

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
 Data File : BP021559.D
 Acq On : 19 Aug 2024 18:54
 Operator : RC/JU
 Sample : P3518-23
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Aug 20 00:08:12 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)

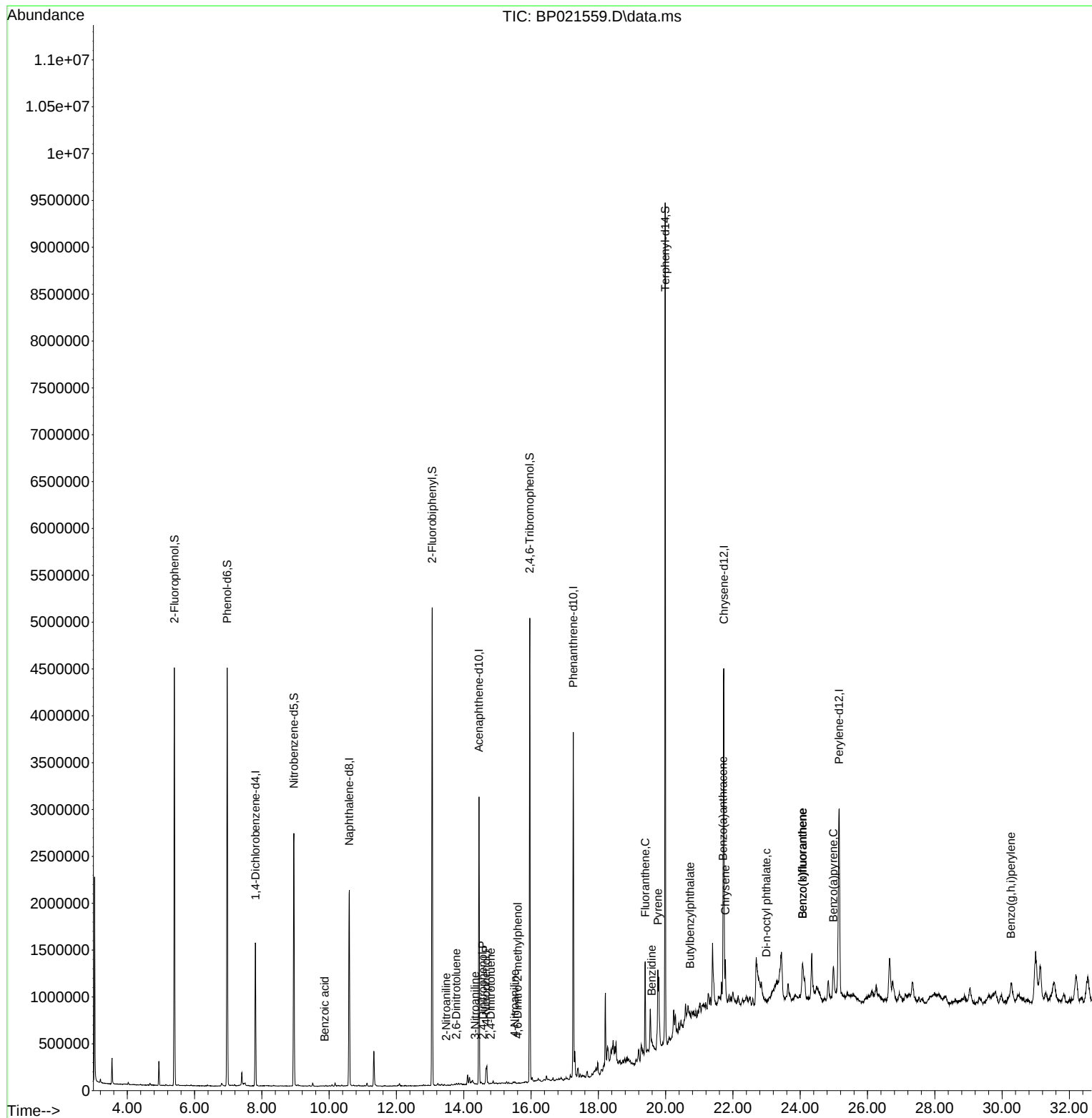
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	417595	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1738767	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	1099897	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2236339	20.000	ng	0.00
76) Chrysene-d12	21.727	240	1958241	20.000	ng	0.03
86) Perylene-d12	25.157	264	2293581	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2021680	71.886	ng	0.00
7) Phenol-d6	6.969	99	2927722	71.363	ng	0.00
23) Nitrobenzene-d5	8.952	82	1736734	51.555	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1001401	81.804	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2729067	37.867	ng	0.00
79) Terphenyl-d14	19.986	244	4044284	40.122	ng	0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.705	139	65	Below Cal	#	1
32) Benzoic acid	9.869	122	139	3.334	ng	# 1
48) 2-Nitroaniline	13.475	65	258	5.161	ng	# 54
51) 2,6-Dinitrotoluene	13.775	165	95	3.991	ng	# 95
53) 3-Nitroaniline	14.340	138	295	3.988	ng	# 33
54) 2,4-Dinitrophenol	14.563	184	181	2.497	ng	# 16
56) 4-Nitrophenol	14.657	139	217	5.095	ng	# 1
57) 2,4-Dinitrotoluene	14.804	165	109	5.028	ng	# 57
62) 4-Nitroaniline	15.510	138	281	2.952	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.604	198	121	4.629	ng	# 1
75) Fluoranthene	19.392	202	590991	4.478	ng	# 100
77) Benzidine	19.586	184	6468	4.680	ng	# 15
78) Pyrene	19.769	202	529003	4.133	ng	# 99
80) Butylbenzylphthalate	20.727	149	3962	3.678	ng	# 36
81) Benzo(a)anthracene	21.704	228	302674	2.462	ng	# 96
83) Chrysene	21.774	228	319848	2.756	ng	# 96
85) Di-n-octyl phthalate	22.992	149	5234	4.873	ng	# 8
88) Benzo(b)fluoranthene	24.068	252	456883	3.468	ng	# 94
89) Benzo(k)fluoranthene	24.068	252	456883	3.556	ng	# 93
90) Benzo(a)pyrene	24.986	252	319779	2.797	ng	# 92
92) Benzo(g,h,i)perylene	30.262	276	250825	2.026	ng	# 94

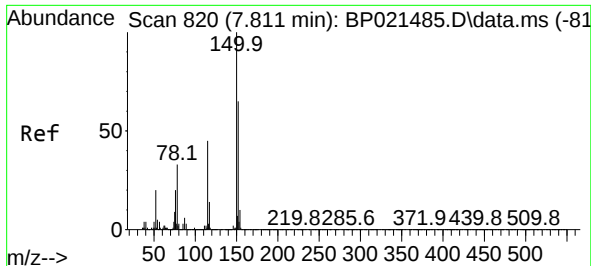
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-TS-12-080724

Quant Time: Aug 20 00:08:12 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
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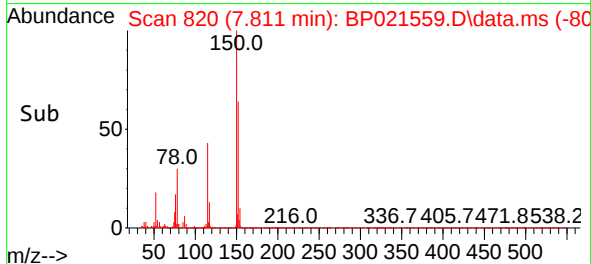
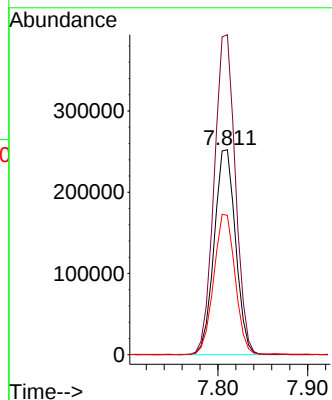
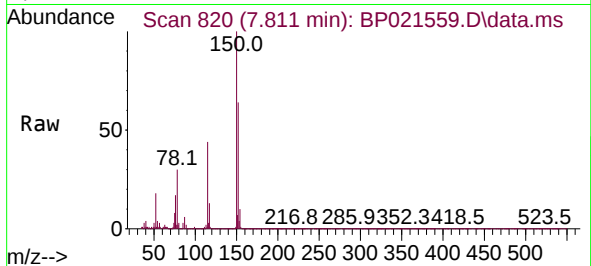




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

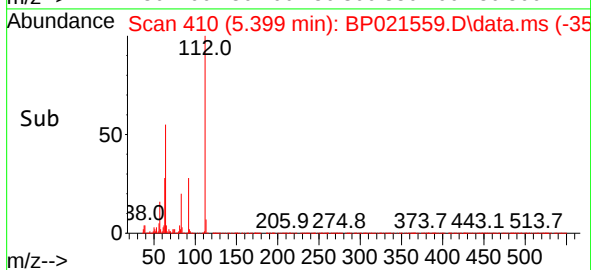
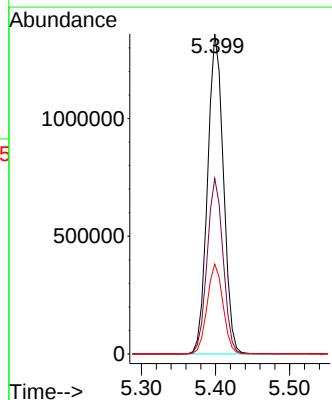
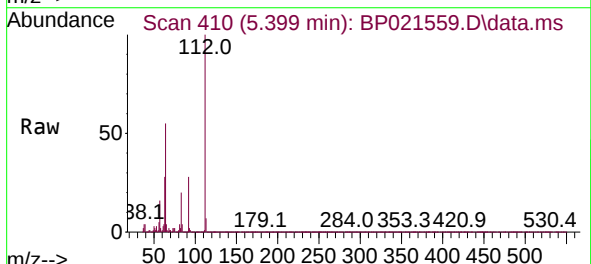
Instrument :
BNA_P
ClientSampleId :
OU4-TS-12-080724

