

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
 Data File : BP021586.D
 Acq On : 21 Aug 2024 00:36
 Operator : RC/JU
 Sample : P3518-23
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-12-080724RE

Quant Time: Aug 21 01:09:19 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)

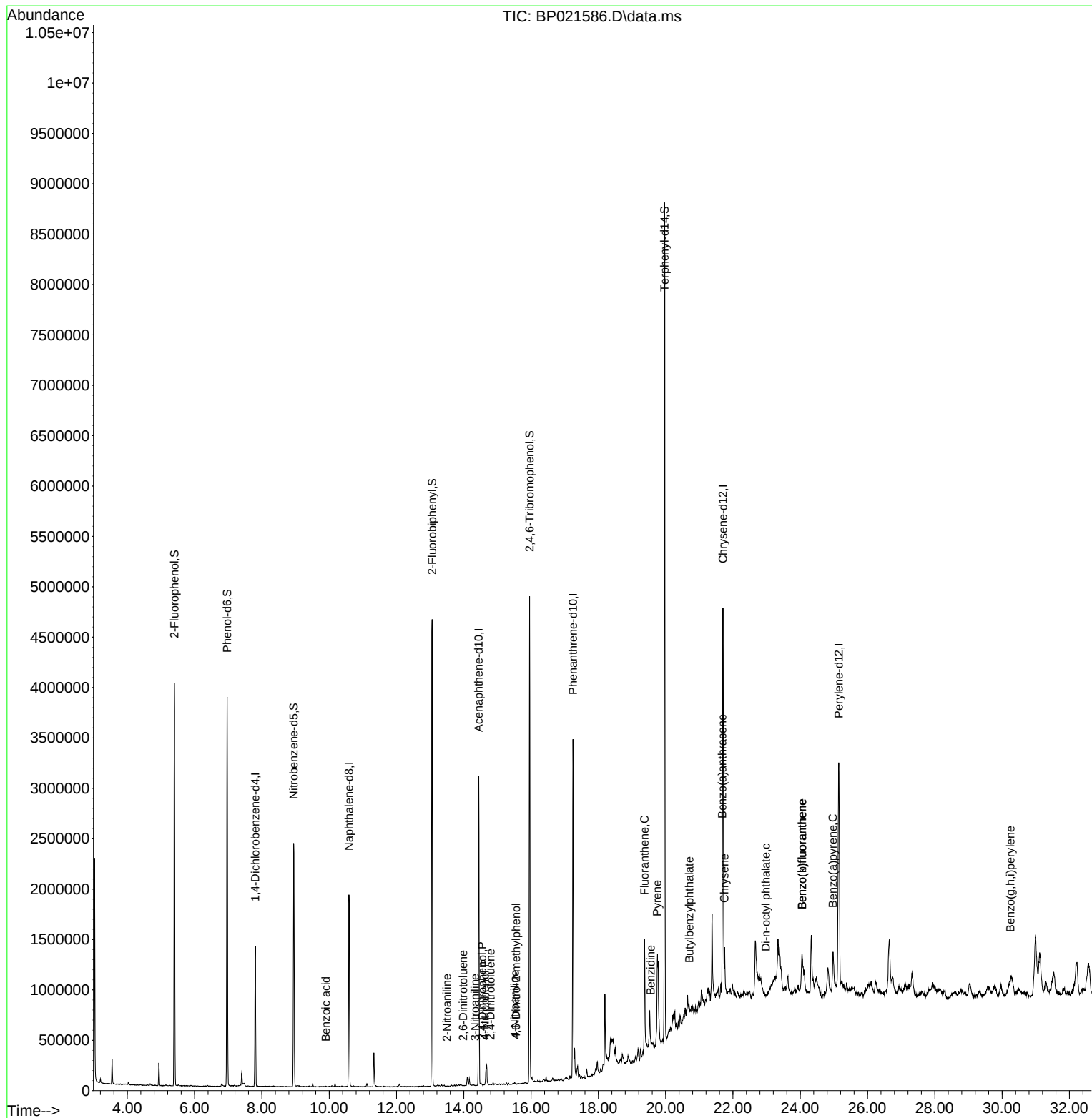
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	372258	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1569075	20.000	ng	-0.01
39) Acenaphthene-d10	14.445	164	1025827	20.000	ng	-0.01
64) Phenanthrene-d10	17.245	188	2226125	20.000	ng	0.00
76) Chrysene-d12	21.704	240	2077776	20.000	ng	0.00
86) Perylene-d12	25.145	264	2412095	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1816810	72.469	ng	0.00
7) Phenol-d6	6.969	99	2640587	72.203	ng	0.00
23) Nitrobenzene-d5	8.946	82	1536266	50.536	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	976508	85.531	ng	-0.01
45) 2-Fluorobiphenyl	13.057	172	2498944	37.178	ng	0.00
79) Terphenyl-d14	19.969	244	4283011	40.046	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.687	139	125	Below Cal	#	1
32) Benzoic acid	9.899	122	299	3.355	ng	# 81
48) 2-Nitroaniline	13.498	65	290	5.164	ng	# 60
51) 2,6-Dinitrotoluene	13.981	165	173	3.997	ng	# 98
53) 3-Nitroaniline	14.334	138	255	3.986	ng	# 19
54) 2,4-Dinitrophenol	14.545	184	76	2.460	ng	# 1
56) 4-Nitrophenol	14.628	139	115	5.088	ng	# 1
57) 2,4-Dinitrotoluene	14.798	165	210	5.033	ng	# 83
62) 4-Nitroaniline	15.516	138	164	2.946	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.557	198	137	4.633	ng	# 1
75) Fluoranthene	19.375	202	617893	4.704	ng	# 99
77) Benzidine	19.557	184	4011	4.636	ng	# 1
78) Pyrene	19.751	202	554390	4.082	ng	# 100
80) Butylbenzylphthalate	20.704	149	6174	3.713	ng	# 46
81) Benzo(a)anthracene	21.686	228	308888	2.368	ng	# 95
83) Chrysene	21.751	228	330111	2.681	ng	# 98
85) Di-n-octyl phthalate	22.980	149	5068	4.870	ng	# 74
88) Benzo(b)fluoranthene	24.057	252	518113	3.740	ng	# 95
89) Benzo(k)fluoranthene	24.057	252	518113	3.834	ng	# 94
90) Benzo(a)pyrene	24.974	252	337697	2.809	ng	# 92
92) Benzo(g,h,i)perylene	30.250	276	266128	2.044	ng	# 98

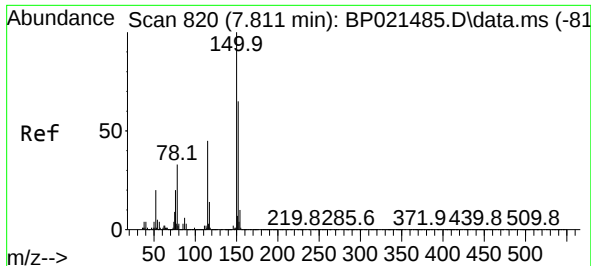
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-TS-12-080724RE

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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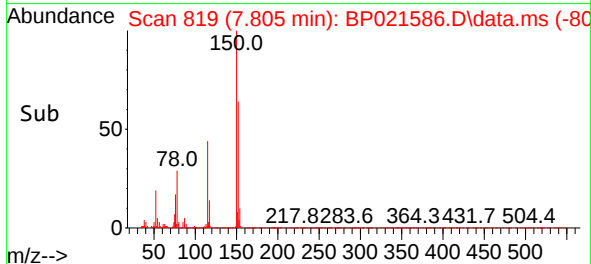
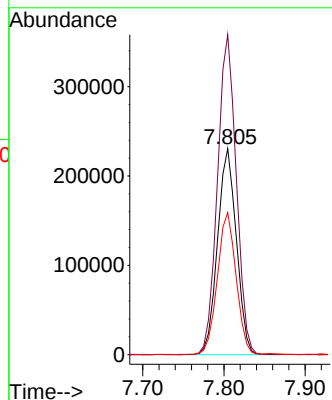
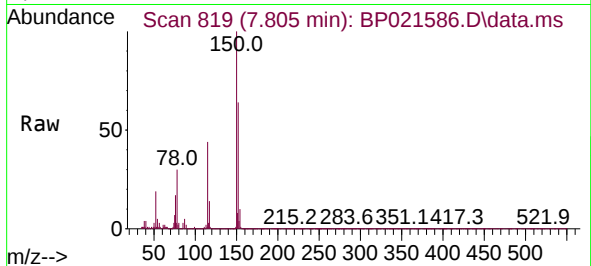




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021586.D
Acq: 21 Aug 2024 00:36

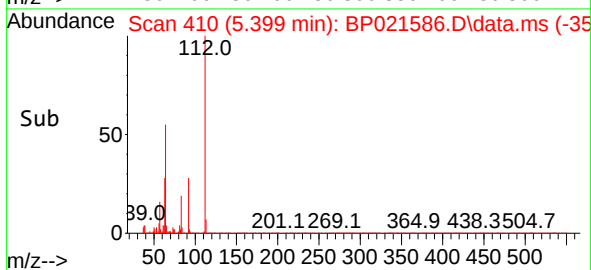
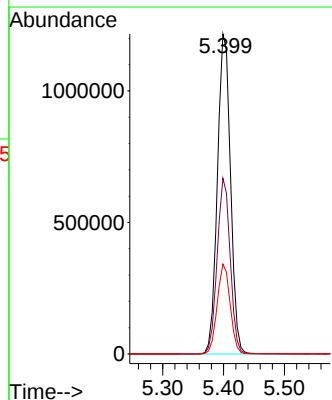
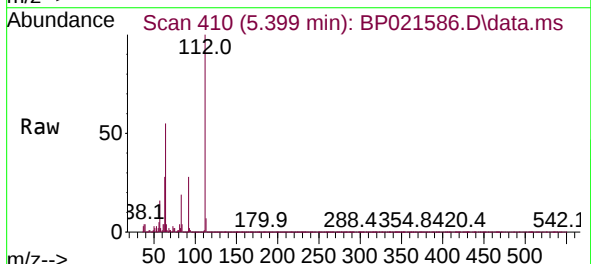
Instrument :
BNA_P
ClientSampleId :
OU4-TS-12-080724RE

