

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
 Data File : BP021583.D
 Acq On : 20 Aug 2024 22:27
 Operator : RC/JU
 Sample : P3518-15RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-08-080724RE

Quant Time: Aug 21 00:27:57 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)

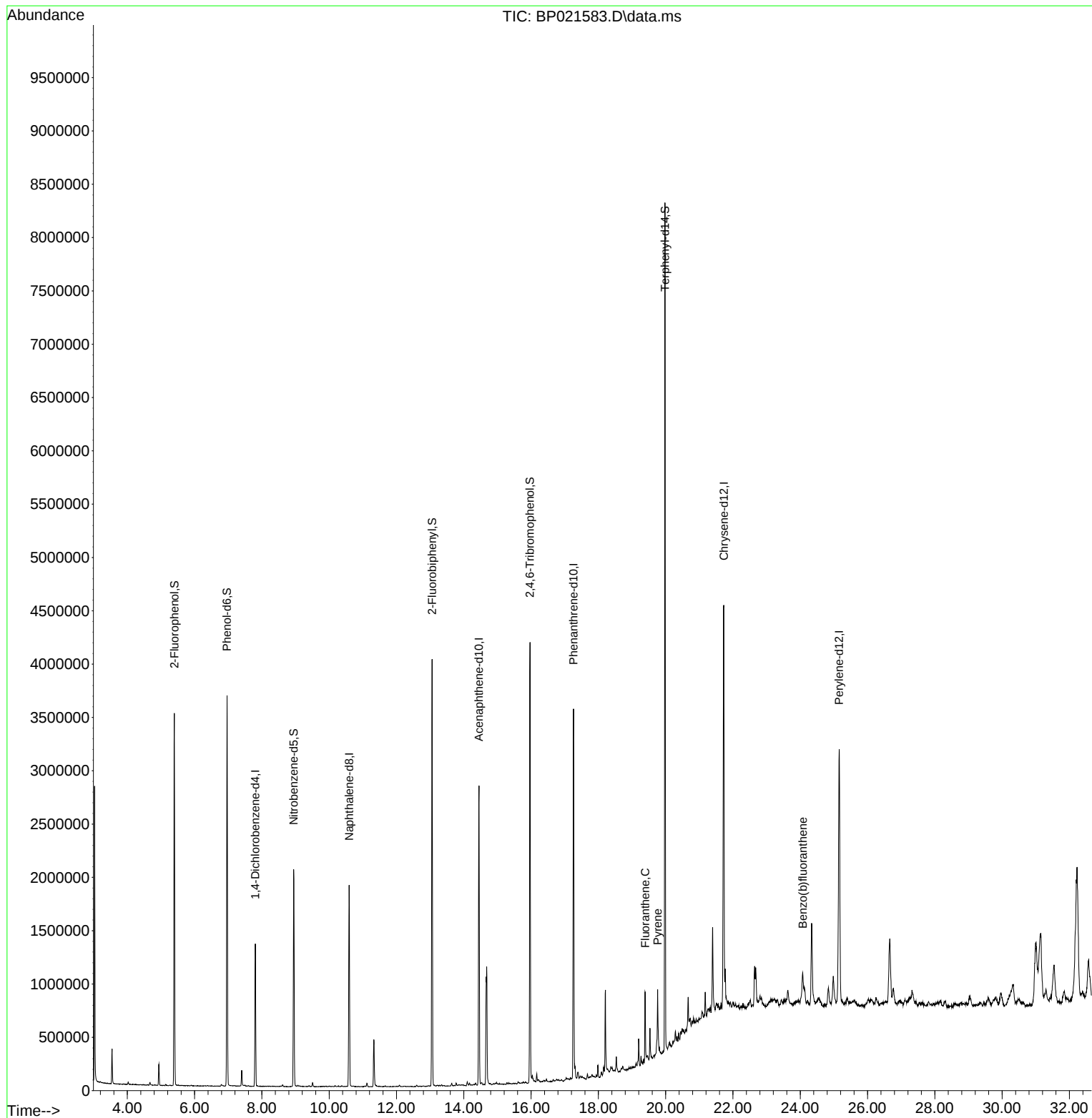
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	368812	20.000	ng	0.00
21) Naphthalene-d8	10.592	136	1570625	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	1046199	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	2309247	20.000	ng	0.01
76) Chrysene-d12	21.727	240	2237746	20.000	ng	0.03
86) Perylene-d12	25.156	264	2559388	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1602172	64.505	ng	0.00
7) Phenol-d6	6.963	99	2337301	64.507	ng	0.00
23) Nitrobenzene-d5	8.946	82	1314690	43.204	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	839520	72.100	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	2065479	30.130	ng	0.00
79) Terphenyl-d14	19.980	244	3865473	33.559	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.392	202	369921	2.715	ng	100
78) Pyrene	19.763	202	330752	2.261	ng	97
88) Benzo(b)fluoranthene	24.074	252	319952	2.177	ng	# 95