Tgt Ion:152 Resp: 417595
Ion Ratio Lower Upper
152 100
150 156.2 122.4 183.6
115 68.0 54.7 82.1



#5
2-Fluorophenol
Concen: 71.886 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

Tgt Ion:112 Resp: 2021680
Ion Ratio Lower Upper
112 100
64 54.9 49.0 73.6
63 28.1 24.6 36.8



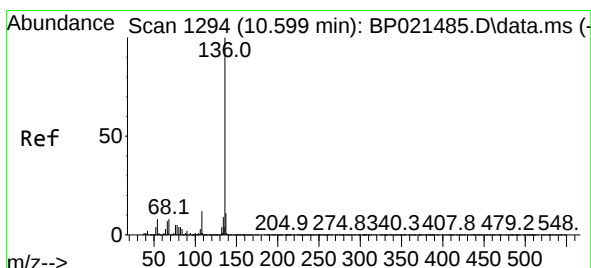
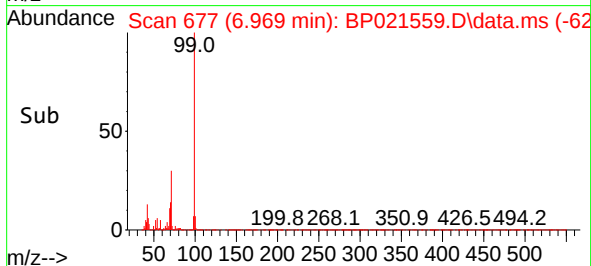
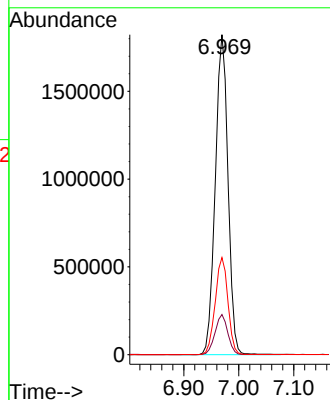
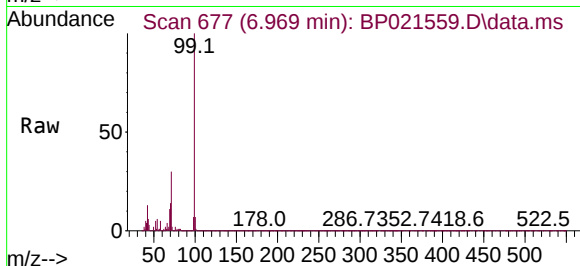


#7
Phenol-d6
Concen: 71.363 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

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

Tgt Ion: 99 Resp: 2927722

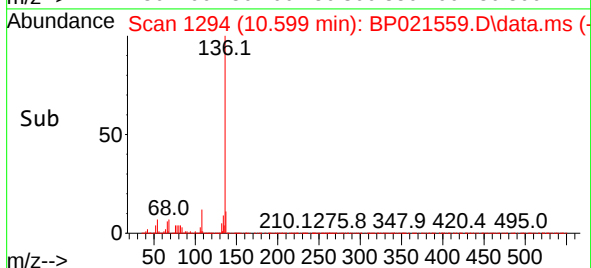
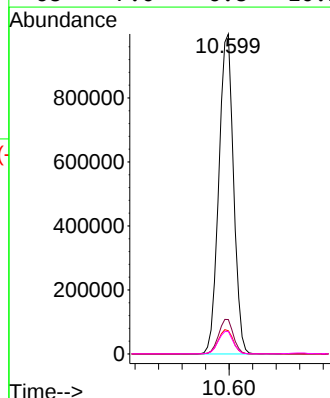
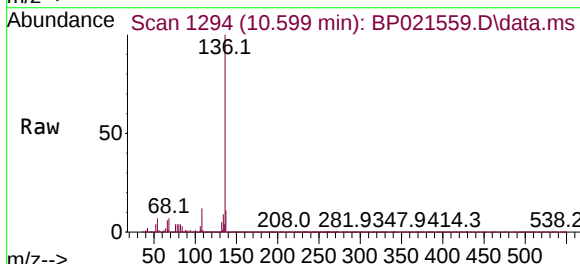
Ion	Ratio	Lower	Upper
99	100		
42	12.6	10.2	15.4
71	30.4	25.8	38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

Tgt Ion:136 Resp: 1738767

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.3	6.3	9.5
68	7.0	6.8	10.2





#23

Nitrobenzene-d5

Concen: 51.555 ng

RT: 8.952 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724

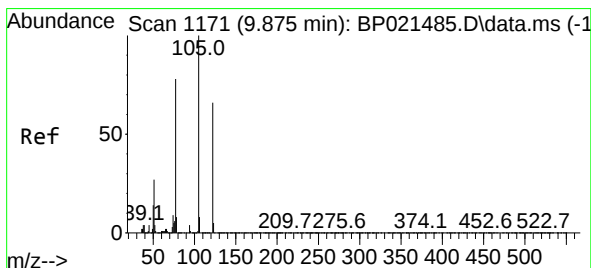
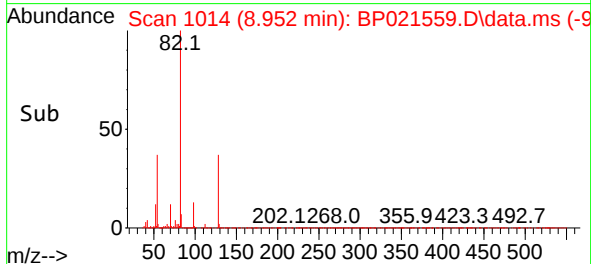
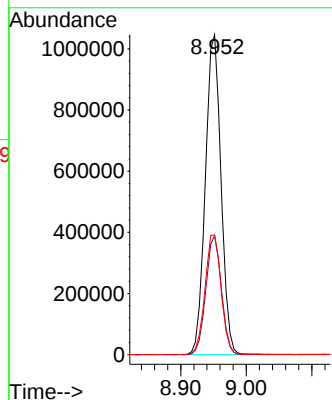
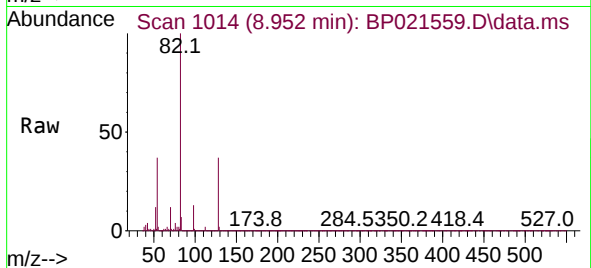
Tgt Ion: 82 Resp: 1736734

Ion Ratio Lower Upper

82 100

128 37.2 26.5 39.7

54 37.4 30.3 45.5



#32

Benzoic acid

Concen: 3.334 ng

RT: 9.869 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

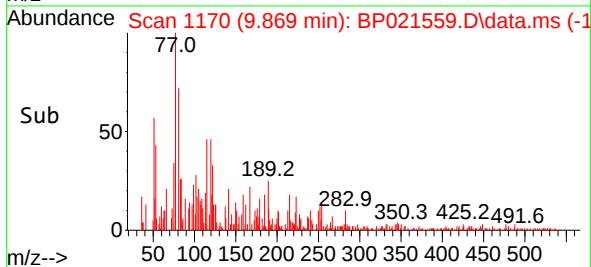
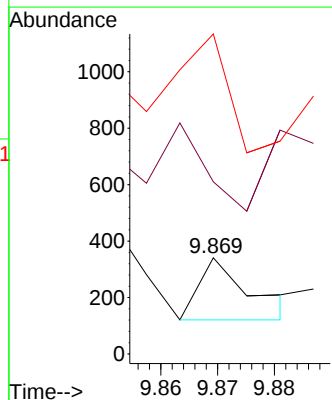
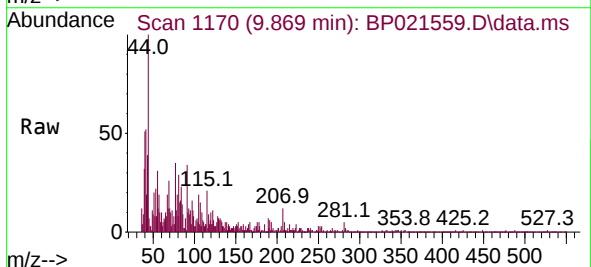
Tgt Ion: 122 Resp: 139

