

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081624\
 Data File : BP021540.D
 Acq On : 16 Aug 2024 15:12
 Operator : RC/JU
 Sample : P3518-05RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-03-080724RE

Quant Time: Aug 16 15:41:53 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)

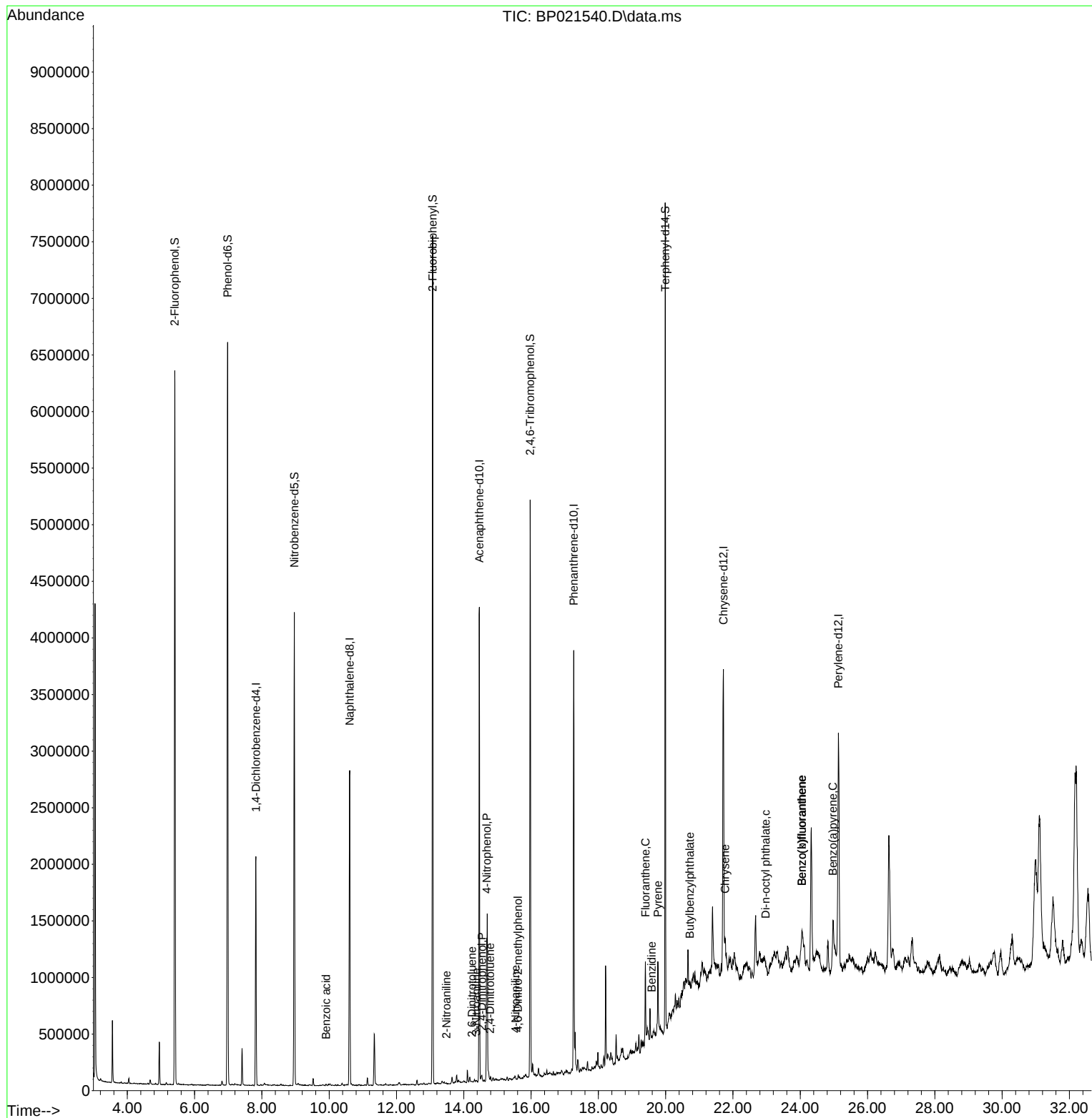
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	543985	20.000	ng	0.01
21) Naphthalene-d8	10.610	136	2309246	20.000	ng	0.01
39) Acenaphthene-d10	14.463	164	1337933	20.000	ng	0.00
64) Phenanthrene-d10	17.269	188	2187436	20.000	ng	0.02
76) Chrysene-d12	21.715	240	1743108	20.000	ng	0.02
86) Perylene-d12	25.133	264	2225455	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	2996653	81.797	ng	0.02
7) Phenol-d6	6.981	99	4380194	81.961	ng	0.02
23) Nitrobenzene-d5	8.963	82	2544197	56.867	ng	0.01
42) 2,4,6-Tribromophenol	15.975	330	1054660	70.827	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	3718495	42.416	ng	0.01
79) Terphenyl-d14	19.986	244	3375764	37.624	ng	0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.681	139	143	Below Cal	#	1
32) Benzoic acid	9.910	122	305	3.344	ng	# 73
48) 2-Nitroaniline	13.486	65	289	5.160	ng	# 52
51) 2,6-Dinitrotoluene	14.239	165	208	3.996	ng	# 93
53) 3-Nitroaniline	14.369	138	205	3.980	ng	# 48
54) 2,4-Dinitrophenol	14.539	184	69	2.451	ng	# 1
56) 4-Nitrophenol	14.681	139	1829	5.194	ng	# 1
57) 2,4-Dinitrotoluene	14.786	165	205	5.030	ng	# 75
62) 4-Nitroaniline	15.539	138	201	2.945	ng	# 56
65) 4,6-Dinitro-2-methylph...	15.610	198	184	4.642	ng	# 1
75) Fluoranthene	19.398	202	386670	2.996	ng	# 99
77) Benzidine	19.586	184	757	4.587	ng	# 1
78) Pyrene	19.768	202	356920	3.133	ng	# 98
80) Butylbenzylphthalate	20.721	149	4297	3.694	ng	# 35
83) Chrysene	21.768	228	235780	2.282	ng	# 94
85) Di-n-octyl phthalate	22.974	149	1079	4.845	ng	# 78
88) Benzo(b)fluoranthene	24.051	252	381660	2.986	ng	# 92
89) Benzo(k)fluoranthene	24.051	252	381660	3.061	ng	# 91
90) Benzo(a)pyrene	24.974	252	291358	2.627	ng	# 92

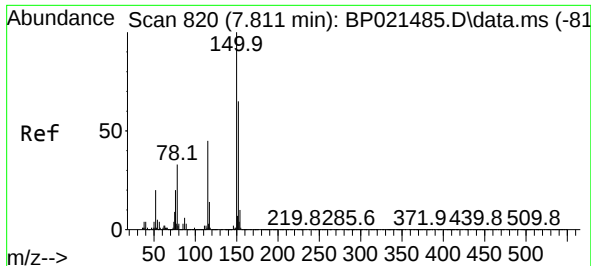
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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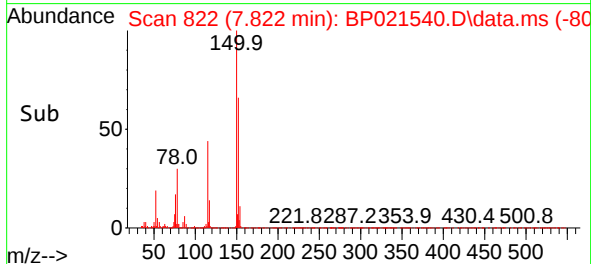
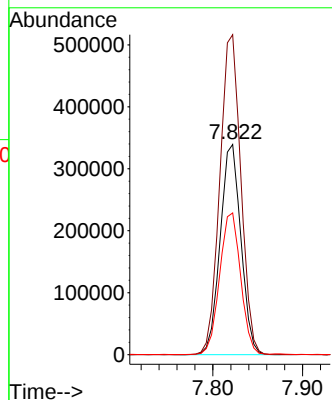
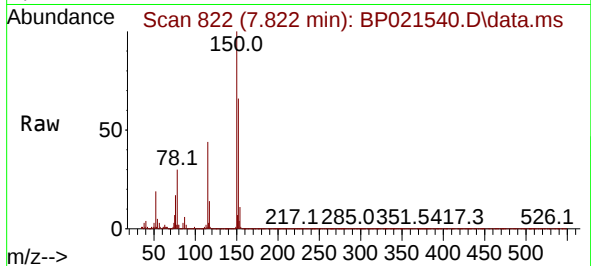




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. 0.011 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

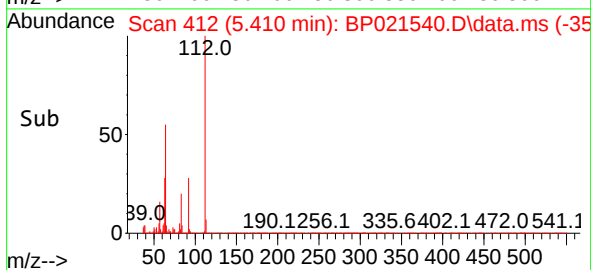
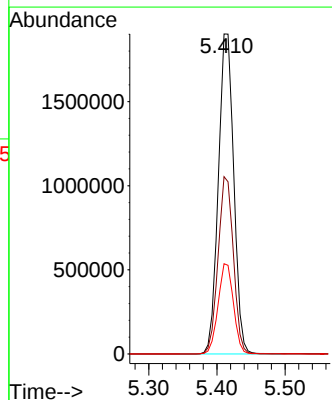
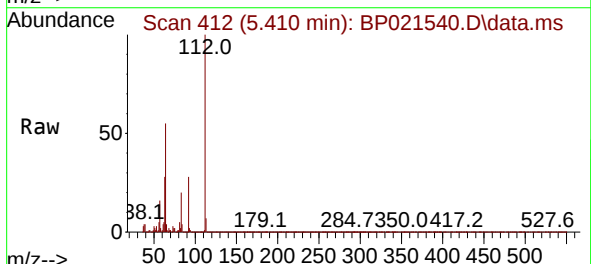
Instrument :
BNA_P
ClientSampleId :
OU4-TS-03-080724RE