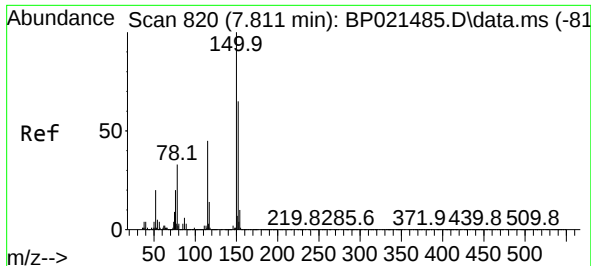
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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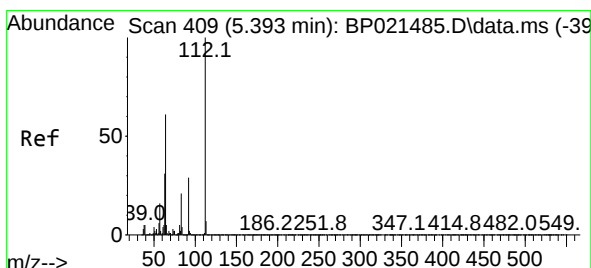
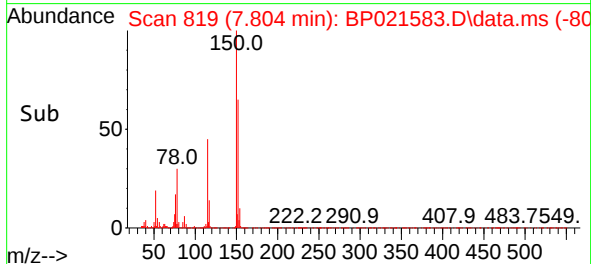
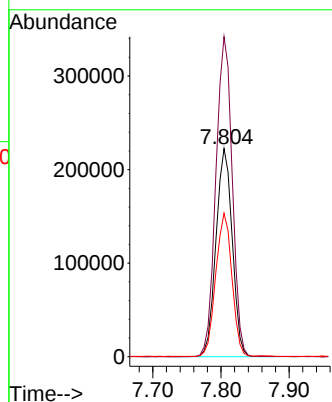
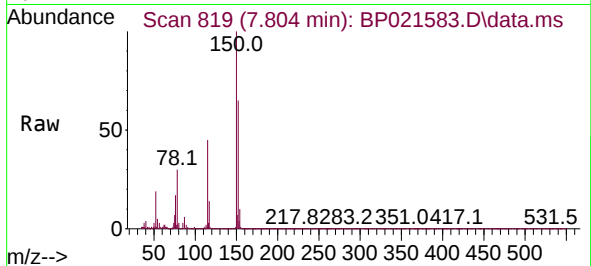




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP021583.D
Acq: 20 Aug 2024 22:27

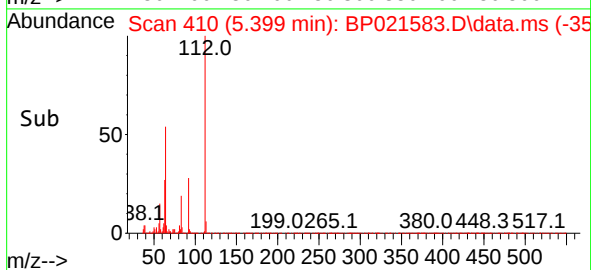
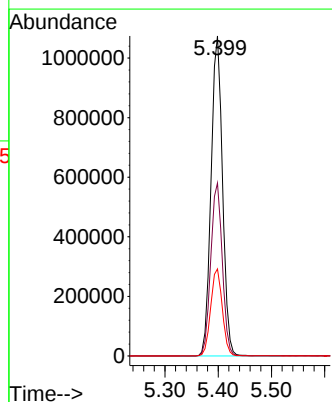
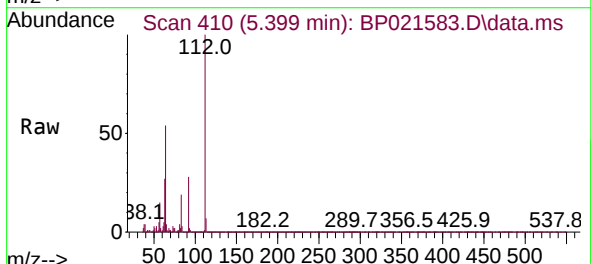
Instrument :
BNA_P
ClientSampleId :
OU4-TS-08-080724RE

