

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
 Data File : BP021553.D
 Acq On : 19 Aug 2024 14:33
 Operator : RC/JU
 Sample : P3518-13RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-07-080724RE

Quant Time: Aug 19 15:05:08 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)

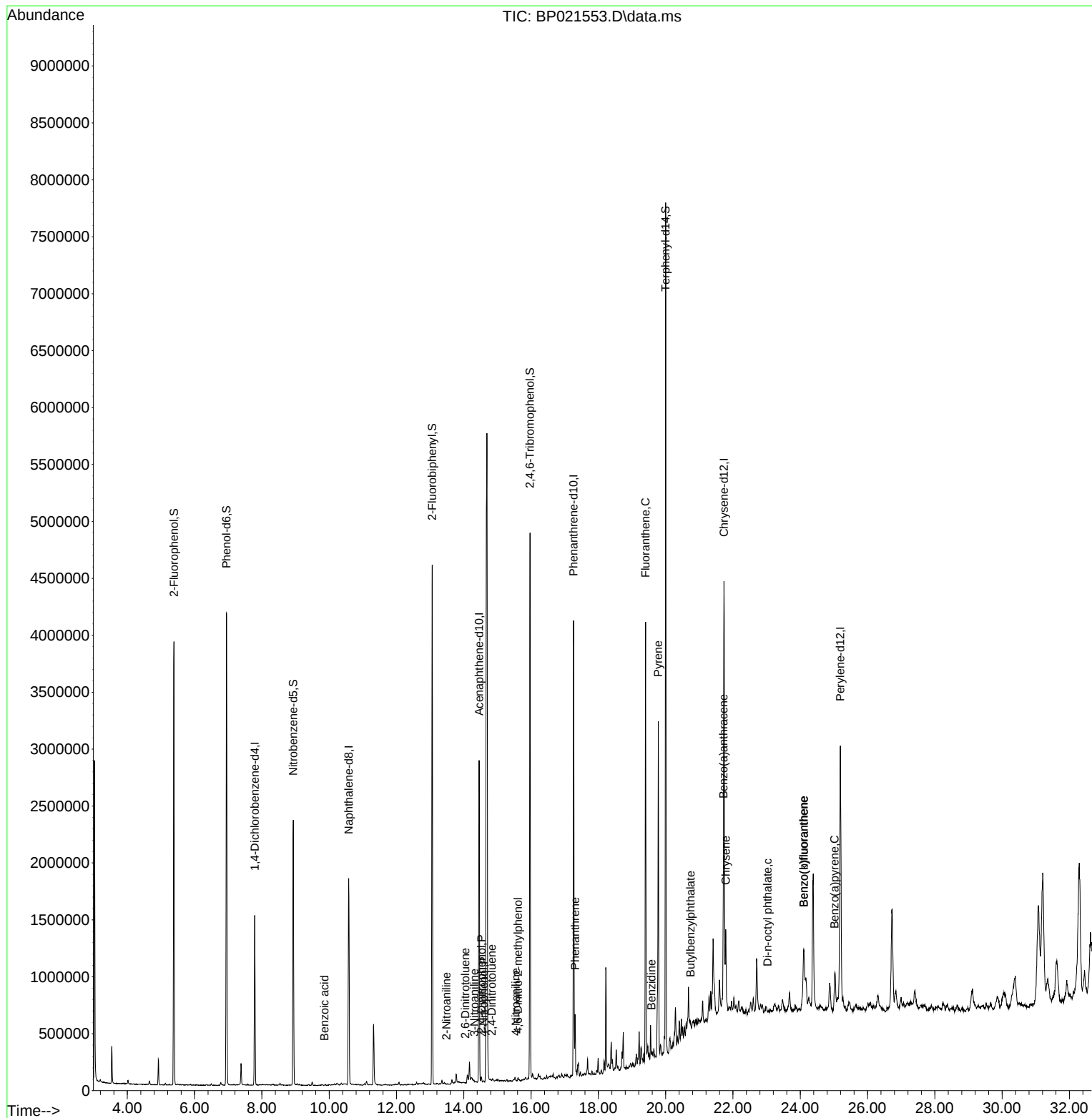
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	383359	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1658838	20.000	ng	-0.02
39) Acenaphthene-d10	14.457	164	1091246	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	2252518	20.000	ng	0.01
76) Chrysene-d12	21.733	240	2051926	20.000	ng	0.04
86) Perylene-d12	25.192	264	2330089	20.000	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	1827776	70.795	ng	0.00
7) Phenol-d6	6.946	99	2720245	72.227	ng	-0.02
23) Nitrobenzene-d5	8.934	82	1536569	47.811	ng	-0.02
42) 2,4,6-Tribromophenol	15.969	330	896844	73.844	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2269038	31.734	ng	0.00
79) Terphenyl-d14	19.998	244	3567662	33.778	ng	0.02
Target Compounds						Qvalue
26) 2-Nitrophenol	9.675	139	129	Below Cal	#	1
32) Benzoic acid	9.857	122	140	3.335	ng	# 5
48) 2-Nitroaniline	13.487	65	512	5.174	ng	# 46
51) 2,6-Dinitrotoluene	14.045	165	121	3.993	ng	# 1
53) 3-Nitroaniline	14.316	138	480	4.000	ng	# 64
54) 2,4-Dinitrophenol	14.528	184	162	2.491	ng	# 1
56) 4-Nitrophenol	14.592	139	827	5.142	ng	91
57) 2,4-Dinitrotoluene	14.834	165	248	5.034	ng	# 47
62) 4-Nitroaniline	15.551	138	120	2.942	ng	# 54
65) 4,6-Dinitro-2-methylph...	15.610	198	72	4.620	ng	# 1
71) Phenanthrene	17.310	178	327752	3.026	ng	99
75) Fluoranthene	19.404	202	2249130	16.921	ng	100
77) Benzidine	19.574	184	3492	4.628	ng	# 1
78) Pyrene	19.780	202	1664594	12.411	ng	99
80) Butylbenzylphthalate	20.739	149	4181	3.678	ng	# 63
81) Benzo(a)anthracene	21.715	228	475309	3.690	ng	98
83) Chrysene	21.786	228	594509	4.888	ng	96
85) Di-n-octyl phthalate	23.027	149	2432	4.853	ng	# 51
88) Benzo(b)fluoranthene	24.104	252	640398	4.785	ng	97
89) Benzo(k)fluoranthene	24.104	252	640398	4.906	ng	# 96
90) Benzo(a)pyrene	25.021	252	327993	2.824	ng	97

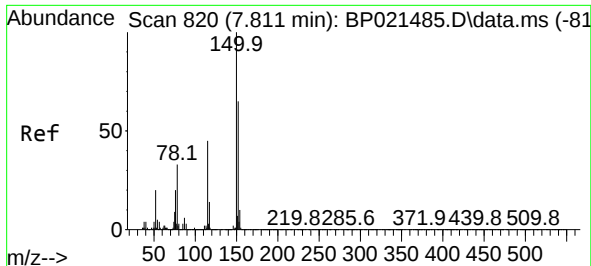
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
Data File : BP021553.D
Acq On : 19 Aug 2024 14:33
Operator : RC/JU
Sample : P3518-13RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OU4-TS-07-080724RE

Quant Time: Aug 19 15:05:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

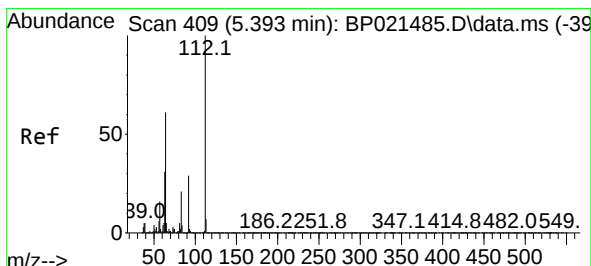
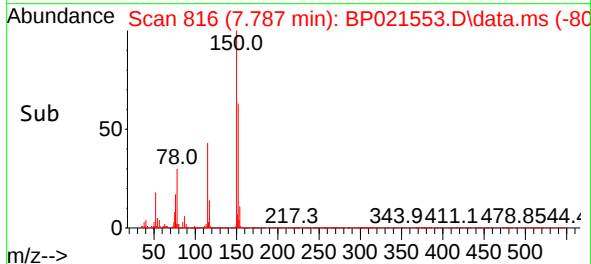
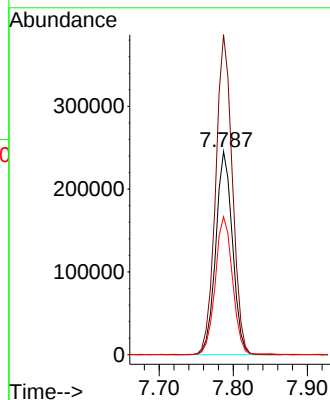
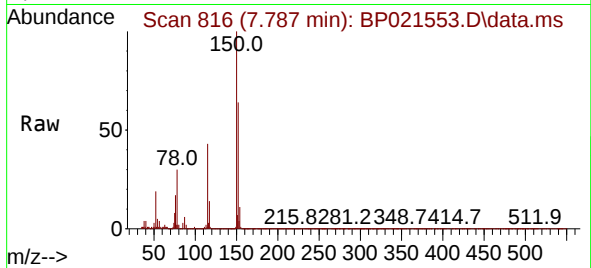




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.024 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