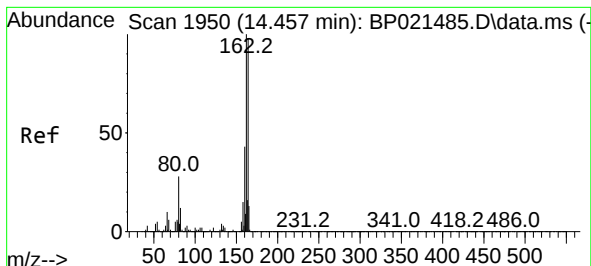
Ion Ratio Lower Upper

122 100

105 178.9 124.6 164.6#

77 332.6 96.2 136.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724

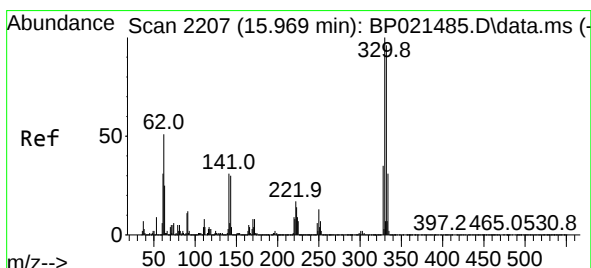
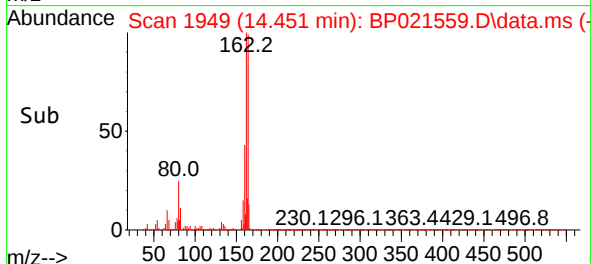
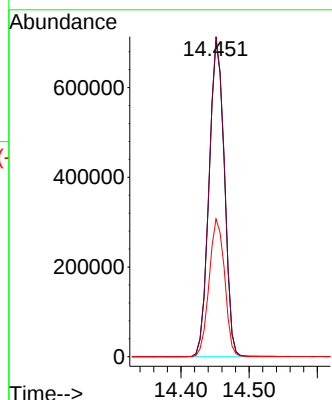
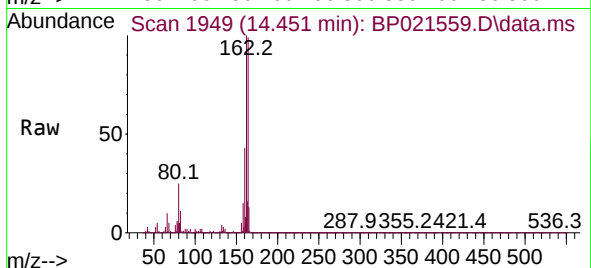
Tgt Ion:164 Resp: 1099897

Ion Ratio Lower Upper

164 100

162 101.2 81.5 122.3

160 43.6 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 81.804 ng

RT: 15.963 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

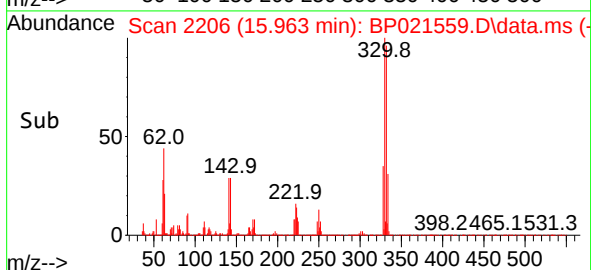
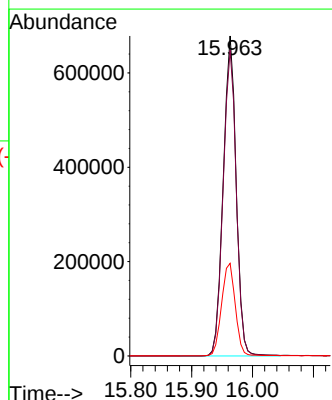
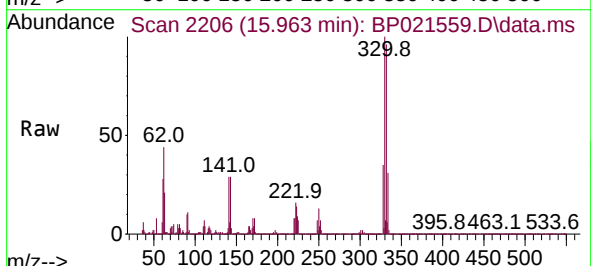
Tgt Ion:330 Resp: 1001401

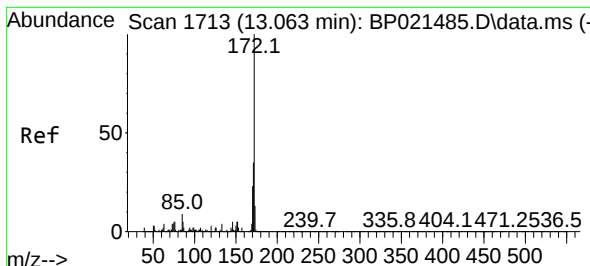
Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

141 30.7 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 37.867 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724

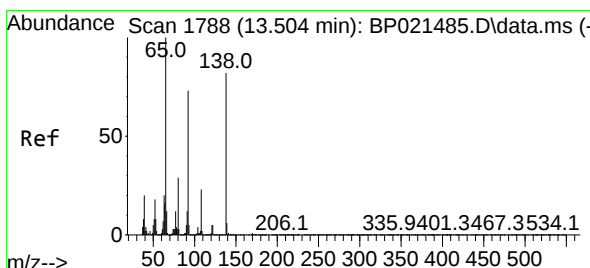
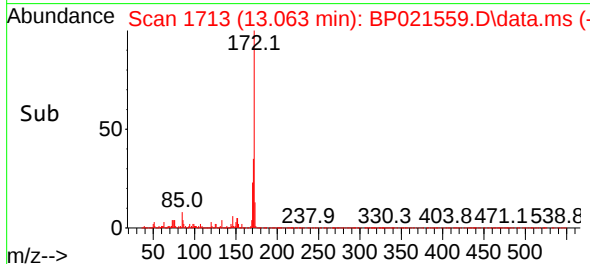
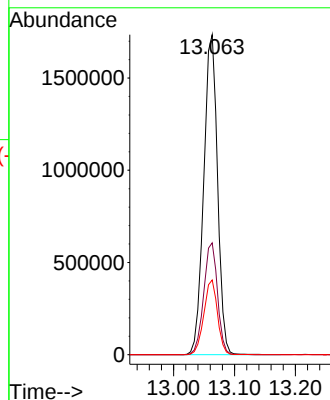
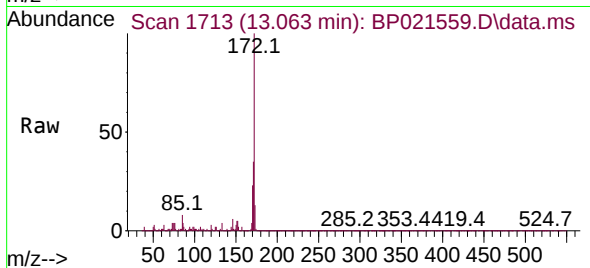
Tgt Ion:172 Resp: 2729067

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.4 18.4 27.6



#48

2-Nitroaniline

Concen: 5.161 ng

RT: 13.475 min Scan# 1783

Delta R.T. -0.029 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

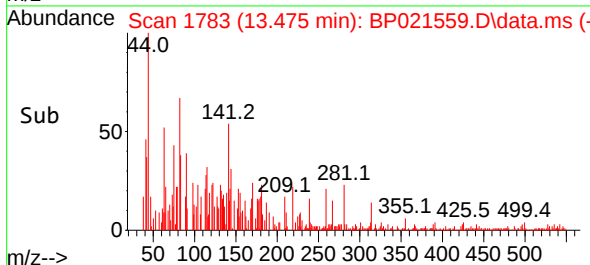
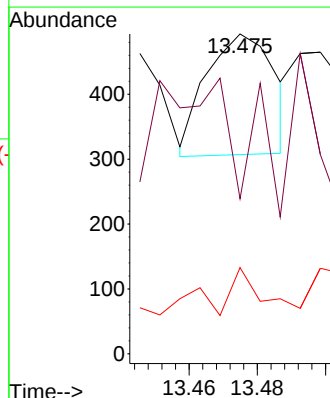
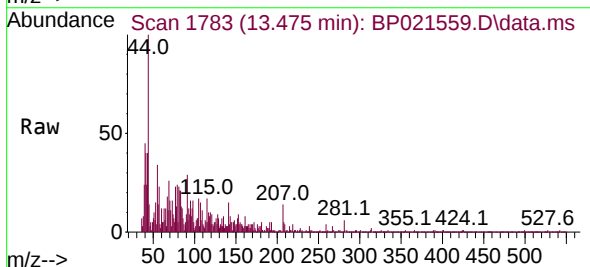
Tgt Ion: 65 Resp: 258

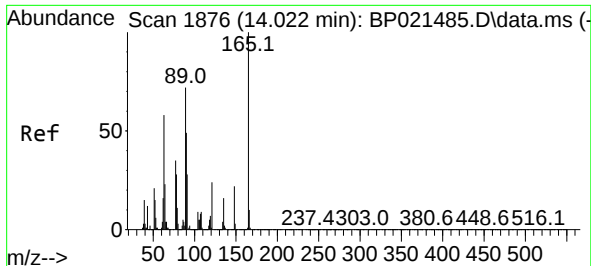
Ion Ratio Lower Upper

65 100

92 48.5 58.1 87.1#

138 27.0 65.5 98.3#

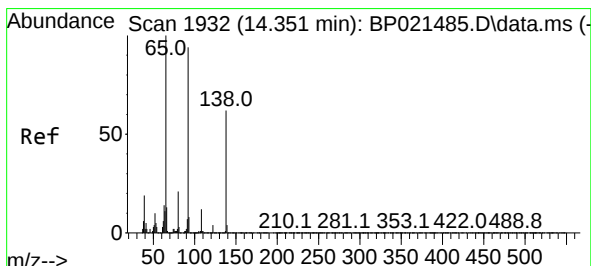
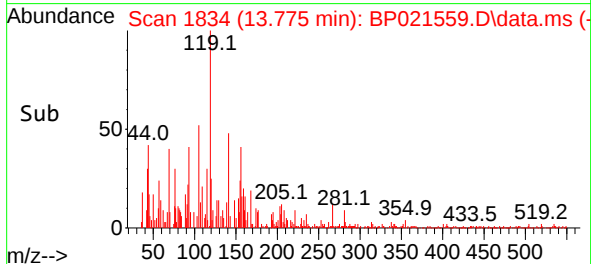
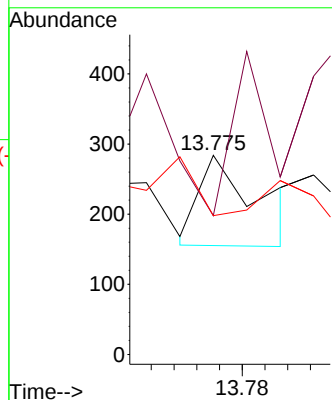
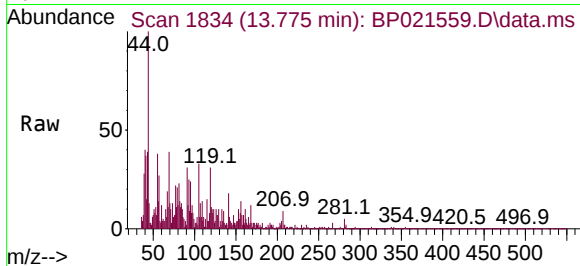




