

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
 Data File : BP021618.D
 Acq On : 22 Aug 2024 17:58
 Operator : RC/JU
 Sample : P3518-21
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-11-080724

Quant Time: Aug 22 18:24:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 11:12:31 2024
 Response via : Initial Calibration

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

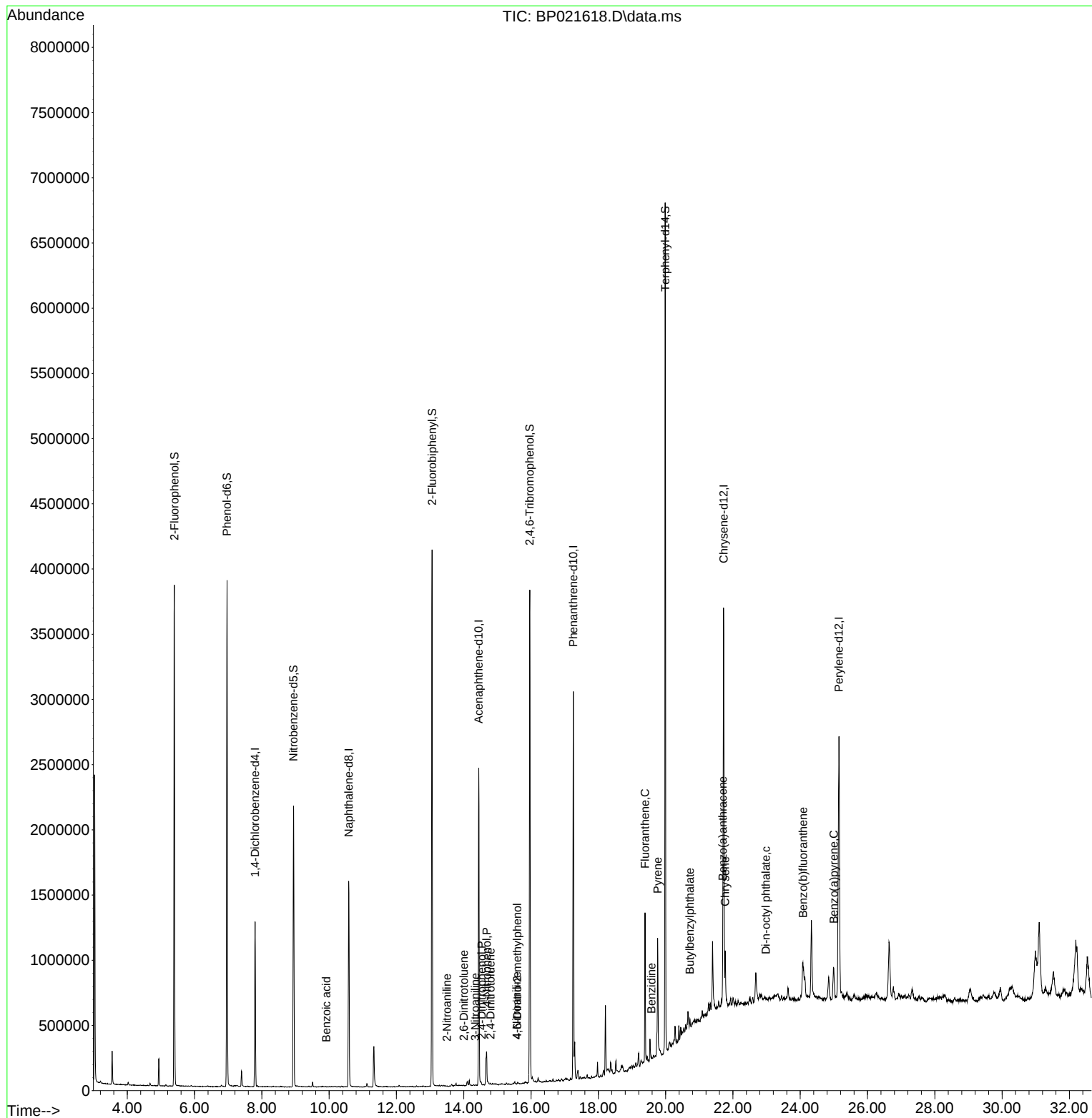
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	323428	20.000	ng	0.00
21) Naphthalene-d8	10.581	136	1327553	20.000	ng	0.00
39) Acenaphthene-d10	14.446	164	839544	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	1825698	20.000	ng	0.00
76) Chrysene-d12	21.722	240	1754188	20.000	ng	0.00
86) Perylene-d12	25.151	264	2017977	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1749374	80.314	ng	0.00
7) Phenol-d6	6.964	99	2480477	78.065	ng	0.00
23) Nitrobenzene-d5	8.940	82	1440145	55.993	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	808791	86.559	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	2016268	36.653	ng	0.00
79) Terphenyl-d14	19.986	244	3221985	35.683	ng	0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.687	139	107	Below Cal	#	1
32) Benzoic acid	9.916	122	80	3.330	ng	# 2
48) 2-Nitroaniline	13.499	65	267	5.166	ng	# 48
51) 2,6-Dinitrotoluene	13.998	165	165	3.999	ng	# 71
53) 3-Nitroaniline	14.346	138	309	3.995	ng	# 75
54) 2,4-Dinitrophenol	14.534	184	46	2.453	ng	# 1
56) 4-Nitrophenol	14.681	139	1074	5.186	ng	# 1
57) 2,4-Dinitrotoluene	14.798	165	610	5.060	ng	# 60
62) 4-Nitroaniline	15.575	138	334	2.962	ng	94
65) 4,6-Dinitro-2-methylph...	15.587	198	114	4.633	ng	# 1
75) Fluoranthene	19.386	202	569743	5.289	ng	99
77) Benzidine	19.575	184	3488	4.637	ng	# 42
78) Pyrene	19.763	202	522258	4.555	ng	100
80) Butylbenzylphthalate	20.722	149	21651	4.063	ng	94
81) Benzo(a)anthracene	21.698	228	258861	2.351	ng	99
83) Chrysene	21.769	228	290233	2.792	ng	99
85) Di-n-octyl phthalate	22.980	149	1436	4.848	ng	# 78
88) Benzo(b)fluoranthene	24.080	252	366703	3.164	ng	96
90) Benzo(a)pyrene	24.998	252	239692	2.383	ng	99

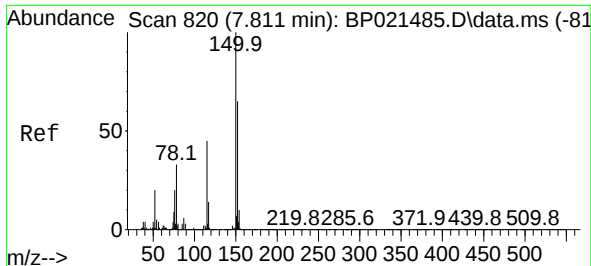
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021618.D
Acq On : 22 Aug 2024 17:58
Operator : RC/JU
Sample : P3518-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OU4-TS-11-080724

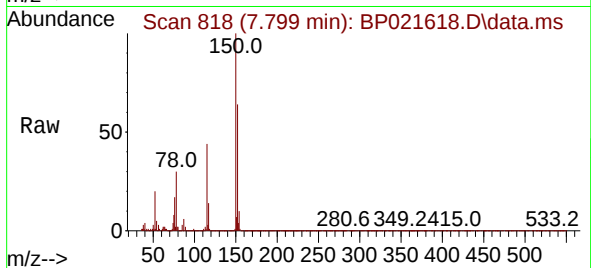
Quant Time: Aug 22 18:24:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration



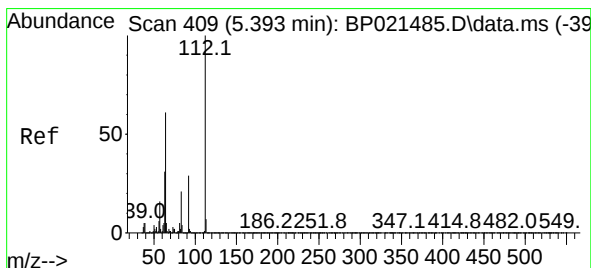
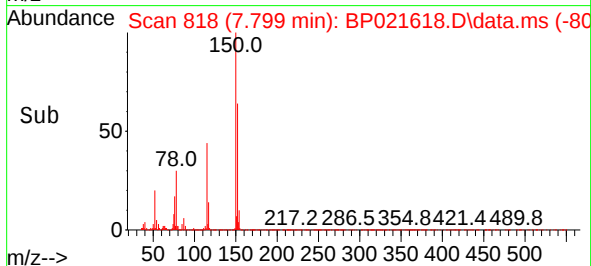
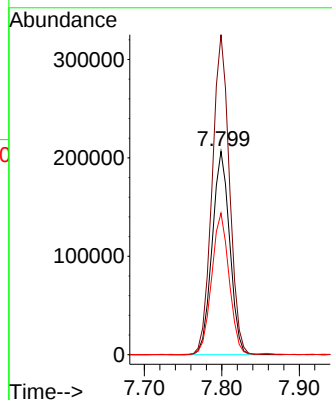