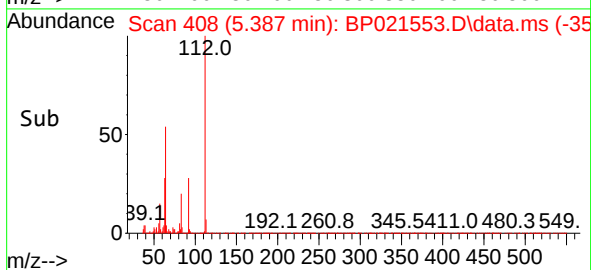
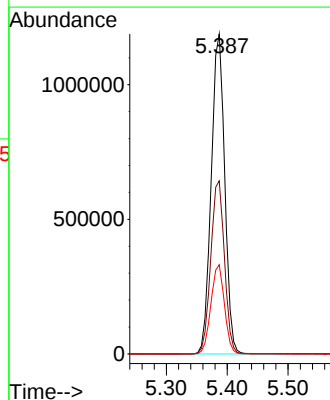
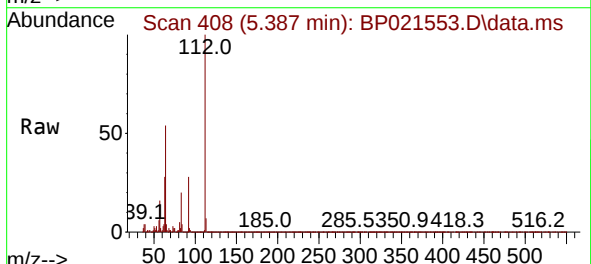
Instrument :
BNA_P
ClientSampleId :
OU4-TS-07-080724RE

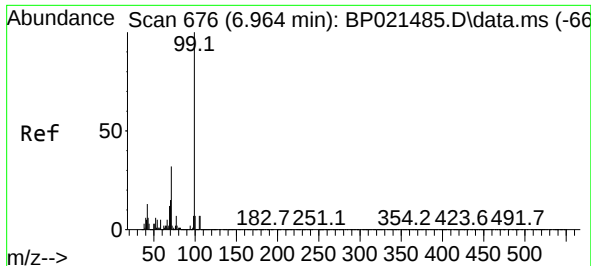
Tgt Ion:152 Resp: 383359
Ion Ratio Lower Upper
152 100
150 157.5 122.4 183.6
115 67.9 54.7 82.1



#5
2-Fluorophenol
Concen: 70.795 ng
RT: 5.387 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

Tgt Ion:112 Resp: 1827776
Ion Ratio Lower Upper
112 100
64 54.1 49.0 73.6
63 27.9 24.6 36.8



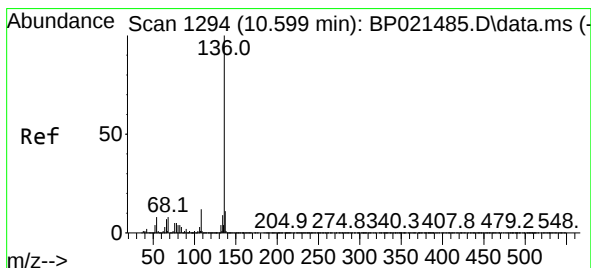
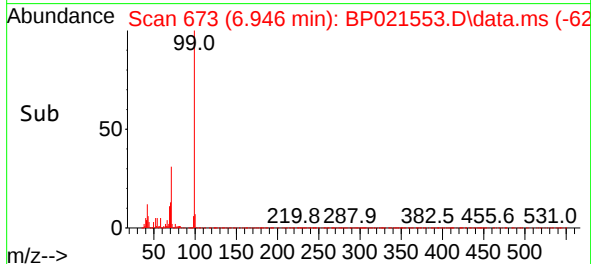
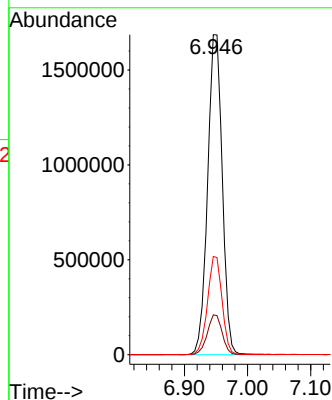
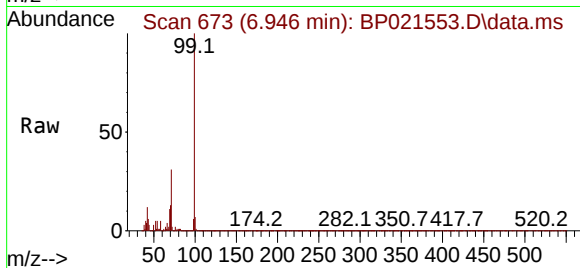


#7
Phenol-d6
Concen: 72.227 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

Instrument :
BNA_P
ClientSampleId :
OU4-TS-07-080724RE

Tgt Ion: 99 Resp: 2720245

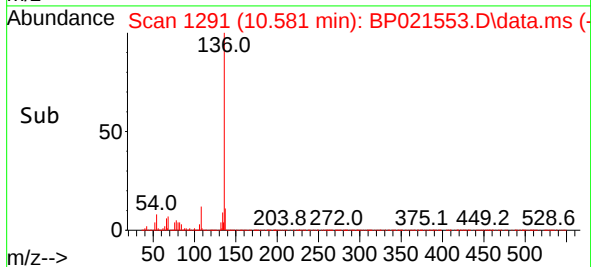
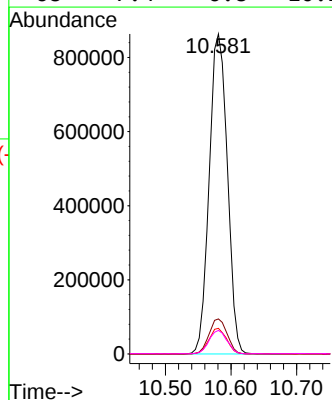
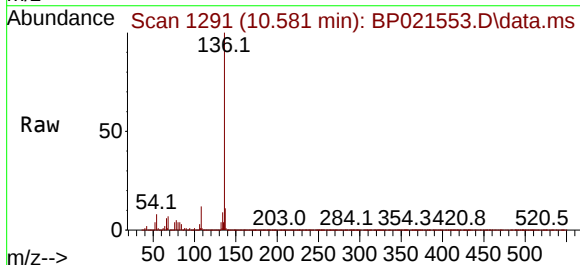
Ion	Ratio	Lower	Upper
99	100		
42	12.5	10.2	15.4
71	30.7	25.8	38.8

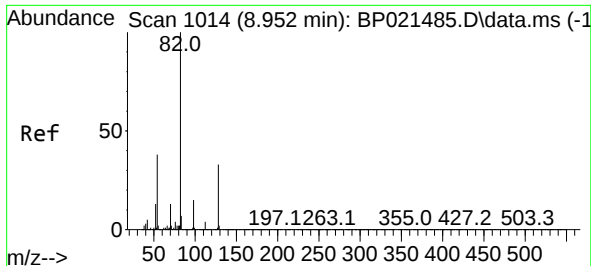


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.018 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

Tgt Ion:136 Resp: 1658838

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.0	6.3	9.5
68	7.4	6.8	10.2

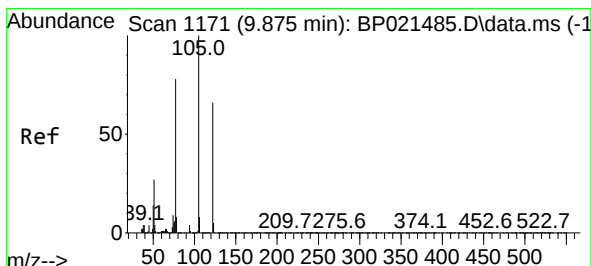
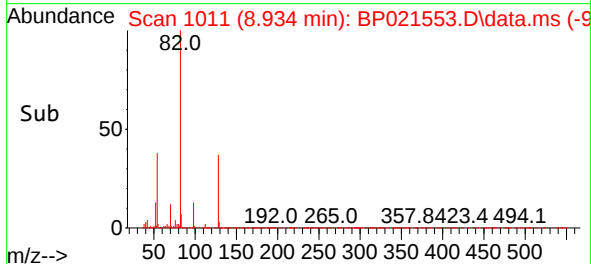
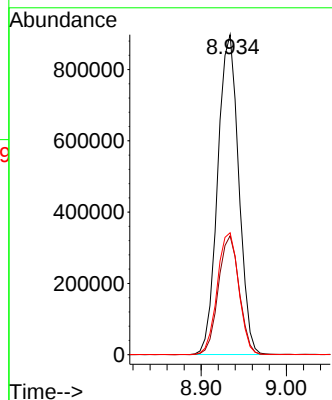
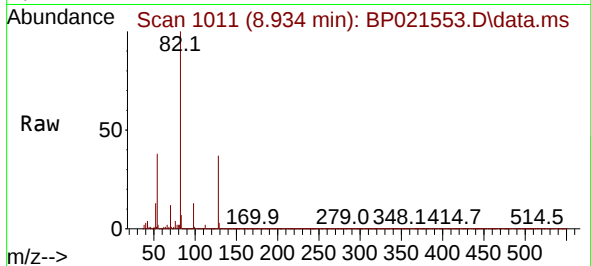




#23
Nitrobenzene-d5
Concen: 47.811 ng
RT: 8.934 min Scan# 1014
Delta R.T. -0.018 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

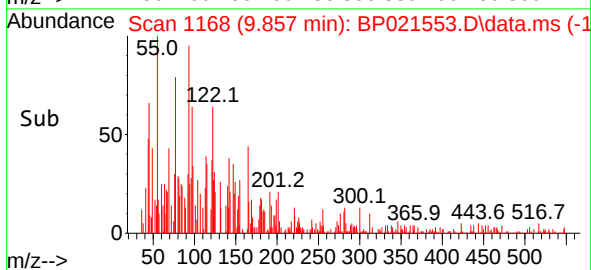
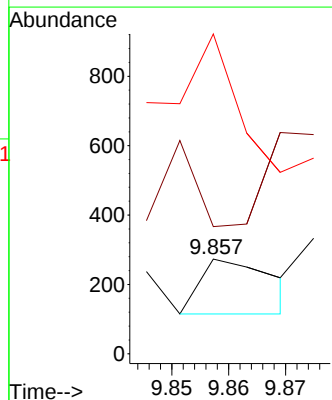
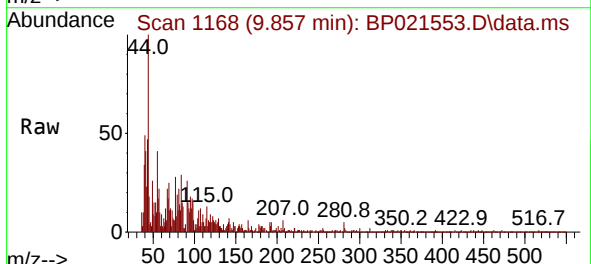
Instrument :
BNA_P
ClientSampleId :
OU4-TS-07-080724RE

