

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
 Data File : BP021560.D
 Acq On : 19 Aug 2024 19:37
 Operator : RC/JU
 Sample : P3518-25
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Aug 20 00:08:37 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)

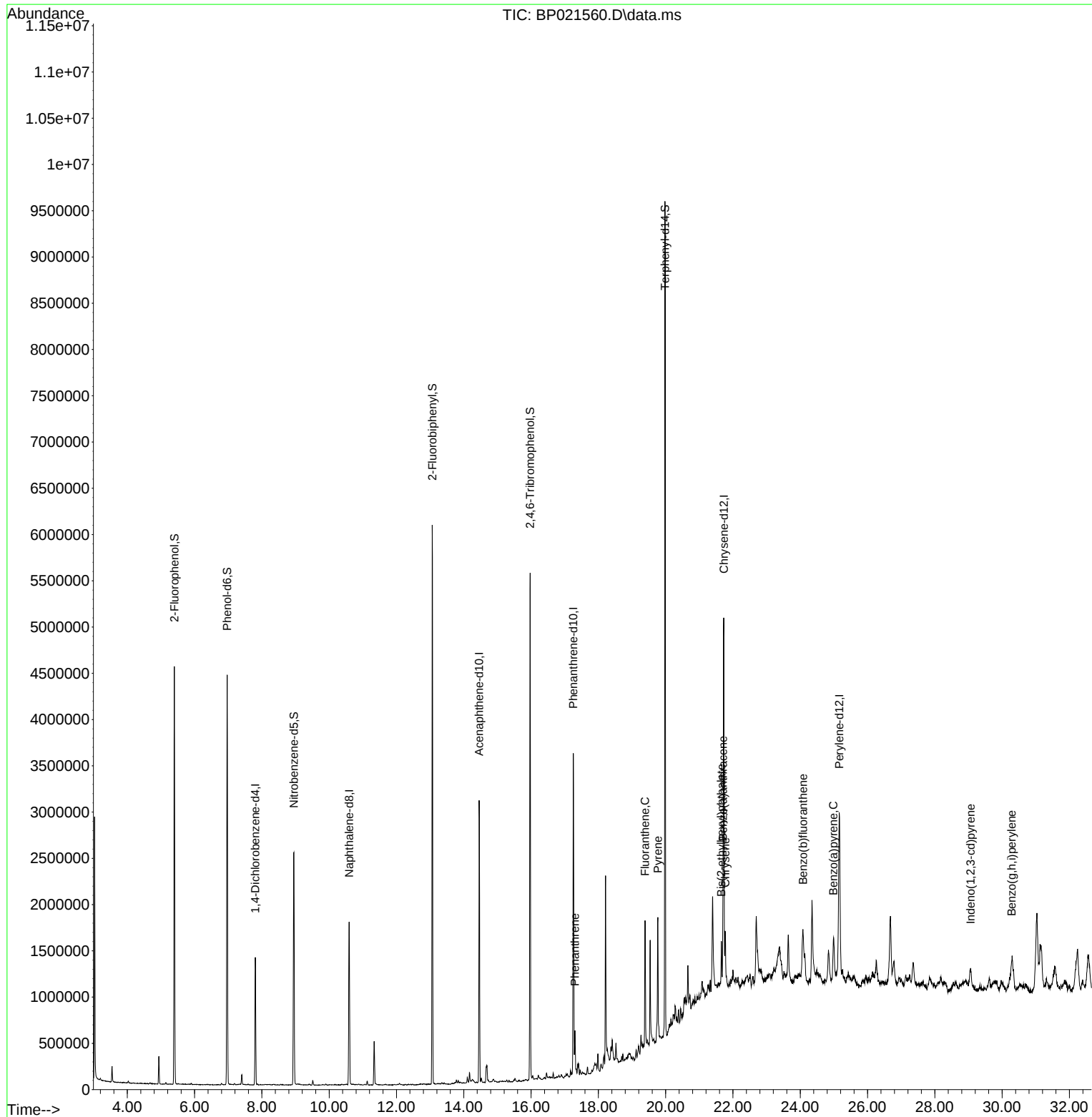
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	368873	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1549880	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	1017895	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2139035	20.000	ng	0.00
76) Chrysene-d12	21.727	240	1871324	20.000	ng	0.03
86) Perylene-d12	25.162	264	2176723	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1992109	80.190	ng	0.00
7) Phenol-d6	6.969	99	2910880	80.324	ng	0.00
23) Nitrobenzene-d5	8.951	82	1742208	58.020	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	1055971	93.211	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2828601	42.410	ng	0.00
79) Terphenyl-d14	19.980	244	4264666	44.274	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.304	178	322414	3.134	ng	99
75) Fluoranthene	19.386	202	847361	6.713	ng	99
78) Pyrene	19.769	202	785463	6.422	ng	100
81) Benzo(a)anthracene	21.704	228	402665	3.428	ng	95
83) Chrysene	21.774	228	436764	3.938	ng	98
84) Bis(2-ethylhexyl)phtha...	21.657	149	192269	2.769	ng	98
87) Indeno(1,2,3-cd)pyrene	29.068	276	381520	2.704	ng	# 87
88) Benzo(b)fluoranthene	24.080	252	686462	5.491	ng	# 94
90) Benzo(a)pyrene	24.986	252	456291	4.206	ng	# 94
92) Benzo(g,h,i)perylene	30.286	276	385148	3.278	ng	96

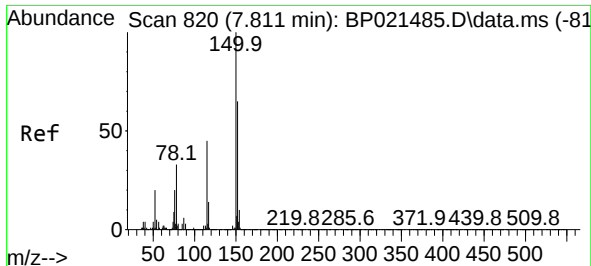
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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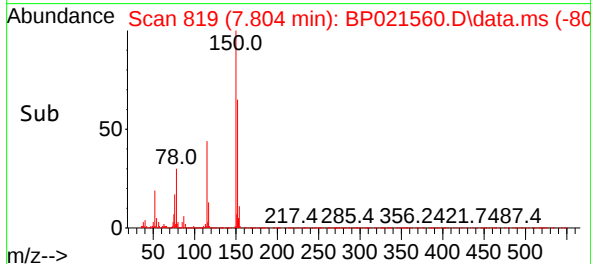
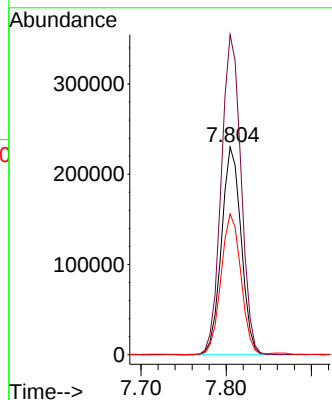
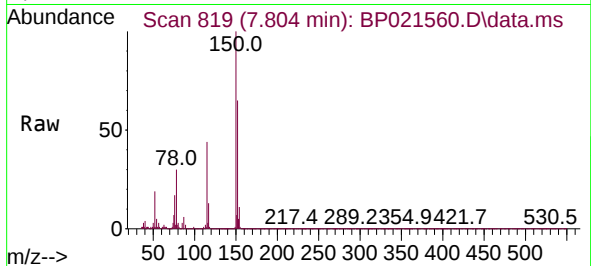




