

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081624\
 Data File : BP021538.D
 Acq On : 16 Aug 2024 13:48
 Operator : RC/JU
 Sample : P3519-27RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-CF-06-080624RE

Quant Time: Aug 16 14:20:25 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)

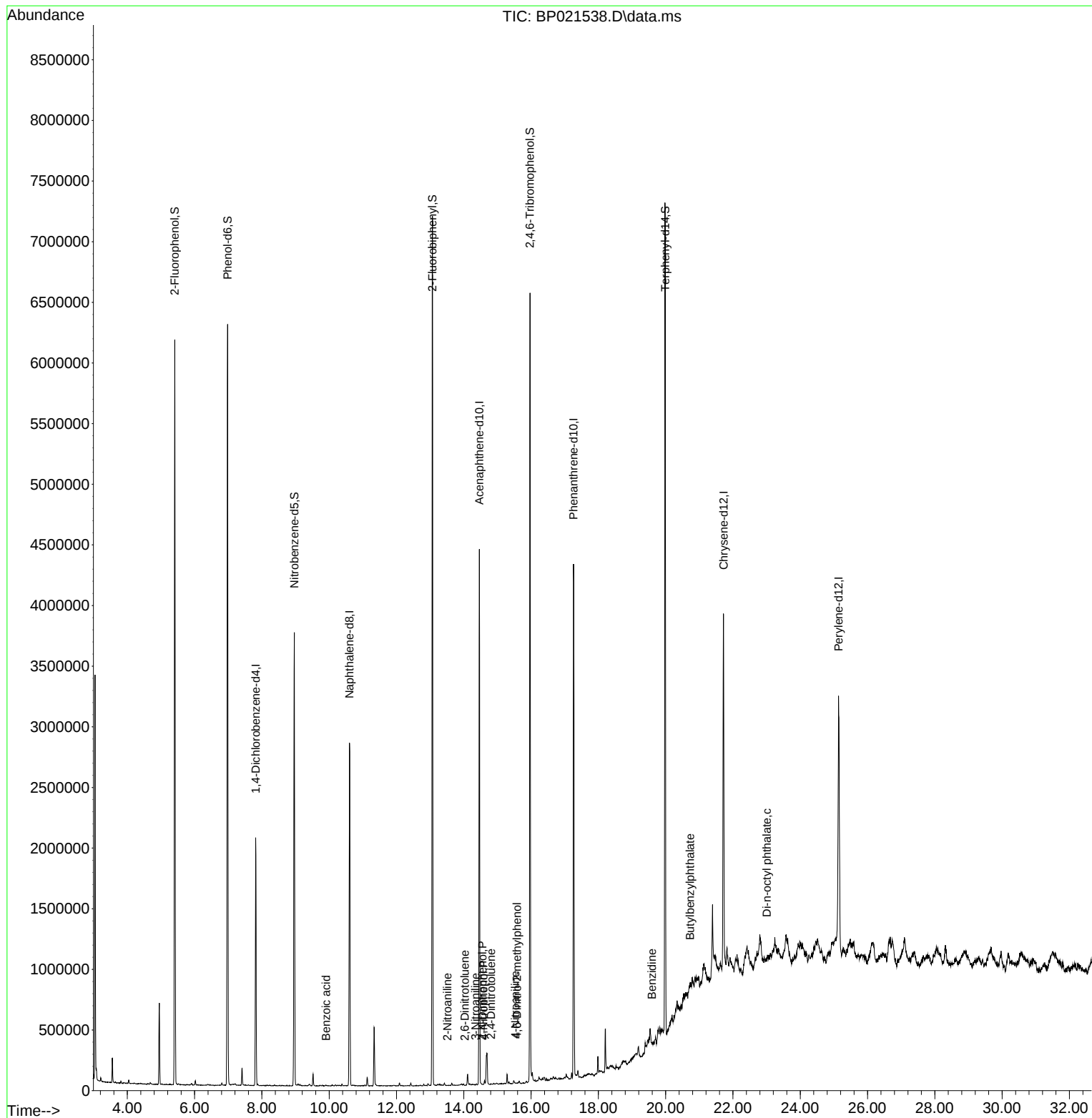
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	540136	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	2362947	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	1505325	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	2764800	20.000	ng	0.01
76) Chrysene-d12	21.721	240	1762835	20.000	ng	0.02
86) Perylene-d12	25.139	264	2133139	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	2800477	76.987	ng	0.02
7) Phenol-d6	6.981	99	4142793	78.071	ng	0.02
23) Nitrobenzene-d5	8.963	82	2322230	50.726	ng	0.01
42) 2,4,6-Tribromophenol	15.969	330	1255856	74.960	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	3814411	38.672	ng	0.00
79) Terphenyl-d14	19.986	244	4047250	44.603	ng	0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.681	139	53	Below Cal	#	1
32) Benzoic acid	9.910	122	124	3.329	ng	# 31
48) 2-Nitroaniline	13.516	65	212	5.155	ng	# 53
51) 2,6-Dinitrotoluene	14.034	165	158	3.993	ng	# 46
53) 3-Nitroaniline	14.351	138	41	3.971	ng	# 26
54) 2,4-Dinitrophenol	14.557	184	68	2.449	ng	# 11
56) 4-Nitrophenol	14.581	139	224	5.091	ng	91
57) 2,4-Dinitrotoluene	14.810	165	407	5.036	ng	# 38
62) 4-Nitroaniline	15.533	138	145	2.941	ng	# 24
65) 4,6-Dinitro-2-methylph...	15.581	198	118	4.624	ng	# 1
77) Benzidine	19.592	184	239	4.577	ng	# 1
80) Butylbenzylphthalate	20.727	149	3372	3.674	ng	# 72
85) Di-n-octyl phthalate	23.004	149	895	4.843	ng	# 1

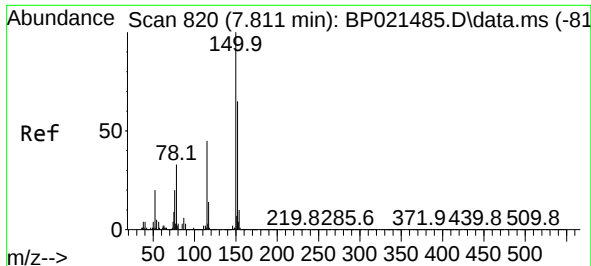
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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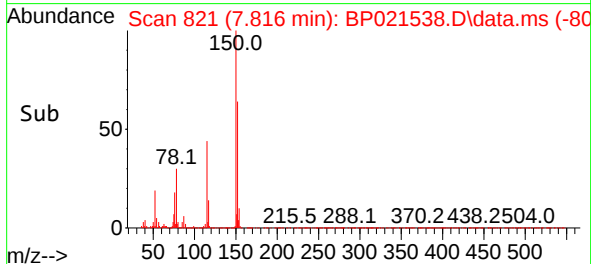
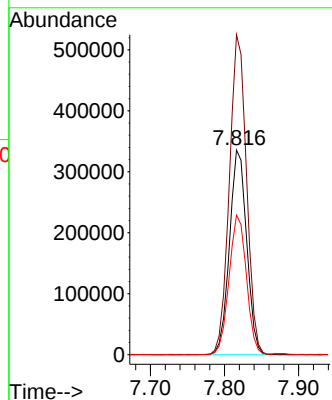
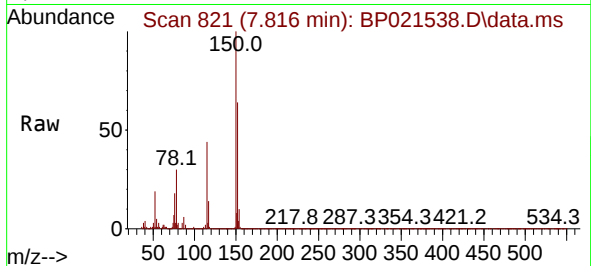