#51
2,6-Dinitrotoluene
Concen: 3.991 ng
RT: 13.775 min Scan# 1876
Delta R.T. -0.247 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

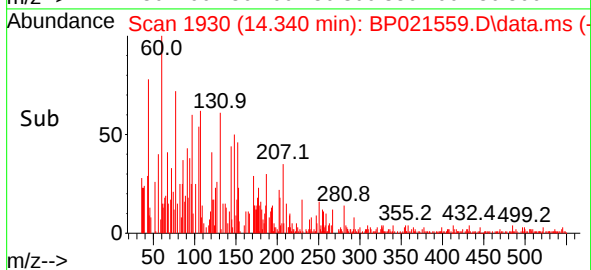
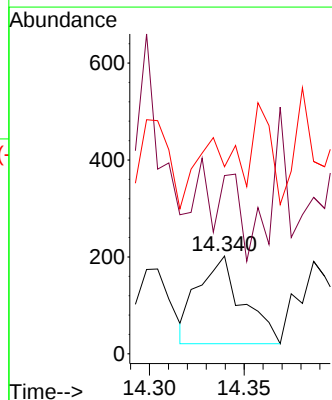
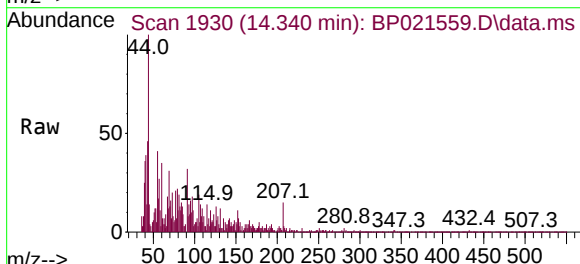
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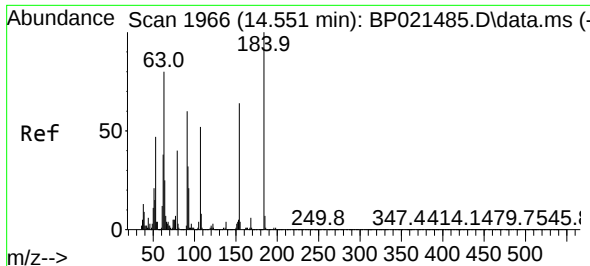
Tgt Ion:165 Resp: 95
Ion Ratio Lower Upper
165 100
63 69.7 51.5 77.3
89 69.7 57.8 86.8



#53
3-Nitroaniline
Concen: 3.988 ng
RT: 14.340 min Scan# 1930
Delta R.T. -0.011 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

Tgt Ion:138 Resp: 295
Ion Ratio Lower Upper
138 100
108 182.2 16.2 24.4#
92 191.1 122.2 183.4#

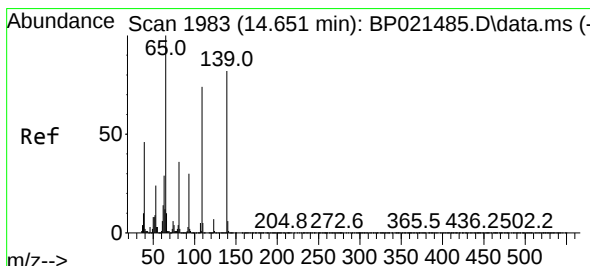
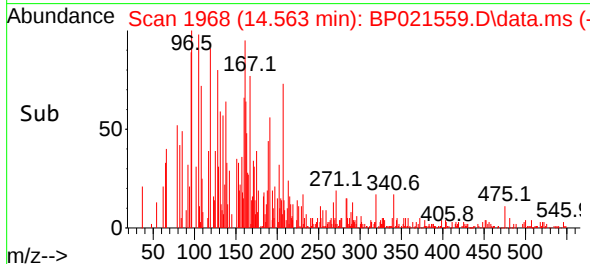
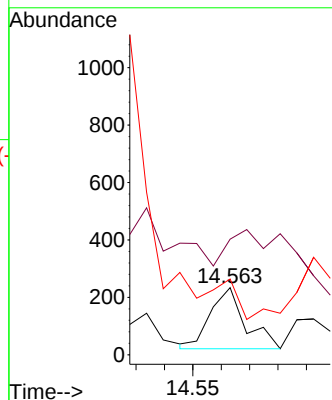
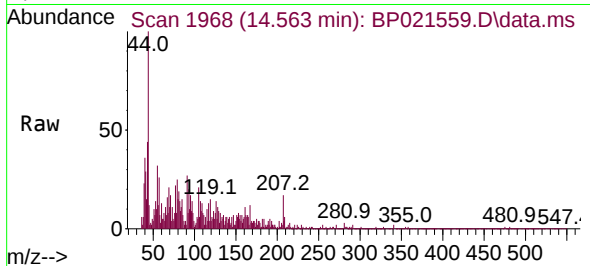




#54
2,4-Dinitrophenol
Concen: 2.497 ng
RT: 14.563 min Scan# 1966
Delta R.T. 0.012 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

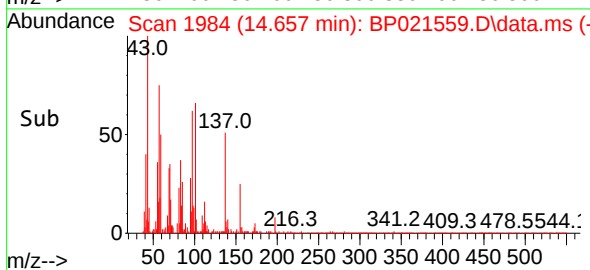
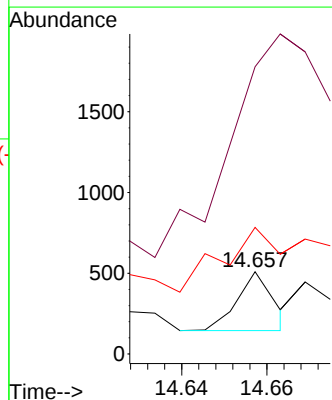
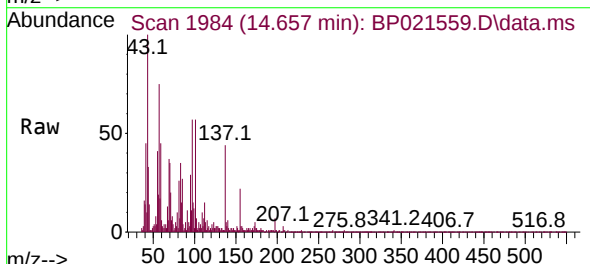
Instrument :
BNA_P
ClientSampleId :
OU4-TS-12-080724

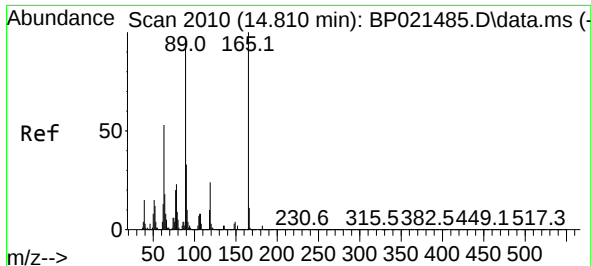
Tgt Ion:184 Resp: 181
Ion Ratio Lower Upper
184 100
63 172.2 64.9 97.3#
154 112.8 52.1 78.1#



#56
4-Nitrophenol
Concen: 5.095 ng
RT: 14.657 min Scan# 1984
Delta R.T. 0.006 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

Tgt Ion:139 Resp: 217
Ion Ratio Lower Upper
139 100
109 349.3 70.2 110.2#
65 154.0 101.8 141.8#

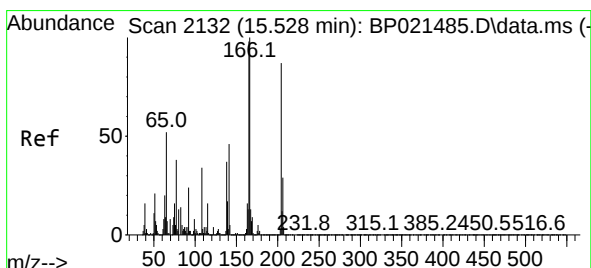
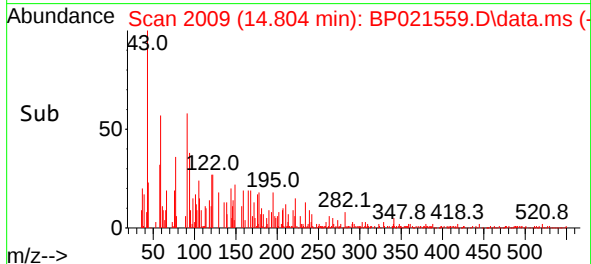
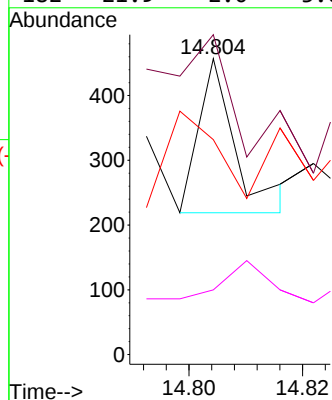
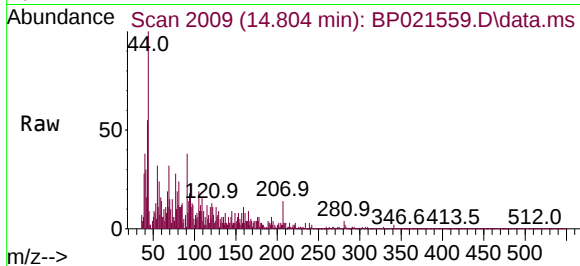




