

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081624\
 Data File : BP021545.D
 Acq On : 16 Aug 2024 18:49
 Operator : RC/JU
 Sample : P3519-07RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-19-080724RE

Quant Time: Aug 17 00:43:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

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

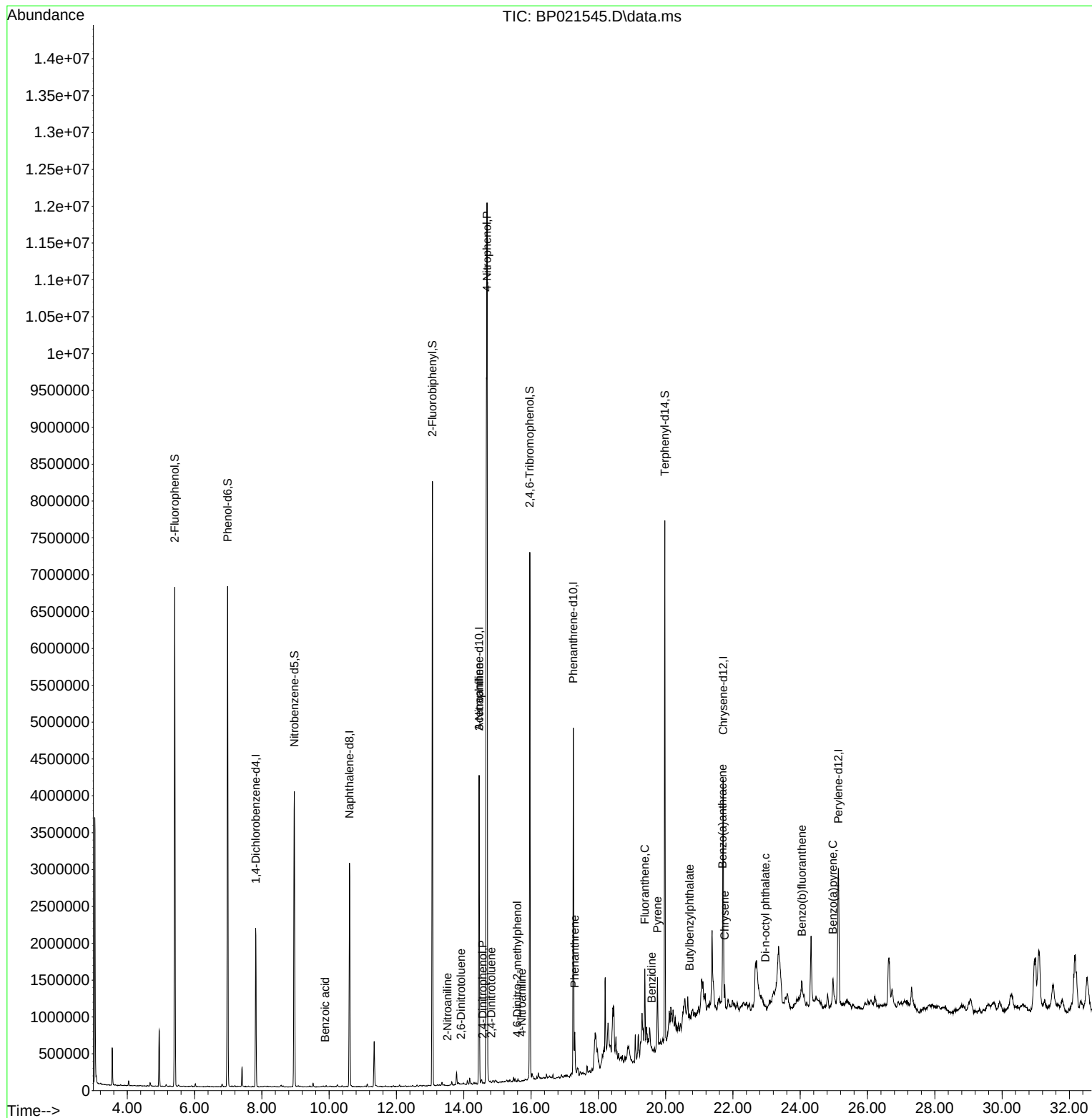
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	567528	20.000	ng	0.00
21) Naphthalene-d8	10.605	136	2410104	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	1504211	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2619781	20.000	ng	0.00
76) Chrysene-d12	21.710	240	1633933	20.000	ng	0.01
86) Perylene-d12	25.133	264	2021792	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	3096800	81.024	ng	0.02
7) Phenol-d6	6.981	99	4505817	80.814	ng	0.02
23) Nitrobenzene-d5	8.963	82	2696706	57.753	ng	0.01
42) 2,4,6-Tribromophenol	15.963	330	1296783	77.460	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	4059852	41.191	ng	0.00
79) Terphenyl-d14	19.975	244	3514634	41.789	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.710	139	107	Below Cal	#	1
32) Benzoic acid	9.881	122	205	3.335	ng	# 64
48) 2-Nitroaniline	13.516	65	102	5.151	ng	# 80
51) 2,6-Dinitrotoluene	13.922	165	368	4.002	ng	91
53) 3-Nitroaniline	14.457	138	741	4.003	ng	# 1
54) 2,4-Dinitrophenol	14.563	184	125	2.464	ng	# 1
56) 4-Nitrophenol	14.693	139	24812	6.469	ng	# 1
57) 2,4-Dinitrotoluene	14.816	165	223	5.030	ng	# 57
62) 4-Nitroaniline	15.722	138	1178	2.989	ng	86
65) 4,6-Dinitro-2-methylph...	15.587	198	122	4.626	ng	# 1
71) Phenanthrene	17.298	178	329167	2.613	ng	98
75) Fluoranthene	19.381	202	577687	3.737	ng	99
77) Benzidine	19.586	184	103	4.575	ng	# 1
78) Pyrene	19.757	202	534275	5.003	ng	99
80) Butylbenzylphthalate	20.710	149	4828	3.713	ng	# 20
81) Benzo(a)anthracene	21.692	228	249495	2.432	ng	94
83) Chrysene	21.757	228	277603	2.867	ng	98
85) Di-n-octyl phthalate	22.969	149	2213	4.855	ng	# 1
88) Benzo(b)fluoranthene	24.051	252	380171	3.274	ng	# 91
90) Benzo(a)pyrene	24.974	252	258893	2.569	ng	# 94

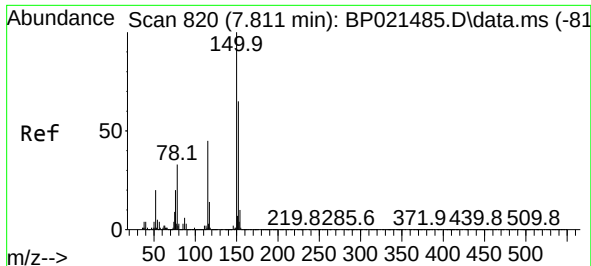
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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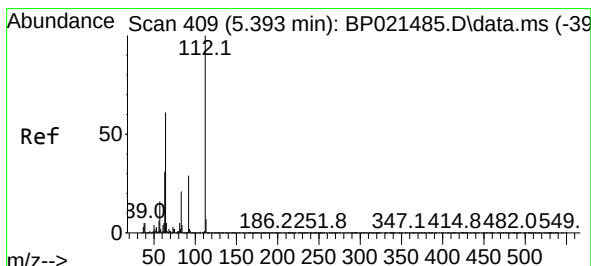
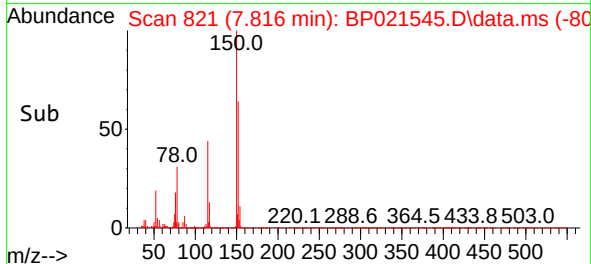
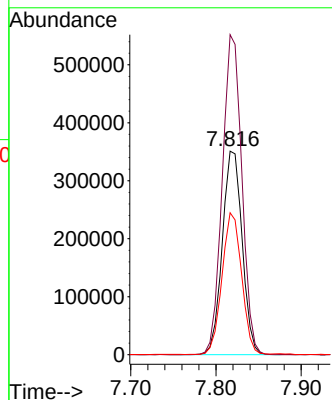
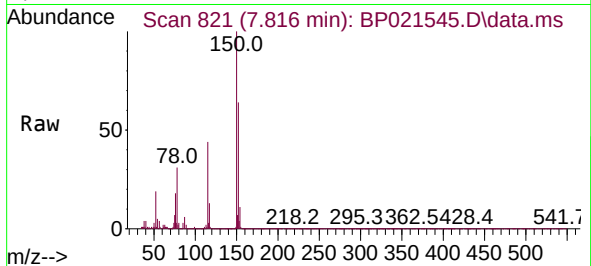




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. 0.005 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