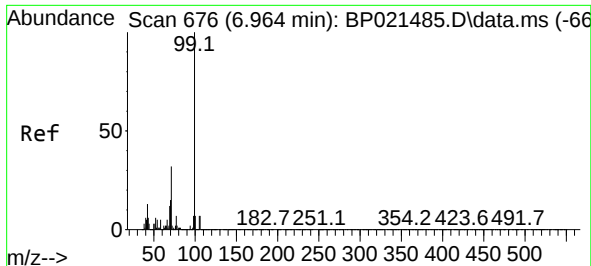
Tgt Ion:152 Resp: 543985
Ion Ratio Lower Upper
152 100
150 152.2 122.4 183.6
115 67.4 54.7 82.1



#5
2-Fluorophenol
Concen: 81.797 ng
RT: 5.410 min Scan# 412
Delta R.T. 0.017 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

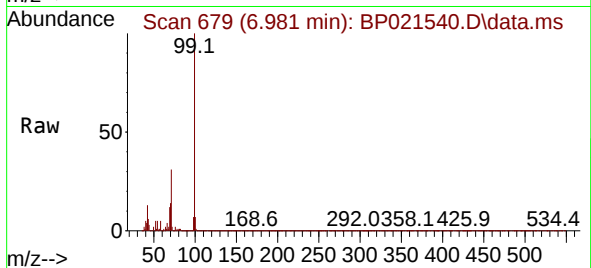
Tgt Ion:112 Resp: 2996653
Ion Ratio Lower Upper
112 100
64 55.4 49.0 73.6
63 28.2 24.6 36.8



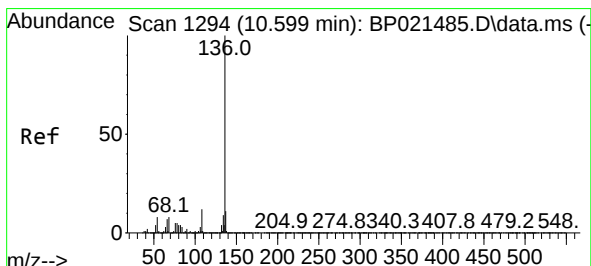
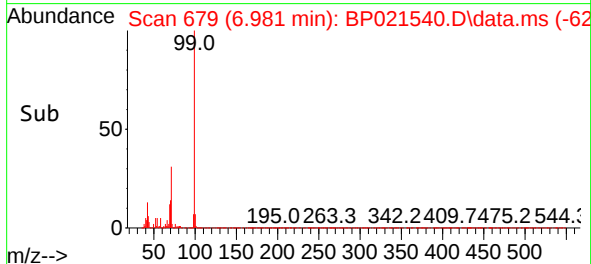
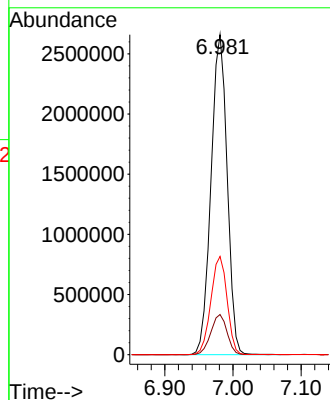


#7
Phenol-d6
Concen: 81.961 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.017 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

Instrument :
BNA_P
ClientSampleId :
OU4-TS-03-080724RE

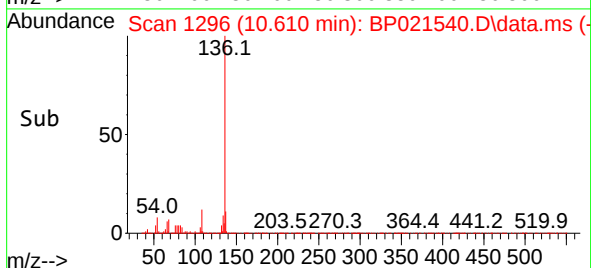
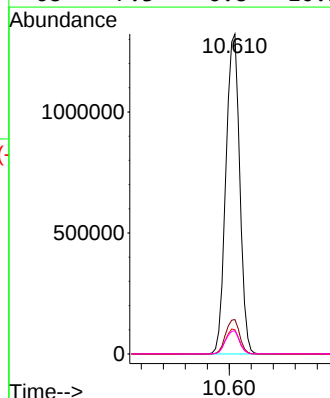
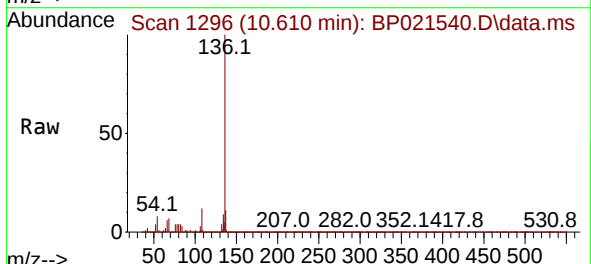


Tgt Ion: 99 Resp: 4380194
Ion Ratio Lower Upper
99 100
42 12.6 10.2 15.4
71 30.7 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1296
Delta R.T. 0.011 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

Tgt Ion: 136 Resp: 2309246
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.5 6.3 9.5
68 7.3 6.8 10.2

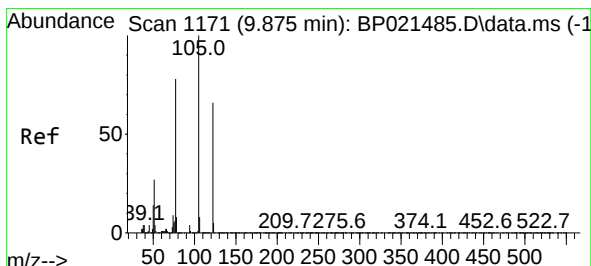
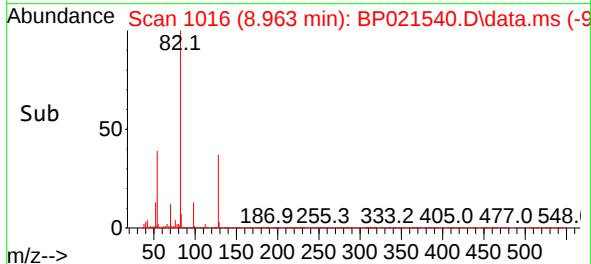
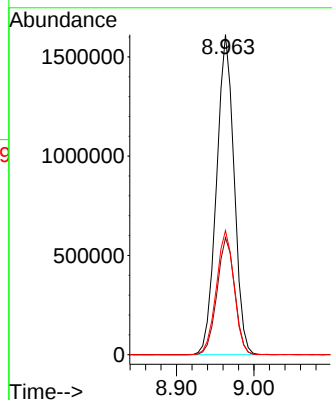
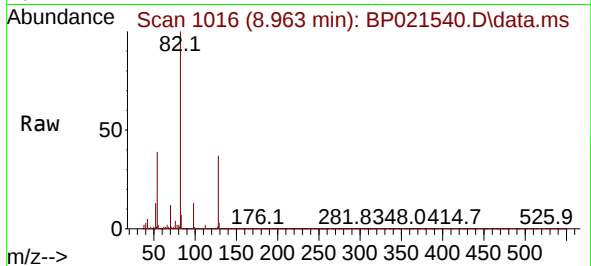




#23
Nitrobenzene-d5
Concen: 56.867 ng
RT: 8.963 min Scan# 1016
Delta R.T. 0.011 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

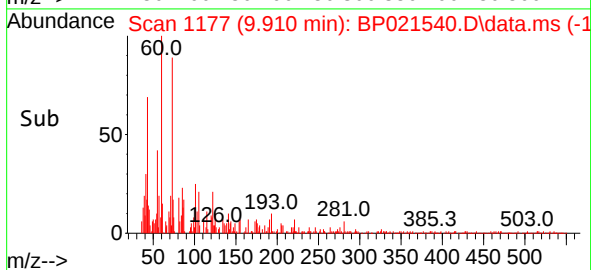
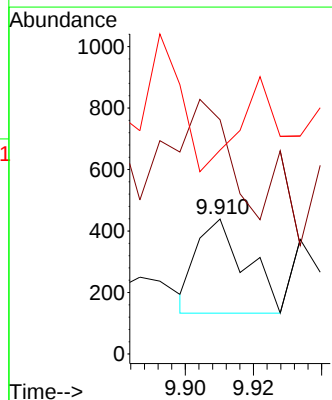
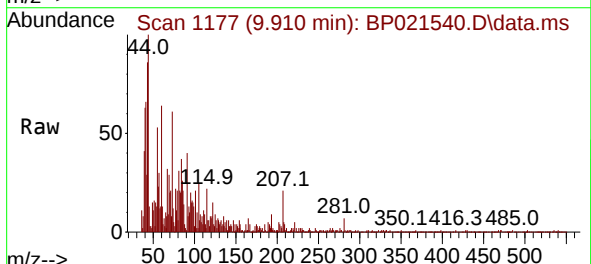
Instrument :
BNA_P
ClientSampleId :
OU4-TS-03-080724RE

