

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
 Data File : BP021588.D
 Acq On : 21 Aug 2024 02:02
 Operator : RC/JU
 Sample : P3518-29
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Aug 21 05:40:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

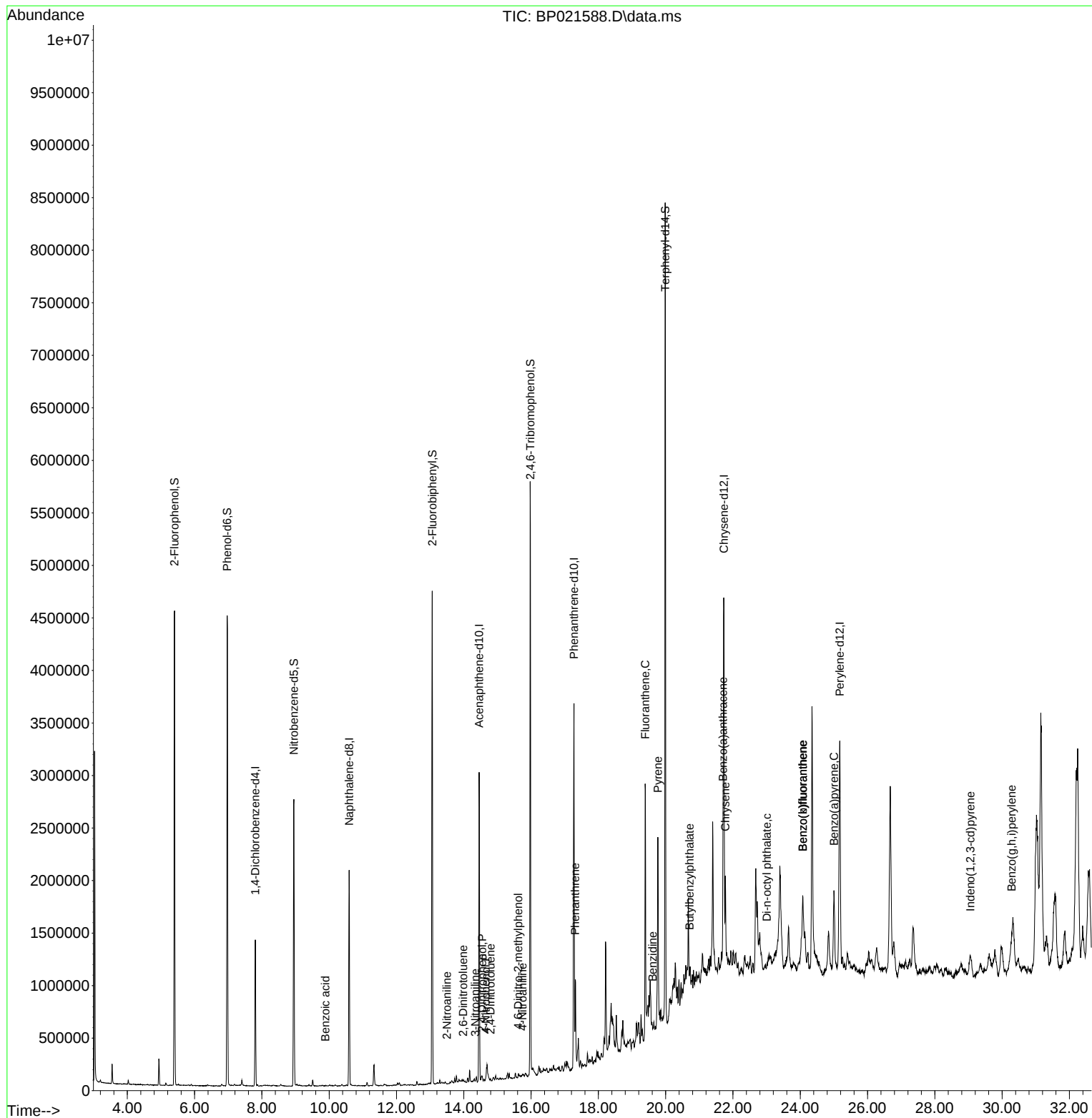
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	373642	20.000	ng	0.00
21) Naphthalene-d8	10.592	136	1543145	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	1010899	20.000	ng	0.00
64) Phenanthrene-d10	17.274	188	2225793	20.000	ng	0.02
76) Chrysene-d12	21.727	240	2026973	20.000	ng	0.03
86) Perylene-d12	25.174	264	2361305	20.000	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	2093215	83.185	ng	0.01
7) Phenol-d6	6.969	99	2957392	80.566	ng	0.00
23) Nitrobenzene-d5	8.951	82	1754120	58.672	ng	0.00
42) 2,4,6-Tribromophenol	15.980	330	1072835	95.355	ng	0.01
45) 2-Fluorobiphenyl	13.063	172	2563102	38.695	ng	0.00
79) Terphenyl-d14	19.986	244	4191428	40.172	ng	0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.675	139	92	Below Cal	#	1
32) Benzoic acid	9.886	122	223	3.346	ng	# 1
48) 2-Nitroaniline	13.498	65	57	5.151	ng	# 65
51) 2,6-Dinitrotoluene	13.980	165	178	3.998	ng	# 85
53) 3-Nitroaniline	14.339	138	257	3.987	ng	# 40
54) 2,4-Dinitrophenol	14.551	184	21	2.439	ng	# 1
56) 4-Nitrophenol	14.651	139	361	5.109	ng	# 1
57) 2,4-Dinitrotoluene	14.798	165	338	5.040	ng	# 59
62) 4-Nitroaniline	15.745	138	1050	3.006	ng	# 90
65) 4,6-Dinitro-2-methylph...	15.621	198	125	4.630	ng	# 1
71) Phenanthrene	17.315	178	527897	4.932	ng	# 100
75) Fluoranthene	19.392	202	1403514	10.686	ng	# 99
77) Benzidine	19.609	184	303	4.577	ng	# 1
78) Pyrene	19.768	202	1236146	9.330	ng	# 99
80) Butylbenzylphthalate	20.715	149	15997	3.897	ng	# 58
81) Benzo(a)anthracene	21.703	228	631227	4.961	ng	# 94
83) Chrysene	21.774	228	592694	4.933	ng	# 97
85) Di-n-octyl phthalate	23.003	149	1139	4.844	ng	# 1
87) Indeno(1,2,3-cd)pyrene	29.056	276	445350	2.910	ng	# 98
88) Benzo(b)fluoranthene	24.074	252	863050	6.364	ng	# 96
89) Benzo(k)fluoranthene	24.074	252	863050	6.524	ng	# 95
90) Benzo(a)pyrene	25.003	252	605145	5.142	ng	# 96
92) Benzo(g,h,i)perylene	30.279	276	415294	3.258	ng	# 96

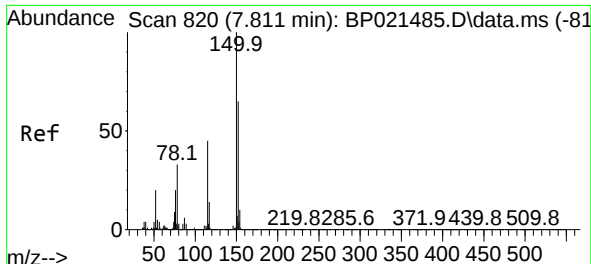
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-TS-15-080724RE

Quant Time: Aug 21 05:40:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

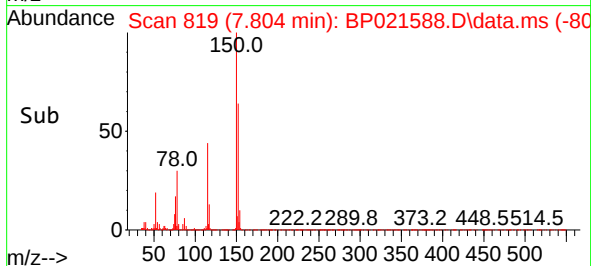
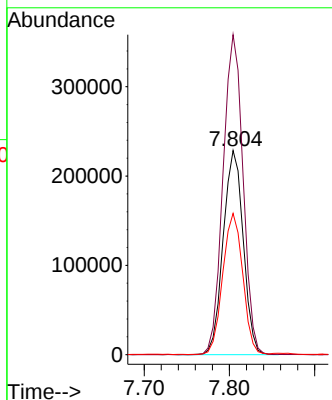
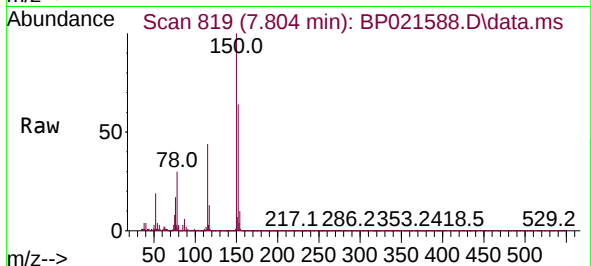




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

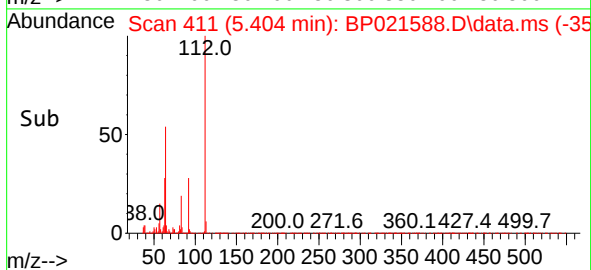
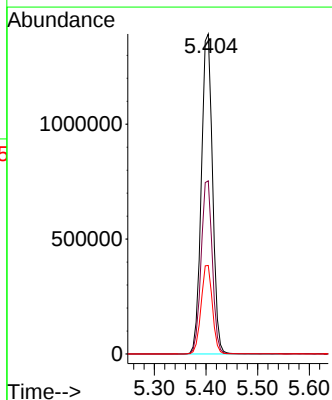
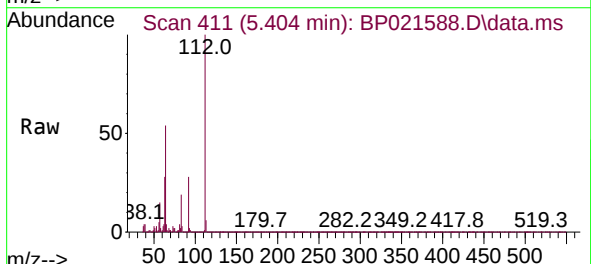
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE