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. 0.005 min
Lab File: BP021538.D
Acq: 16 Aug 2024 13:48

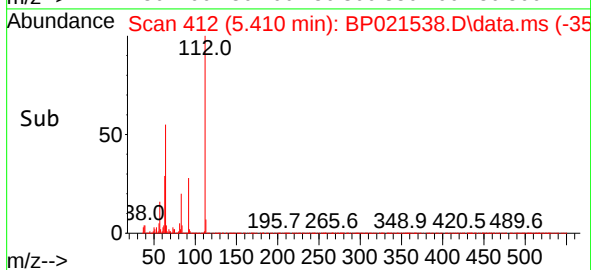
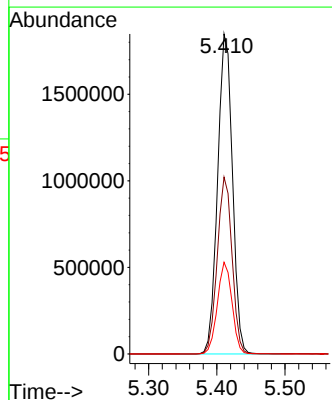
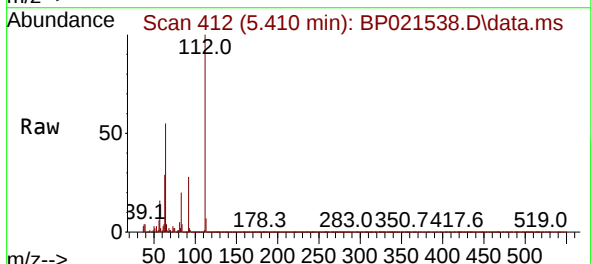
Instrument :
BNA_P
ClientSampleId :
OU4-CF-06-080624RE

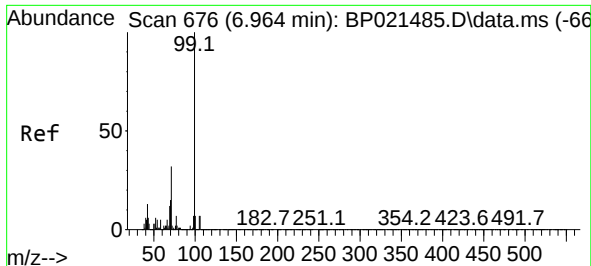
Tgt Ion:152 Resp: 540136
Ion Ratio Lower Upper
152 100
150 156.3 122.4 183.6
115 68.2 54.7 82.1



#5
2-Fluorophenol
Concen: 76.987 ng
RT: 5.410 min Scan# 412
Delta R.T. 0.017 min
Lab File: BP021538.D
Acq: 16 Aug 2024 13:48

Tgt Ion:112 Resp: 2800477
Ion Ratio Lower Upper
112 100
64 55.3 49.0 73.6
63 28.7 24.6 36.8





#7

Phenol-d6

Concen: 78.071 ng

RT: 6.981 min Scan# 61

Delta R.T. 0.017 min

Lab File: BP021538.D

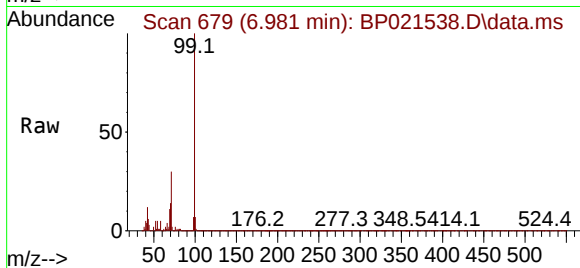
Acq: 16 Aug 2024 13:48

Instrument :

BNA_P

ClientSampleId :

OU4-CF-06-080624RE



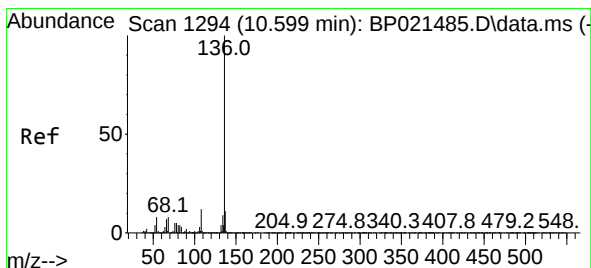
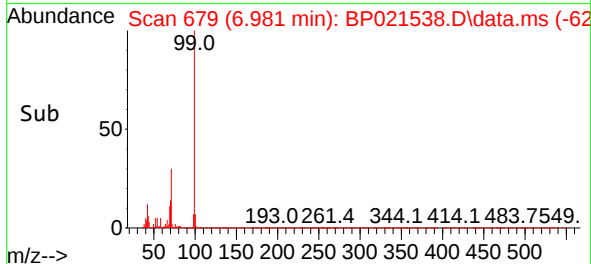
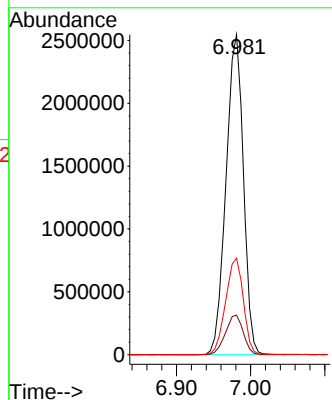
Tgt Ion: 99 Resp: 4142793

Ion Ratio Lower Upper

99 100

42 12.3 10.2 15.4

71 30.2 25.8 38.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.604 min Scan# 1295

Delta R.T. 0.005 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

Tgt Ion:136 Resp: 2362947

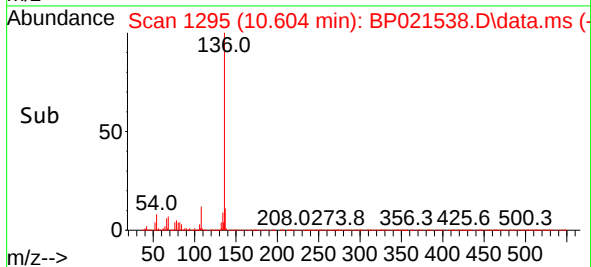
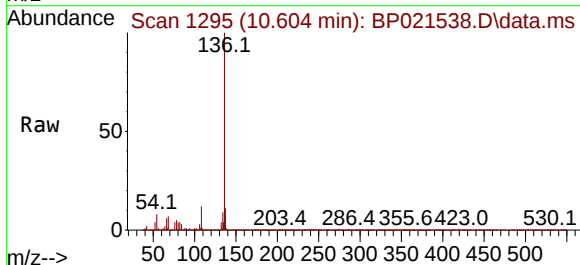
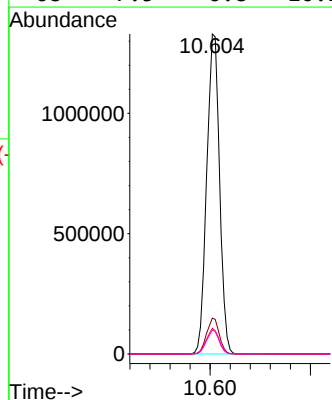
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 8.0 6.3 9.5

68 7.5 6.8 10.2





#23

Nitrobenzene-d5

Concen: 50.726 ng

RT: 8.963 min Scan# 110

Delta R.T. 0.012 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

Instrument :

BNA_P

ClientSampleId :