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

Instrument :
BNA_P
ClientSampleId :
OU4-TS-11-080724

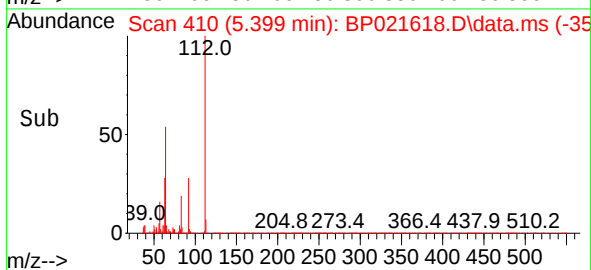
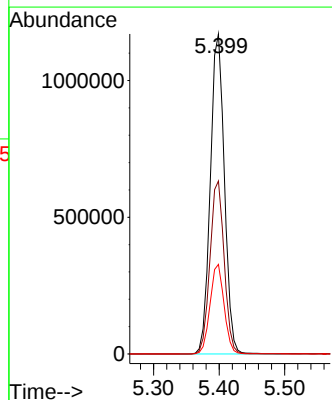
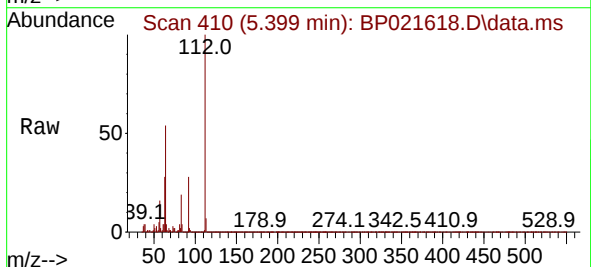


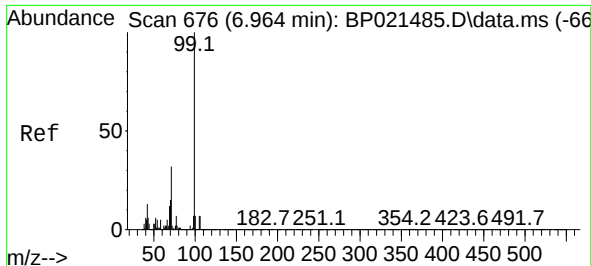
Tgt Ion:152 Resp: 323428
Ion Ratio Lower Upper
152 100
150 157.3 122.4 183.6
115 69.6 54.7 82.1



#5
2-Fluorophenol
Concen: 80.314 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.000 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

Tgt Ion:112 Resp: 1749374
Ion Ratio Lower Upper
112 100
64 54.0 49.0 73.6
63 28.0 24.6 36.8



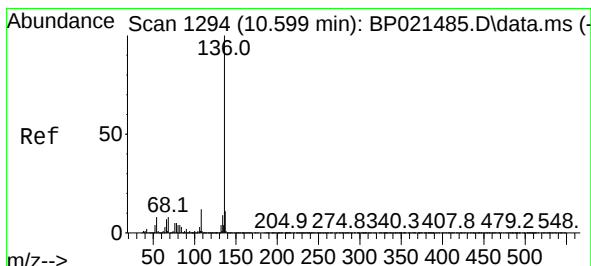
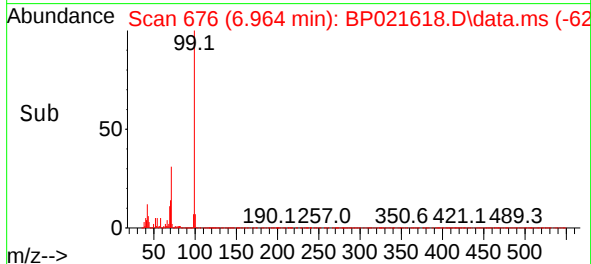
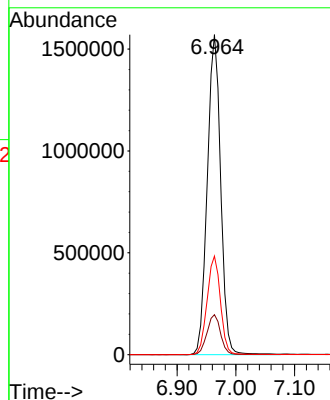
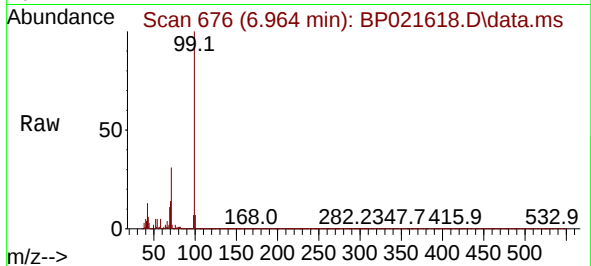


#7
Phenol-d6
Concen: 78.065 ng
RT: 6.964 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

Instrument :
BNA_P
ClientSampleId :
OU4-TS-11-080724

Tgt Ion: 99 Resp: 2480477

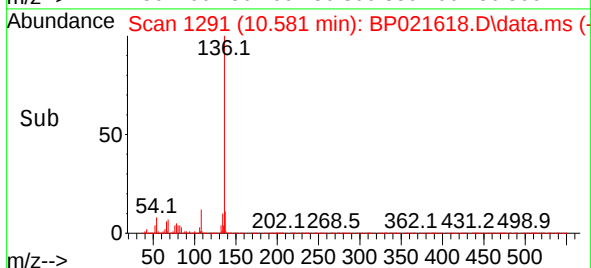
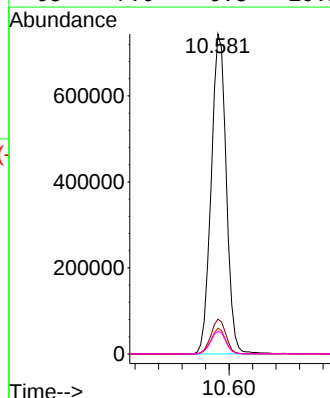
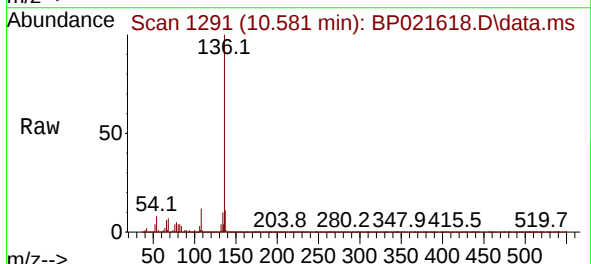
Ion	Ratio	Lower	Upper
99	100		
42	12.5	10.2	15.4
71	30.8	25.8	38.8

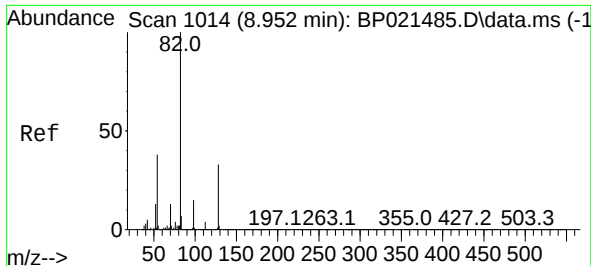


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

Tgt Ion:136 Resp: 1327553

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.0	6.3	9.5
68	7.0	6.8	10.2





#23

Nitrobenzene-d5

Concen: 55.993 ng

RT: 8.940 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

Instrument :

BNA_P

ClientSampleId :

OU4-TS-11-080724

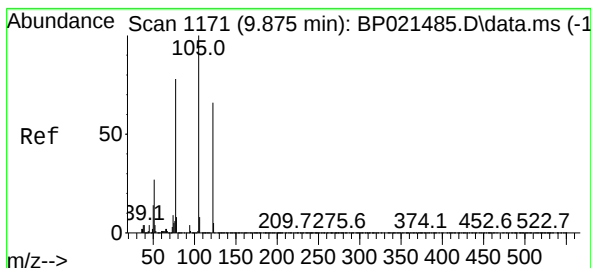
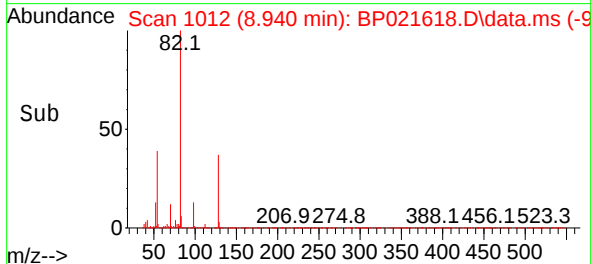
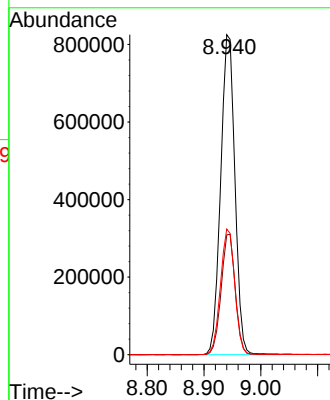
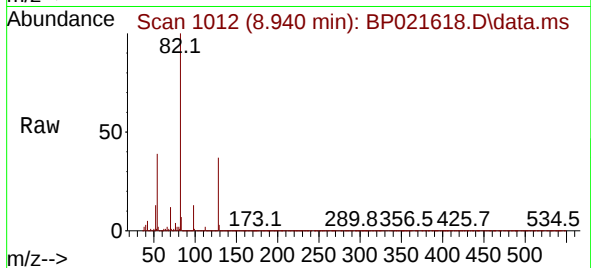
Tgt Ion: 82 Resp: 1440145