Tgt Ion:152 Resp: 373642
Ion Ratio Lower Upper
152 100
150 156.7 122.4 183.6
115 69.2 54.7 82.1



#5
2-Fluorophenol
Concen: 83.185 ng
RT: 5.404 min Scan# 411
Delta R.T. 0.011 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Tgt Ion:112 Resp: 2093215
Ion Ratio Lower Upper
112 100
64 54.1 49.0 73.6
63 27.6 24.6 36.8



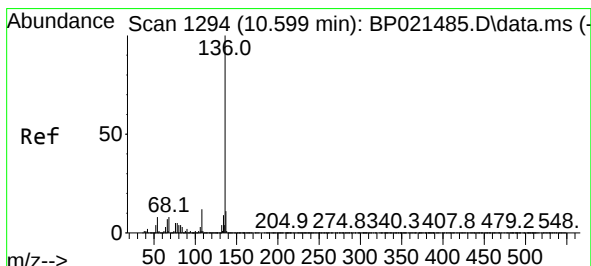
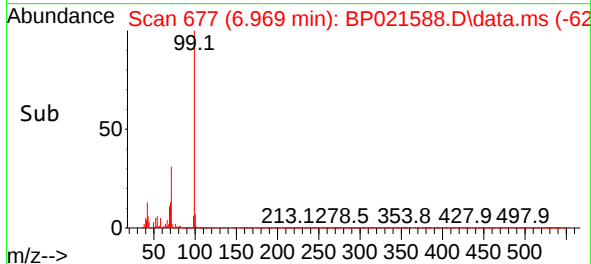
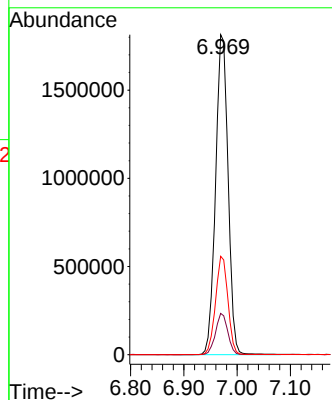
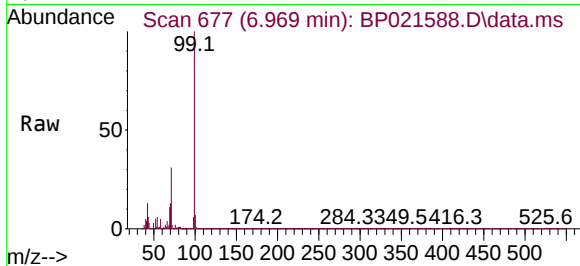


#7
Phenol-d6
Concen: 80.566 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.005 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

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

Tgt Ion: 99 Resp: 2957392

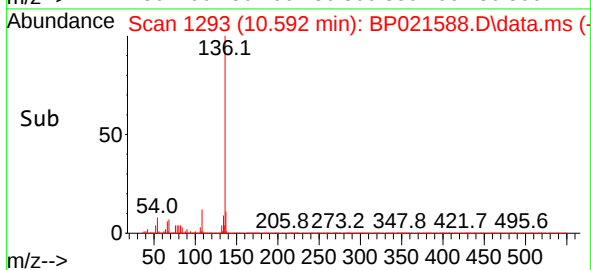
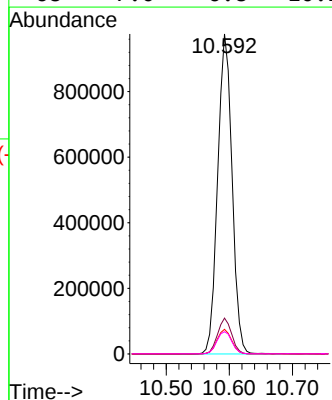
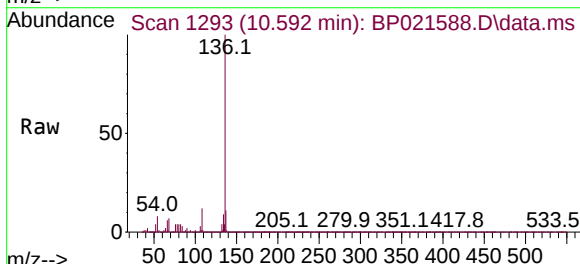
Ion	Ratio	Lower	Upper
99	100		
42	12.9	10.2	15.4
71	30.8	25.8	38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.592 min Scan# 1293
Delta R.T. -0.007 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Tgt Ion: 136 Resp: 1543145

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.7	6.3	9.5
68	7.0	6.8	10.2

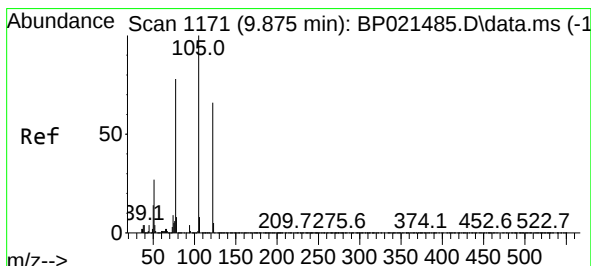
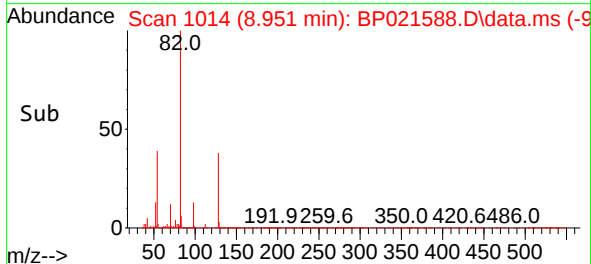
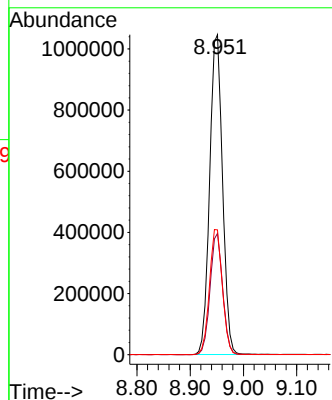
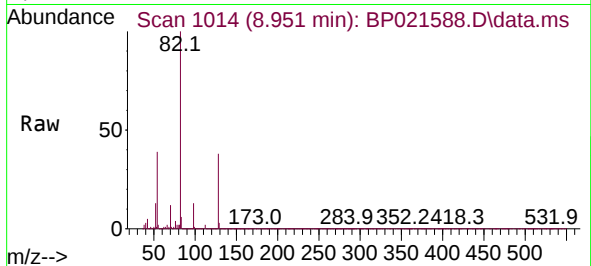




#23
Nitrobenzene-d5
Concen: 58.672 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

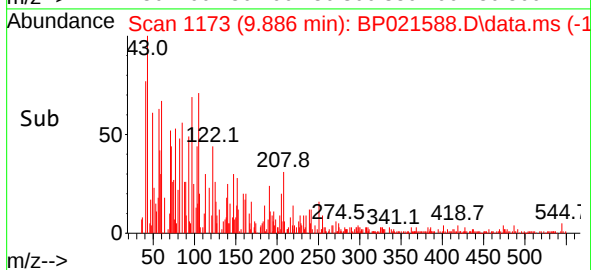
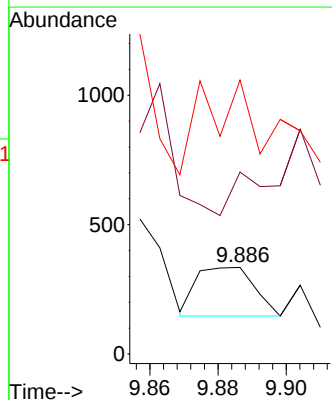
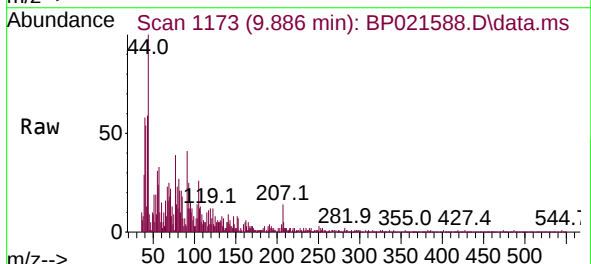
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE

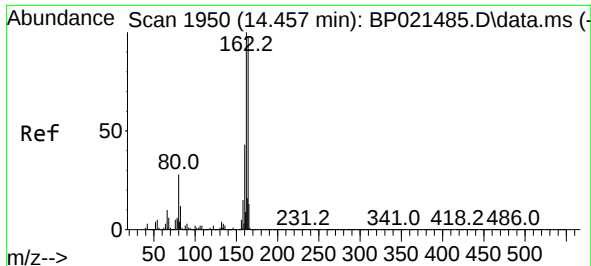
Tgt Ion: 82 Resp: 1754120
Ion Ratio Lower Upper
82 100
128 37.9 26.5 39.7
54 39.0 30.3 45.5



#32
Benzoic acid
Concen: 3.346 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Tgt Ion:122 Resp: 223
Ion Ratio Lower Upper
122 100
105 209.9 124.6 164.6#
77 316.1 96.2 136.2#

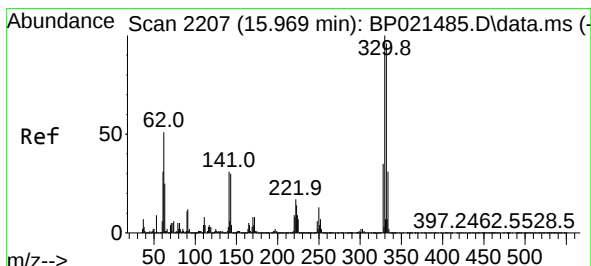
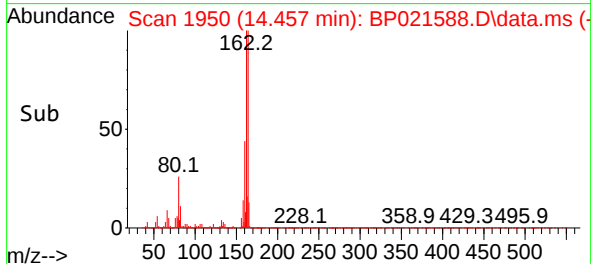
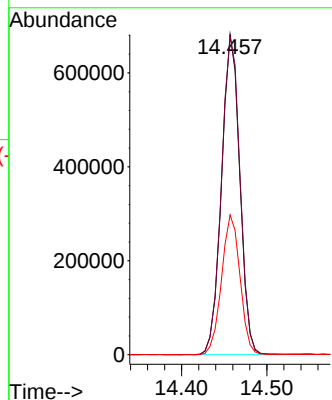
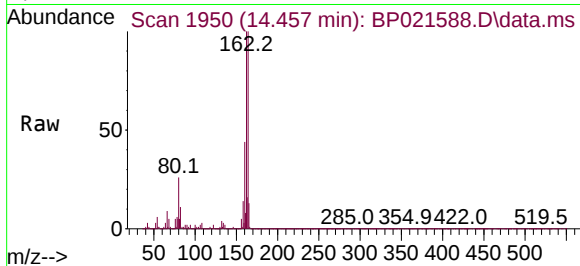