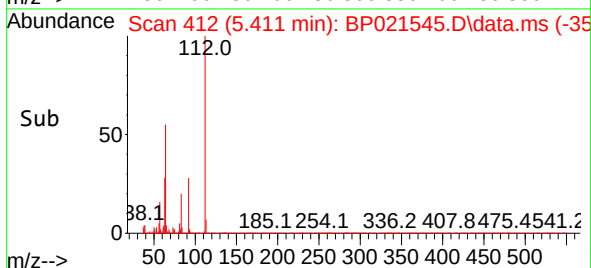
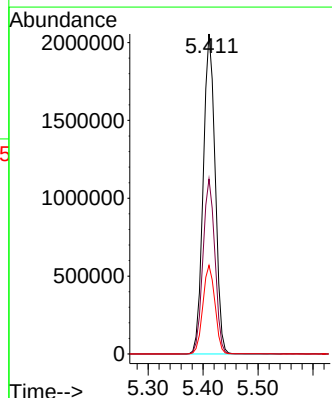
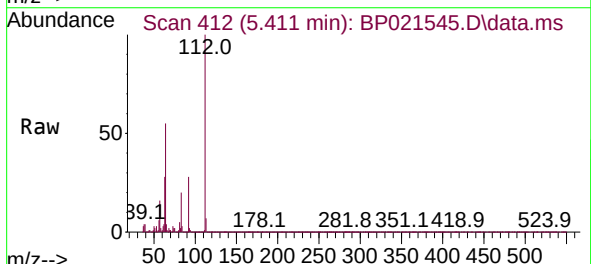
Instrument :
BNA_P
ClientSampleId :
OU4-TS-19-080724RE

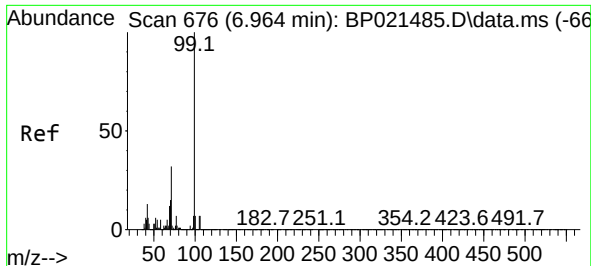
Tgt Ion:152 Resp: 567528
Ion Ratio Lower Upper
152 100
150 157.2 122.4 183.6
115 69.7 54.7 82.1



#5
2-Fluorophenol
Concen: 81.024 ng
RT: 5.411 min Scan# 412
Delta R.T. 0.018 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

Tgt Ion:112 Resp: 3096800
Ion Ratio Lower Upper
112 100
64 54.7 49.0 73.6
63 27.7 24.6 36.8





#7

Phenol-d6

Concen: 80.814 ng

RT: 6.981 min Scan# 61

Delta R.T. 0.018 min

Lab File: BP021545.D

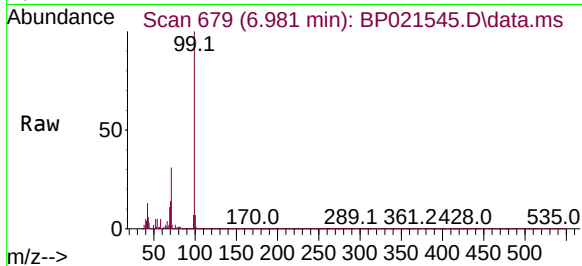
Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE



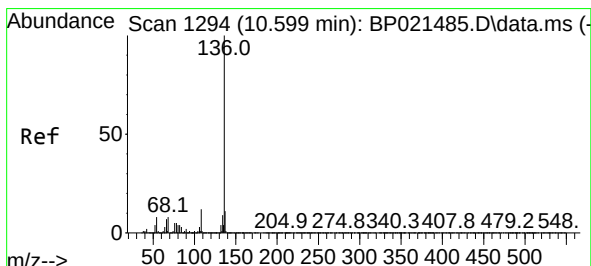
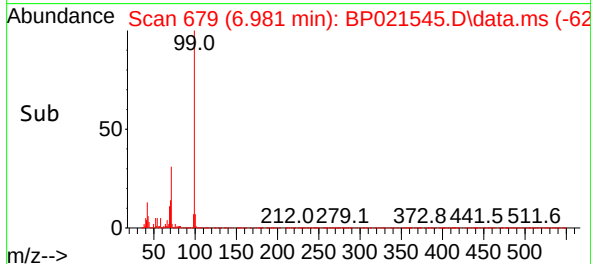
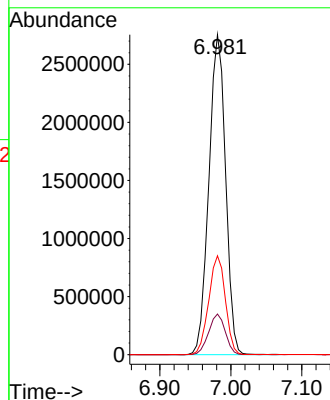
Tgt Ion: 99 Resp: 4505817

Ion Ratio Lower Upper

99 100

42 12.7 10.2 15.4

71 30.9 25.8 38.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.605 min Scan# 1295

Delta R.T. 0.006 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Tgt Ion:136 Resp: 2410104

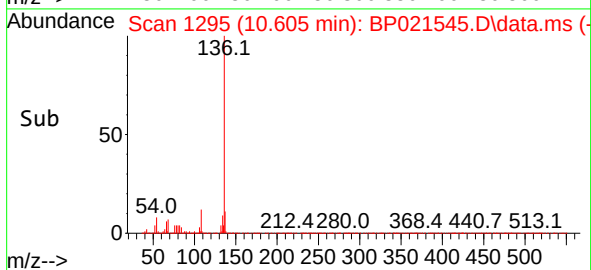
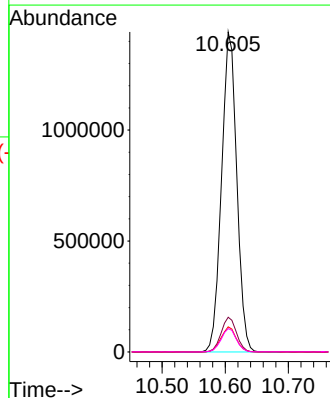
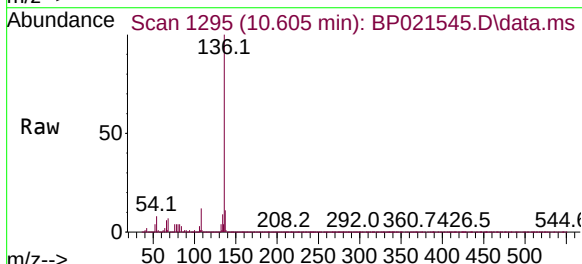
Ion Ratio Lower Upper

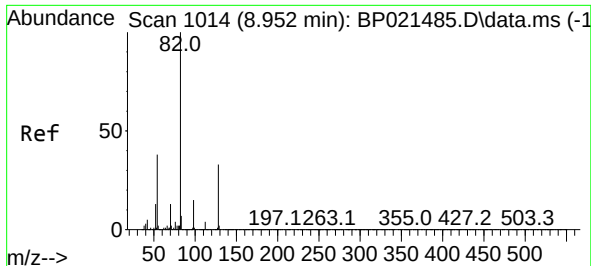
136 100

137 10.9 8.8 13.2

54 7.8 6.3 9.5

68 7.3 6.8 10.2





#23

Nitrobenzene-d5

Concen: 57.753 ng

RT: 8.963 min Scan# 1016

Delta R.T. 0.012 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

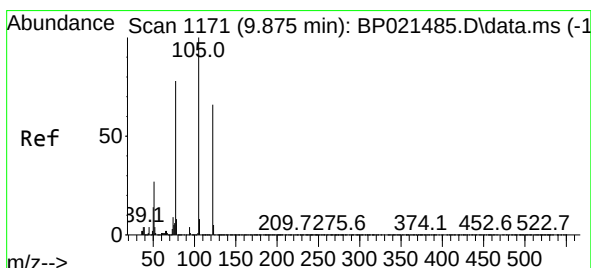
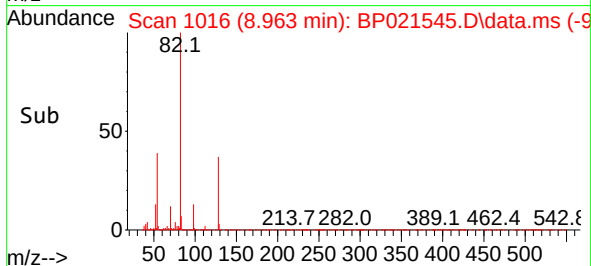
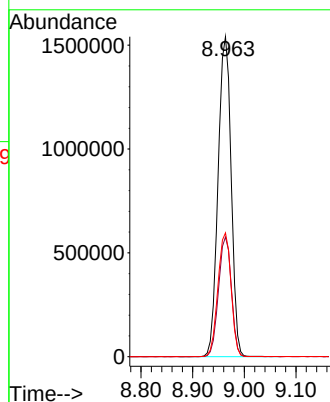
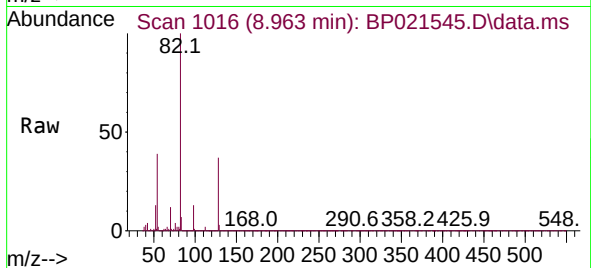
Tgt Ion: 82 Resp: 2696706