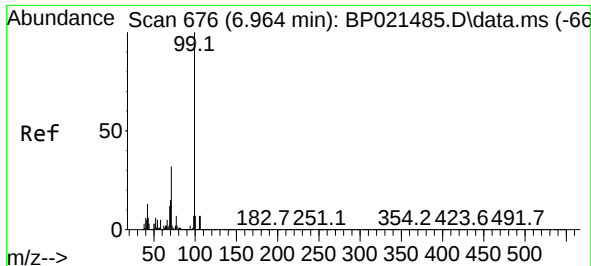
Tgt Ion:152 Resp: 372258
Ion Ratio Lower Upper
152 100
150 155.3 122.4 183.6
115 68.9 54.7 82.1



#5
2-Fluorophenol
Concen: 72.469 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP021586.D
Acq: 21 Aug 2024 00:36

Tgt Ion:112 Resp: 1816810
Ion Ratio Lower Upper
112 100
64 54.9 49.0 73.6
63 28.1 24.6 36.8



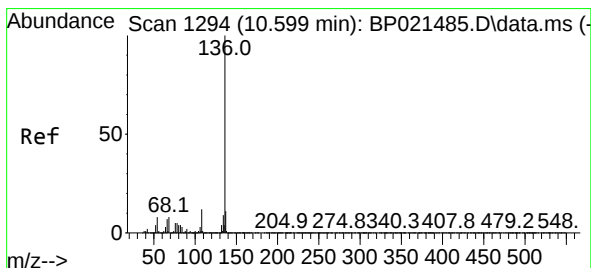
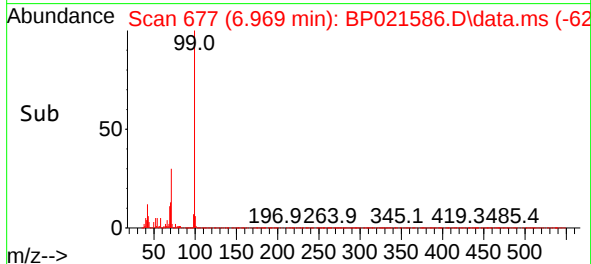
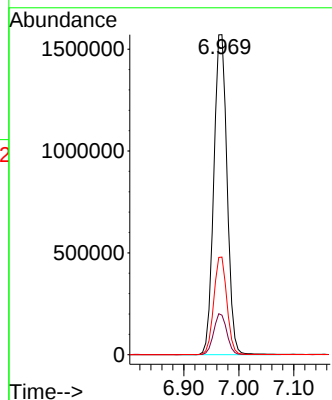
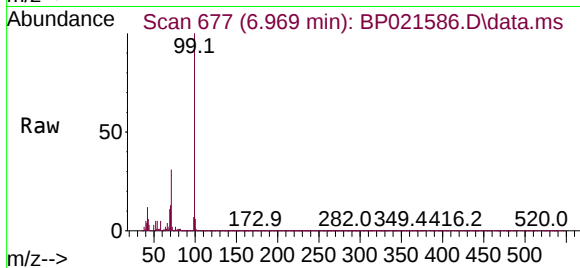


#7
Phenol-d6
Concen: 72.203 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP021586.D
Acq: 21 Aug 2024 00:36

Instrument :
BNA_P
ClientSampleId :
OU4-TS-12-080724RE

Tgt Ion: 99 Resp: 2640587

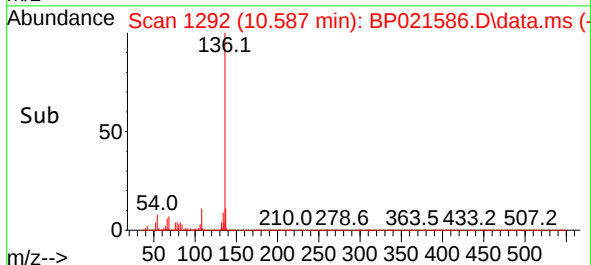
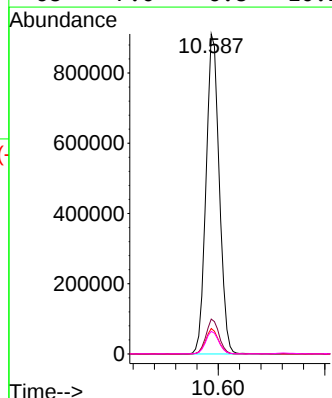
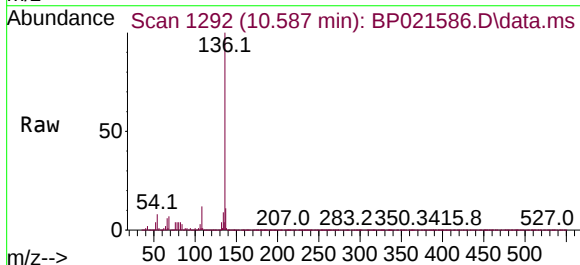
Ion	Ratio	Lower	Upper
99	100		
42	12.4	10.2	15.4
71	30.5	25.8	38.8

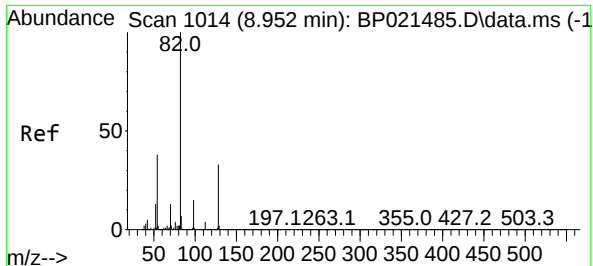


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BP021586.D
Acq: 21 Aug 2024 00:36

Tgt Ion: 136 Resp: 1569075

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.9	6.3	9.5
68	7.0	6.8	10.2





#23

Nitrobenzene-d5

Concen: 50.536 ng

RT: 8.946 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724RE

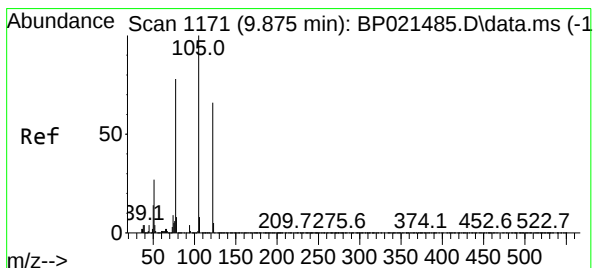
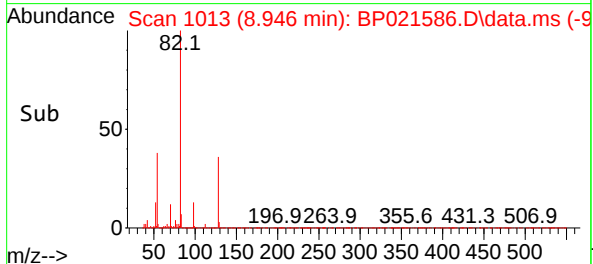
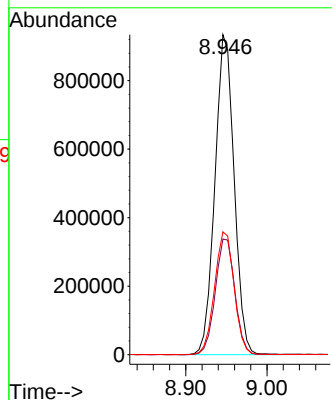
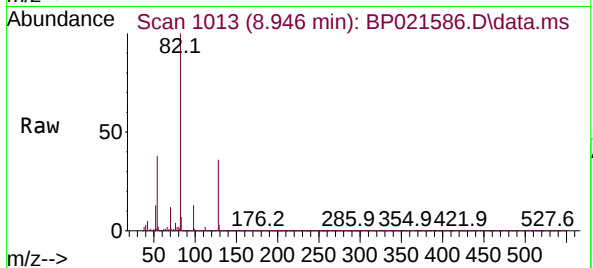
Tgt Ion: 82 Resp: 1536266

Ion Ratio Lower Upper

82 100

128 36.2 26.5 39.7

54 38.4 30.3 45.5



#32

Benzoic acid

Concen: 3.355 ng

RT: 9.899 min Scan# 1175

Delta R.T. 0.024 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

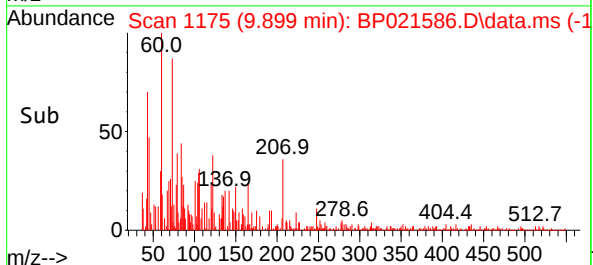
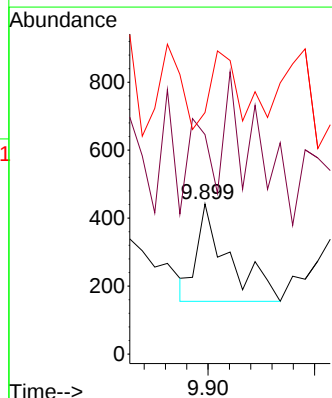
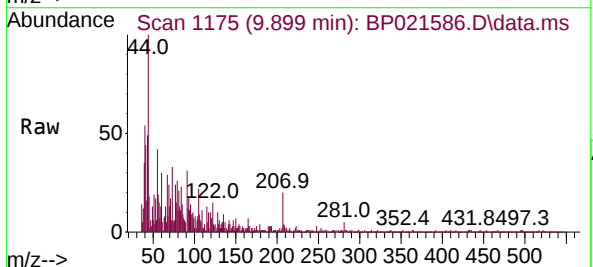
Tgt Ion: 122 Resp: 299