Ion Ratio Lower Upper

82 100

128 37.5 26.5 39.7

54 39.3 30.3 45.5



#32

Benzoic acid

Concen: 3.330 ng

RT: 9.916 min Scan# 1178

Delta R.T. 0.024 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

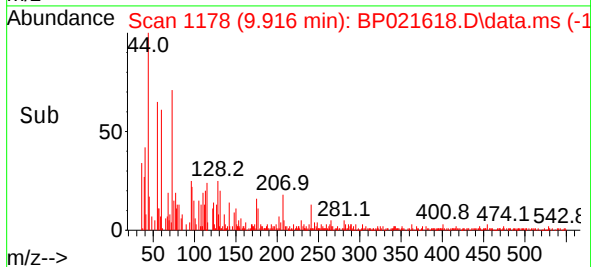
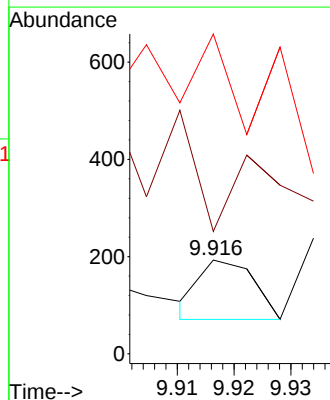
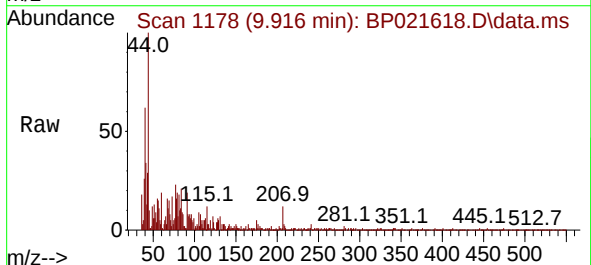
Tgt Ion:122 Resp: 80

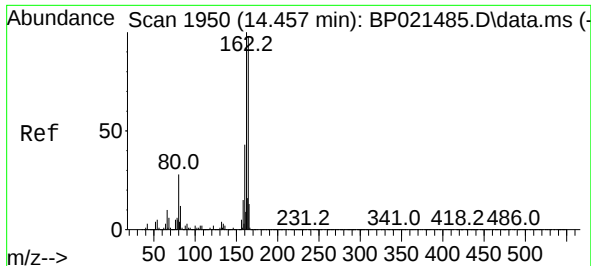
Ion Ratio Lower Upper

122 100

105 130.6 124.6 164.6

77 340.9 96.2 136.2#

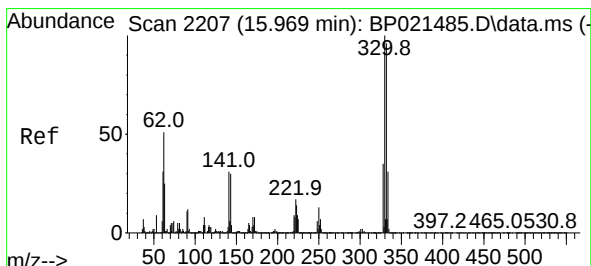
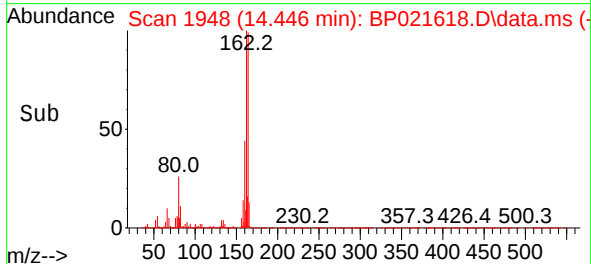
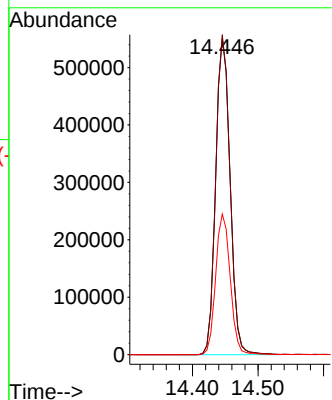
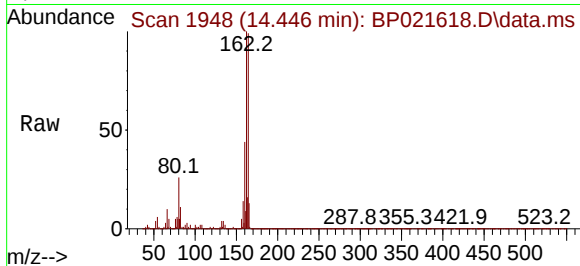




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

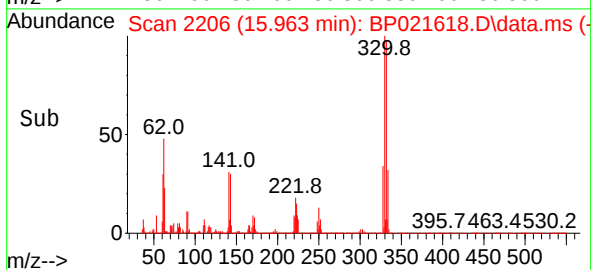
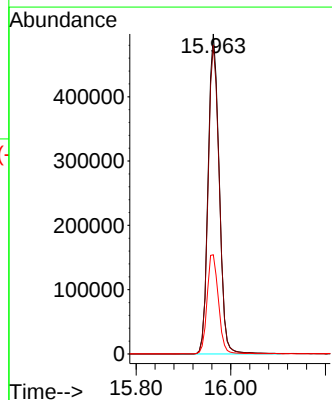
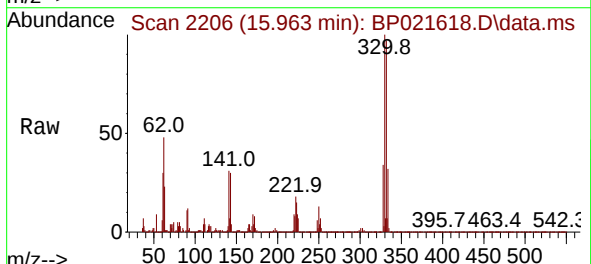
Instrument :
BNA_P
ClientSampleId :
OU4-TS-11-080724

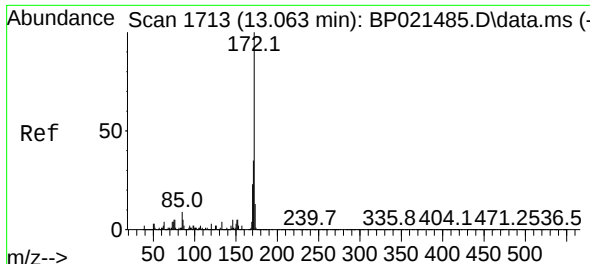
Tgt Ion:164 Resp: 839544
Ion Ratio Lower Upper
164 100
162 101.1 81.5 122.3
160 44.5 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 86.559 ng
RT: 15.963 min Scan# 2206
Delta R.T. 0.006 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

Tgt Ion:330 Resp: 808791
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.0
141 31.8 24.5 36.7

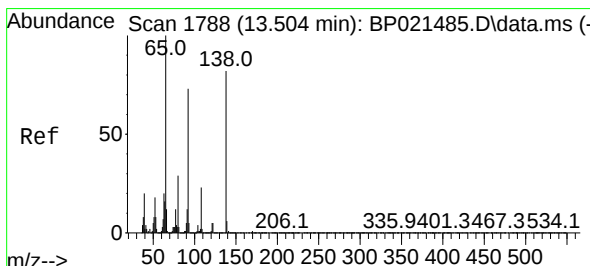
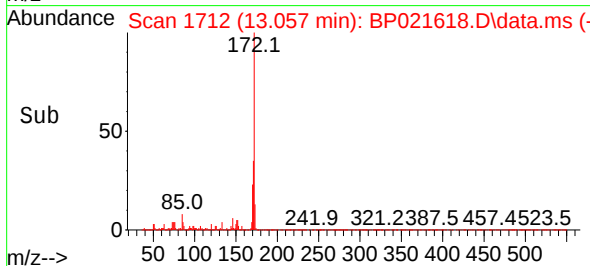
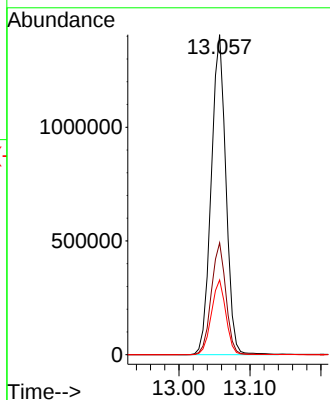
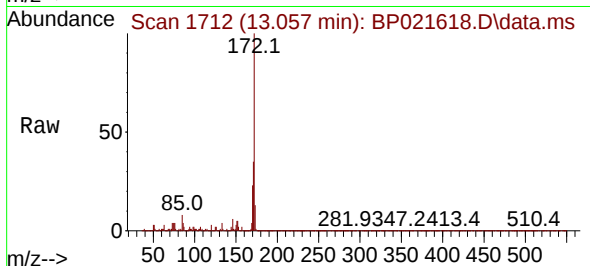




#45
2-Fluorobiphenyl
Concen: 36.653 ng
RT: 13.057 min Scan# 1712
Delta R.T. 0.006 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