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

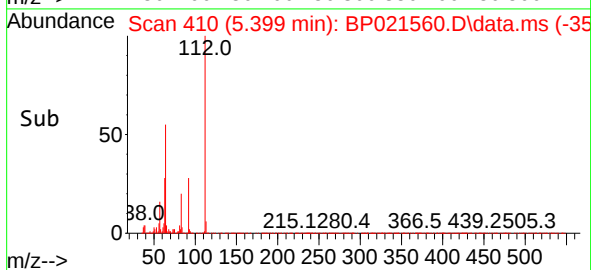
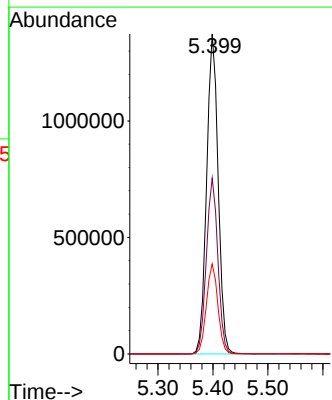
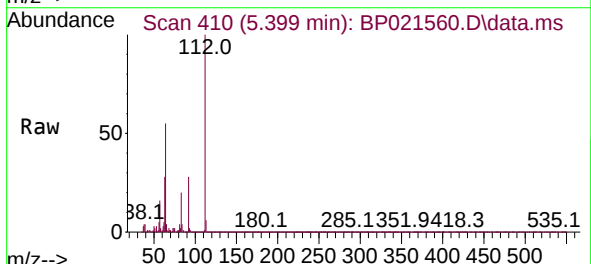
Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724

Tgt Ion:152 Resp: 368873
Ion Ratio Lower Upper
152 100
150 154.0 122.4 183.6
115 67.8 54.7 82.1



#5
2-Fluorophenol
Concen: 80.190 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:112 Resp: 1992109
Ion Ratio Lower Upper
112 100
64 55.0 49.0 73.6
63 28.2 24.6 36.8

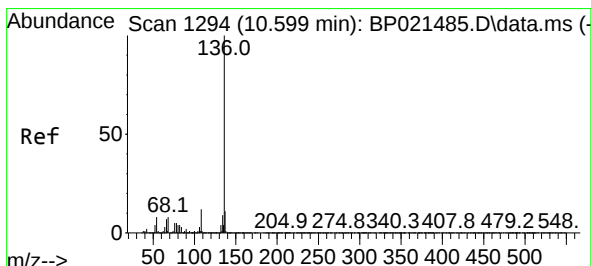
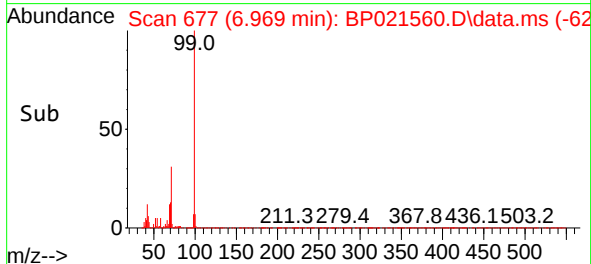
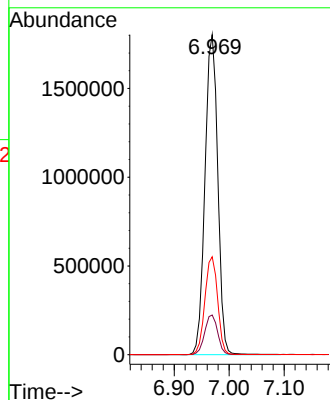
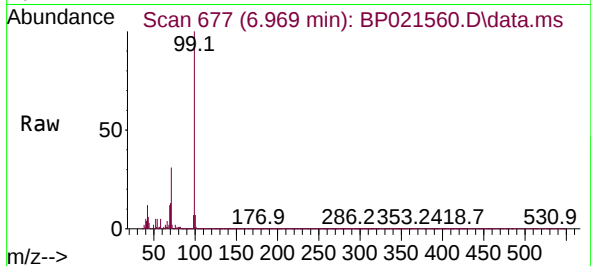




#7
Phenol-d6
Concen: 80.324 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

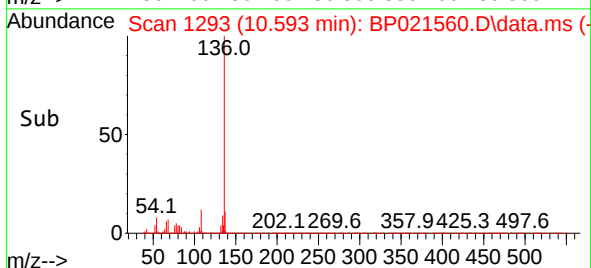
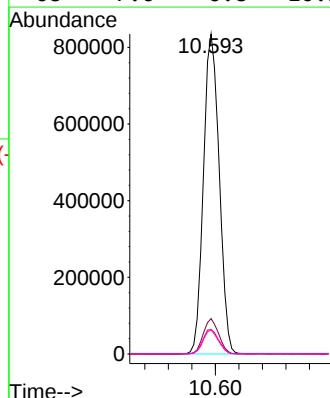
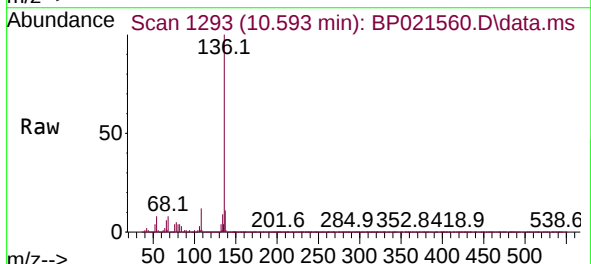
Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724