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

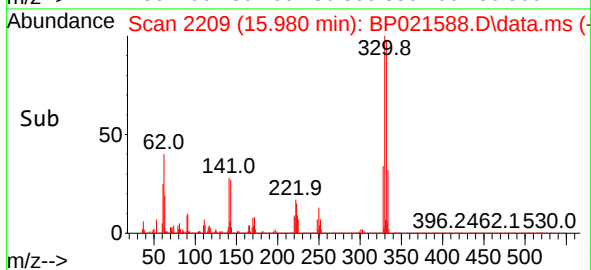
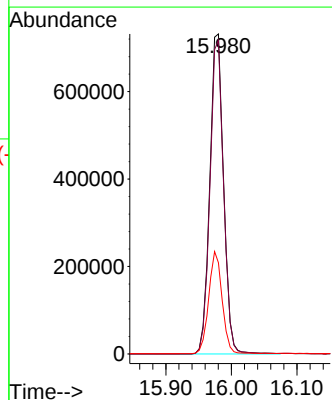
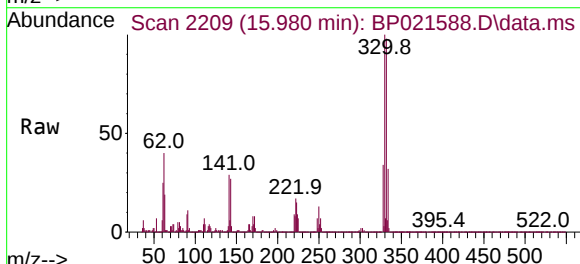
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE

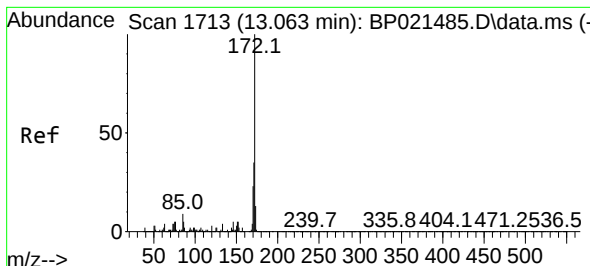
Tgt Ion:164 Resp: 1010899
Ion Ratio Lower Upper
164 100
162 99.5 81.5 122.3
160 43.7 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 95.355 ng
RT: 15.980 min Scan# 2209
Delta R.T. 0.011 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Tgt Ion:330 Resp: 1072835
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 31.0 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 38.695 ng

RT: 13.063 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724RE

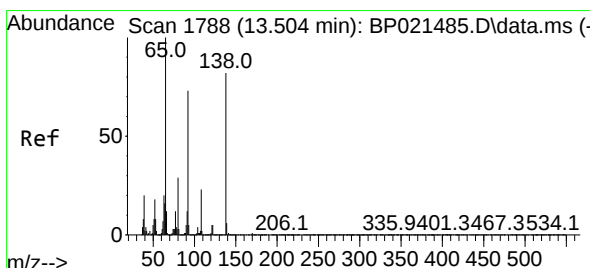
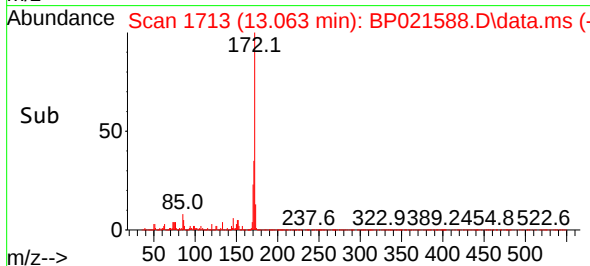
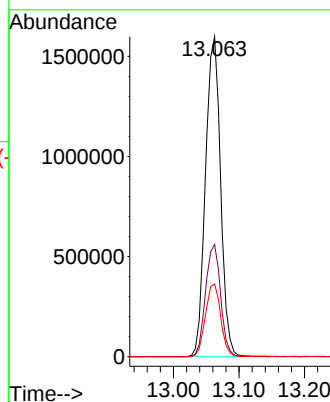
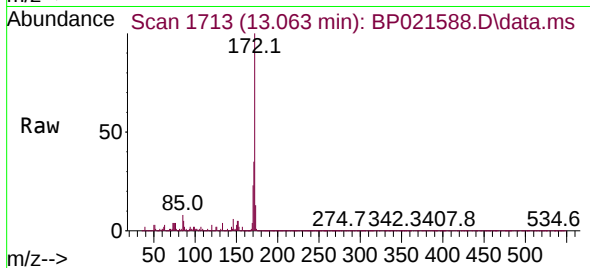
Tgt Ion:172 Resp: 2563102

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.7 18.4 27.6



#48

2-Nitroaniline

Concen: 5.151 ng

RT: 13.498 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

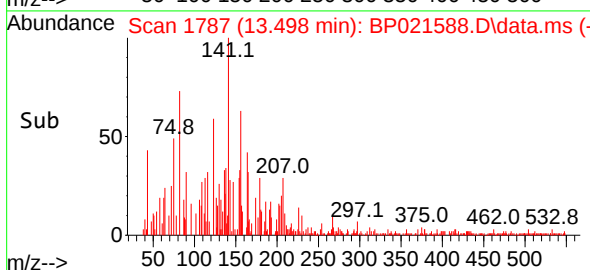
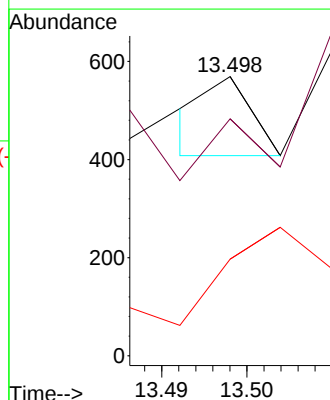
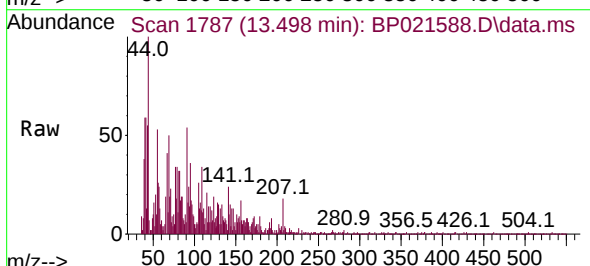
Tgt Ion: 65 Resp: 57

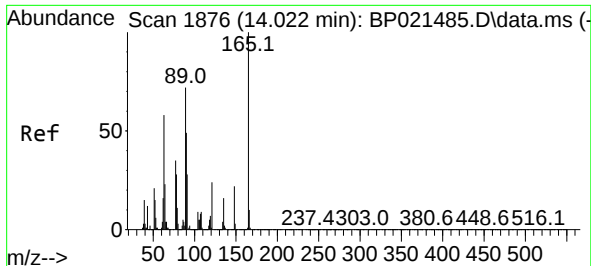
Ion Ratio Lower Upper

65 100

92 84.9 58.1 87.1

138 34.6 65.5 98.3#

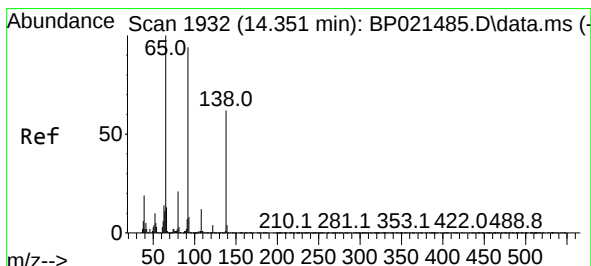
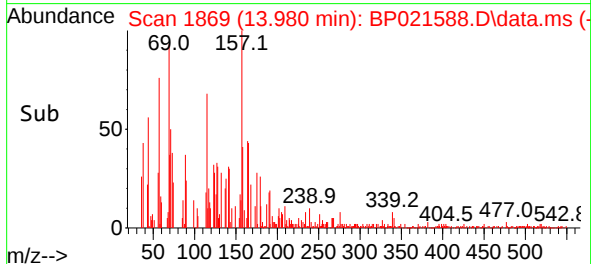
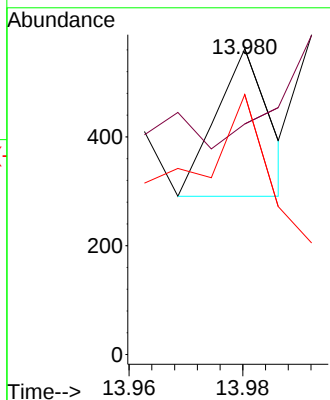
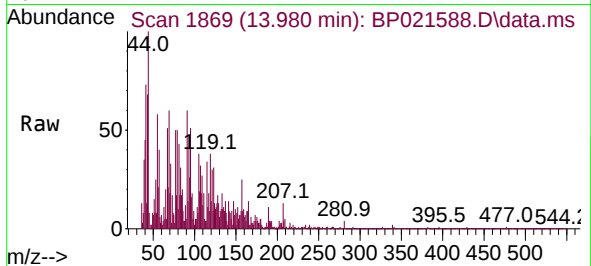




#51
2,6-Dinitrotoluene
Concen: 3.998 ng
RT: 13.980 min Scan# 1869
Delta R.T. -0.042 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