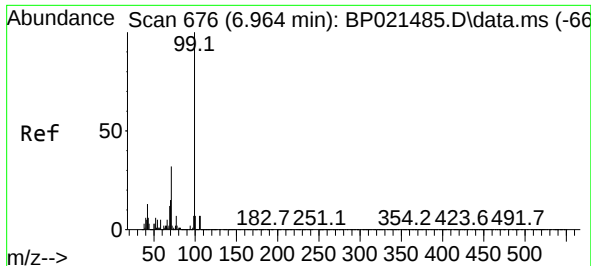
Tgt Ion:152 Resp: 368812
Ion Ratio Lower Upper
152 100
150 153.7 122.4 183.6
115 68.9 54.7 82.1



#5
2-Fluorophenol
Concen: 64.505 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP021583.D
Acq: 20 Aug 2024 22:27

Tgt Ion:112 Resp: 1602172
Ion Ratio Lower Upper
112 100
64 54.0 49.0 73.6
63 27.2 24.6 36.8

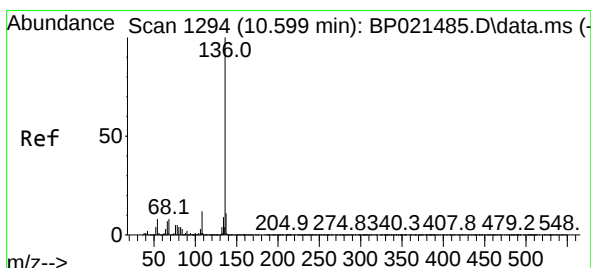
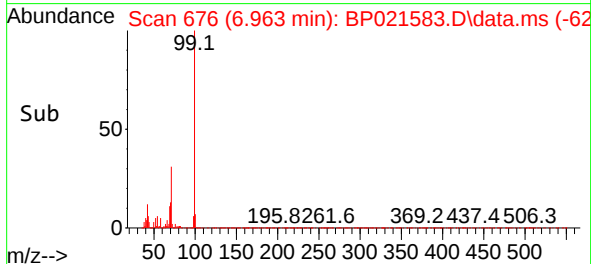
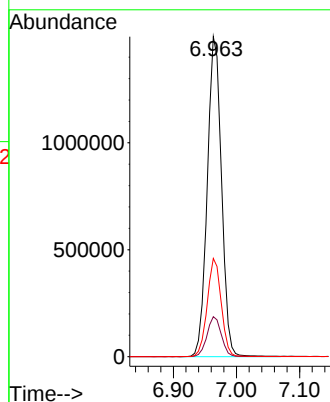
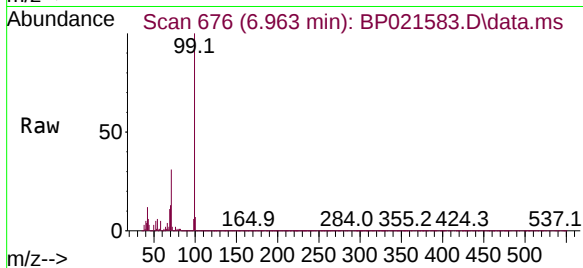




#7
Phenol-d6
Concen: 64.507 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021583.D
Acq: 20 Aug 2024 22:27

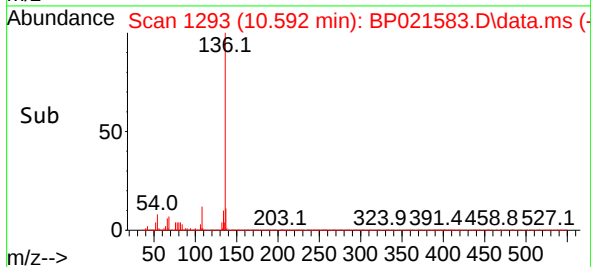
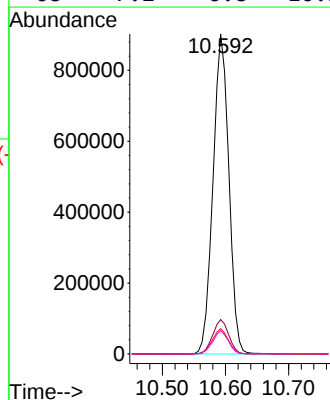
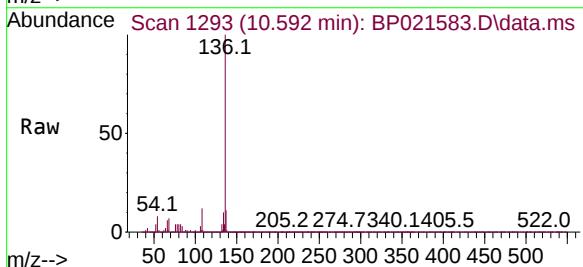
Instrument :
BNA_P
ClientSampleId :
OU4-TS-08-080724RE