Tgt Ion: 99 Resp: 2910880
Ion Ratio Lower Upper
99 100
42 12.4 10.2 15.4
71 30.6 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: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:136 Resp: 1549880
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.7 6.3 9.5
68 7.6 6.8 10.2

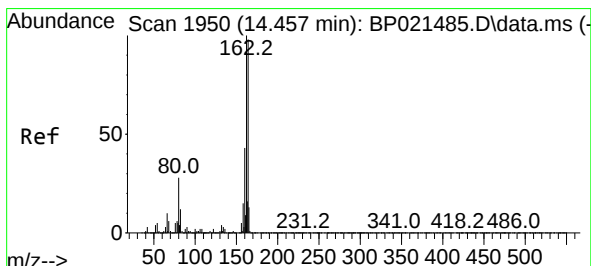
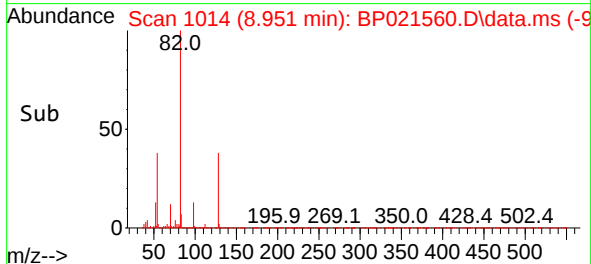
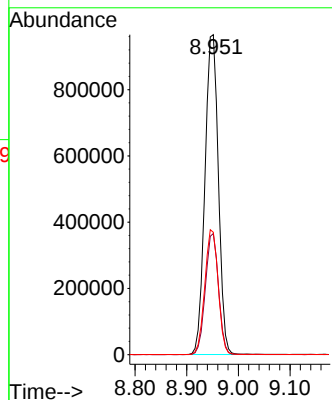
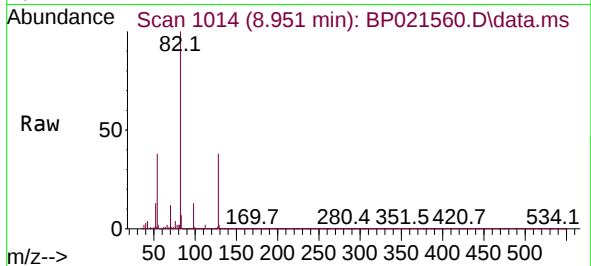




#23
Nitrobenzene-d5
Concen: 58.020 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

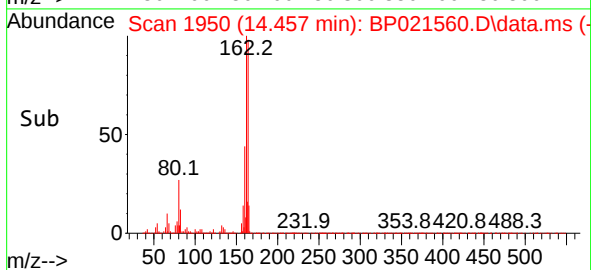
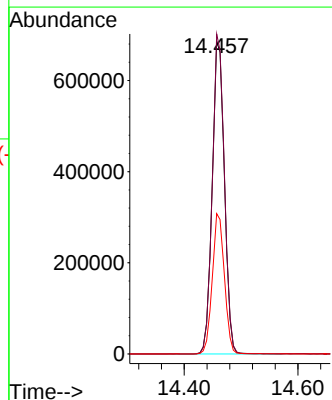
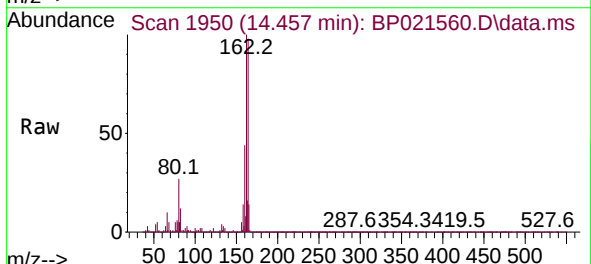
Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724

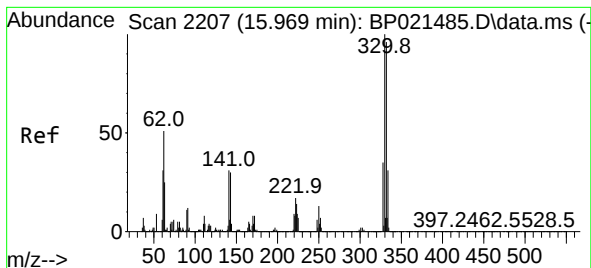
Tgt Ion: 82 Resp: 1742208
Ion Ratio Lower Upper
82 100
128 37.9 26.5 39.7
54 38.3 30.3 45.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:164 Resp: 1017895
Ion Ratio Lower Upper
164 100
162 102.3 81.5 122.3
160 44.9 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 93.211 ng

RT: 15.975 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

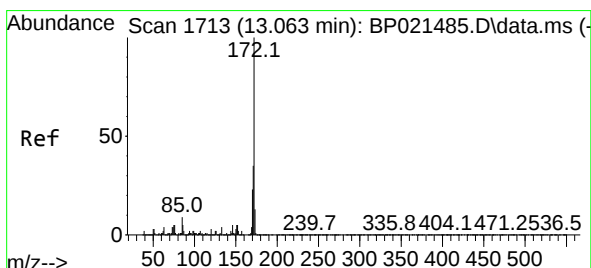
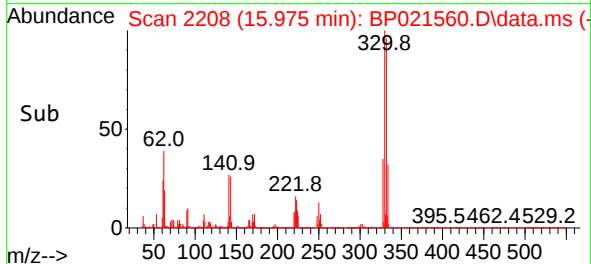
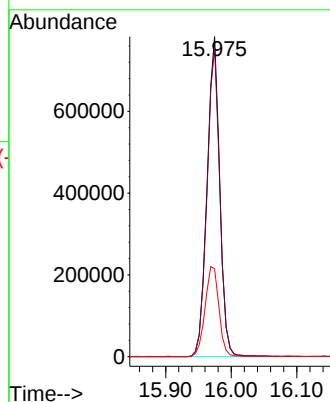
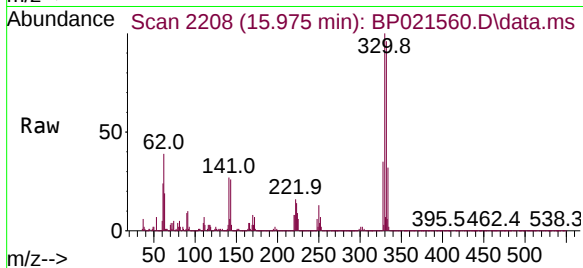
Tgt Ion:330 Resp: 1055971

Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.0

141 30.5 24.5 36.7



#45

2-Fluorobiphenyl

Concen: 42.410 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

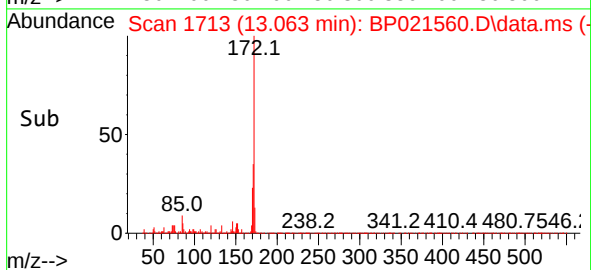
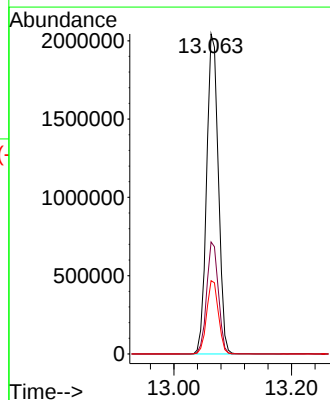
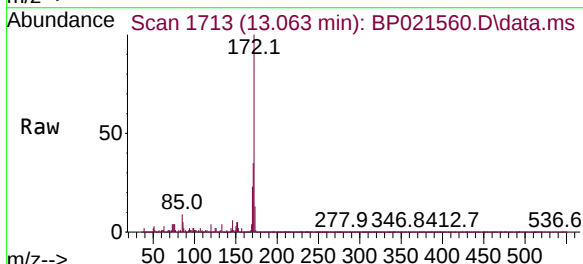
Tgt Ion:172 Resp: 2828601

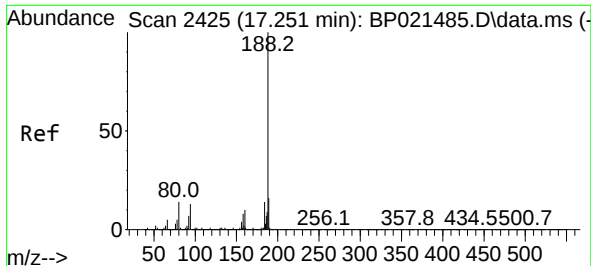
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.9 18.4 27.6

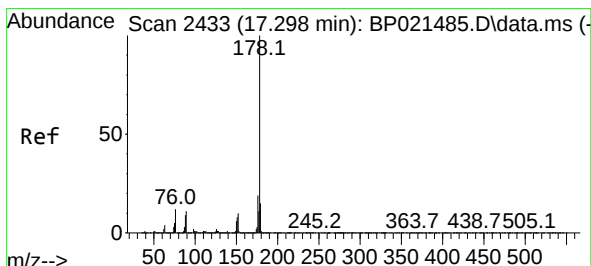
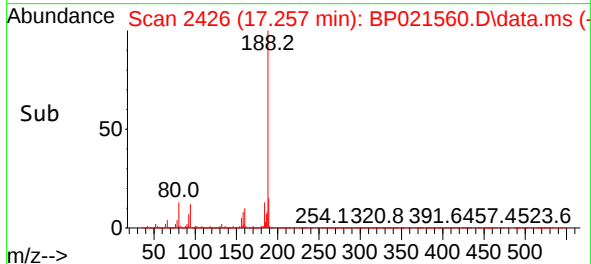
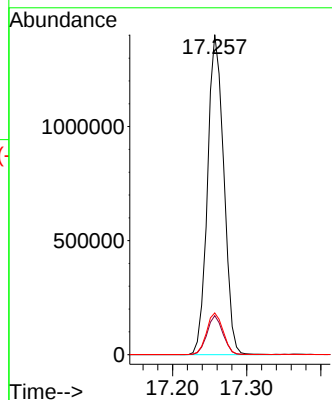
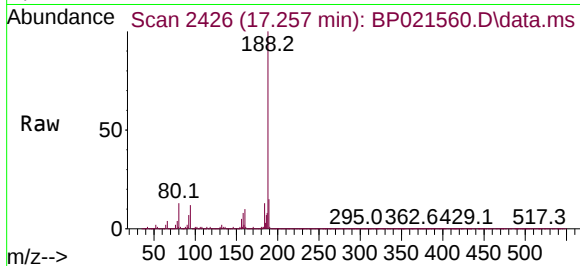




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

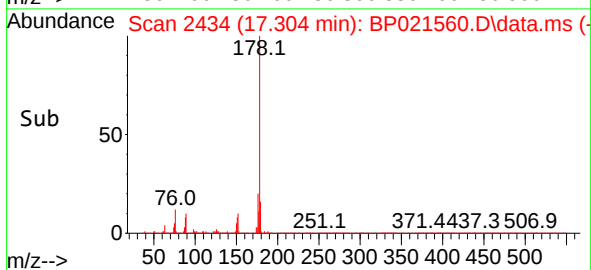
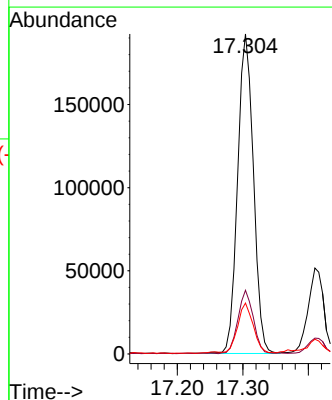
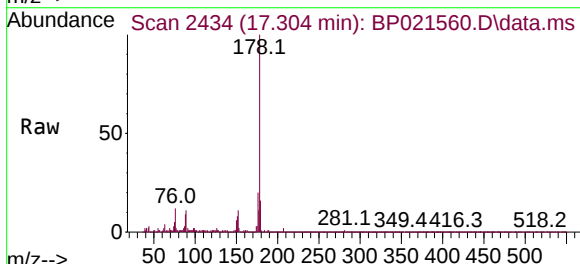
Instrument :
BNA_P
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OU4-TS-13-080724

