

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081624\
 Data File : BP021542.D
 Acq On : 16 Aug 2024 16:38
 Operator : RC/JU
 Sample : P3518-09RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-05-080724RE

Quant Time: Aug 16 17:11:29 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)

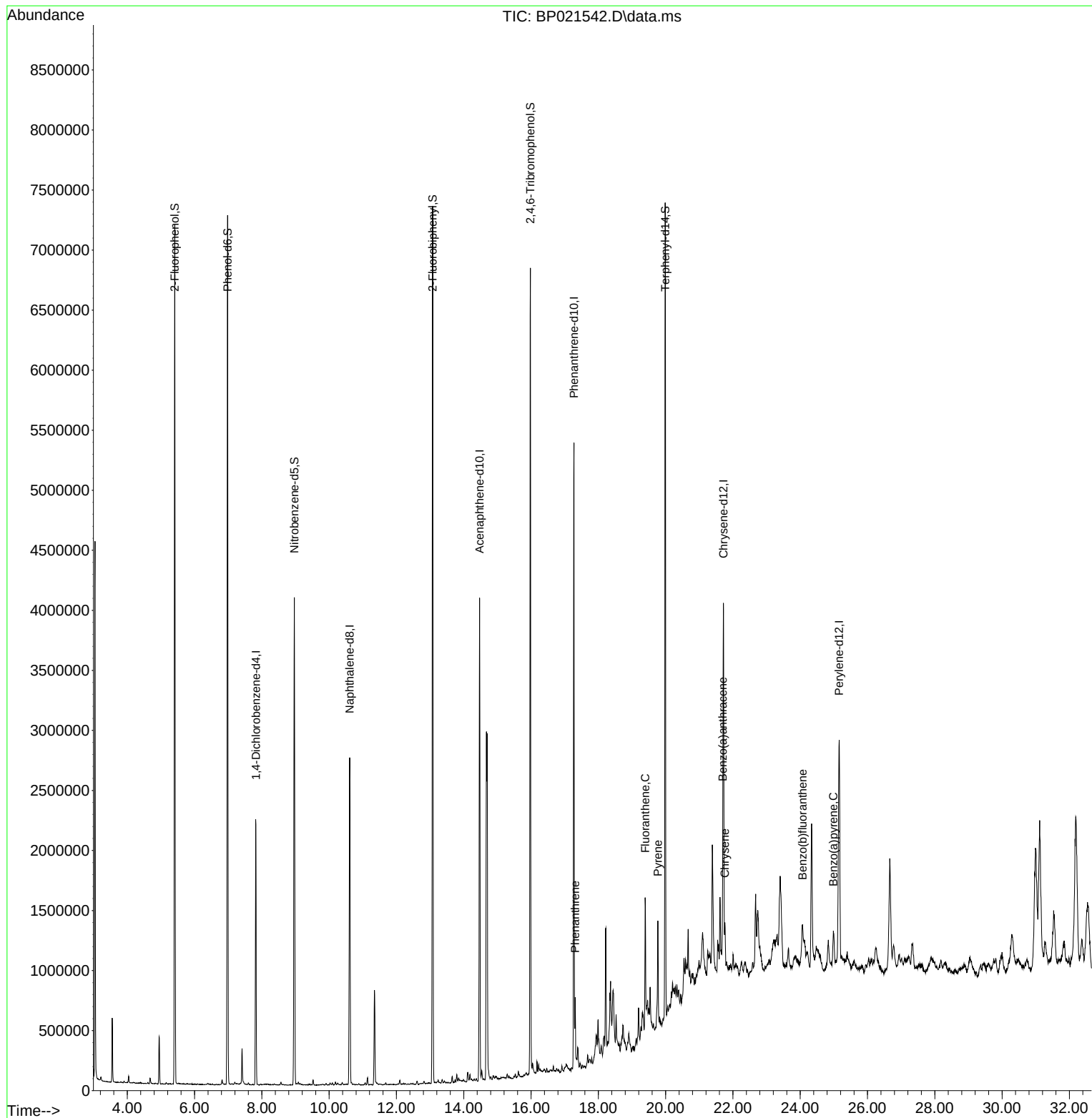
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	582834	20.000	ng	0.01
21) Naphthalene-d8	10.610	136	2442333	20.000	ng	0.01
39) Acenaphthene-d10	14.469	164	1540337	20.000	ng	0.01
64) Phenanthrene-d10	17.275	188	2738628	20.000	ng	0.02
76) Chrysene-d12	21.716	240	1670991	20.000	ng	0.02
86) Perylene-d12	25.157	264	2090847	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	3199850	81.521	ng	0.02
7) Phenol-d6	6.981	99	4621031	80.704	ng	0.02
23) Nitrobenzene-d5	8.963	82	2743648	57.983	ng	0.01
42) 2,4,6-Tribromophenol	15.981	330	1364596	79.599	ng	0.01
45) 2-Fluorobiphenyl	13.075	172	4048122	40.109	ng	0.01
79) Terphenyl-d14	19.986	244	3866216	44.949	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	17.310	178	319431	2.425	ng	100
75) Fluoranthene	19.392	202	639587	3.958	ng	98
78) Pyrene	19.769	202	561355	5.140	ng	99
81) Benzo(a)anthracene	21.698	228	255047	2.431	ng	94
83) Chrysene	21.763	228	282902	2.856	ng	97
88) Benzo(b)fluoranthene	24.069	252	414535	3.452	ng	# 96
90) Benzo(a)pyrene	24.986	252	276306	2.651	ng	# 91