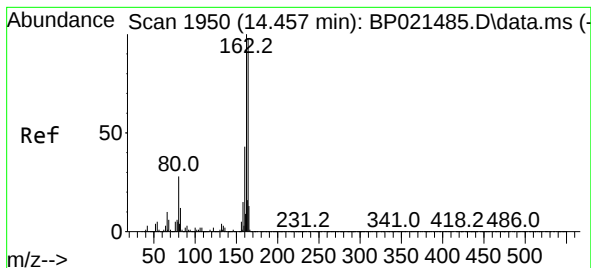
Tgt Ion: 82 Resp: 2544197
Ion Ratio Lower Upper
82 100
128 36.5 26.5 39.7
54 38.8 30.3 45.5



#32
Benzoic acid
Concen: 3.344 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.035 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

Tgt Ion:122 Resp: 305
Ion Ratio Lower Upper
122 100
105 173.6 124.6 164.6#
77 151.0 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: BP021540.D

Acq: 16 Aug 2024 15:12

Instrument :

BNA_P

ClientSampleId :

OU4-TS-03-080724RE

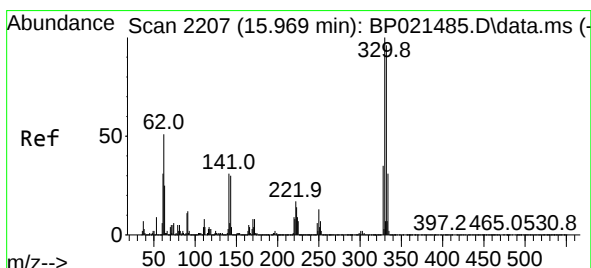
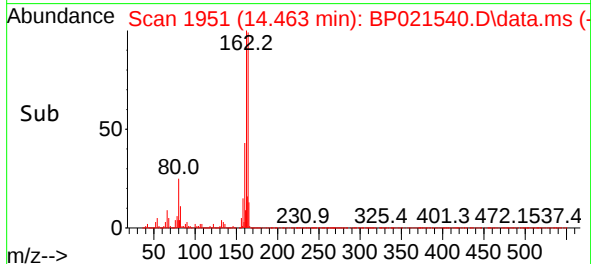
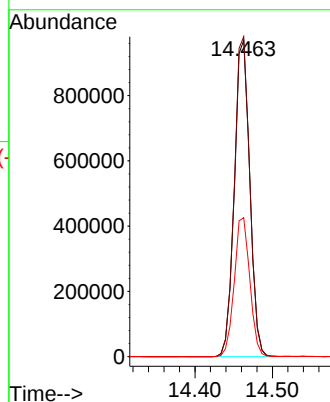
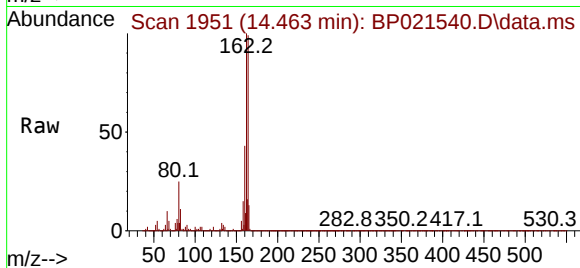
Tgt Ion:164 Resp: 1337933

Ion Ratio Lower Upper

164 100

162 101.2 81.5 122.3

160 44.0 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 70.827 ng

RT: 15.975 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BP021540.D

Acq: 16 Aug 2024 15:12

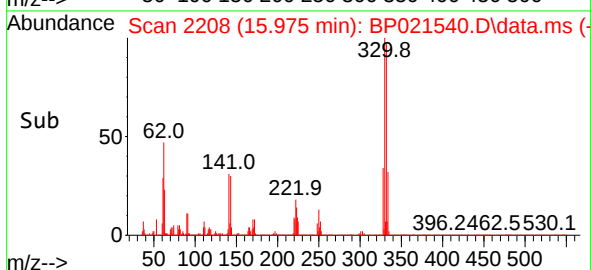
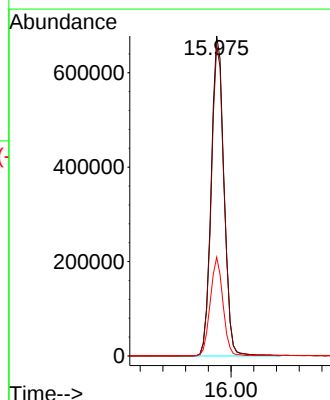
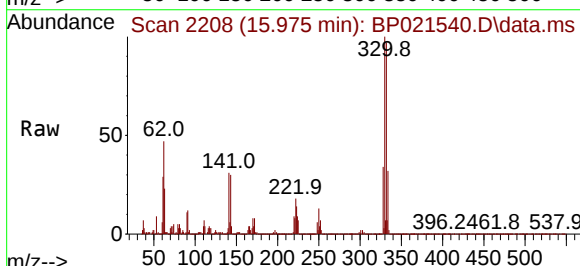
Tgt Ion:330 Resp: 1054660

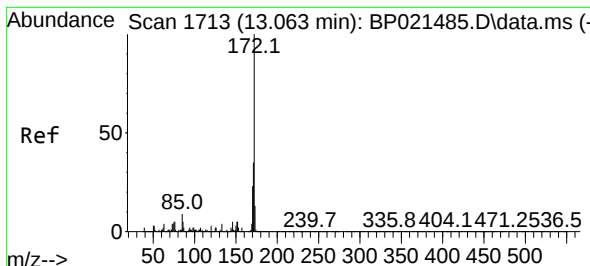
Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

141 30.5 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 42.416 ng

RT: 13.075 min Scan# 1715

Delta R.T. 0.011 min

Lab File: BP021540.D

Acq: 16 Aug 2024 15:12

Instrument :

BNA_P

ClientSampleId :

OU4-TS-03-080724RE

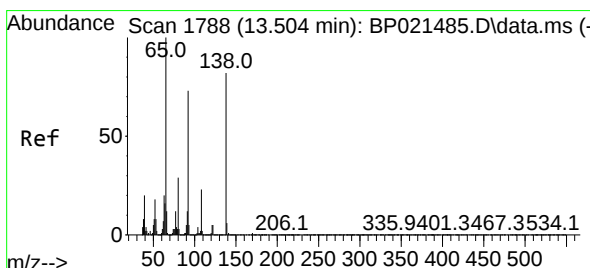
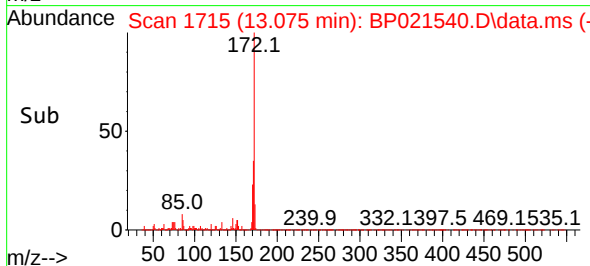
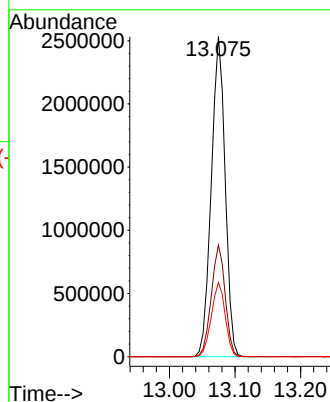
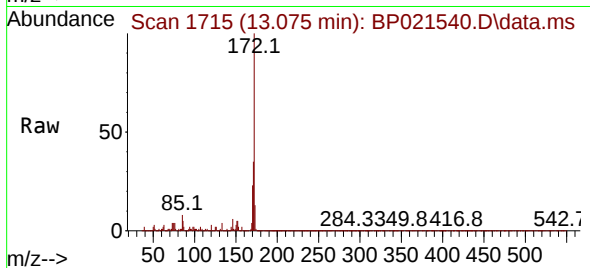
Tgt Ion:172 Resp: 3718495

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.2 18.4 27.6



#48

2-Nitroaniline

Concen: 5.160 ng

RT: 13.486 min Scan# 1785

Delta R.T. -0.018 min

Lab File: BP021540.D

Acq: 16 Aug 2024 15:12

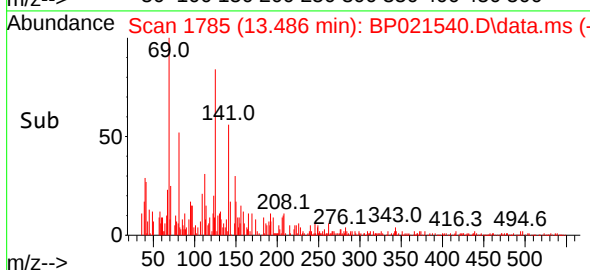
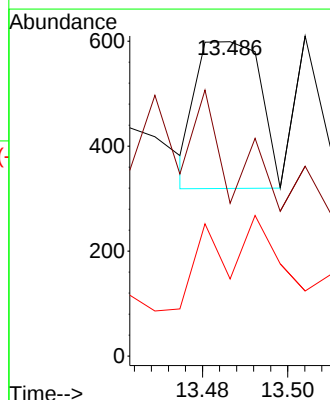
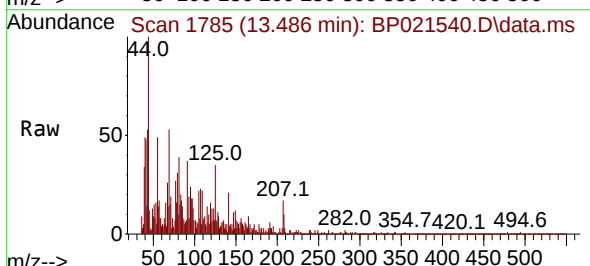
Tgt Ion: 65 Resp: 289