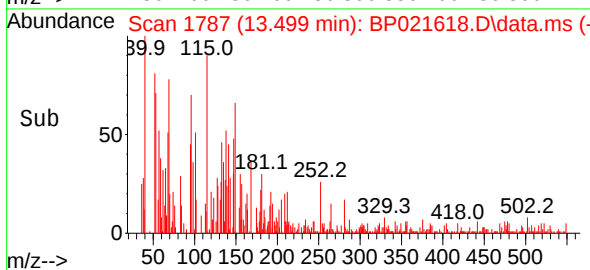
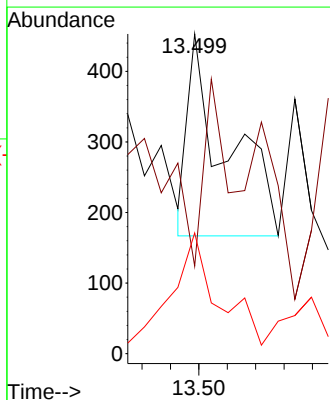
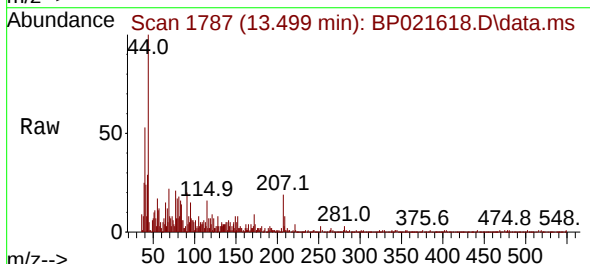
Instrument :
BNA_P
ClientSampleId :
OU4-TS-11-080724

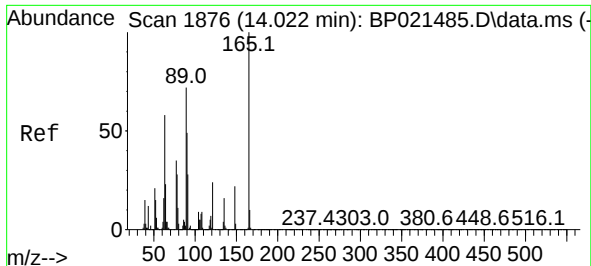
Tgt Ion:172 Resp: 2016268
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.3 18.4 27.6



#48
2-Nitroaniline
Concen: 5.166 ng
RT: 13.499 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

Tgt Ion: 65 Resp: 267
Ion Ratio Lower Upper
65 100
92 27.4 58.1 87.1#
138 37.7 65.5 98.3#

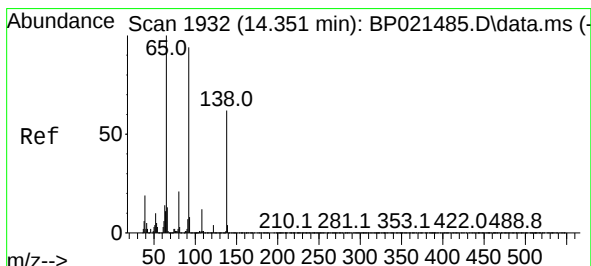
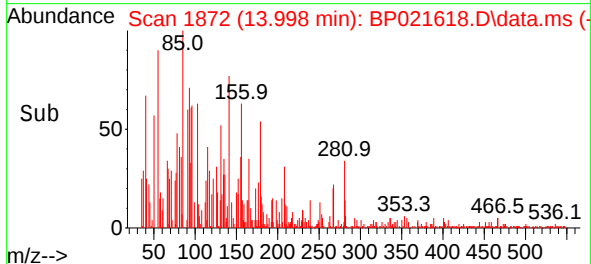
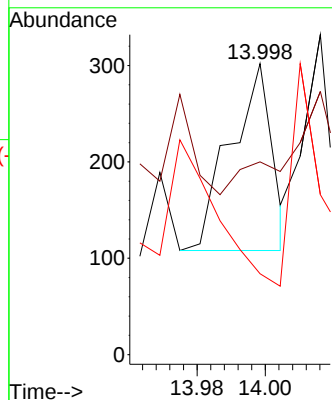
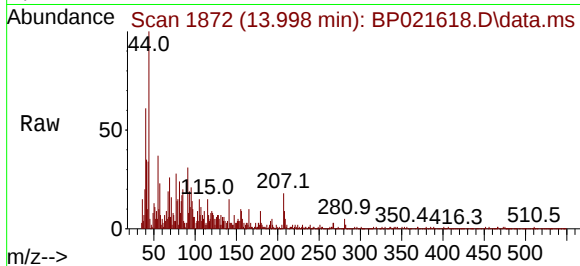




#51
2,6-Dinitrotoluene
Concen: 3.999 ng
RT: 13.998 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

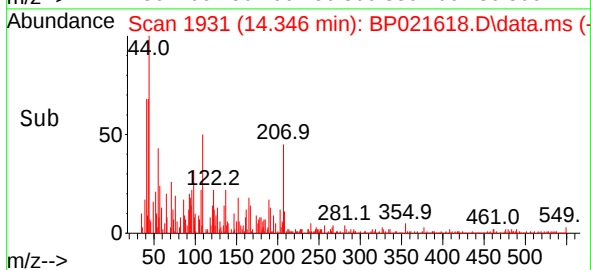
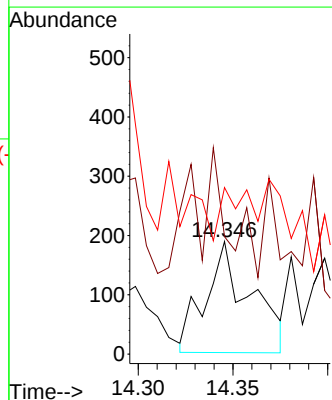
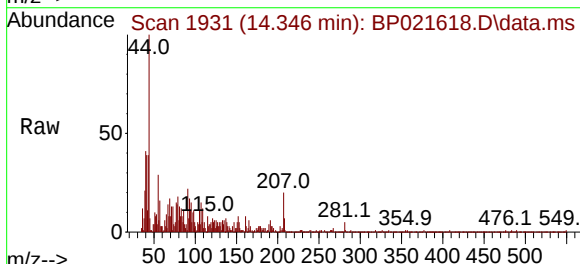
Instrument :
BNA_P
ClientSampleId :
OU4-TS-11-080724

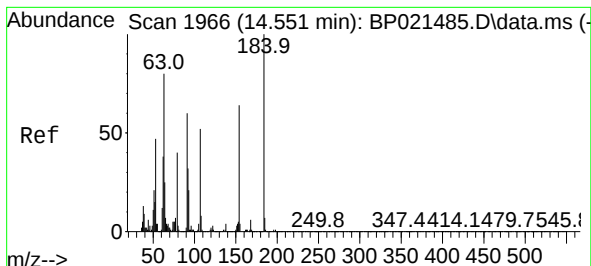
Tgt Ion:165 Resp: 165
Ion Ratio Lower Upper
165 100
63 66.2 51.5 77.3
89 27.8 57.8 86.8#



#53
3-Nitroaniline
Concen: 3.995 ng
RT: 14.346 min Scan# 1931
Delta R.T. 0.006 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

Tgt Ion:138 Resp: 309
Ion Ratio Lower Upper
138 100
108 104.2 16.2 24.4#
92 147.9 122.2 183.4

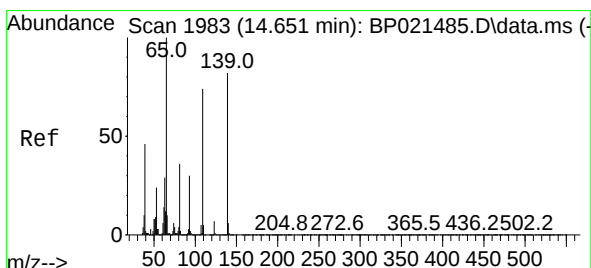
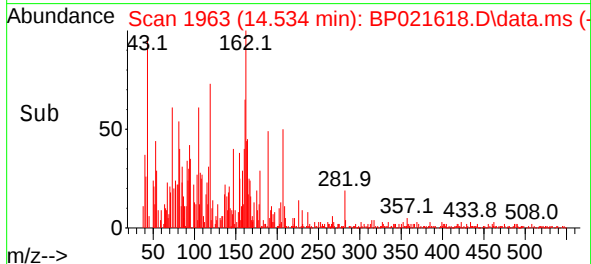
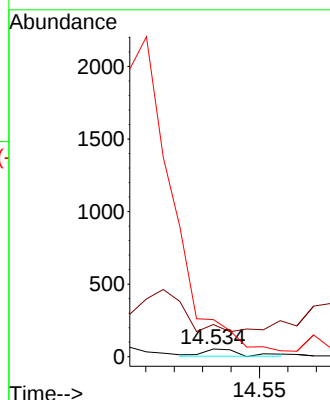
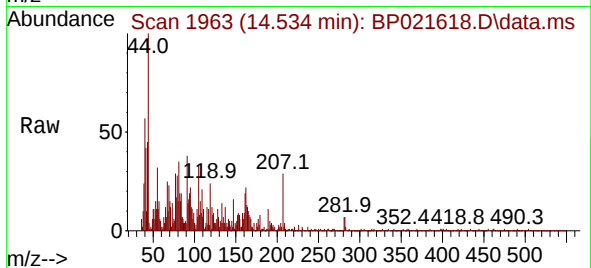




#54
2,4-Dinitrophenol
Concen: 2.453 ng
RT: 14.534 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