Ion Ratio Lower Upper

82 100

128 37.4 26.5 39.7

54 38.7 30.3 45.5



#32

Benzoic acid

Concen: 3.335 ng

RT: 9.881 min Scan# 1172

Delta R.T. 0.006 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

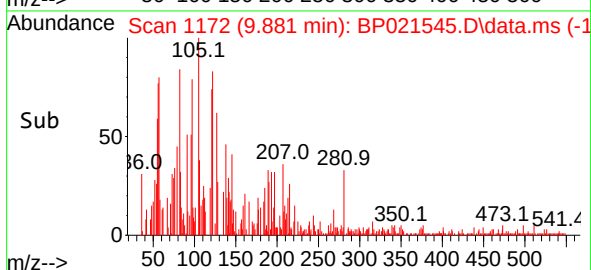
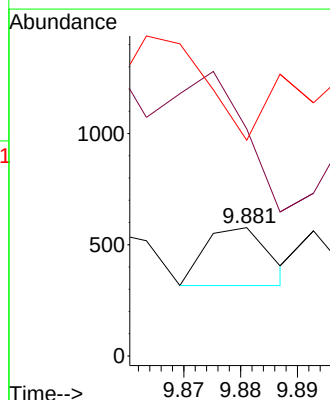
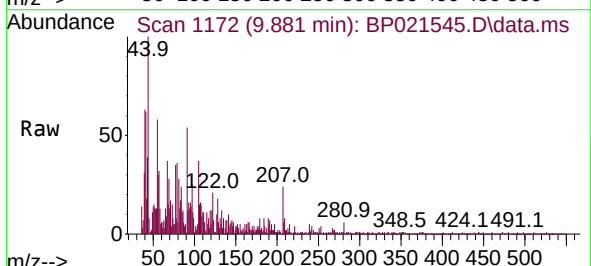
Tgt Ion:122 Resp: 205

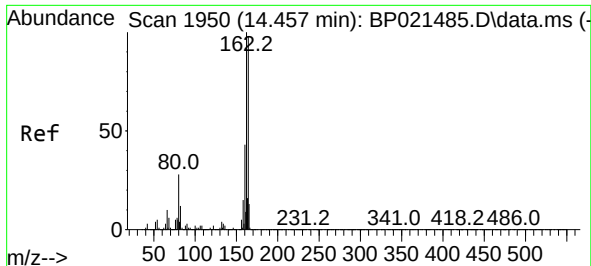
Ion Ratio Lower Upper

122 100

105 176.9 124.6 164.6#

77 168.1 96.2 136.2#

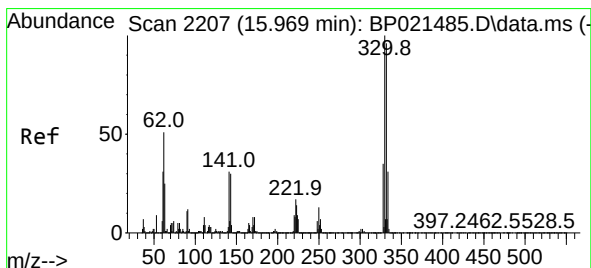
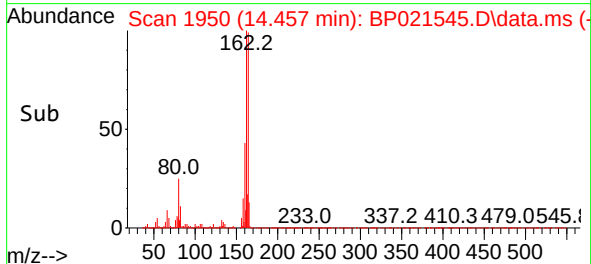
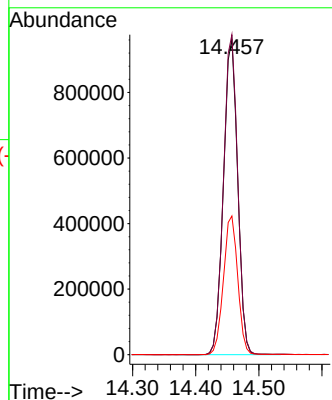
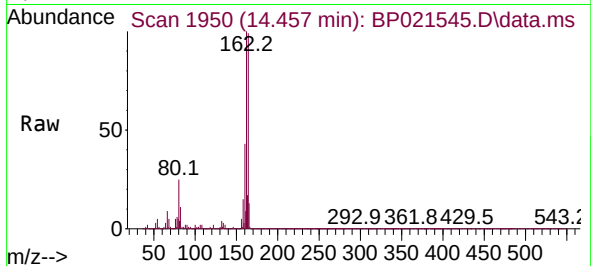




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

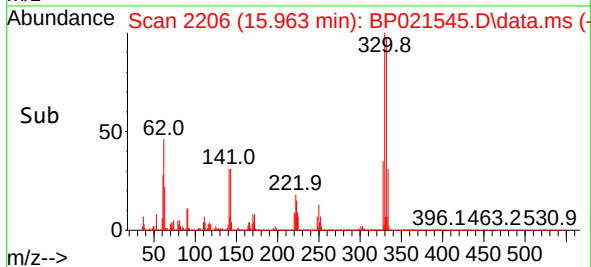
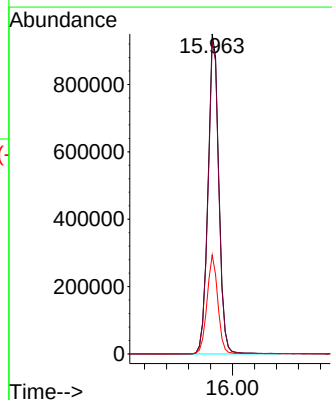
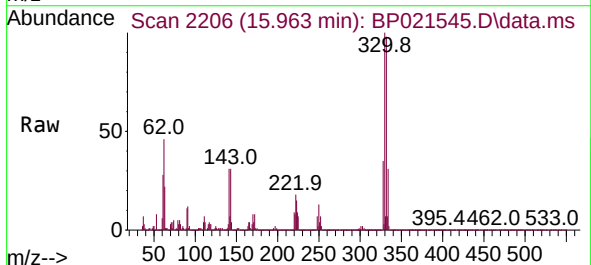
Instrument :
BNA_P
ClientSampleId :
OU4-TS-19-080724RE

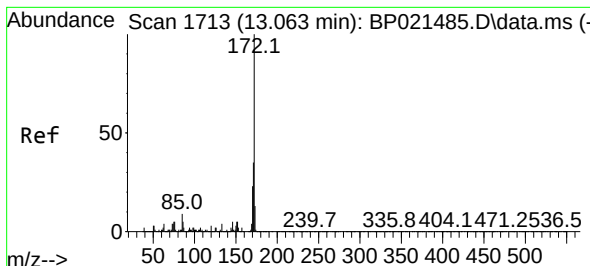
Tgt Ion:164 Resp: 1504211
Ion Ratio Lower Upper
164 100
162 101.5 81.5 122.3
160 44.0 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 77.460 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

Tgt Ion:330 Resp: 1296783
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 30.6 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 41.191 ng

RT: 13.069 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

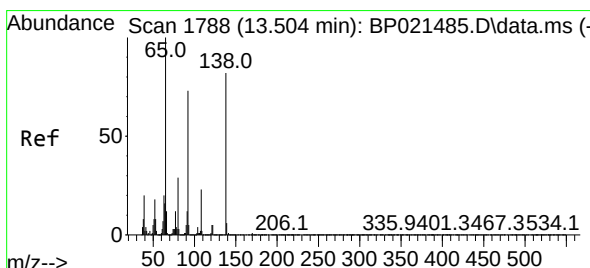
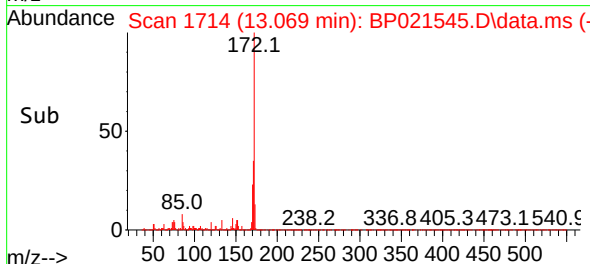
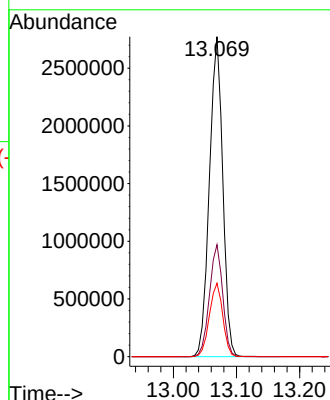
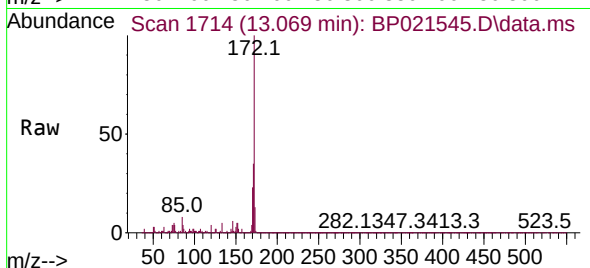
Tgt Ion:172 Resp: 4059852

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.0 18.4 27.6



#48

2-Nitroaniline

Concen: 5.151 ng

RT: 13.516 min Scan# 1790

Delta R.T. 0.012 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

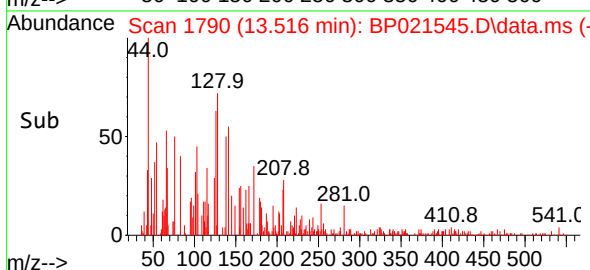
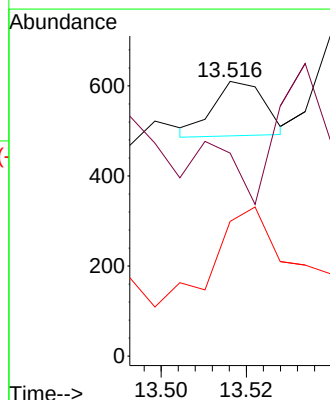
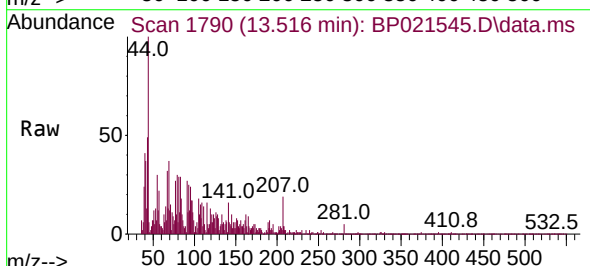
Tgt Ion: 65 Resp: 102