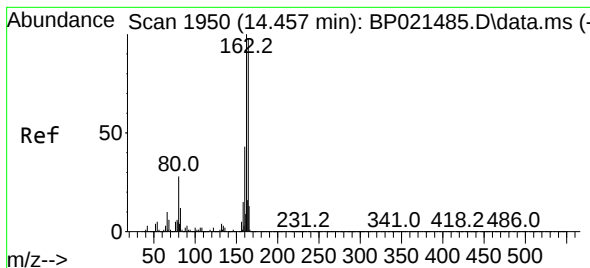
Tgt Ion: 82 Resp: 1536569
Ion Ratio Lower Upper
82 100
128 37.1 26.5 39.7
54 38.1 30.3 45.5



#32
Benzoic acid
Concen: 3.335 ng
RT: 9.857 min Scan# 1168
Delta R.T. -0.018 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

Tgt Ion: 122 Resp: 140
Ion Ratio Lower Upper
122 100
105 134.4 124.6 164.6
77 337.7 96.2 136.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.457 min Scan# 1950

Delta R.T. -0.000 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

Instrument :

BNA_P

ClientSampleId :

OU4-TS-07-080724RE

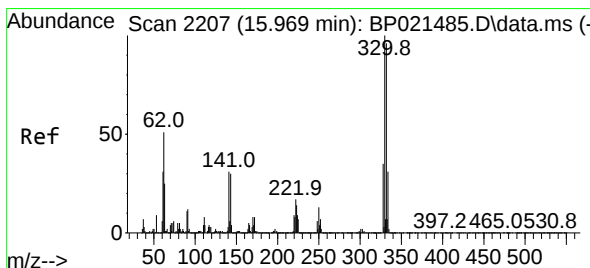
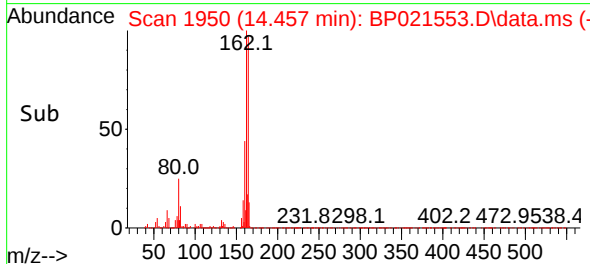
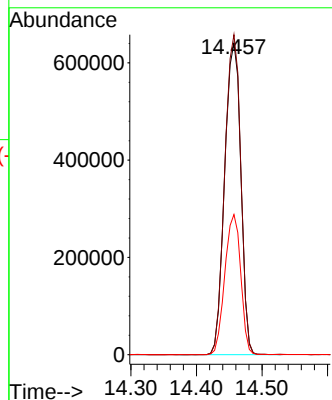
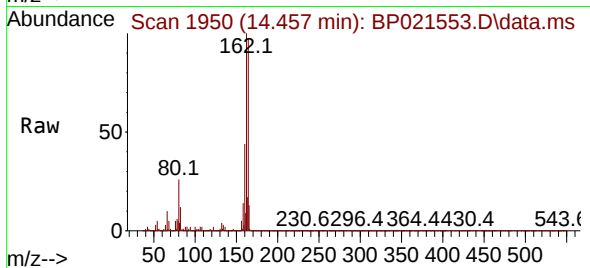
Tgt Ion:164 Resp: 1091246

Ion Ratio Lower Upper

164 100

162 102.7 81.5 122.3

160 45.0 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 73.844 ng

RT: 15.969 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

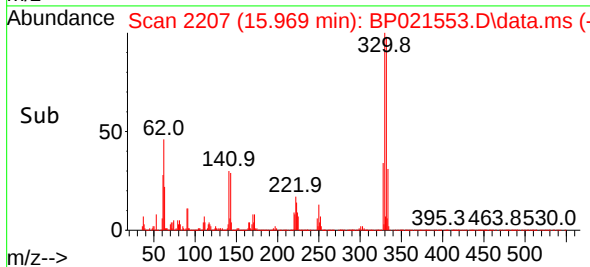
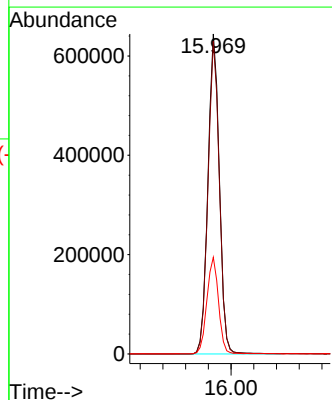
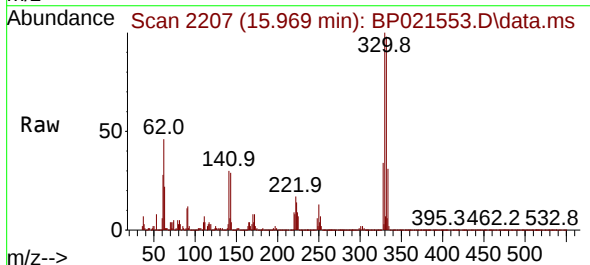
Tgt Ion:330 Resp: 896844

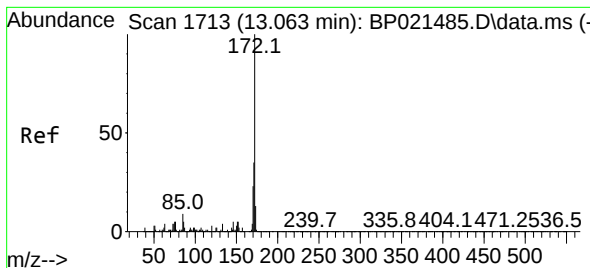
Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

141 30.5 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 31.734 ng

RT: 13.063 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

Instrument :

BNA_P

ClientSampleId :

OU4-TS-07-080724RE

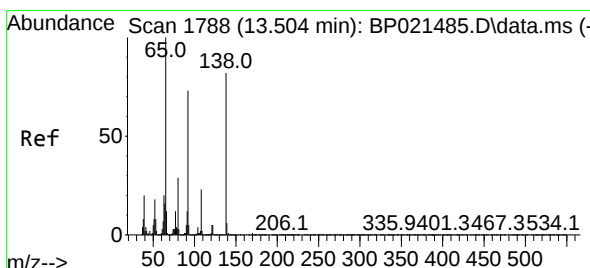
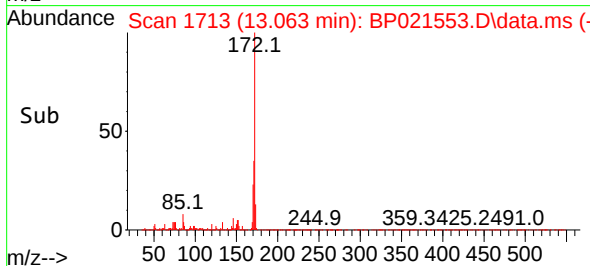
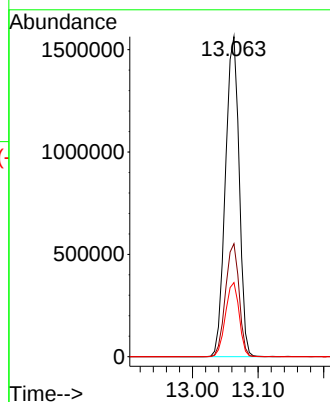
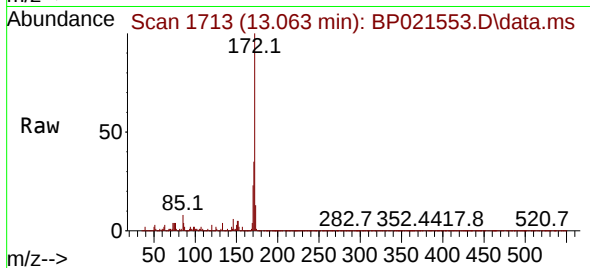
Tgt Ion:172 Resp: 2269038

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.1 18.4 27.6



#48

2-Nitroaniline

Concen: 5.174 ng

RT: 13.487 min Scan# 1785

Delta R.T. -0.017 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

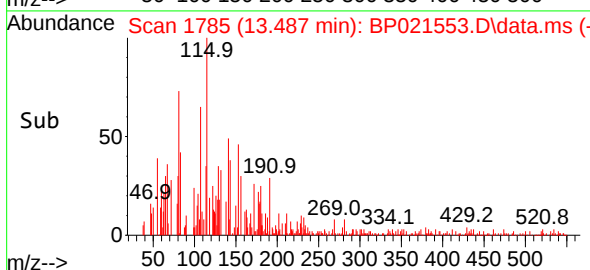
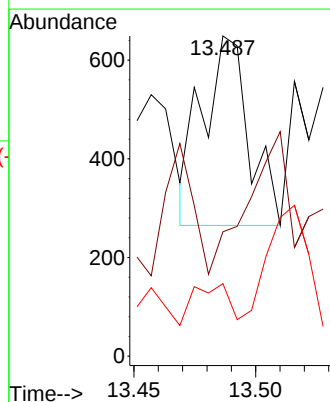
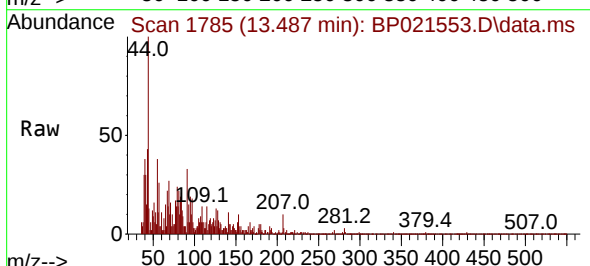
Tgt Ion: 65 Resp: 512