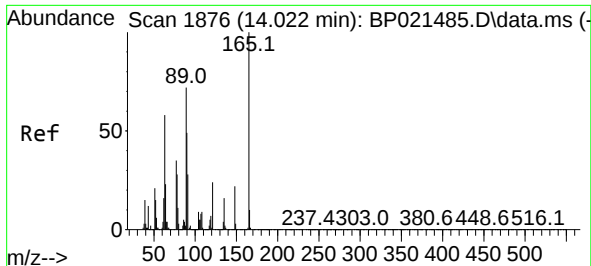
Ion Ratio Lower Upper

65 100

92 48.6 58.1 87.1#

138 24.5 65.5 98.3#

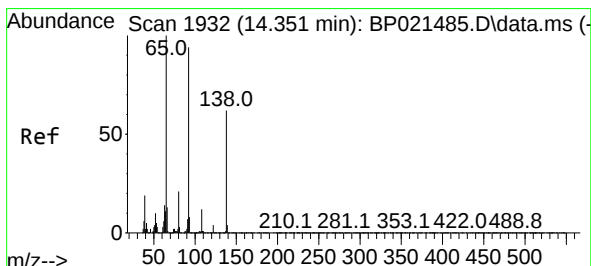
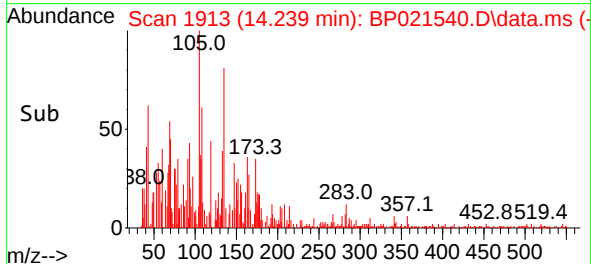
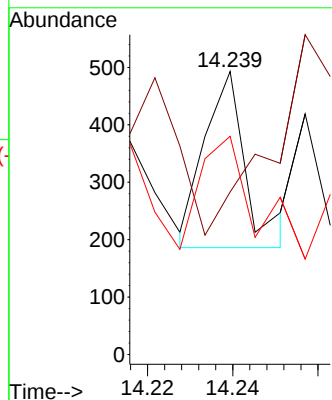
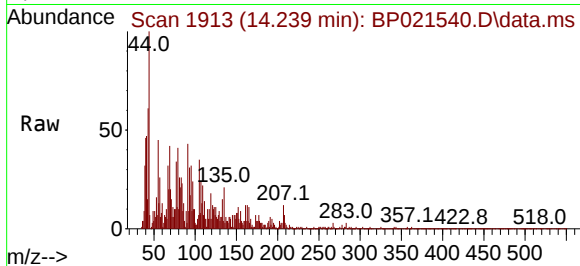




#51
2,6-Dinitrotoluene
Concen: 3.996 ng
RT: 14.239 min Scan# 1913
Delta R.T. 0.217 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

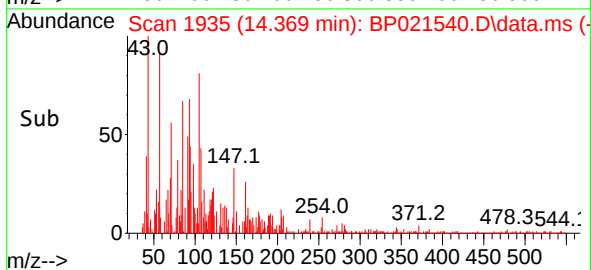
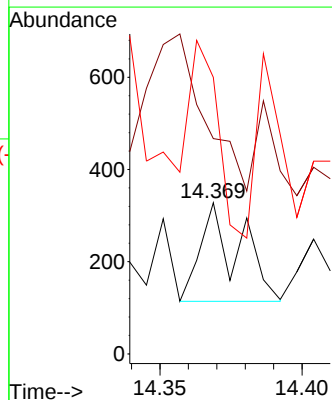
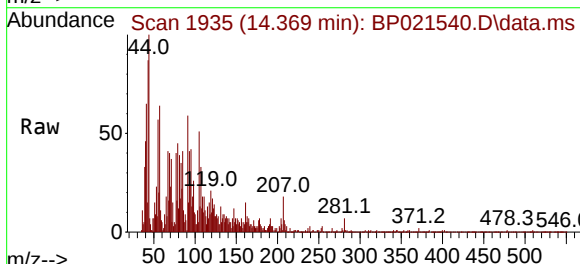
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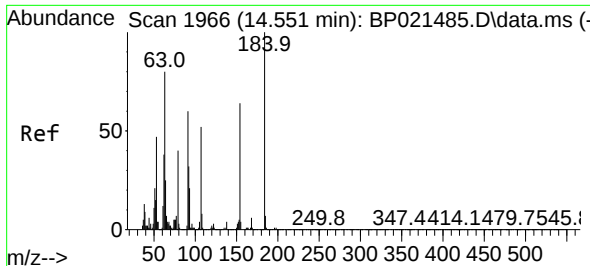
Tgt Ion:165 Resp: 208
Ion Ratio Lower Upper
165 100
63 57.4 51.5 77.3
89 77.1 57.8 86.8



#53
3-Nitroaniline
Concen: 3.980 ng
RT: 14.369 min Scan# 1935
Delta R.T. 0.018 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

Tgt Ion:138 Resp: 205
Ion Ratio Lower Upper
138 100
108 142.4 16.2 24.4#
92 182.9 122.2 183.4

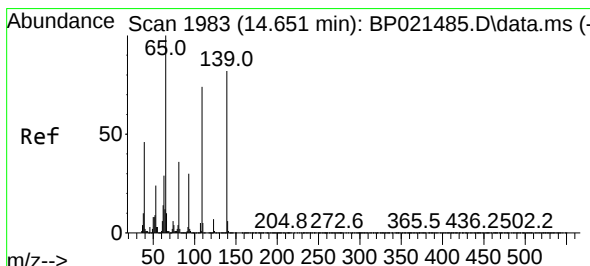
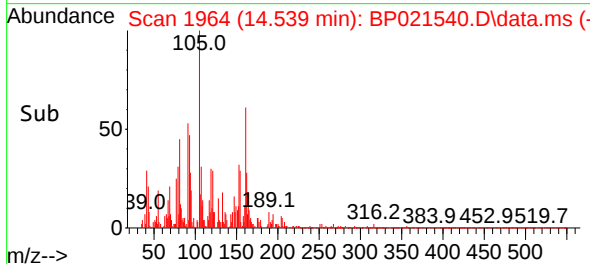
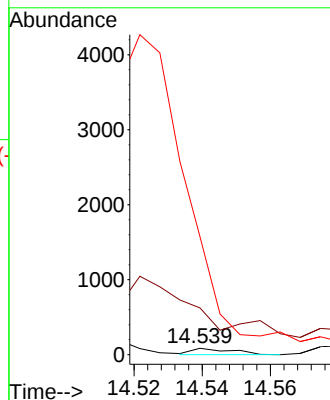
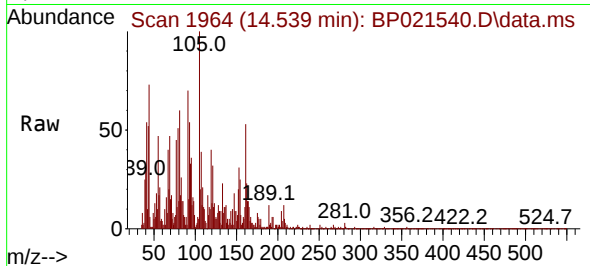




#54
2,4-Dinitrophenol
Concen: 2.451 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.012 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

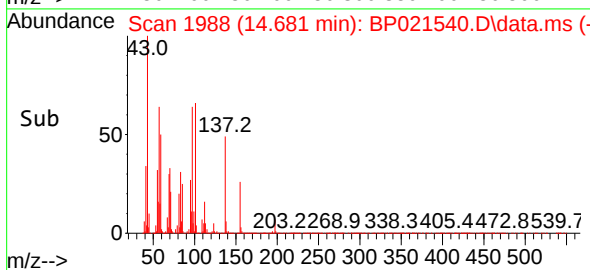
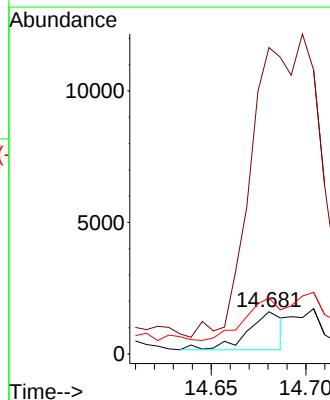
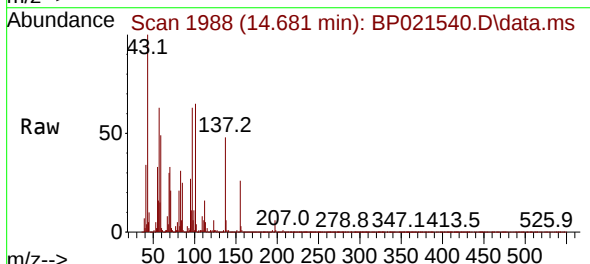
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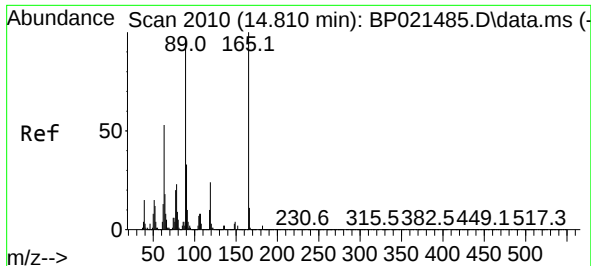
Tgt Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 724.4 64.9 97.3#
154 1825.6 52.1 78.1#



