

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081624\
 Data File : BP021543.D
 Acq On : 16 Aug 2024 17:22
 Operator : RC/JU
 Sample : P3519-03RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-17-080724RE

Quant Time: Aug 16 18:08:10 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)

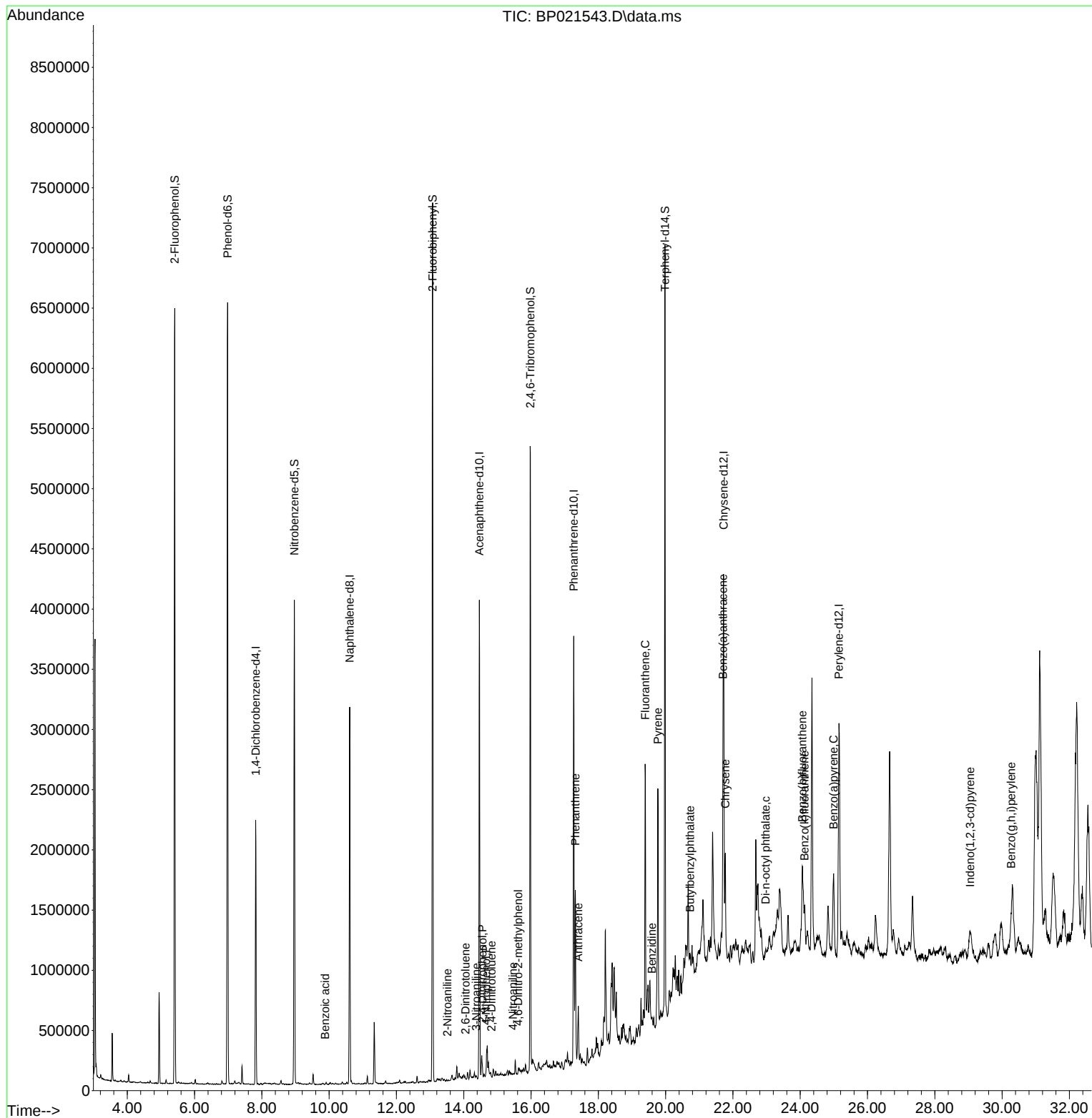
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	586383	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	2455992	20.000	ng	0.01
39) Acenaphthene-d10	14.463	164	1427841	20.000	ng	0.00
64) Phenanthrene-d10	17.269	188	2210596	20.000	ng	0.02
76) Chrysene-d12	21.722	240	1703396	20.000	ng	0.02
86) Perylene-d12	25.151	264	2165748	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	2974658	75.325	ng	0.02
7) Phenol-d6	6.981	99	4297609	74.601	ng	0.02
23) Nitrobenzene-d5	8.963	82	2584879	54.324	ng	0.01
42) 2,4,6-Tribromophenol	15.981	330	1045442	65.787	ng	0.01
45) 2-Fluorobiphenyl	13.075	172	4071323	43.517	ng	0.01
79) Terphenyl-d14	19.981	244	3154261	35.974	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.687	139	31	Below Cal	#	1
32) Benzoic acid	9.881	122	445	3.353	ng	# 33
48) 2-Nitroaniline	13.516	65	404	5.164	ng	# 60
51) 2,6-Dinitrotoluene	14.051	165	187	3.994	ng	# 65
53) 3-Nitroaniline	14.369	138	470	3.992	ng	# 42
54) 2,4-Dinitrophenol	14.557	184	183	2.482	ng	# 1
56) 4-Nitrophenol	14.663	139	635	5.116	ng	# 1
57) 2,4-Dinitrotoluene	14.822	165	343	5.035	ng	# 51
62) 4-Nitroaniline	15.463	138	212	2.945	ng	# 85
65) 4,6-Dinitro-2-methylph...	15.616	198	153	4.636	ng	# 1
71) Phenanthrene	17.316	178	990325	9.315	ng	100
72) Anthracene	17.404	178	257691	2.472	ng	99
75) Fluoranthene	19.392	202	1389563	10.653	ng	99
77) Benzidine	19.592	184	543	4.583	ng	# 1
78) Pyrene	19.769	202	1239309	11.131	ng	99
80) Butylbenzylphthalate	20.728	149	5617	3.725	ng	# 33
81) Benzo(a)anthracene	21.704	228	620105	5.799	ng	96
83) Chrysene	21.775	228	608032	6.023	ng	97
85) Di-n-octyl phthalate	22.974	149	942	4.844	ng	# 1
87) Indeno(1,2,3-cd)pyrene	29.051	276	460156	3.278	ng	# 87
88) Benzo(b)fluoranthene	24.063	252	833375	6.700	ng	# 95
89) Benzo(k)fluoranthene	24.127	252	277325	2.286	ng	# 92
90) Benzo(a)pyrene	24.992	252	672687	6.232	ng	# 95
92) Benzo(g,h,i)perylene	30.268	276	422980	3.618	ng	98

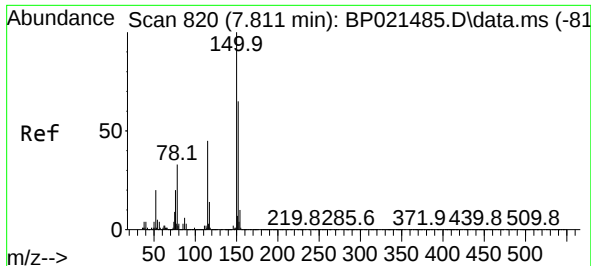
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
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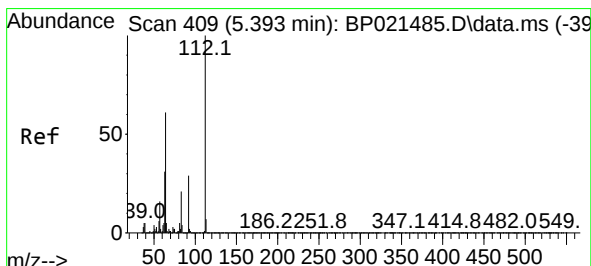
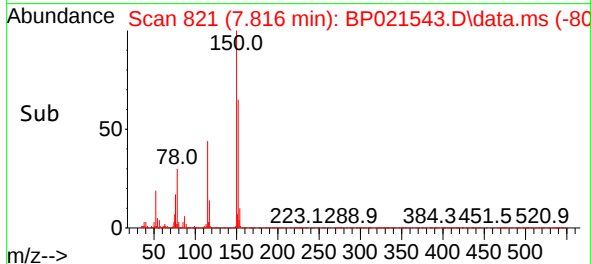
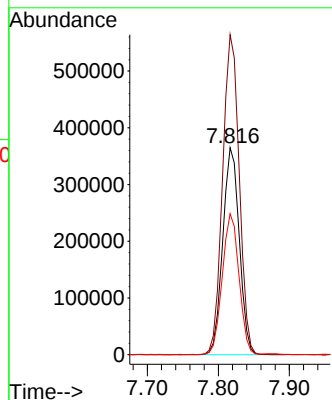
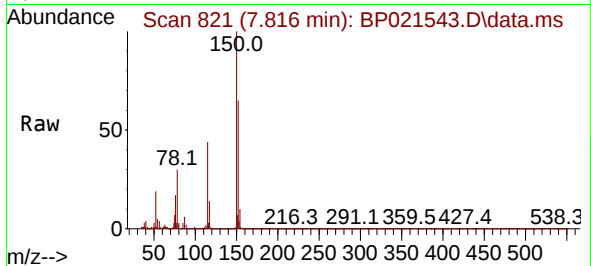




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. 0.005 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

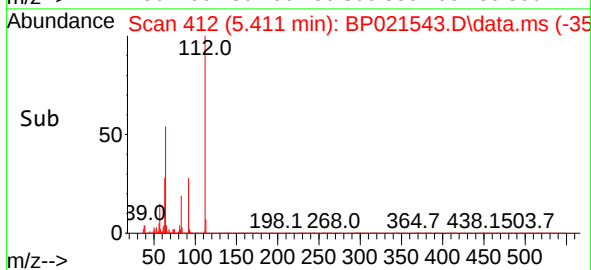
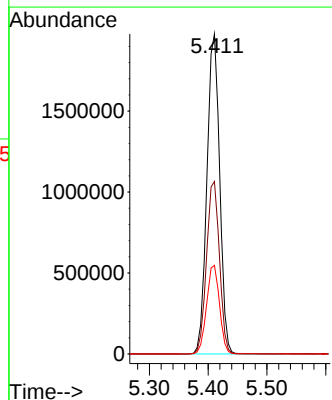
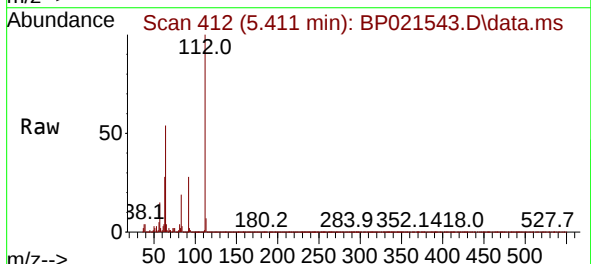
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE

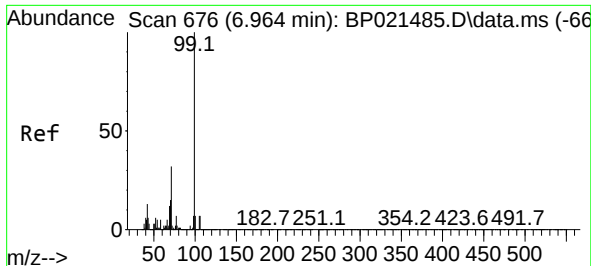
Tgt Ion:152 Resp: 586383
Ion Ratio Lower Upper
152 100
150 154.6 122.4 183.6
115 68.1 54.7 82.1



#5
2-Fluorophenol
Concen: 75.325 ng
RT: 5.411 min Scan# 412
Delta R.T. 0.018 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

Tgt Ion:112 Resp: 2974658
Ion Ratio Lower Upper
112 100
64 53.9 49.0 73.6
63 27.7 24.6 36.8

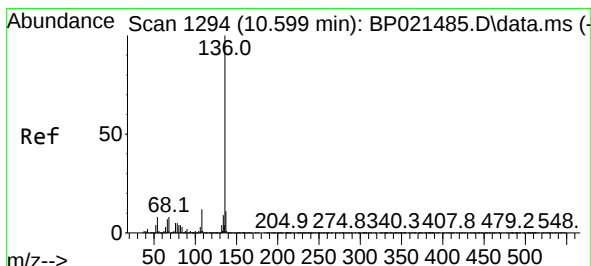
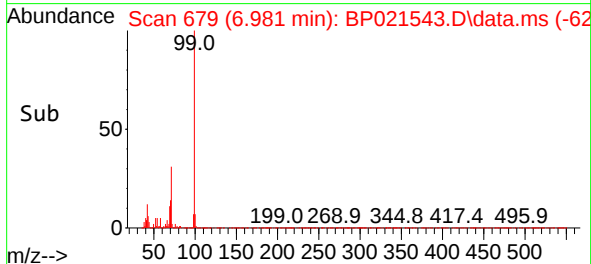
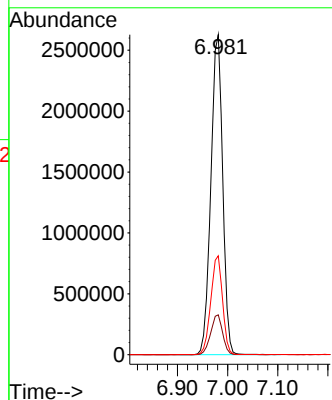
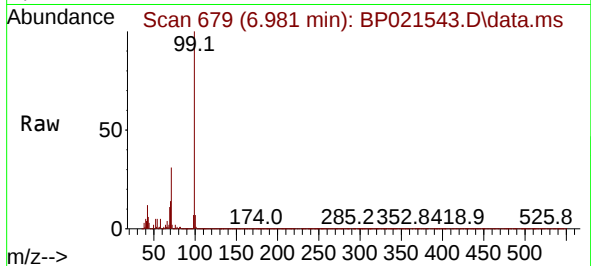




#7
Phenol-d6
Concen: 74.601 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

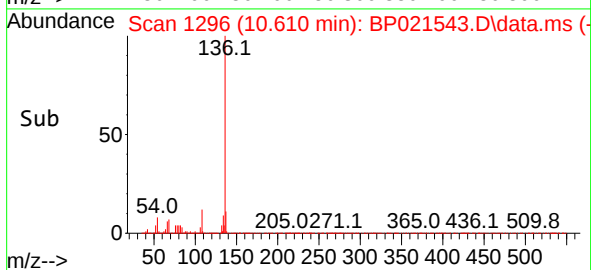
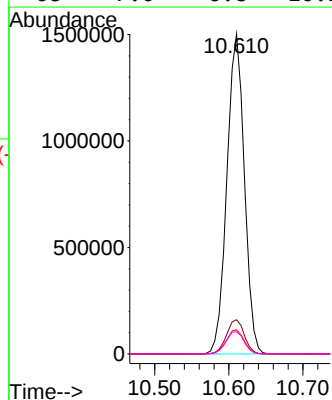
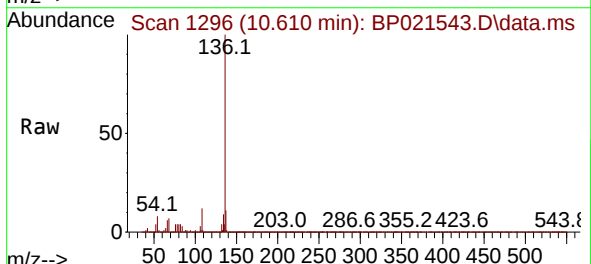
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE

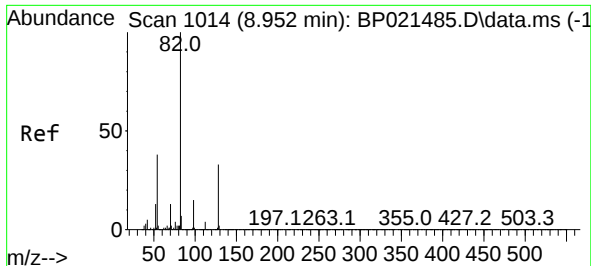
Tgt Ion: 99 Resp: 4297609
Ion Ratio Lower Upper
99 100
42 12.5 10.2 15.4
71 30.9 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1296
Delta R.T. 0.011 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

Tgt Ion:136 Resp: 2455992
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 6.3 9.5
68 7.0 6.8 10.2

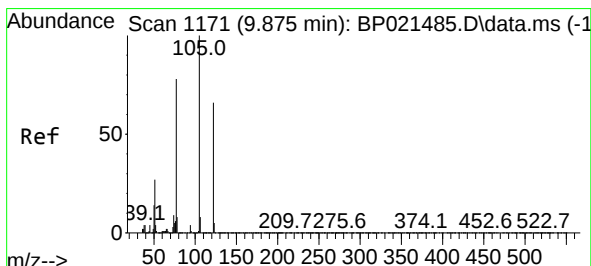
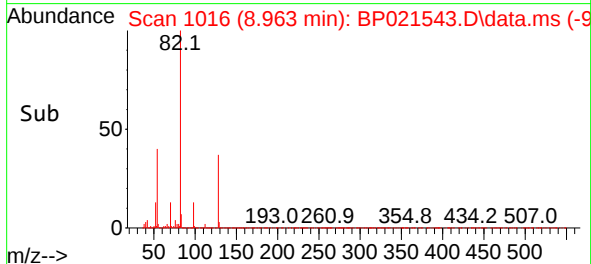
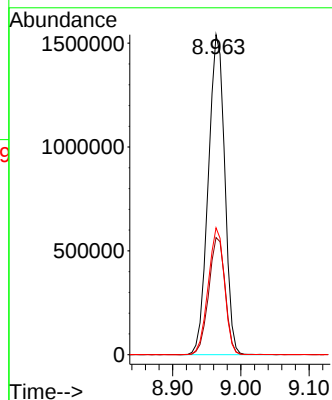
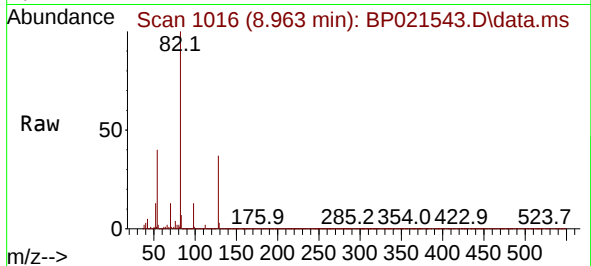




#23
Nitrobenzene-d5
Concen: 54.324 ng
RT: 8.963 min Scan# 1016
Delta R.T. 0.012 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

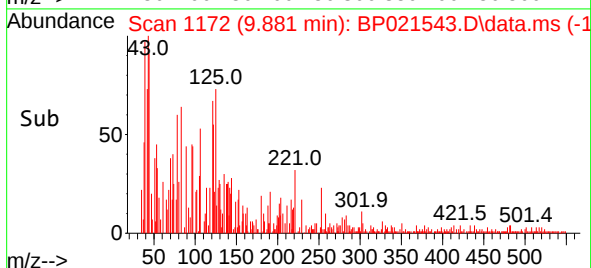
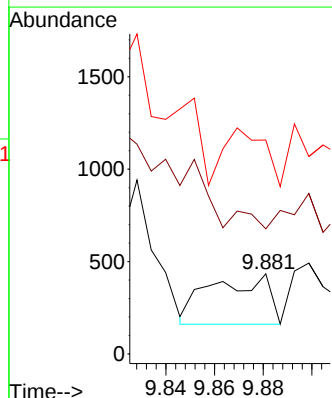
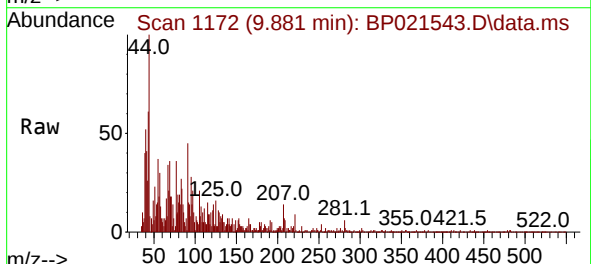
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE

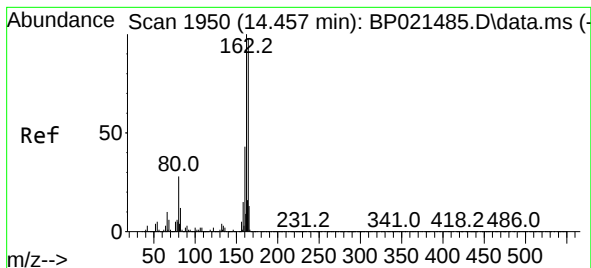
Tgt Ion: 82 Resp: 2584879
Ion Ratio Lower Upper
82 100
128 36.6 26.5 39.7
54 39.6 30.3 45.5



#32
Benzoic acid
Concen: 3.353 ng
RT: 9.881 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

Tgt Ion:122 Resp: 445
Ion Ratio Lower Upper
122 100
105 156.0 124.6 164.6
77 266.8 96.2 136.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1950