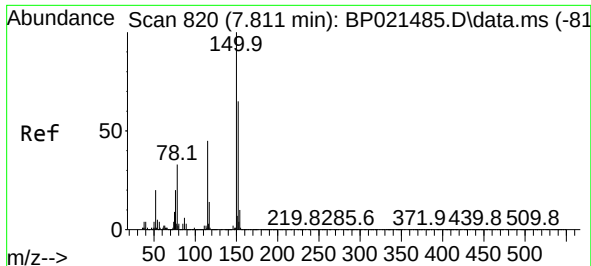
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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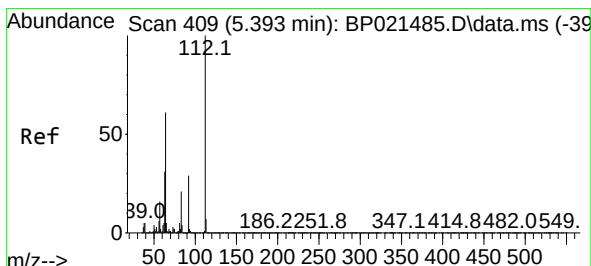
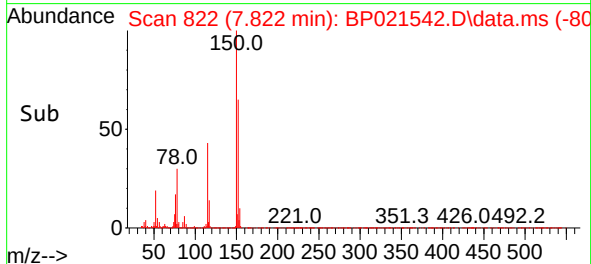
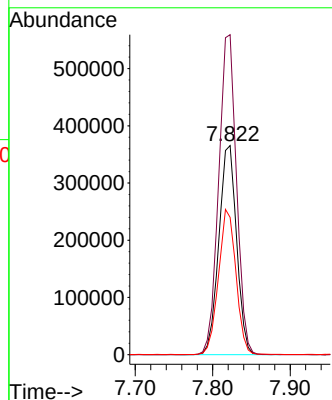
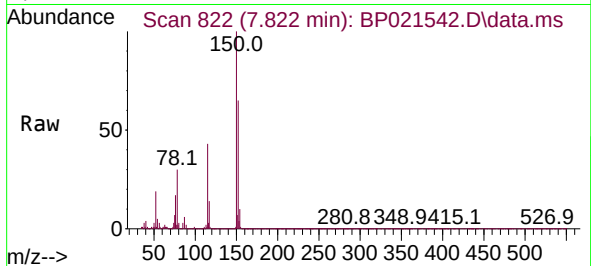




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. 0.011 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

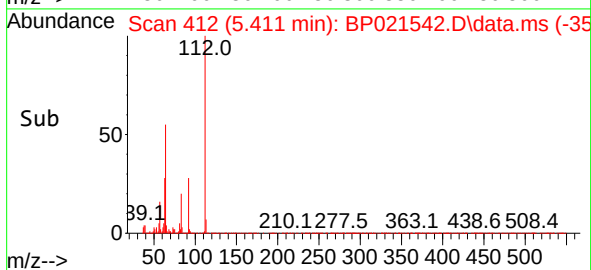
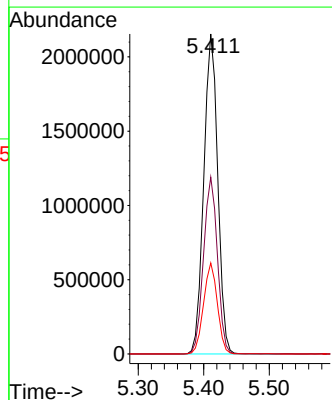
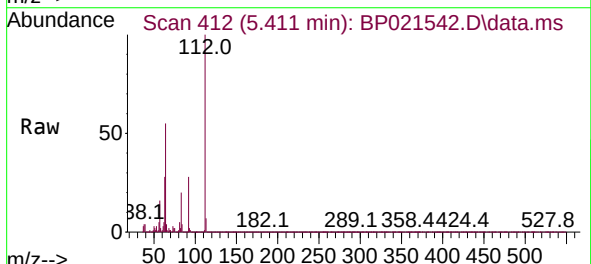
Instrument :
BNA_P
ClientSampleId :
OU4-TS-05-080724RE

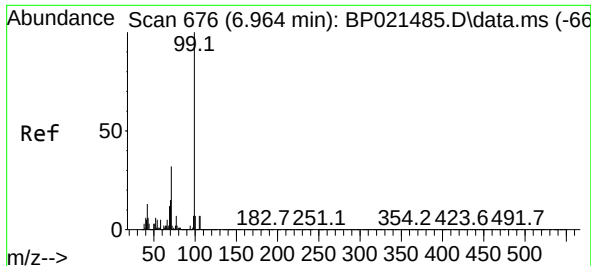
Tgt Ion:152 Resp: 582834
Ion Ratio Lower Upper
152 100
150 153.1 122.4 183.6
115 65.7 54.7 82.1



#5
2-Fluorophenol
Concen: 81.521 ng
RT: 5.411 min Scan# 412
Delta R.T. 0.018 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:112 Resp: 3199850
Ion Ratio Lower Upper
112 100
64 55.3 49.0 73.6
63 28.5 24.6 36.8

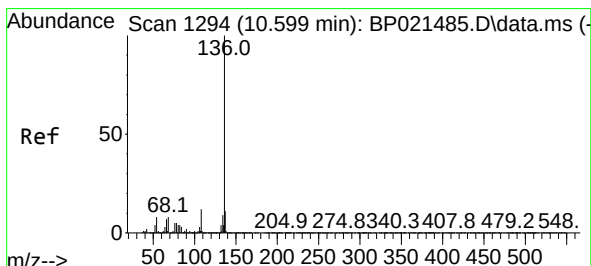
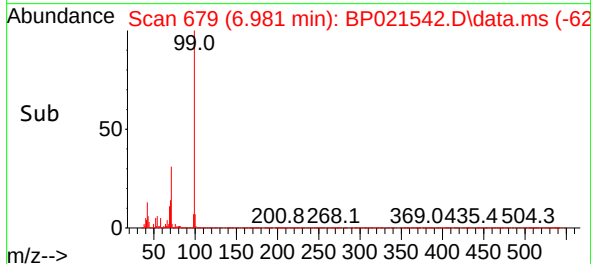
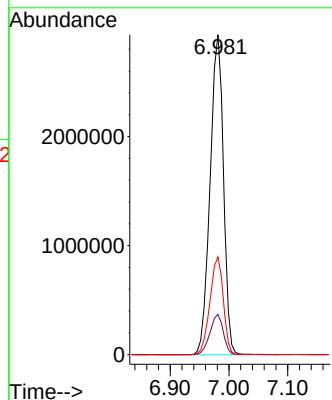
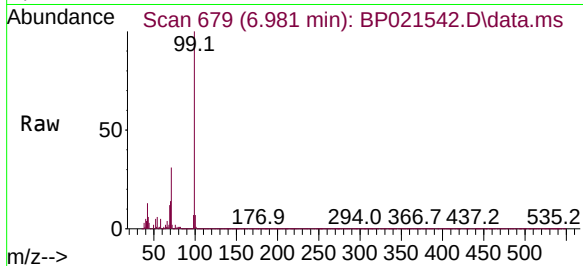