#57
2,4-Dinitrotoluene
Concen: 5.028 ng
RT: 14.804 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

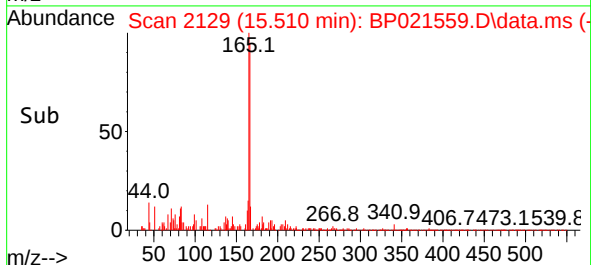
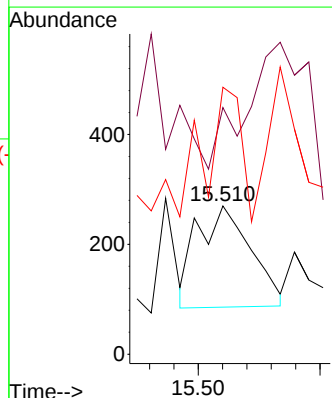
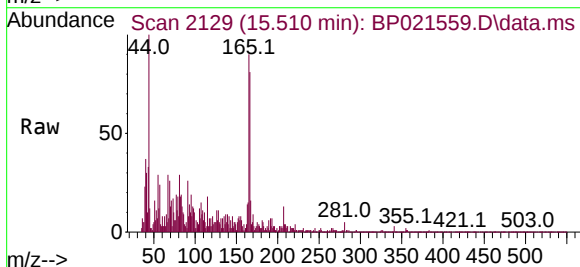
Instrument :
BNA_P
ClientSampleId :
OU4-TS-12-080724

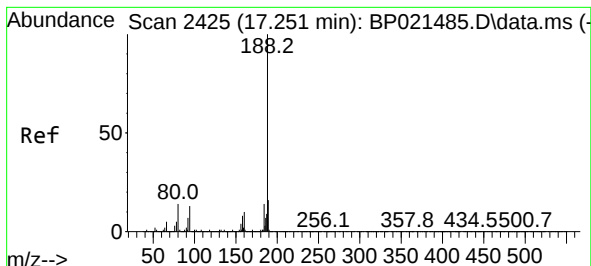
Tgt Ion:165 Resp: 109
Ion Ratio Lower Upper
165 100
63 108.1 42.5 63.7#
89 72.6 77.1 115.7#
182 21.9 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.952 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.018 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

Tgt Ion:138 Resp: 281
Ion Ratio Lower Upper
138 100
92 166.3 46.4 86.4#
108 180.0 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: BP021559.D

Acq: 19 Aug 2024 18:54

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724

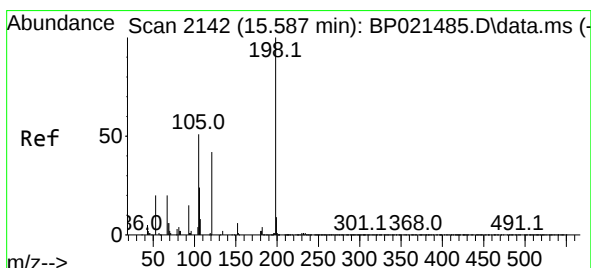
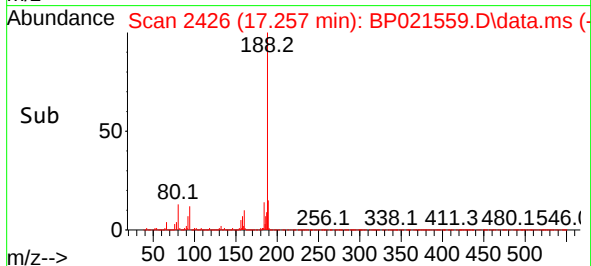
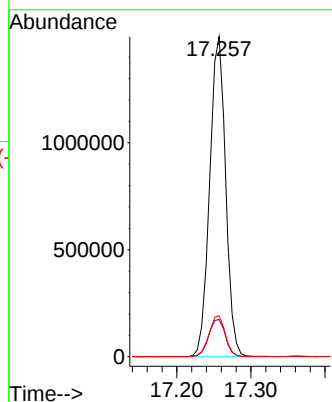
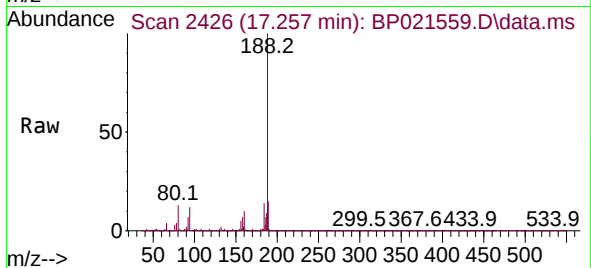
Tgt Ion:188 Resp: 2236339

Ion Ratio Lower Upper

188 100

94 11.6 10.2 15.4

80 12.8 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.629 ng

RT: 15.604 min Scan# 2145

Delta R.T. 0.017 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

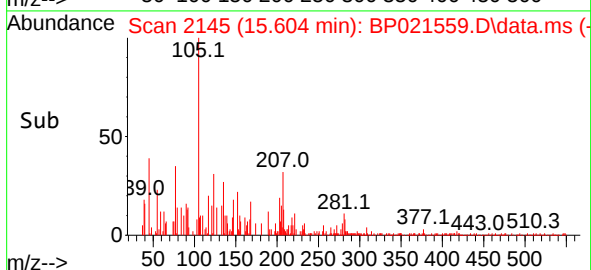
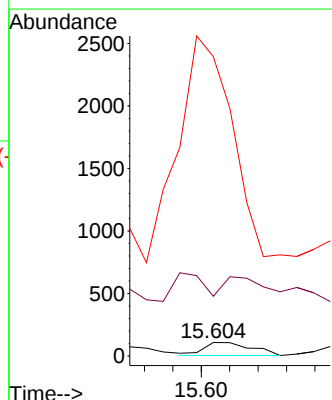
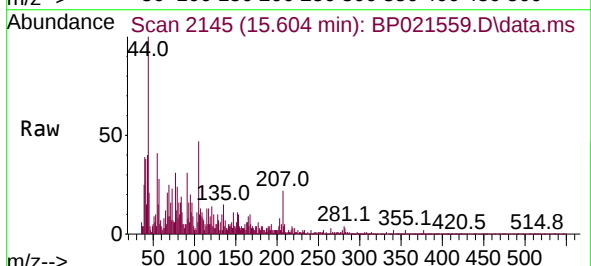
Tgt Ion:198 Resp: 121

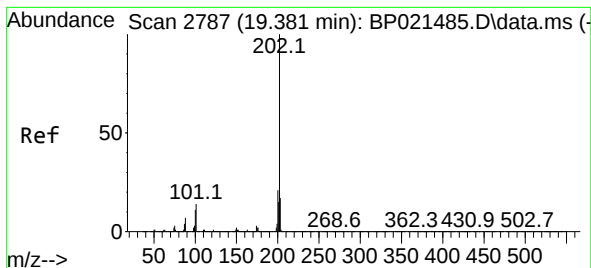
Ion Ratio Lower Upper

198 100

51 445.8 21.5 61.5#

105 2238.3 32.9 72.9#

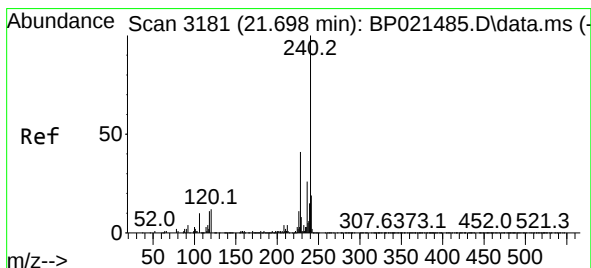
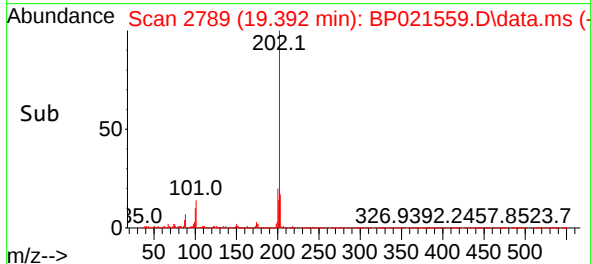
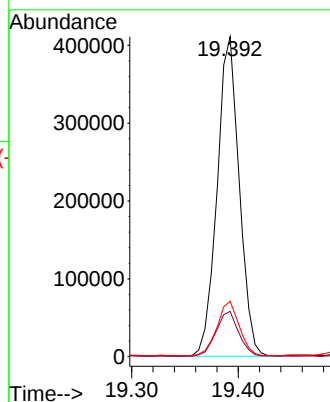
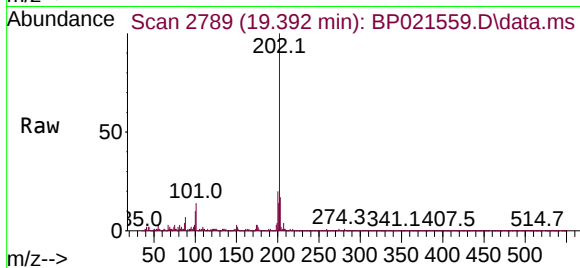