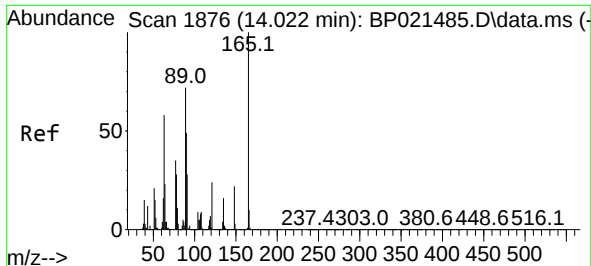
Ion Ratio Lower Upper

65 100

92 38.8 58.1 87.1#

138 22.7 65.5 98.3#

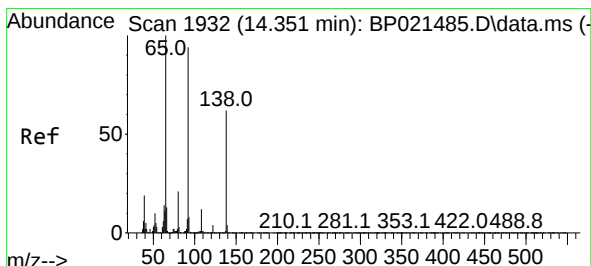
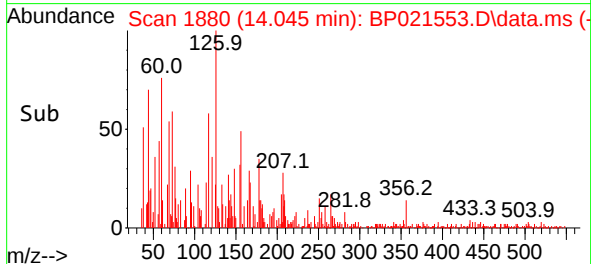
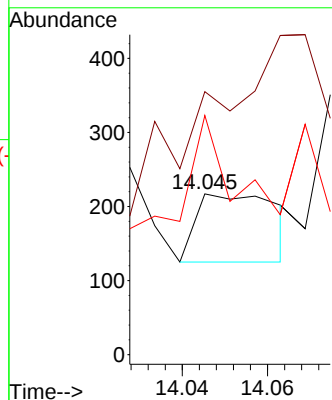
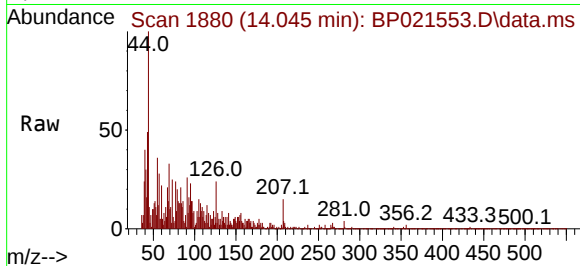




#51
2,6-Dinitrotoluene
Concen: 3.993 ng
RT: 14.045 min Scan# 1880
Delta R.T. 0.023 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

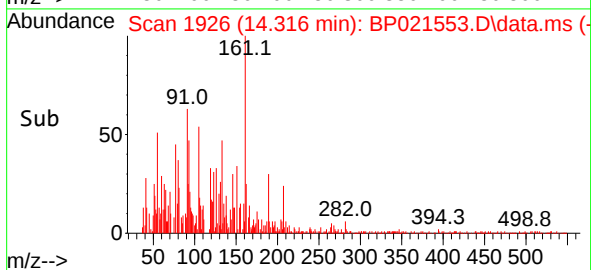
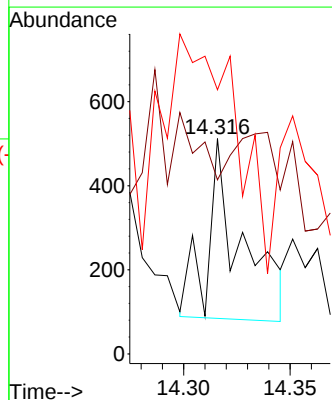
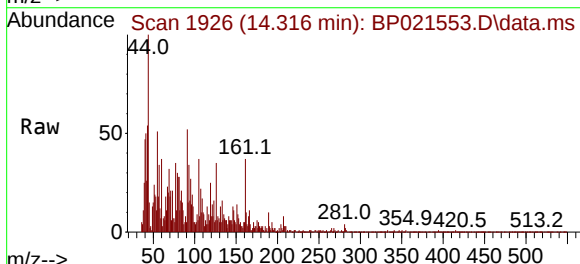
Instrument :
BNA_P
ClientSampleId :
OU4-TS-07-080724RE

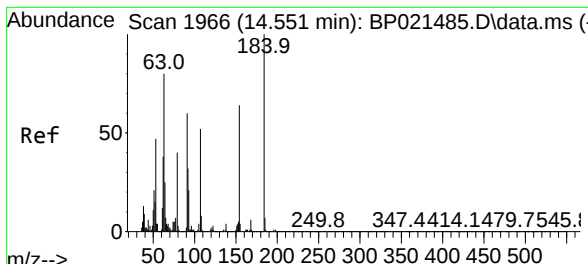
Tgt Ion:165 Resp: 121
Ion Ratio Lower Upper
165 100
63 163.6 51.5 77.3#
89 148.8 57.8 86.8#



#53
3-Nitroaniline
Concen: 4.000 ng
RT: 14.316 min Scan# 1926
Delta R.T. -0.035 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

Tgt Ion:138 Resp: 480
Ion Ratio Lower Upper
138 100
108 80.9 16.2 24.4#
92 122.7 122.2 183.4

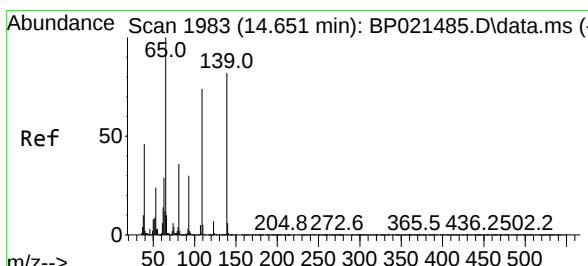
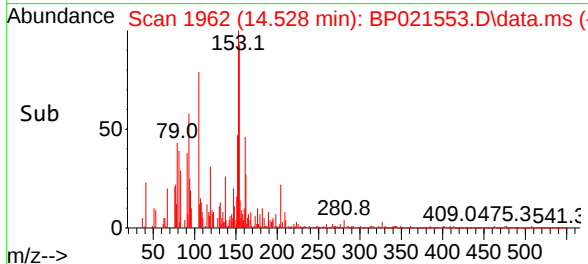
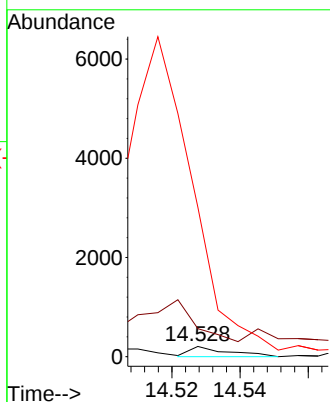
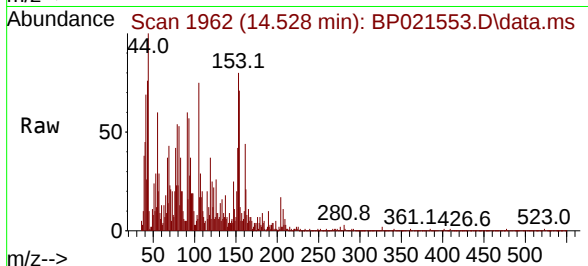




#54
2,4-Dinitrophenol
Concen: 2.491 ng
RT: 14.528 min Scan# 1962
Delta R.T. -0.023 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

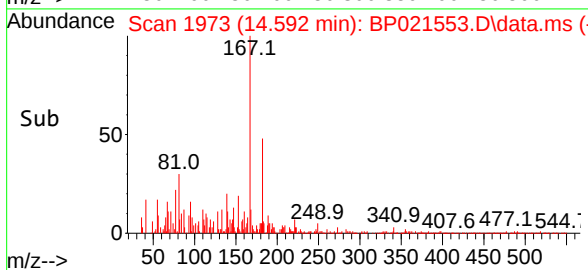
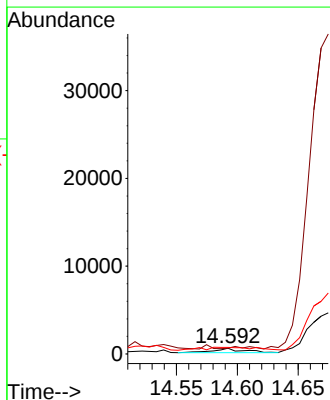
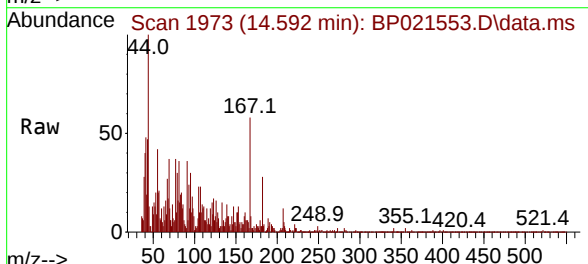
Instrument :
BNA_P
ClientSampleId :
OU4-TS-07-080724RE

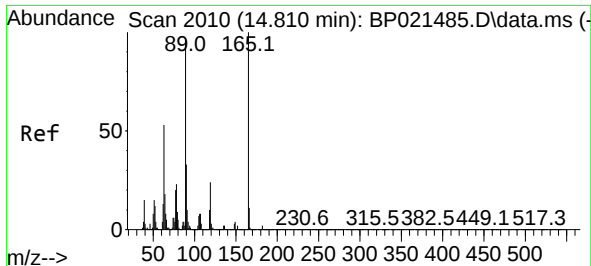
Tgt Ion:184 Resp: 162
Ion Ratio Lower Upper
184 100
63 272.5 64.9 97.3#
154 1455.1 52.1 78.1#



#56
4-Nitrophenol
Concen: 5.142 ng
RT: 14.592 min Scan# 1973
Delta R.T. -0.059 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

Tgt Ion:139 Resp: 827
Ion Ratio Lower Upper
139 100
109 101.5 70.2 110.2
65 115.1 101.8 141.8