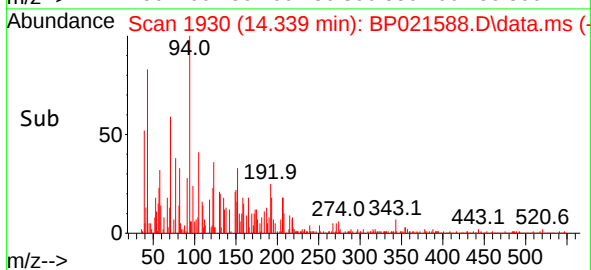
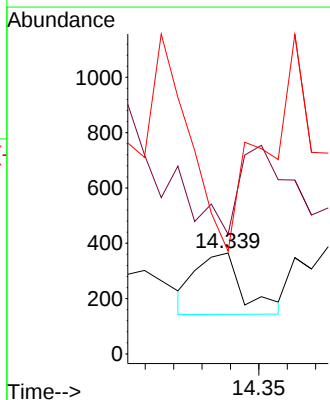
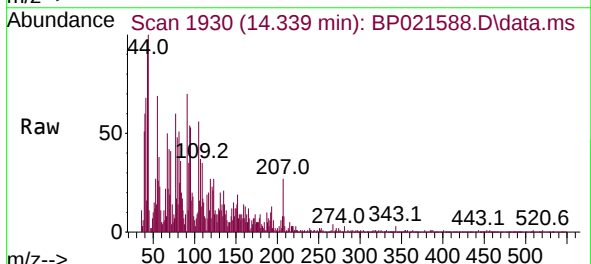
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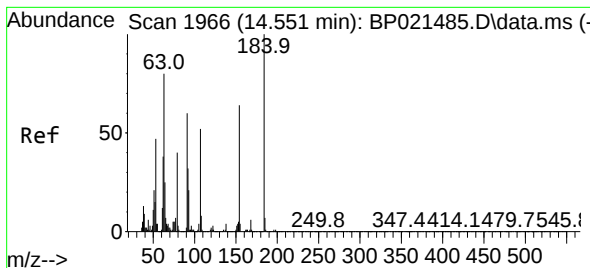
Tgt Ion:165 Resp: 178
Ion Ratio Lower Upper
165 100
63 75.4 51.5 77.3
89 85.1 57.8 86.8



#53
3-Nitroaniline
Concen: 3.987 ng
RT: 14.339 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Tgt Ion:138 Resp: 257
Ion Ratio Lower Upper
138 100
108 118.6 16.2 24.4#
92 101.6 122.2 183.4#





#54

2,4-Dinitrophenol

Concen: 2.439 ng

RT: 14.551 min Scan# 1966

Delta R.T. -0.000 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724RE

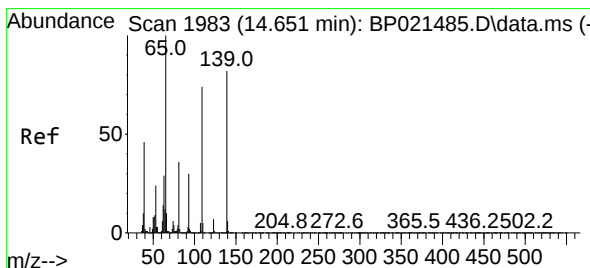
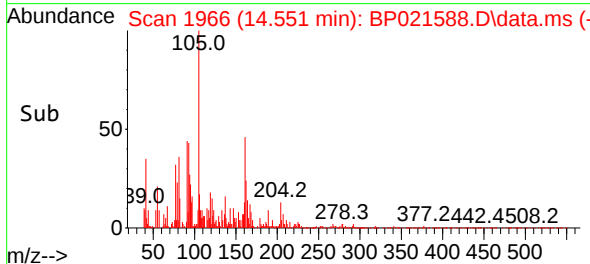
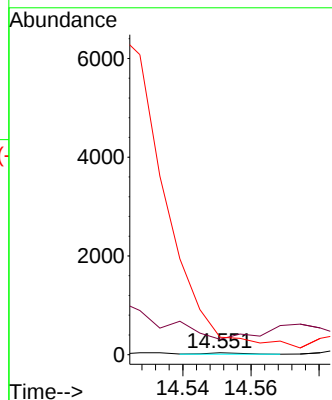
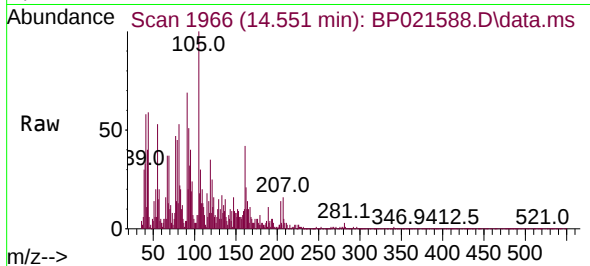
Tgt Ion:184 Resp: 21

Ion Ratio Lower Upper

184 100

63 758.5 64.9 97.3#

154 865.9 52.1 78.1#



#56

4-Nitrophenol

Concen: 5.109 ng

RT: 14.651 min Scan# 1983

Delta R.T. -0.000 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

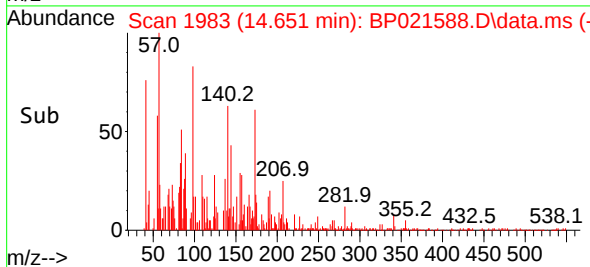
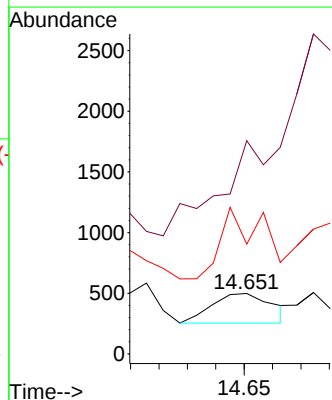
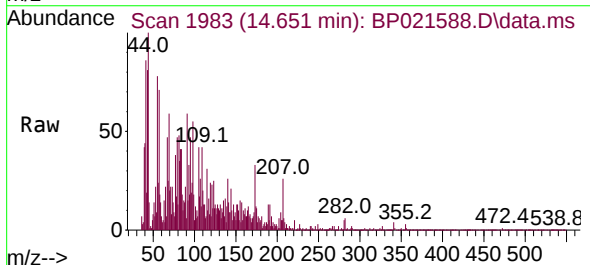
Tgt Ion:139 Resp: 361

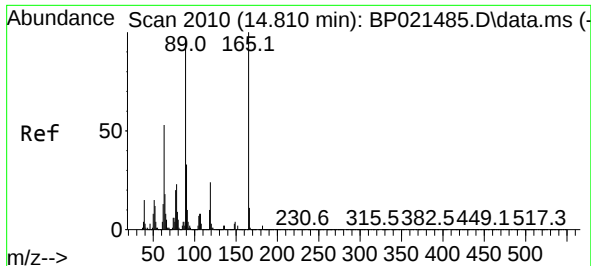
Ion Ratio Lower Upper

139 100

109 352.8 70.2 110.2#

65 181.5 101.8 141.8#





#57

2,4-Dinitrotoluene

Concen: 5.040 ng

RT: 14.798 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724RE

Tgt Ion:165 Resp: 338

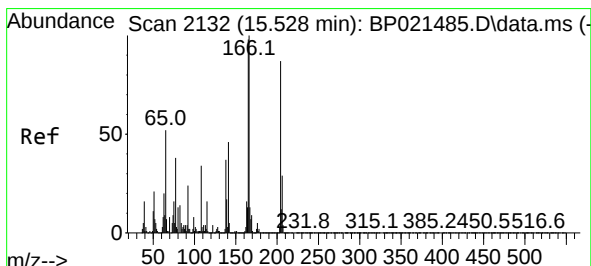
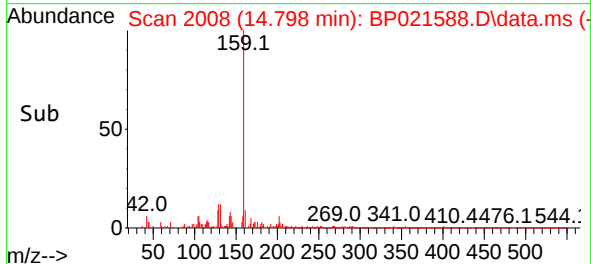
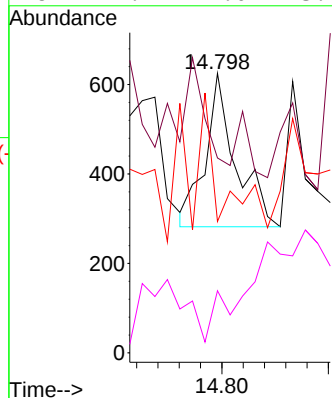
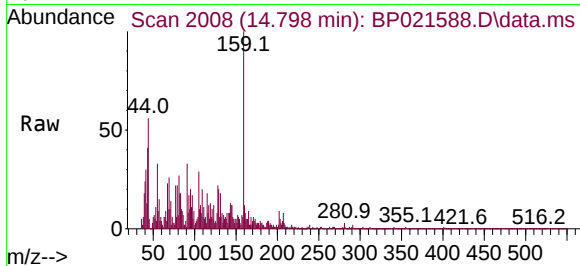
Ion Ratio Lower Upper

