

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
 Data File : BP021587.D
 Acq On : 21 Aug 2024 01:19
 Operator : RC/JU
 Sample : P3518-25RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-13-080724RE

Quant Time: Aug 21 01:49:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

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

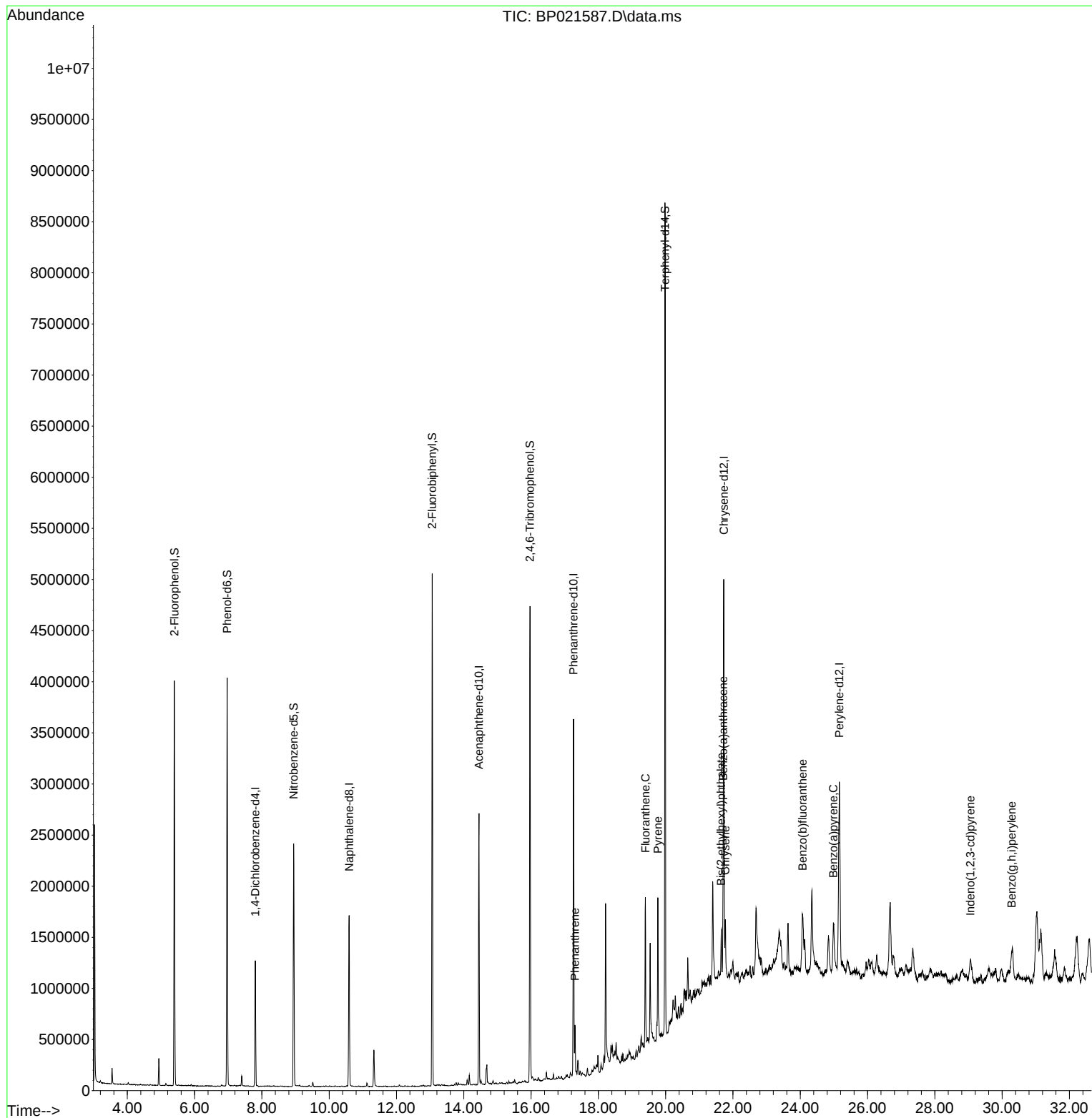
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	322697	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1353878	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	901779	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	1999925	20.000	ng	0.01
76) Chrysene-d12	21.727	240	1856414	20.000	ng	0.03
86) Perylene-d12	25.162	264	2198041	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1786147	82.188	ng	0.00
7) Phenol-d6	6.969	99	2581163	81.418	ng	0.00
23) Nitrobenzene-d5	8.946	82	1522635	58.049	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	966268	96.276	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2487535	42.099	ng	0.00
79) Terphenyl-d14	19.980	244	4179632	43.740	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.304	178	299157	3.110	ng	99
75) Fluoranthene	19.398	202	826808	7.006	ng	99
78) Pyrene	19.769	202	777228	6.405	ng	99
81) Benzo(a)anthracene	21.710	228	400851	3.440	ng	94
83) Chrysene	21.774	228	436668	3.969	ng	96
84) Bis(2-ethylhexyl)phtha...	21.651	149	181134	2.630	ng	99
87) Indeno(1,2,3-cd)pyrene	29.056	276	385241	2.704	ng	# 88
88) Benzo(b)fluoranthene	24.068	252	696689	5.519	ng	96
90) Benzo(a)pyrene	24.986	252	465479	4.249	ng	# 95
92) Benzo(g,h,i)perylene	30.280	276	394111	3.321	ng	98

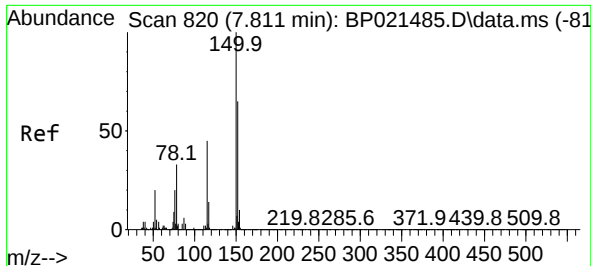
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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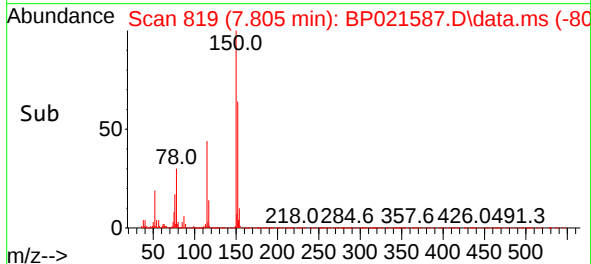
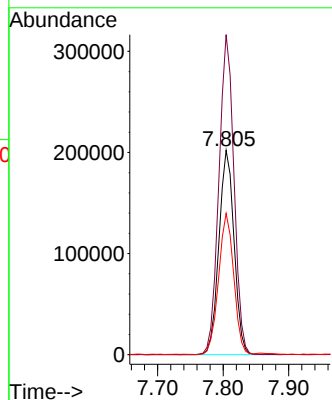
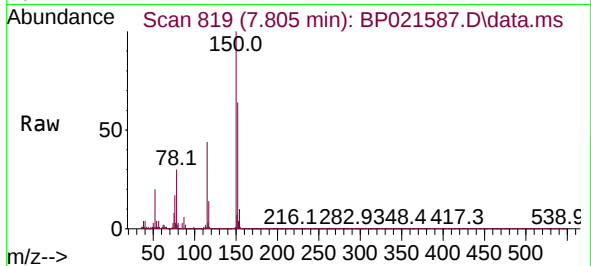