OU4-CF-06-080624RE

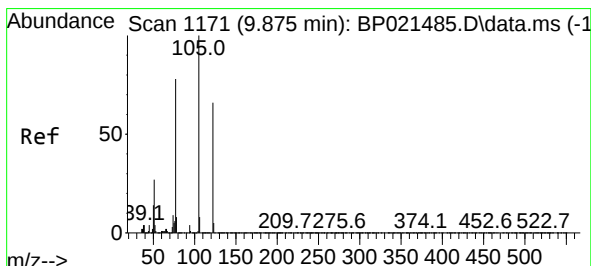
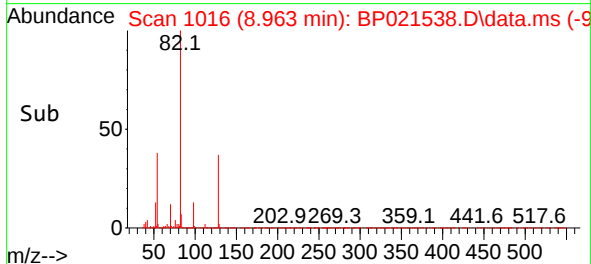
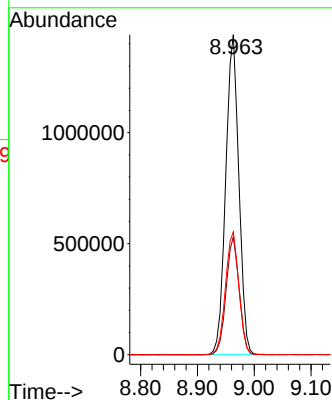
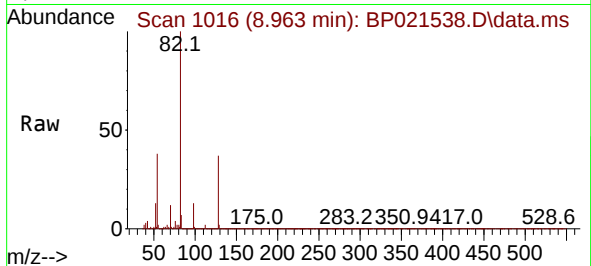
Tgt Ion: 82 Resp: 2322230

Ion Ratio Lower Upper

82 100

128 36.8 26.5 39.7

54 38.4 30.3 45.5



#32

Benzoic acid

Concen: 3.329 ng

RT: 9.910 min Scan# 1177

Delta R.T. 0.035 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

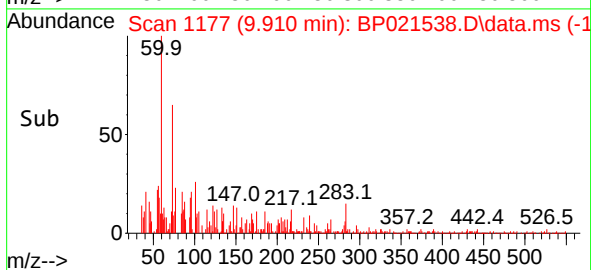
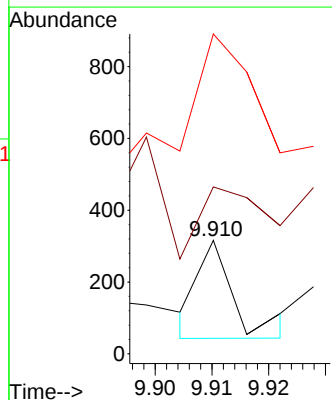
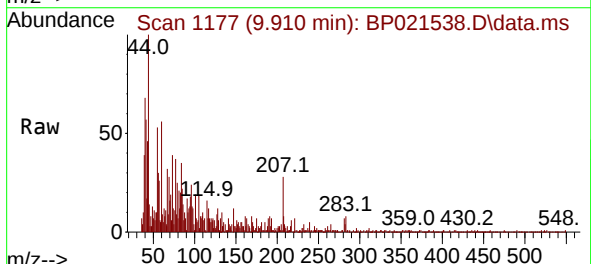
Tgt Ion:122 Resp: 124

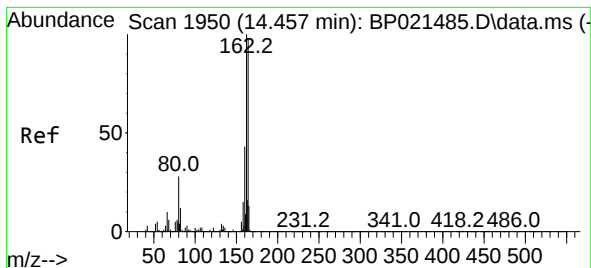
Ion Ratio Lower Upper

122 100

105 147.2 124.6 164.6

77 282.0 96.2 136.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1951

Delta R.T. 0.006 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

Instrument :

BNA_P

ClientSampleId :

OU4-CF-06-080624RE

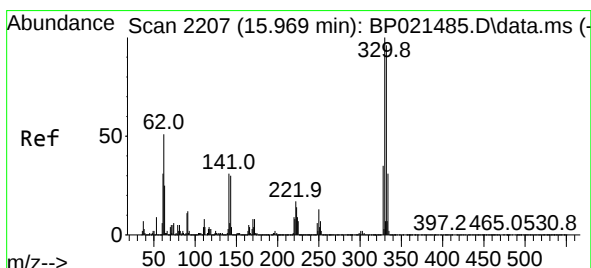
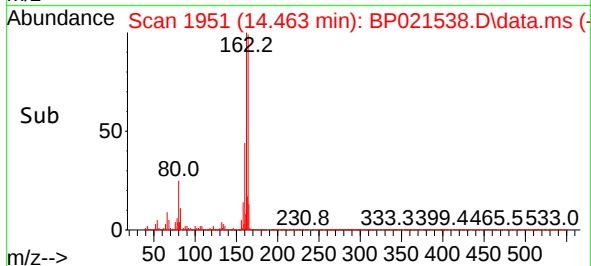
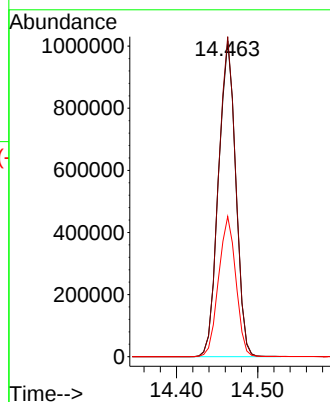
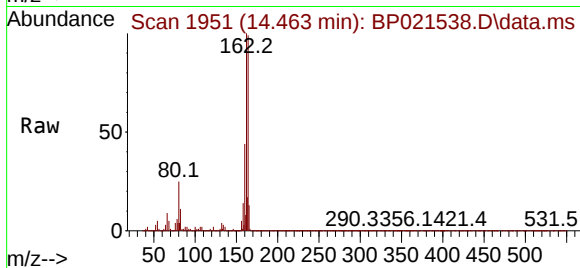
Tgt Ion:164 Resp: 1505325