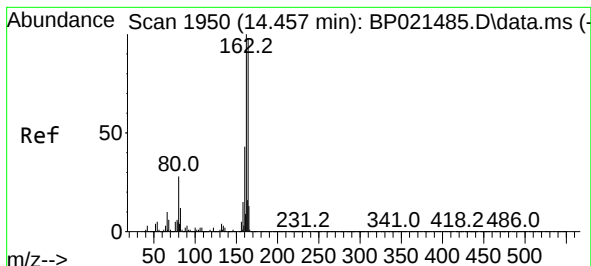
Ion Ratio Lower Upper

122 100

105 146.2 124.6 164.6

77 160.9 96.2 136.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 1948

Delta R.T. -0.012 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

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ClientSampleId :

OU4-TS-12-080724RE

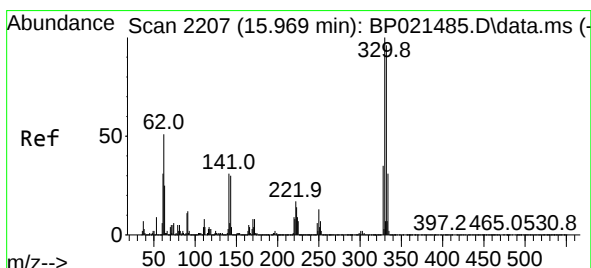
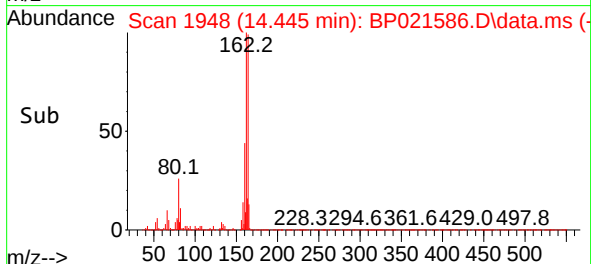
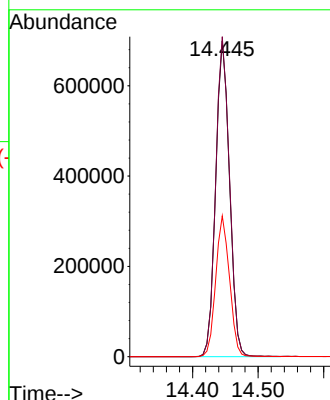
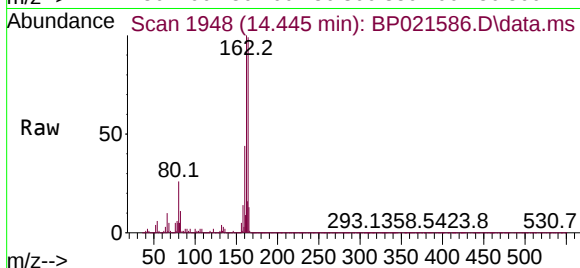
Tgt Ion:164 Resp: 1025827

Ion Ratio Lower Upper

164 100

162 101.3 81.5 122.3

160 44.6 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 85.531 ng

RT: 15.957 min Scan# 2205

Delta R.T. -0.012 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

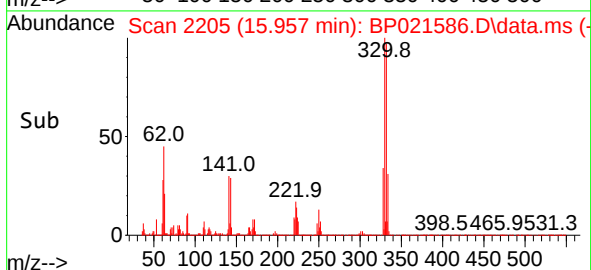
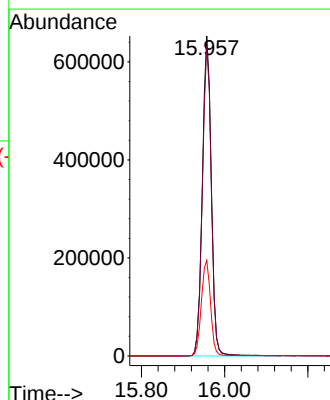
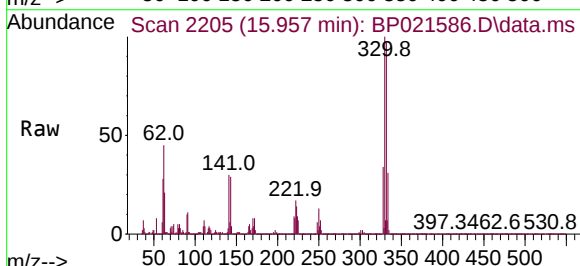
Tgt Ion:330 Resp: 976508

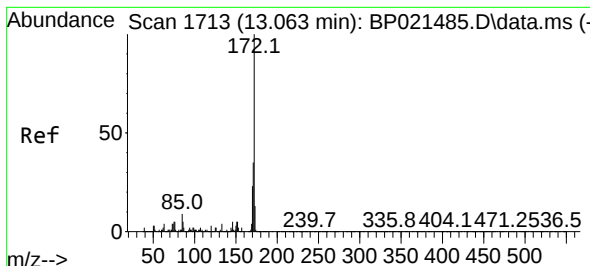
Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

141 30.7 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 37.178 ng

RT: 13.057 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

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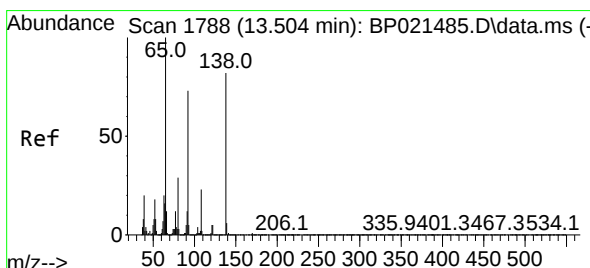
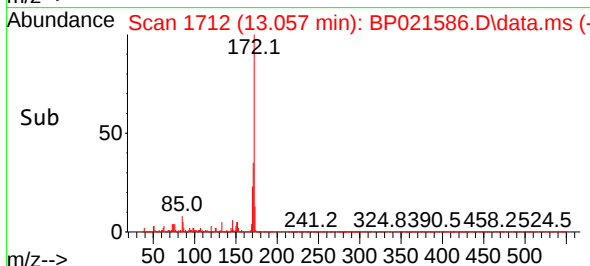
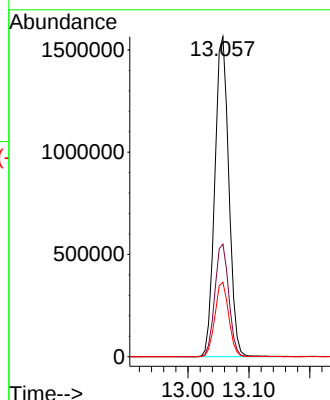
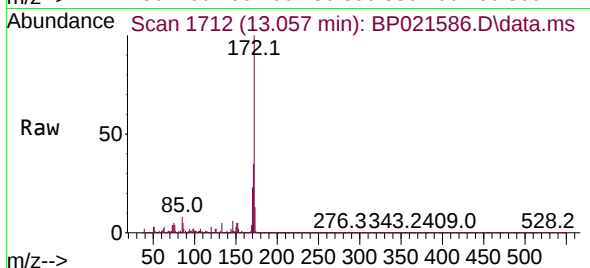
Tgt Ion:172 Resp: 2498944

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.3 18.4 27.6



#48

2-Nitroaniline

Concen: 5.164 ng

RT: 13.498 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

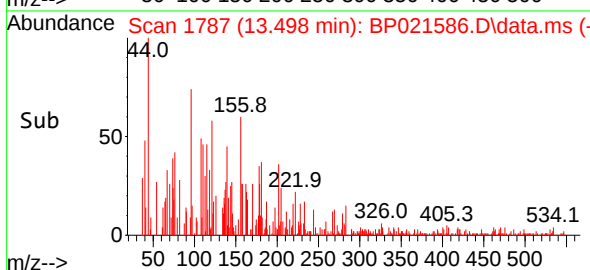
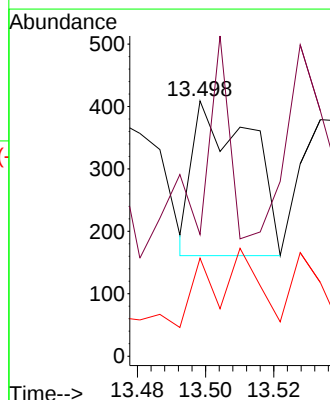
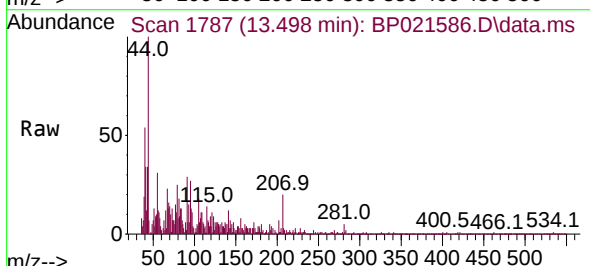
Tgt Ion: 65 Resp: 290