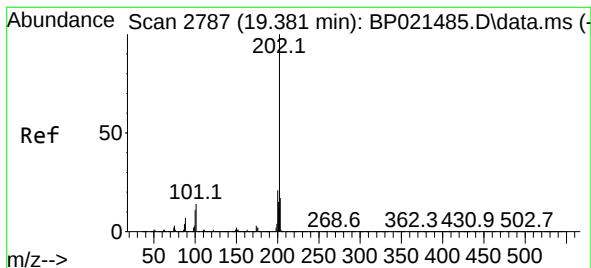
Tgt Ion:188 Resp: 2139035
Ion Ratio Lower Upper
188 100
94 12.2 10.2 15.4
80 13.1 11.6 17.4



#71
Phenanthrene
Concen: 3.134 ng
RT: 17.304 min Scan# 2434
Delta R.T. 0.006 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:178 Resp: 322414
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 15.9 12.4 18.6





#75

Fluoranthene

Concen: 6.713 ng

RT: 19.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

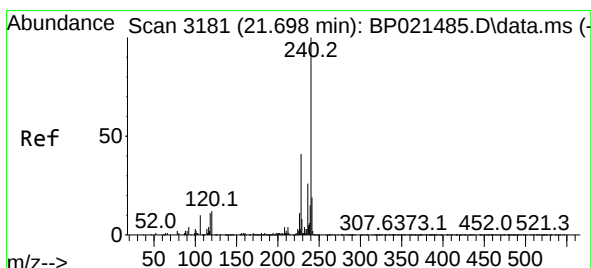
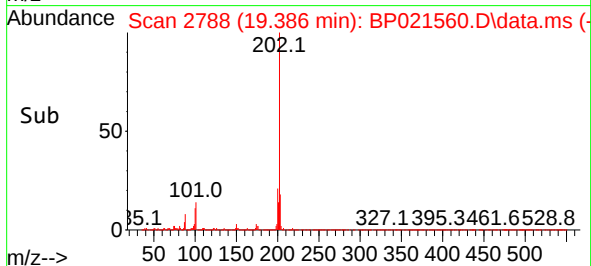
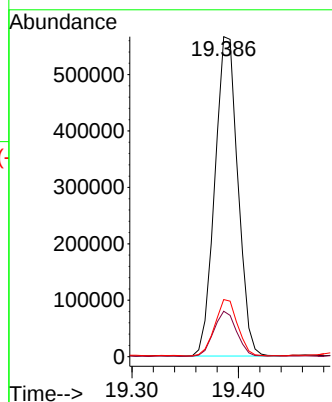
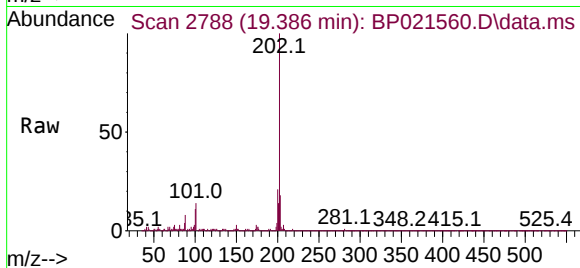
Tgt Ion:202 Resp: 847361

Ion Ratio Lower Upper

202 100

101 14.2 0.0 34.0

203 17.8 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: BP021560.D

Acq: 19 Aug 2024 19:37

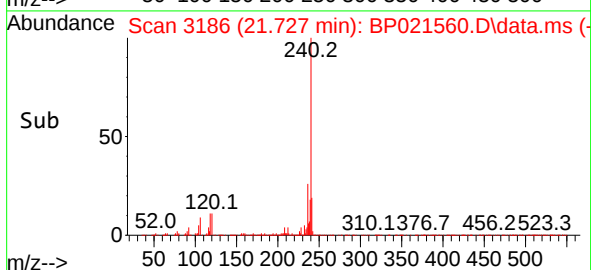
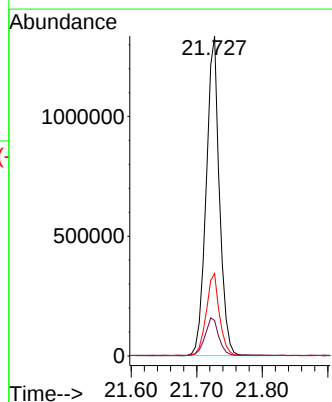
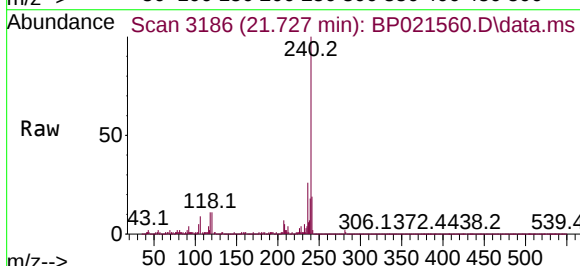
Tgt Ion:240 Resp: 1871324

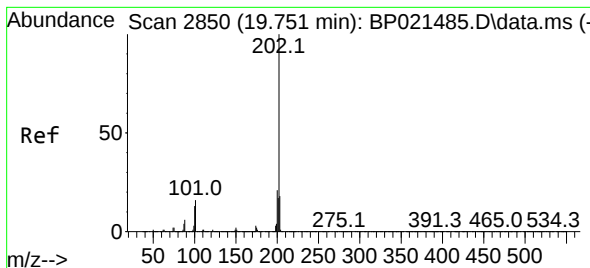
Ion Ratio Lower Upper

240 100

120 11.1 9.9 14.9

236 25.8 20.6 30.8





#78

Pyrene

Concen: 6.422 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.017 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

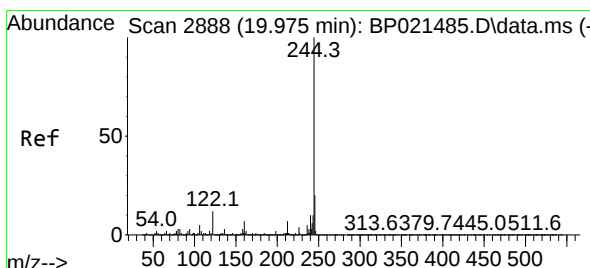
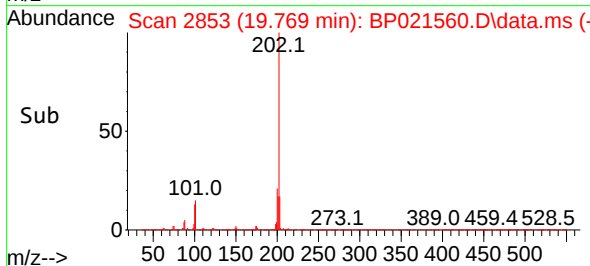
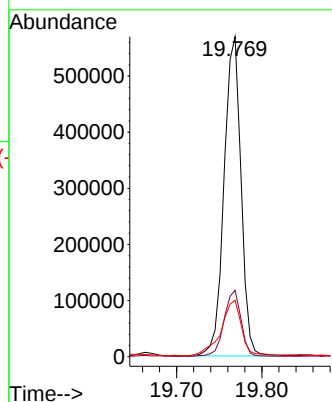
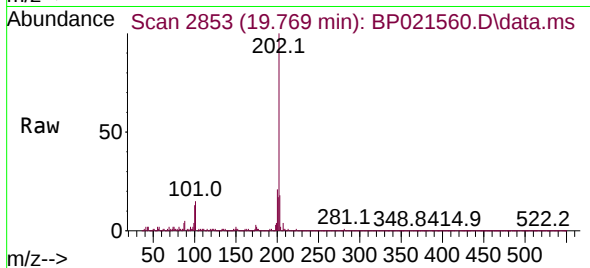
Tgt Ion:202 Resp: 785463