#56
4-Nitrophenol
Concen: 5.194 ng
RT: 14.681 min Scan# 1988
Delta R.T. 0.030 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

Tgt Ion:139 Resp: 1829
Ion Ratio Lower Upper
139 100
109 724.8 70.2 110.2#
65 132.7 101.8 141.8

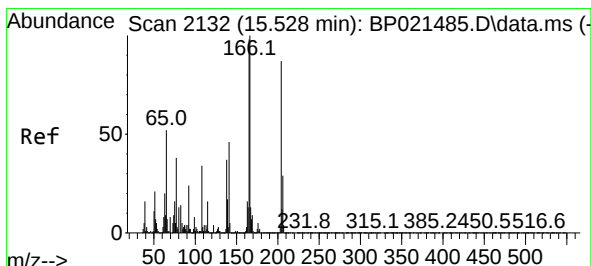
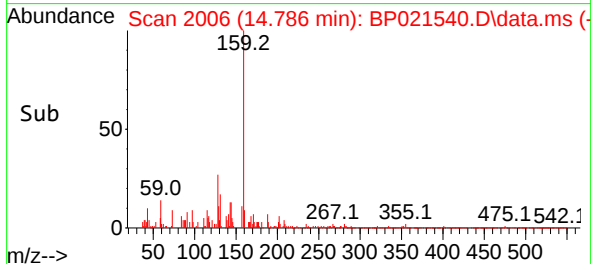
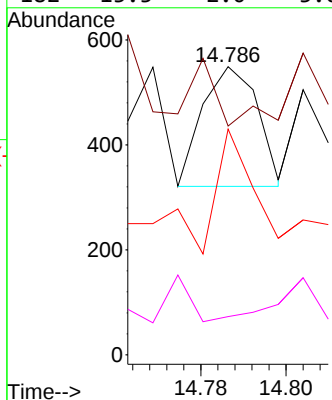
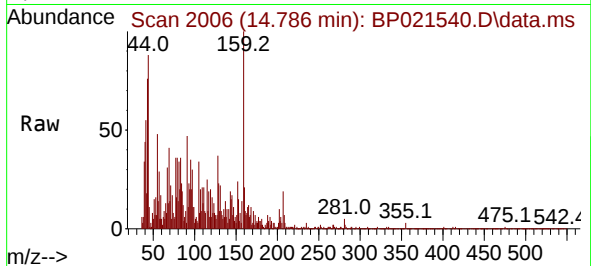




#57
2,4-Dinitrotoluene
Concen: 5.030 ng
RT: 14.786 min Scan# 2010
Delta R.T. -0.024 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

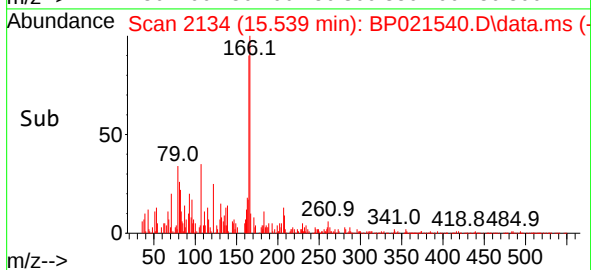
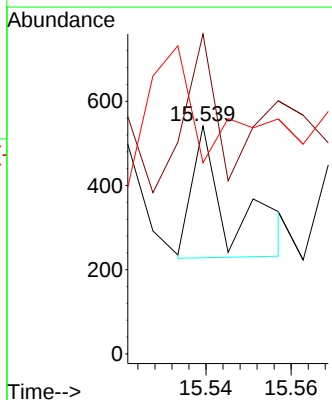
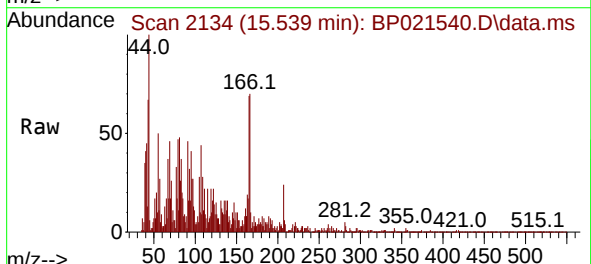
Instrument :
BNA_P
ClientSampleId :
OU4-TS-03-080724RE

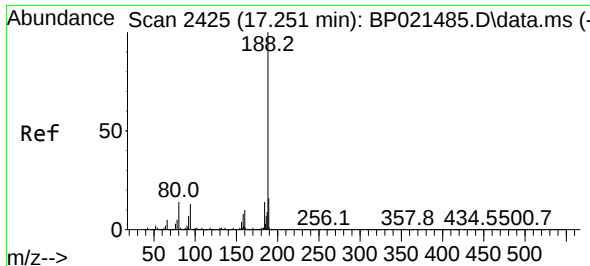
Tgt Ion:165 Resp: 205
Ion Ratio Lower Upper
165 100
63 79.4 42.5 63.7#
89 78.3 77.1 115.7
182 13.3 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.945 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.011 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

Tgt Ion:138 Resp: 201
Ion Ratio Lower Upper
138 100
92 140.5 46.4 86.4#
108 83.9 73.2 113.2

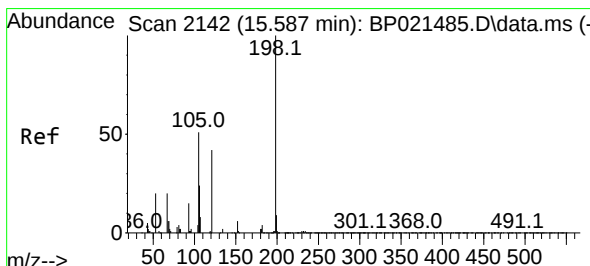
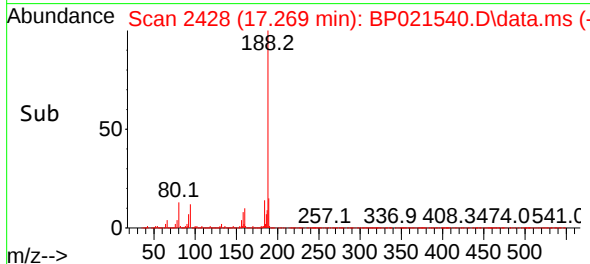
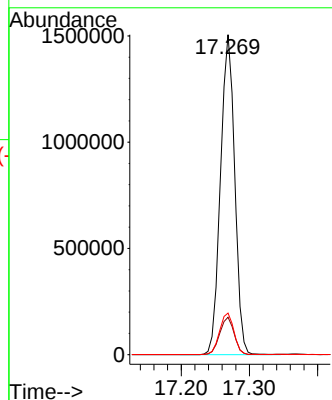
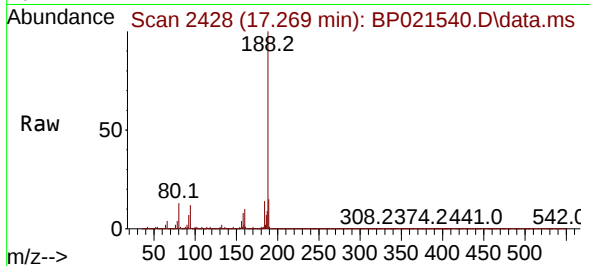




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2425
Delta R.T. 0.017 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

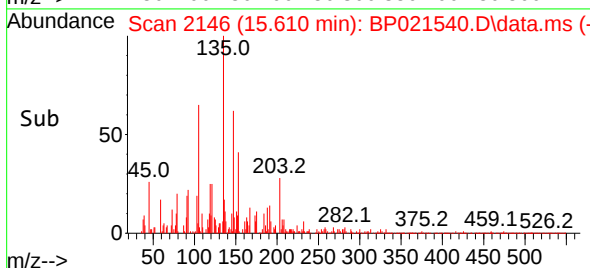
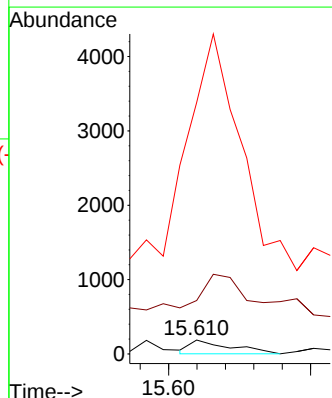
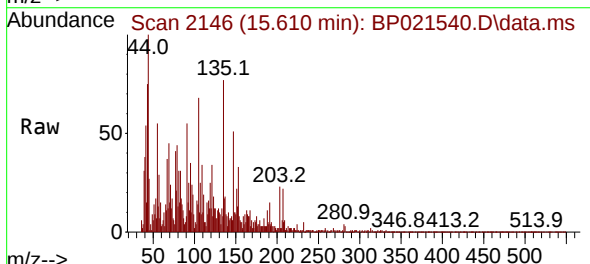
Instrument :
BNA_P
ClientSampleId :
OU4-TS-03-080724RE