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021587.D
Acq: 21 Aug 2024 01:19

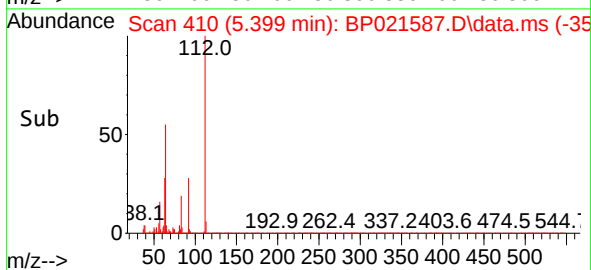
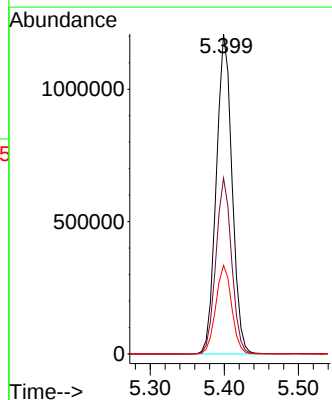
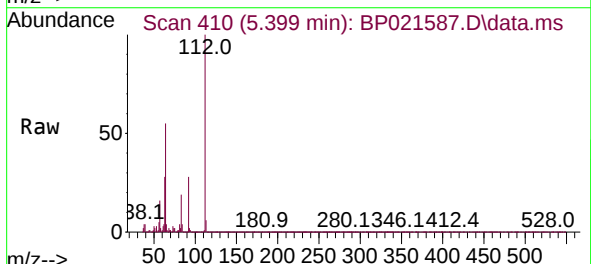
Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724RE

Tgt Ion:152 Resp: 322697
Ion Ratio Lower Upper
152 100
150 156.6 122.4 183.6
115 69.1 54.7 82.1



#5
2-Fluorophenol
Concen: 82.188 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP021587.D
Acq: 21 Aug 2024 01:19

Tgt Ion:112 Resp: 1786147
Ion Ratio Lower Upper
112 100
64 54.9 49.0 73.6
63 27.7 24.6 36.8



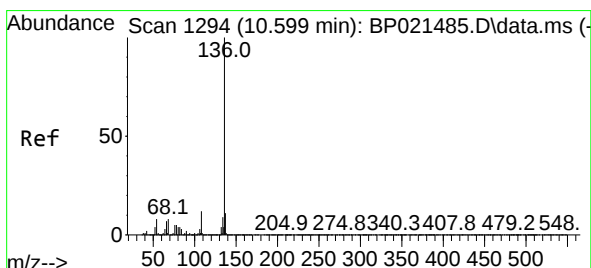
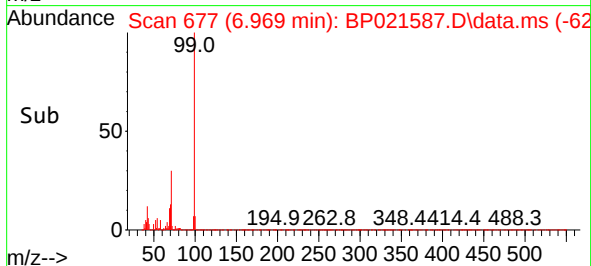
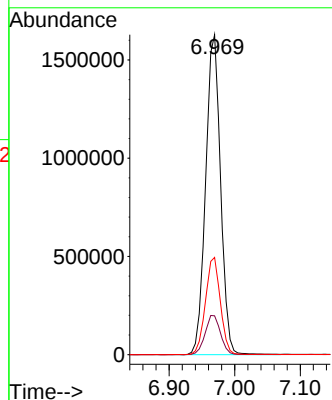
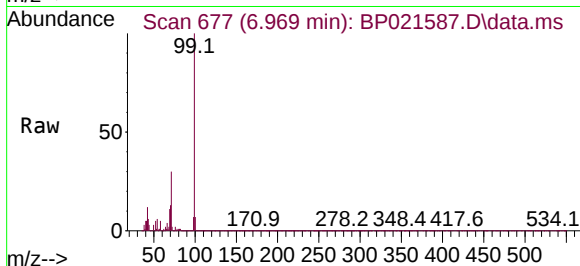


#7
Phenol-d6
Concen: 81.418 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP021587.D
Acq: 21 Aug 2024 01:19

Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724RE

Tgt Ion: 99 Resp: 2581163

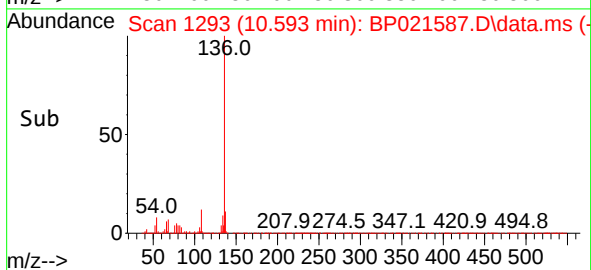
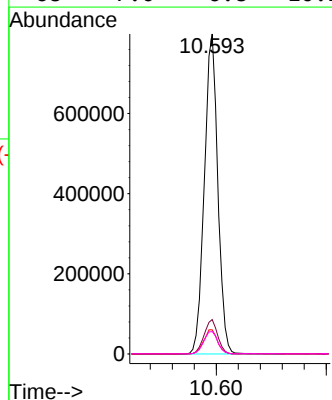
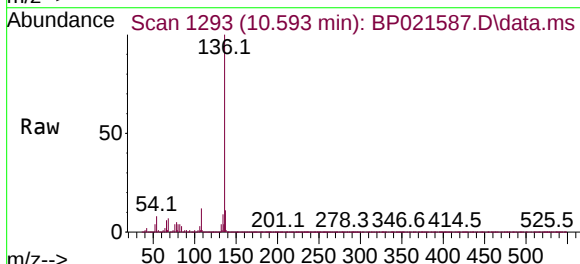
Ion	Ratio	Lower	Upper
99	100		
42	12.1	10.2	15.4
71	30.4	25.8	38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021587.D
Acq: 21 Aug 2024 01:19