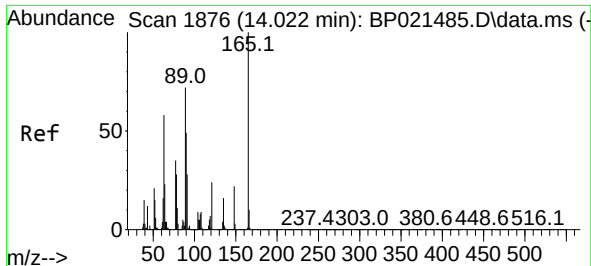
Ion Ratio Lower Upper

65 100

92 73.9 58.1 87.1

138 49.0 65.5 98.3#

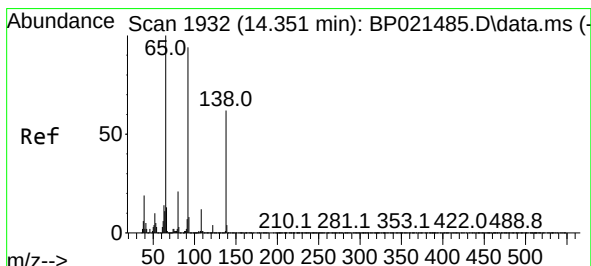
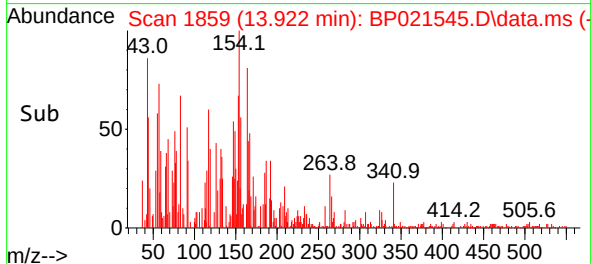
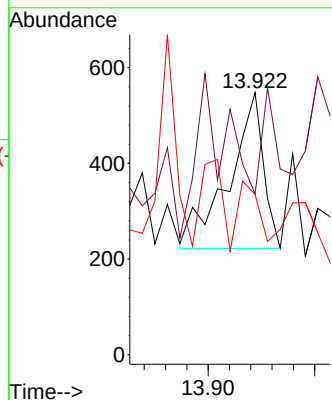
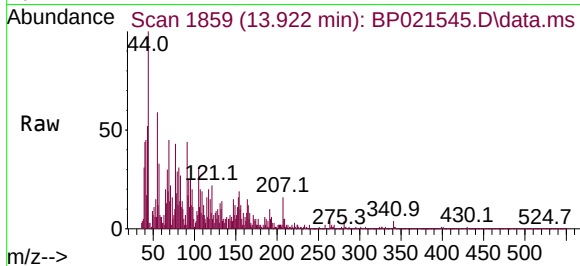




#51
2,6-Dinitrotoluene
Concen: 4.002 ng
RT: 13.922 min Scan# 1876
Delta R.T. -0.100 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

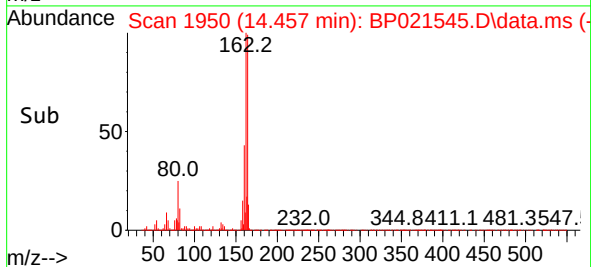
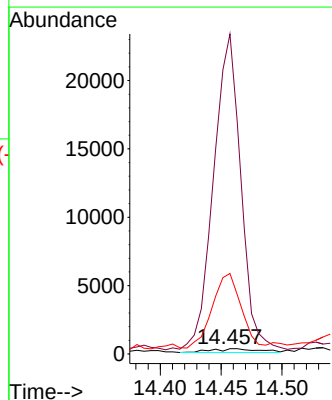
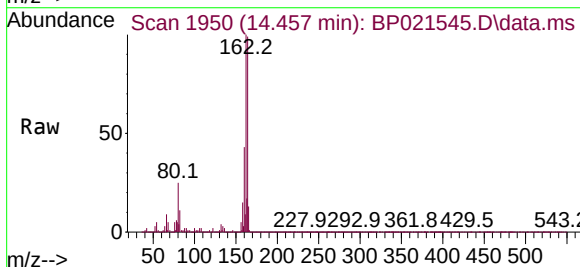
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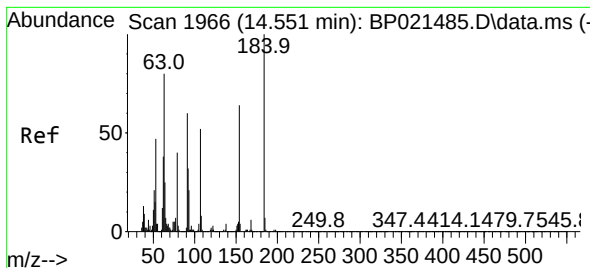
Tgt Ion:165 Resp: 368
Ion Ratio Lower Upper
165 100
63 61.3 51.5 77.3
89 61.1 57.8 86.8



#53
3-Nitroaniline
Concen: 4.003 ng
RT: 14.457 min Scan# 1950
Delta R.T. 0.106 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

Tgt Ion:138 Resp: 741
Ion Ratio Lower Upper
138 100
108 6002.1 16.2 24.4#
92 1509.2 122.2 183.4#

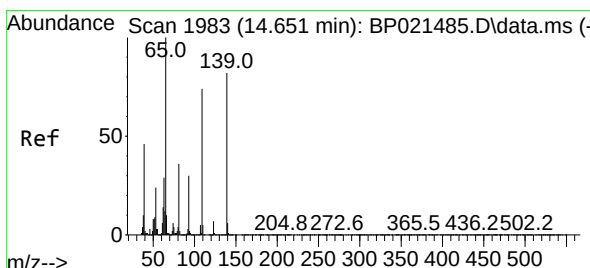
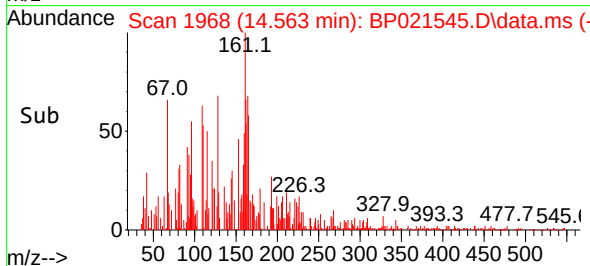
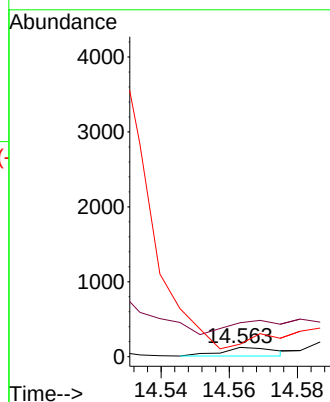
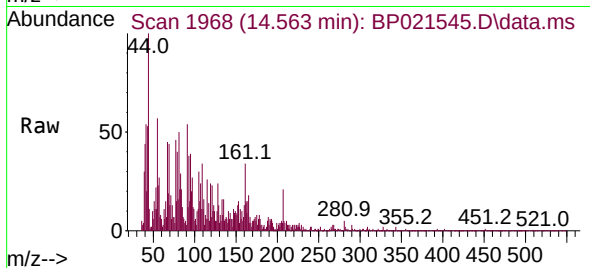




#54
2,4-Dinitrophenol
Concen: 2.464 ng
RT: 14.563 min Scan# 1966
Delta R.T. 0.012 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

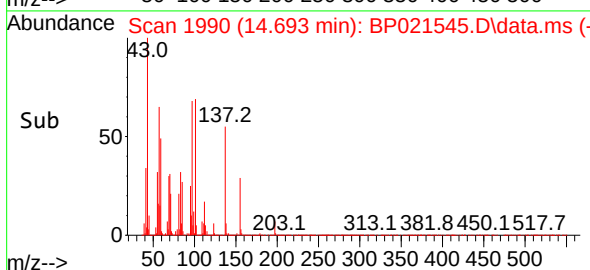
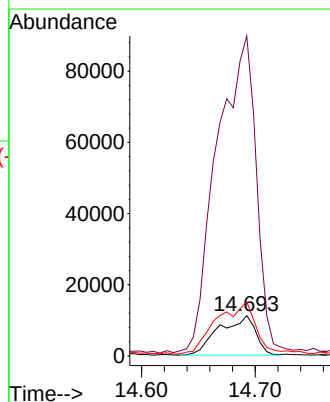
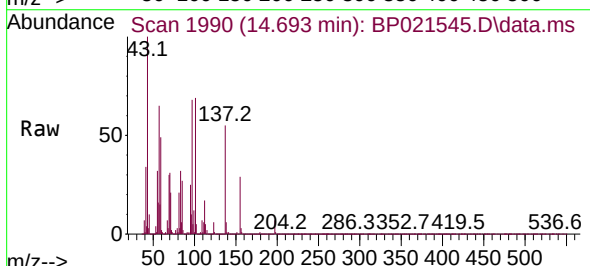
Instrument :
BNA_P
ClientSampleId :
OU4-TS-19-080724RE