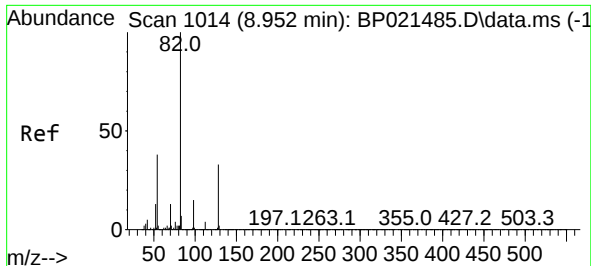
Tgt Ion: 99 Resp: 2337301
Ion Ratio Lower Upper
99 100
42 12.5 10.2 15.4
71 30.7 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.592 min Scan# 1293
Delta R.T. -0.007 min
Lab File: BP021583.D
Acq: 20 Aug 2024 22:27

Tgt Ion:136 Resp: 1570625
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.9 6.3 9.5
68 7.2 6.8 10.2





#23

Nitrobenzene-d5

Concen: 43.204 ng

RT: 8.946 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021583.D

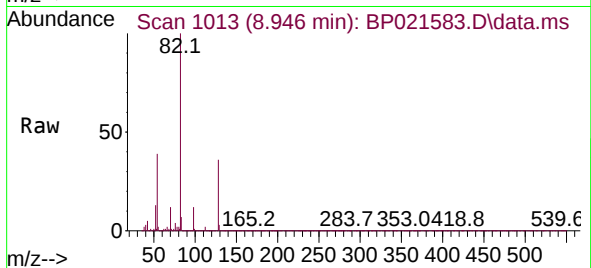
Acq: 20 Aug 2024 22:27

Instrument :

BNA_P

ClientSampleId :

OU4-TS-08-080724RE



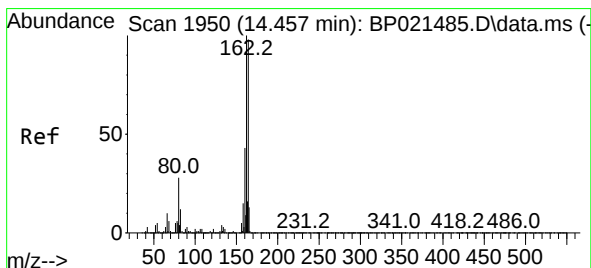
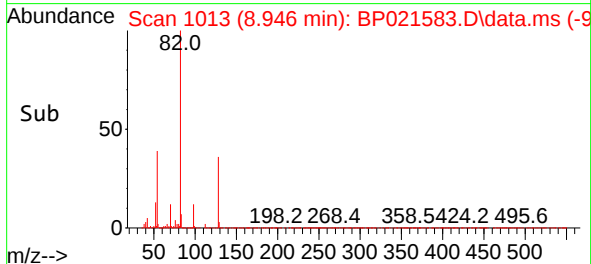
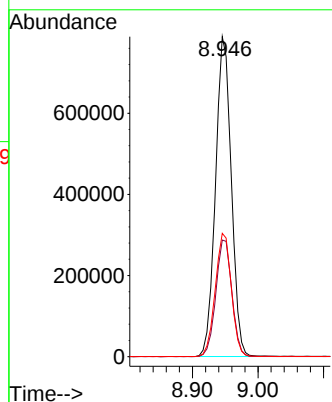
Tgt Ion: 82 Resp: 1314690