165 100

63 69.8 42.5 63.7#

89 47.0 77.1 115.7#

182 22.2 2.0 3.0#



#62

4-Nitroaniline

Concen: 3.006 ng

RT: 15.745 min Scan# 2169

Delta R.T. 0.217 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

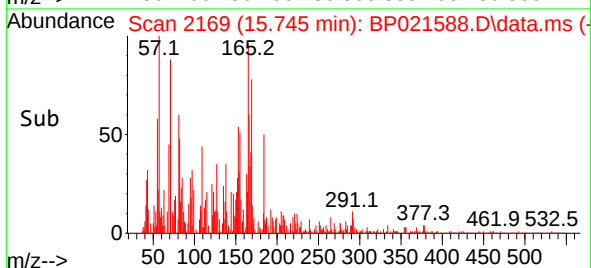
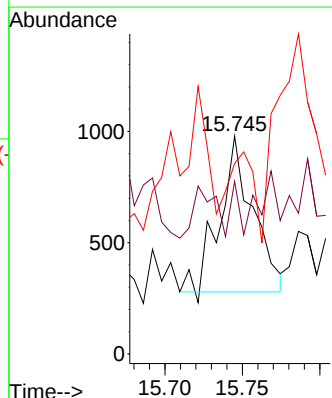
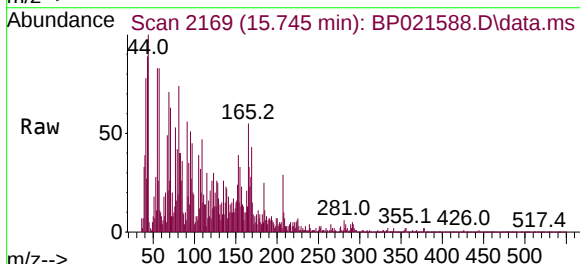
Tgt Ion:138 Resp: 1050

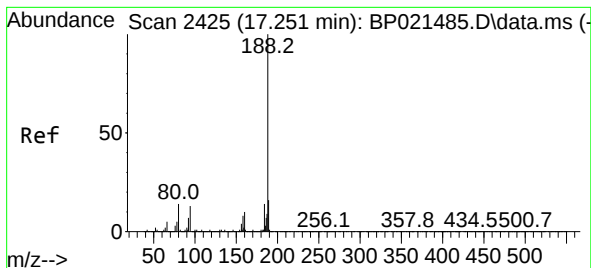
Ion Ratio Lower Upper

138 100

92 79.3 46.4 86.4

108 87.4 73.2 113.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.274 min Scan# 2425

Delta R.T. 0.023 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724RE

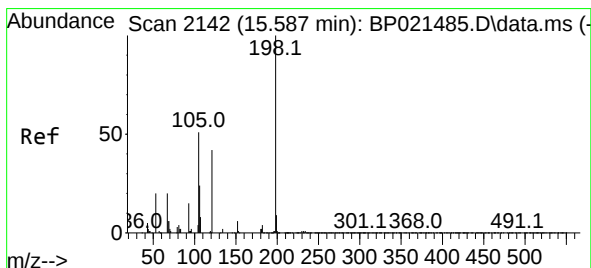
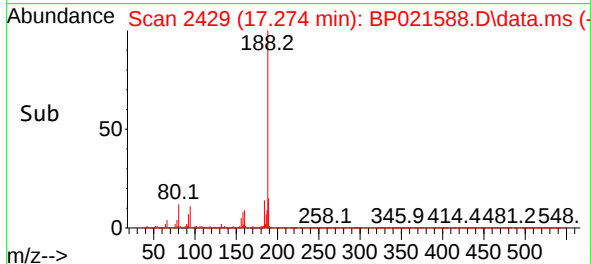
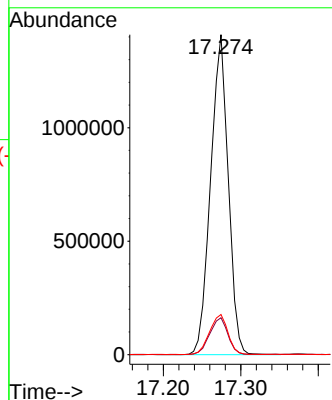
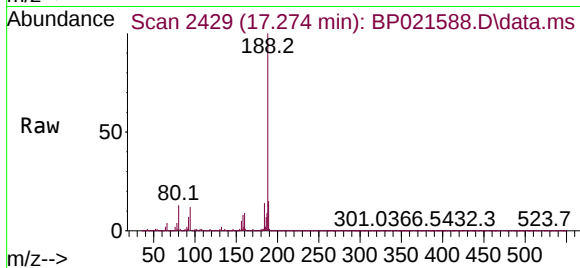
Tgt Ion:188 Resp: 2225793

Ion Ratio Lower Upper

188 100

94 11.5 10.2 15.4

80 12.5 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.630 ng

RT: 15.621 min Scan# 2148

Delta R.T. 0.034 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

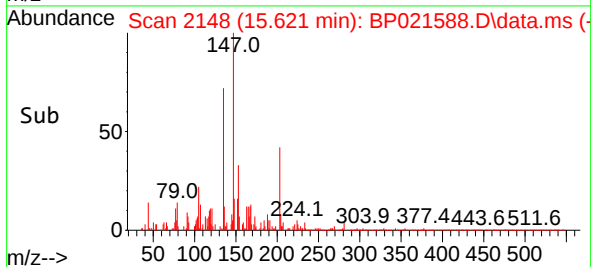
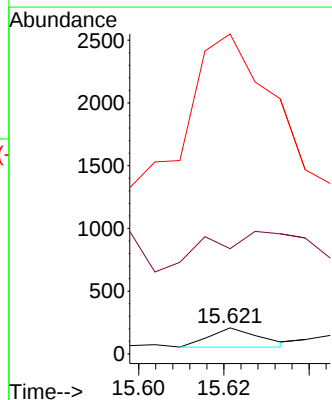
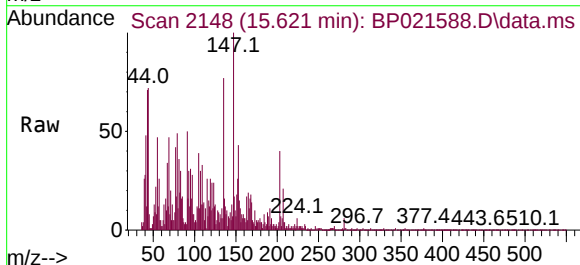
Tgt Ion:198 Resp: 125

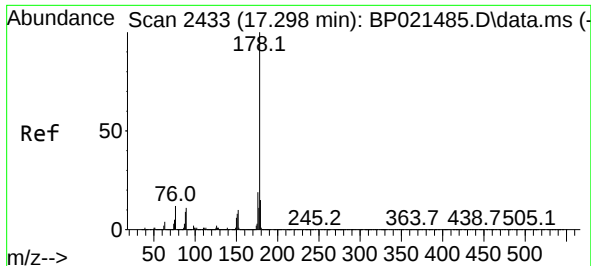
Ion Ratio Lower Upper

198 100

51 405.3 21.5 61.5#

105 1231.9 32.9 72.9#

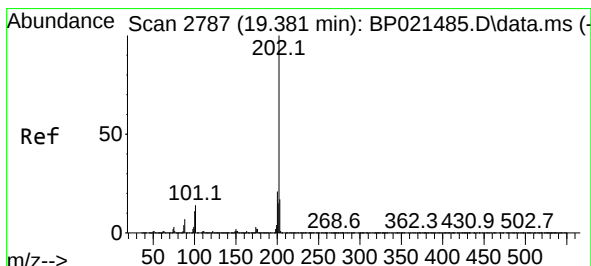
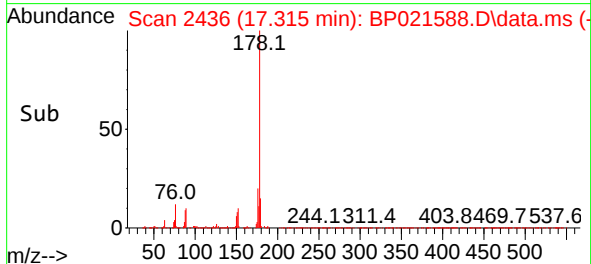
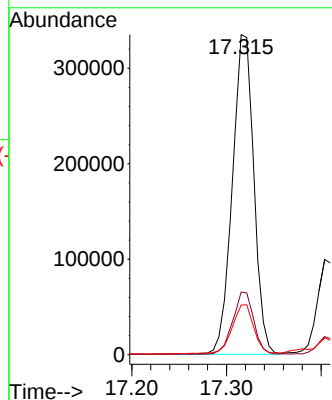
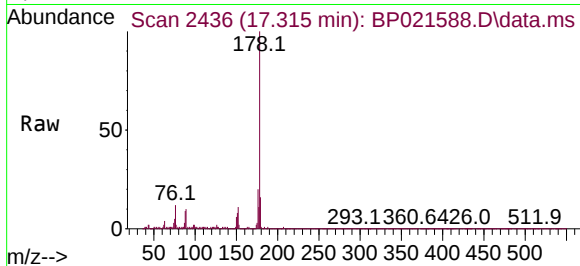




#71
Phenanthrene
Concen: 4.932 ng
RT: 17.315 min Scan# 2433
Delta R.T. 0.017 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

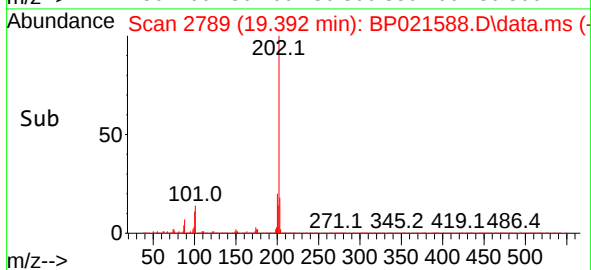
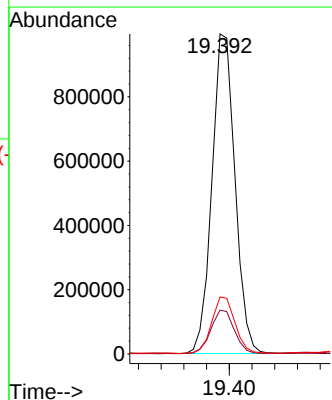
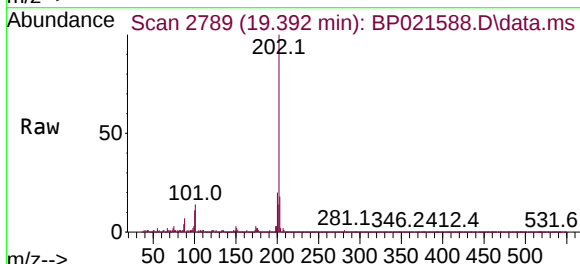
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE

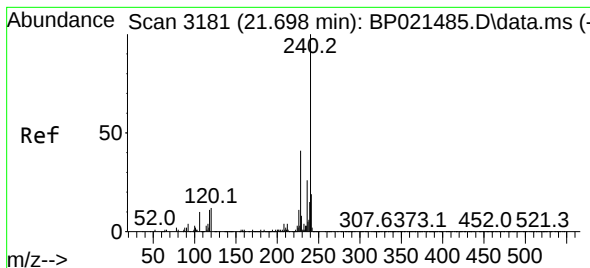
Tgt Ion:178 Resp: 527897
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.5 12.4 18.6