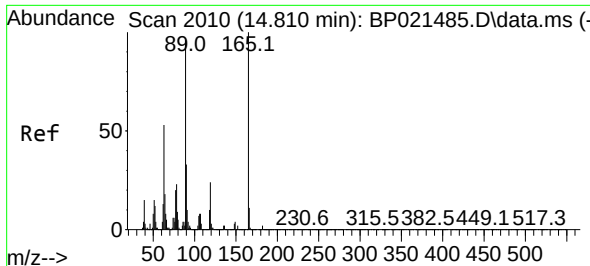
Tgt Ion:184 Resp: 125
Ion Ratio Lower Upper
184 100
63 367.5 64.9 97.3#
154 135.0 52.1 78.1#



#56
4-Nitrophenol
Concen: 6.469 ng
RT: 14.693 min Scan# 1990
Delta R.T. 0.042 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

Tgt Ion:139 Resp: 24812
Ion Ratio Lower Upper
139 100
109 793.1 70.2 110.2#
65 133.9 101.8 141.8

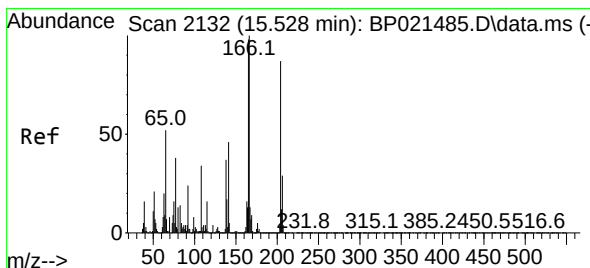
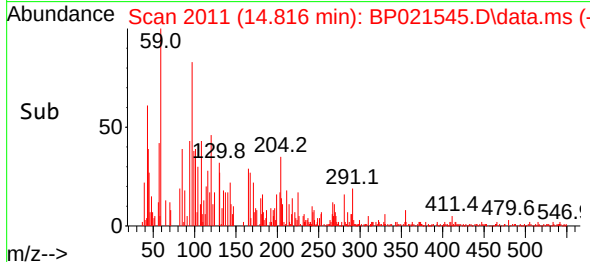
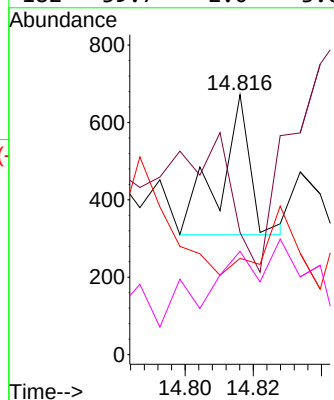
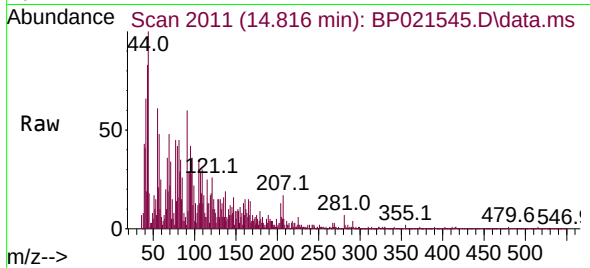




#57
2,4-Dinitrotoluene
Concen: 5.030 ng
RT: 14.816 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

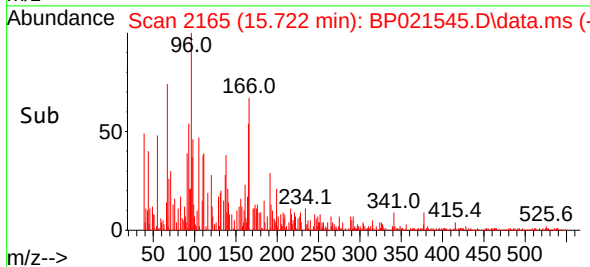
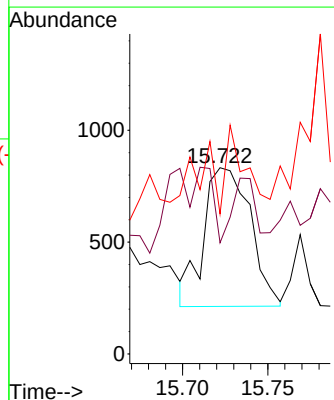
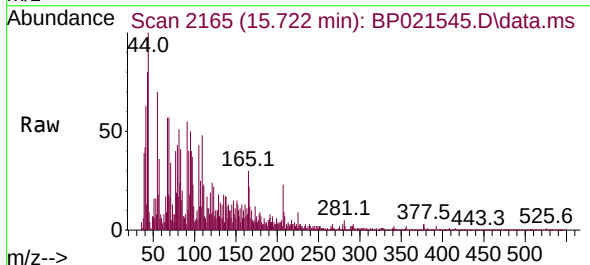
Instrument :
BNA_P
ClientSampleId :
OU4-TS-19-080724RE

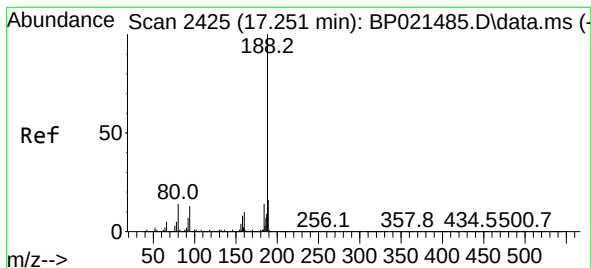
Tgt Ion:165 Resp: 223
Ion Ratio Lower Upper
165 100
63 47.0 42.5 63.7
89 37.1 77.1 115.7#
182 39.7 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.989 ng
RT: 15.722 min Scan# 2165
Delta R.T. 0.194 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

Tgt Ion:138 Resp: 1178
Ion Ratio Lower Upper
138 100
92 59.7 46.4 86.4
108 75.2 73.2 113.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.257 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

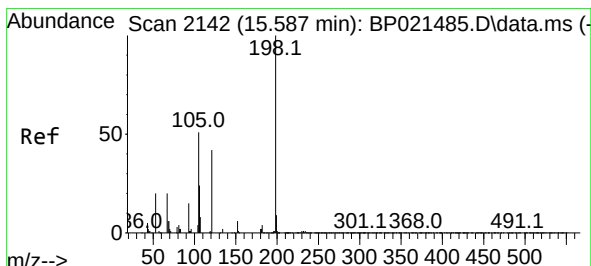
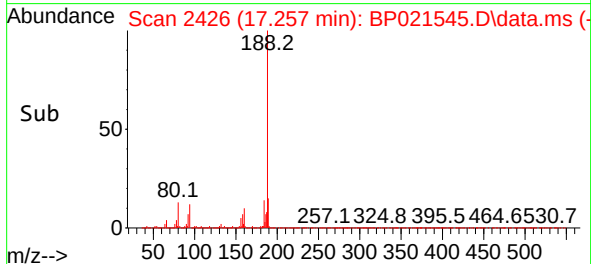
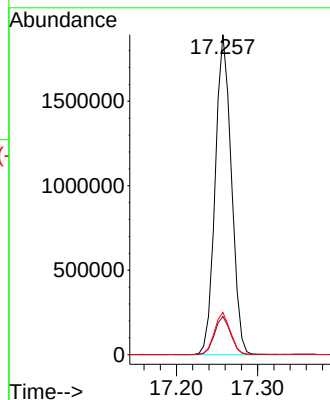
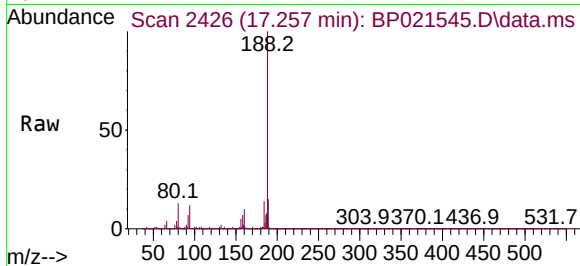
Tgt Ion:188 Resp: 2619781

Ion Ratio Lower Upper

188 100

94 12.0 10.2 15.4

80 13.2 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.626 ng

RT: 15.587 min Scan# 2142

Delta R.T. -0.000 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

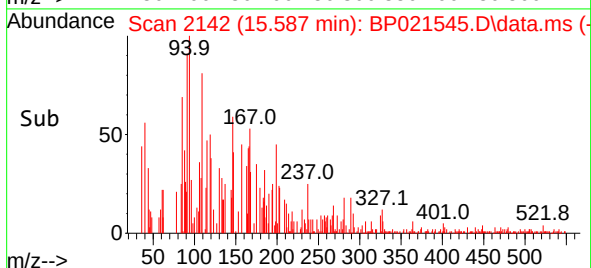
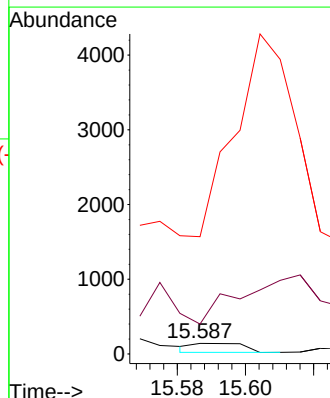
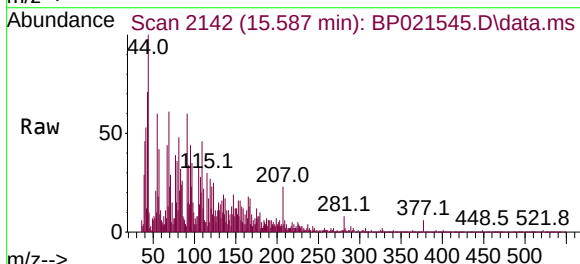
Tgt Ion:198 Resp: 122