Delta R.T. 0.006 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

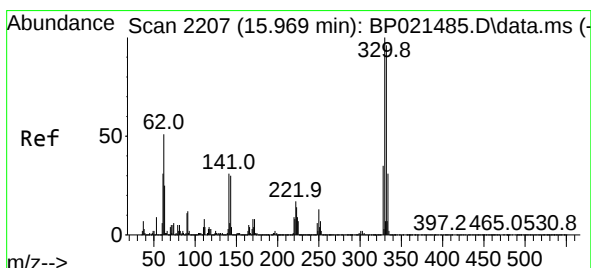
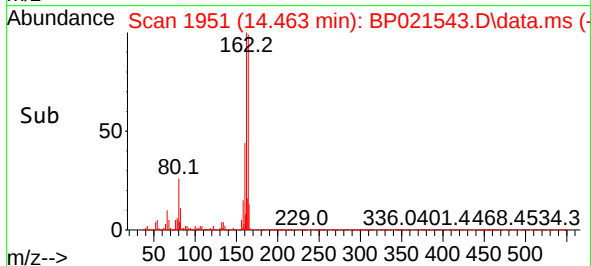
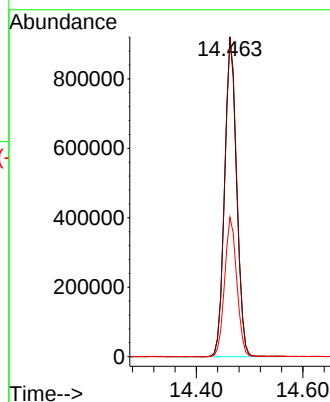
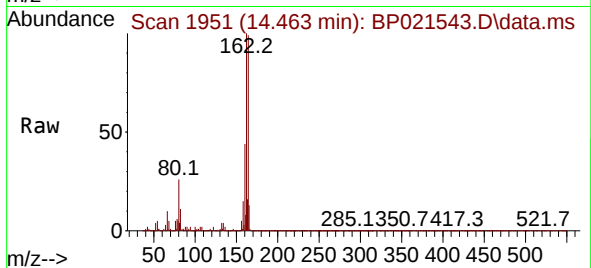
Tgt Ion:164 Resp: 1427841

Ion Ratio Lower Upper

164 100

162 100.6 81.5 122.3

160 43.8 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 65.787 ng

RT: 15.981 min Scan# 2209

Delta R.T. 0.012 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

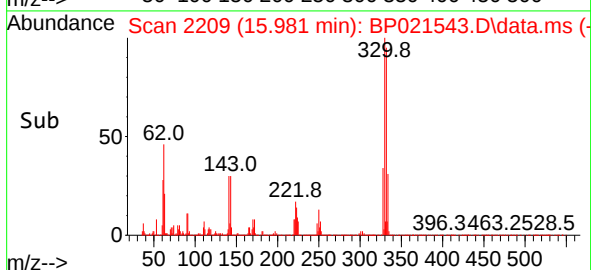
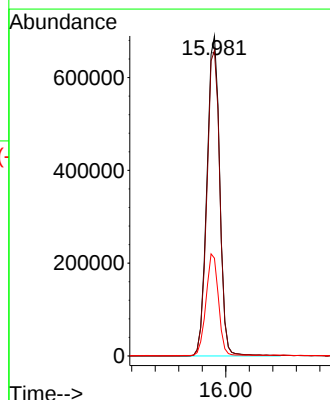
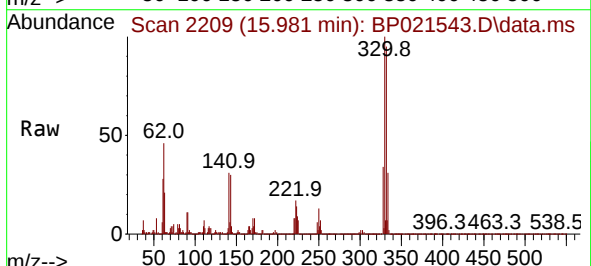
Tgt Ion:330 Resp: 1045442

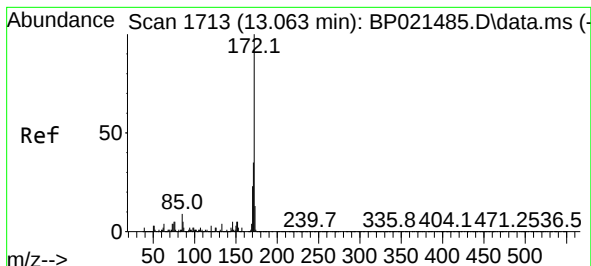
Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

141 31.0 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 43.517 ng

RT: 13.075 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

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ClientSampleId :

OU4-TS-17-080724RE

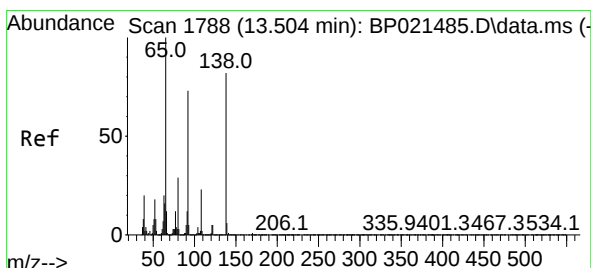
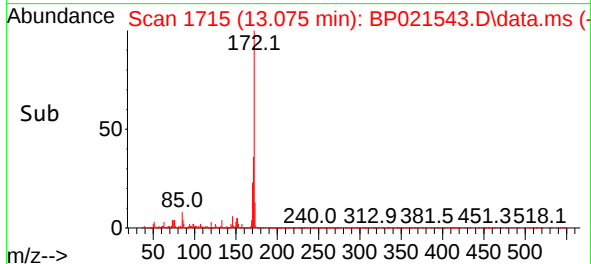
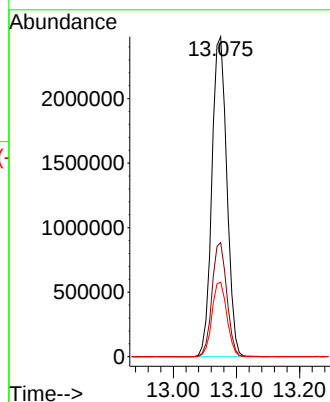
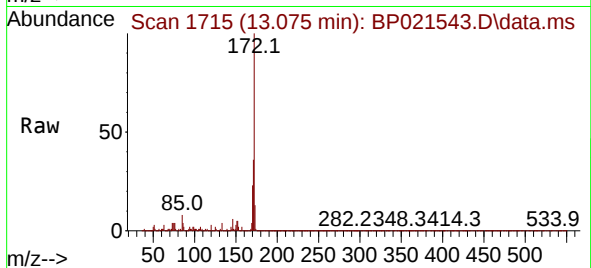
Tgt Ion:172 Resp: 4071323

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 23.3 18.4 27.6



#48

2-Nitroaniline

Concen: 5.164 ng

RT: 13.516 min Scan# 1790

Delta R.T. 0.012 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

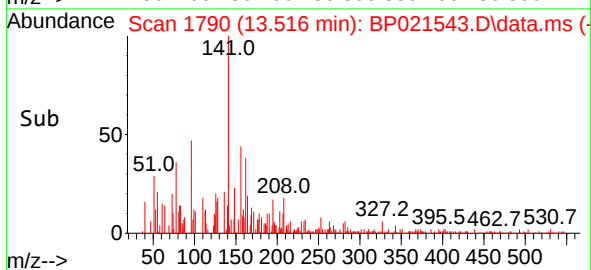
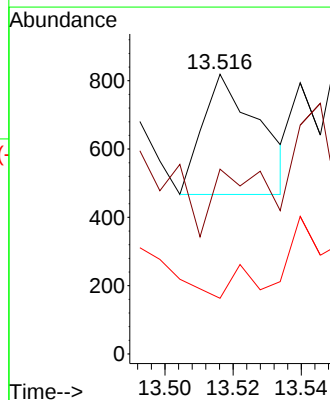
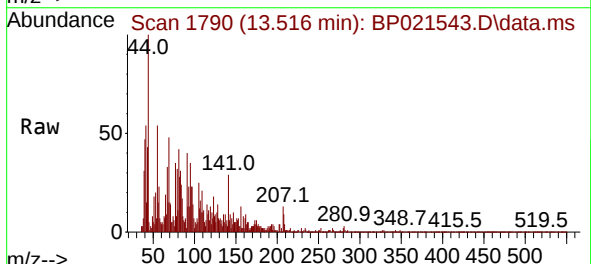
Tgt Ion: 65 Resp: 404

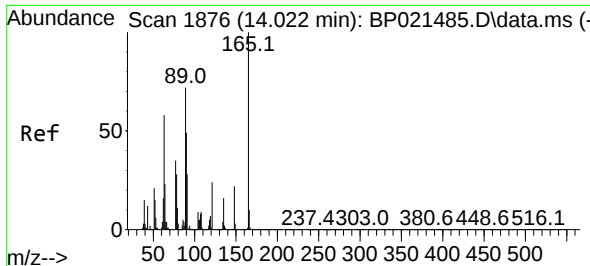
Ion Ratio Lower Upper

65 100

92 66.1 58.1 87.1

138 19.9 65.5 98.3#

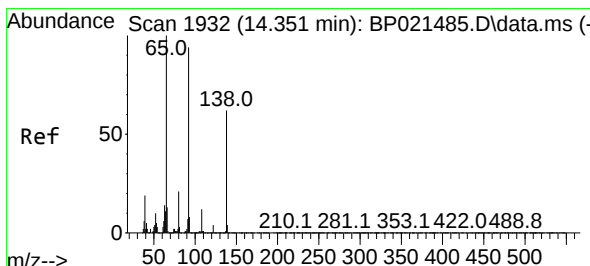
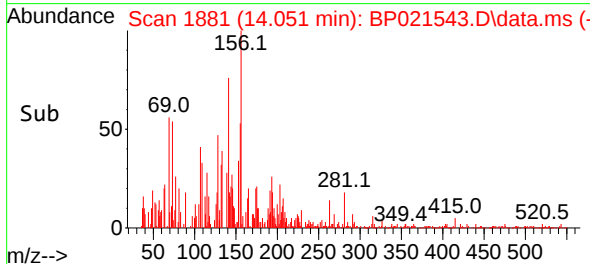
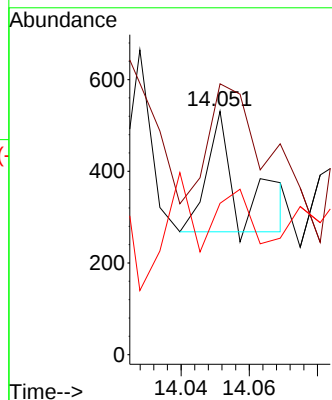
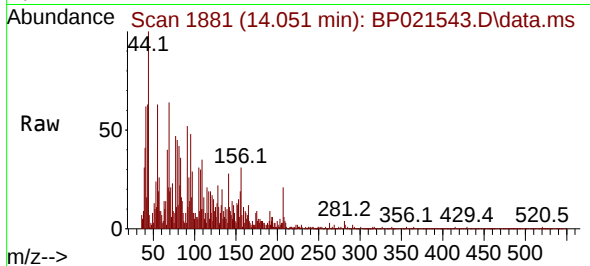