#7
Phenol-d6
Concen: 80.704 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

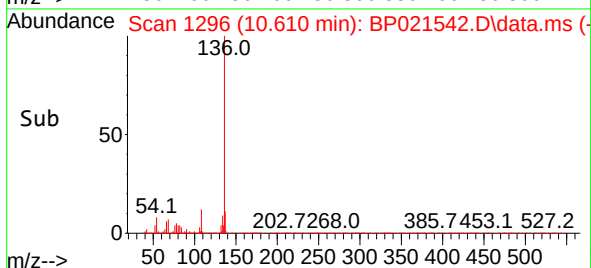
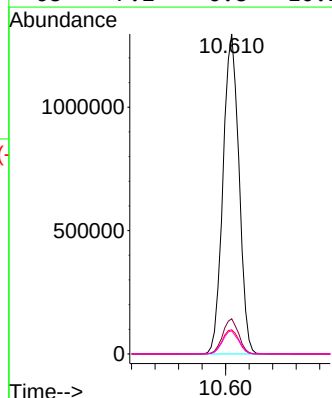
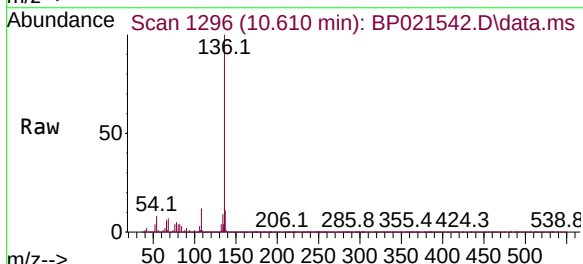
Instrument :
BNA_P
ClientSampleId :
OU4-TS-05-080724RE

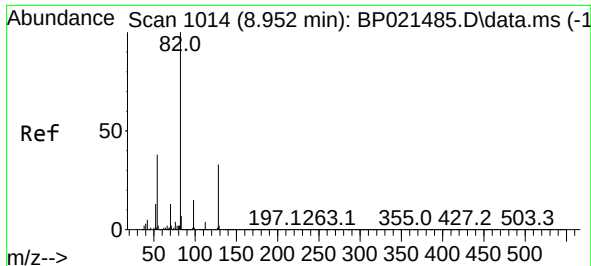
Tgt Ion: 99 Resp: 4621031
Ion Ratio Lower Upper
99 100
42 12.6 10.2 15.4
71 30.6 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1296
Delta R.T. 0.011 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:136 Resp: 2442333
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.5 6.3 9.5
68 7.2 6.8 10.2

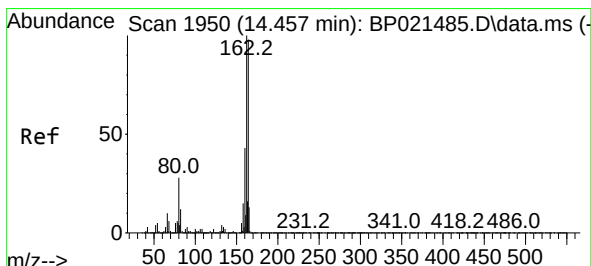
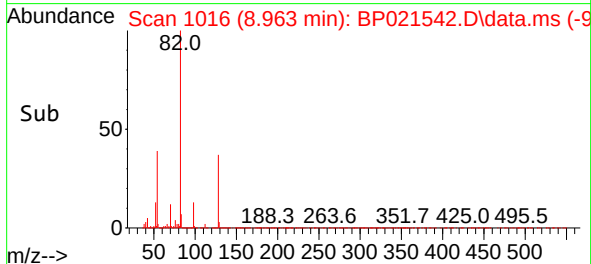
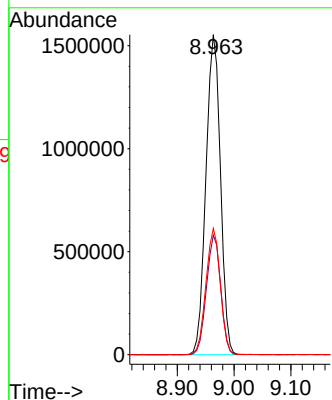
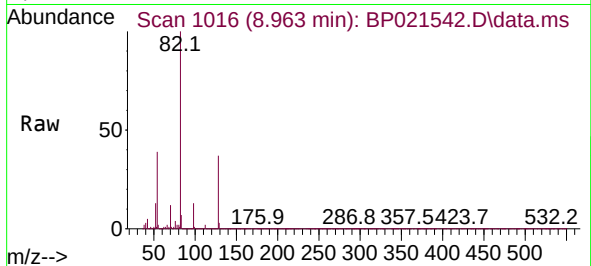




#23
Nitrobenzene-d5
Concen: 57.983 ng
RT: 8.963 min Scan# 1016
Delta R.T. 0.012 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