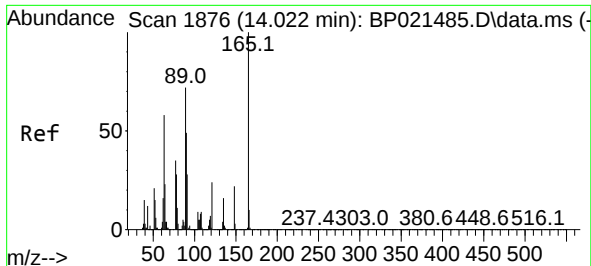
Ion Ratio Lower Upper

65 100

92 47.7 58.1 87.1#

138 38.4 65.5 98.3#

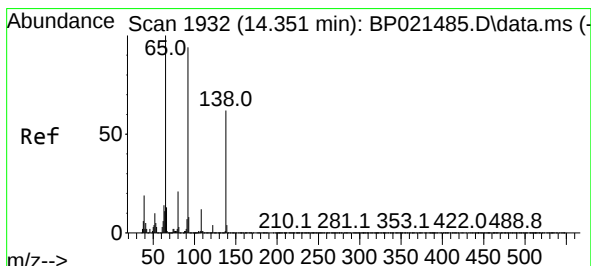
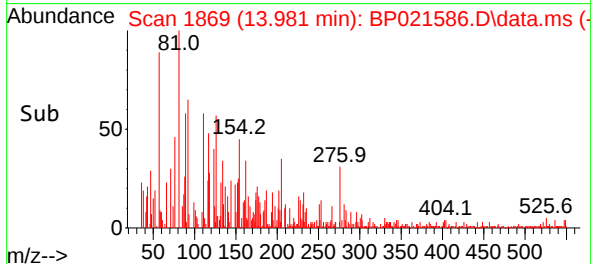
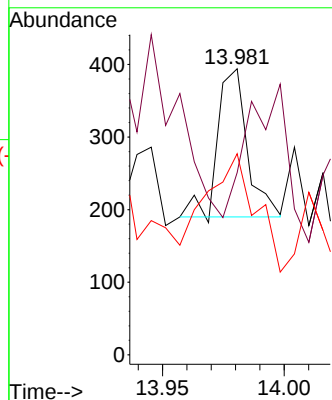
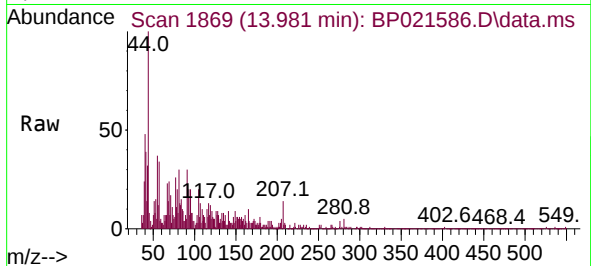




#51
2,6-Dinitrotoluene
Concen: 3.997 ng
RT: 13.981 min Scan# 1869
Delta R.T. -0.041 min
Lab File: BP021586.D
Acq: 21 Aug 2024 00:36

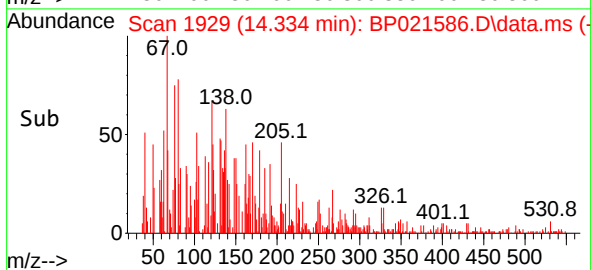
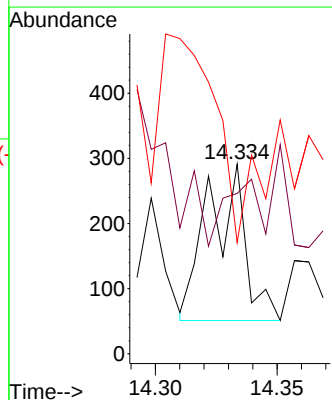
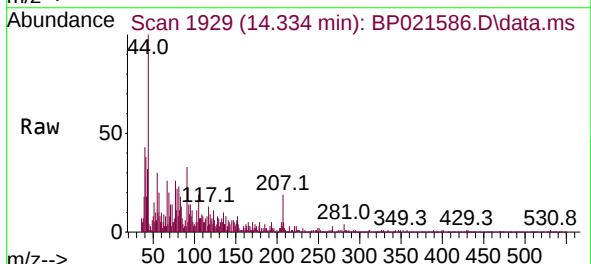
Instrument :
BNA_P
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OU4-TS-12-080724RE

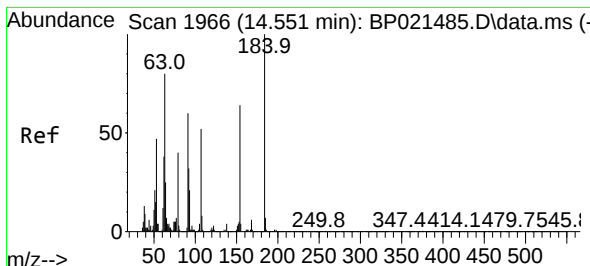
Tgt Ion:165 Resp: 173
Ion Ratio Lower Upper
165 100
63 63.7 51.5 77.3
89 70.3 57.8 86.8



#53
3-Nitroaniline
Concen: 3.986 ng
RT: 14.334 min Scan# 1929
Delta R.T. -0.017 min
Lab File: BP021586.D
Acq: 21 Aug 2024 00:36

Tgt Ion:138 Resp: 255
Ion Ratio Lower Upper
138 100
108 84.5 16.2 24.4#
92 58.8 122.2 183.4#





#54

2,4-Dinitrophenol

Concen: 2.460 ng

RT: 14.545 min Scan# 1966

Delta R.T. -0.006 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724RE

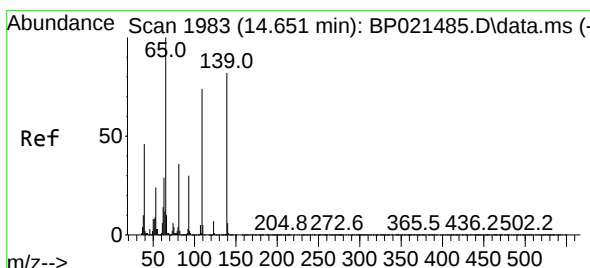
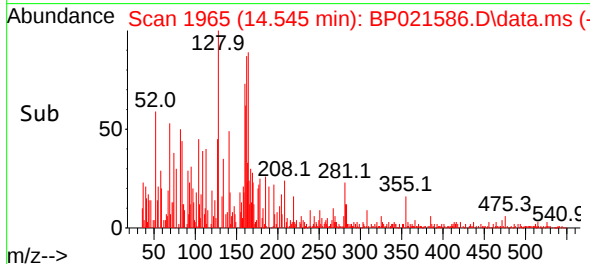
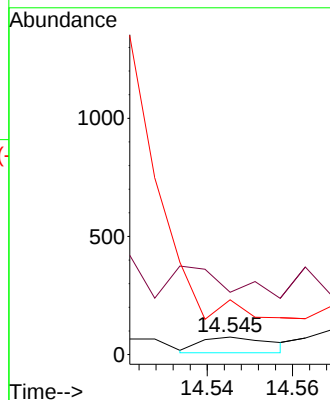
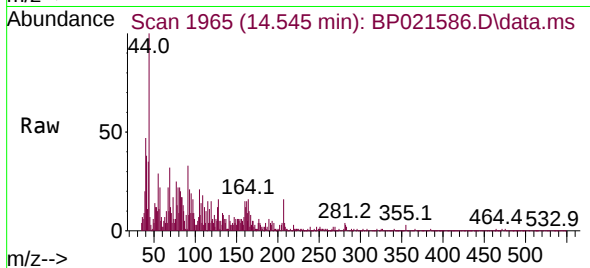
Tgt Ion:184 Resp: 76

Ion Ratio Lower Upper

184 100

63 356.8 64.9 97.3#

154 313.5 52.1 78.1#



#56

4-Nitrophenol

Concen: 5.088 ng

RT: 14.628 min Scan# 1979

Delta R.T. -0.023 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

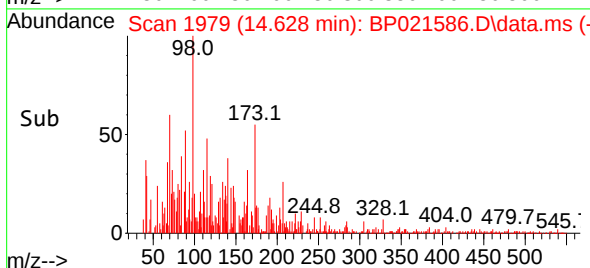
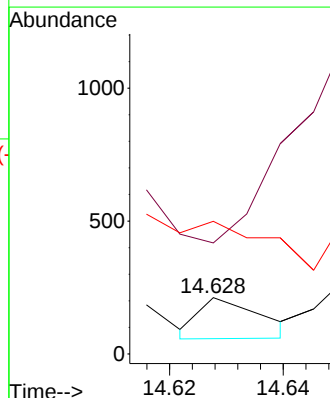
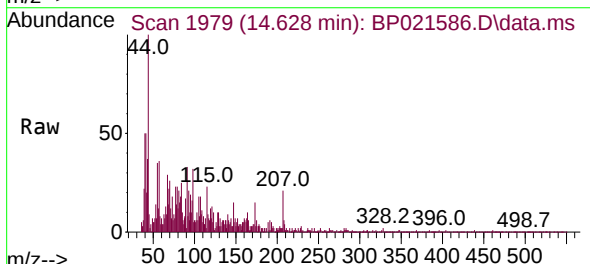
Tgt Ion:139 Resp: 115