Ion Ratio Lower Upper

164 100

162 101.3 81.5 122.3

160 44.4 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 74.960 ng

RT: 15.969 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

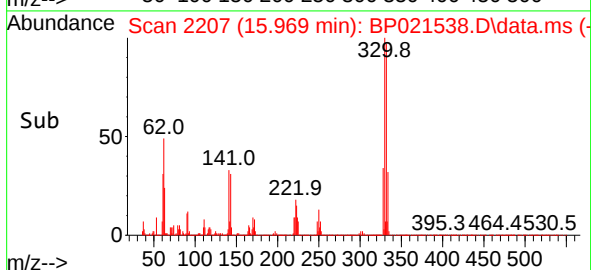
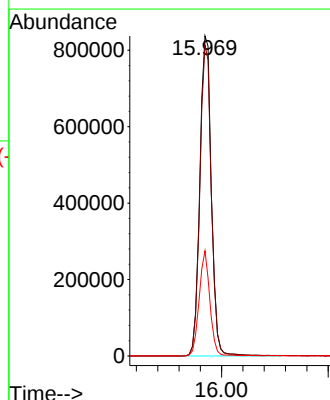
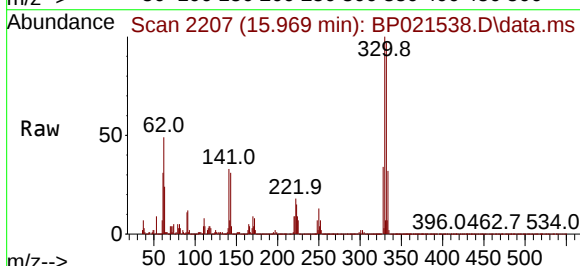
Tgt Ion:330 Resp: 1255856

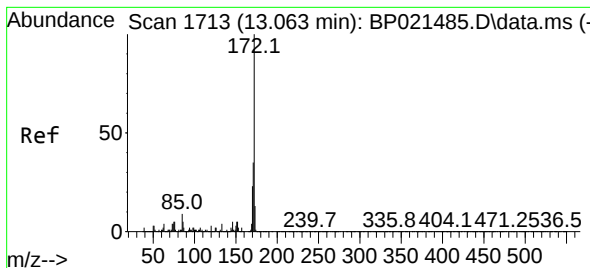
Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

141 30.7 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 38.672 ng

RT: 13.069 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

Instrument :

BNA_P

ClientSampleId :

OU4-CF-06-080624RE

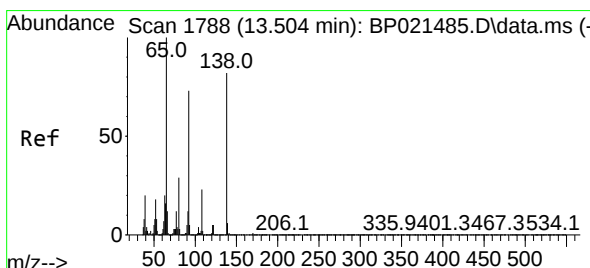
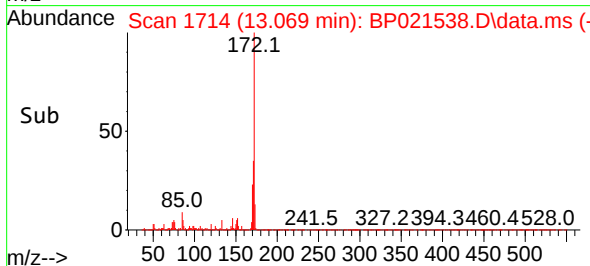
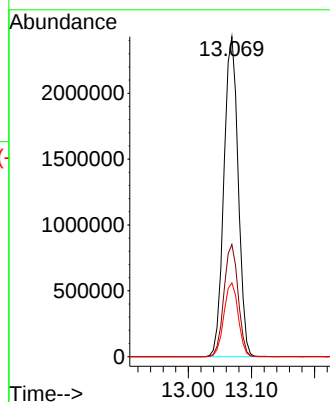
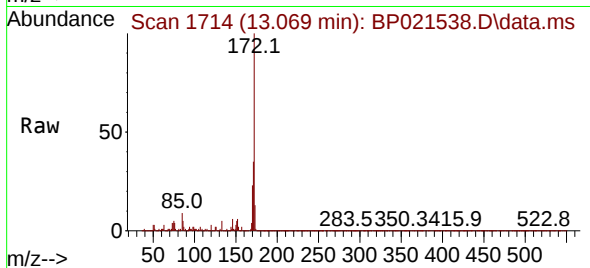
Tgt Ion:172 Resp: 3814411

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.1 18.4 27.6



#48

2-Nitroaniline

Concen: 5.155 ng

RT: 13.516 min Scan# 1790

Delta R.T. 0.012 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

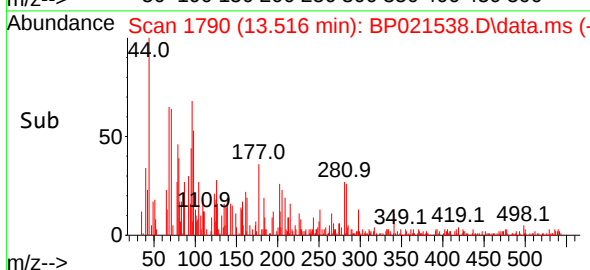
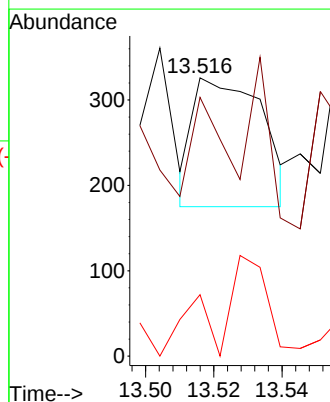
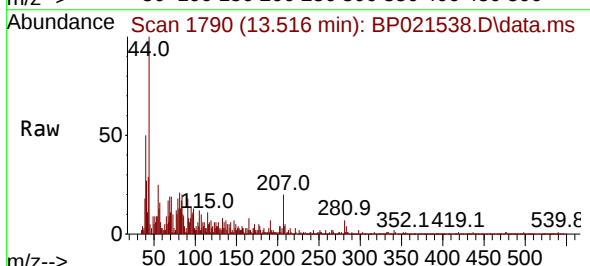
Tgt Ion: 65 Resp: 212

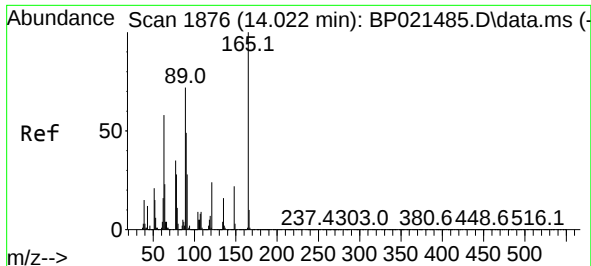
Ion Ratio Lower Upper

65 100

92 92.9 58.1 87.1#

138 22.1 65.5 98.3#





#51

2,6-Dinitrotoluene

Concen: 3.993 ng

RT: 14.034 min Scan# 1876

Delta R.T. 0.012 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

Instrument :

BNA_P

ClientSampleId :