#51
2,6-Dinitrotoluene
Concen: 3.994 ng
RT: 14.051 min Scan# 1881
Delta R.T. 0.029 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

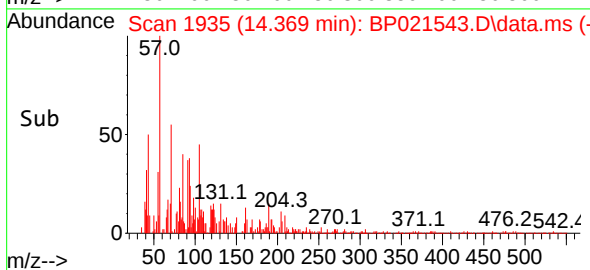
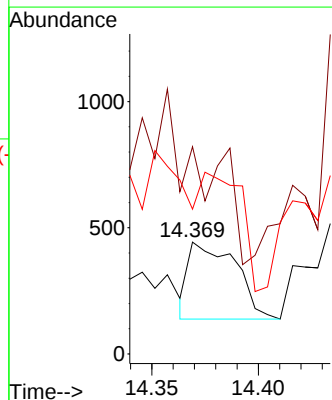
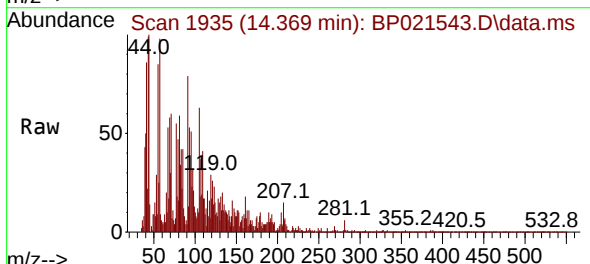
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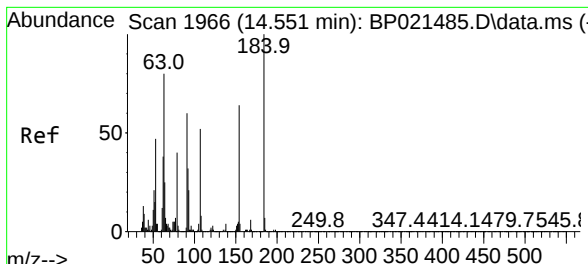
Tgt Ion:165 Resp: 187
Ion Ratio Lower Upper
165 100
63 111.3 51.5 77.3#
89 62.1 57.8 86.8



#53
3-Nitroaniline
Concen: 3.992 ng
RT: 14.369 min Scan# 1935
Delta R.T. 0.018 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

Tgt Ion:138 Resp: 470
Ion Ratio Lower Upper
138 100
108 185.3 16.2 24.4#
92 129.6 122.2 183.4

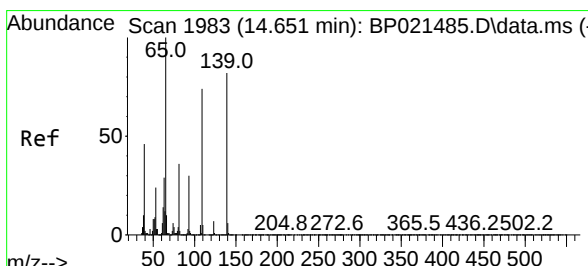
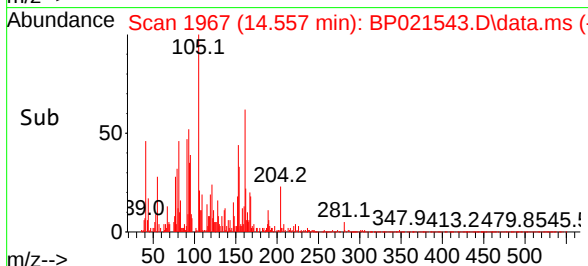
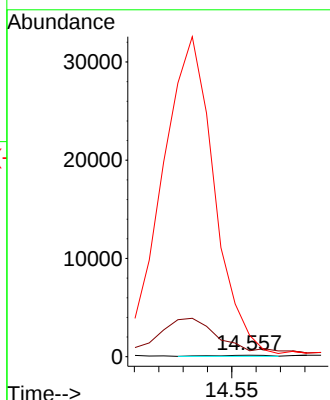
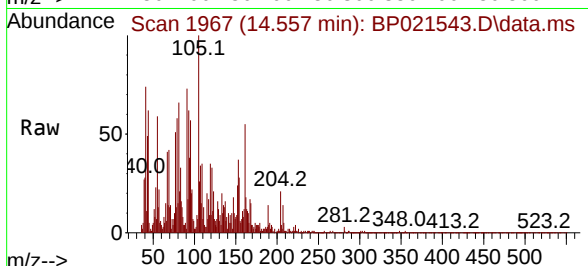




#54
2,4-Dinitrophenol
Concen: 2.482 ng
RT: 14.557 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

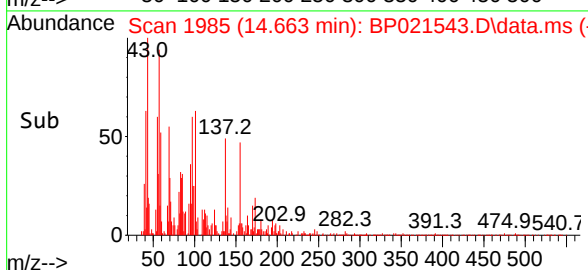
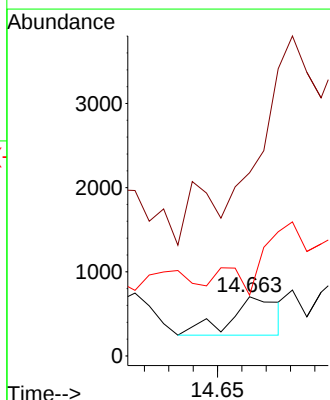
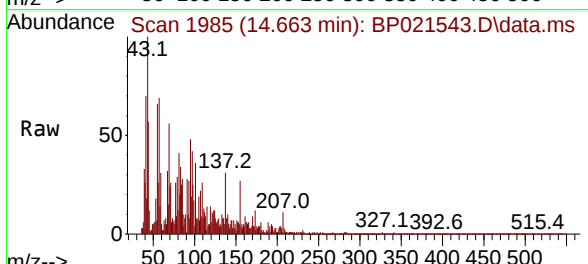
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE

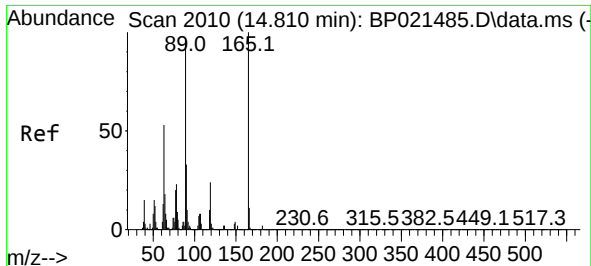
Tgt Ion:184 Resp: 183
Ion Ratio Lower Upper
184 100
63 397.4 64.9 97.3#
154 1447.7 52.1 78.1#



#56
4-Nitrophenol
Concen: 5.116 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.012 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

Tgt Ion:139 Resp: 635
Ion Ratio Lower Upper
139 100
109 309.5 70.2 110.2#
65 102.7 101.8 141.8

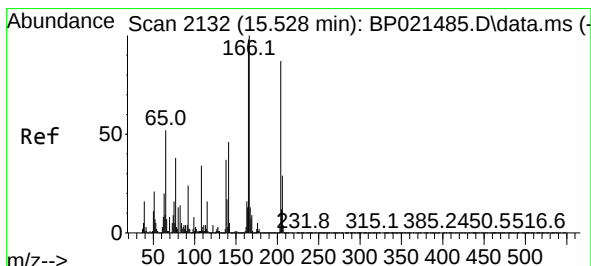
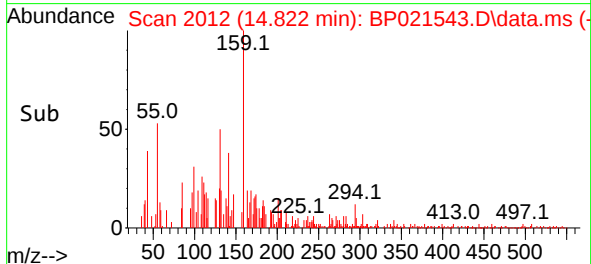
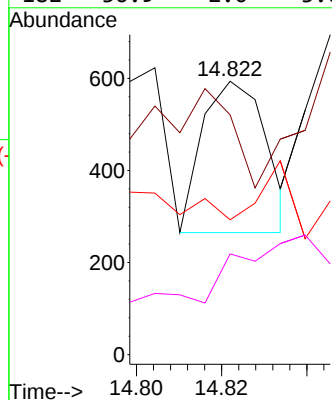
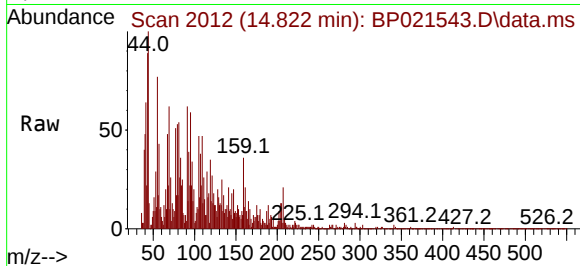




#57
2,4-Dinitrotoluene
Concen: 5.035 ng
RT: 14.822 min Scan# 2010
Delta R.T. 0.012 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

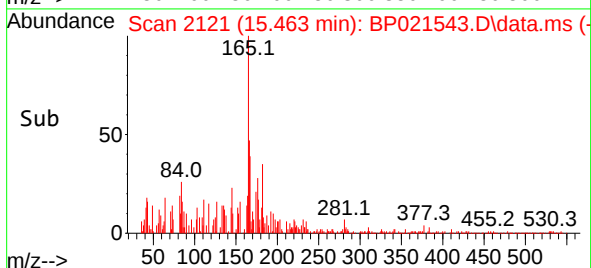
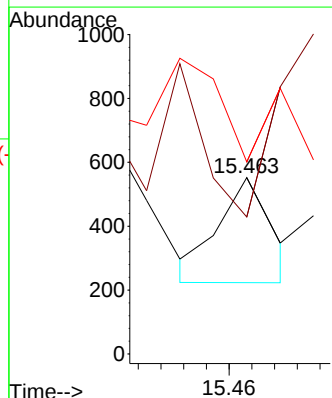
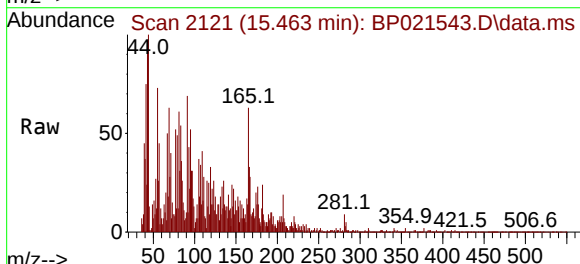
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE

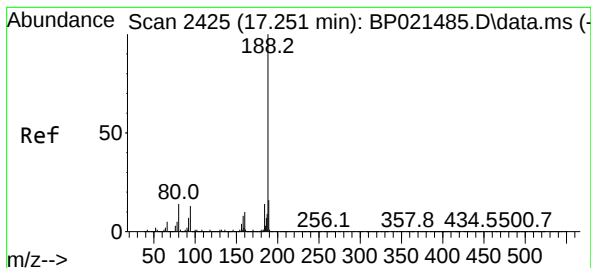
Tgt Ion:165 Resp: 343
Ion Ratio Lower Upper
165 100
63 87.7 42.5 63.7#
89 49.3 77.1 115.7#
182 36.9 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.945 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.065 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

Tgt Ion:138 Resp: 212
Ion Ratio Lower Upper
138 100
92 77.7 46.4 86.4
108 108.9 73.2 113.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.269 min Scan# 2425

Delta R.T. 0.018 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

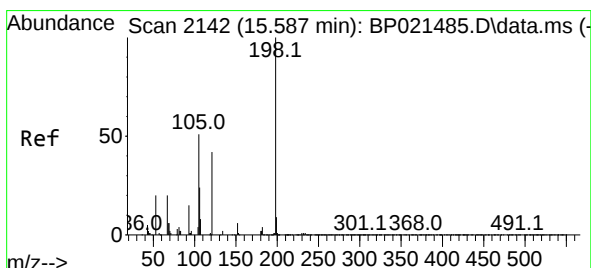
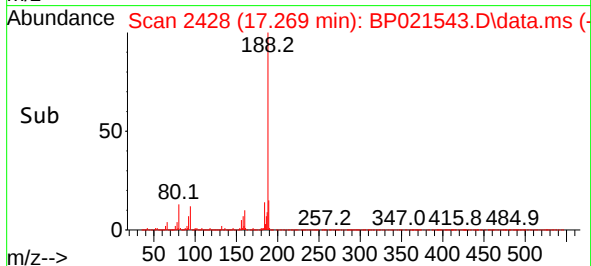
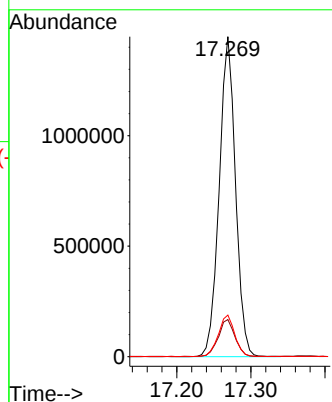
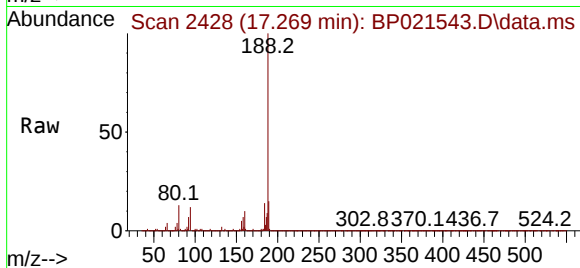
Tgt Ion:188 Resp: 2210596

Ion Ratio Lower Upper

188 100

94 11.6 10.2 15.4

80 13.0 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.636 ng

RT: 15.616 min Scan# 2147

Delta R.T. 0.029 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

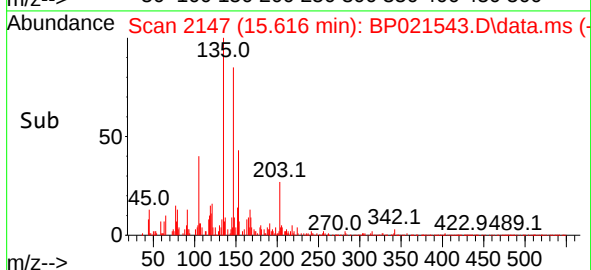
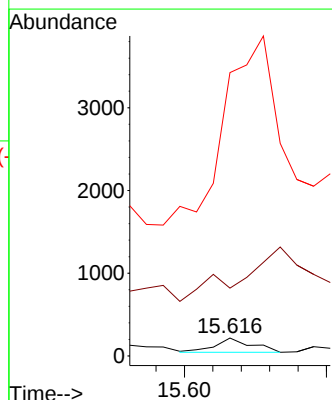
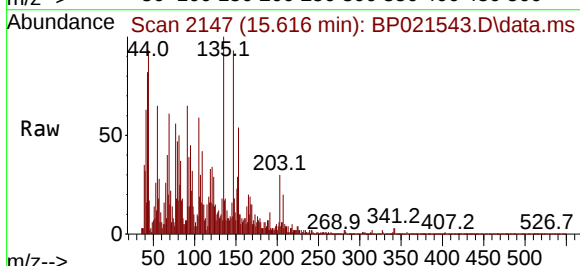
Tgt Ion:198 Resp: 153

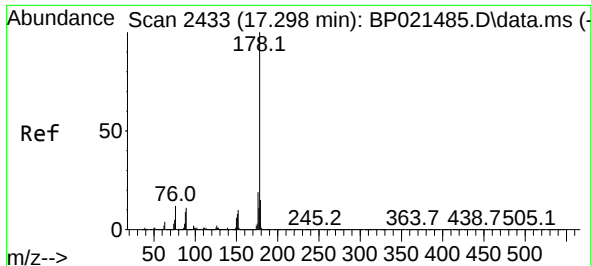
Ion Ratio Lower Upper

198 100

51 377.9 21.5 61.5#

105 1578.8 32.9 72.9#

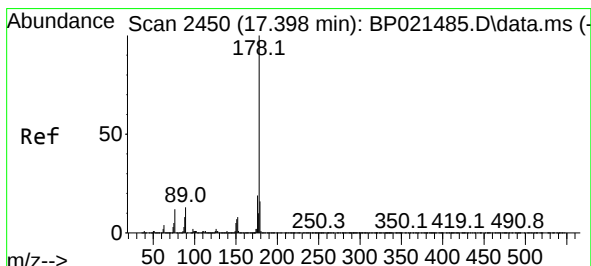
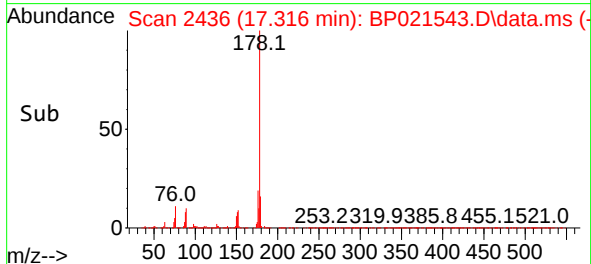
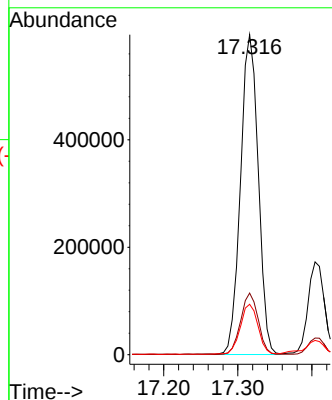
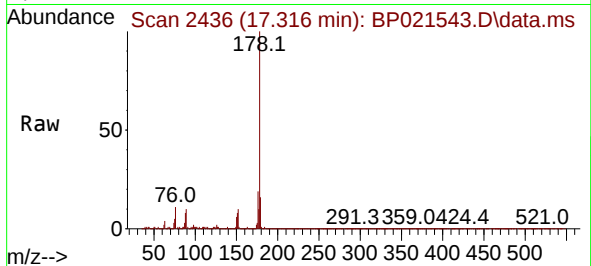




#71
Phenanthrene
Concen: 9.315 ng
RT: 17.316 min Scan# 2436
Delta R.T. 0.018 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

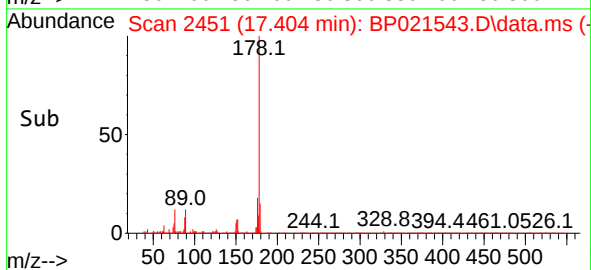
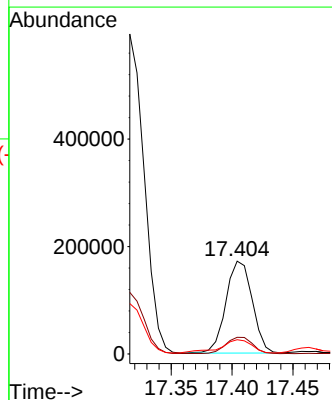
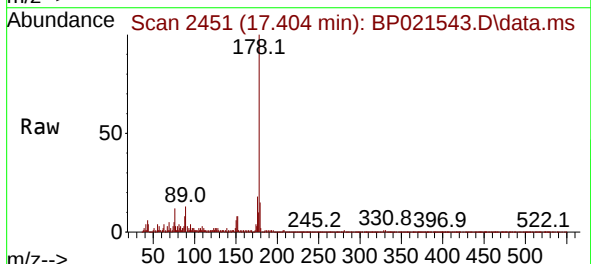
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE

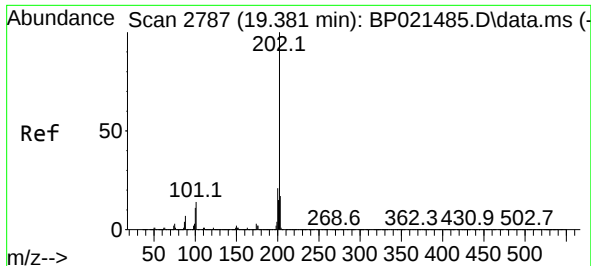
Tgt Ion:178 Resp: 990325
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.7 12.4 18.6



#72
Anthracene
Concen: 2.472 ng
RT: 17.404 min Scan# 2451
Delta R.T. 0.006 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

Tgt Ion:178 Resp: 257691
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 15.3 12.5 18.7