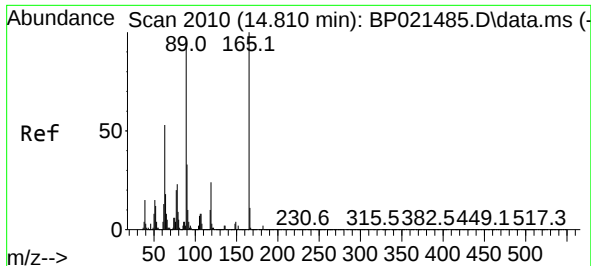
Ion Ratio Lower Upper

139 100

109 197.2 70.2 110.2#

65 235.4 101.8 141.8#

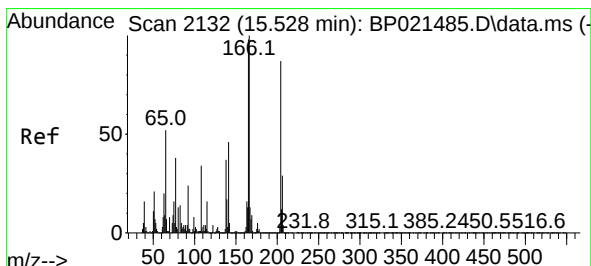
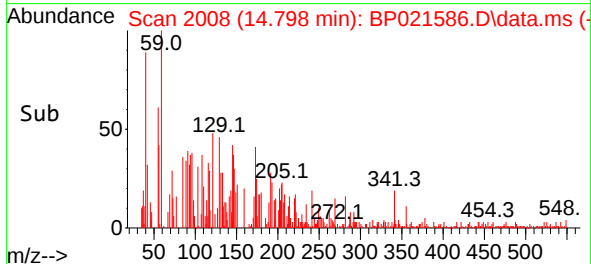
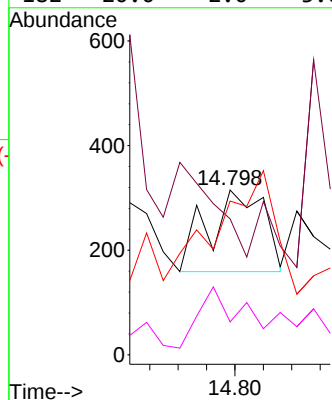
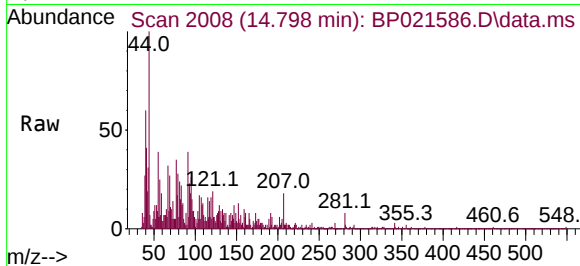




#57
2,4-Dinitrotoluene
Concen: 5.033 ng
RT: 14.798 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP021586.D
Acq: 21 Aug 2024 00:36

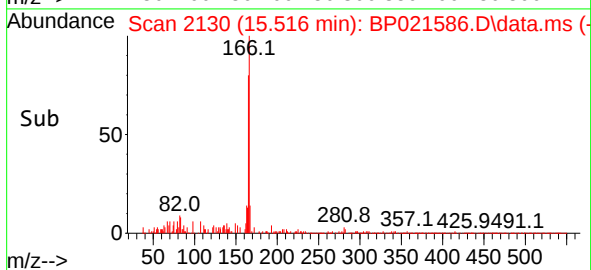
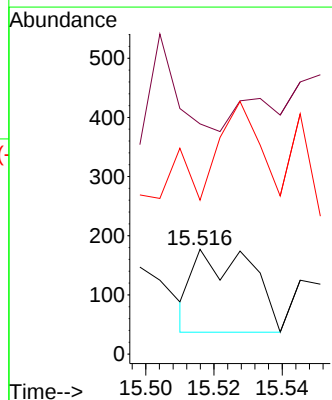
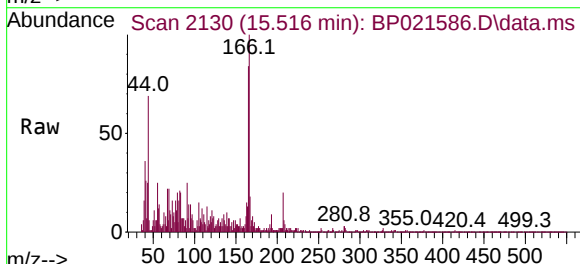
Instrument :
BNA_P
ClientSampleId :
OU4-TS-12-080724RE

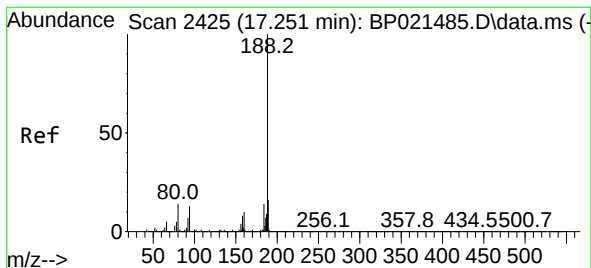
Tgt Ion:165 Resp: 210
Ion Ratio Lower Upper
165 100
63 82.5 42.5 63.7#
89 93.3 77.1 115.7
182 20.0 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.946 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP021586.D
Acq: 21 Aug 2024 00:36

Tgt Ion:138 Resp: 164
Ion Ratio Lower Upper
138 100
92 219.8 46.4 86.4#
108 146.9 73.2 113.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.245 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724RE

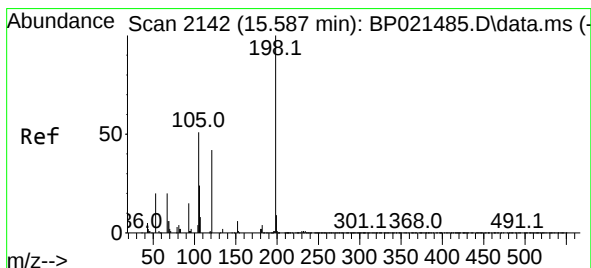
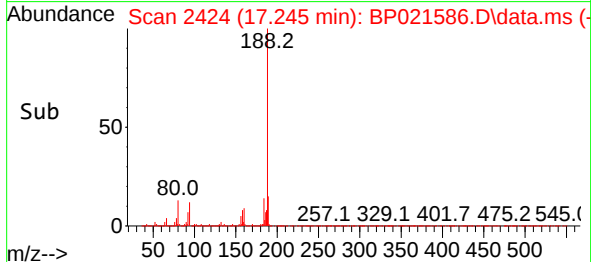
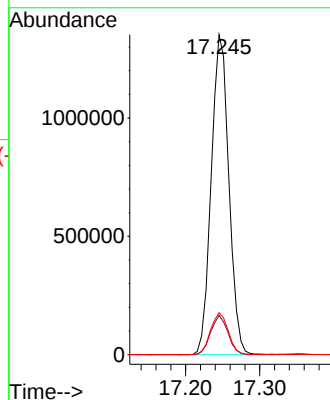
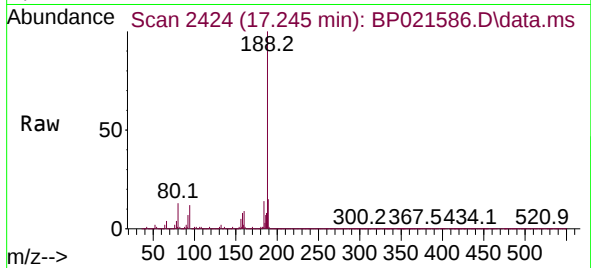
Tgt Ion:188 Resp: 2226125

Ion Ratio Lower Upper

188 100

94 12.3 10.2 15.4

80 13.1 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.633 ng

RT: 15.557 min Scan# 2137

Delta R.T. -0.030 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

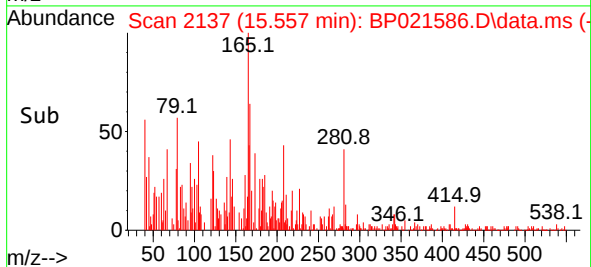
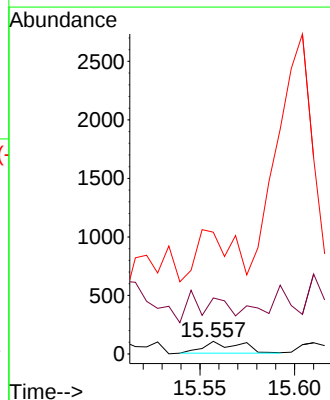
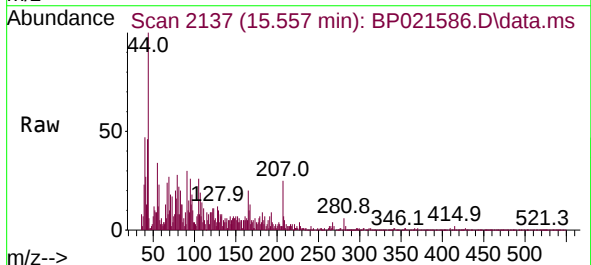
Tgt Ion:198 Resp: 137