OU4-CF-06-080624RE

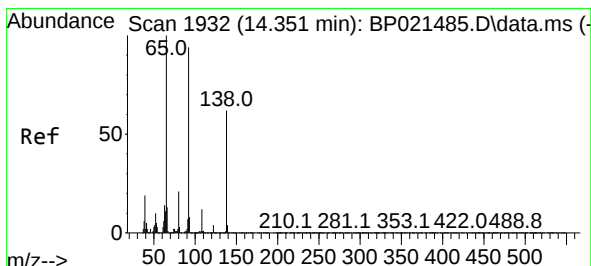
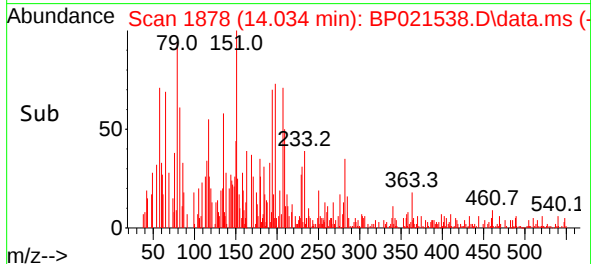
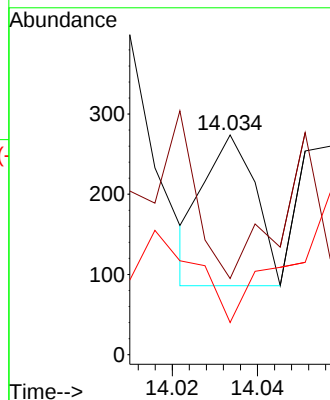
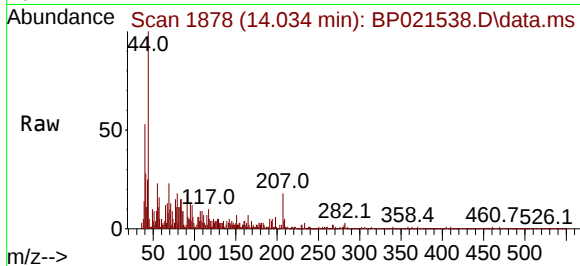
Tgt Ion:165 Resp: 158

Ion Ratio Lower Upper

165 100

63 34.7 51.5 77.3#

89 14.6 57.8 86.8#



#53

3-Nitroaniline

Concen: 3.971 ng

RT: 14.351 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

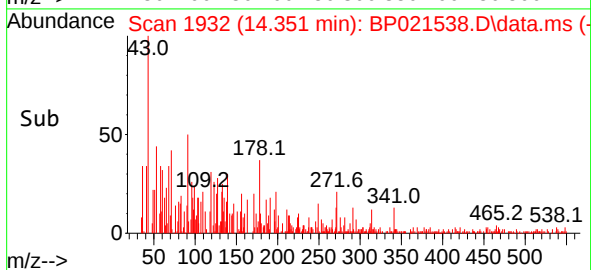
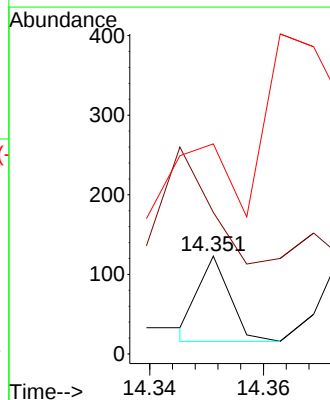
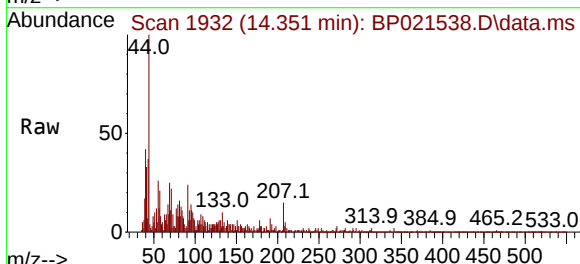
Tgt Ion:138 Resp: 41

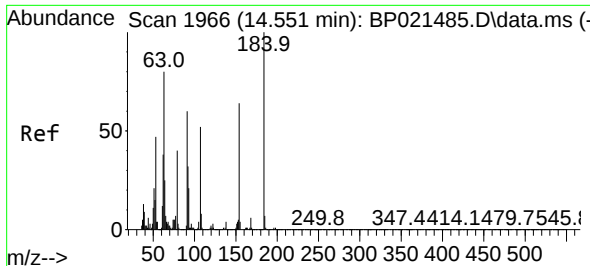
Ion Ratio Lower Upper

138 100

108 144.7 16.2 24.4#

92 214.6 122.2 183.4#

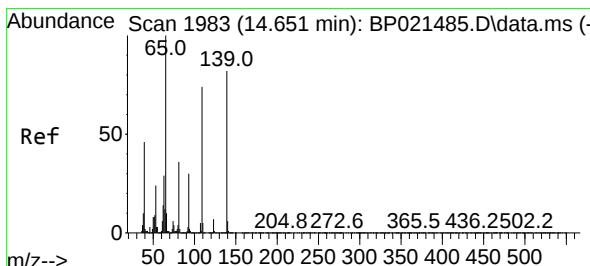
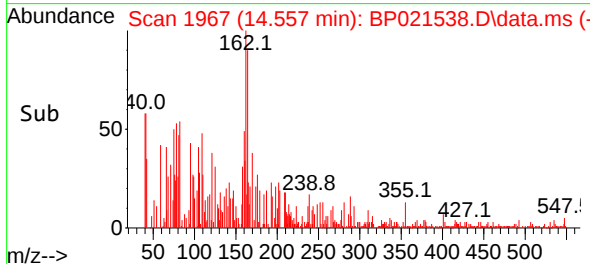
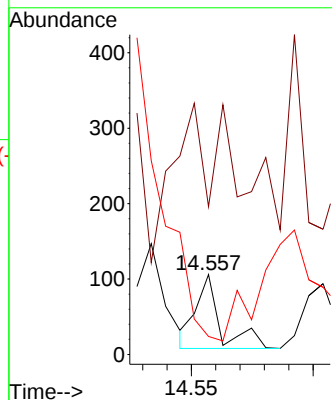
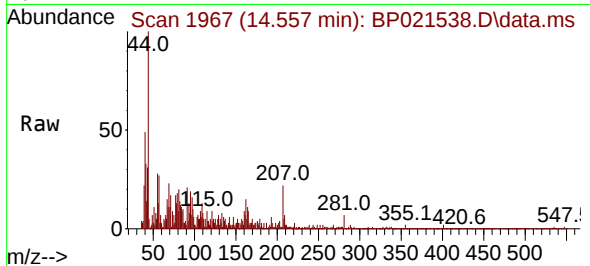




#54
2,4-Dinitrophenol
Concen: 2.449 ng
RT: 14.557 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BP021538.D
Acq: 16 Aug 2024 13:48

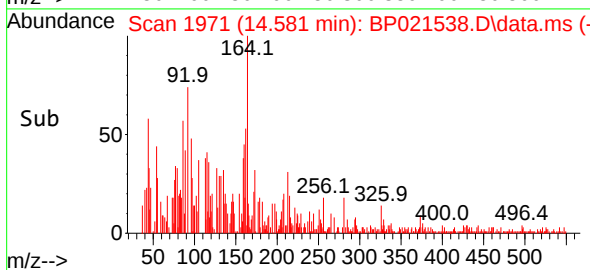
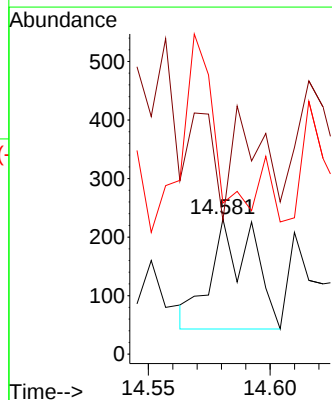
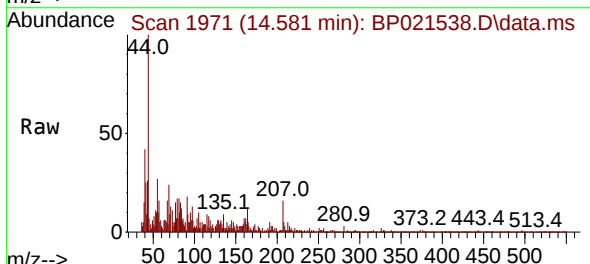
Instrument :
BNA_P
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OU4-CF-06-080624RE