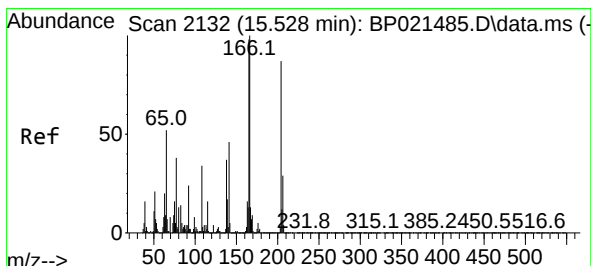
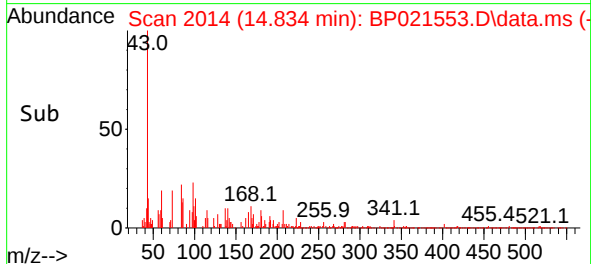
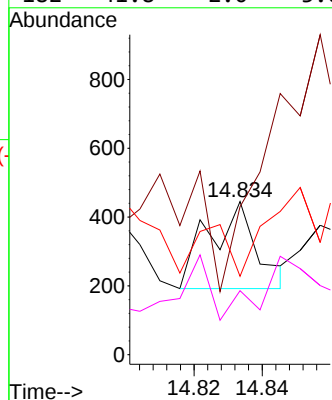
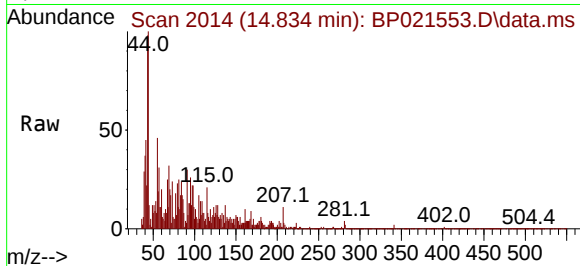




#57
2,4-Dinitrotoluene
Concen: 5.034 ng
RT: 14.834 min Scan# 20
Delta R.T. 0.024 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

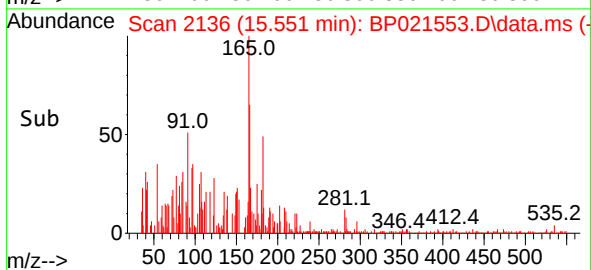
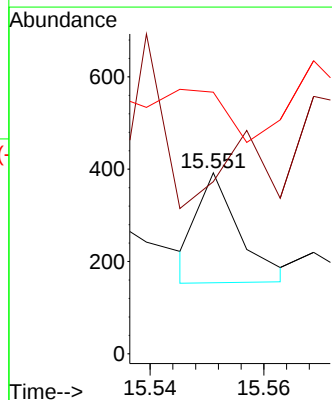
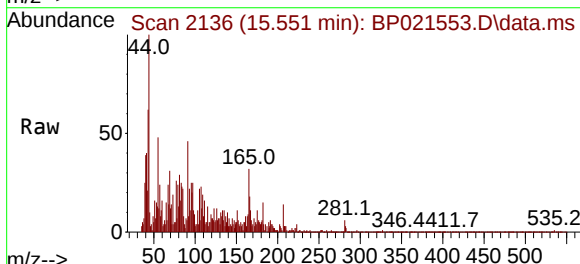
Instrument :
BNA_P
ClientSampleId :
OU4-TS-07-080724RE

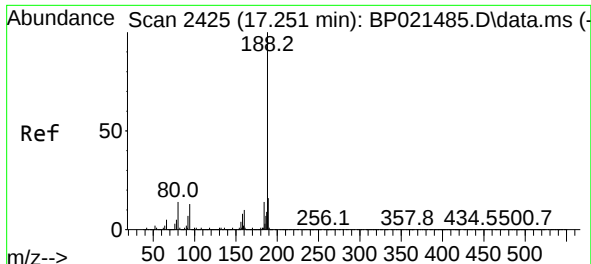
Tgt Ion:165 Resp: 248
Ion Ratio Lower Upper
165 100
63 96.6 42.5 63.7#
89 51.2 77.1 115.7#
182 41.8 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.942 ng
RT: 15.551 min Scan# 2136
Delta R.T. 0.023 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

Tgt Ion:138 Resp: 120
Ion Ratio Lower Upper
138 100
92 95.2 46.4 86.4#
108 144.6 73.2 113.2#

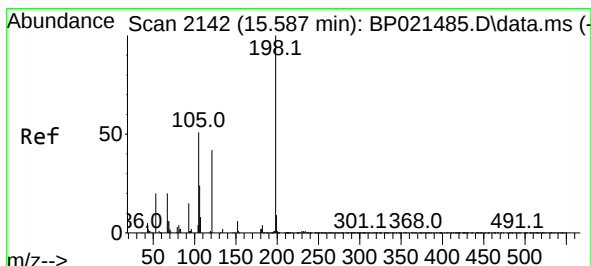
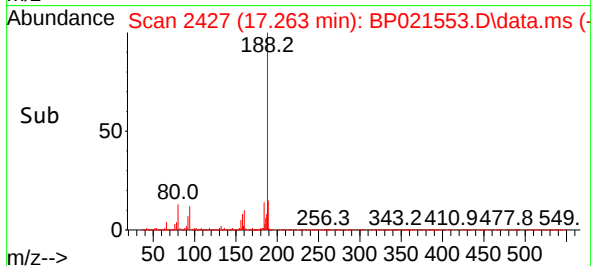
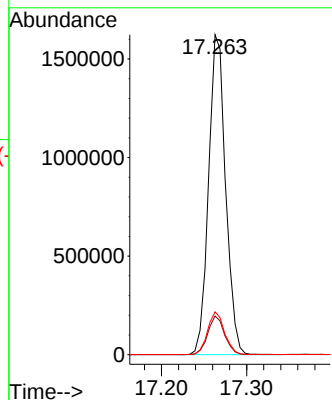
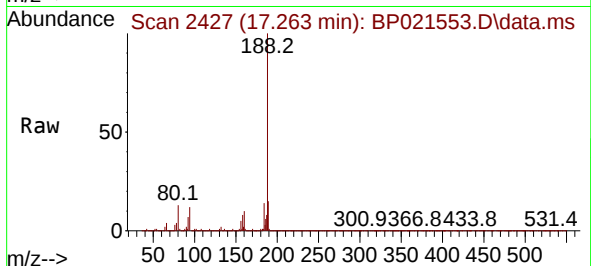




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

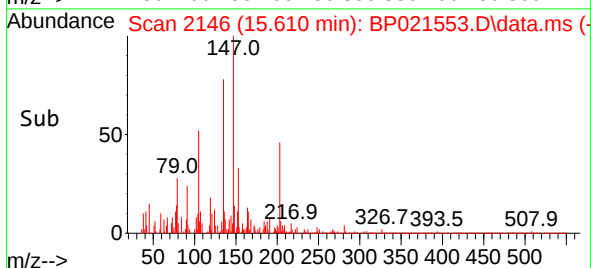
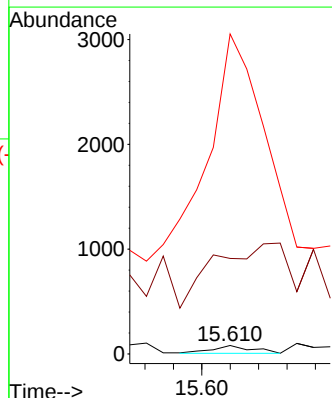
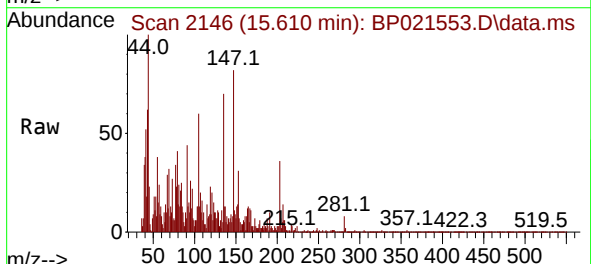
Instrument :
BNA_P
ClientSampleId :
OU4-TS-07-080724RE

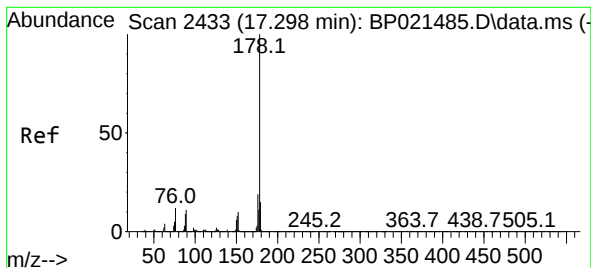
Tgt Ion:188 Resp: 2252518
Ion Ratio Lower Upper
188 100
94 12.1 10.2 15.4
80 13.4 11.6 17.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.620 ng
RT: 15.610 min Scan# 2146
Delta R.T. 0.023 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

Tgt Ion:198 Resp: 72
Ion Ratio Lower Upper
198 100
51 1124.7 21.5 61.5#
105 3770.4 32.9 72.9#





#71

Phenanthrene

Concen: 3.026 ng

RT: 17.310 min Scan# 2433

Delta R.T. 0.012 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

Instrument :

BNA_P

ClientSampleId :