#75
Fluoranthene
Concen: 10.686 ng
RT: 19.392 min Scan# 2789
Delta R.T. 0.011 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Tgt Ion:202 Resp: 1403514
Ion Ratio Lower Upper
202 100
101 13.7 0.0 34.0
203 17.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.727 min Scan# 3181

Delta R.T. 0.029 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724RE

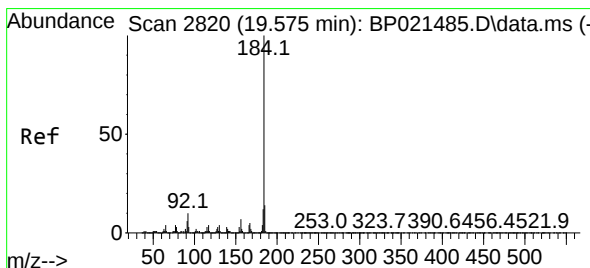
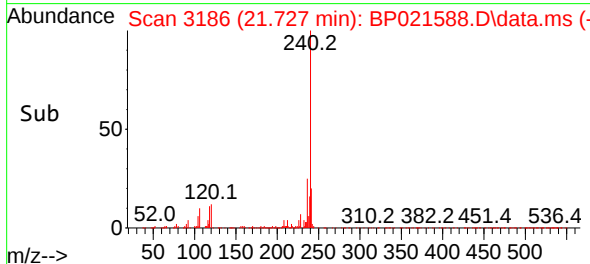
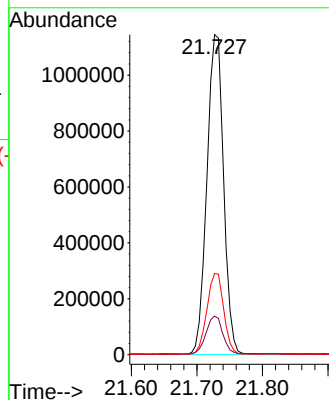
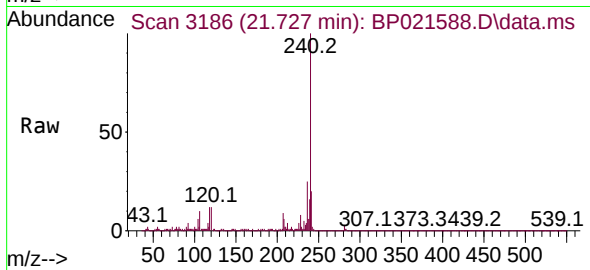
Tgt Ion:240 Resp: 2026973

Ion Ratio Lower Upper

240 100

120 12.0 9.9 14.9

236 25.3 20.6 30.8



#77

Benzidine

Concen: 4.577 ng

RT: 19.609 min Scan# 2826

Delta R.T. 0.034 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

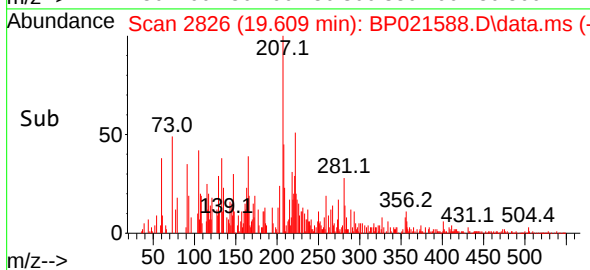
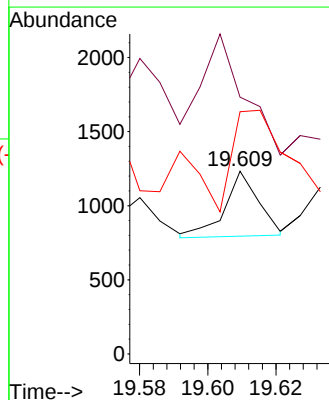
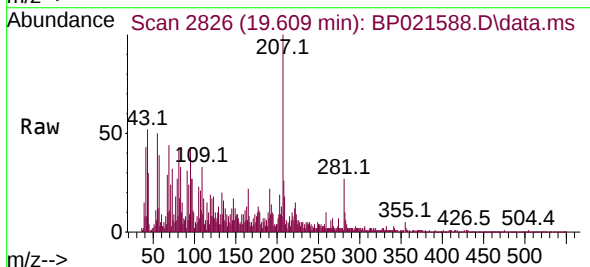
Tgt Ion:184 Resp: 303

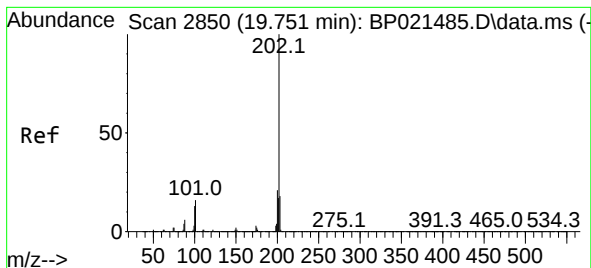
Ion Ratio Lower Upper

184 100

185 140.6 11.4 17.0#

183 132.5 9.3 13.9#





#78

Pyrene

Concen: 9.330 ng

RT: 19.768 min Scan# 2853

Delta R.T. 0.017 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724RE

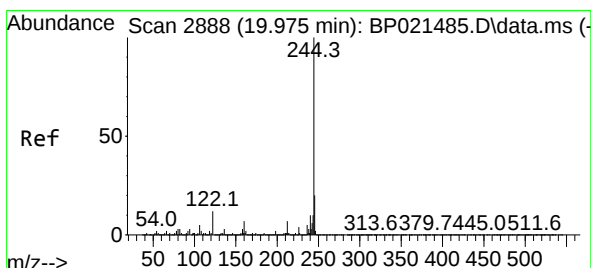
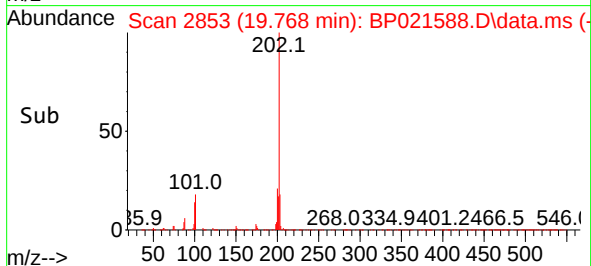
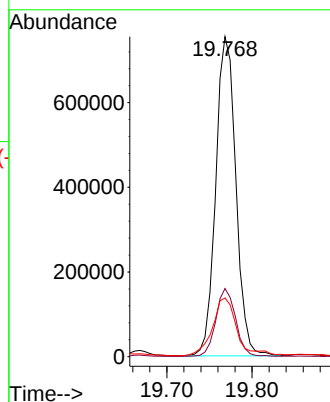
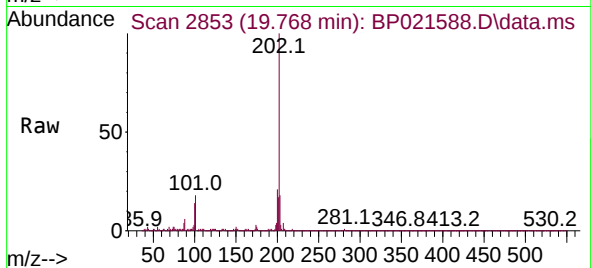
Tgt Ion:202 Resp: 1236146

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 18.4 14.1 21.1



#79

Terphenyl-d14

Concen: 40.172 ng

RT: 19.986 min Scan# 2890

Delta R.T. 0.011 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

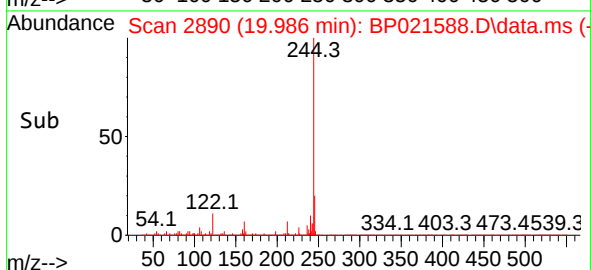
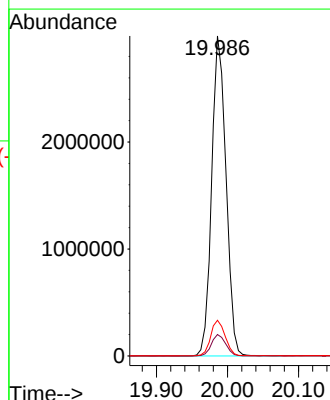
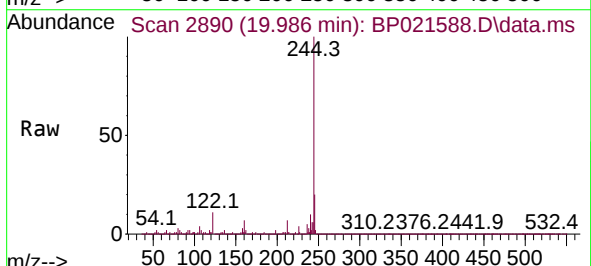
Tgt Ion:244 Resp: 4191428

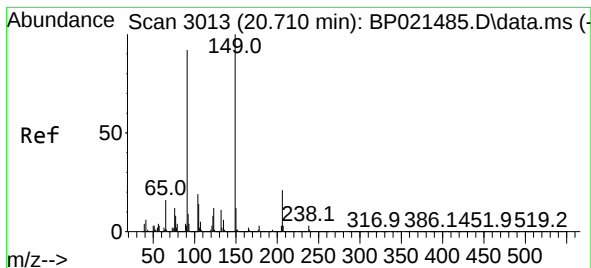
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.1 9.4 14.2