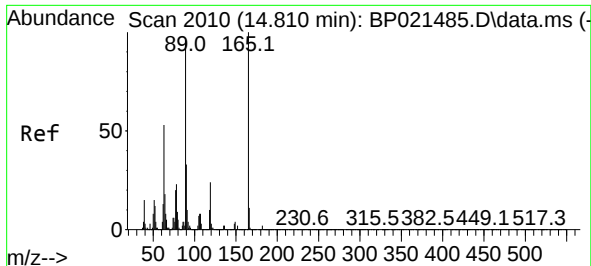
Tgt Ion:184 Resp: 68
Ion Ratio Lower Upper
184 100
63 184.9 64.9 97.3#
154 22.6 52.1 78.1#



#56
4-Nitrophenol
Concen: 5.091 ng
RT: 14.581 min Scan# 1971
Delta R.T. -0.070 min
Lab File: BP021538.D
Acq: 16 Aug 2024 13:48

Tgt Ion:139 Resp: 224
Ion Ratio Lower Upper
139 100
109 99.1 70.2 110.2
65 111.7 101.8 141.8

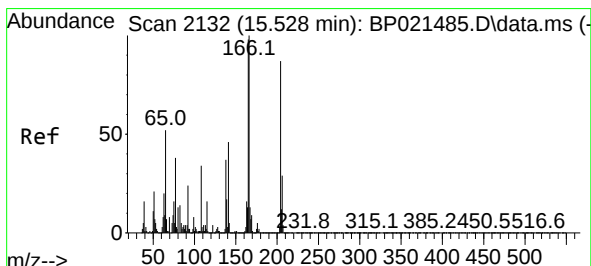
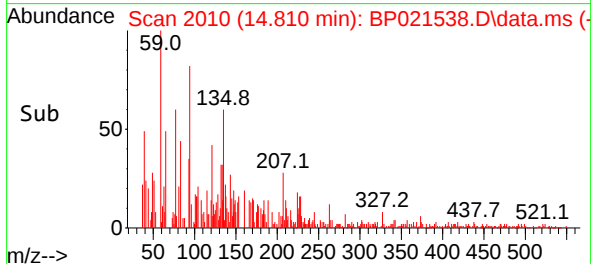
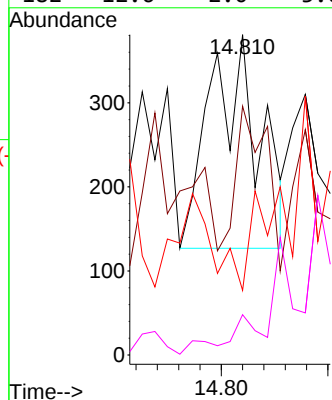
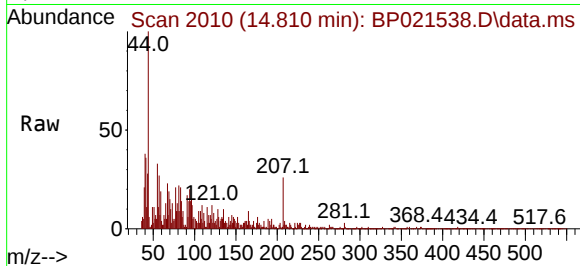




#57
2,4-Dinitrotoluene
Concen: 5.036 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BP021538.D
Acq: 16 Aug 2024 13:48

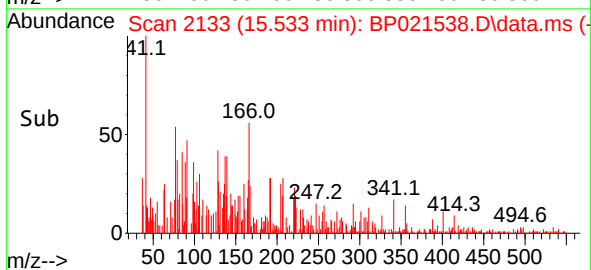
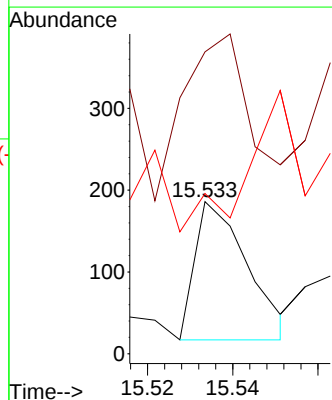
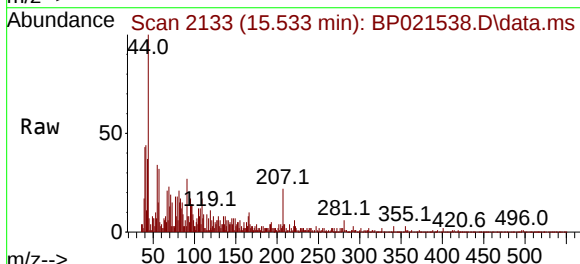
Instrument :
BNA_P
ClientSampleId :
OU4-CF-06-080624RE

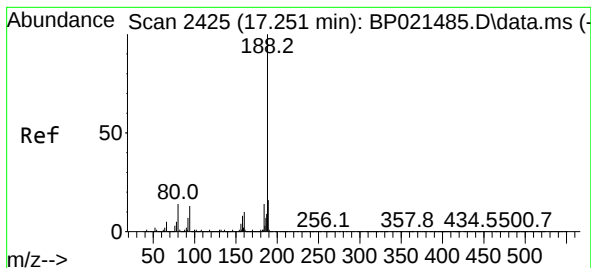
Tgt Ion:165 Resp: 407
Ion Ratio Lower Upper
165 100
63 77.7 42.5 63.7#
89 20.2 77.1 115.7#
182 12.6 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.941 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.005 min
Lab File: BP021538.D
Acq: 16 Aug 2024 13:48

Tgt Ion:138 Resp: 145
Ion Ratio Lower Upper
138 100
92 198.4 46.4 86.4#
108 105.4 73.2 113.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.263 min Scan# 2425

Delta R.T. 0.012 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

Instrument :

BNA_P

ClientSampleId :

OU4-CF-06-080624RE

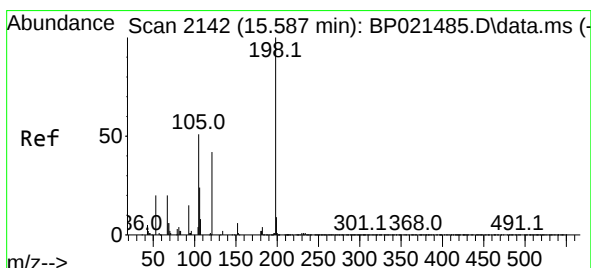
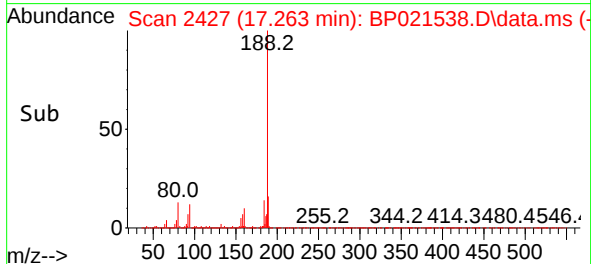
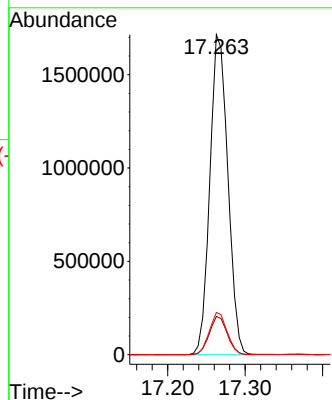
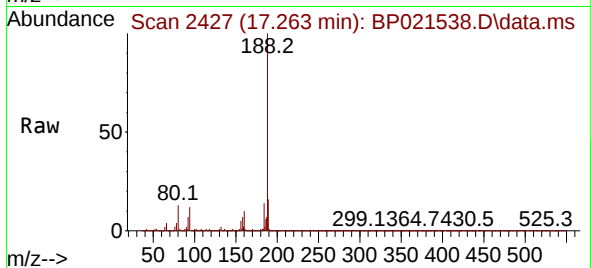
Tgt Ion:188 Resp: 2764800