OU4-TS-07-080724RE

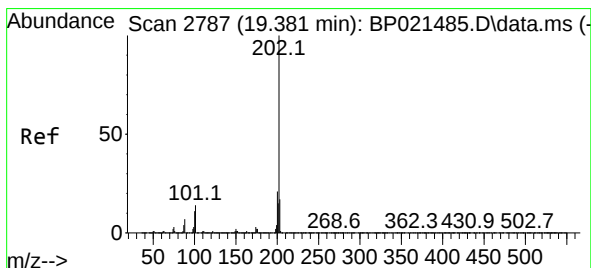
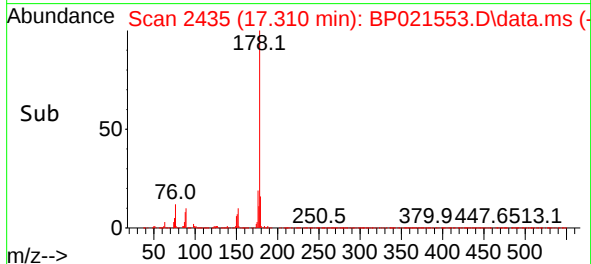
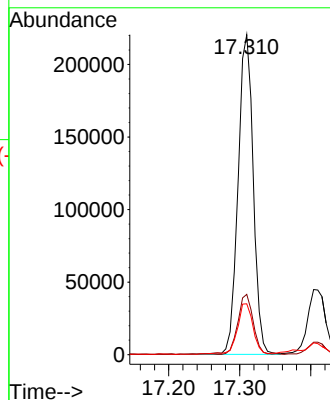
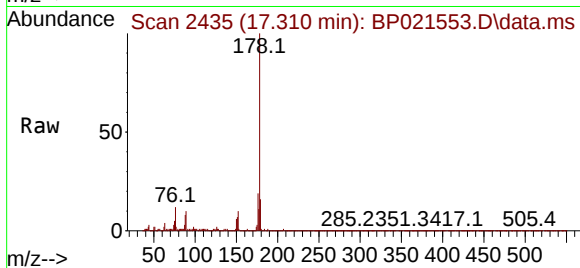
Tgt Ion:178 Resp: 327752

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.9 12.4 18.6



#75

Fluoranthene

Concen: 16.921 ng

RT: 19.404 min Scan# 2791

Delta R.T. 0.023 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

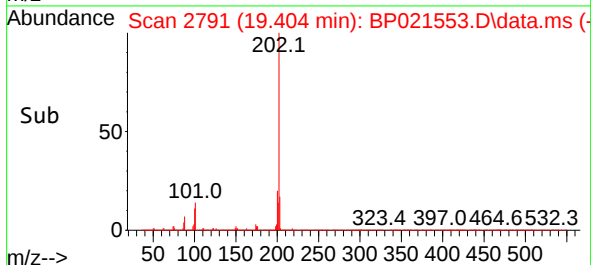
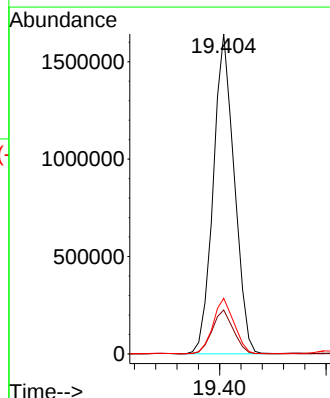
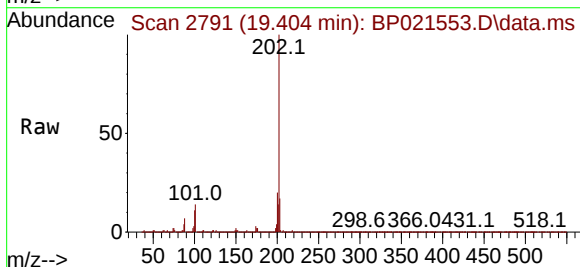
Tgt Ion:202 Resp: 2249130

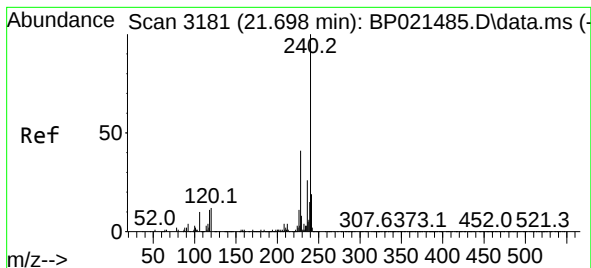
Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.0

203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.733 min Scan# 3181

Delta R.T. 0.035 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

Instrument :

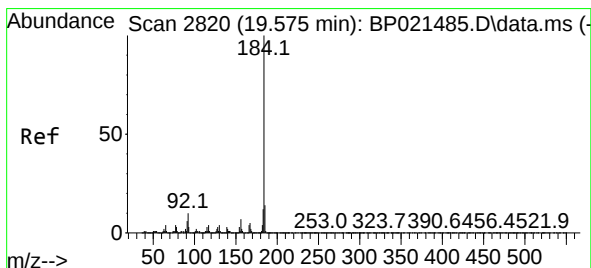
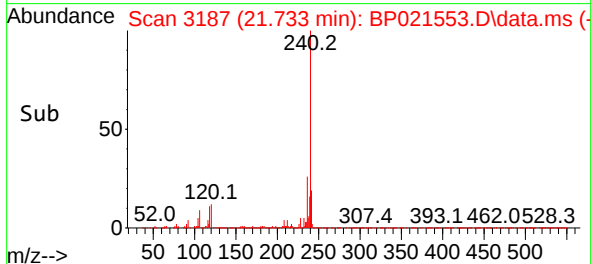
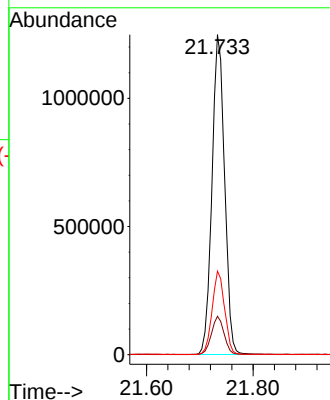
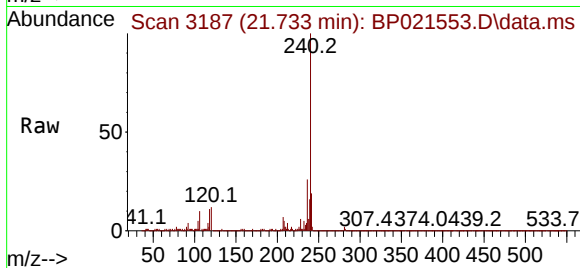
BNA_P

ClientSampleId :

OU4-TS-07-080724RE

Tgt Ion:240 Resp: 2051926

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.9	14.9
236	26.1	20.6	30.8



#77

Benzidine

Concen: 4.628 ng

RT: 19.574 min Scan# 2820

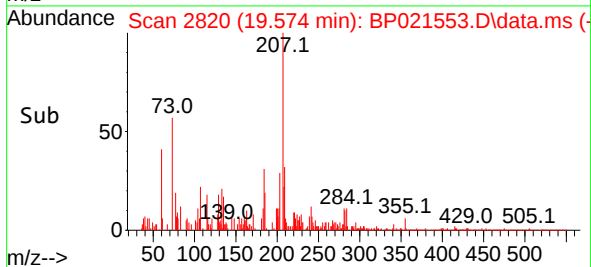
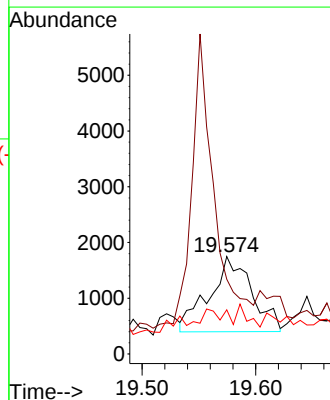
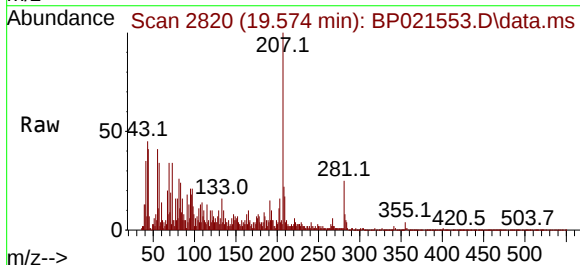
Delta R.T. -0.001 min

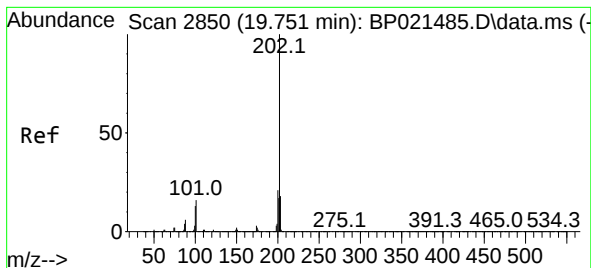
Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

Tgt Ion:184 Resp: 3492

Ion	Ratio	Lower	Upper
184	100		
185	76.7	11.4	17.0#
183	45.3	9.3	13.9#





#78

Pyrene

Concen: 12.411 ng

RT: 19.780 min Scan# 2855

Delta R.T. 0.029 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

Instrument :

BNA_P

ClientSampleId :

OU4-TS-07-080724RE

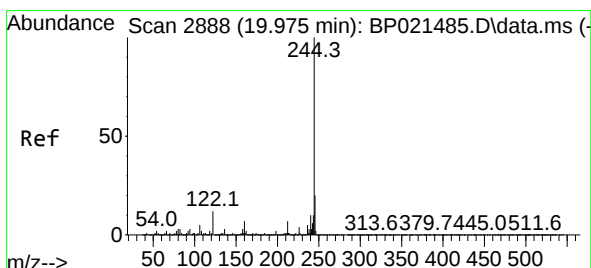
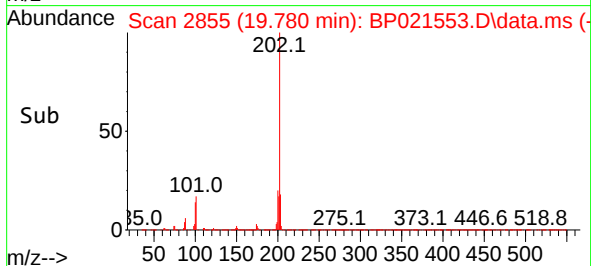
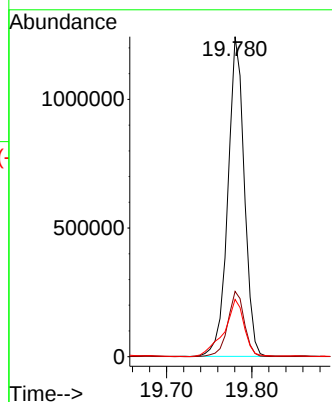
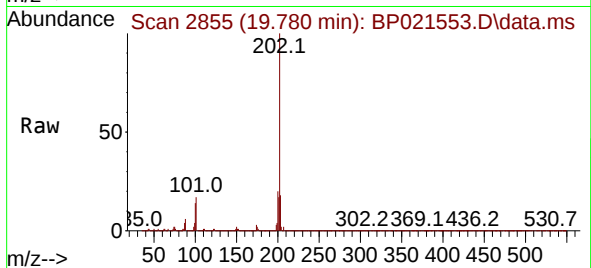
Tgt Ion:202 Resp: 1664594