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.6 14.1 21.1



#79

Terphenyl-d14

Concen: 44.274 ng

RT: 19.980 min Scan# 2889

Delta R.T. 0.005 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

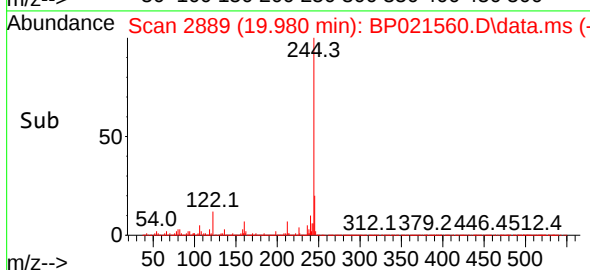
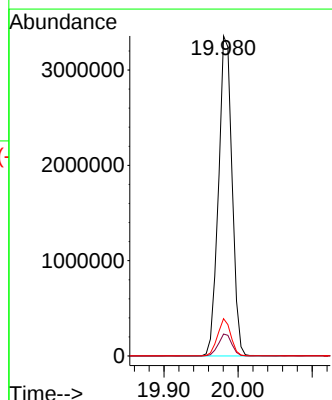
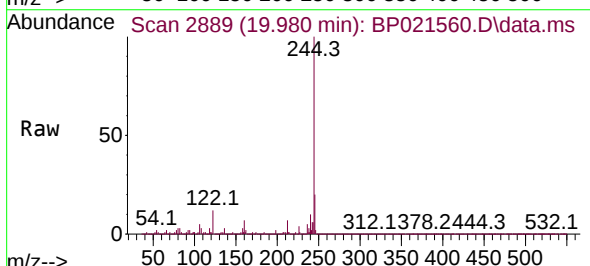
Tgt Ion:244 Resp: 4264666

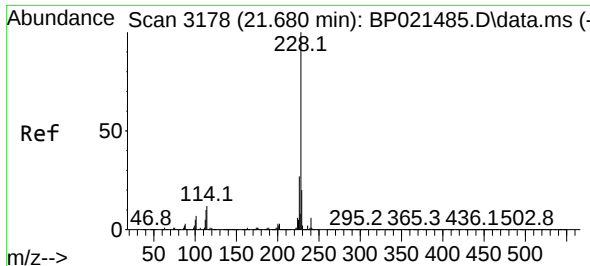
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 11.7 9.4 14.2

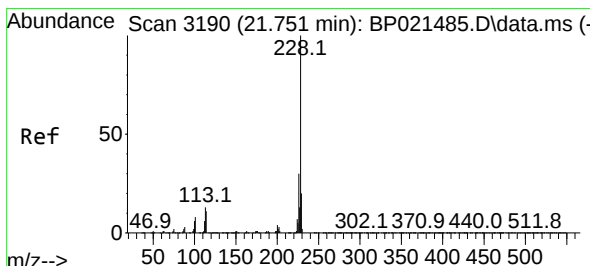
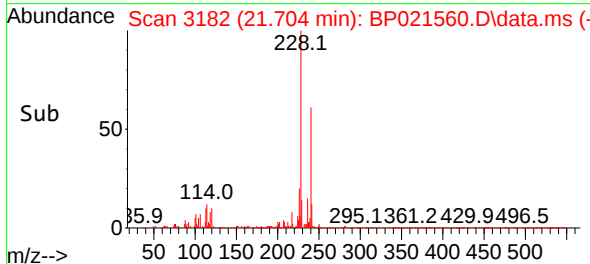
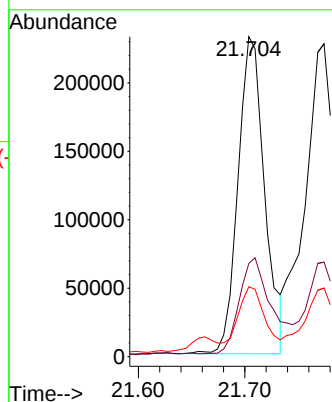
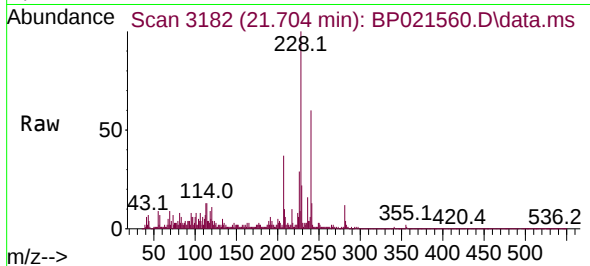




#81
Benzo(a)anthracene
Concen: 3.428 ng
RT: 21.704 min Scan# 3178
Delta R.T. 0.023 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

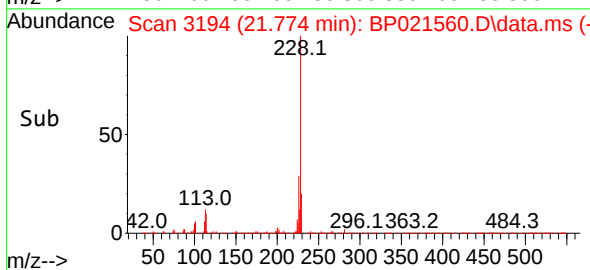
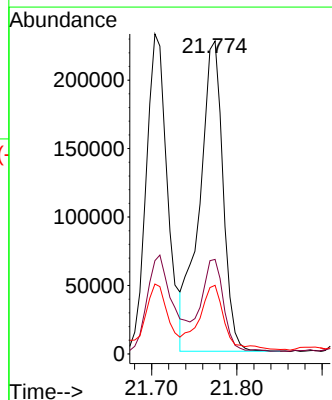
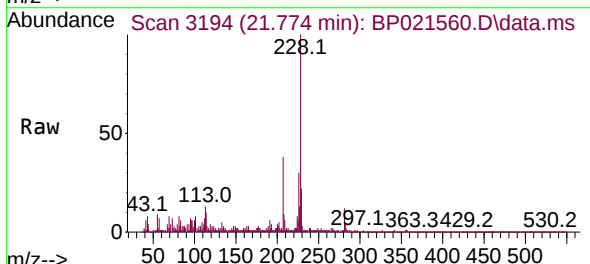
Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724