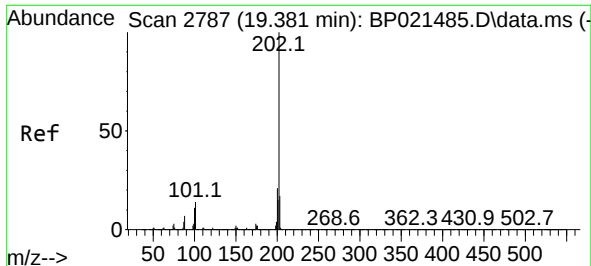
Tgt Ion:188 Resp: 2187436
Ion Ratio Lower Upper
188 100
94 11.7 10.2 15.4
80 13.0 11.6 17.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.642 ng
RT: 15.610 min Scan# 2146
Delta R.T. 0.023 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

Tgt Ion:198 Resp: 184
Ion Ratio Lower Upper
198 100
51 384.5 21.5 61.5#
105 1809.6 32.9 72.9#

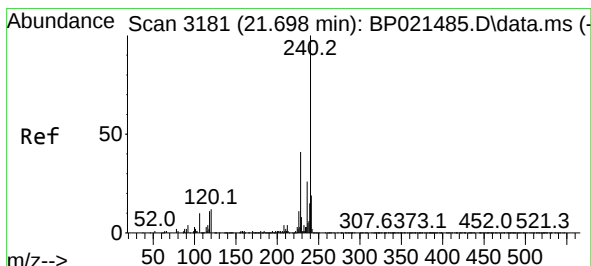
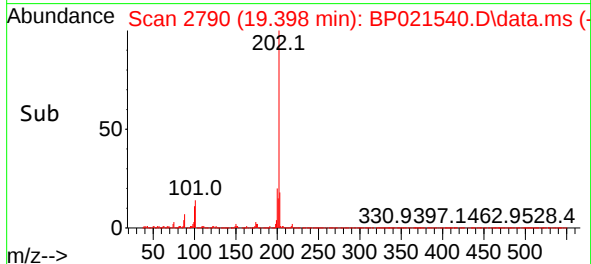
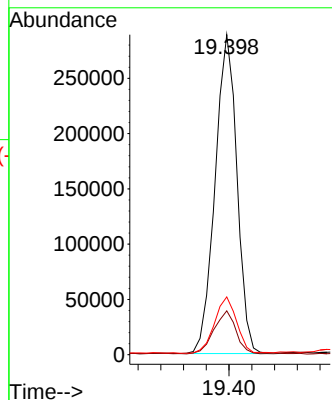
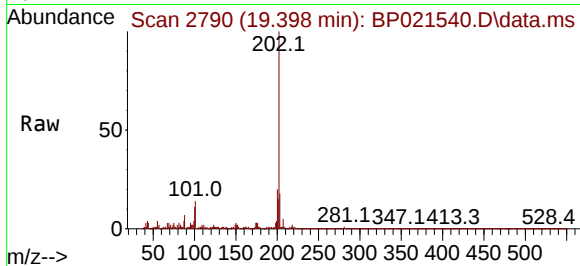




#75
Fluoranthene
Concen: 2.996 ng
RT: 19.398 min Scan# 21
Delta R.T. 0.017 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

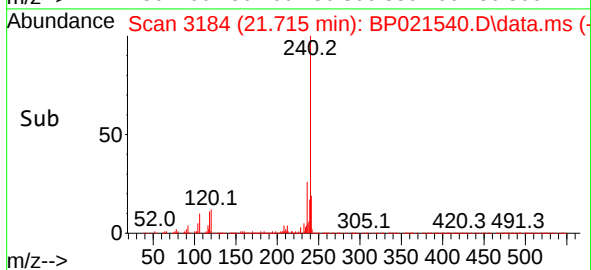
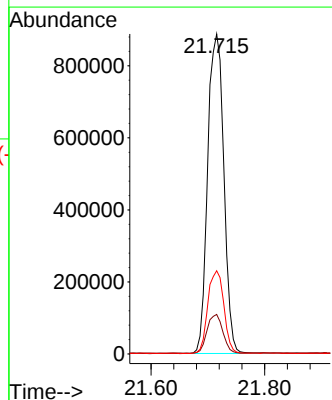
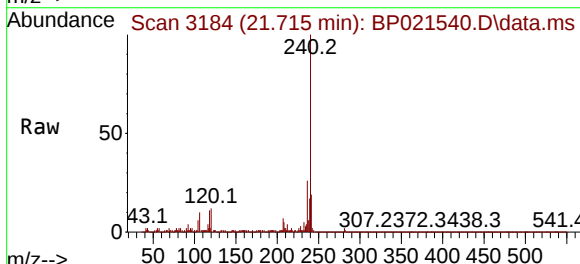
Instrument :
BNA_P
ClientSampleId :
OU4-TS-03-080724RE

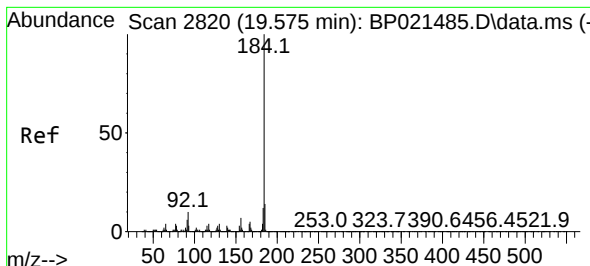
Tgt Ion:202 Resp: 386670
Ion Ratio Lower Upper
202 100
101 13.7 0.0 34.0
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.715 min Scan# 3184
Delta R.T. 0.017 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

Tgt Ion:240 Resp: 1743108
Ion Ratio Lower Upper
240 100
120 12.4 9.9 14.9
236 26.0 20.6 30.8





#77

Benzidine

Concen: 4.587 ng

RT: 19.586 min Scan# 2822

Delta R.T. 0.011 min

Lab File: BP021540.D

Acq: 16 Aug 2024 15:12

Instrument :

BNA_P

ClientSampleId :

OU4-TS-03-080724RE

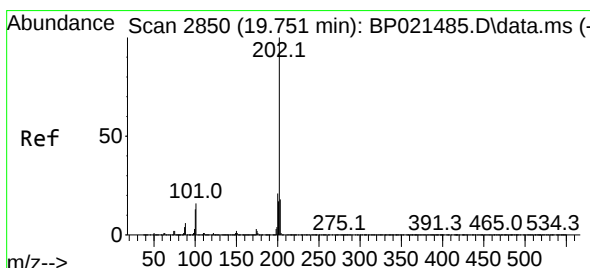
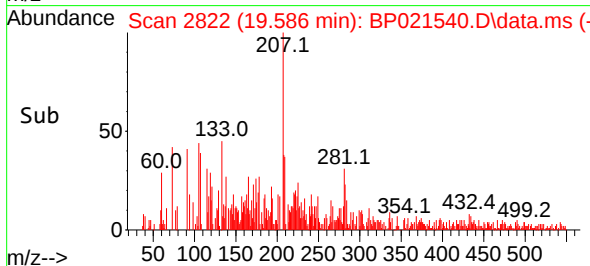
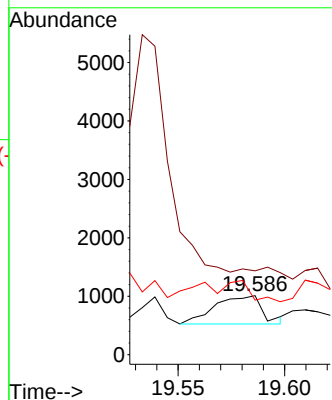
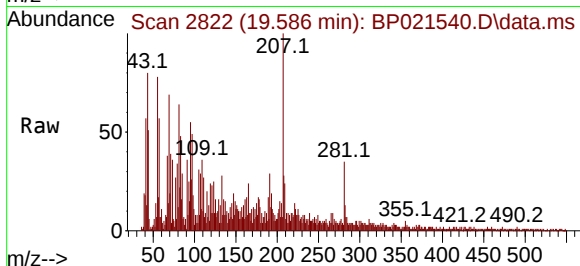
Tgt Ion:184 Resp: 757