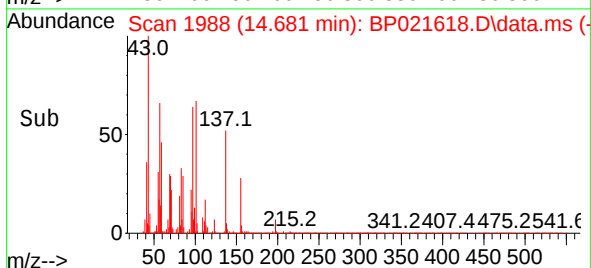
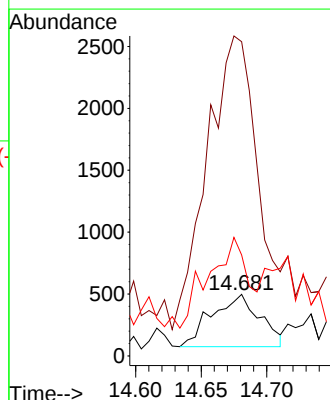
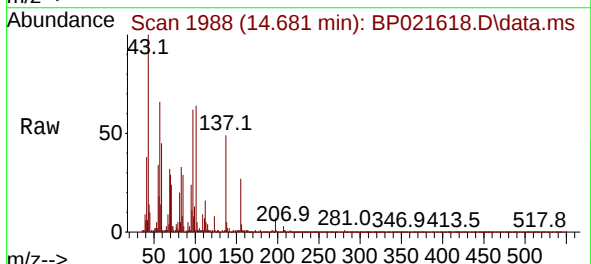
Instrument :
BNA_P
ClientSampleId :
OU4-TS-11-080724

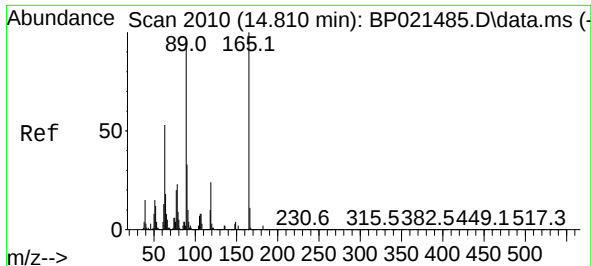
Tgt Ion:184 Resp: 46
Ion Ratio Lower Upper
184 100
63 331.3 64.9 97.3#
154 382.1 52.1 78.1#



#56
4-Nitrophenol
Concen: 5.186 ng
RT: 14.681 min Scan# 1988
Delta R.T. 0.029 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

Tgt Ion:139 Resp: 1074
Ion Ratio Lower Upper
139 100
109 510.9 70.2 110.2#
65 164.0 101.8 141.8#

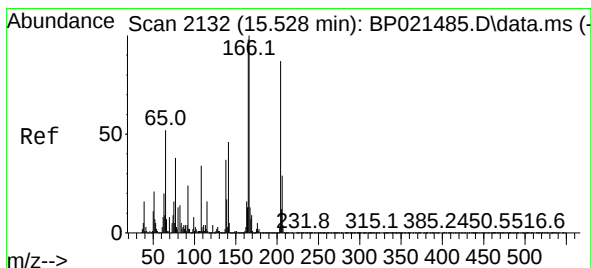
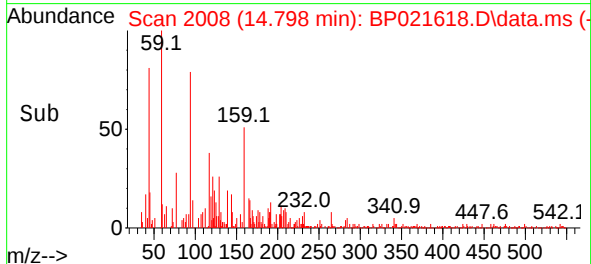
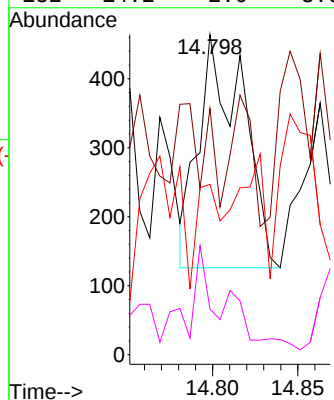
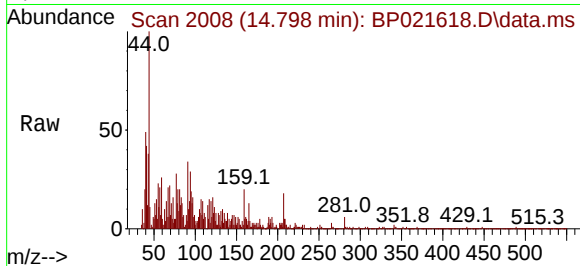




#57
2,4-Dinitrotoluene
Concen: 5.060 ng
RT: 14.798 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

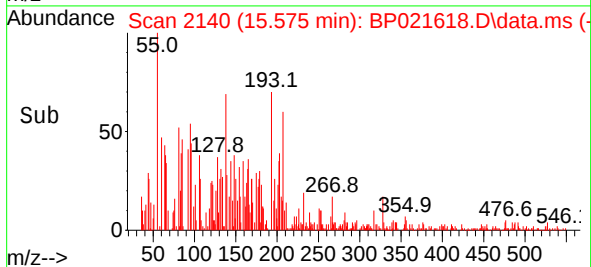
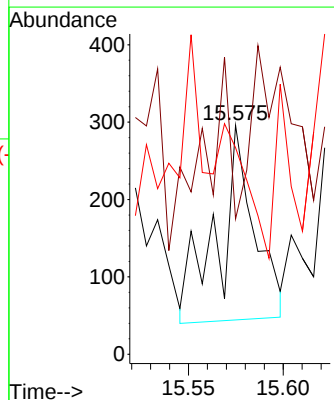
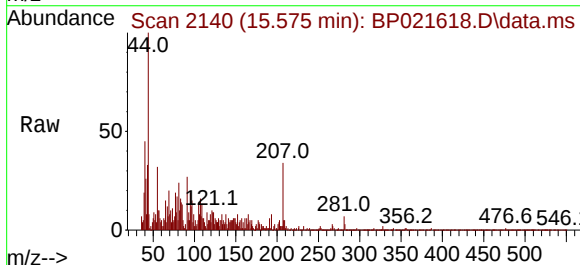
Instrument :
BNA_P
ClientSampleId :
OU4-TS-11-080724

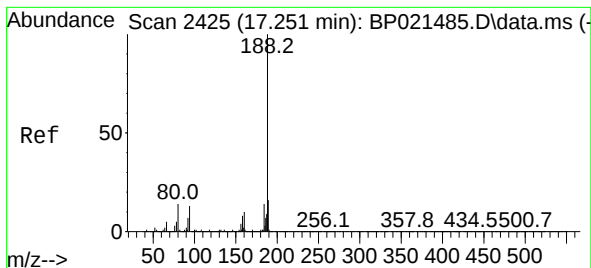
Tgt Ion:165 Resp: 610
Ion Ratio Lower Upper
165 100
63 76.9 42.5 63.7#
89 53.2 77.1 115.7#
182 14.2 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.962 ng
RT: 15.575 min Scan# 2140
Delta R.T. 0.065 min
Lab File: BP021618.D
Acq: 22 Aug 2024 17:58

Tgt Ion:138 Resp: 334
Ion Ratio Lower Upper
138 100
92 59.1 46.4 86.4
108 90.2 73.2 113.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.257 min Scan# 2426

Delta R.T. 0.006 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

Instrument :

BNA_P

ClientSampleId :

OU4-TS-11-080724

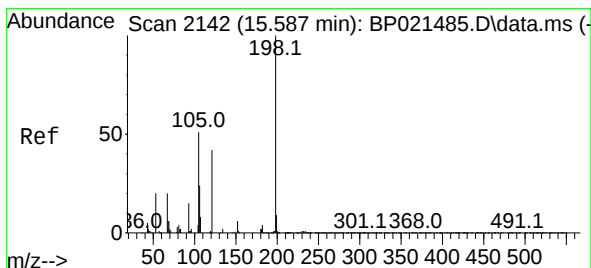
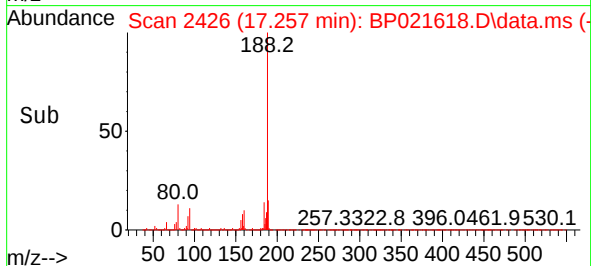
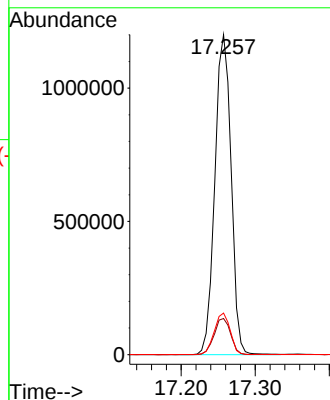
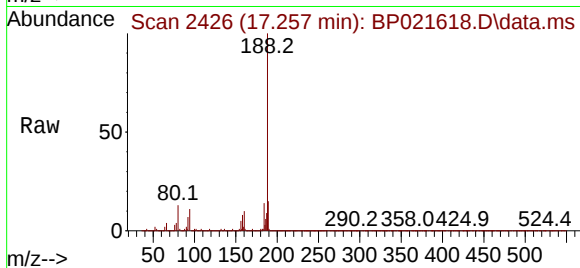
Tgt Ion:188 Resp: 1825698