Ion Ratio Lower Upper

82 100

128 36.4 26.5 39.7

54 38.6 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: BP021583.D

Acq: 20 Aug 2024 22:27

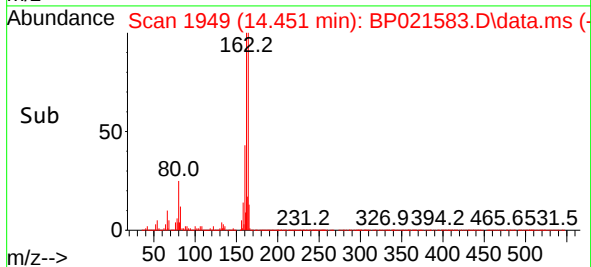
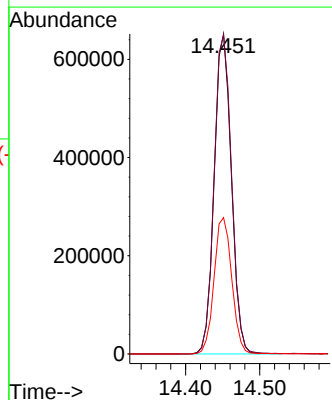
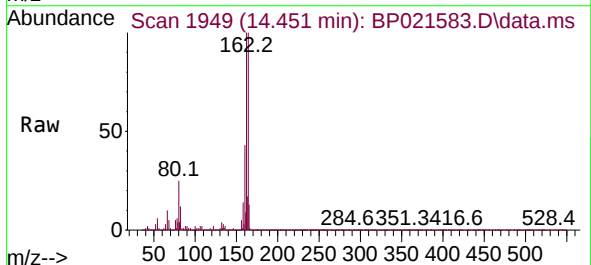
Tgt Ion:164 Resp: 1046199

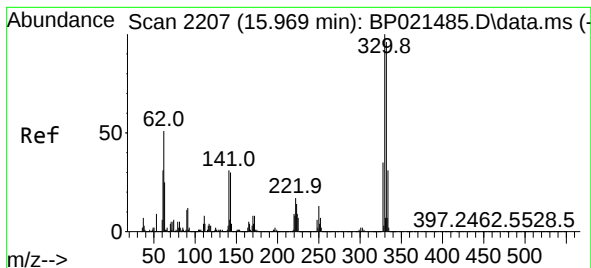
Ion Ratio Lower Upper

164 100

162 99.8 81.5 122.3

160 42.6 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 72.100 ng

RT: 15.969 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP021583.D

Acq: 20 Aug 2024 22:27

Instrument :

BNA_P

ClientSampleId :

OU4-TS-08-080724RE

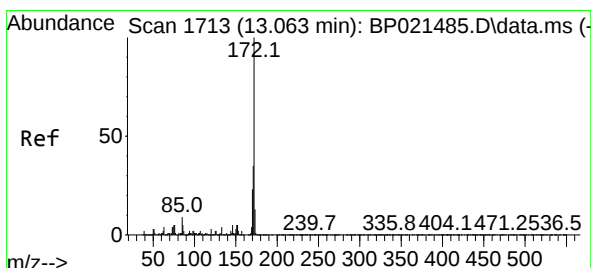
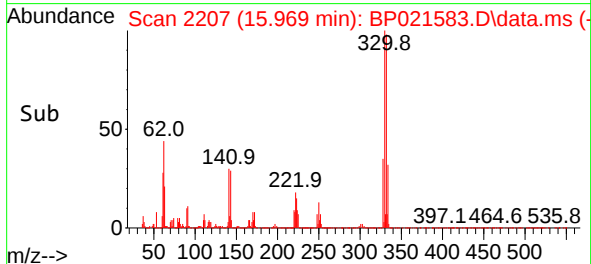
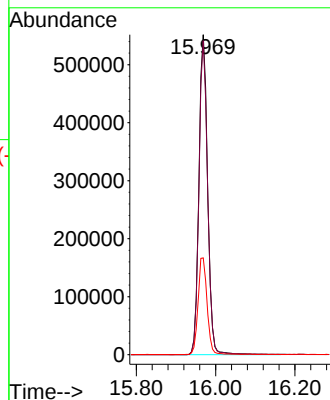
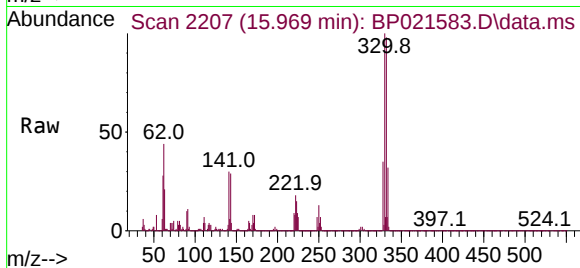
Tgt Ion:330 Resp: 839520