Tgt Ion: 136 Resp: 1353878

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.5	6.3	9.5
68	7.0	6.8	10.2





#23

Nitrobenzene-d5

Concen: 58.049 ng

RT: 8.946 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724RE

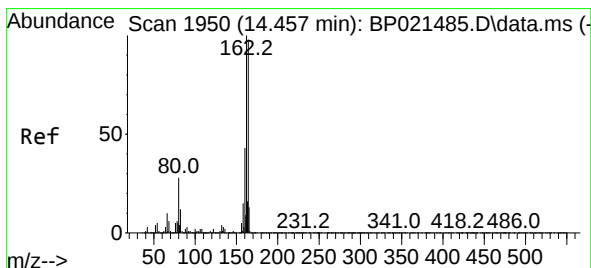
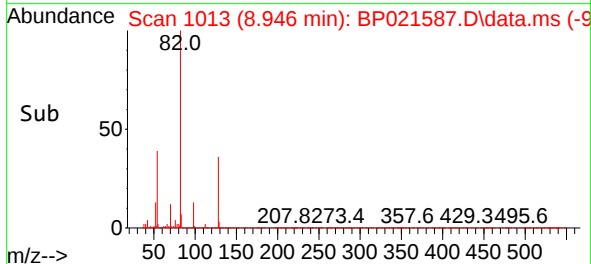
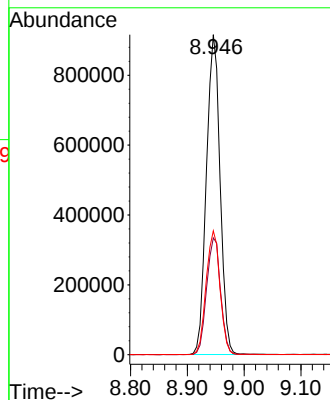
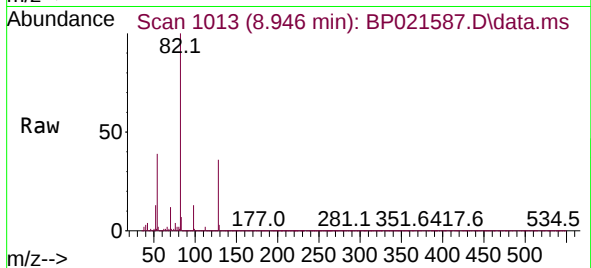
Tgt Ion: 82 Resp: 1522635

Ion Ratio Lower Upper

82 100

128 36.5 26.5 39.7

54 38.7 30.3 45.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

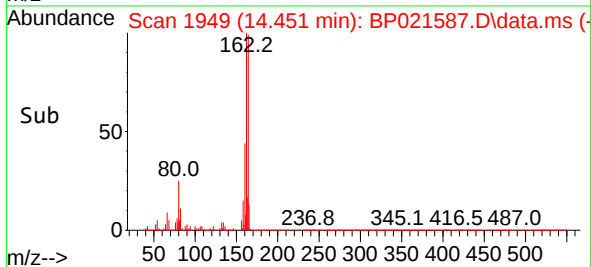
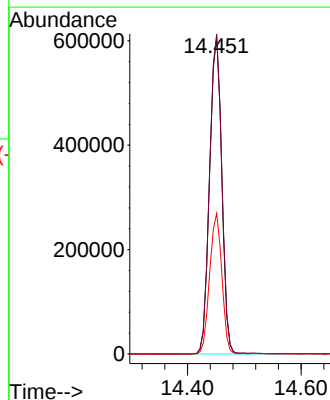
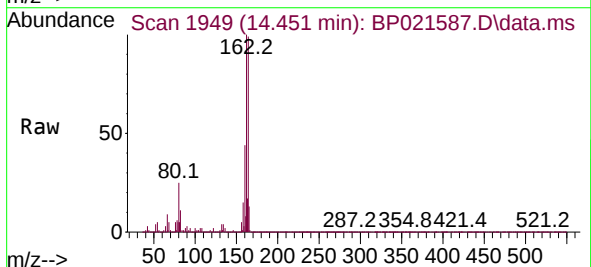
Tgt Ion:164 Resp: 901779

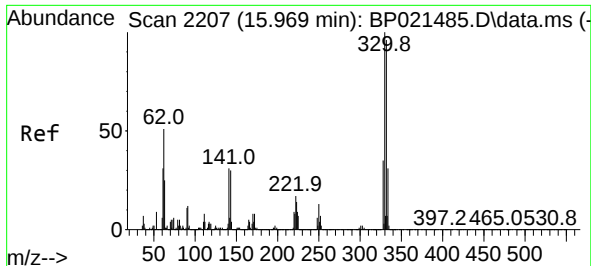
Ion Ratio Lower Upper

164 100

162 100.8 81.5 122.3

160 44.3 35.2 52.8

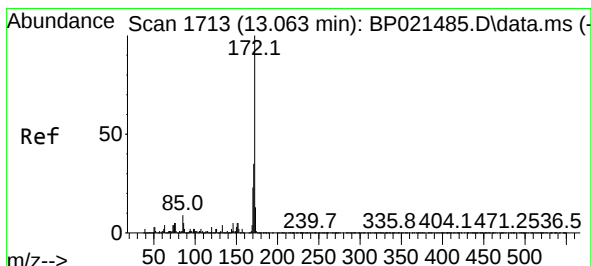
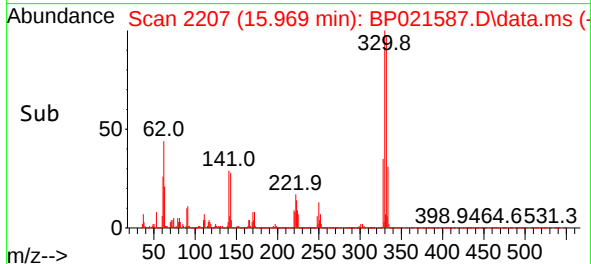
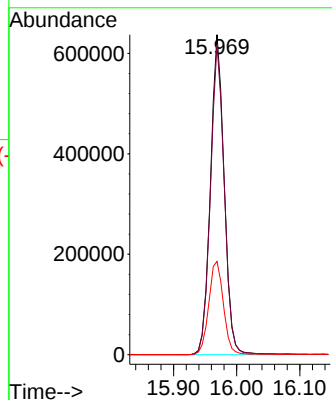
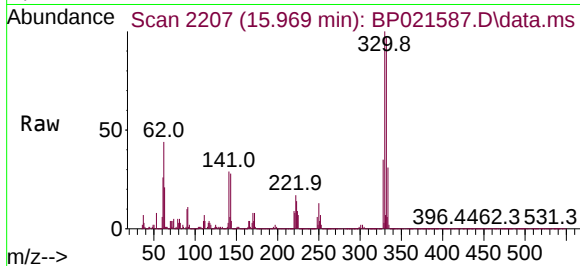