Ion Ratio Lower Upper

184 100

185 142.2 11.4 17.0#

183 92.6 9.3 13.9#



#78

Pyrene

Concen: 3.133 ng

RT: 19.768 min Scan# 2853

Delta R.T. 0.017 min

Lab File: BP021540.D

Acq: 16 Aug 2024 15:12

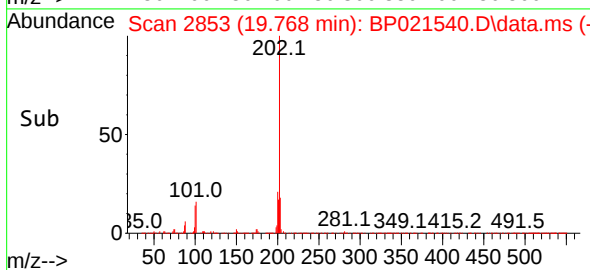
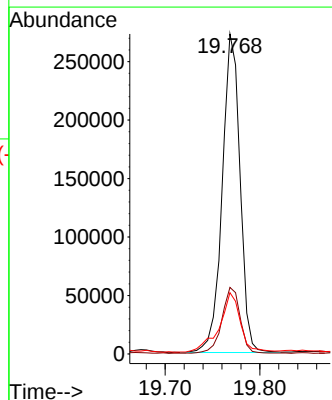
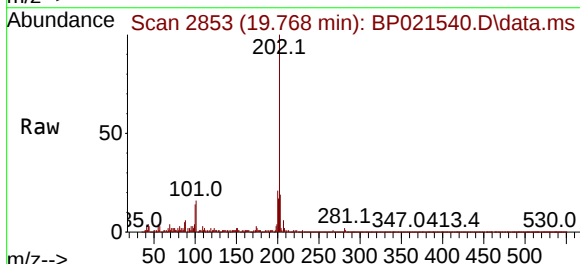
Tgt Ion:202 Resp: 356920

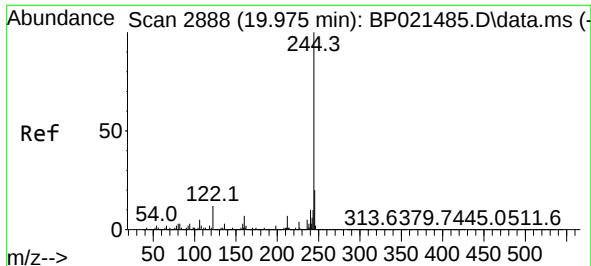
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 19.2 14.1 21.1

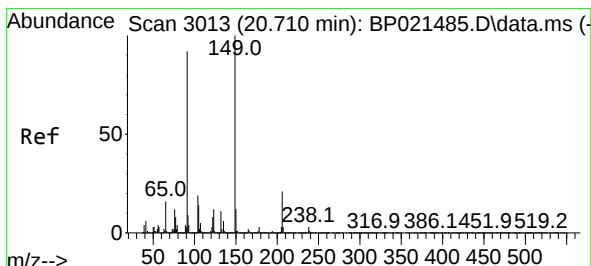
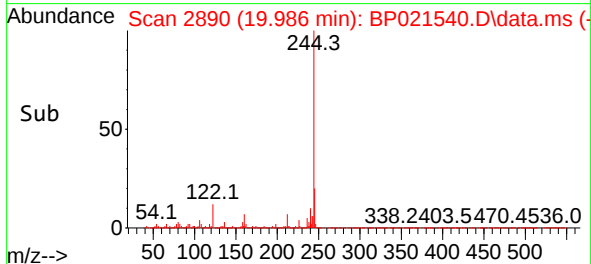
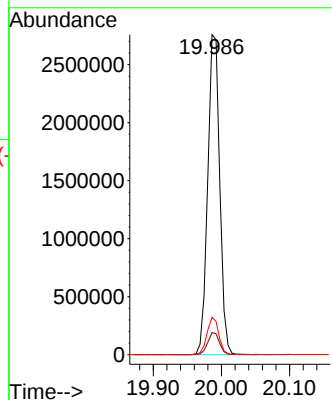
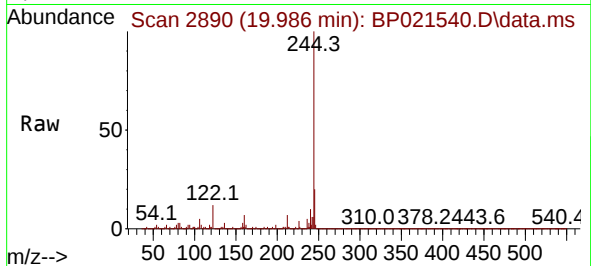




#79
 Terphenyl-d14
 Concen: 37.624 ng
 RT: 19.986 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: BP021540.D
 Acq: 16 Aug 2024 15:12

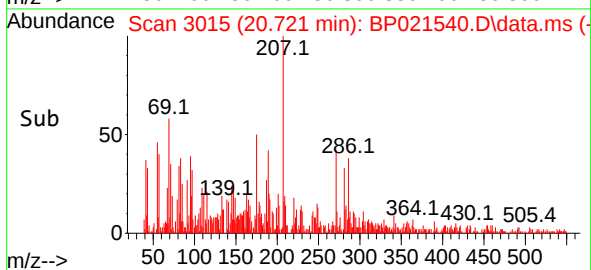
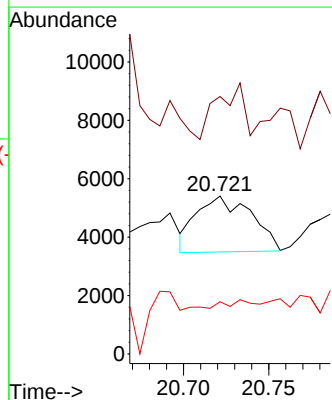
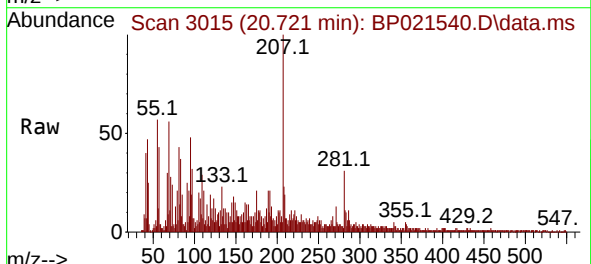
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-03-080724RE

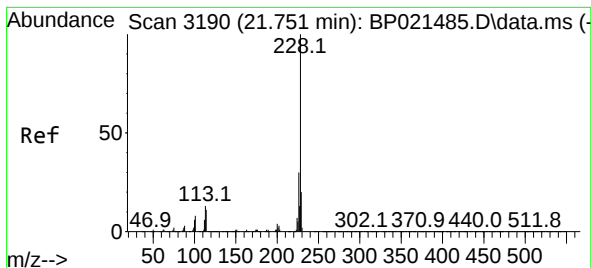
Tgt Ion:244 Resp: 3375764
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.6 9.4 14.2



#80
 Butylbenzylphthalate
 Concen: 3.694 ng
 RT: 20.721 min Scan# 3015
 Delta R.T. 0.011 min
 Lab File: BP021540.D
 Acq: 16 Aug 2024 15:12

Tgt Ion:149 Resp: 4297
 Ion Ratio Lower Upper
 149 100
 91 162.9 73.3 109.9#
 206 33.0 17.1 25.7#





#83

Chrysene

Concen: 2.282 ng

RT: 21.768 min Scan# 3193

Delta R.T. 0.017 min

Lab File: BP021540.D

Acq: 16 Aug 2024 15:12

Instrument :

BNA_P

ClientSampleId :

OU4-TS-03-080724RE

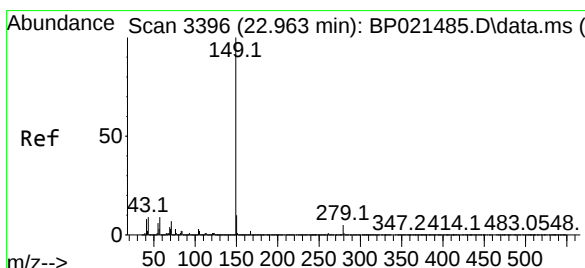
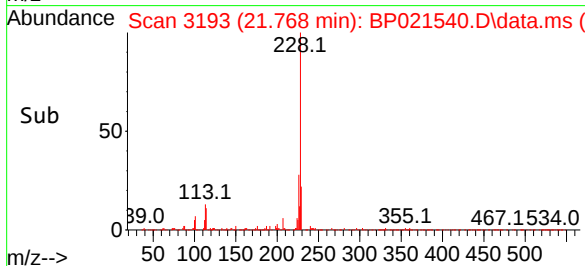
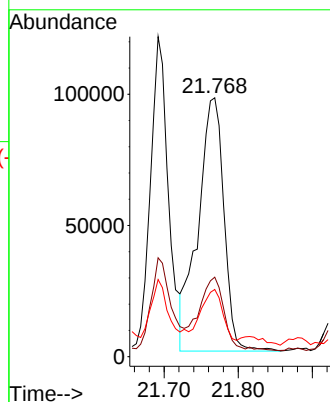
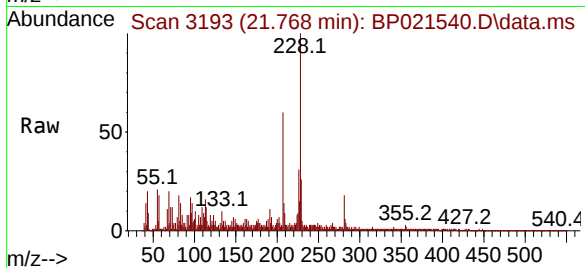
Tgt Ion:228 Resp: 235780