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.0

141 31.3 24.5 36.7



#45

2-Fluorobiphenyl

Concen: 30.130 ng

RT: 13.057 min Scan# 1712

Delta R.T. -0.006 min

Lab File: BP021583.D

Acq: 20 Aug 2024 22:27

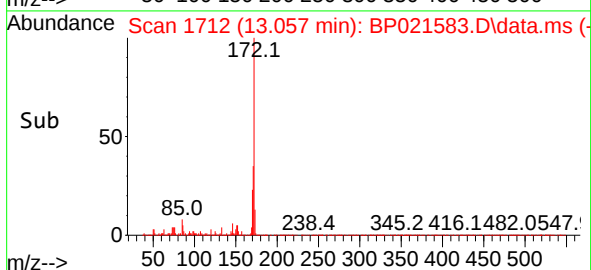
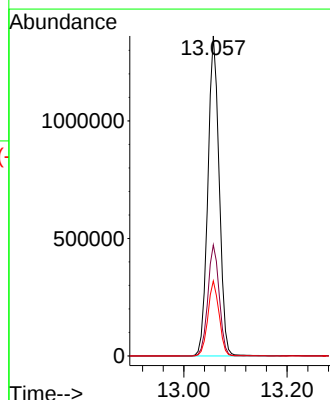
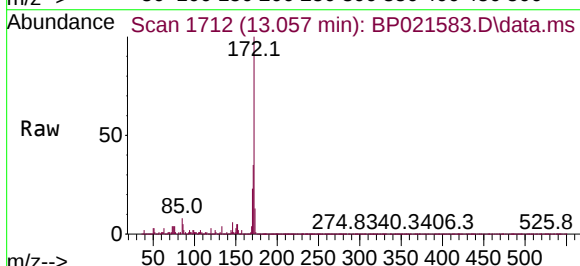
Tgt Ion:172 Resp: 2065479

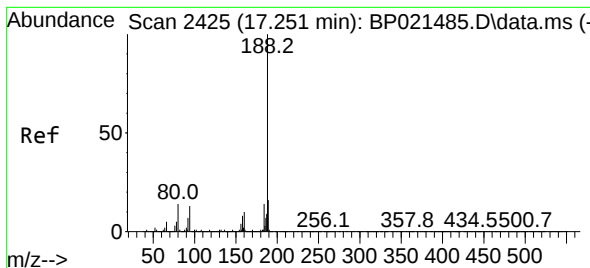
Ion Ratio Lower Upper

172 100

171 34.7 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. 0.011 min

Lab File: BP021583.D

Acq: 20 Aug 2024 22:27

Instrument :

BNA_P

ClientSampleId :

OU4-TS-08-080724RE

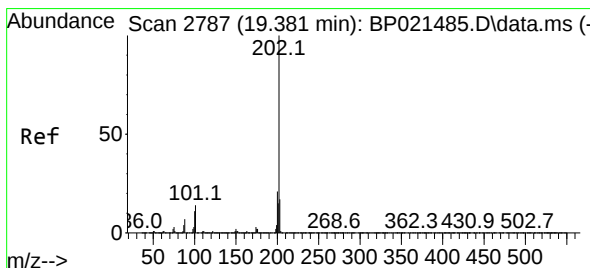
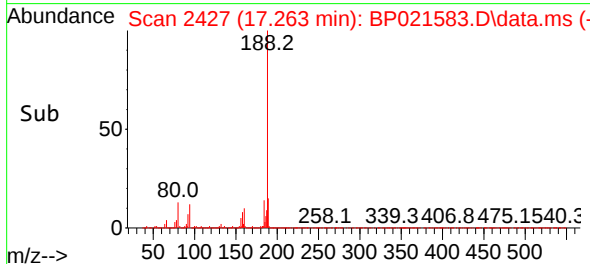
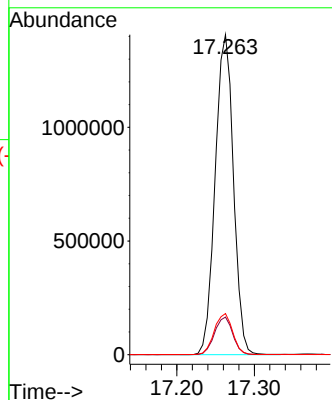
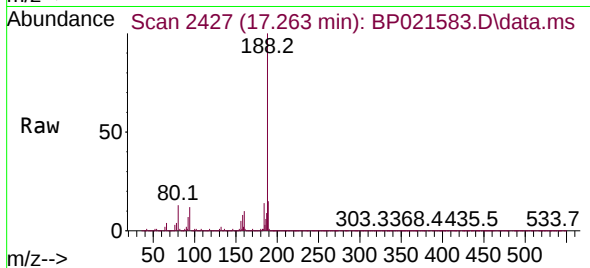
Tgt Ion:188 Resp: 2309247