Ion Ratio Lower Upper

188 100

94 11.3 10.2 15.4

80 13.0 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.633 ng

RT: 15.587 min Scan# 2142

Delta R.T. 0.000 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

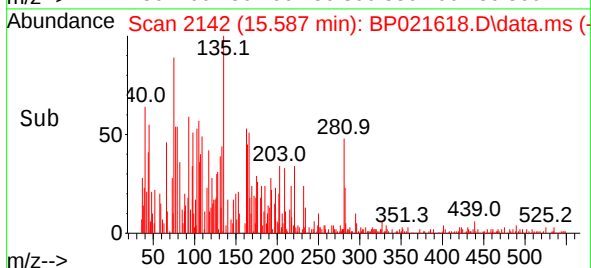
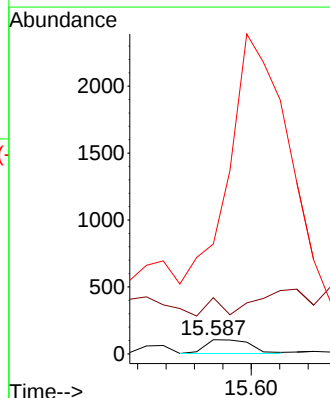
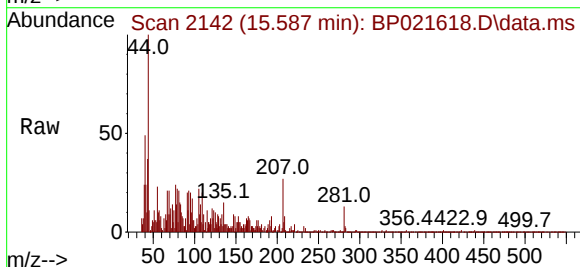
Tgt Ion:198 Resp: 114

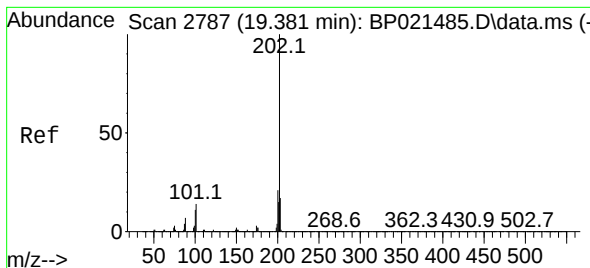
Ion Ratio Lower Upper

198 100

51 397.2 21.5 61.5#

105 774.5 32.9 72.9#





#75

Fluoranthene

Concen: 5.289 ng

RT: 19.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

Instrument :

BNA_P

ClientSampleId :

OU4-TS-11-080724

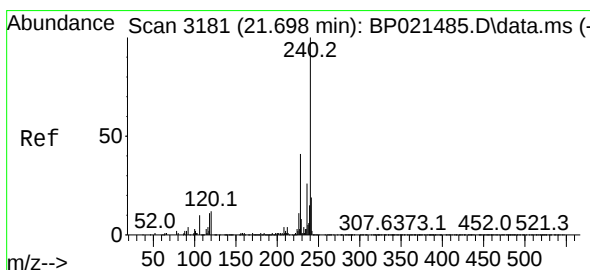
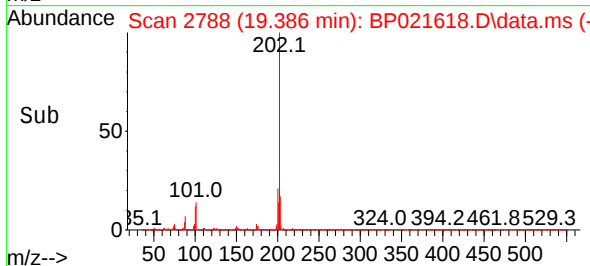
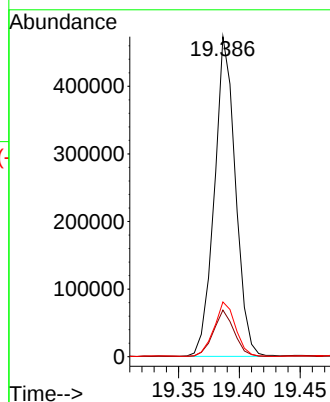
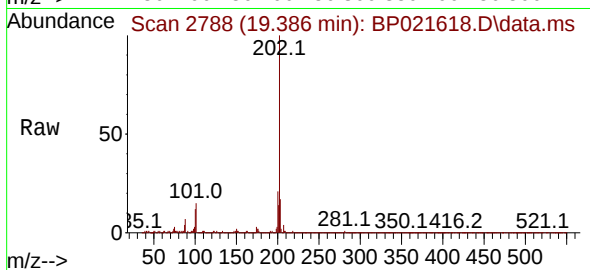
Tgt Ion:202 Resp: 569743

Ion Ratio Lower Upper

202 100

101 14.6 0.0 34.0

203 17.1 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.722 min Scan# 3185

Delta R.T. 0.006 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

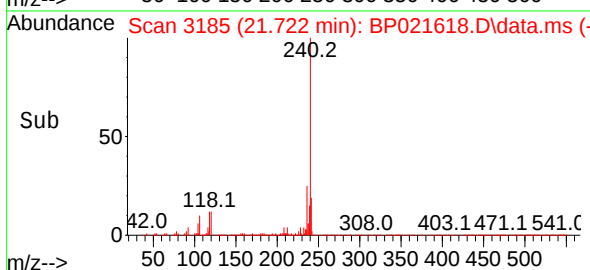
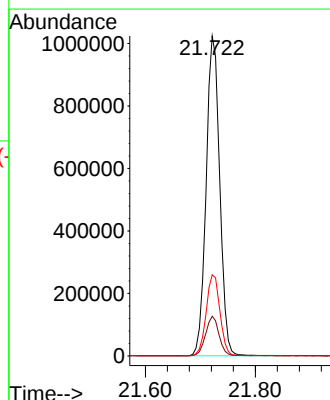
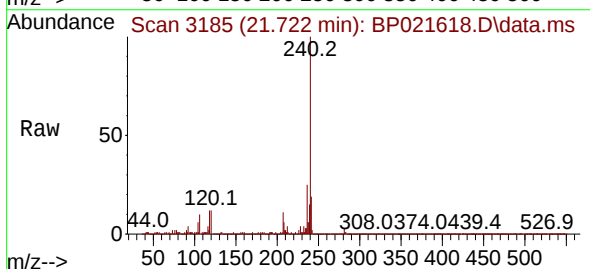
Tgt Ion:240 Resp: 1754188

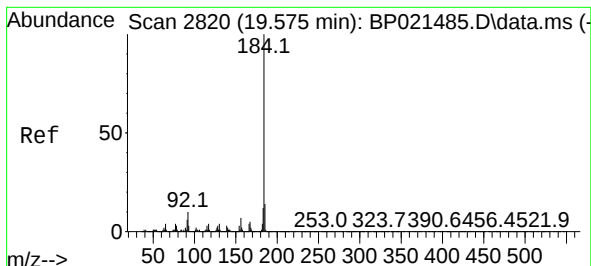
Ion Ratio Lower Upper

240 100

120 12.4 9.9 14.9

236 25.4 20.6 30.8





#77

Benzidine

Concen: 4.637 ng

RT: 19.575 min Scan# 2820

Delta R.T. -0.000 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

Instrument :

BNA_P

ClientSampleId :

OU4-TS-11-080724

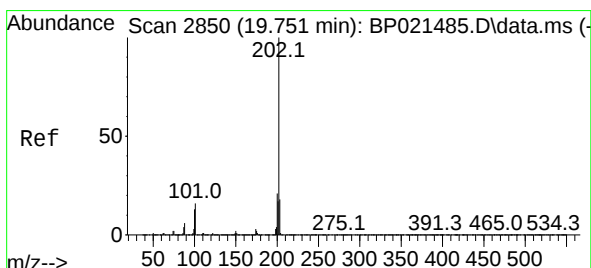
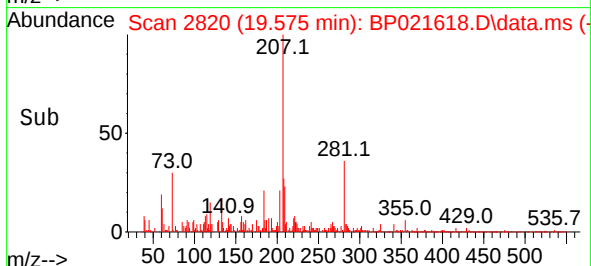
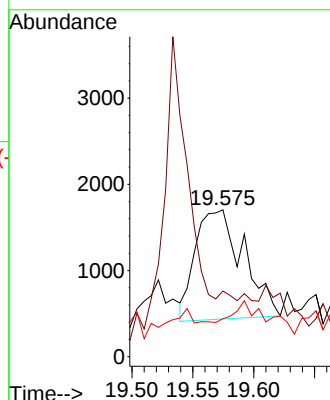
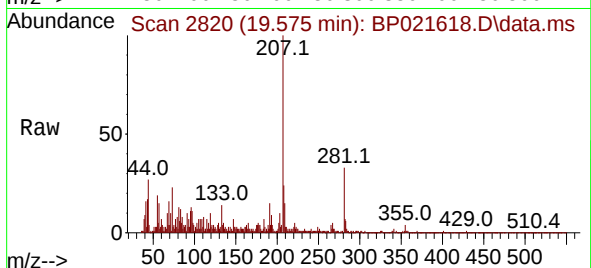
Tgt Ion:184 Resp: 3488