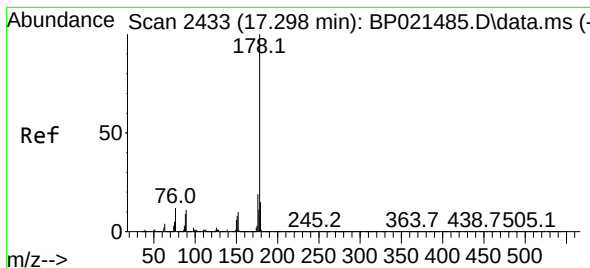
Ion Ratio Lower Upper

198 100

51 282.4 21.5 61.5#

105 1106.3 32.9 72.9#





#71

Phenanthrene

Concen: 2.613 ng

RT: 17.298 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

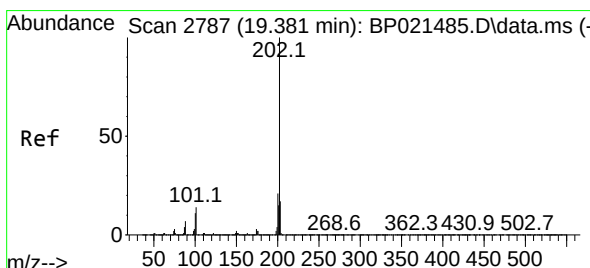
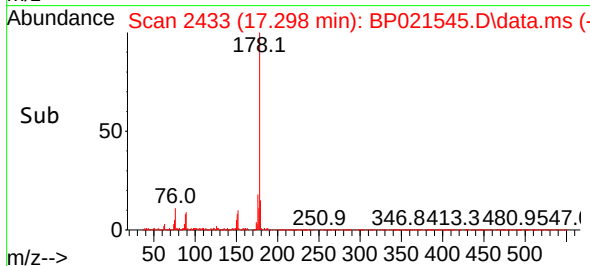
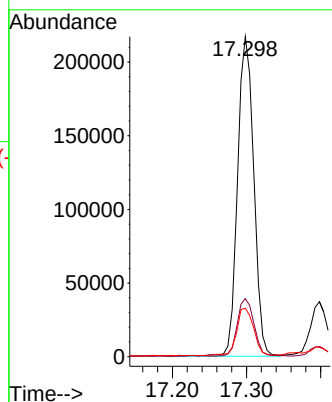
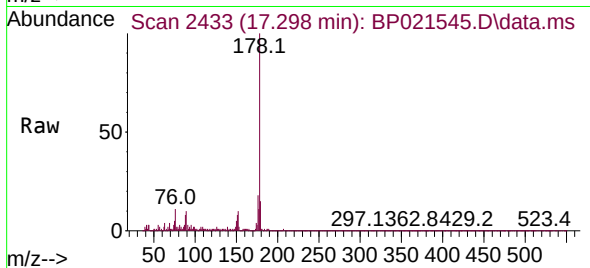
Tgt Ion:178 Resp: 329167

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

179 15.2 12.4 18.6



#75

Fluoranthene

Concen: 3.737 ng

RT: 19.381 min Scan# 2787

Delta R.T. 0.000 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

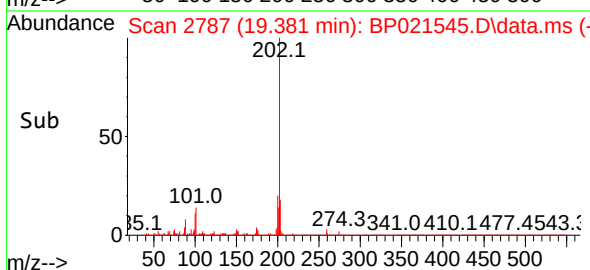
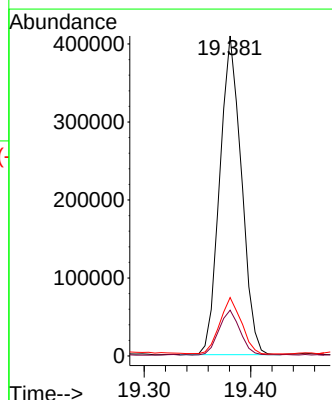
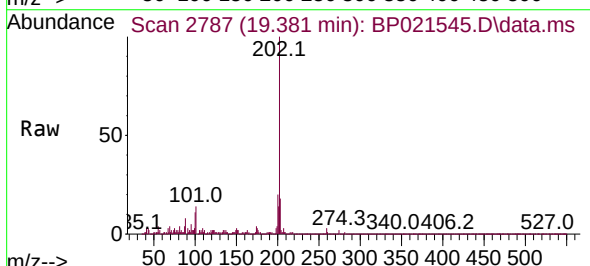
Tgt Ion:202 Resp: 577687

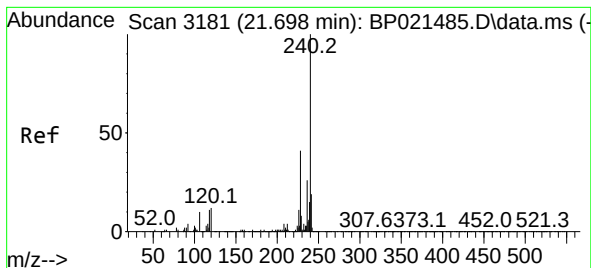
Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.0

203 18.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.710 min Scan# 3181

Delta R.T. 0.012 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

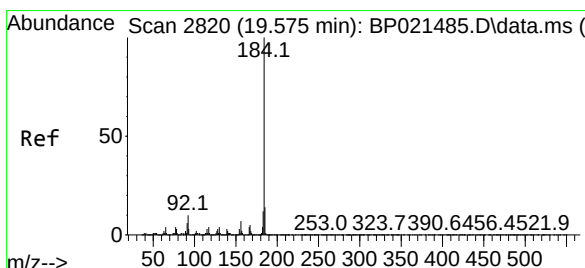
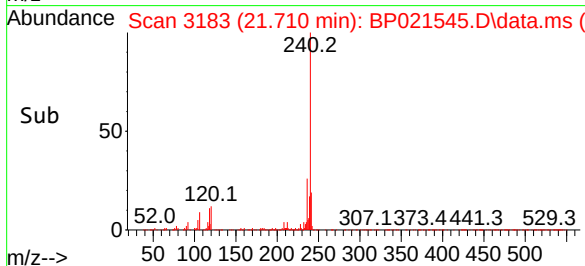
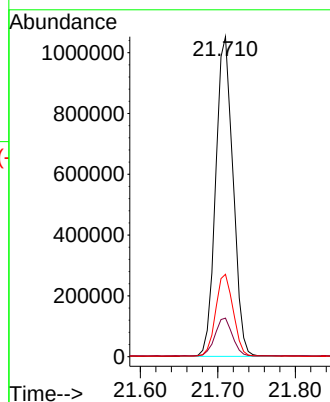
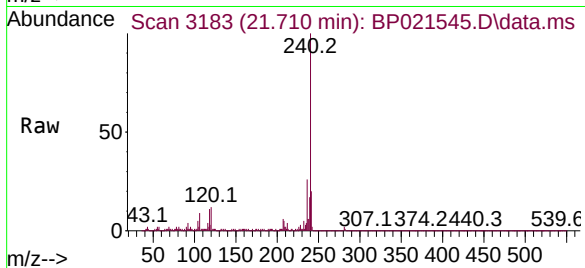
Tgt Ion:240 Resp: 1633933

Ion Ratio Lower Upper

240 100

120 12.1 9.9 14.9

236 25.7 20.6 30.8



#77

Benzidine

Concen: 4.575 ng

RT: 19.586 min Scan# 2822

Delta R.T. 0.011 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

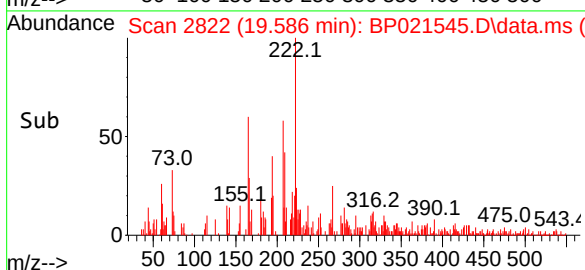
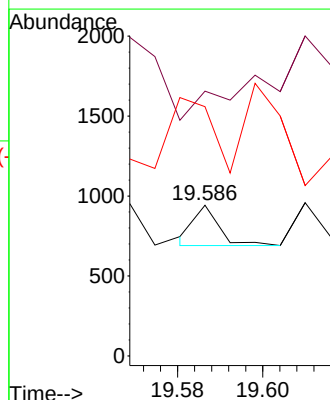
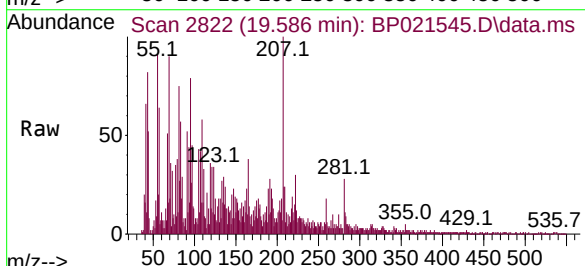
Tgt Ion:184 Resp: 103