#75
Fluoranthene
Concen: 4.478 ng
RT: 19.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

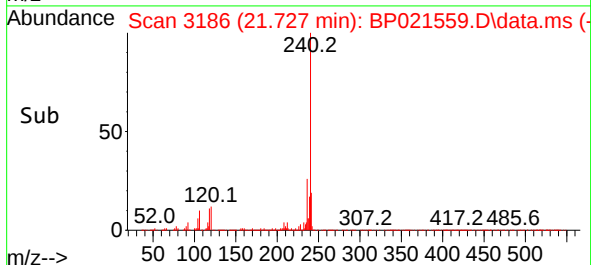
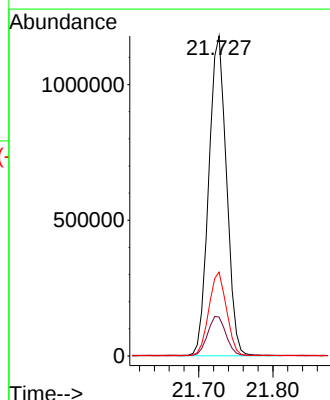
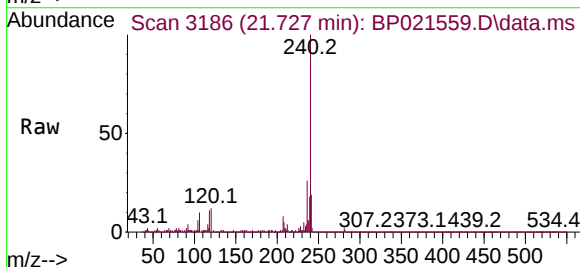
Instrument :
BNA_P
ClientSampleId :
OU4-TS-12-080724

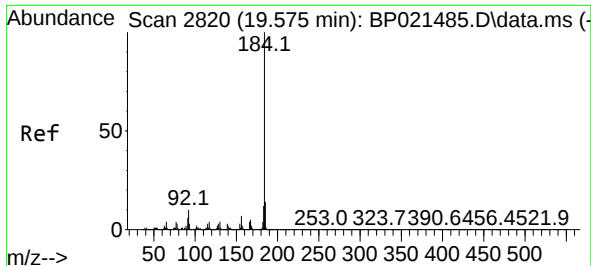
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.0
203	17.3	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.727 min Scan# 3186
Delta R.T. 0.029 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.9	14.9
236	26.2	20.6	30.8

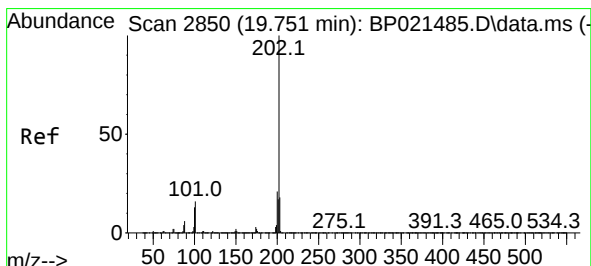
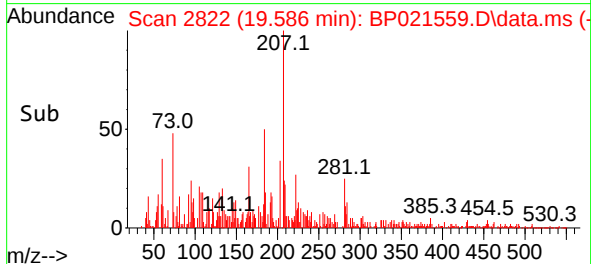
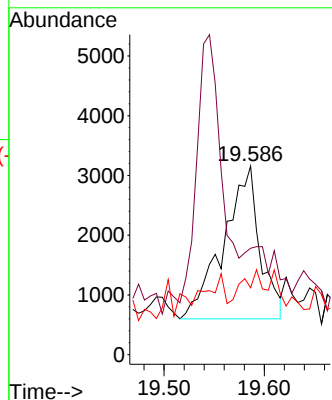
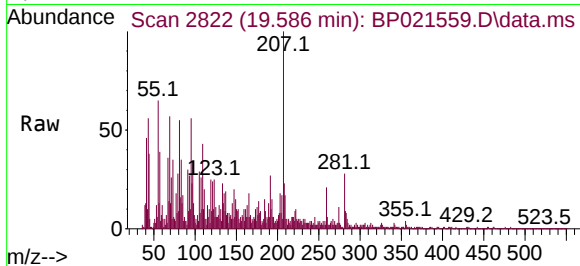




#77
Benzidine
Concen: 4.680 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.011 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

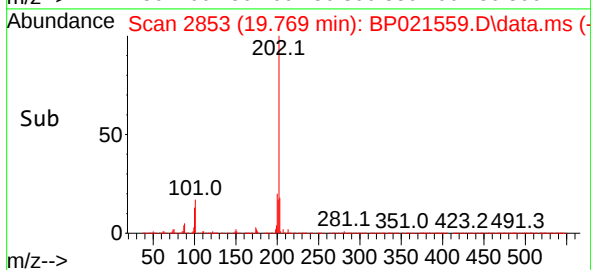
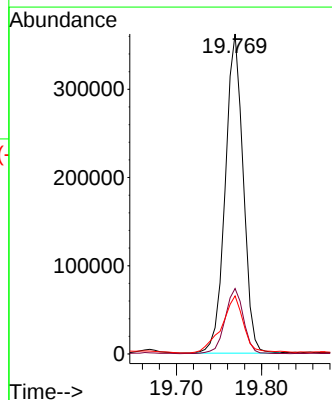
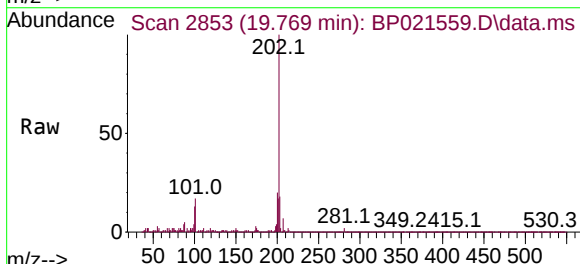
Instrument :
BNA_P
ClientSampleId :
OU4-TS-12-080724

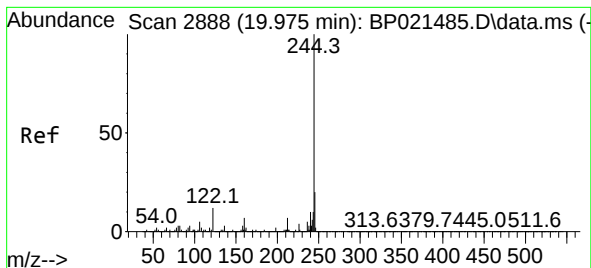
Tgt Ion:184 Resp: 6468
Ion Ratio Lower Upper
184 100
185 56.4 11.4 17.0#
183 35.4 9.3 13.9#



#78
Pyrene
Concen: 4.133 ng
RT: 19.769 min Scan# 2853
Delta R.T. 0.018 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

Tgt Ion:202 Resp: 529003
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 40.122 ng

RT: 19.986 min Scan# 21

Delta R.T. 0.011 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724

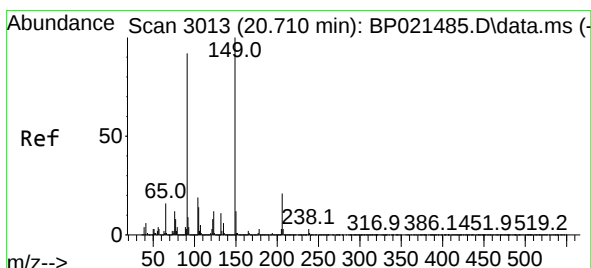
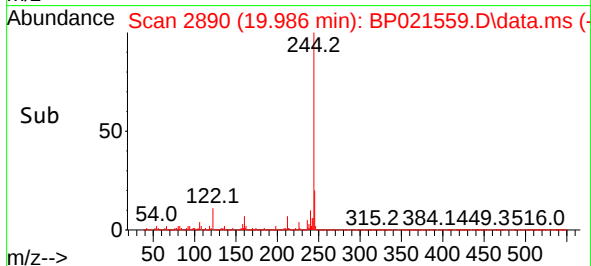
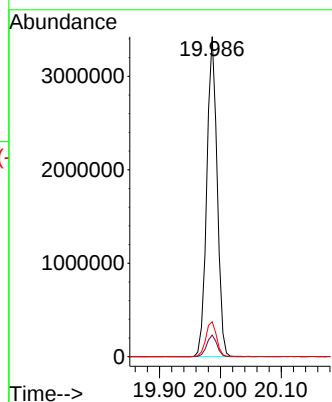
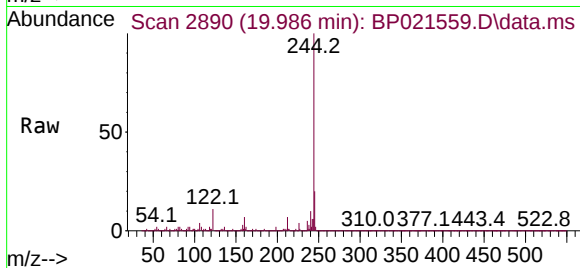
Tgt Ion:244 Resp: 4044284