Ion Ratio Lower Upper

184 100

185 44.7 11.4 17.0#

183 25.9 9.3 13.9#



#78

Pyrene

Concen: 4.555 ng

RT: 19.763 min Scan# 2852

Delta R.T. 0.006 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

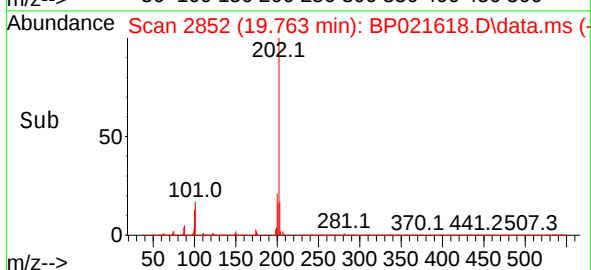
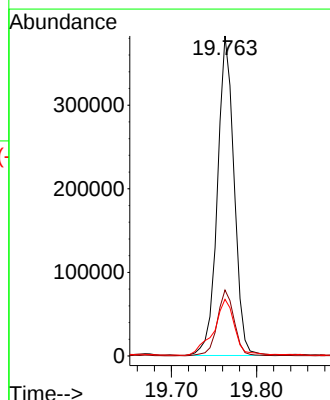
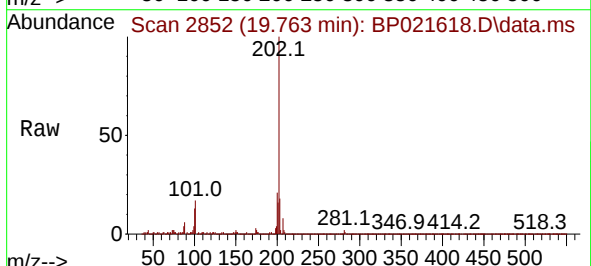
Tgt Ion:202 Resp: 522258

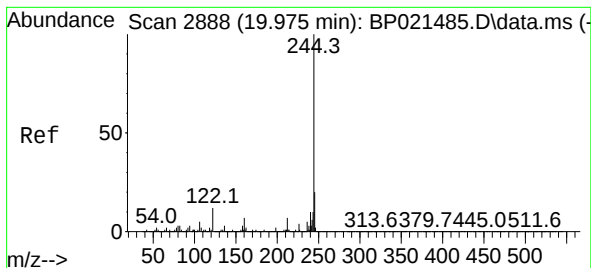
Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 35.683 ng

RT: 19.986 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

Instrument :

BNA_P

ClientSampleId :

OU4-TS-11-080724

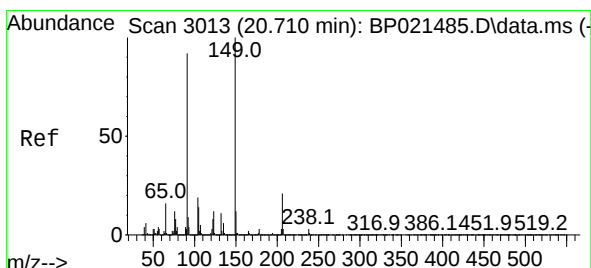
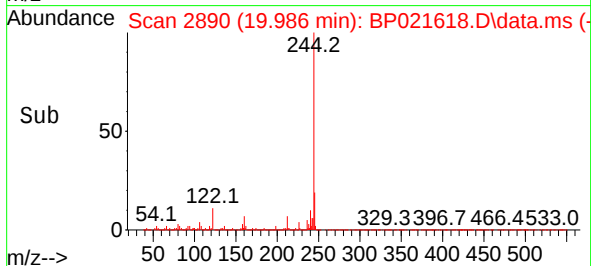
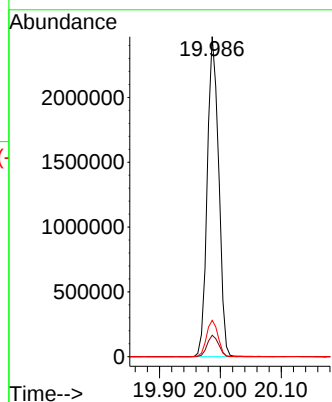
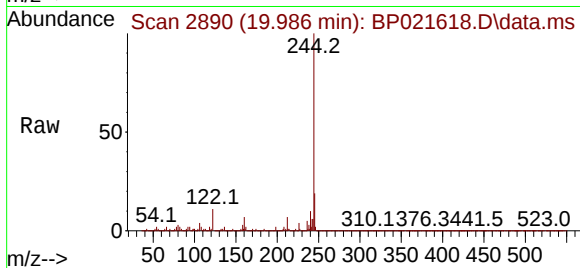
Tgt Ion:244 Resp: 3221985

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.3 9.4 14.2



#80

Butylbenzylphthalate

Concen: 4.063 ng

RT: 20.722 min Scan# 3015

Delta R.T. 0.012 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

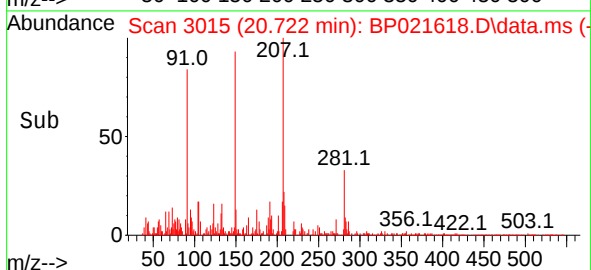
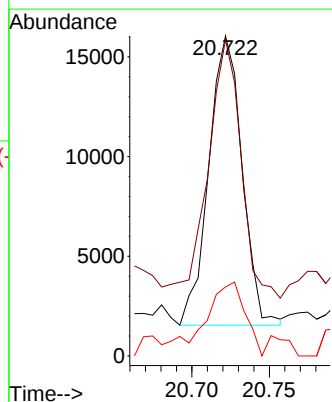
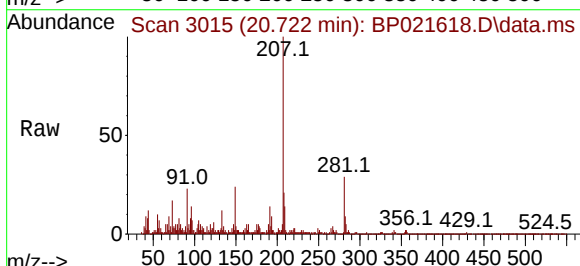
Tgt Ion:149 Resp: 21651

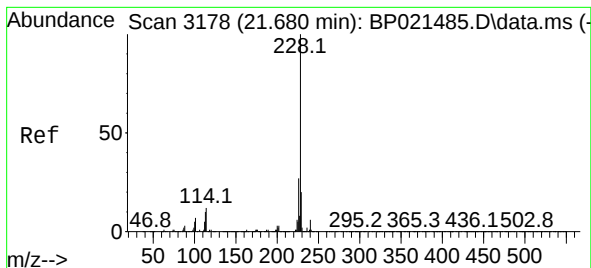
Ion Ratio Lower Upper

149 100

91 98.8 73.3 109.9

206 21.5 17.1 25.7





#81

Benzo(a)anthracene

Concen: 2.351 ng

RT: 21.698 min Scan# 3181

Delta R.T. -0.000 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

Instrument :

BNA_P

ClientSampleId :

OU4-TS-11-080724

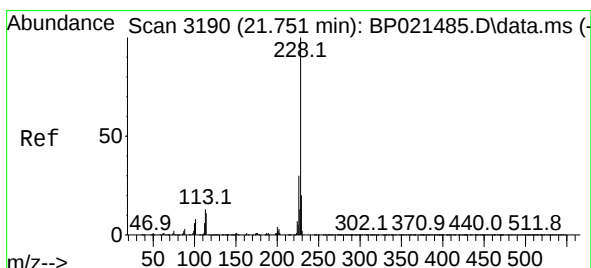
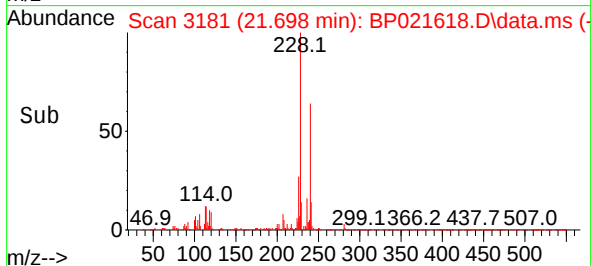
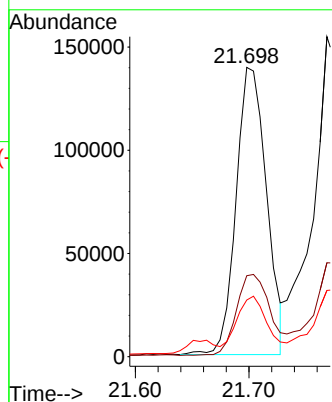
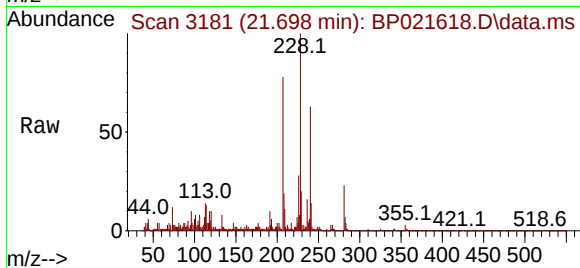
Tgt Ion:228 Resp: 258861