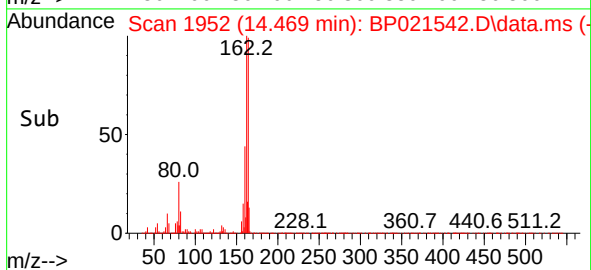
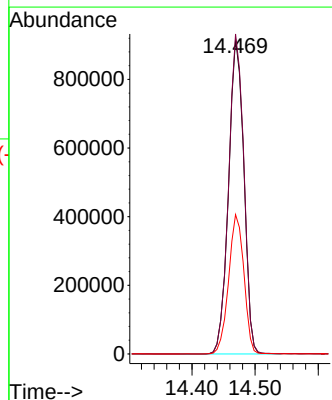
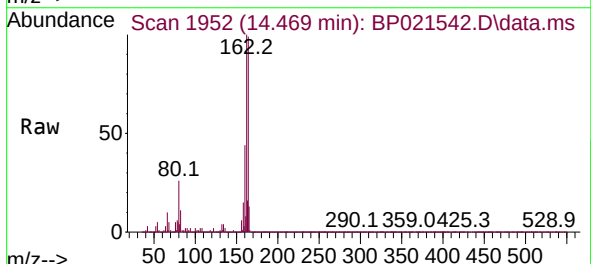
Instrument :
BNA_P
ClientSampleId :
OU4-TS-05-080724RE

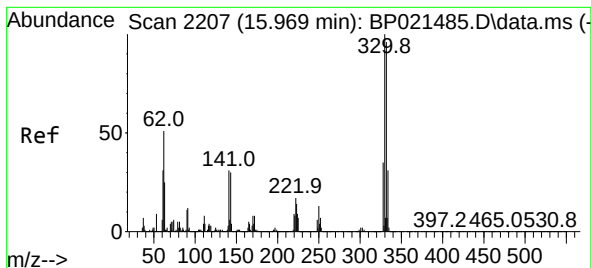
Tgt Ion: 82 Resp: 2743648
Ion Ratio Lower Upper
82 100
128 37.4 26.5 39.7
54 39.5 30.3 45.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.469 min Scan# 1952
Delta R.T. 0.012 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:164 Resp: 1540337
Ion Ratio Lower Upper
164 100
162 101.5 81.5 122.3
160 44.2 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 79.599 ng

RT: 15.981 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

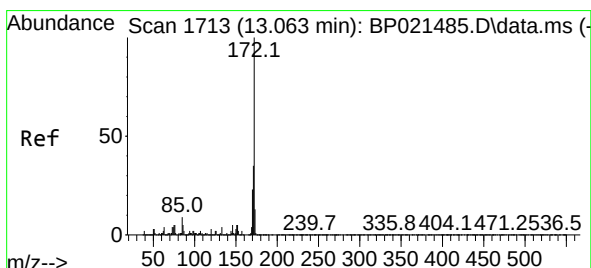
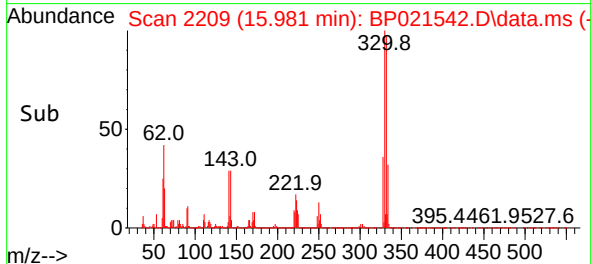
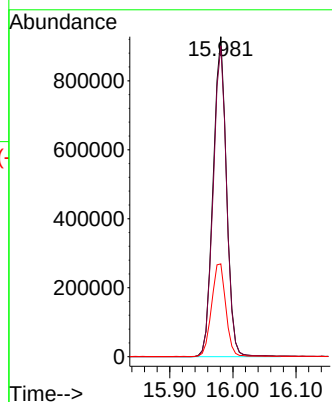
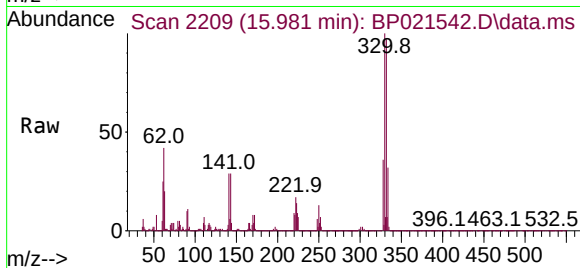
Tgt Ion:330 Resp: 1364596

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.0

141 30.8 24.5 36.7



#45

2-Fluorobiphenyl

Concen: 40.109 ng

RT: 13.075 min Scan# 1715

Delta R.T. 0.012 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

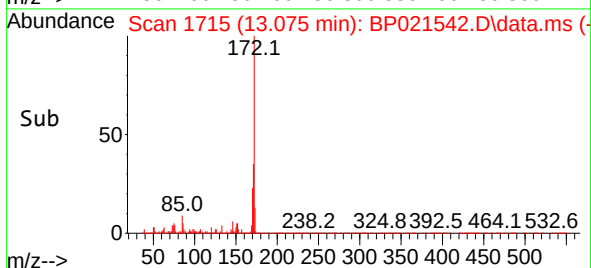
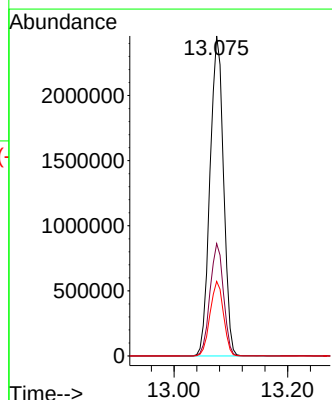
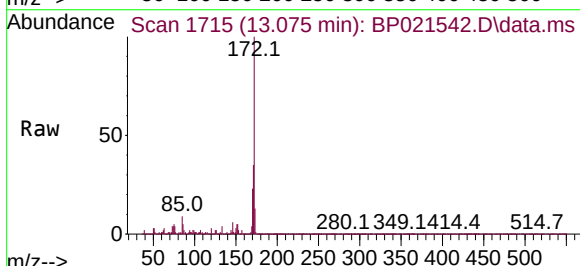
Tgt Ion:172 Resp: 4048122