Ion Ratio Lower Upper

202 100

200 20.4 16.7 25.1

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 33.778 ng

RT: 19.998 min Scan# 2892

Delta R.T. 0.023 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

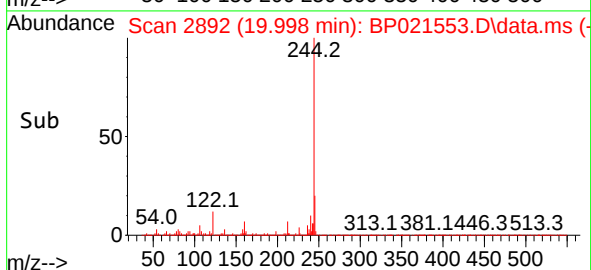
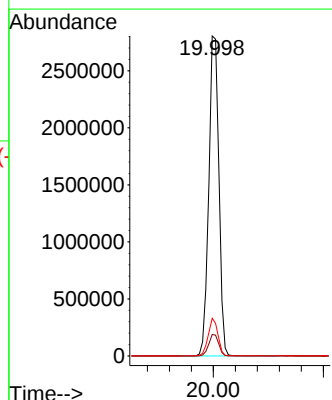
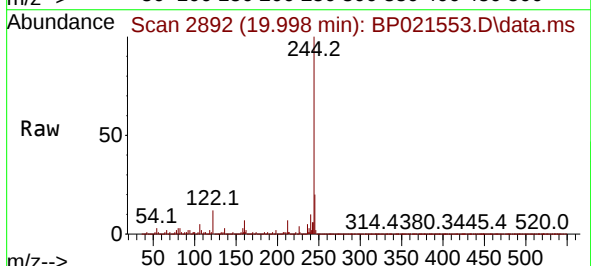
Tgt Ion:244 Resp: 3567662

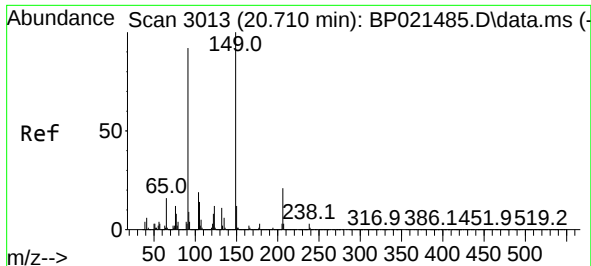
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.7 9.4 14.2

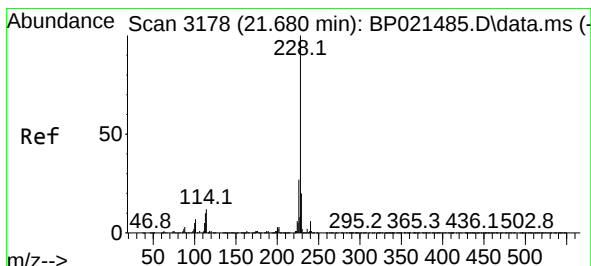
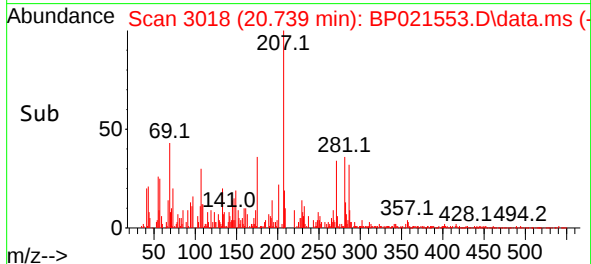
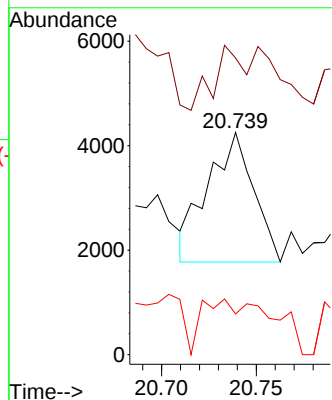
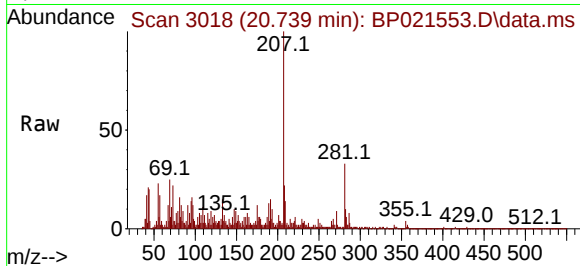




#80
Butylbenzylphthalate
Concen: 3.678 ng
RT: 20.739 min Scan# 3013
Delta R.T. 0.029 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

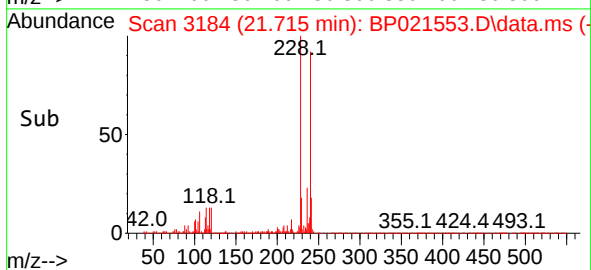
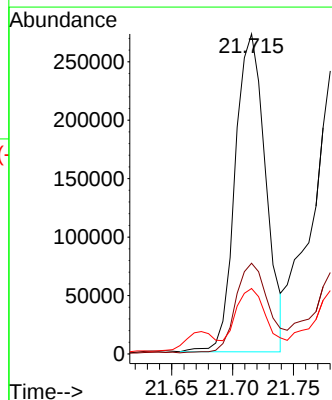
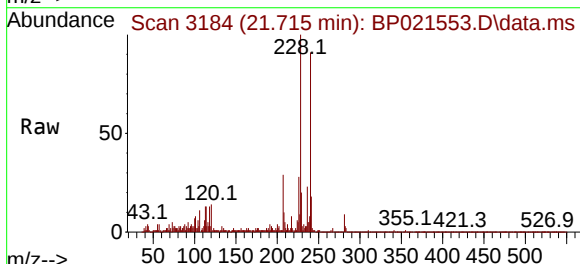
Instrument :
BNA_P
ClientSampleId :
OU4-TS-07-080724RE

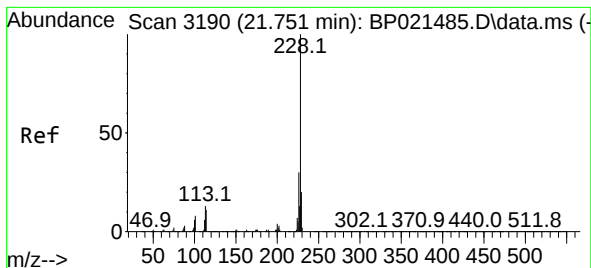
Tgt Ion:149 Resp: 4181
Ion Ratio Lower Upper
149 100
91 133.5 73.3 109.9#
206 18.4 17.1 25.7



#81
Benzo(a)anthracene
Concen: 3.690 ng
RT: 21.715 min Scan# 3184
Delta R.T. 0.035 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

Tgt Ion:228 Resp: 475309
Ion Ratio Lower Upper
228 100
226 28.4 21.4 32.2
229 20.5 15.8 23.6





#83

Chrysene

Concen: 4.888 ng

RT: 21.786 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

Instrument :

BNA_P

ClientSampleId :

OU4-TS-07-080724RE

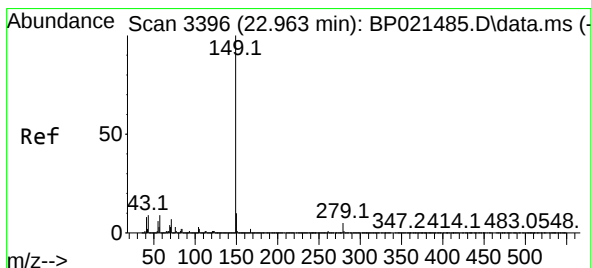
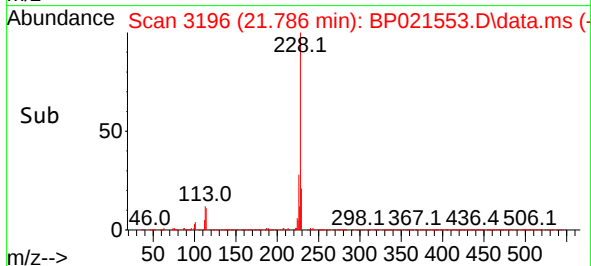
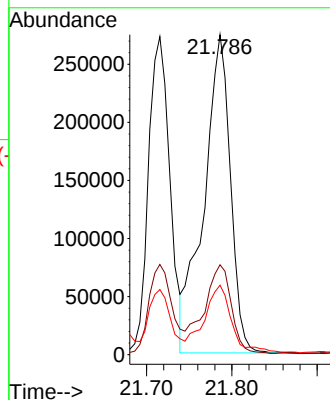
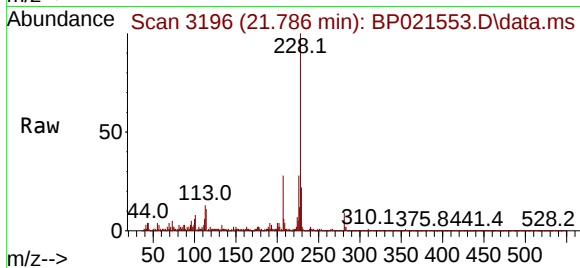
Tgt Ion:228 Resp: 594509