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.9 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.678 ng

RT: 20.727 min Scan# 3016

Delta R.T. 0.017 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

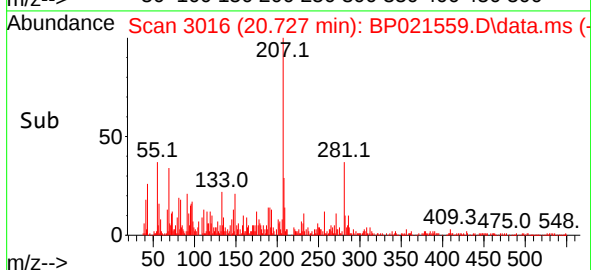
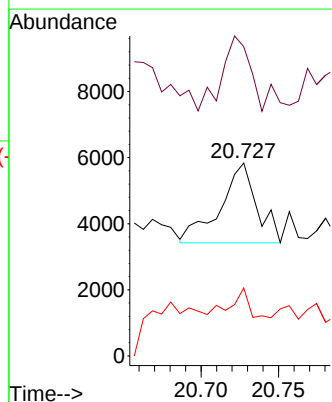
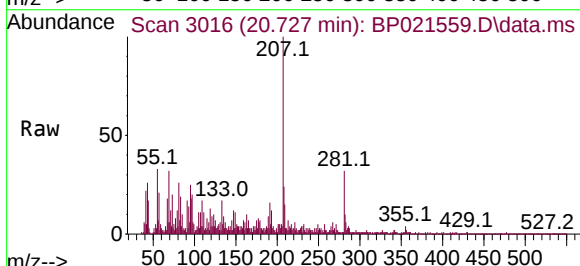
Tgt Ion:149 Resp: 3962

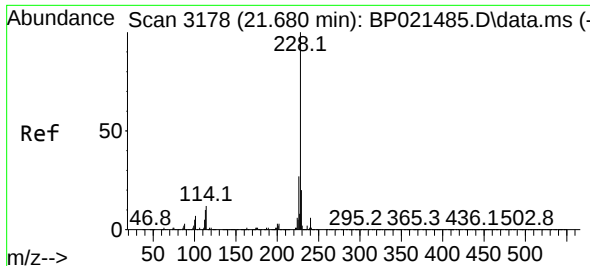
Ion Ratio Lower Upper

149 100

91 160.4 73.3 109.9#

206 35.3 17.1 25.7#

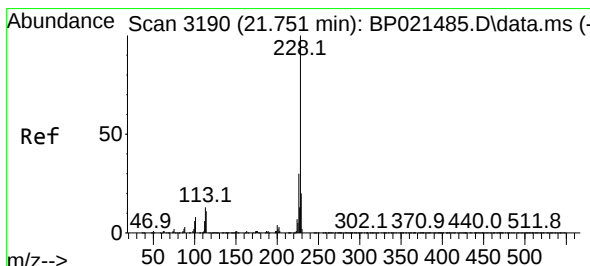
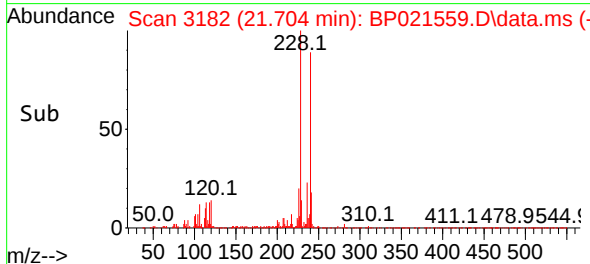
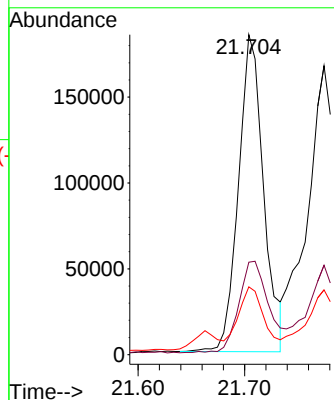
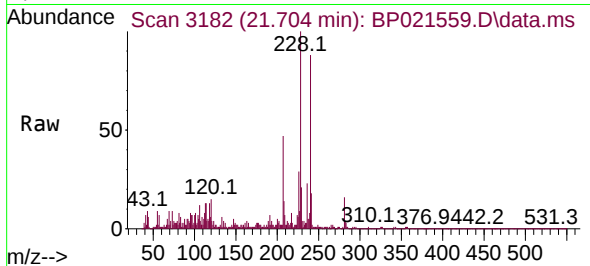




#81
Benzo(a)anthracene
Concen: 2.462 ng
RT: 21.704 min Scan# 3178
Delta R.T. 0.024 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

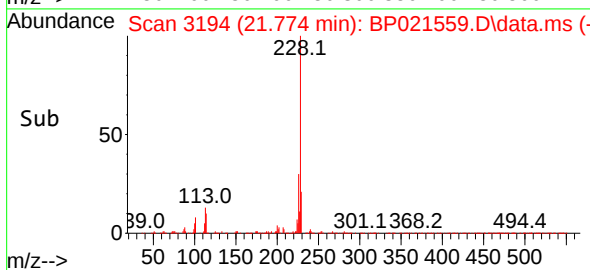
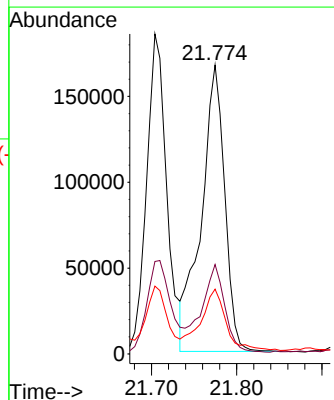
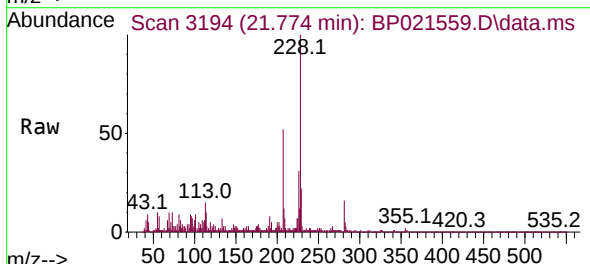
Instrument :
BNA_P
ClientSampleId :
OU4-TS-12-080724

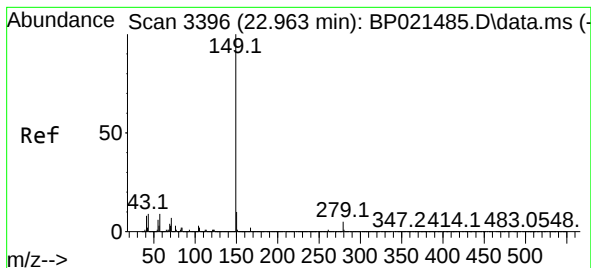
Tgt Ion:228 Resp: 302674
Ion Ratio Lower Upper
228 100
226 28.9 21.4 32.2
229 21.2 15.8 23.6



#83
Chrysene
Concen: 2.756 ng
RT: 21.774 min Scan# 3194
Delta R.T. 0.023 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

Tgt Ion:228 Resp: 319848
Ion Ratio Lower Upper
228 100
226 31.0 23.9 35.9
229 22.4 15.8 23.6





#85

Di-n-octyl phthalate

Concen: 4.873 ng

RT: 22.992 min Scan# 34

Delta R.T. 0.029 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724

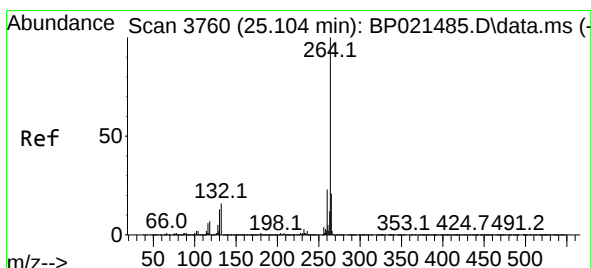
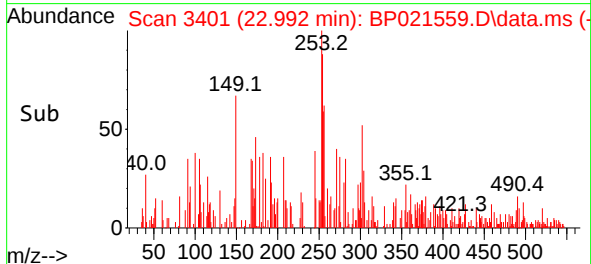
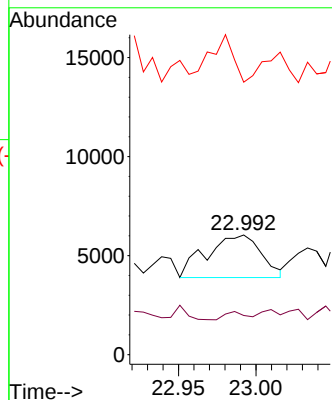
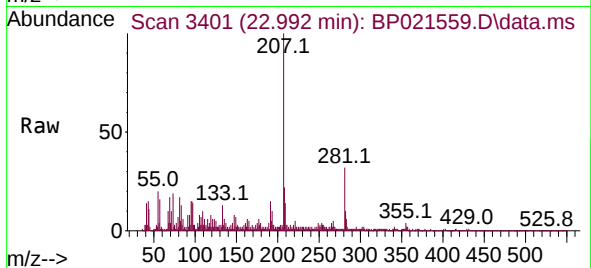
Tgt Ion:149 Resp: 5234