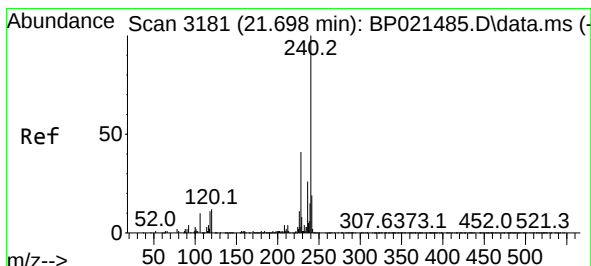
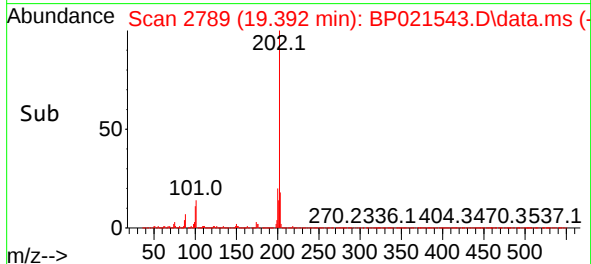
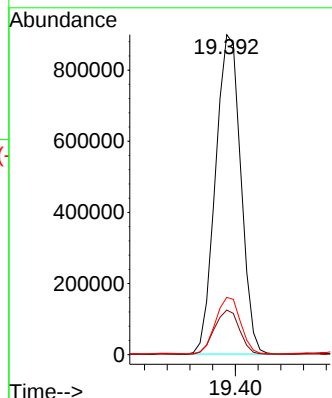
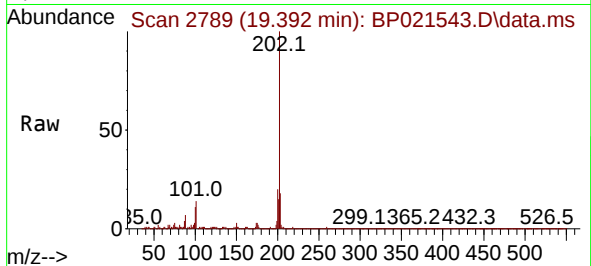




#75
Fluoranthene
Concen: 10.653 ng
RT: 19.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

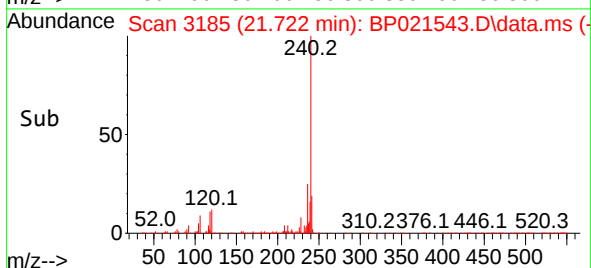
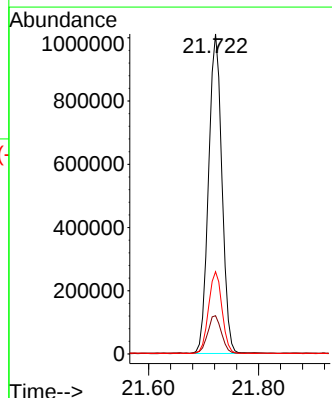
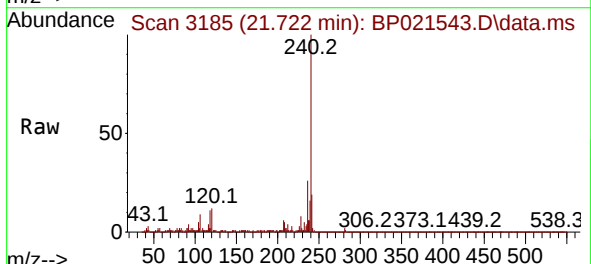
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE

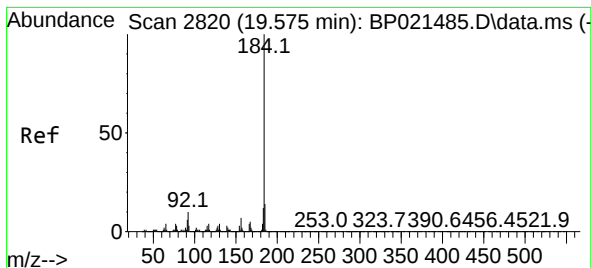
Tgt Ion:202 Resp: 1389563
Ion Ratio Lower Upper
202 100
101 14.0 0.0 34.0
203 17.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.722 min Scan# 3185
Delta R.T. 0.024 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

Tgt Ion:240 Resp: 1703396
Ion Ratio Lower Upper
240 100
120 11.9 9.9 14.9
236 25.7 20.6 30.8





#77

Benzidine

Concen: 4.583 ng

RT: 19.592 min Scan# 2823

Delta R.T. 0.017 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

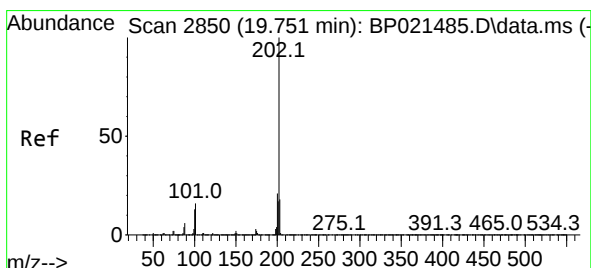
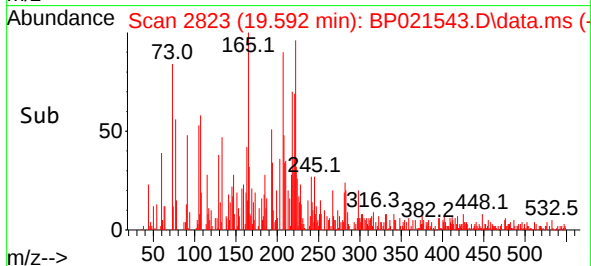
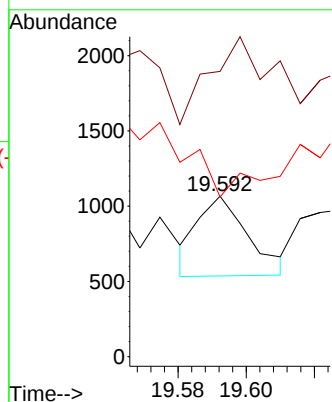
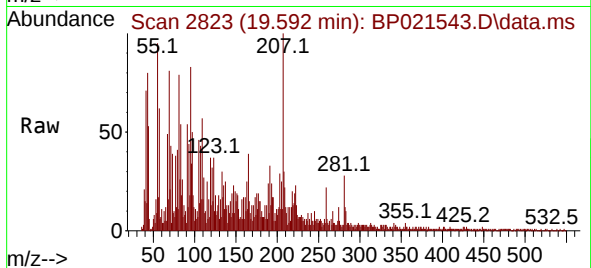
Tgt Ion:184 Resp: 543

Ion Ratio Lower Upper

184 100

185 177.8 11.4 17.0#

183 99.5 9.3 13.9#



#78

Pyrene

Concen: 11.131 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.018 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

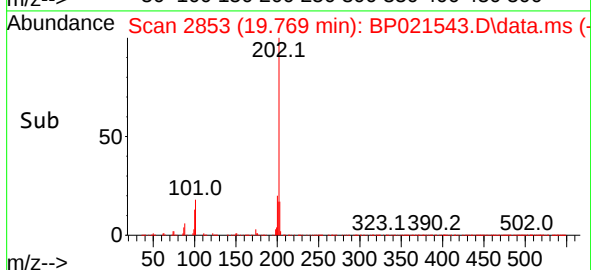
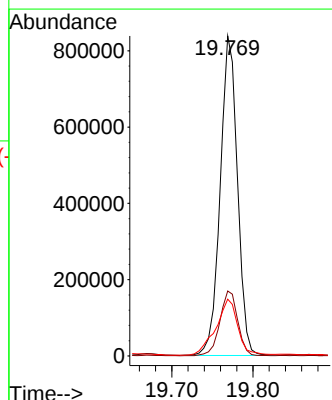
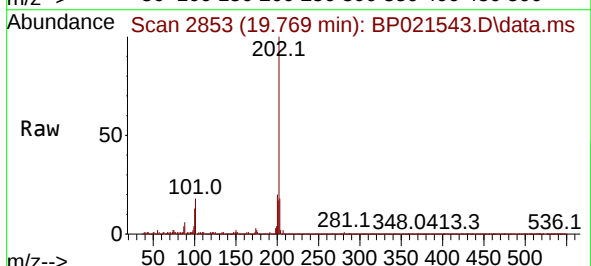
Tgt Ion:202 Resp: 1239309

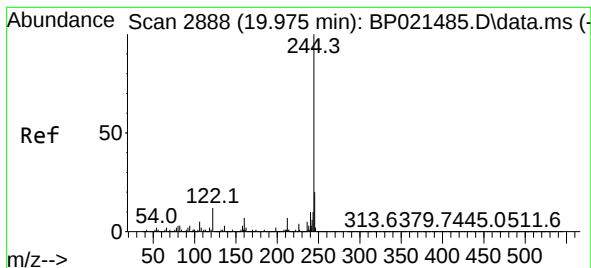
Ion Ratio Lower Upper

202 100

200 20.3 16.7 25.1

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 35.974 ng

RT: 19.981 min Scan# 2889

Delta R.T. 0.006 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

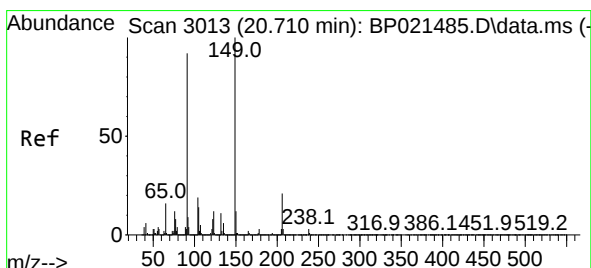
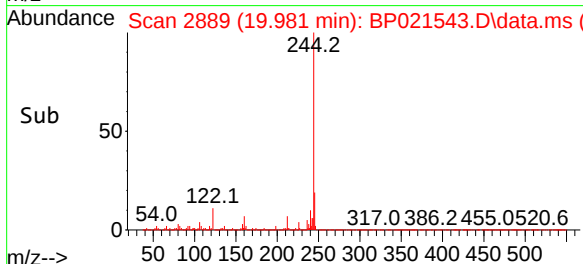
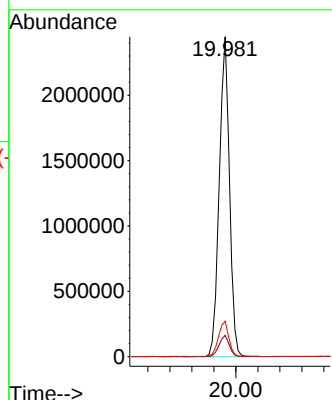
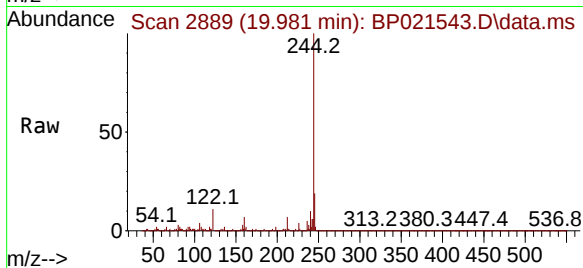
Tgt Ion:244 Resp: 3154261

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 11.1 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.725 ng