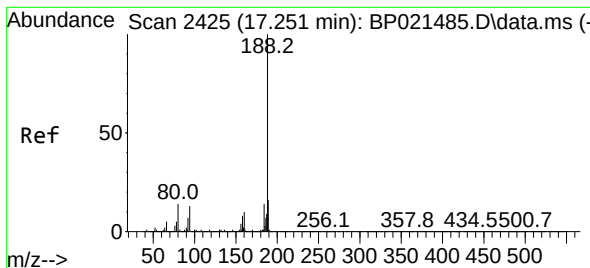
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.3 18.4 27.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.275 min Scan# 2425

Delta R.T. 0.024 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

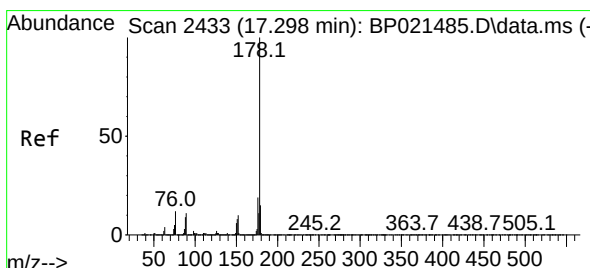
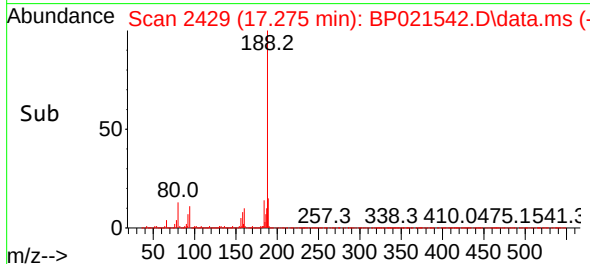
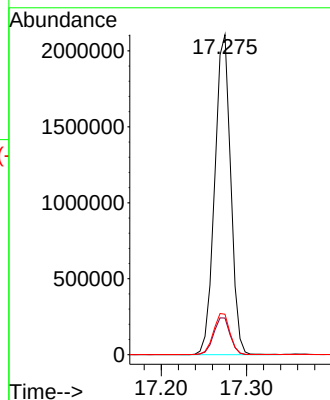
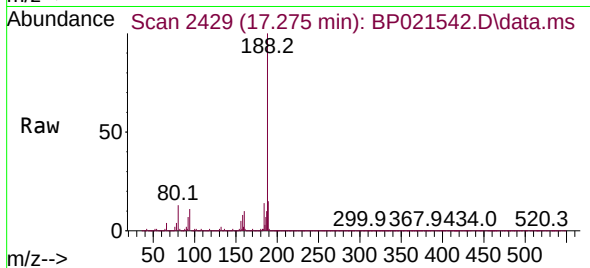
Tgt Ion:188 Resp: 2738628

Ion Ratio Lower Upper

188 100

94 11.4 10.2 15.4

80 12.6 11.6 17.4



#71

Phenanthrene

Concen: 2.425 ng

RT: 17.310 min Scan# 2435

Delta R.T. 0.012 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

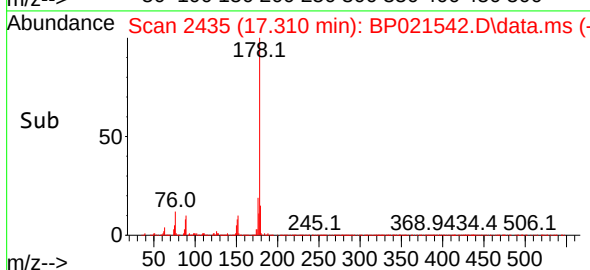
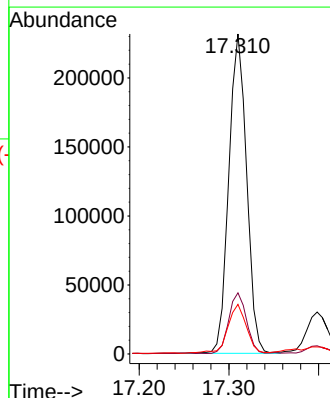
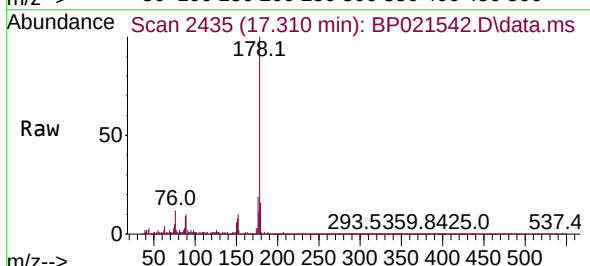
Tgt Ion:178 Resp: 319431

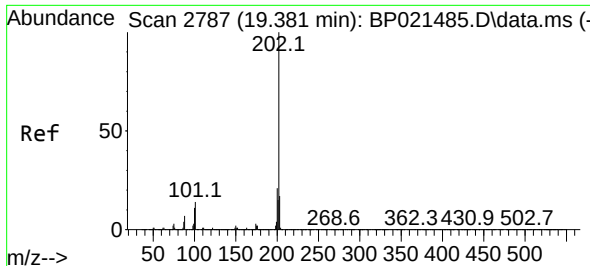
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.5 12.4 18.6

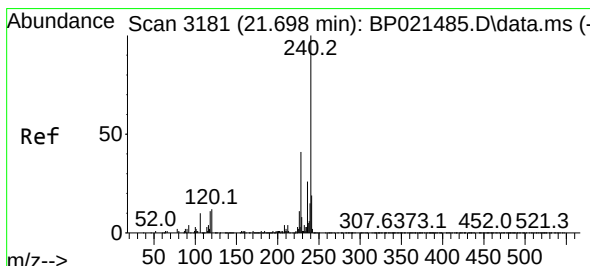
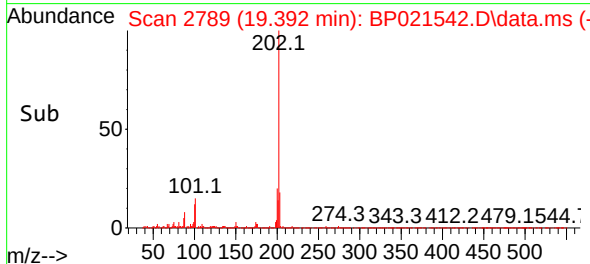
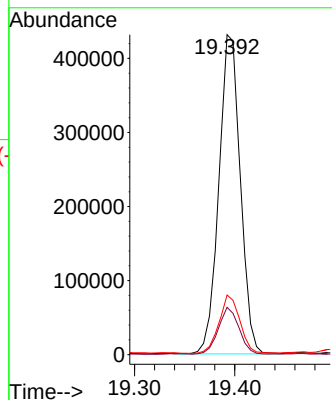
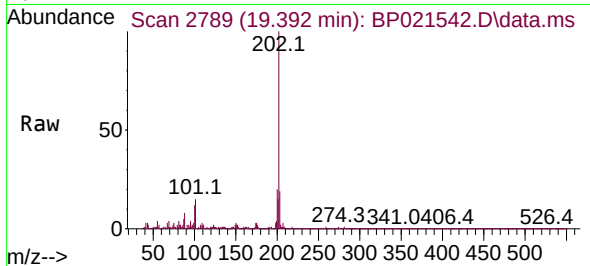