#42
2,4,6-Tribromophenol
Concen: 96.276 ng
RT: 15.969 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021587.D
Acq: 21 Aug 2024 01:19

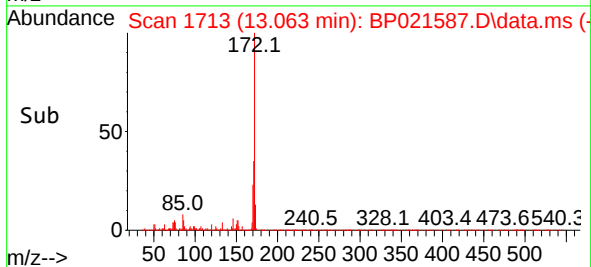
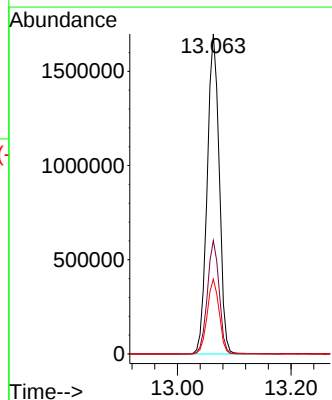
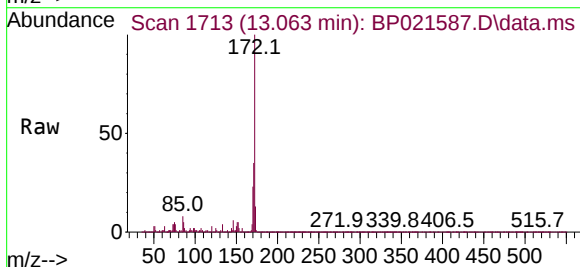
Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724RE

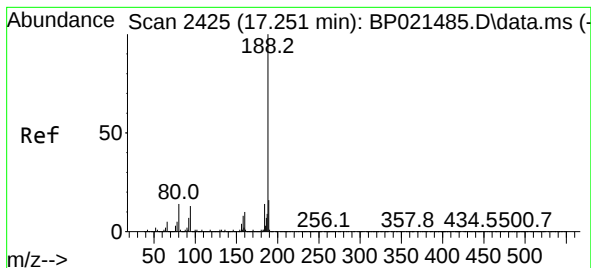
Tgt Ion:330 Resp: 966268
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 31.2 24.5 36.7



#45
2-Fluorobiphenyl
Concen: 42.099 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP021587.D
Acq: 21 Aug 2024 01:19

Tgt Ion:172 Resp: 2487535
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.4 18.4 27.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.263 min Scan# 2425

Delta R.T. 0.012 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724RE

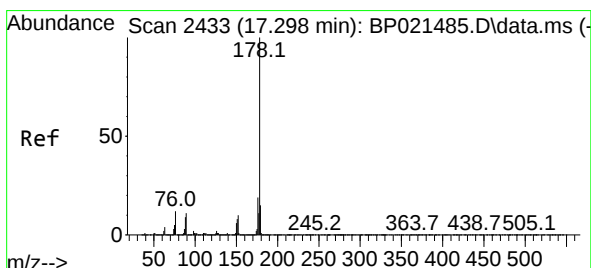
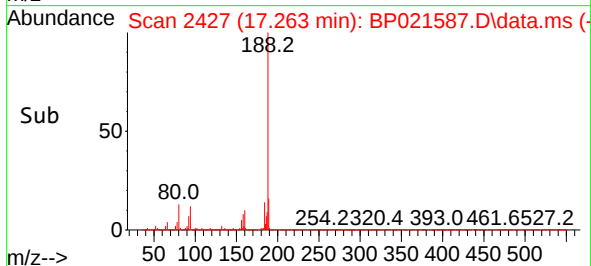
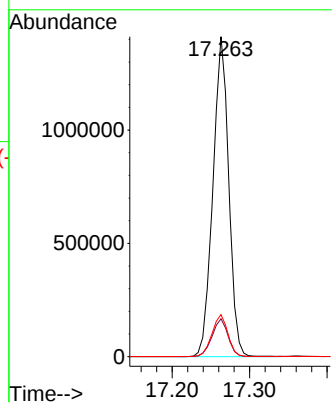
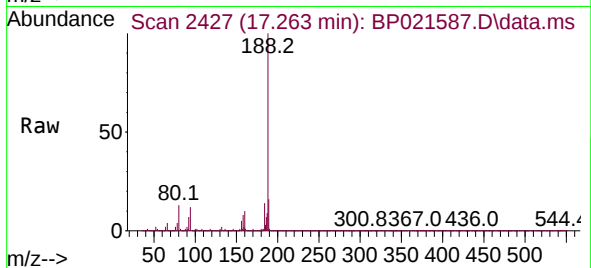
Tgt Ion:188 Resp: 1999925

Ion Ratio Lower Upper

188 100

94 11.8 10.2 15.4

80 13.1 11.6 17.4



#71

Phenanthrene

Concen: 3.110 ng

RT: 17.304 min Scan# 2434

Delta R.T. 0.006 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

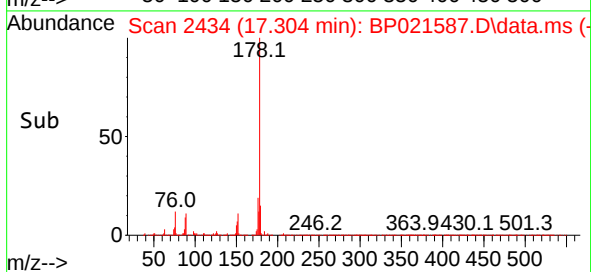
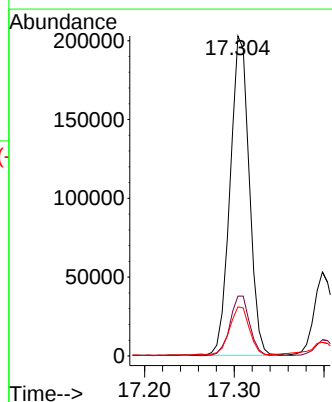
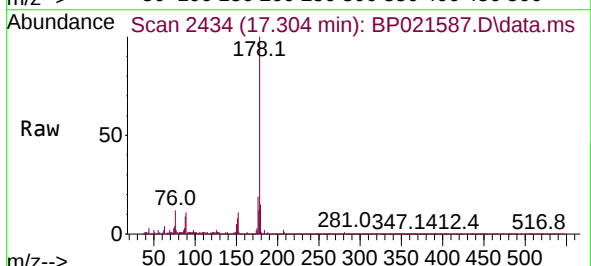
Tgt Ion:178 Resp: 299157