Ion Ratio Lower Upper

188 100

94 11.7 10.2 15.4

80 12.8 11.6 17.4



#75

Fluoranthene

Concen: 2.715 ng

RT: 19.392 min Scan# 2789

Delta R.T. 0.011 min

Lab File: BP021583.D

Acq: 20 Aug 2024 22:27

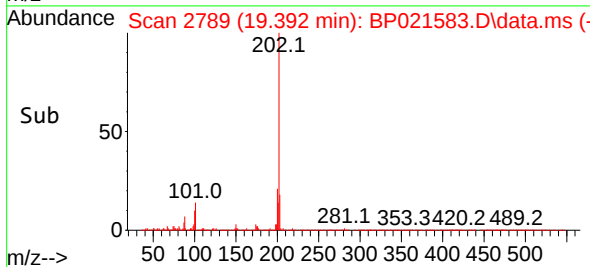
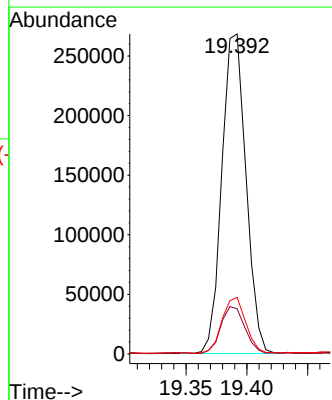
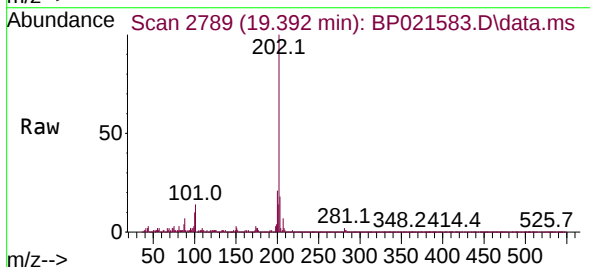
Tgt Ion:202 Resp: 369921

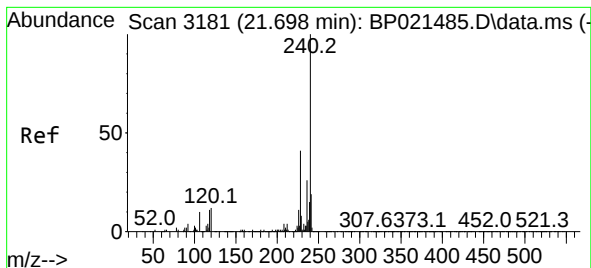
Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.0

203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.727 min Scan# 3181

Delta R.T. 0.029 min

Lab File: BP021583.D

Acq: 20 Aug 2024 22:27

Instrument :

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OU4-TS-08-080724RE

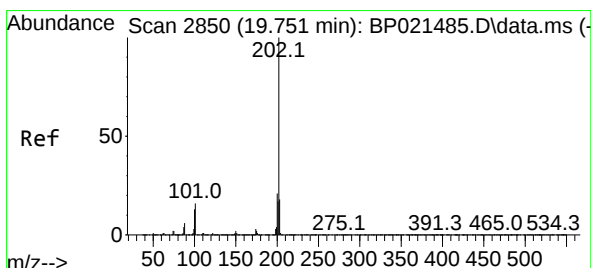
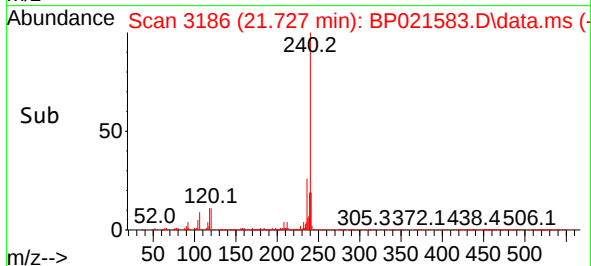
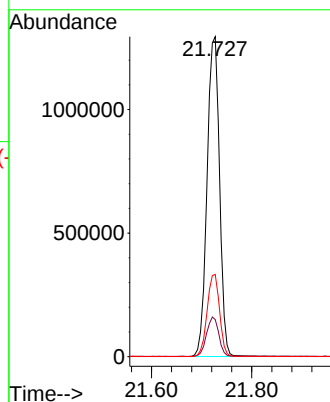
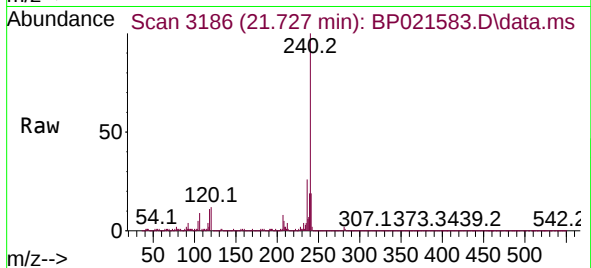
Tgt Ion:240 Resp: 2237746