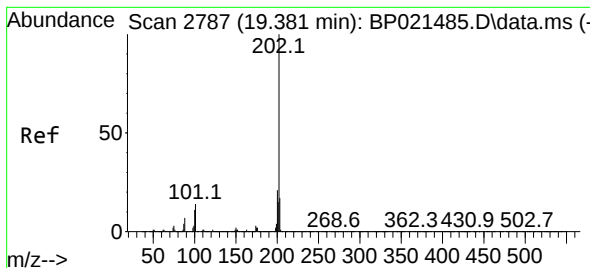
Ion Ratio Lower Upper

198 100

51 443.5 21.5 61.5#

105 963.0 32.9 72.9#





#75

Fluoranthene

Concen: 4.704 ng

RT: 19.375 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724RE

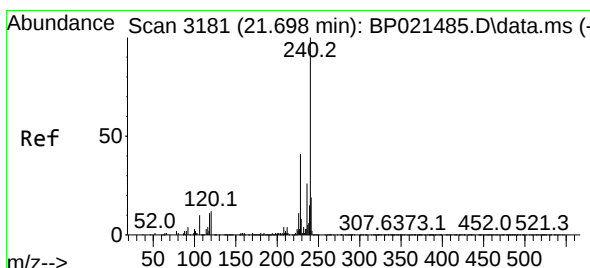
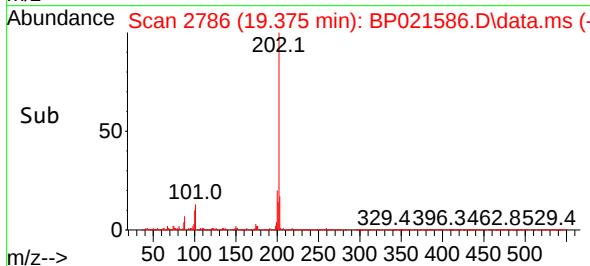
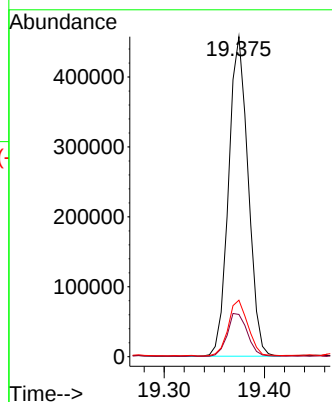
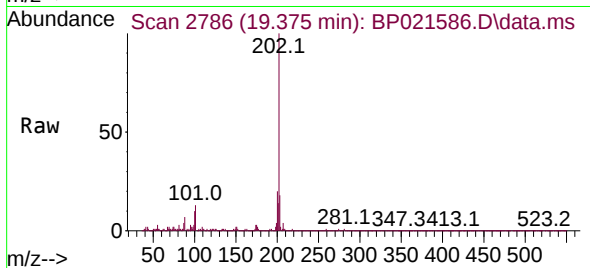
Tgt Ion:202 Resp: 617893

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.0

203 17.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.704 min Scan# 3182

Delta R.T. 0.006 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

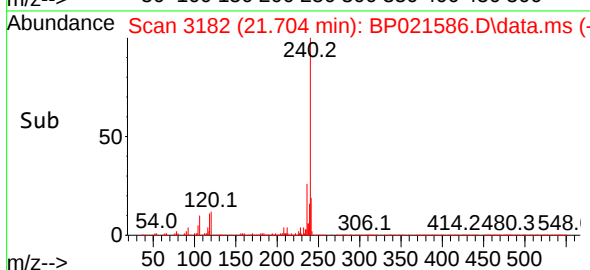
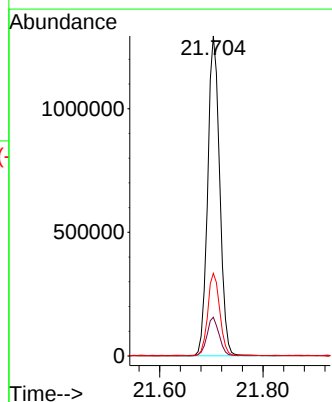
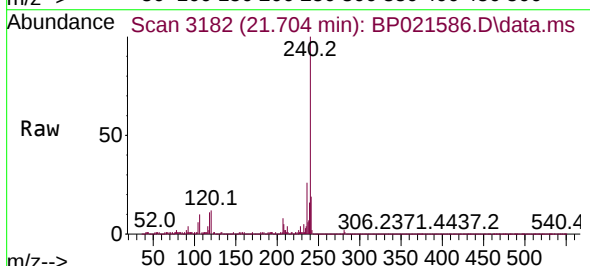
Tgt Ion:240 Resp: 2077776

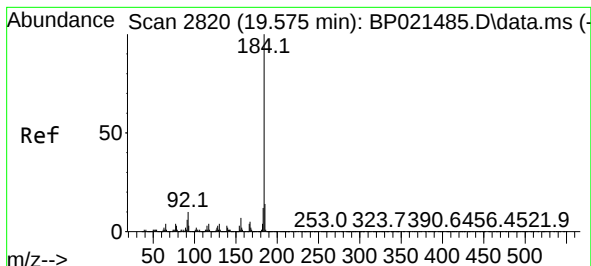
Ion Ratio Lower Upper

240 100

120 12.1 9.9 14.9

236 25.8 20.6 30.8





#77

Benzidine

Concen: 4.636 ng

RT: 19.557 min Scan# 2817

Delta R.T. -0.018 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724RE

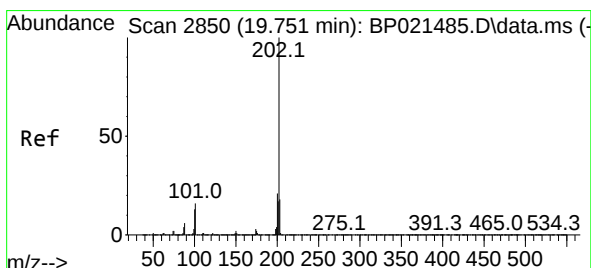
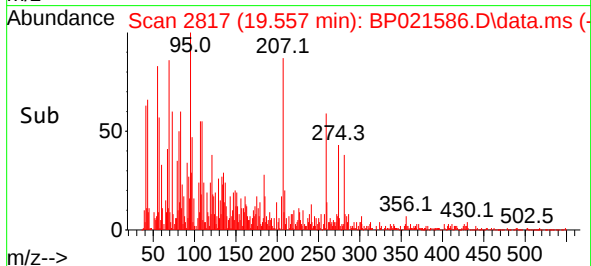
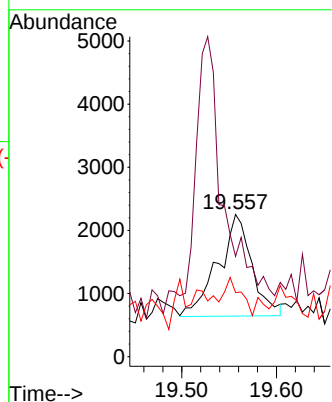
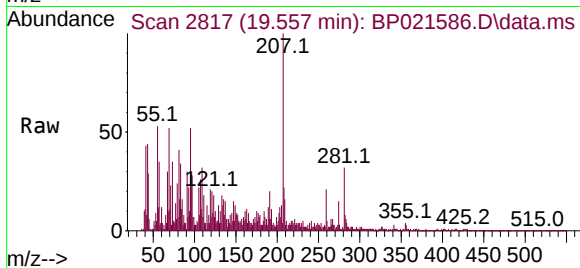
Tgt Ion:184 Resp: 4011

Ion Ratio Lower Upper

184 100

185 70.5 11.4 17.0#

183 45.1 9.3 13.9#



#78

Pyrene

Concen: 4.082 ng

RT: 19.751 min Scan# 2850

Delta R.T. -0.000 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

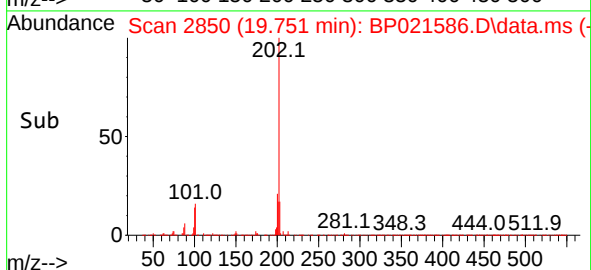
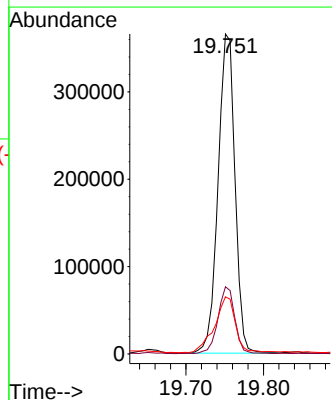
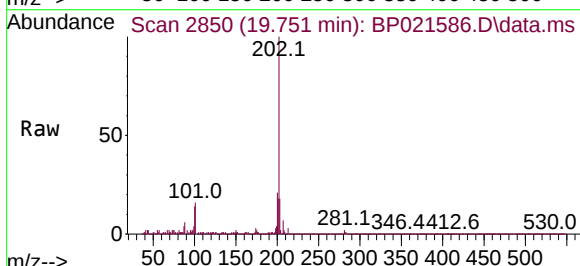
Tgt Ion:202 Resp: 554390

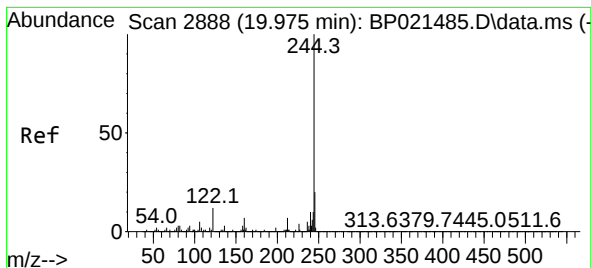
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 40.046 ng

RT: 19.969 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724RE

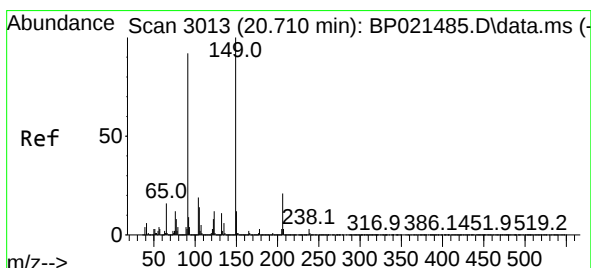
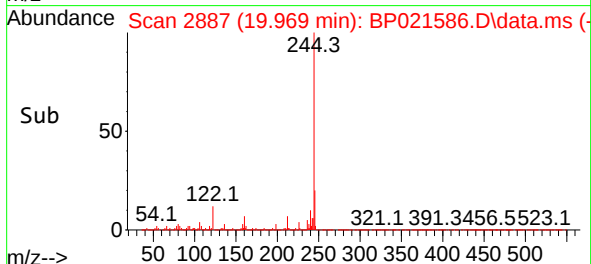
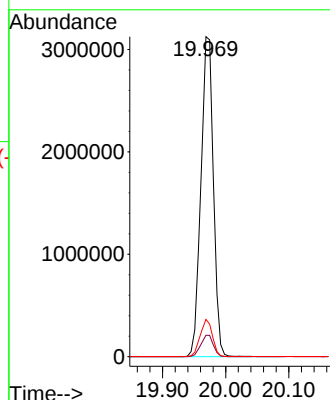
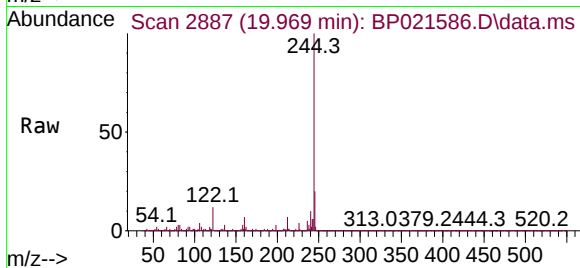
Tgt Ion:244 Resp: 4283011