#75
Fluoranthene
Concen: 3.958 ng
RT: 19.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

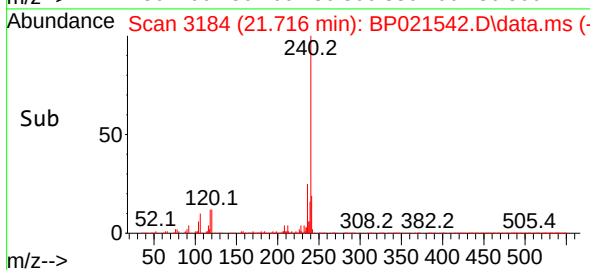
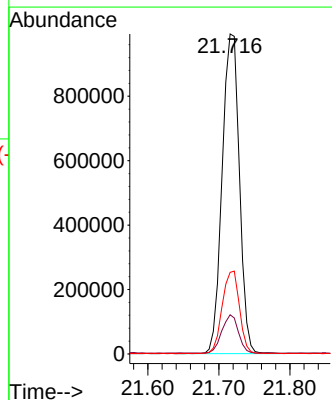
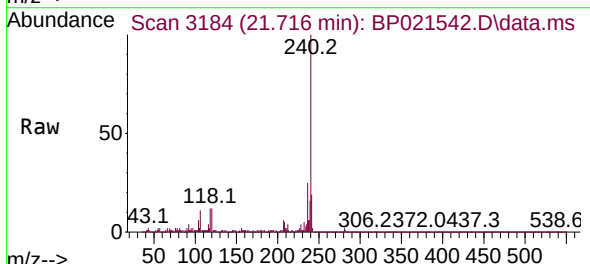
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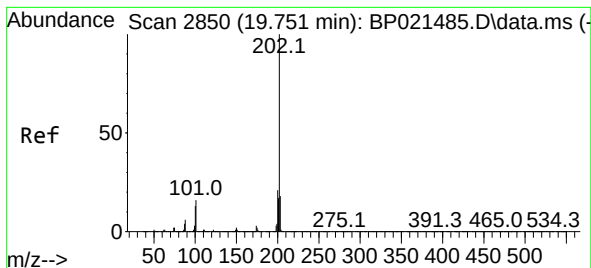
Tgt Ion:202 Resp: 639587
Ion Ratio Lower Upper
202 100
101 14.8 0.0 34.0
203 18.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. 0.018 min
Lab File: BP021542.D
Acq: 16 Aug 2024 16:38

Tgt Ion:240 Resp: 1670991
Ion Ratio Lower Upper
240 100
120 12.3 9.9 14.9
236 25.5 20.6 30.8





#78

Pyrene

Concen: 5.140 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.018 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

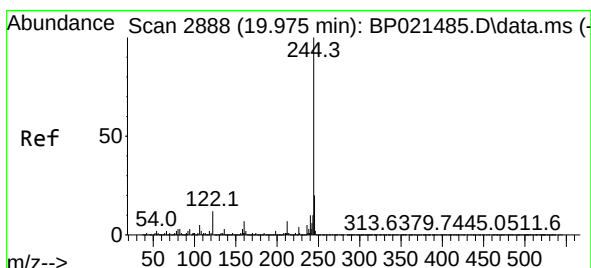
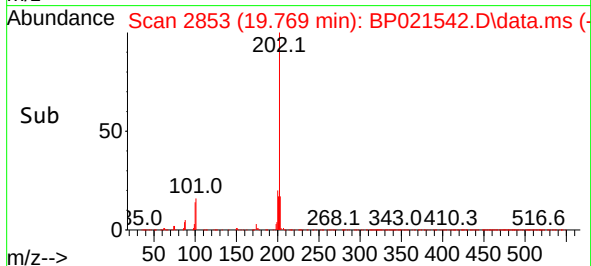
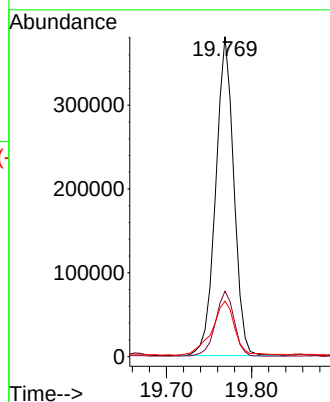
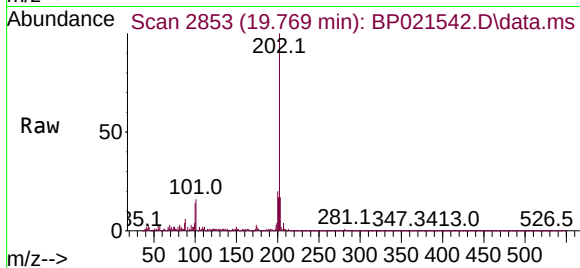
Tgt Ion:202 Resp: 561355

