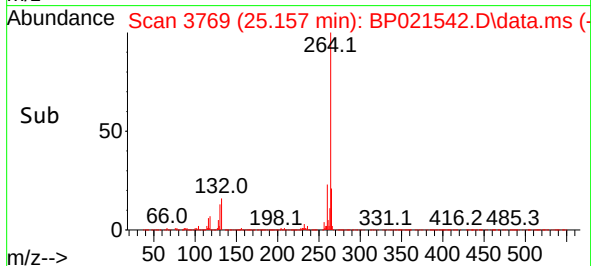
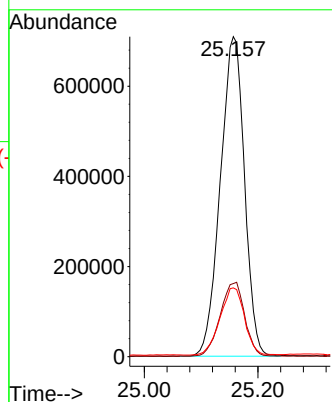
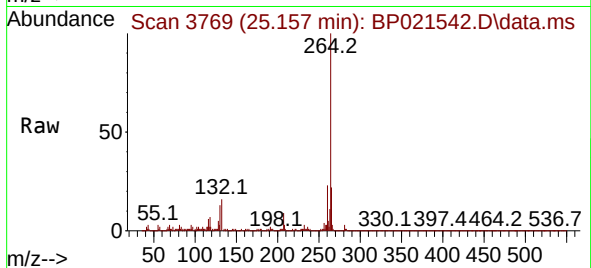
Tgt Ion:264 Resp: 2090847

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.5 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 3.452 ng

RT: 24.069 min Scan# 3584

Delta R.T. 0.041 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

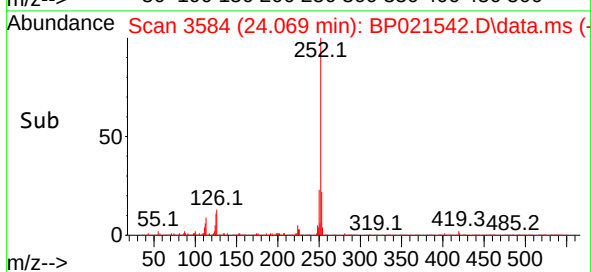
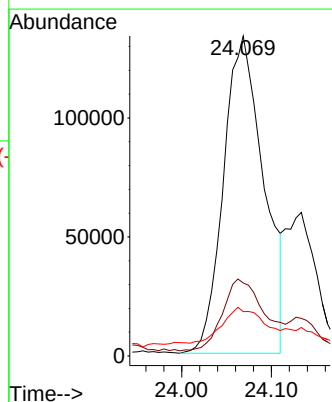
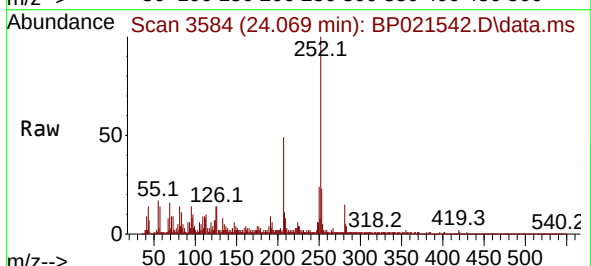
Tgt Ion:252 Resp: 414535

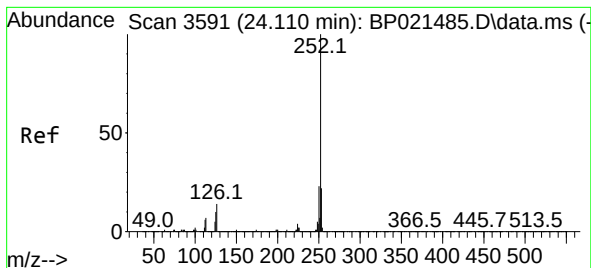
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 13.9 8.6 13.0#





#89

Benzo(k)fluoranthene

Concen: 3.539 ng

RT: 24.069 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

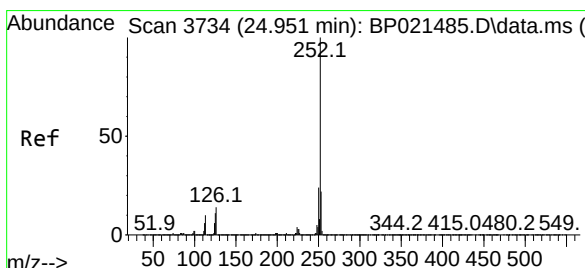
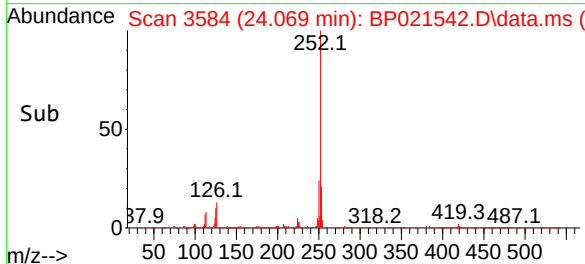
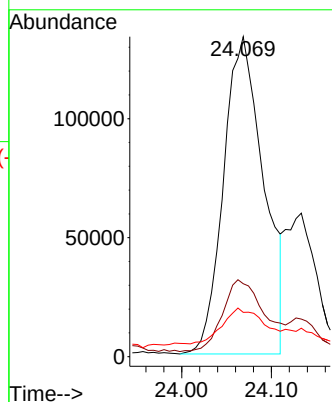
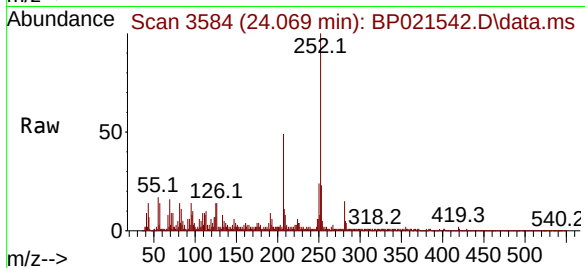
Tgt Ion:252 Resp: 414535

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 13.9 7.8 11.8#



#90

Benzo(a)pyrene

Concen: 2.651 ng

RT: 24.986 min Scan# 3740

Delta R.T. 0.035 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Tgt Ion:252 Resp: 276306

Ion Ratio Lower Upper

252 100

253 25.3 17.7 26.5

125 16.0 8.7 13.1#