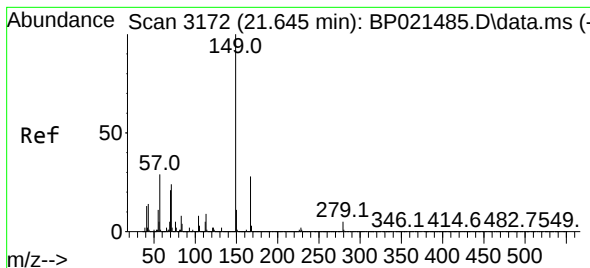
Tgt Ion:228 Resp: 402665
Ion Ratio Lower Upper
228 100
226 29.2 21.4 32.2
229 21.9 15.8 23.6



#83
Chrysene
Concen: 3.938 ng
RT: 21.774 min Scan# 3194
Delta R.T. 0.023 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:228 Resp: 436764
Ion Ratio Lower Upper
228 100
226 30.2 23.9 35.9
229 21.9 15.8 23.6

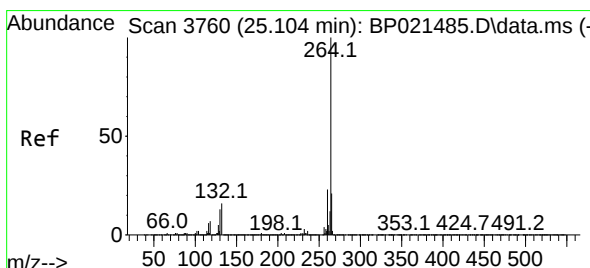
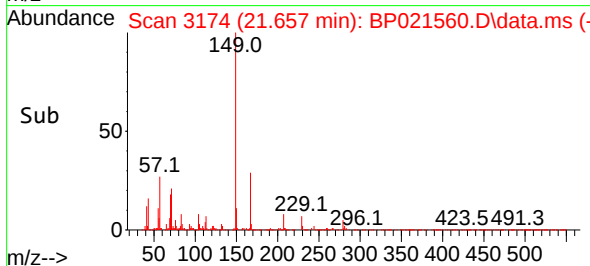
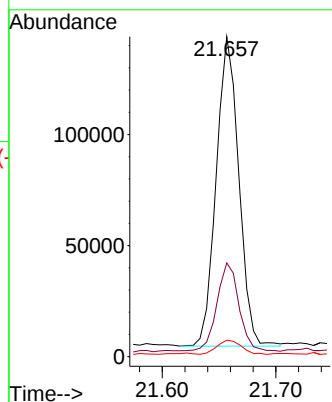
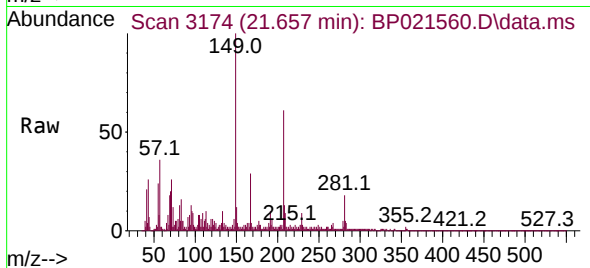




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.769 ng
 RT: 21.657 min Scan# 3174
 Delta R.T. 0.012 min
 Lab File: BP021560.D
 Acq: 19 Aug 2024 19:37

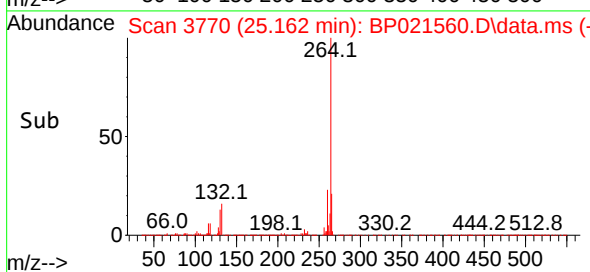
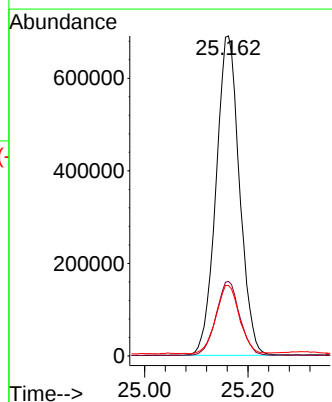
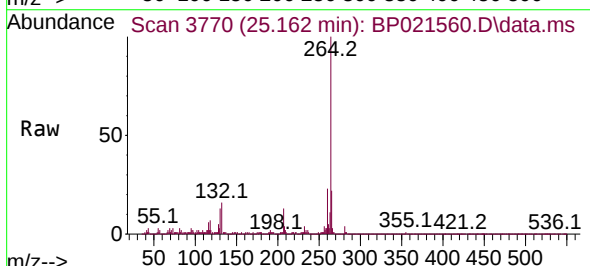
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-13-080724

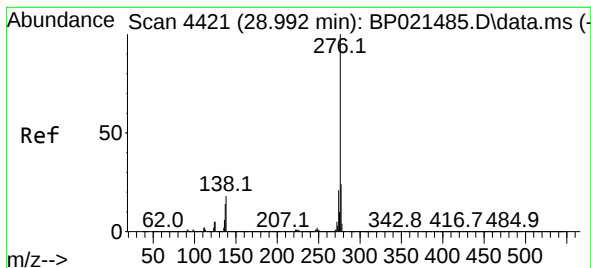
Tgt Ion:	149	Resp:	192269
Ion Ratio	Lower	Upper	
149	100		
167	29.3	22.3	33.5
279	5.2	3.8	5.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.162 min Scan# 3770
 Delta R.T. 0.059 min
 Lab File: BP021560.D
 Acq: 19 Aug 2024 19:37

Tgt Ion:	264	Resp:	2176723
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.6	28.0
265	22.0	17.1	25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.704 ng