Ion Ratio Lower Upper

202 100

200 20.5 16.7 25.1

203 17.4 14.1 21.1



#79

Terphenyl-d14

Concen: 44.949 ng

RT: 19.986 min Scan# 2890

Delta R.T. 0.011 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

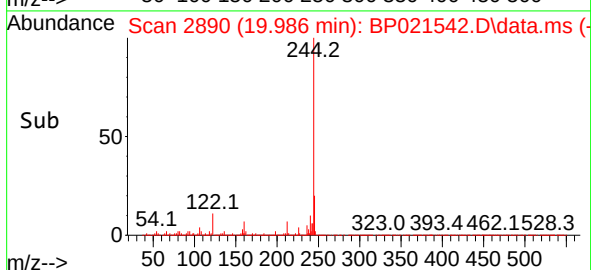
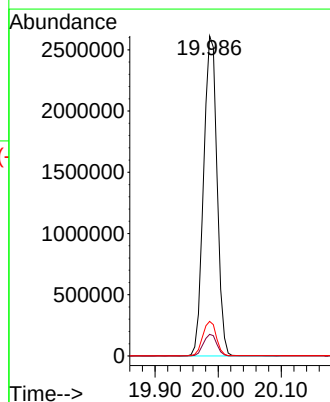
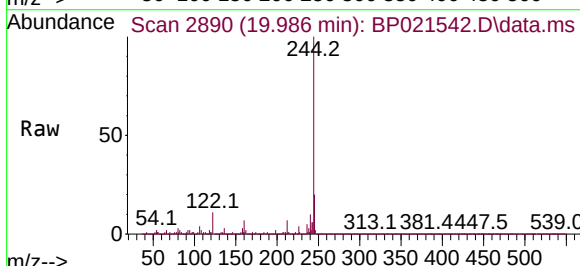
Tgt Ion:244 Resp: 3866216

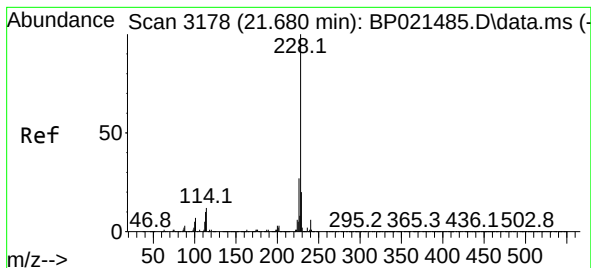
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.8 9.4 14.2





#81

Benzo(a)anthracene

Concen: 2.431 ng

RT: 21.698 min Scan# 3181

Delta R.T. 0.018 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

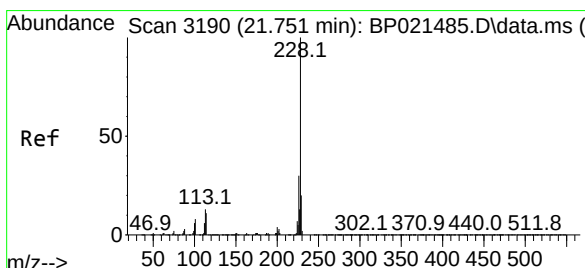
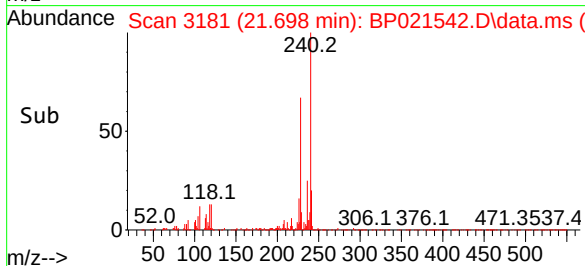
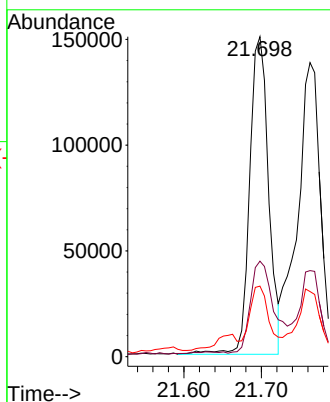
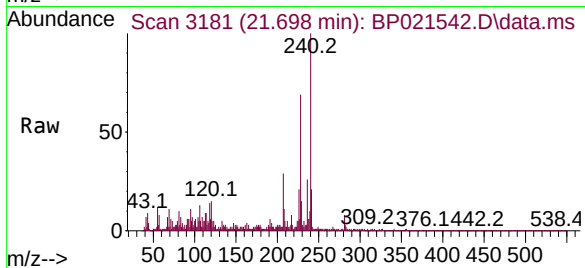
Tgt Ion:228 Resp: 255047

Ion Ratio Lower Upper

228 100

226 29.8 21.4 32.2

229 22.1 15.8 23.6



#83

Chrysene

Concen: 2.856 ng

RT: 21.763 min Scan# 3192

Delta R.T. 0.012 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

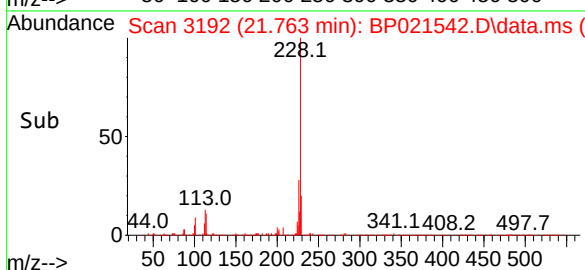
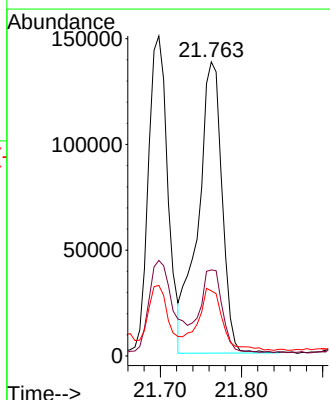
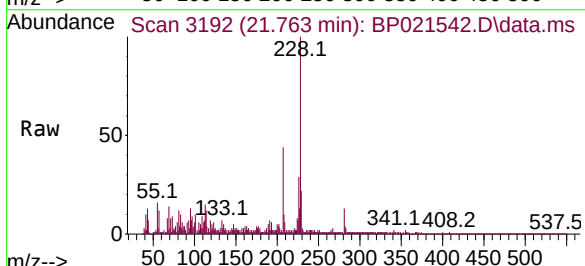
Tgt Ion:228 Resp: 282902