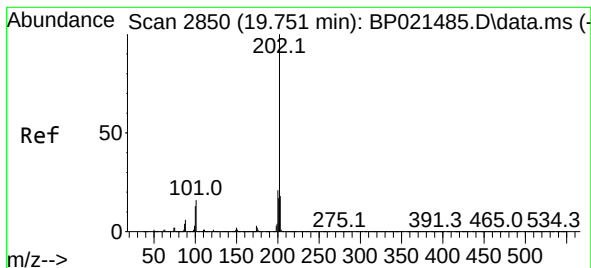
Ion Ratio Lower Upper

184 100

185 175.6 11.4 17.0#

183 165.3 9.3 13.9#





#78

Pyrene

Concen: 5.003 ng

RT: 19.757 min Scan# 2851

Delta R.T. 0.006 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

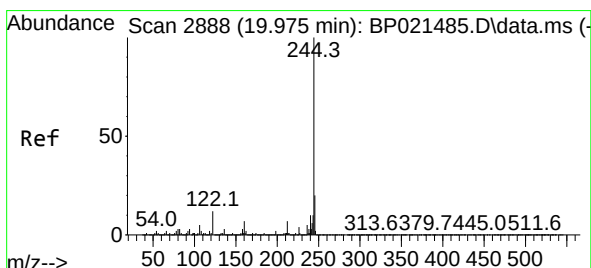
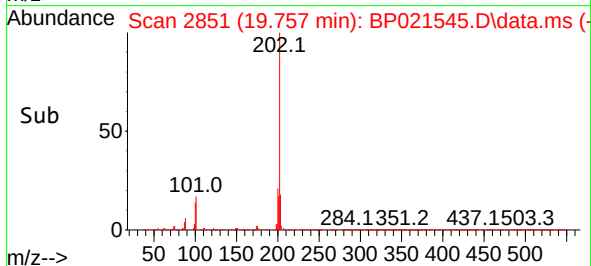
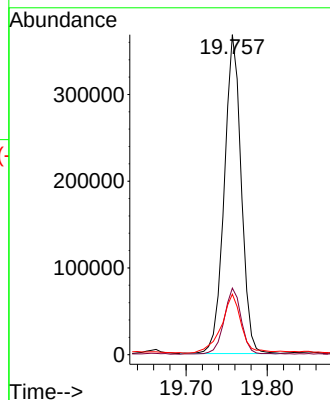
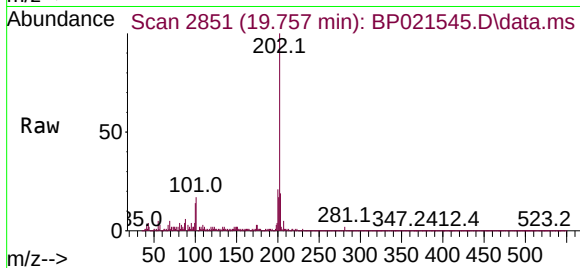
Tgt Ion:202 Resp: 534275

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 18.9 14.1 21.1



#79

Terphenyl-d14

Concen: 41.789 ng

RT: 19.975 min Scan# 2888

Delta R.T. -0.000 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

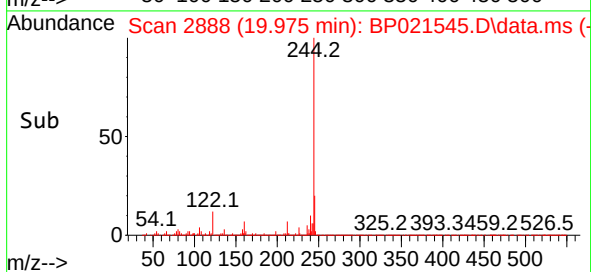
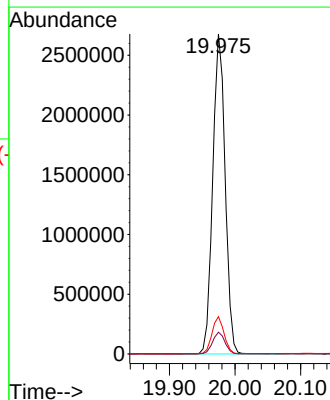
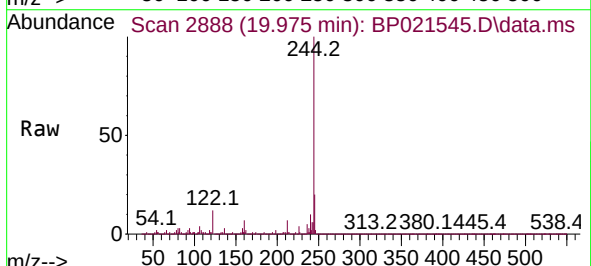
Tgt Ion:244 Resp: 3514634

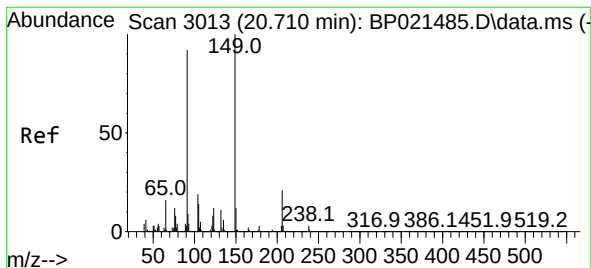
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.6 9.4 14.2





#80

Butylbenzylphthalate

Concen: 3.713 ng

RT: 20.710 min Scan# 3013

Delta R.T. -0.000 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

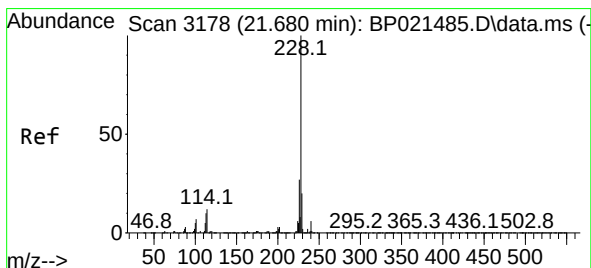
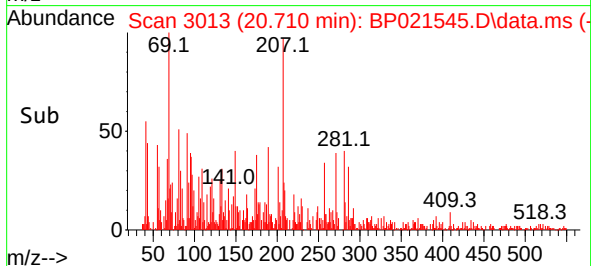
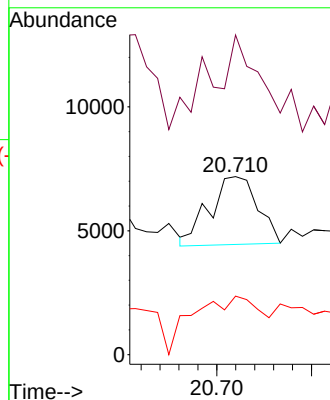
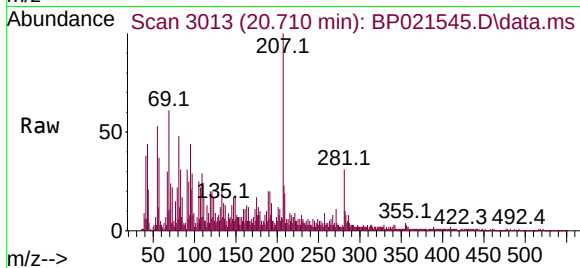
Tgt Ion:149 Resp: 4828

Ion Ratio Lower Upper

149 100

91 179.6 73.3 109.9#

206 32.9 17.1 25.7#



#81

Benzo(a)anthracene

Concen: 2.432 ng

RT: 21.692 min Scan# 3180

Delta R.T. 0.012 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

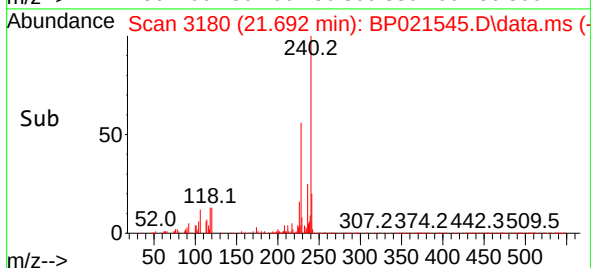
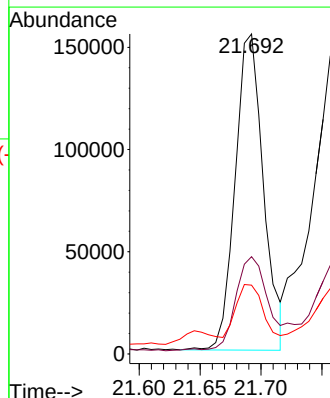
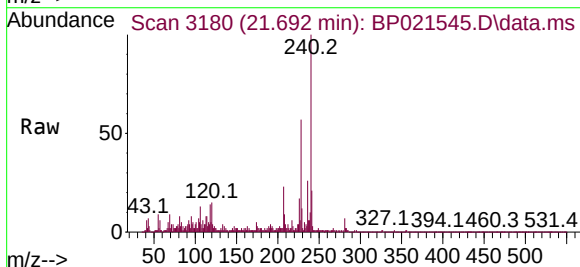
Tgt Ion:228 Resp: 249495