Ion Ratio Lower Upper

228 100

226 28.1 23.9 35.9

229 21.7 15.8 23.6



#85

Di-n-octyl phthalate

Concen: 4.853 ng

RT: 23.027 min Scan# 3407

Delta R.T. 0.064 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

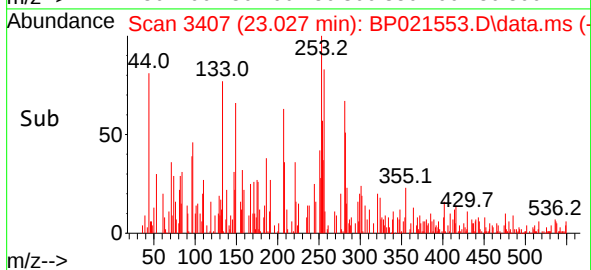
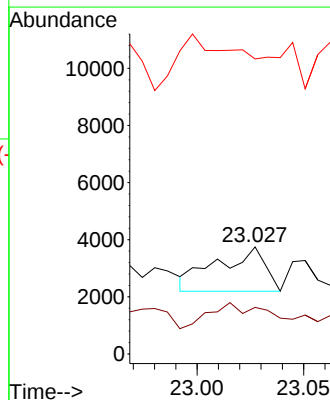
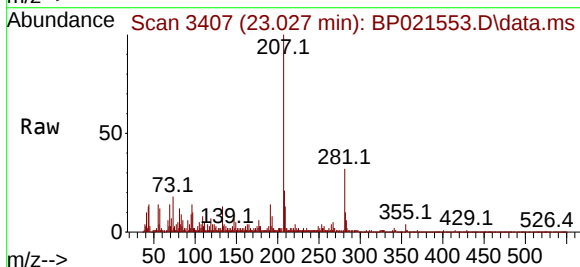
Tgt Ion:149 Resp: 2432

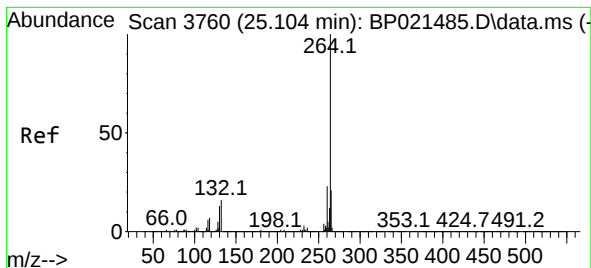
Ion Ratio Lower Upper

149 100

167 70.4 1.3 1.9#

43 0.0 7.3 10.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.192 min Scan# 31

Delta R.T. 0.088 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

Instrument :

BNA_P

ClientSampleId :

OU4-TS-07-080724RE

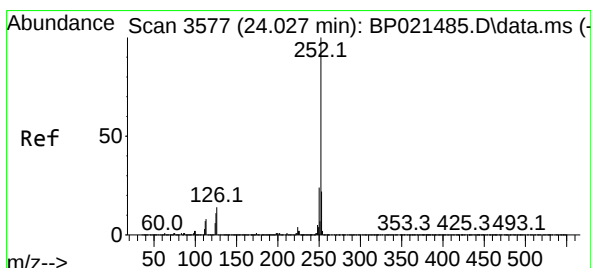
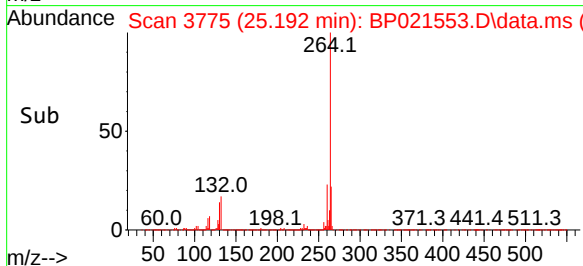
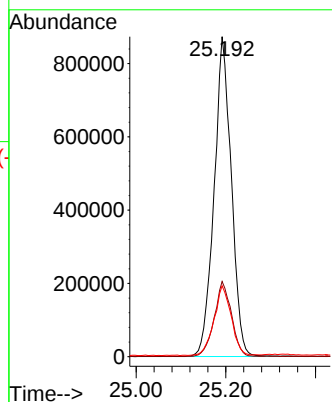
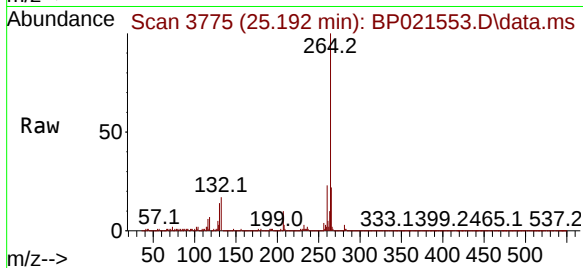
Tgt Ion:264 Resp: 2330089

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.1 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 4.785 ng

RT: 24.104 min Scan# 3590

Delta R.T. 0.076 min

Lab File: BP021553.D

Acq: 19 Aug 2024 14:33

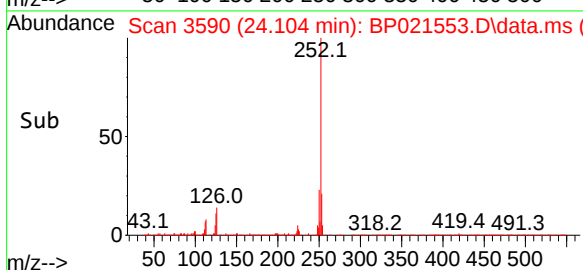
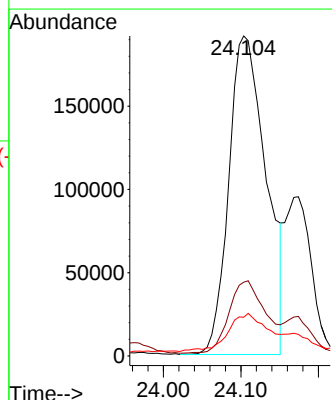
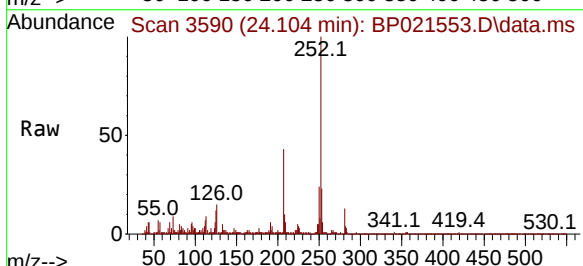
Tgt Ion:252 Resp: 640398

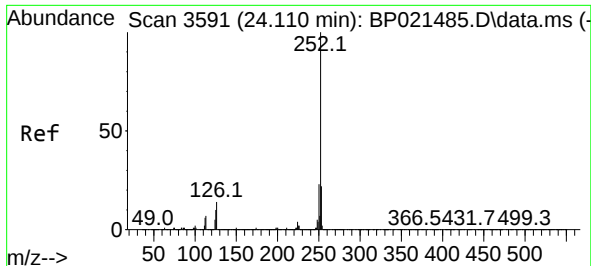
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 12.1 8.6 13.0

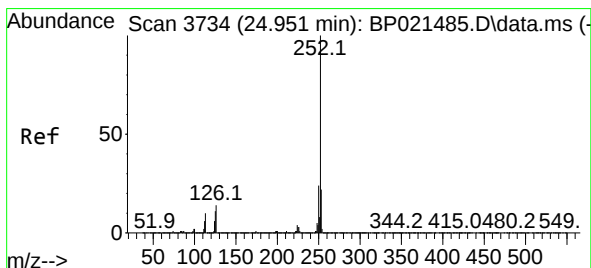
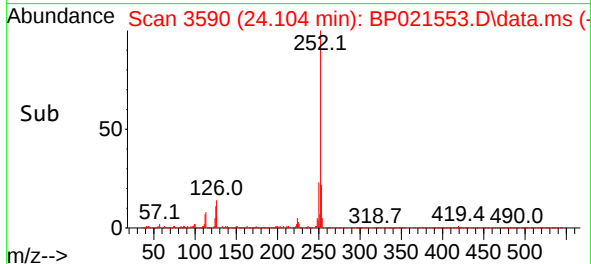
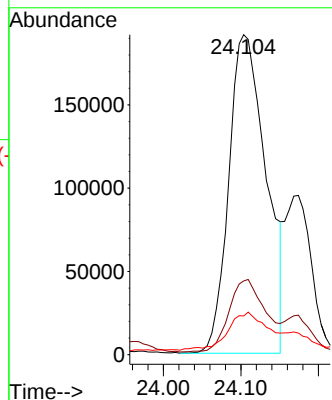
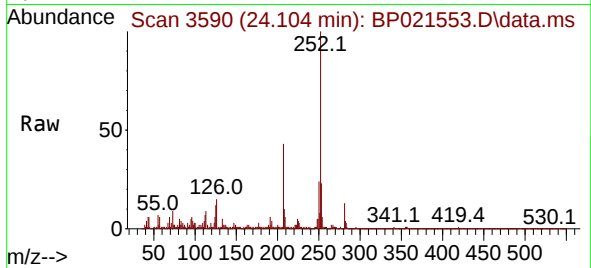




#89
Benzo(k)fluoranthene
Concen: 4.906 ng
RT: 24.104 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

Instrument :
BNA_P
ClientSampleId :
OU4-TS-07-080724RE

Tgt Ion:252 Resp: 640398
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 12.1 7.8 11.8#



#90
Benzo(a)pyrene
Concen: 2.824 ng
RT: 25.021 min Scan# 3746
Delta R.T. 0.070 min
Lab File: BP021553.D
Acq: 19 Aug 2024 14:33

Tgt Ion:252 Resp: 327993
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 13.0 8.7 13.1