RT: 20.728 min Scan# 3016

Delta R.T. 0.018 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

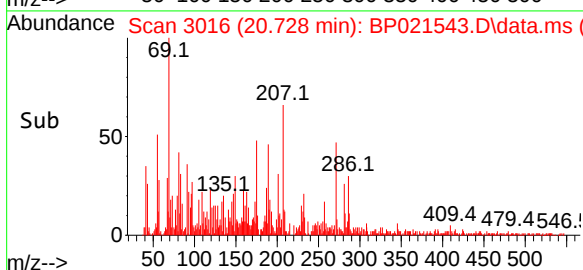
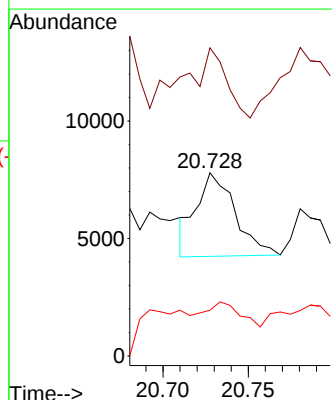
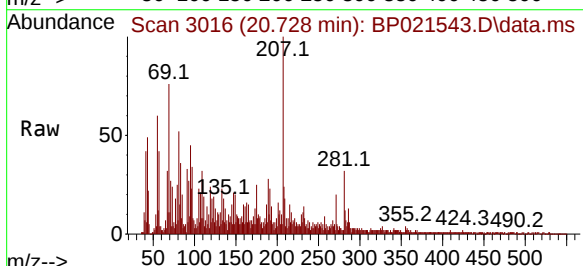
Tgt Ion:149 Resp: 5617

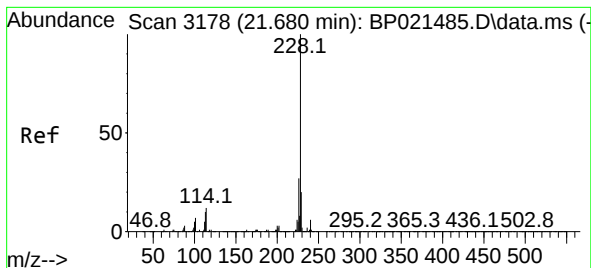
Ion Ratio Lower Upper

149 100

91 168.1 73.3 109.9#

206 24.9 17.1 25.7





#81

Benzo(a)anthracene

Concen: 5.799 ng

RT: 21.704 min Scan# 3182

Delta R.T. 0.024 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

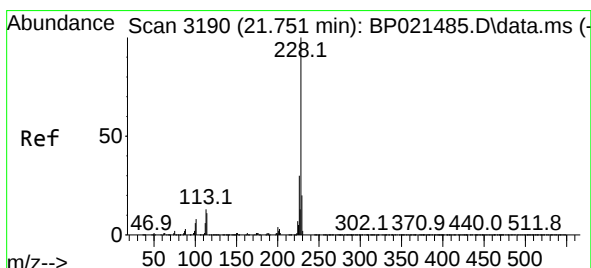
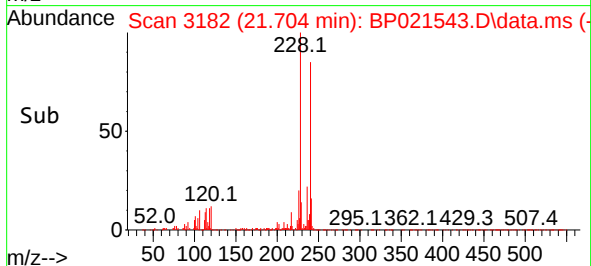
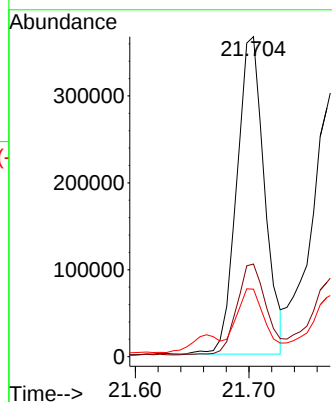
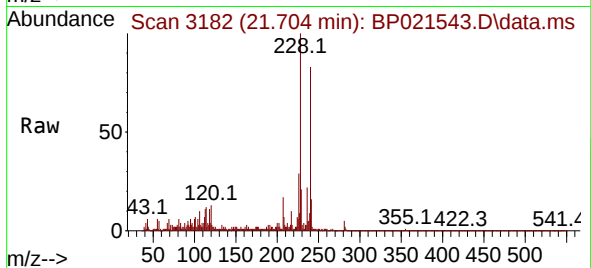
Tgt Ion:228 Resp: 620105

Ion Ratio Lower Upper

228 100

226 29.0 21.4 32.2

229 21.1 15.8 23.6



#83

Chrysene

Concen: 6.023 ng

RT: 21.775 min Scan# 3194

Delta R.T. 0.024 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

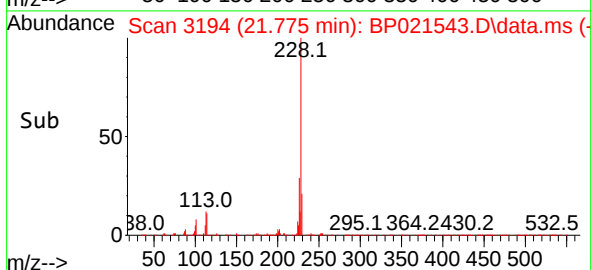
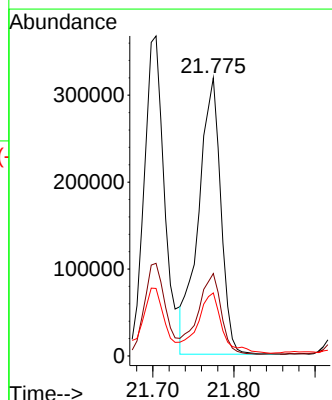
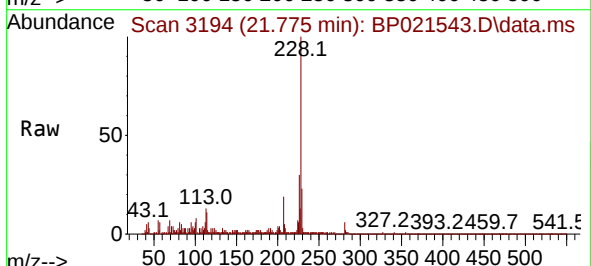
Tgt Ion:228 Resp: 608032

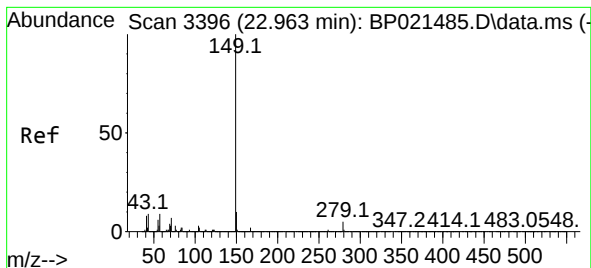
Ion Ratio Lower Upper

228 100

226 29.7 23.9 35.9

229 22.7 15.8 23.6





#85

Di-n-octyl phthalate

Concen: 4.844 ng

RT: 22.974 min Scan# 31

Delta R.T. 0.011 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

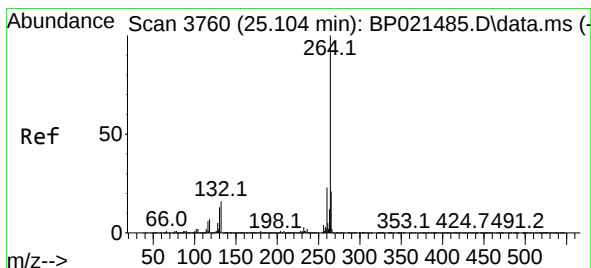
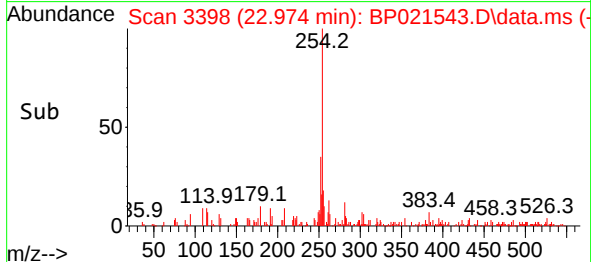
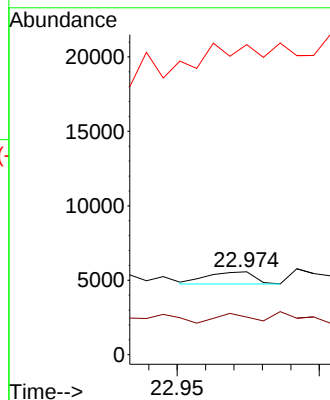
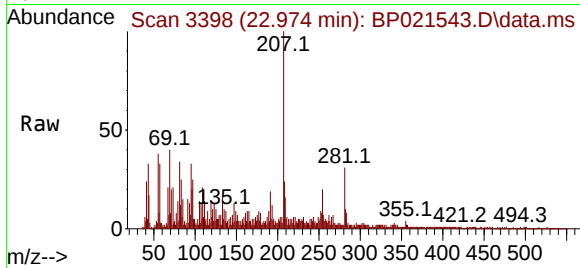
Tgt Ion:149 Resp: 942

Ion Ratio Lower Upper

149 100

167 57.4 1.3 1.9#

43 345.2 7.3 10.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.151 min Scan# 3768

Delta R.T. 0.047 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

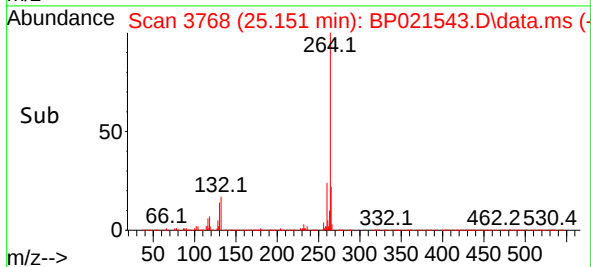
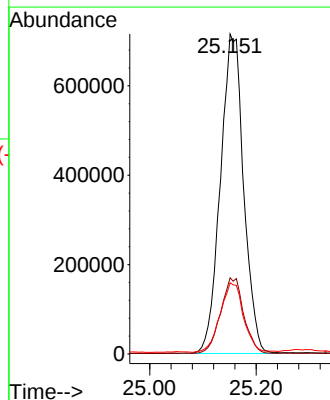
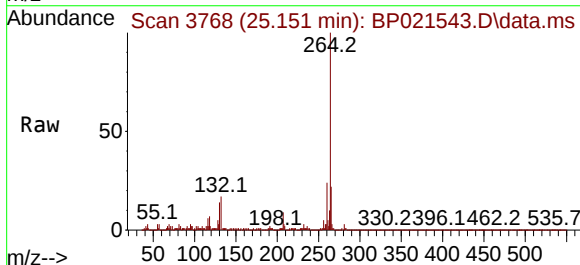
Tgt Ion:264 Resp: 2165748