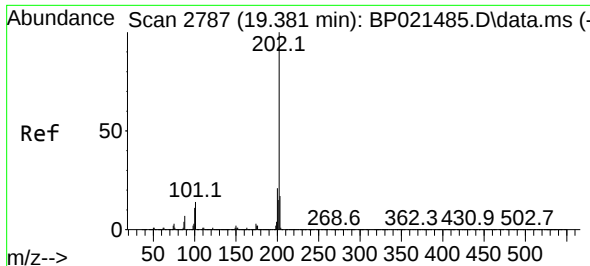
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 15.4 12.4 18.6

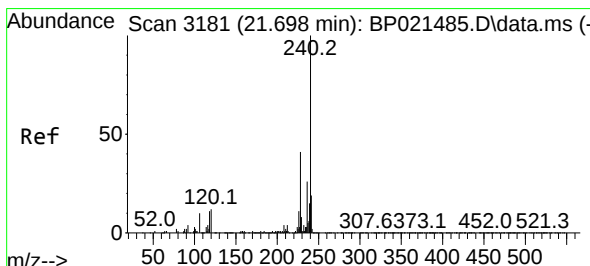
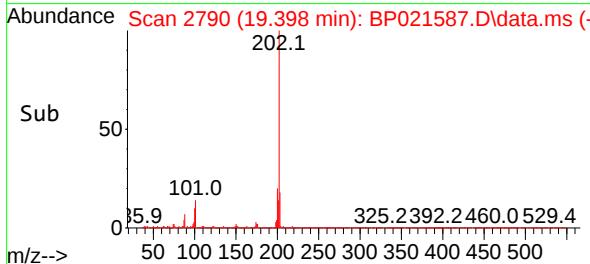
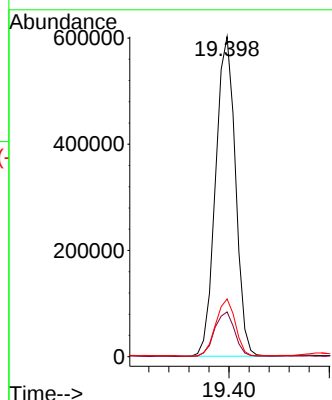
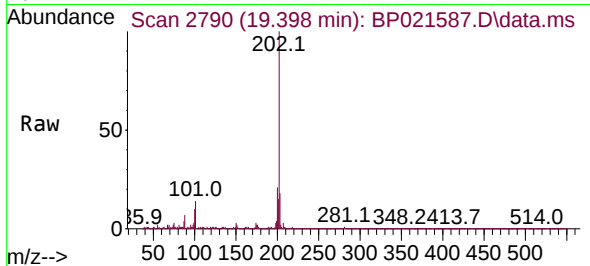




#75
Fluoranthene
Concen: 7.006 ng
RT: 19.398 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP021587.D
Acq: 21 Aug 2024 01:19

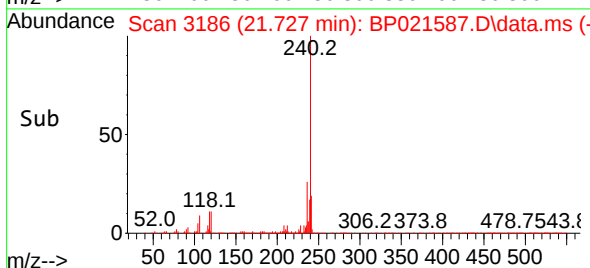
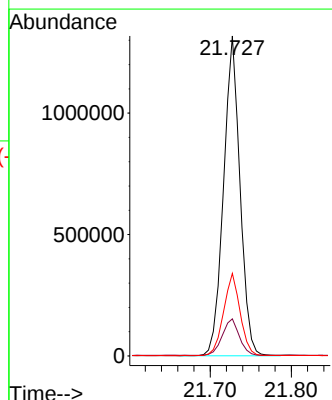
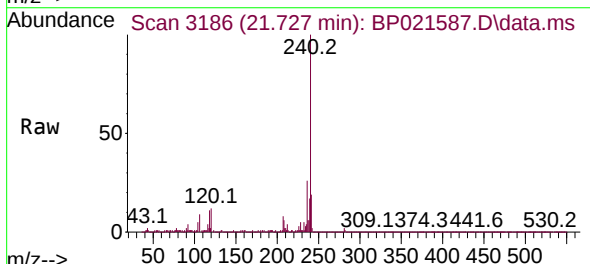
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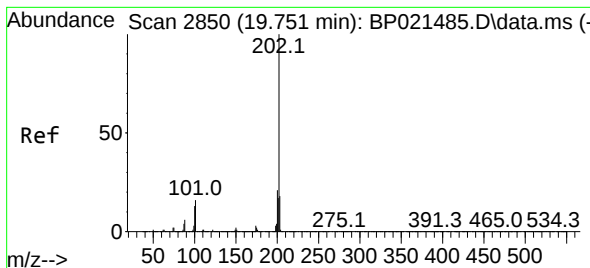
Tgt Ion:202 Resp: 826808
Ion Ratio Lower Upper
202 100
101 14.0 0.0 34.0
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.727 min Scan# 3186
Delta R.T. 0.029 min
Lab File: BP021587.D
Acq: 21 Aug 2024 01:19

Tgt Ion:240 Resp: 1856414
Ion Ratio Lower Upper
240 100
120 11.6 9.9 14.9
236 25.8 20.6 30.8





#78

Pyrene

Concen: 6.405 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.018 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724RE

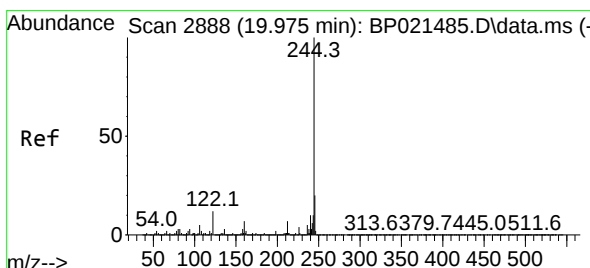
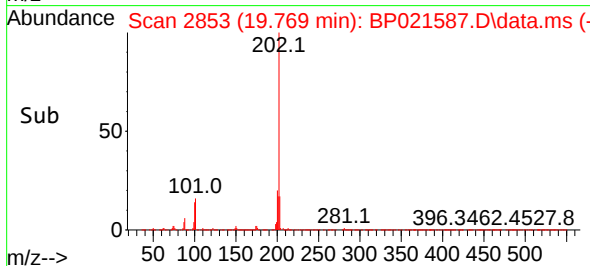
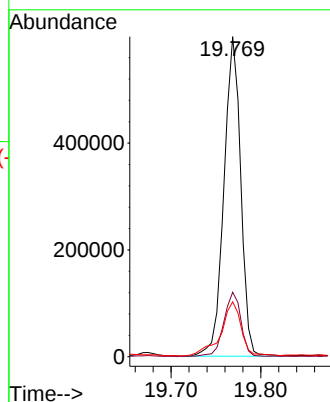
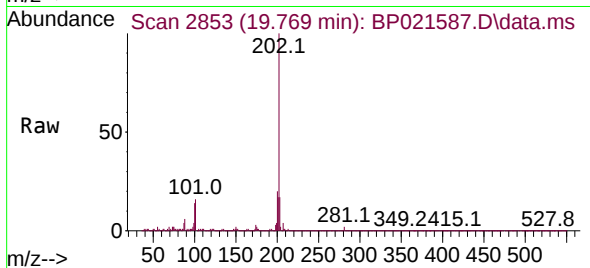
Tgt Ion:202 Resp: 777228