#80

Butylbenzylphthalate

Concen: 3.897 ng

RT: 20.715 min Scan# 3013

Delta R.T. 0.005 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724RE

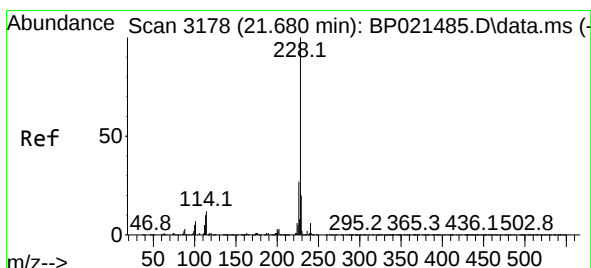
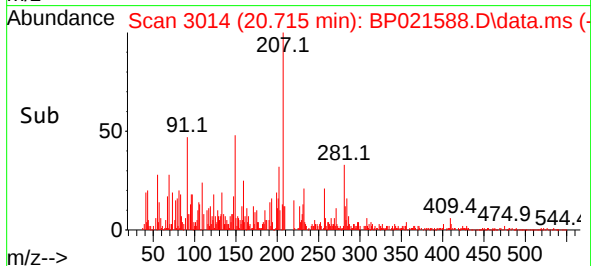
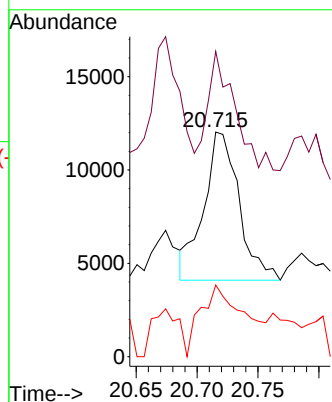
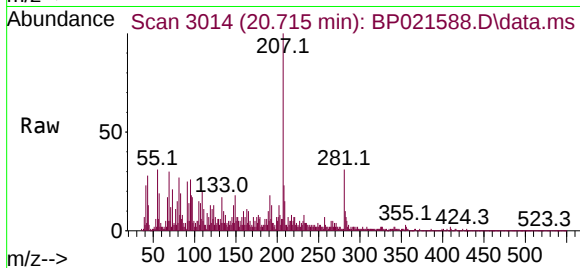
Tgt Ion:149 Resp: 15997

Ion Ratio Lower Upper

149 100

91 135.8 73.3 109.9#

206 31.9 17.1 25.7#



#81

Benzo(a)anthracene

Concen: 4.961 ng

RT: 21.703 min Scan# 3182

Delta R.T. 0.023 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

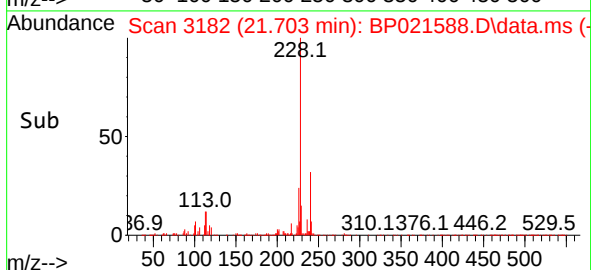
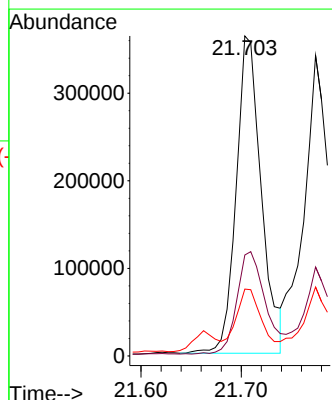
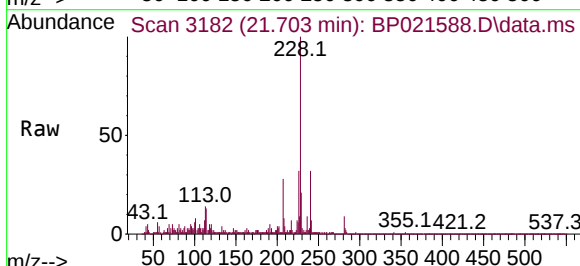
Tgt Ion:228 Resp: 631227

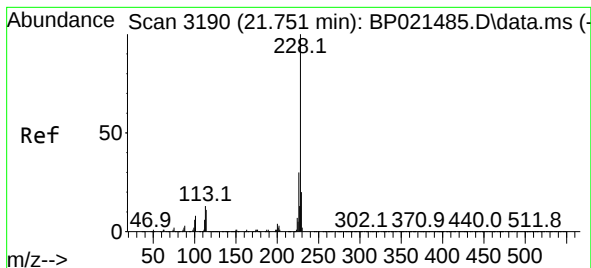
Ion Ratio Lower Upper

228 100

226 31.5 21.4 32.2

229 20.9 15.8 23.6





#83

Chrysene

Concen: 4.933 ng

RT: 21.774 min Scan# 31

Delta R.T. 0.023 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724RE

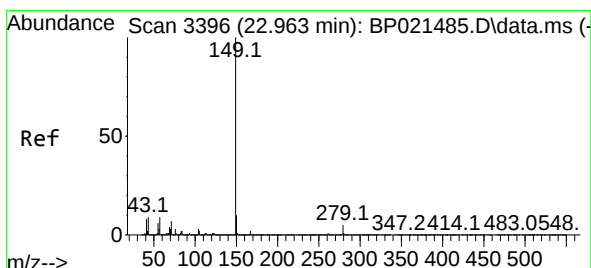
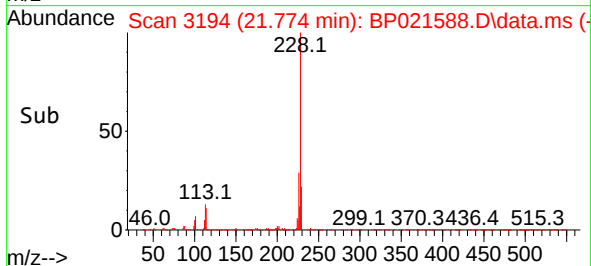
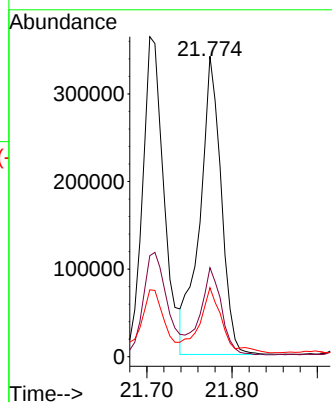
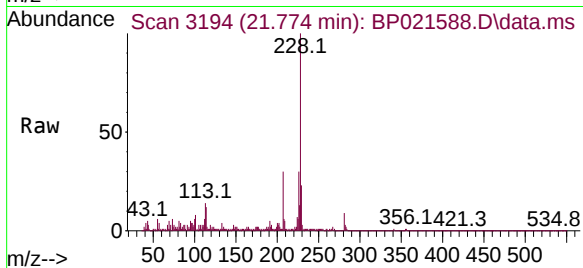
Tgt Ion:228 Resp: 592694

Ion Ratio Lower Upper

228 100

226 29.6 23.9 35.9

229 22.9 15.8 23.6



#85

Di-n-octyl phthalate

Concen: 4.844 ng

RT: 23.003 min Scan# 3403

Delta R.T. 0.040 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

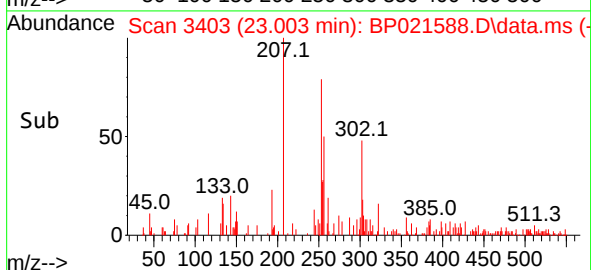
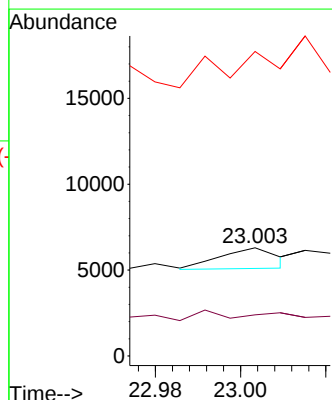
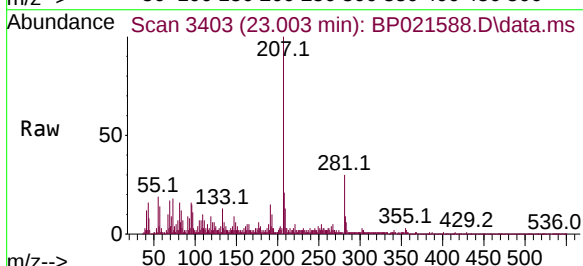
Tgt Ion:149 Resp: 1139

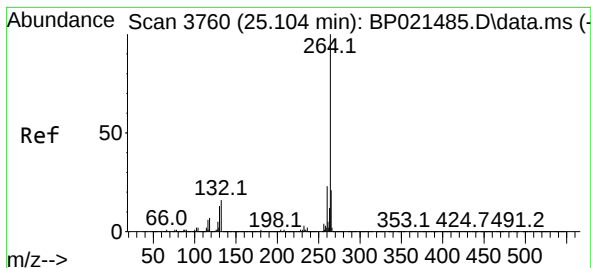
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 295.5 7.3 10.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.174 min Scan# 31

Delta R.T. 0.070 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724RE

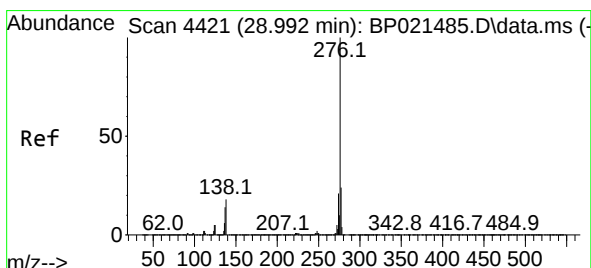
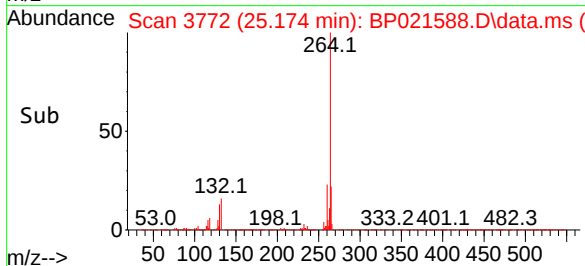
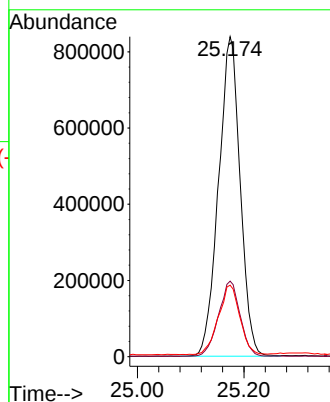
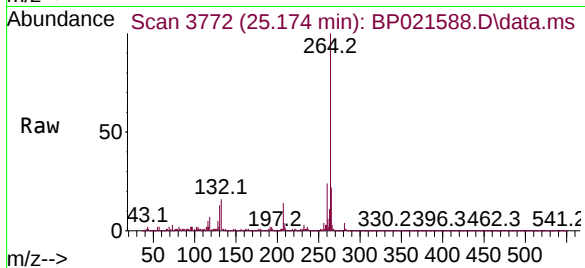
Tgt Ion:264 Resp: 2361305