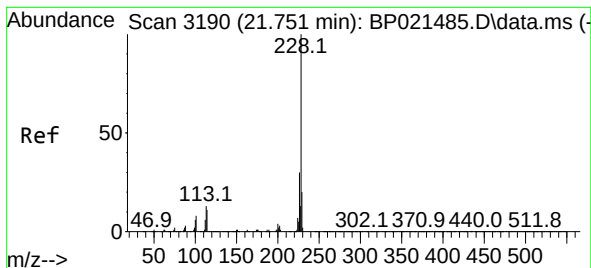
Ion Ratio Lower Upper

228 100

226 30.4 21.4 32.2

229 21.5 15.8 23.6





#83

Chrysene

Concen: 2.867 ng

RT: 21.757 min Scan# 3190

Delta R.T. 0.006 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

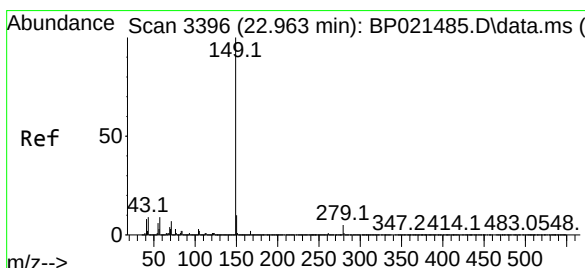
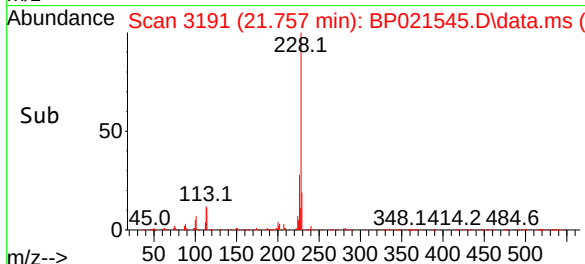
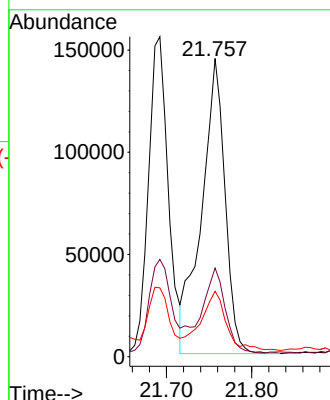
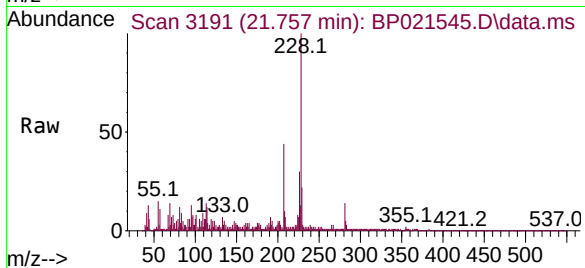
Tgt Ion:228 Resp: 277603

Ion Ratio Lower Upper

228 100

226 29.7 23.9 35.9

229 22.0 15.8 23.6



#85

Di-n-octyl phthalate

Concen: 4.855 ng

RT: 22.969 min Scan# 3397

Delta R.T. 0.006 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

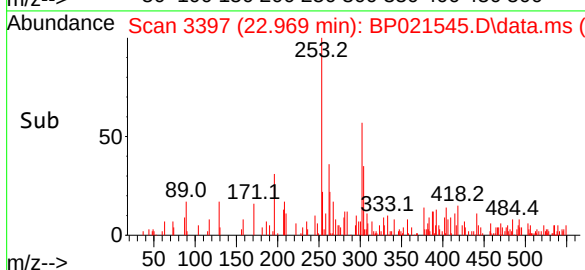
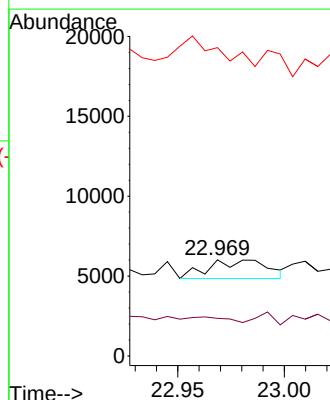
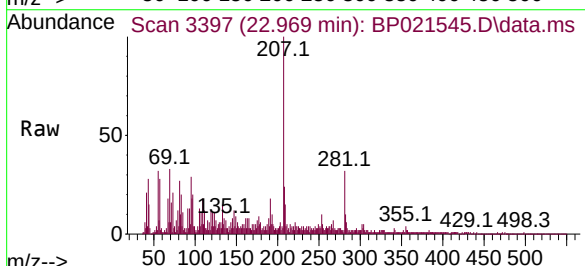
Tgt Ion:149 Resp: 2213

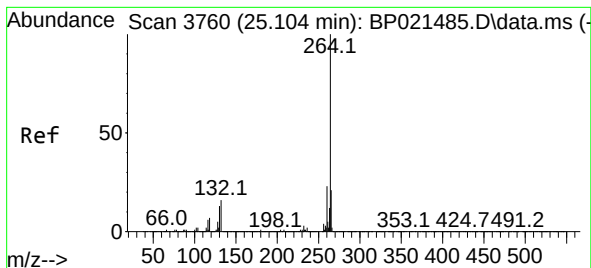
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 114.4 7.3 10.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.133 min Scan# 31

Delta R.T. 0.029 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

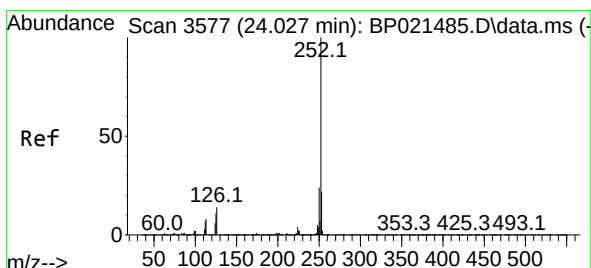
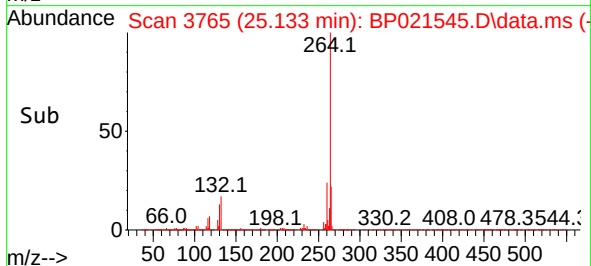
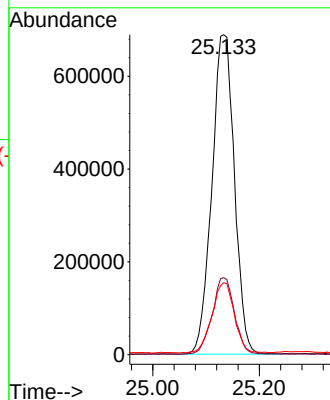
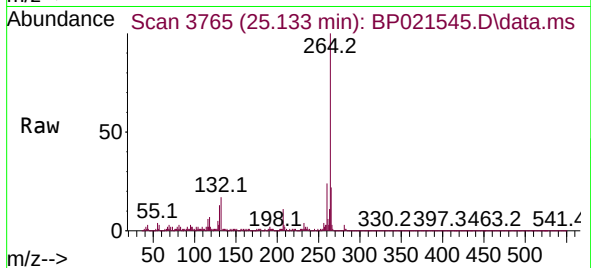
Tgt Ion:264 Resp: 2021792

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.5 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 3.274 ng

RT: 24.051 min Scan# 3581

Delta R.T. 0.024 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

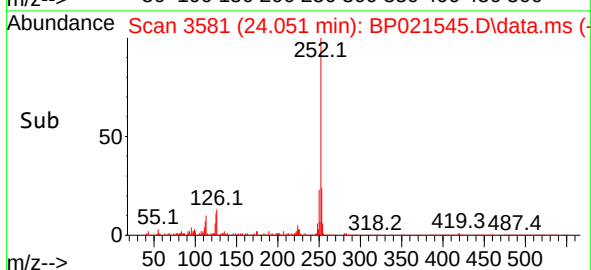
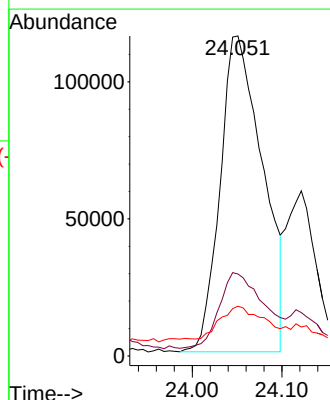
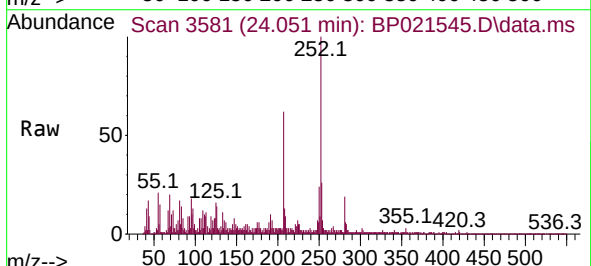
Tgt Ion:252 Resp: 380171

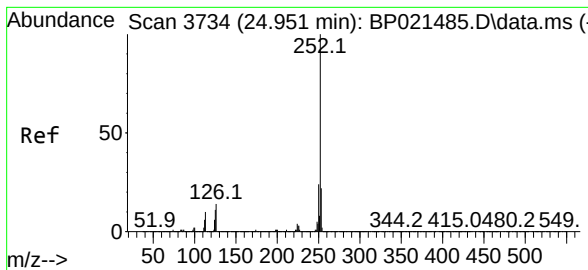
Ion Ratio Lower Upper

252 100

253 25.6 17.6 26.4

125 15.6 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 2.569 ng

RT: 24.974 min Scan# 31

Delta R.T. 0.024 min

Lab File: BP021545.D

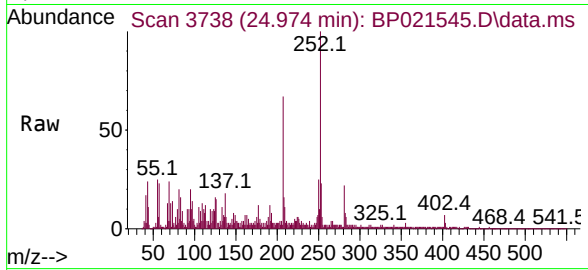
Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE



Tgt Ion:252 Resp: 258893

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 15.9 8.7 13.1#