Ion Ratio Lower Upper

202 100

200 20.2 16.7 25.1

203 17.2 14.1 21.1



#79

Terphenyl-d14

Concen: 43.740 ng

RT: 19.980 min Scan# 2889

Delta R.T. 0.005 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

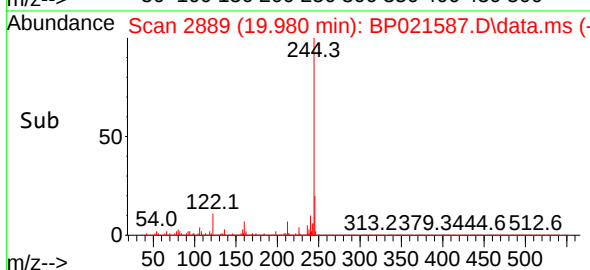
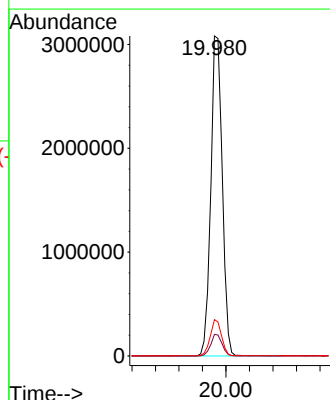
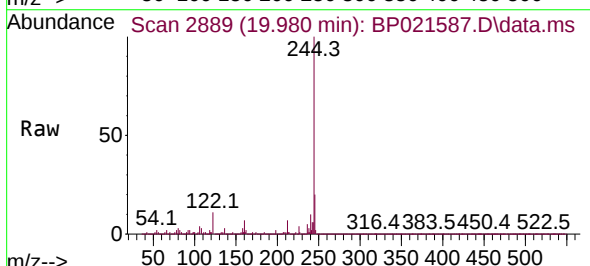
Tgt Ion:244 Resp: 4179632

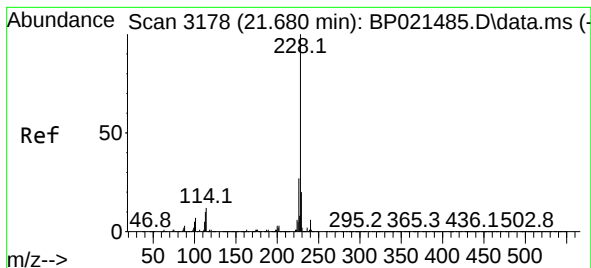
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.3 9.4 14.2





#81

Benzo(a)anthracene

Concen: 3.440 ng

RT: 21.710 min Scan# 3178

Delta R.T. 0.029 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724RE

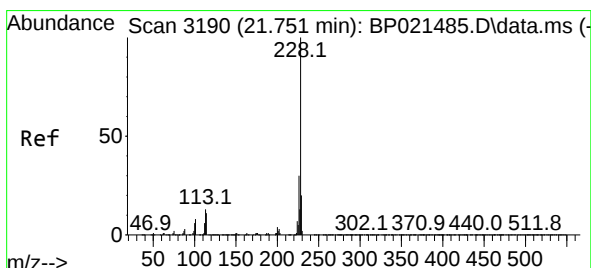
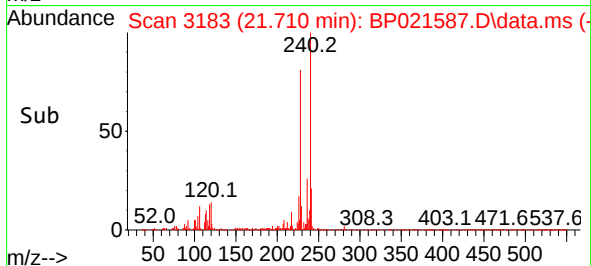
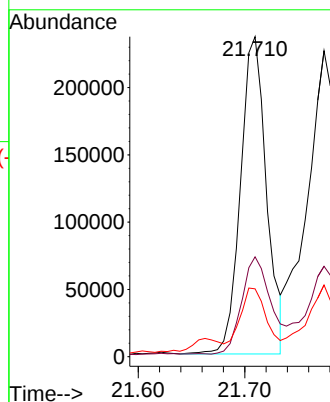
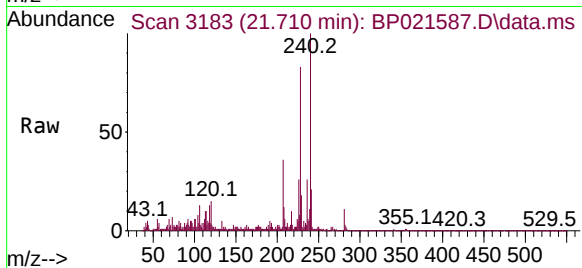
Tgt Ion:228 Resp: 400851

Ion Ratio Lower Upper

228 100

226 31.2 21.4 32.2

229 21.2 15.8 23.6



#83

Chrysene

Concen: 3.969 ng

RT: 21.774 min Scan# 3194

Delta R.T. 0.023 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

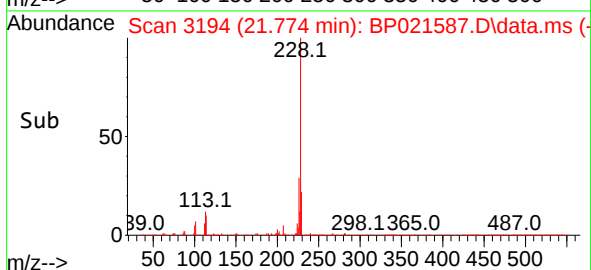
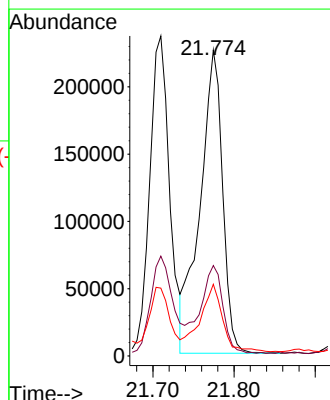
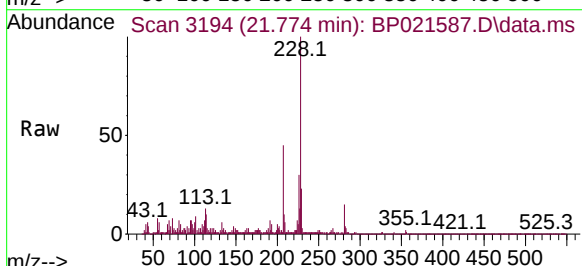
Tgt Ion:228 Resp: 436668