Ion Ratio Lower Upper

228 100

226 30.7 23.9 35.9

229 26.0 15.8 23.6#



#85

Di-n-octyl phthalate

Concen: 4.845 ng

RT: 22.974 min Scan# 3398

Delta R.T. 0.011 min

Lab File: BP021540.D

Acq: 16 Aug 2024 15:12

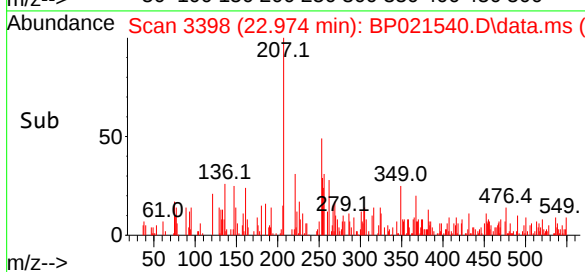
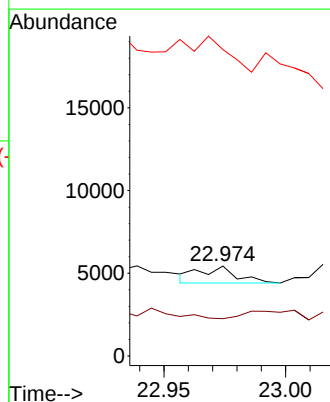
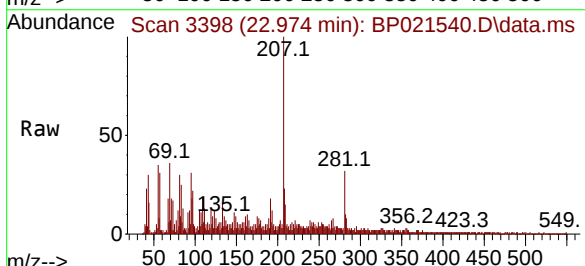
Tgt Ion:149 Resp: 1079

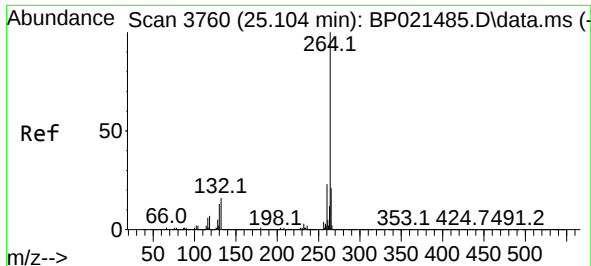
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 7.3 10.9#

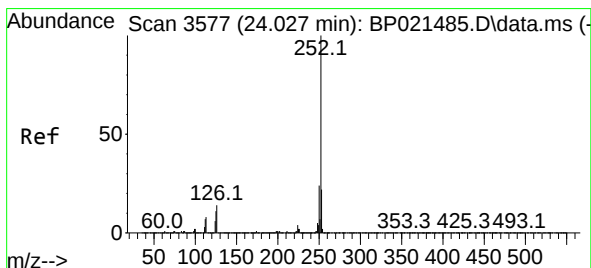
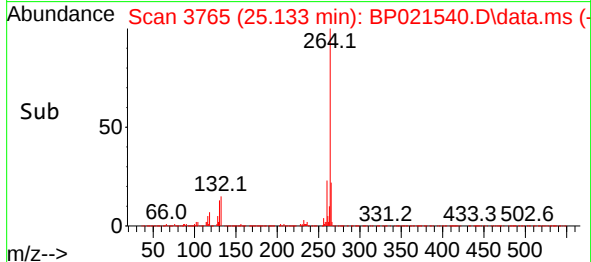
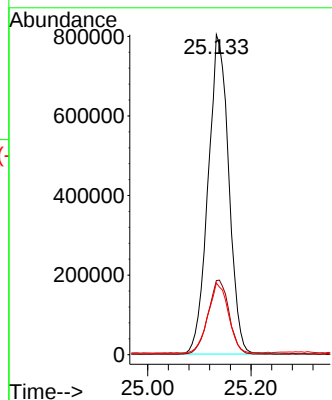
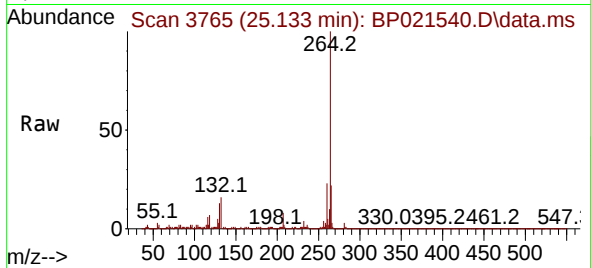




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.133 min Scan# 31
Delta R.T. 0.029 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

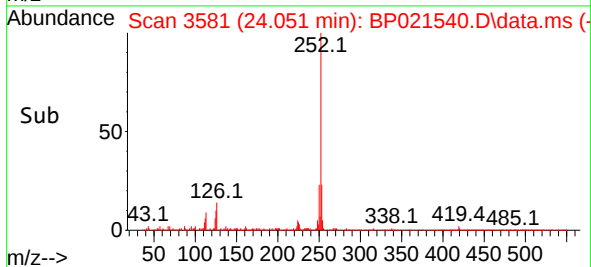
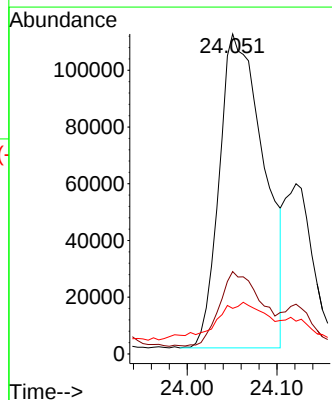
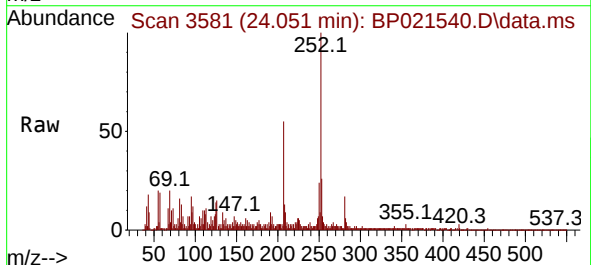
Instrument :
BNA_P
ClientSampleId :
OU4-TS-03-080724RE

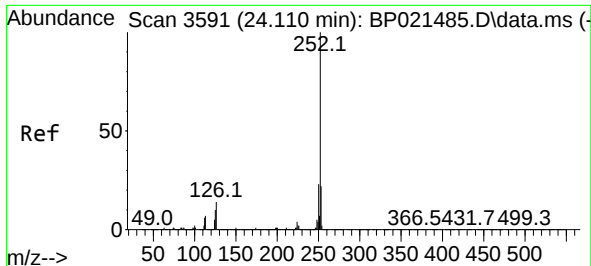
Tgt Ion:264 Resp: 2225455
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 22.4 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 2.986 ng
RT: 24.051 min Scan# 3581
Delta R.T. 0.023 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

Tgt Ion:252 Resp: 381660
Ion Ratio Lower Upper
252 100
253 25.8 17.6 26.4
125 14.3 8.6 13.0#

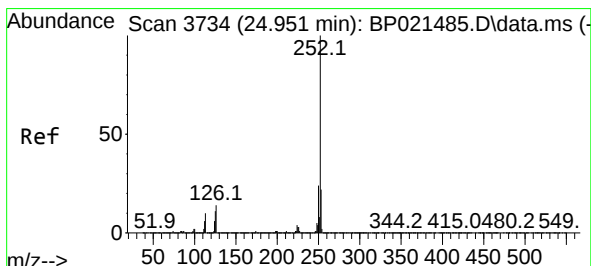
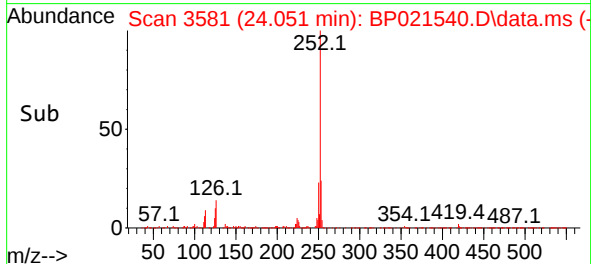
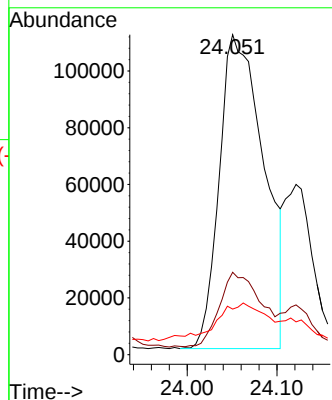
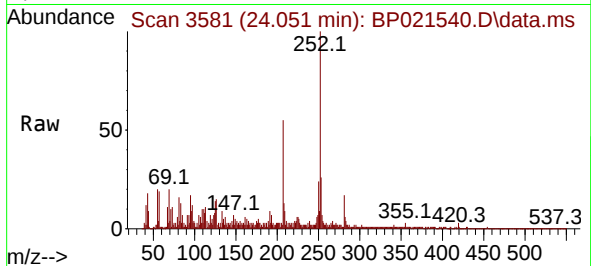




#89
Benzo(k)fluoranthene
Concen: 3.061 ng
RT: 24.051 min Scan# 31
Delta R.T. -0.059 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

Instrument :
BNA_P
ClientSampleId :
OU4-TS-03-080724RE

Tgt Ion:252 Resp: 381660
Ion Ratio Lower Upper
252 100
253 25.8 17.5 26.3
125 14.3 7.8 11.8#



#90
Benzo(a)pyrene
Concen: 2.627 ng
RT: 24.974 min Scan# 3738
Delta R.T. 0.023 min
Lab File: BP021540.D
Acq: 16 Aug 2024 15:12

Tgt Ion:252 Resp: 291358
Ion Ratio Lower Upper
252 100
253 25.2 17.7 26.5
125 15.1 8.7 13.1#