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.7 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.713 ng

RT: 20.704 min Scan# 3012

Delta R.T. -0.006 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

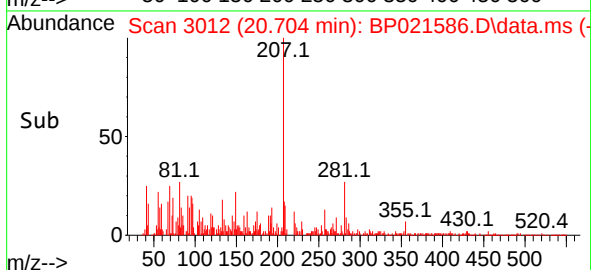
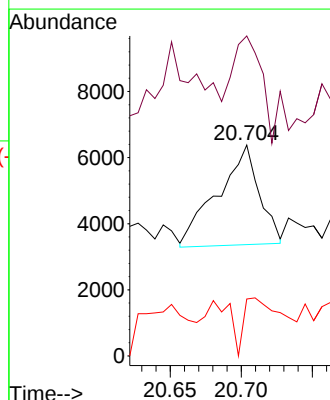
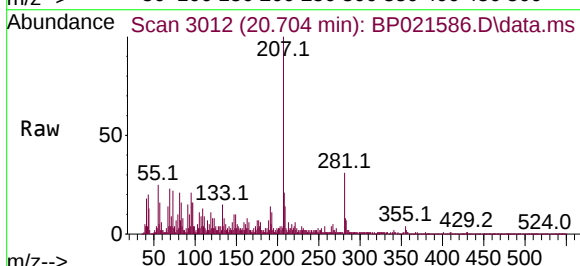
Tgt Ion:149 Resp: 6174

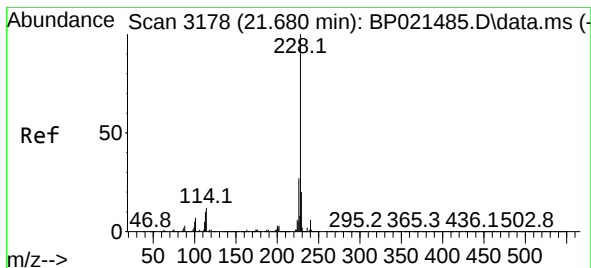
Ion Ratio Lower Upper

149 100

91 151.8 73.3 109.9#

206 27.0 17.1 25.7#





#81

Benzo(a)anthracene

Concen: 2.368 ng

RT: 21.686 min Scan# 3178

Delta R.T. 0.006 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724RE

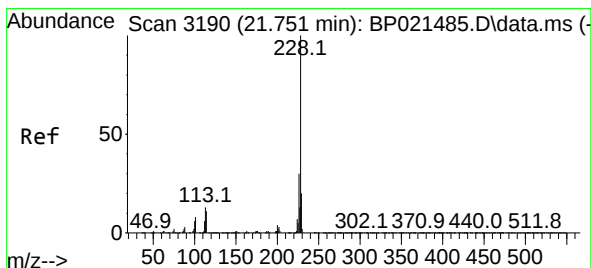
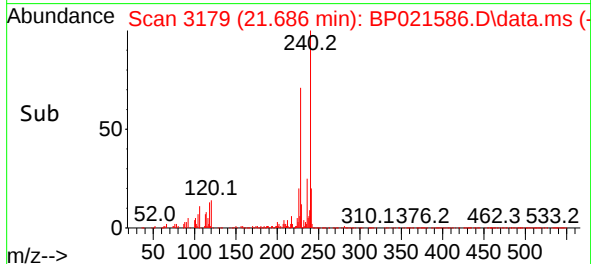
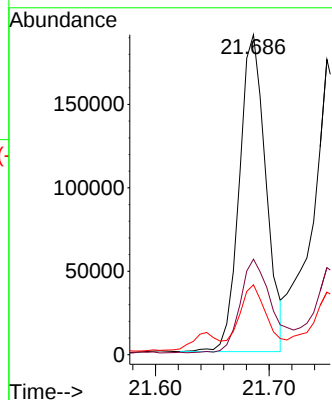
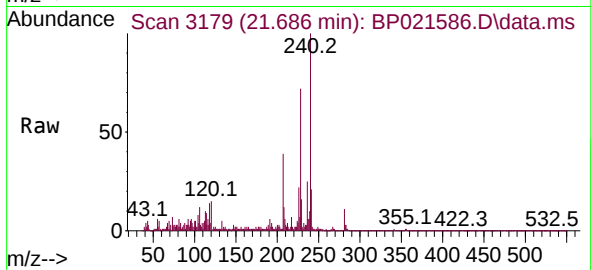
Tgt Ion:228 Resp: 308888

Ion Ratio Lower Upper

228 100

226 29.9 21.4 32.2

229 21.9 15.8 23.6



#83

Chrysene

Concen: 2.681 ng

RT: 21.751 min Scan# 3190

Delta R.T. -0.000 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

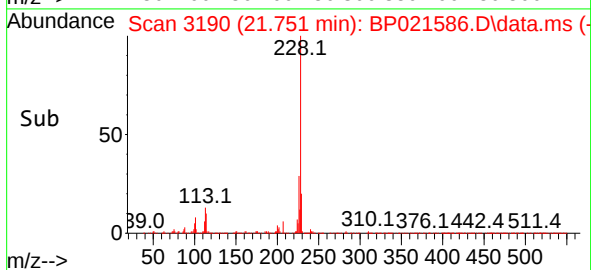
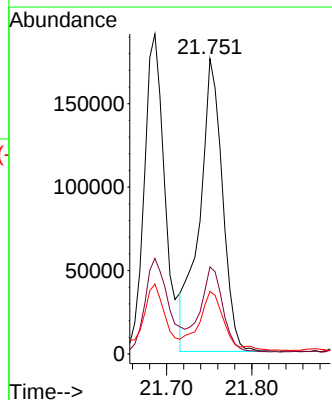
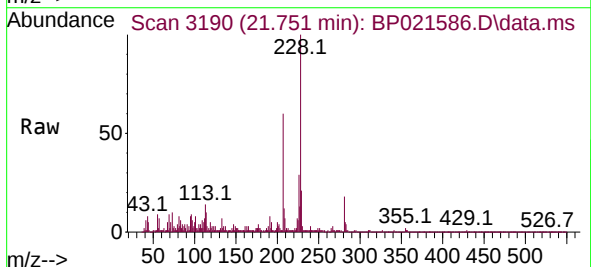
Tgt Ion:228 Resp: 330111

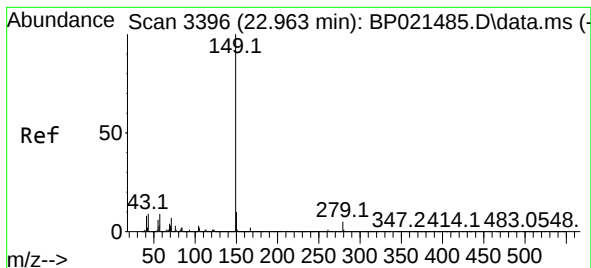
Ion Ratio Lower Upper

228 100

226 29.5 23.9 35.9

229 21.2 15.8 23.6





#85

Di-n-octyl phthalate

Concen: 4.870 ng

RT: 22.980 min Scan# 31

Delta R.T. 0.017 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724RE

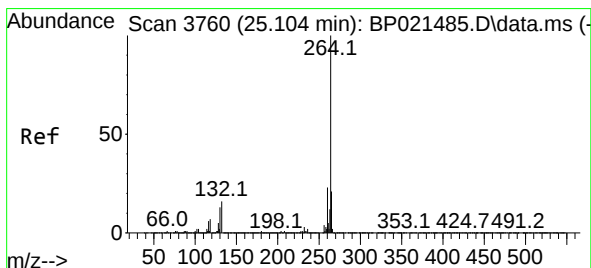
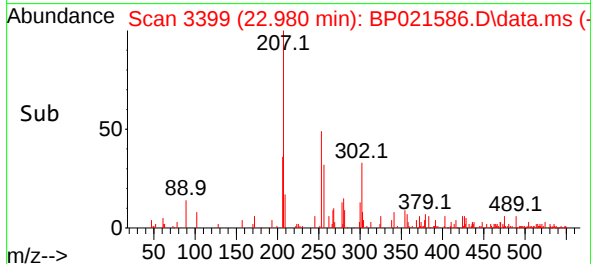
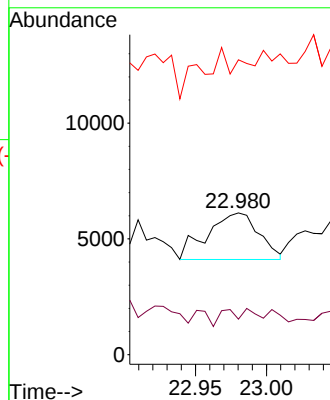
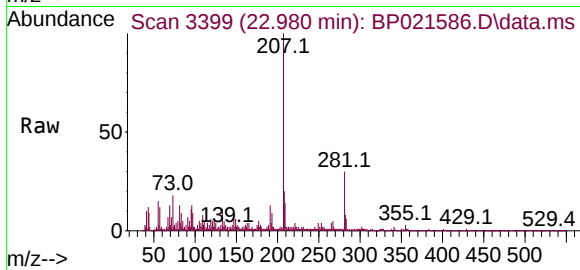
Tgt Ion:149 Resp: 5068