Ion Ratio Lower Upper

149 100

167 7.3 1.3 1.9#

43 47.2 7.3 10.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.157 min Scan# 3769

Delta R.T. 0.053 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

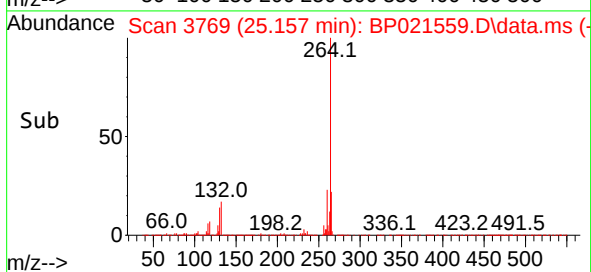
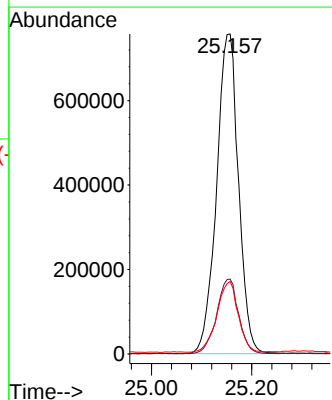
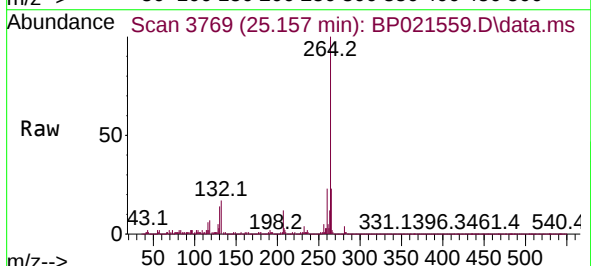
Tgt Ion:264 Resp: 2293581

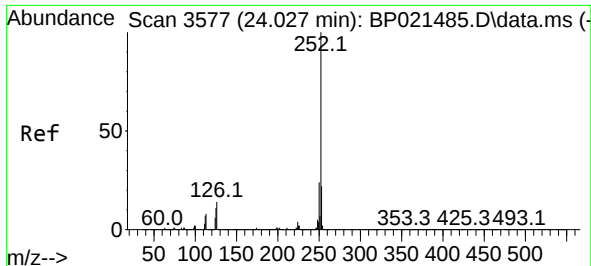
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 22.6 17.1 25.7

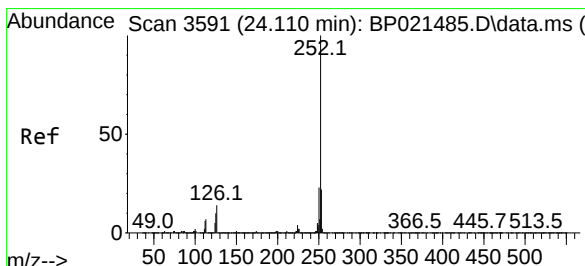
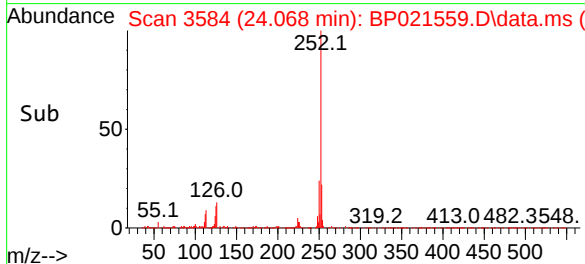
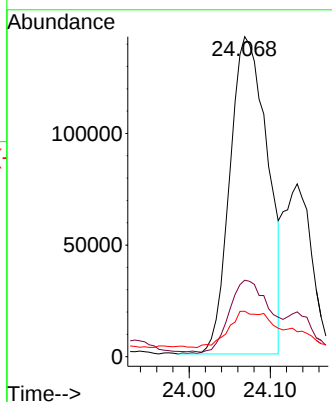
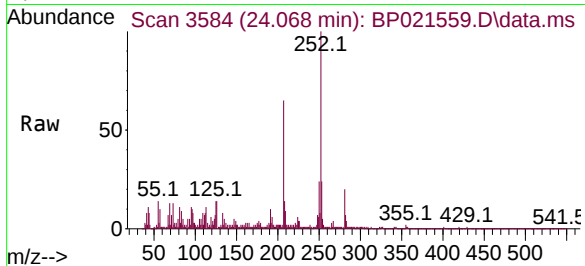




#88
Benzo(b)fluoranthene
Concen: 3.468 ng
RT: 24.068 min Scan# 3577
Delta R.T. 0.041 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

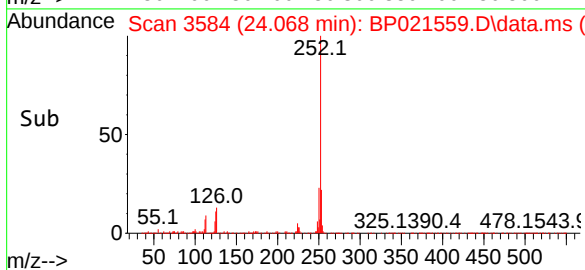
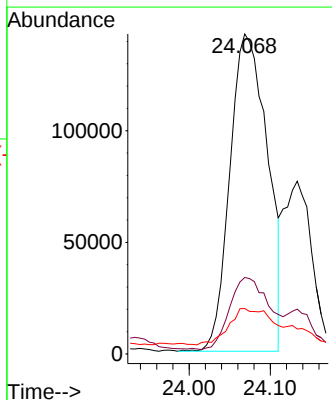
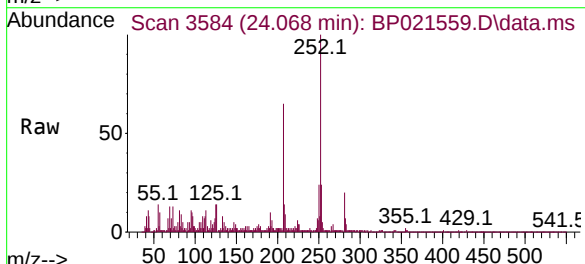
Instrument :
BNA_P
ClientSampleId :
OU4-TS-12-080724

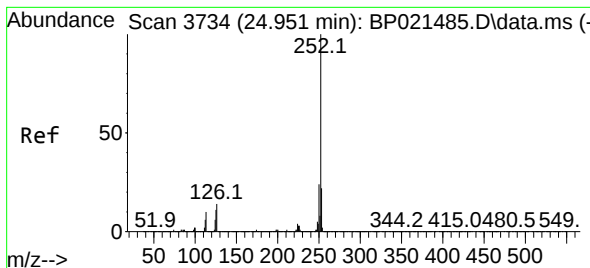
Tgt Ion:252 Resp: 456883
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 14.2 8.6 13.0#



#89
Benzo(k)fluoranthene
Concen: 3.556 ng
RT: 24.068 min Scan# 3584
Delta R.T. -0.041 min
Lab File: BP021559.D
Acq: 19 Aug 2024 18:54

Tgt Ion:252 Resp: 456883
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 14.2 7.8 11.8#





#90

Benzo(a)pyrene

Concen: 2.797 ng

RT: 24.986 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

Instrument :

BNA_P

ClientSampleId :

OU4-TS-12-080724

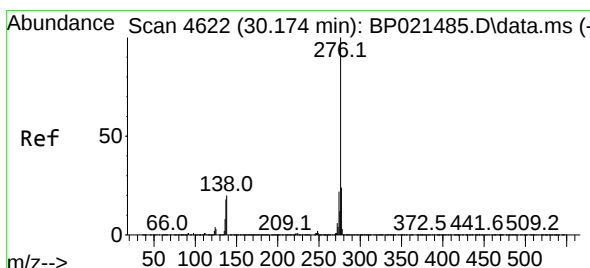
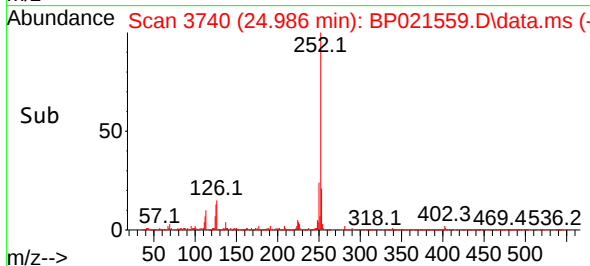
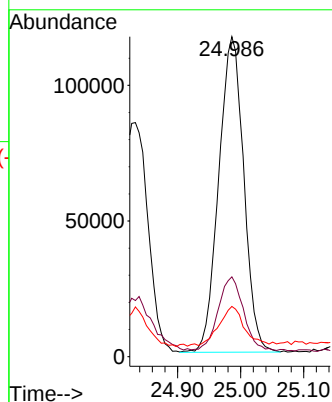
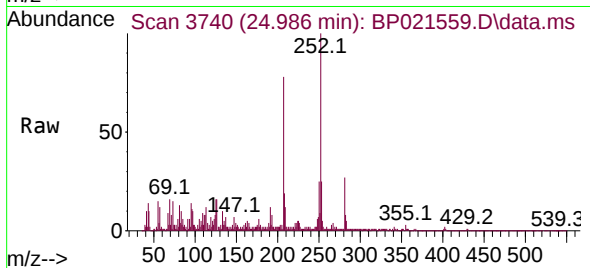
Tgt Ion:252 Resp: 319779

Ion Ratio Lower Upper

252 100

253 24.9 17.7 26.5

125 15.7 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 2.026 ng

RT: 30.262 min Scan# 4637

Delta R.T. 0.088 min

Lab File: BP021559.D

Acq: 19 Aug 2024 18:54

Tgt Ion:276 Resp: 250825

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.6

138 24.6 16.0 24.0#