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: 4.624 ng

RT: 15.581 min Scan# 2141

Delta R.T. -0.006 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

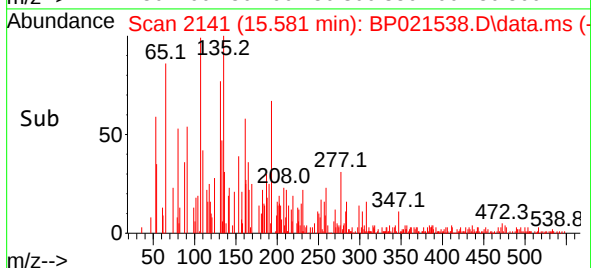
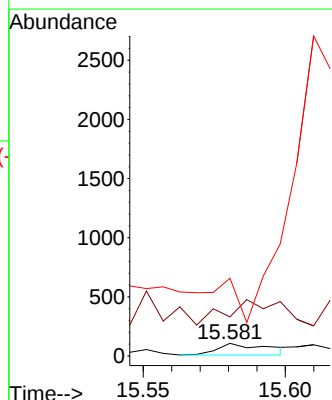
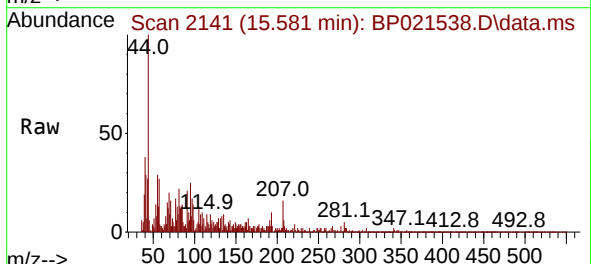
Tgt Ion:198 Resp: 118

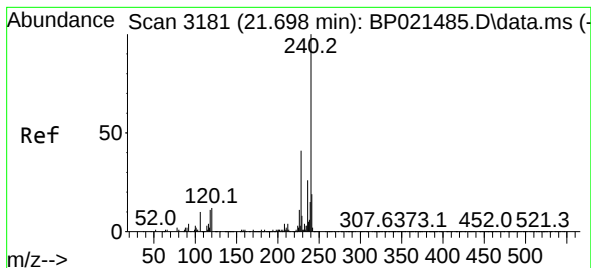
Ion Ratio Lower Upper

198 100

51 308.4 21.5 61.5#

105 615.0 32.9 72.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.721 min Scan# 3185

Delta R.T. 0.023 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

Instrument :

BNA_P

ClientSampleId :

OU4-CF-06-080624RE

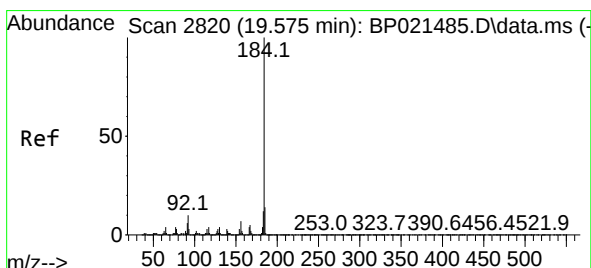
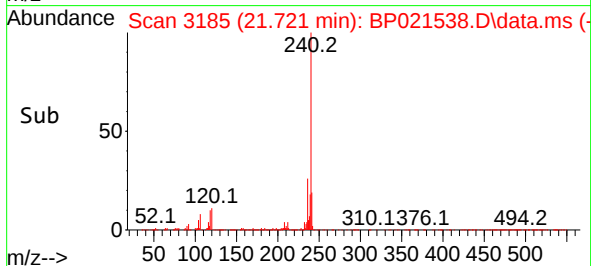
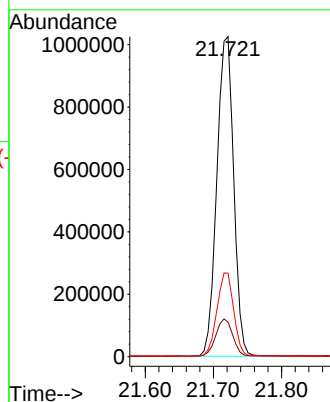
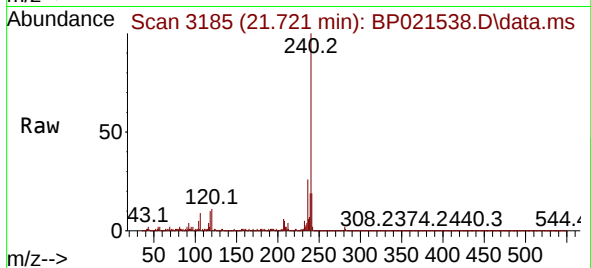
Tgt Ion:240 Resp: 1762835

Ion Ratio Lower Upper

240 100

120 10.8 9.9 14.9

236 26.1 20.6 30.8



#77

Benzidine

Concen: 4.577 ng

RT: 19.592 min Scan# 2823

Delta R.T. 0.017 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

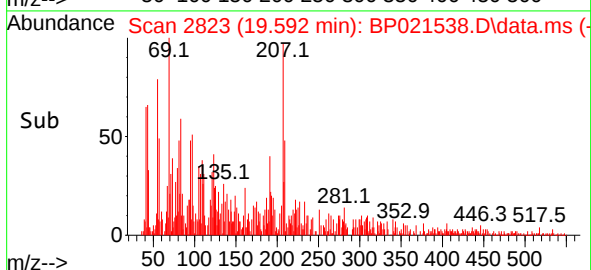
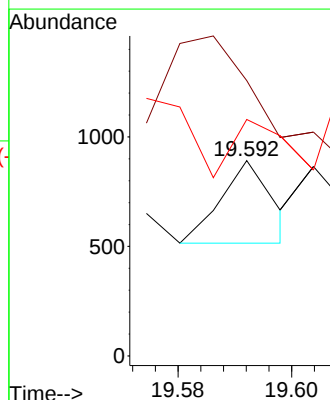
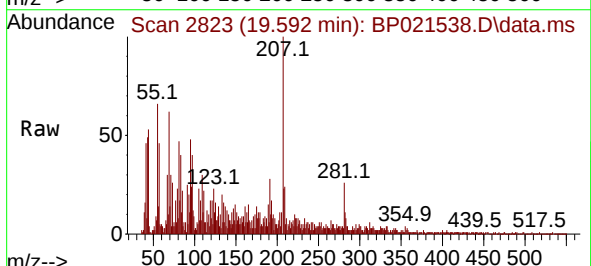
Tgt Ion:184 Resp: 239

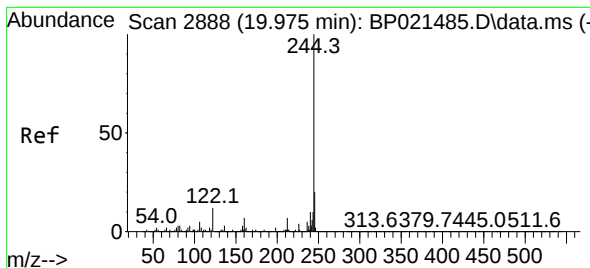
Ion Ratio Lower Upper

184 100

185 140.9 11.4 17.0#

183 121.1 9.3 13.9#





#79

Terphenyl-d14

Concen: 44.603 ng

RT: 19.986 min Scan# 21

Delta R.T. 0.011 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

Instrument :