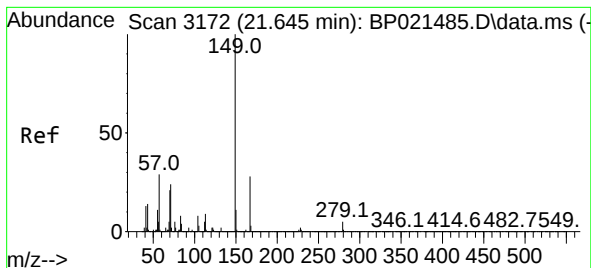
Ion Ratio Lower Upper

228 100

226 29.5 23.9 35.9

229 23.4 15.8 23.6

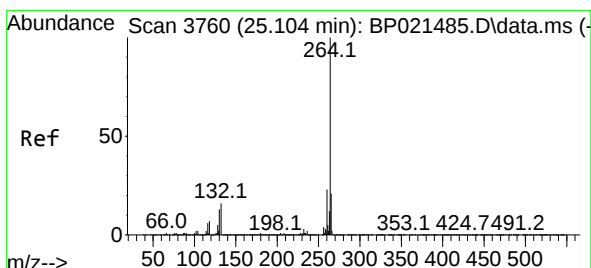
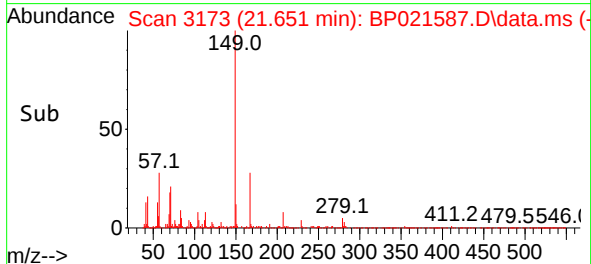
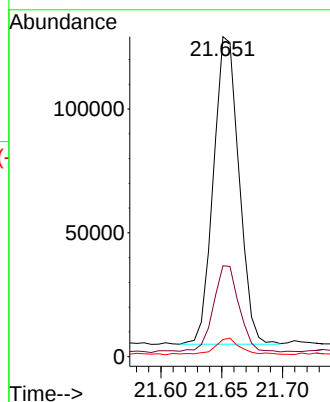
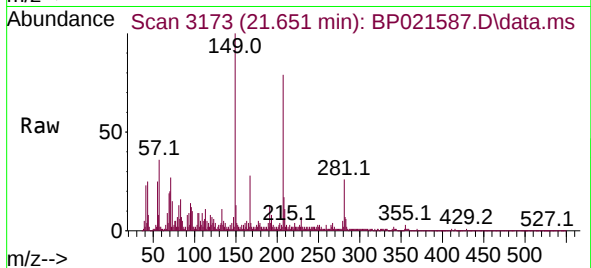




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.630 ng
 RT: 21.651 min Scan# 3172
 Delta R.T. 0.006 min
 Lab File: BP021587.D
 Acq: 21 Aug 2024 01:19

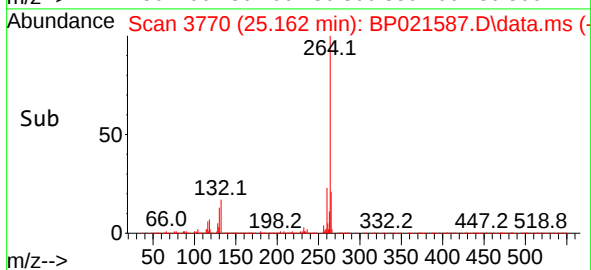
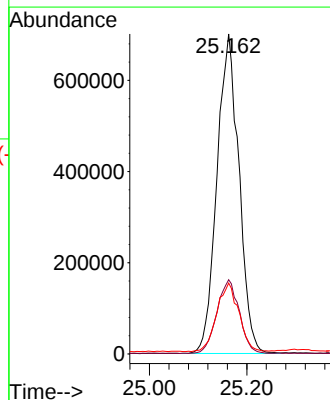
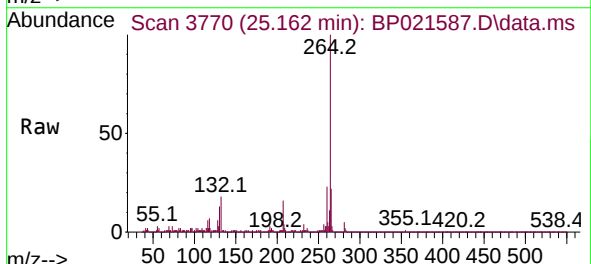
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-13-080724RE

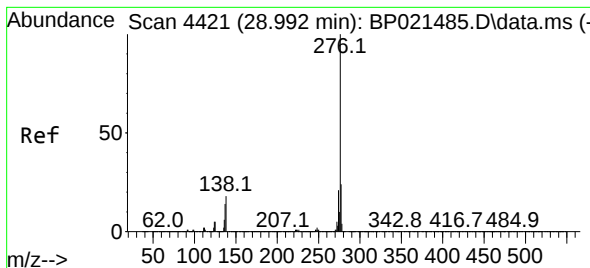
Tgt Ion:	149	Resp:	181134
Ion Ratio	Lower	Upper	
149	100		
167	28.4	22.3	33.5
279	5.4	3.8	5.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.162 min Scan# 3770
 Delta R.T. 0.059 min
 Lab File: BP021587.D
 Acq: 21 Aug 2024 01:19

Tgt Ion:	264	Resp:	2198041
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.6	28.0
265	22.2	17.1	25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.704 ng