Ion Ratio Lower Upper

228 100

226 28.0 21.4 32.2

229 19.6 15.8 23.6



#83

Chrysene

Concen: 2.792 ng

RT: 21.769 min Scan# 3193

Delta R.T. -0.000 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

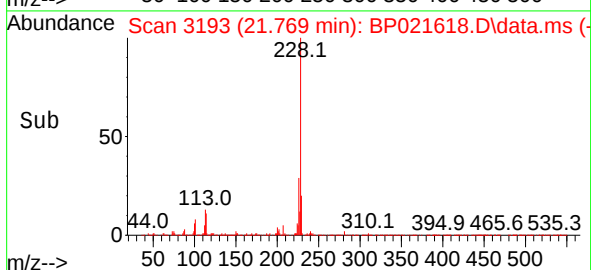
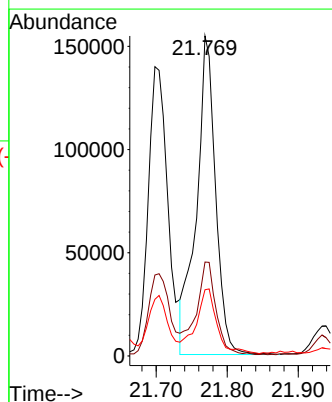
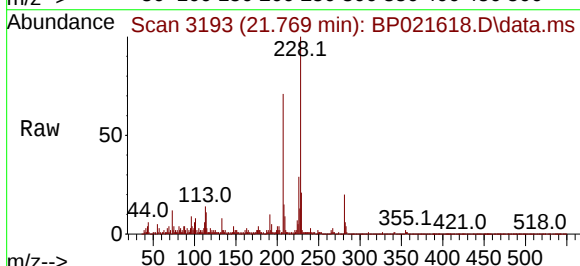
Tgt Ion:228 Resp: 290233

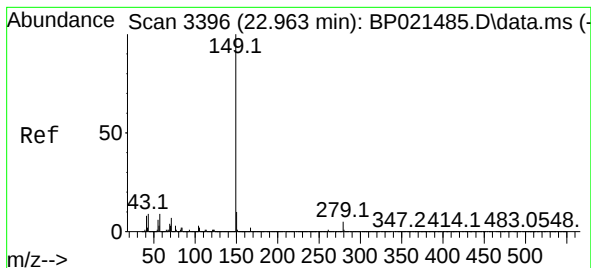
Ion Ratio Lower Upper

228 100

226 29.4 23.9 35.9

229 20.7 15.8 23.6





#85

Di-n-octyl phthalate

Concen: 4.848 ng

RT: 22.980 min Scan# 3399

Delta R.T. 0.018 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

Instrument :

BNA_P

ClientSampleId :

OU4-TS-11-080724

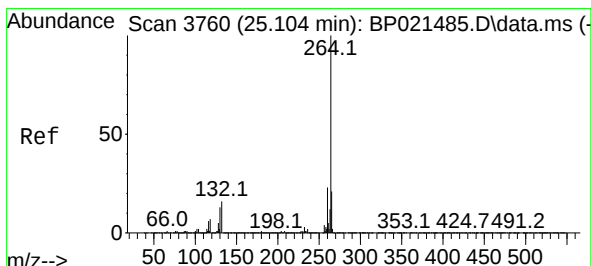
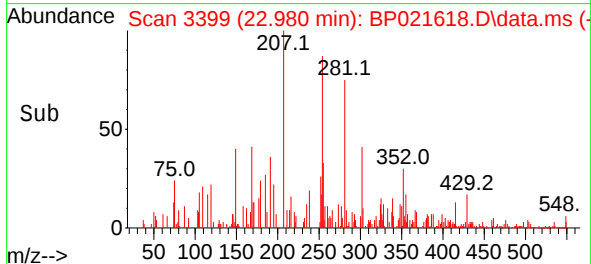
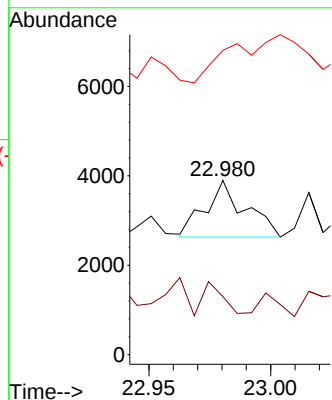
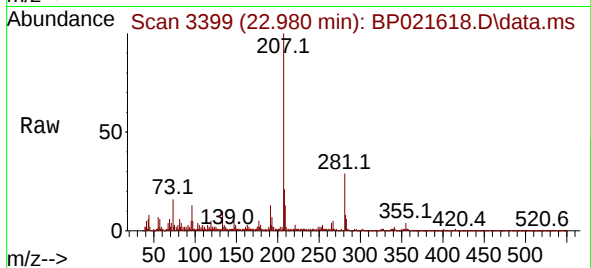
Tgt Ion:149 Resp: 1436

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 7.3 10.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.151 min Scan# 3768

Delta R.T. -0.000 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

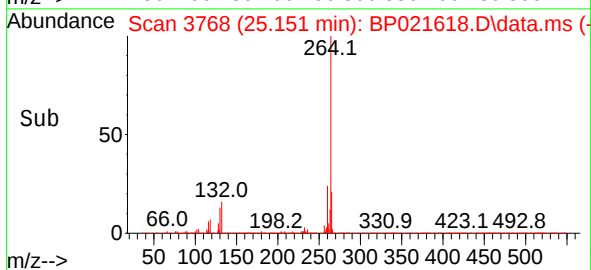
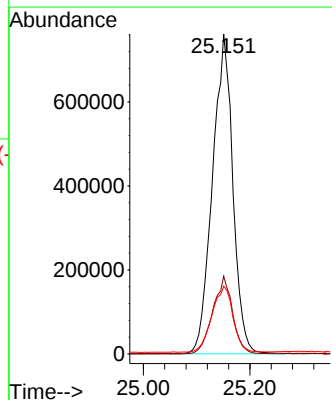
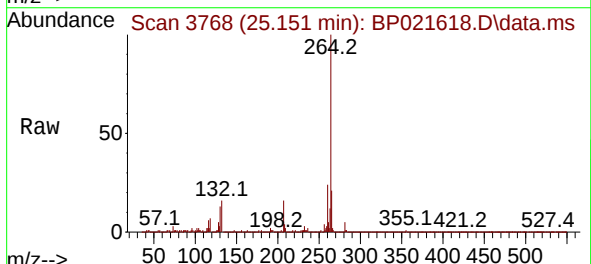
Tgt Ion:264 Resp: 2017977

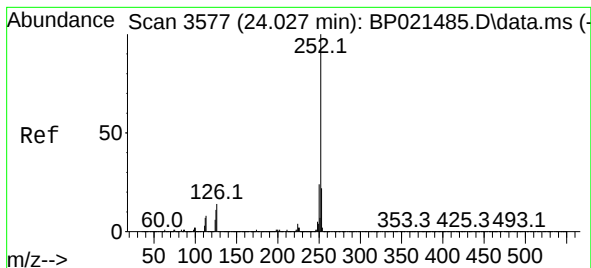
Ion Ratio Lower Upper

264 100

260 24.3 18.6 28.0

265 21.2 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 3.164 ng

RT: 24.080 min Scan# 3586

Delta R.T. 0.024 min

Lab File: BP021618.D

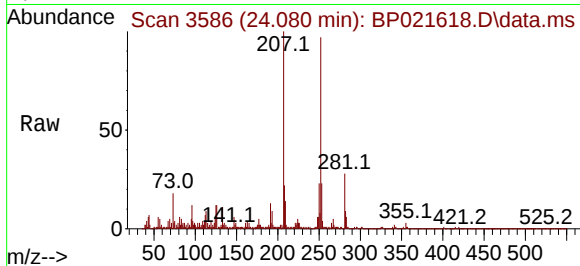
Acq: 22 Aug 2024 17:58

Instrument :

BNA_P

ClientSampleId :

OU4-TS-11-080724



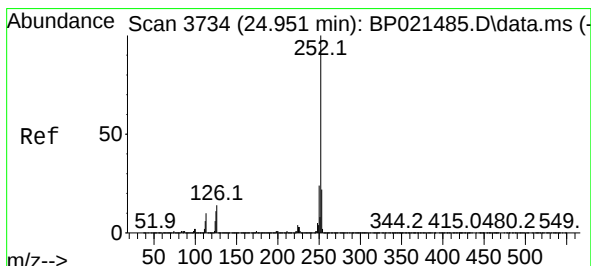
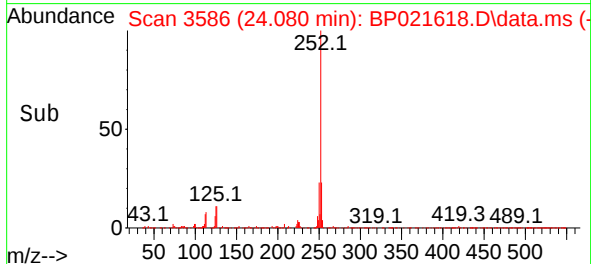
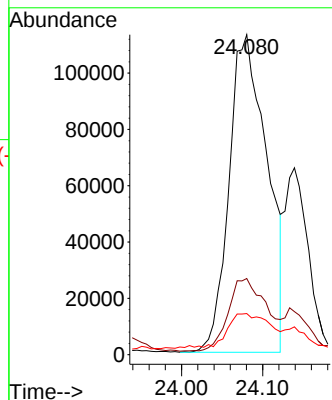
Tgt Ion:252 Resp: 366703

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 12.8 8.6 13.0



#90

Benzo(a)pyrene

Concen: 2.383 ng

RT: 24.998 min Scan# 3742

Delta R.T. 0.018 min

Lab File: BP021618.D

Acq: 22 Aug 2024 17:58

Tgt Ion:252 Resp: 239692

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 12.0 8.7 13.1