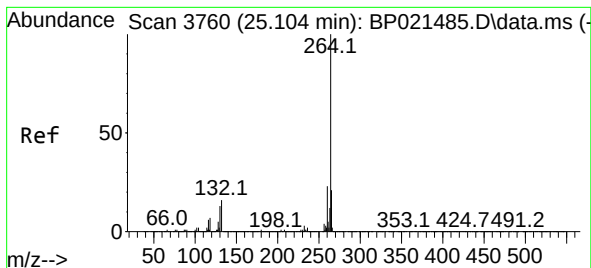
Ion Ratio Lower Upper

228 100

226 29.3 23.9 35.9

229 22.2 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.157 min Scan# 31

Delta R.T. 0.053 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE

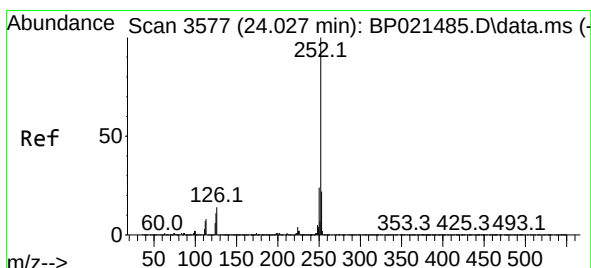
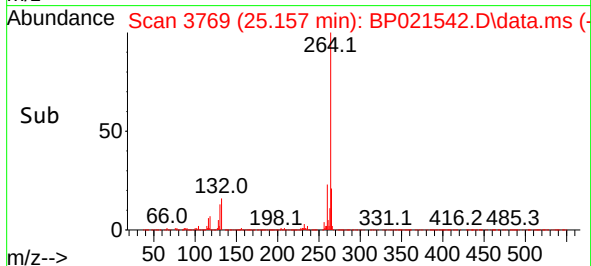
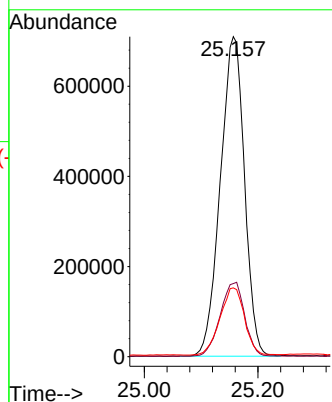
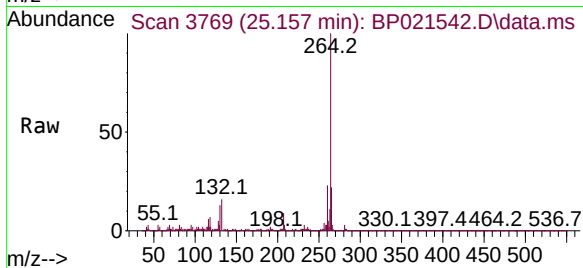
Tgt Ion:264 Resp: 2090847

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.5 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 3.452 ng

RT: 24.069 min Scan# 3584

Delta R.T. 0.041 min

Lab File: BP021542.D

Acq: 16 Aug 2024 16:38

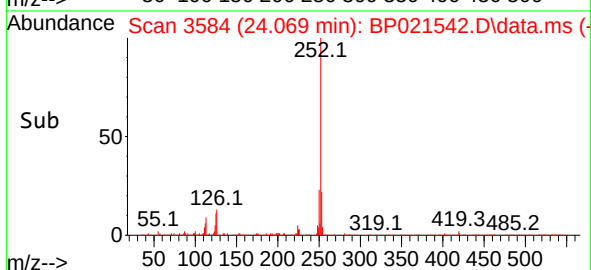
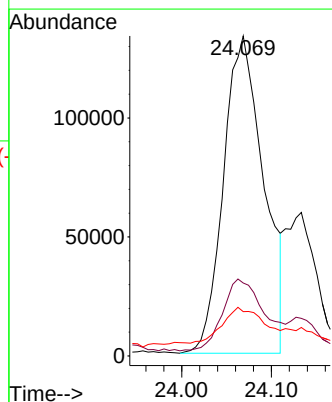
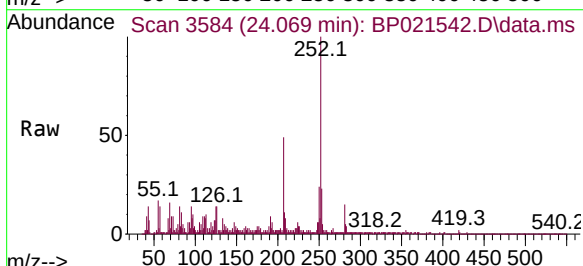
Tgt Ion:252 Resp: 414535

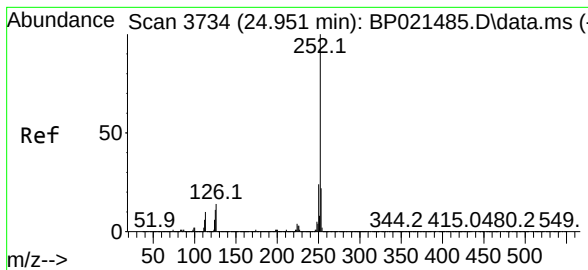
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 13.9 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 2.651 ng

RT: 24.986 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP021542.D

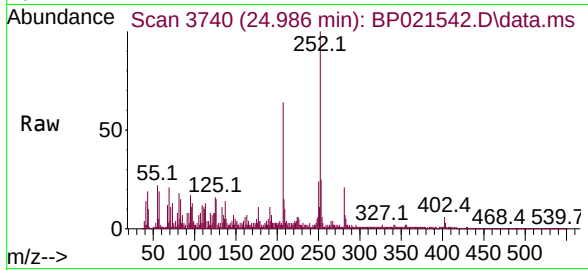
Acq: 16 Aug 2024 16:38

Instrument :

BNA_P

ClientSampleId :

OU4-TS-05-080724RE



Tgt Ion:252 Resp: 276306

Ion Ratio Lower Upper

252 100

253 25.3 17.7 26.5

125 16.0 8.7 13.1#