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.3 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.910 ng

RT: 29.056 min Scan# 4432

Delta R.T. 0.064 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

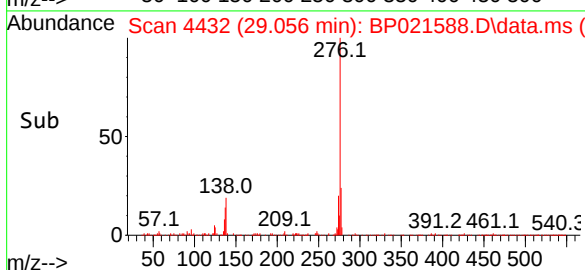
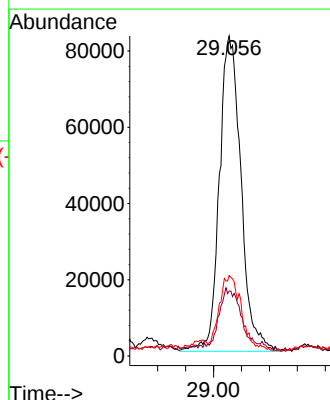
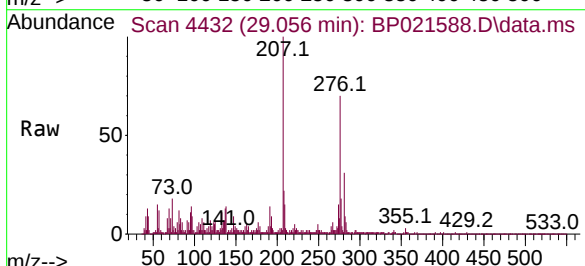
Tgt Ion:276 Resp: 445350

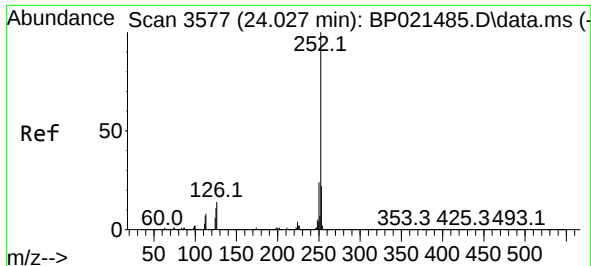
Ion Ratio Lower Upper

276 100

138 17.1 12.8 19.2

277 21.7 16.5 24.7

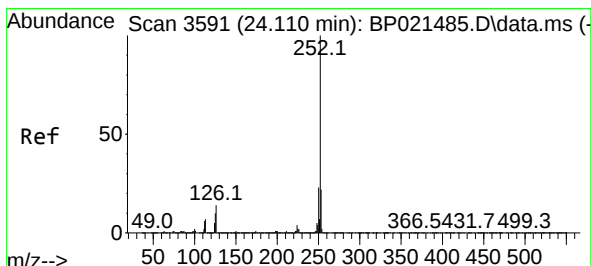
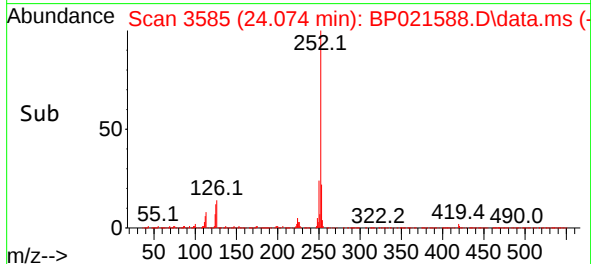
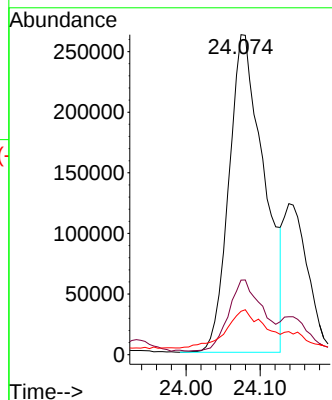
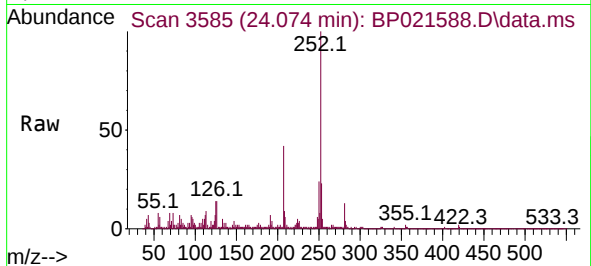




#88
Benzo(b)fluoranthene
Concen: 6.364 ng
RT: 24.074 min Scan# 3585
Delta R.T. 0.047 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

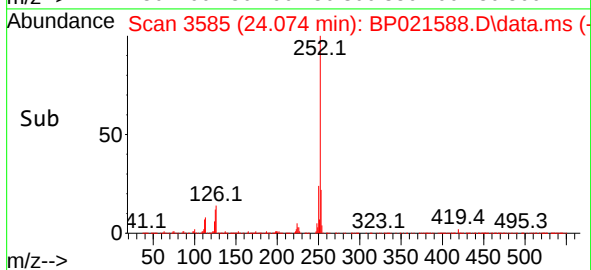
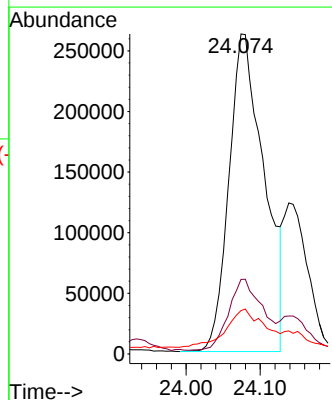
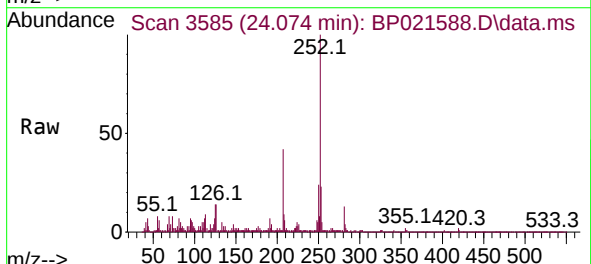
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE

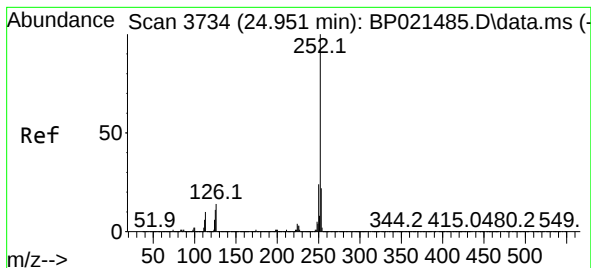
Tgt Ion:252 Resp: 863050
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 13.6 8.6 13.0#



#89
Benzo(k)fluoranthene
Concen: 6.524 ng
RT: 24.074 min Scan# 3585
Delta R.T. -0.036 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Tgt Ion:252 Resp: 863050
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 13.6 7.8 11.8#





#90

Benzo(a)pyrene

Concen: 5.142 ng

RT: 25.003 min Scan# 31

Delta R.T. 0.052 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724RE

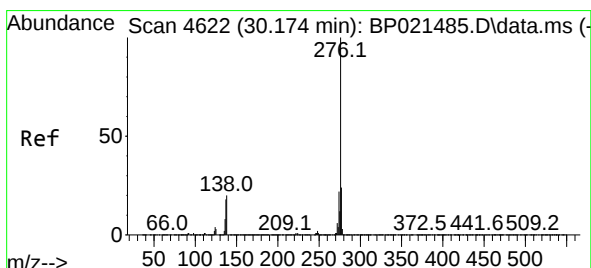
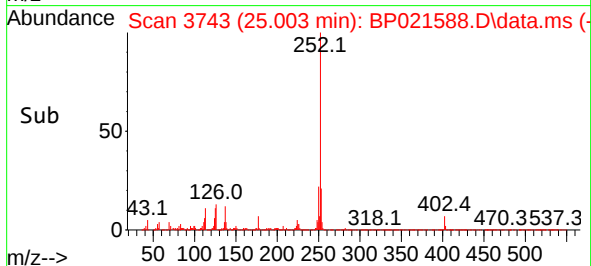
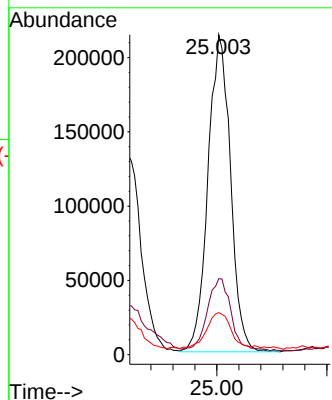
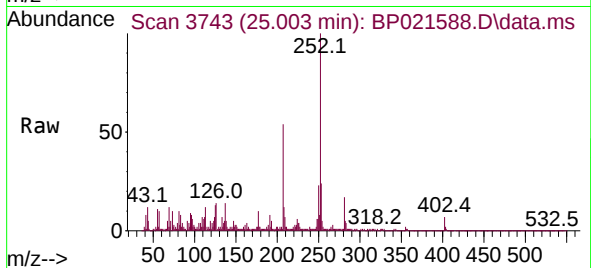
Tgt Ion:252 Resp: 605145

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 13.2 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 3.258 ng

RT: 30.279 min Scan# 4640

Delta R.T. 0.105 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Tgt Ion:276 Resp: 415294

Ion Ratio Lower Upper

276 100

277 25.6 19.0 28.6

138 21.9 16.0 24.0