BNA_P

ClientSampleId :

OU4-CF-06-080624RE

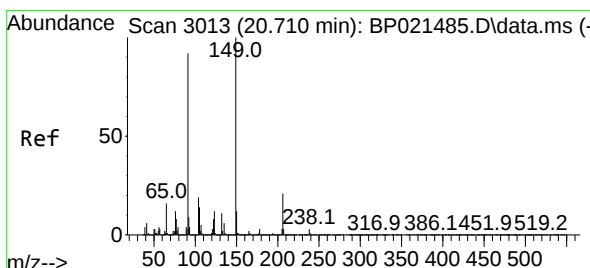
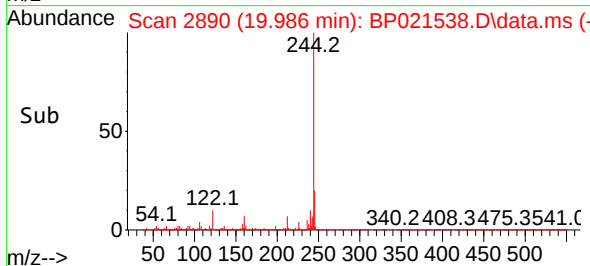
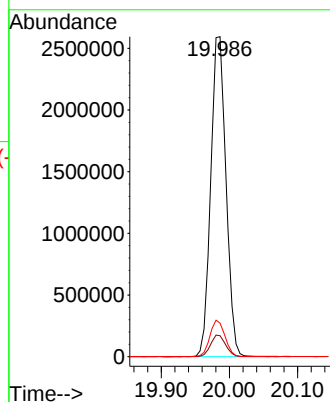
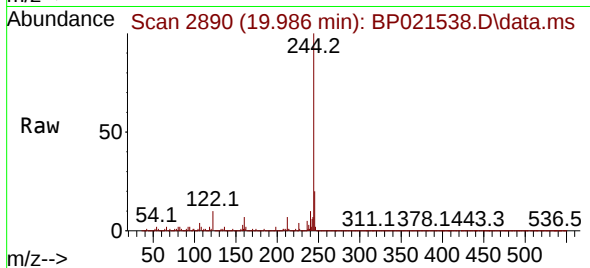
Tgt Ion:244 Resp: 4047250

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.5 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.674 ng

RT: 20.727 min Scan# 3016

Delta R.T. 0.017 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

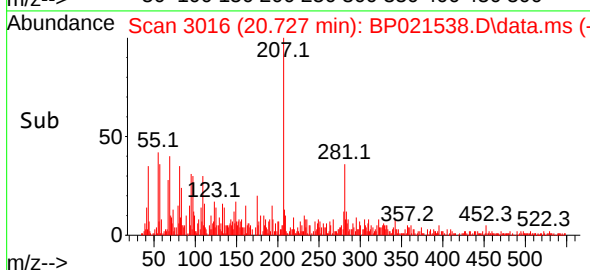
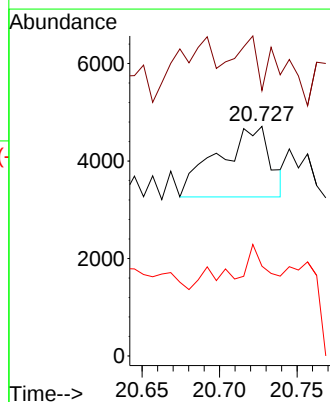
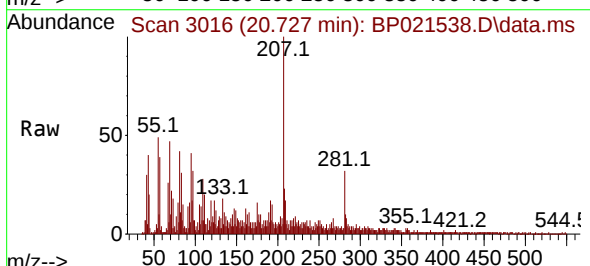
Tgt Ion:149 Resp: 3372

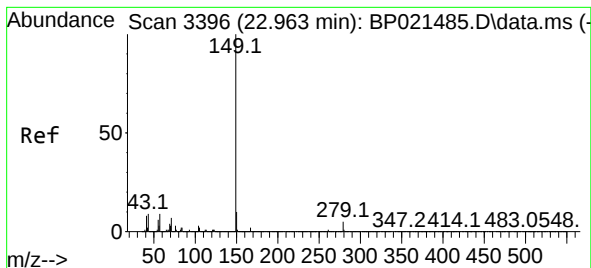
Ion Ratio Lower Upper

149 100

91 115.6 73.3 109.9#

206 39.1 17.1 25.7#





#85

Di-n-octyl phthalate

Concen: 4.843 ng

RT: 23.004 min Scan# 34

Delta R.T. 0.041 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

Instrument :

BNA_P

ClientSampleId :

OU4-CF-06-080624RE

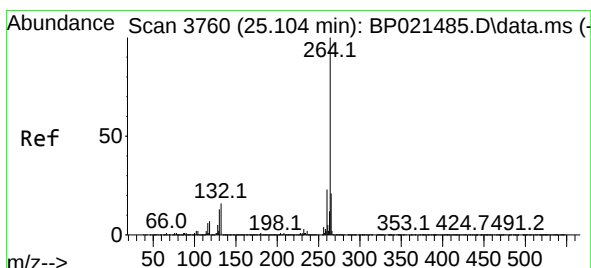
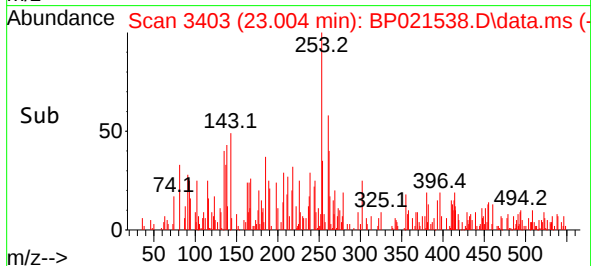
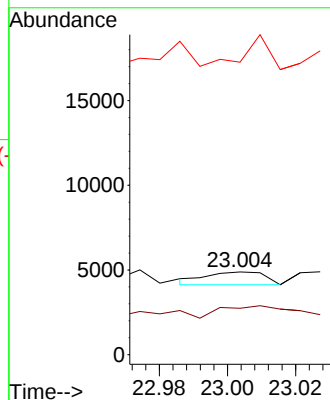
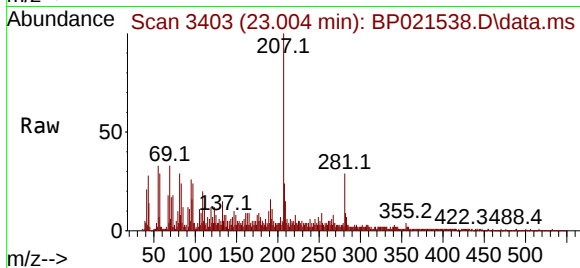
Tgt Ion:149 Resp: 895

Ion Ratio Lower Upper

149 100

167 124.7 1.3 1.9#

43 52.1 7.3 10.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.139 min Scan# 3766

Delta R.T. 0.035 min

Lab File: BP021538.D

Acq: 16 Aug 2024 13:48

Tgt Ion:264 Resp: 2133139

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.2 17.1 25.7