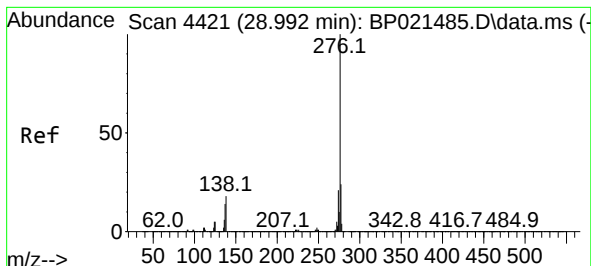
Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.278 ng

RT: 29.051 min Scan# 4421

Delta R.T. 0.059 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

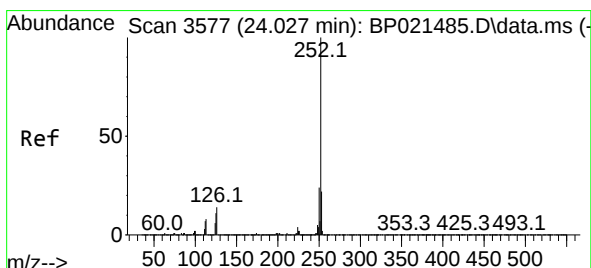
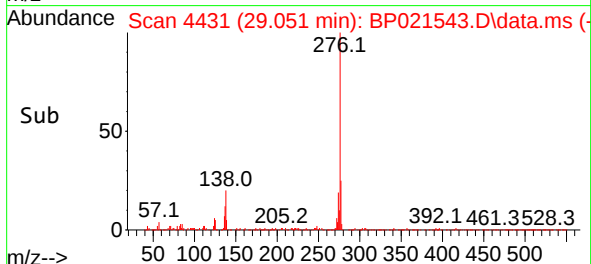
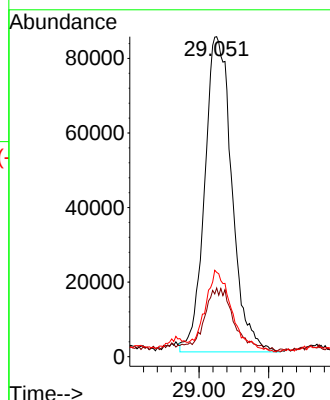
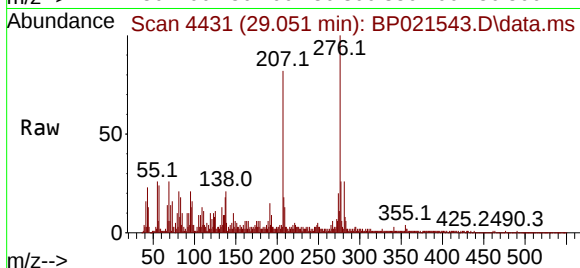
Tgt Ion:276 Resp: 460156

Ion Ratio Lower Upper

276 100

138 9.0 12.8 19.2#

277 25.6 16.5 24.7#



#88

Benzo(b)fluoranthene

Concen: 6.700 ng

RT: 24.063 min Scan# 3583

Delta R.T. 0.035 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

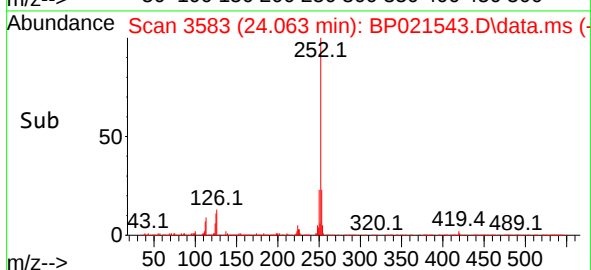
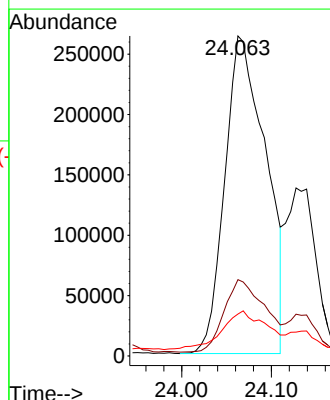
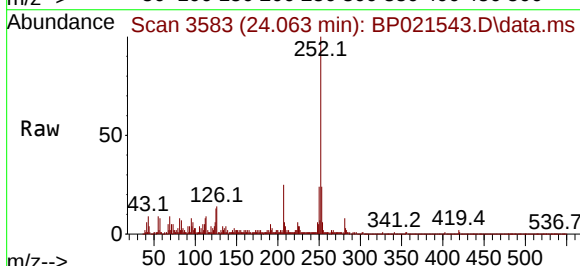
Tgt Ion:252 Resp: 833375

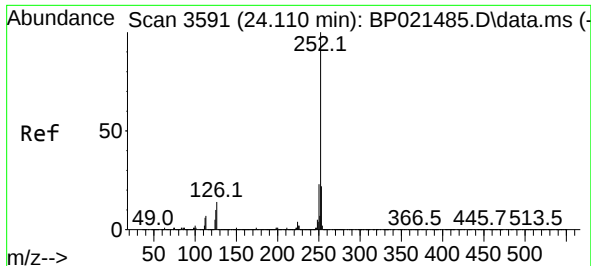
Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 13.1 8.6 13.0#

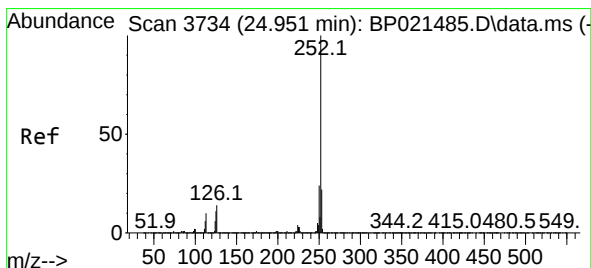
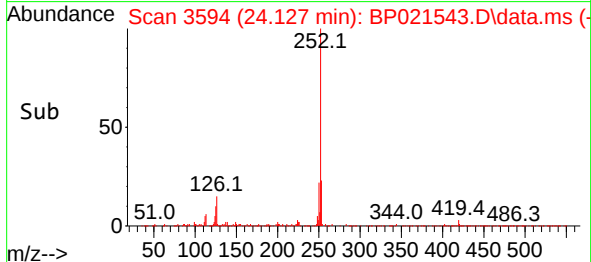
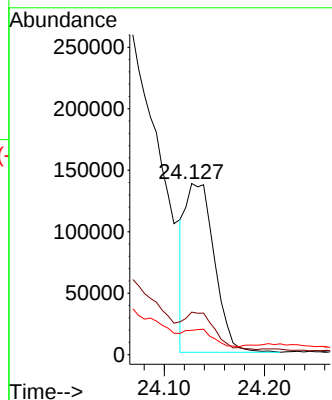
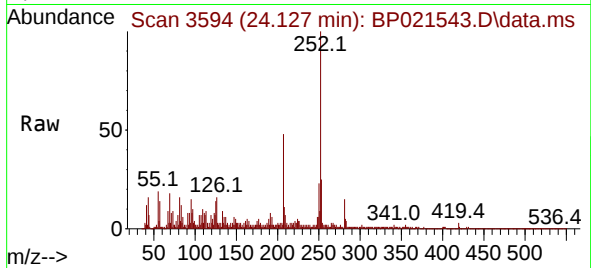




#89
Benzo(k)fluoranthene
Concen: 2.286 ng
RT: 24.127 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

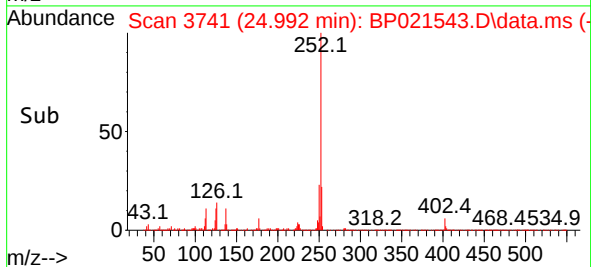
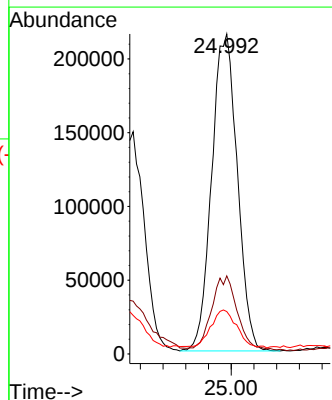
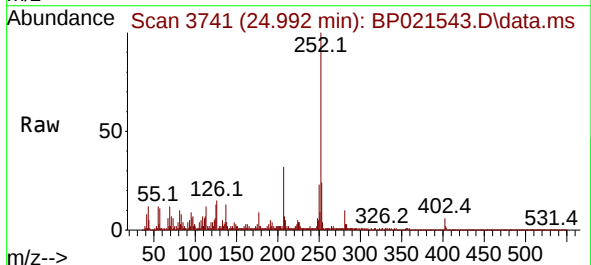
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE

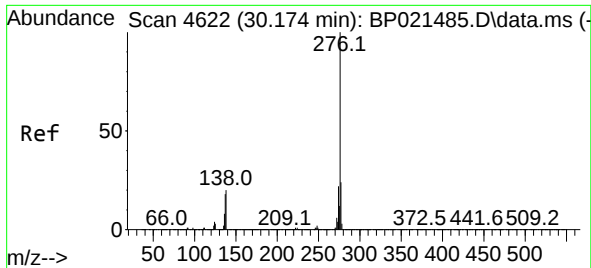
Tgt Ion:252 Resp: 277325
Ion Ratio Lower Upper
252 100
253 24.9 17.5 26.3
125 14.2 7.8 11.8#



#90
Benzo(a)pyrene
Concen: 6.232 ng
RT: 24.992 min Scan# 3741
Delta R.T. 0.041 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

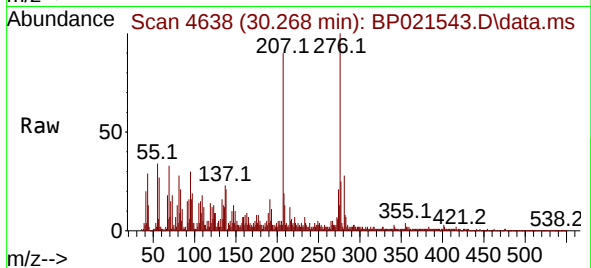
Tgt Ion:252 Resp: 672687
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 13.2 8.7 13.1#





#92
Benzo(g,h,i)perylene
Concen: 3.618 ng
RT: 30.268 min Scan# 4
Delta R.T. 0.094 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE



Tgt Ion:	276	Resp:	422980
Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.0	28.6
138	20.6	16.0	24.0