Ion Ratio Lower Upper

149 100

167 12.0 1.3 1.9#

43 0.0 7.3 10.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.145 min Scan# 3767

Delta R.T. 0.041 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

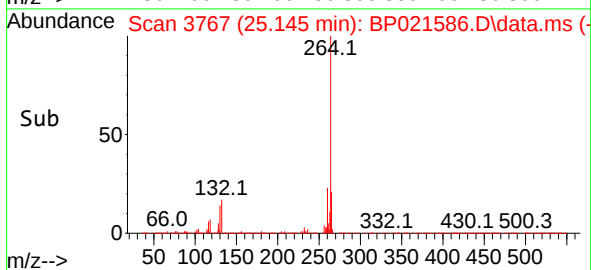
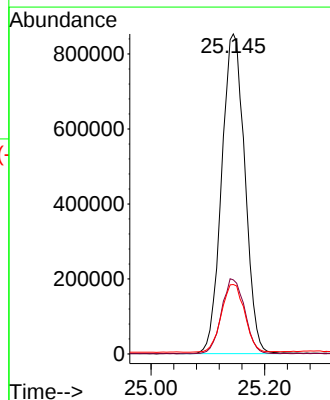
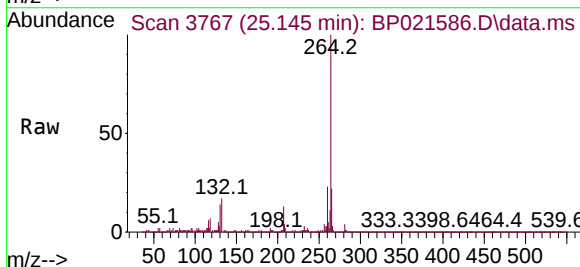
Tgt Ion:264 Resp: 2412095

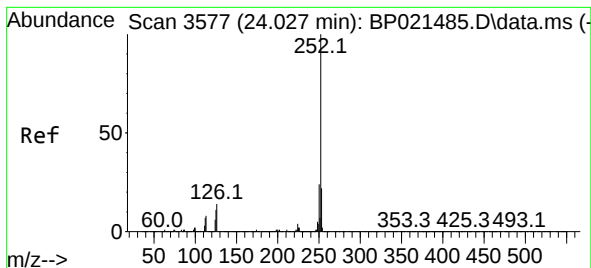
Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 21.7 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 3.740 ng

RT: 24.057 min Scan# 3582

Delta R.T. 0.029 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724RE

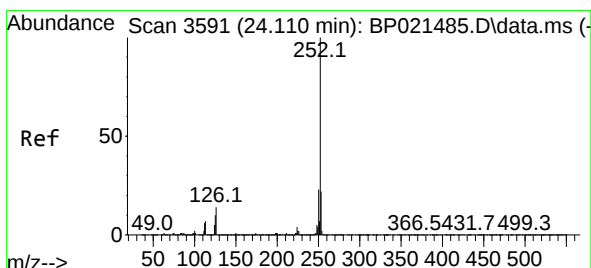
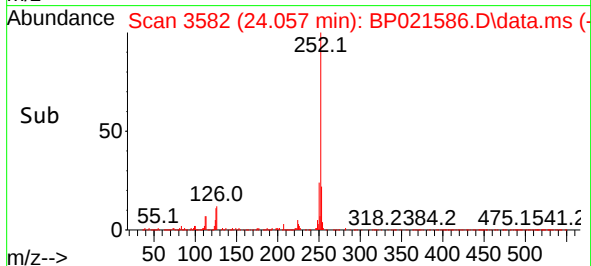
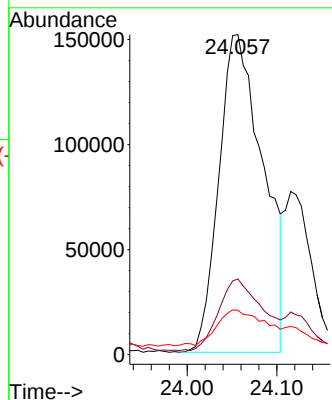
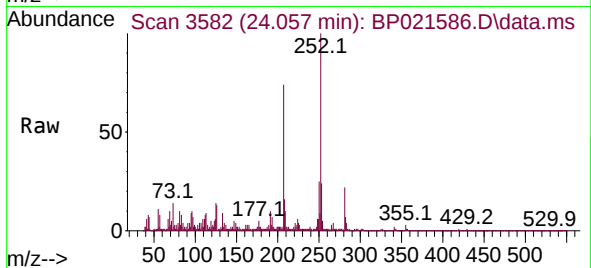
Tgt Ion:252 Resp: 518113

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 13.8 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 3.834 ng

RT: 24.057 min Scan# 3582

Delta R.T. -0.053 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

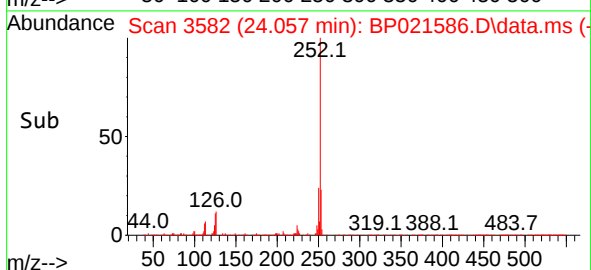
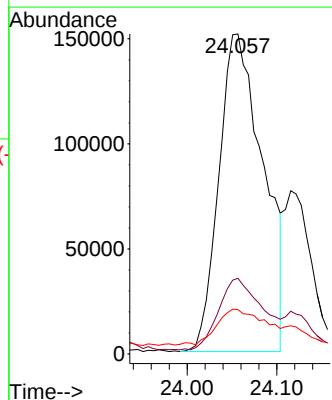
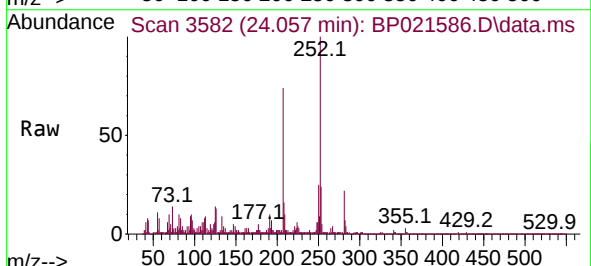
Tgt Ion:252 Resp: 518113

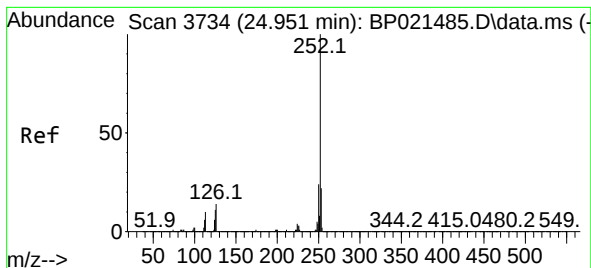
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 13.8 7.8 11.8#





#90

Benzo(a)pyrene

Concen: 2.809 ng

RT: 24.974 min Scan# 31

Delta R.T. 0.023 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724RE

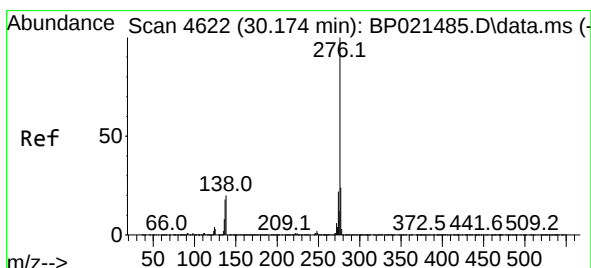
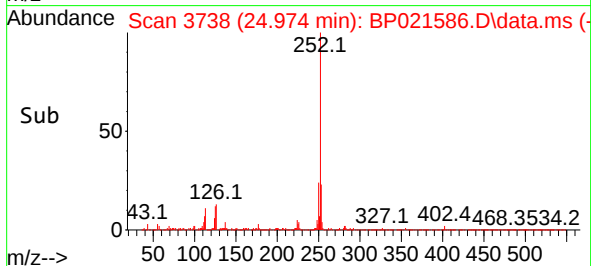
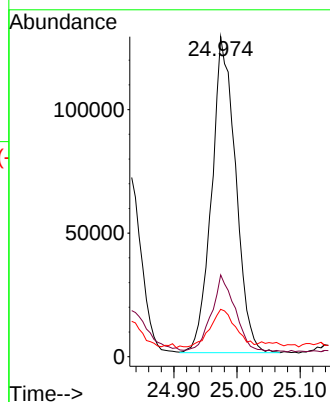
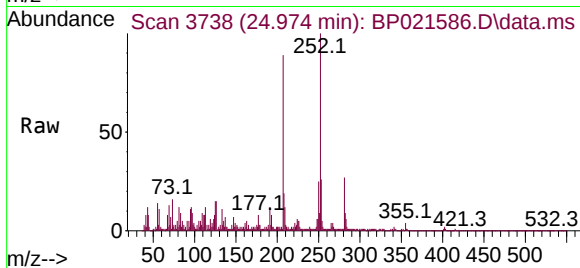
Tgt Ion:252 Resp: 337697

Ion Ratio Lower Upper

252 100

253 25.5 17.7 26.5

125 14.8 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 2.044 ng

RT: 30.250 min Scan# 4635

Delta R.T. 0.076 min

Lab File: BP021586.D

Acq: 21 Aug 2024 00:36

Tgt Ion:276 Resp: 266128

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.6

138 19.2 16.0 24.0