RT: 29.056 min Scan# 4421

Delta R.T. 0.065 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724RE

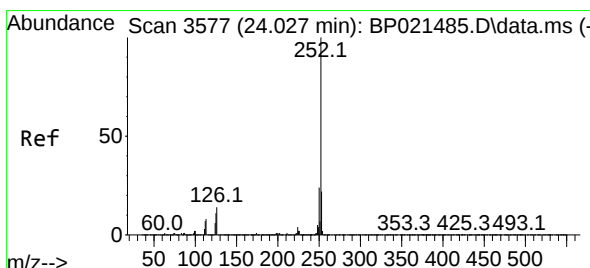
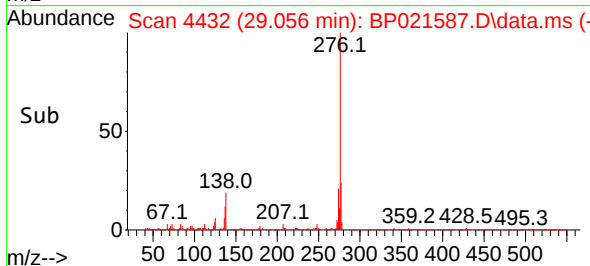
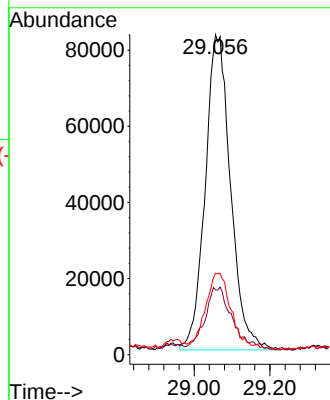
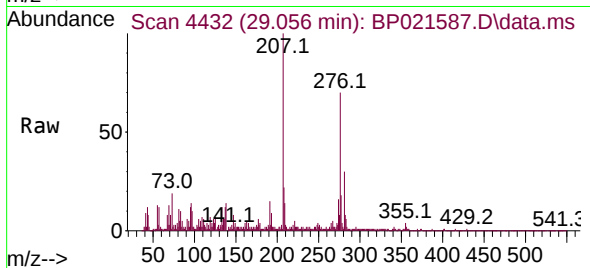
Tgt Ion:276 Resp: 385241

Ion Ratio Lower Upper

276 100

138 21.9 12.8 19.2#

277 25.4 16.5 24.7#



#88

Benzo(b)fluoranthene

Concen: 5.519 ng

RT: 24.068 min Scan# 3584

Delta R.T. 0.041 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

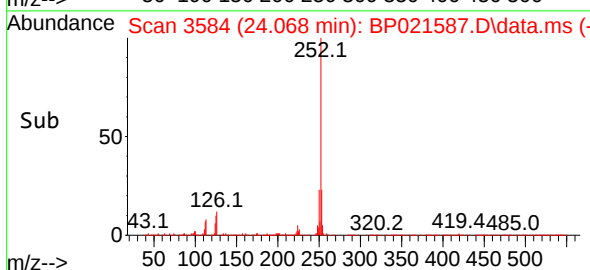
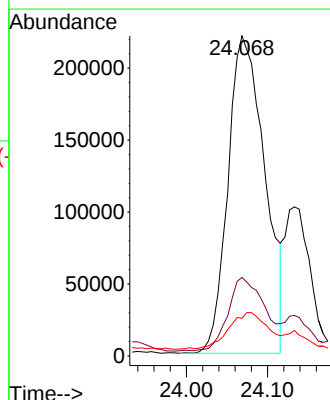
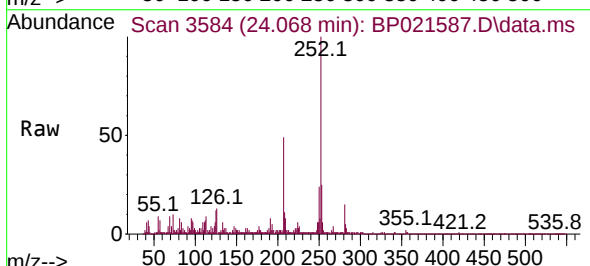
Tgt Ion:252 Resp: 696689

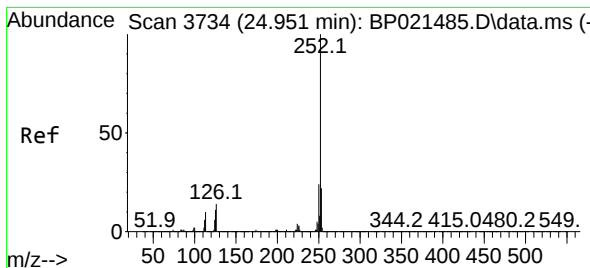
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 11.8 8.6 13.0





#90

Benzo(a)pyrene

Concen: 4.249 ng

RT: 24.986 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724RE

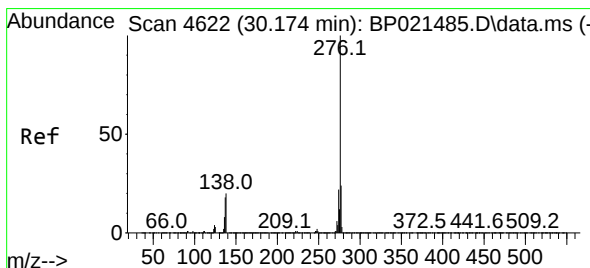
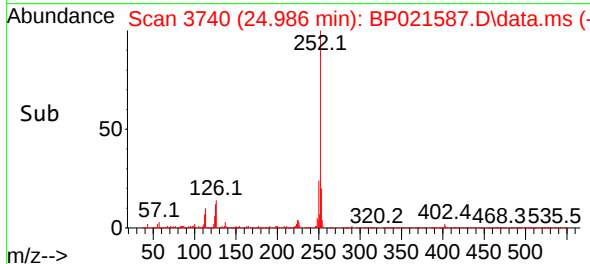
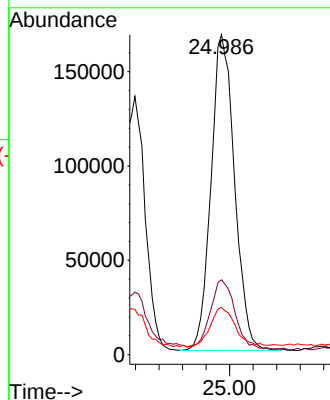
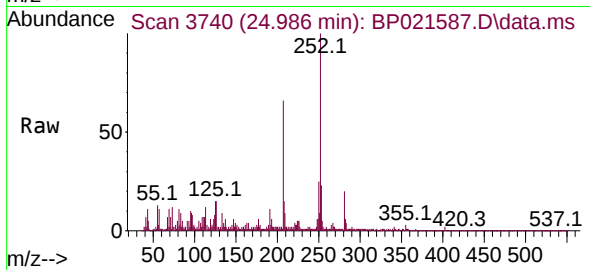
Tgt Ion:252 Resp: 465479

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 14.8 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 3.321 ng

RT: 30.280 min Scan# 4640

Delta R.T. 0.106 min

Lab File: BP021587.D

Acq: 21 Aug 2024 01:19

Tgt Ion:276 Resp: 394111

Ion Ratio Lower Upper

276 100

277 24.9 19.0 28.6

138 20.6 16.0 24.0