RT: 29.068 min Scan# 4421

Delta R.T. 0.076 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

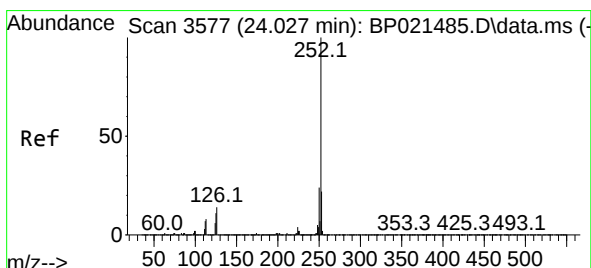
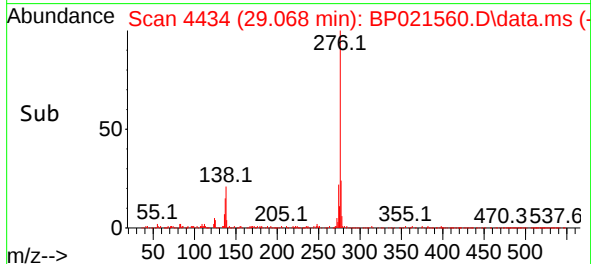
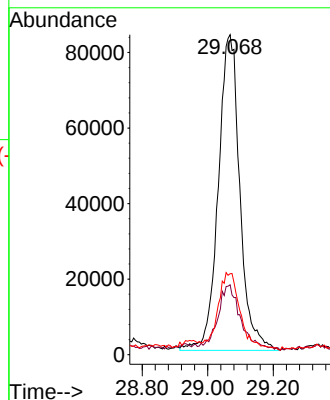
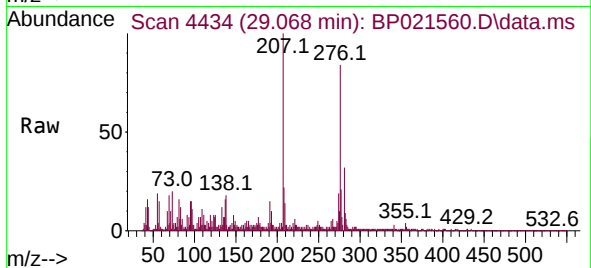
Tgt Ion:276 Resp: 381520

Ion Ratio Lower Upper

276 100

138 22.4 12.8 19.2#

277 25.7 16.5 24.7#



#88

Benzo(b)fluoranthene

Concen: 5.491 ng

RT: 24.080 min Scan# 3586

Delta R.T. 0.053 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

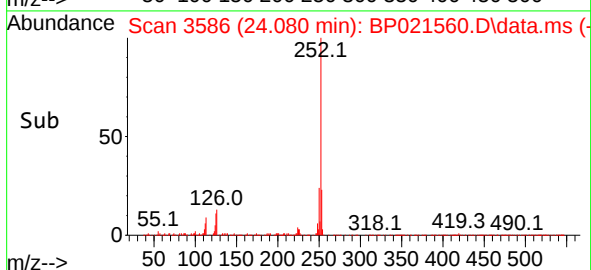
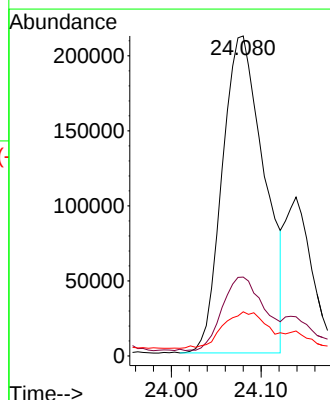
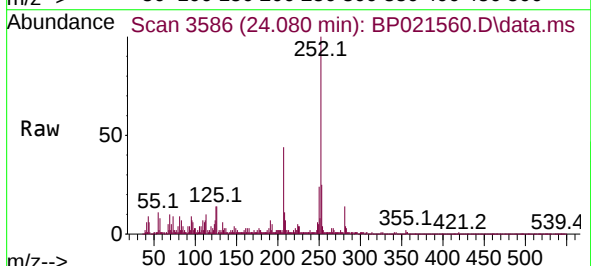
Tgt Ion:252 Resp: 686462

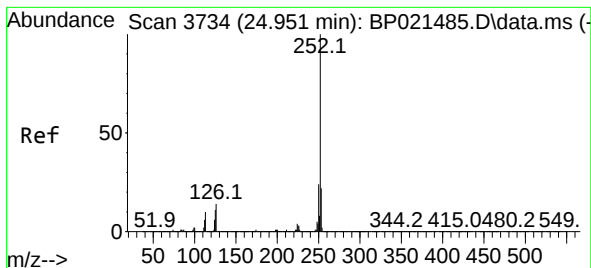
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 13.8 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 4.206 ng

RT: 24.986 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

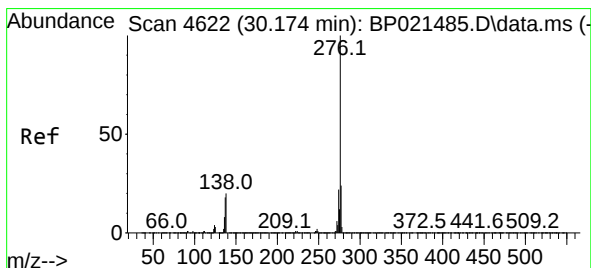
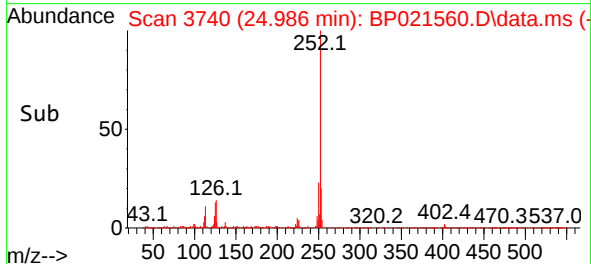
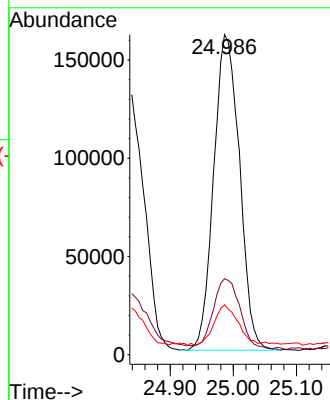
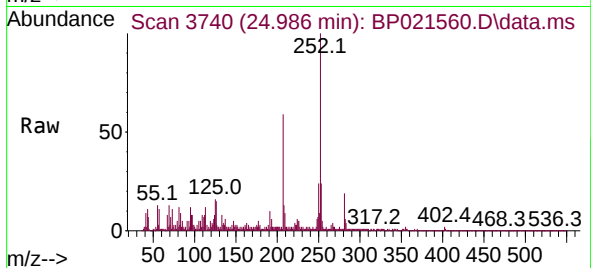
Tgt Ion:252 Resp: 456291

Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 15.6 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 3.278 ng

RT: 30.286 min Scan# 4641

Delta R.T. 0.112 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Tgt Ion:276 Resp: 385148

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.6

138 22.2 16.0 24.0