Ion Ratio Lower Upper

240 100

120 11.6 9.9 14.9

236 25.7 20.6 30.8



#78

Pyrene

Concen: 2.261 ng

RT: 19.763 min Scan# 2852

Delta R.T. 0.011 min

Lab File: BP021583.D

Acq: 20 Aug 2024 22:27

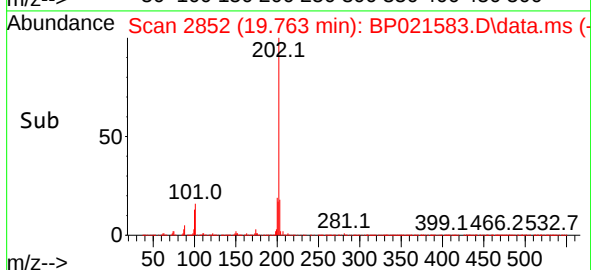
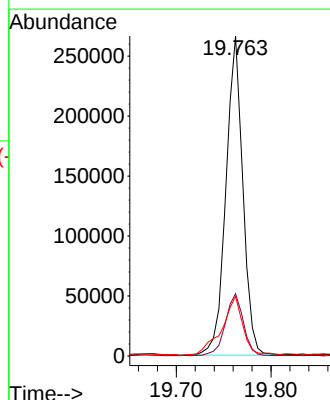
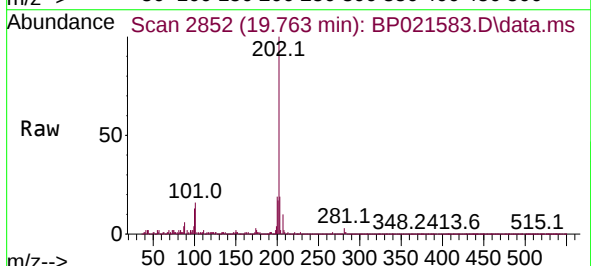
Tgt Ion:202 Resp: 330752

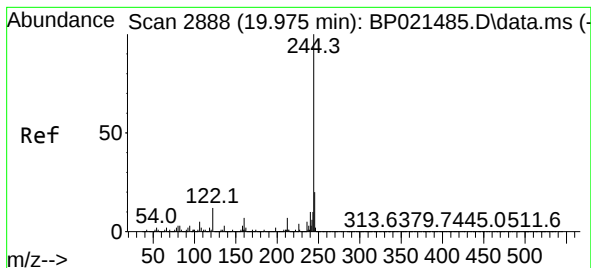
Ion Ratio Lower Upper

202 100

200 19.5 16.7 25.1

203 18.6 14.1 21.1





#79

Terphenyl-d14

Concen: 33.559 ng

RT: 19.980 min Scan# 21

Delta R.T. 0.005 min

Lab File: BP021583.D

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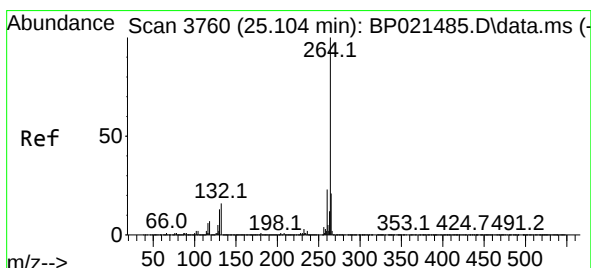
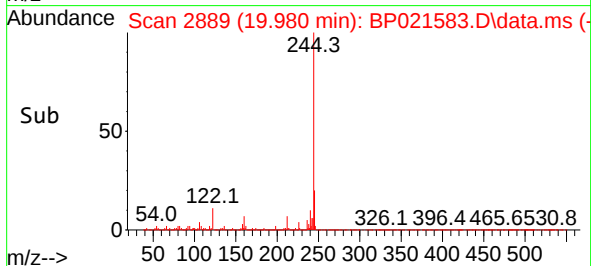
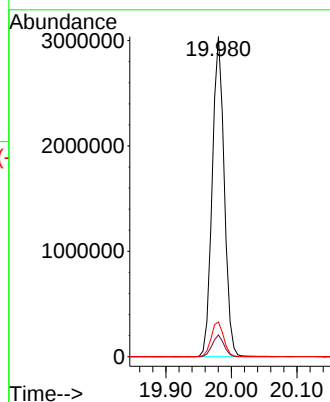
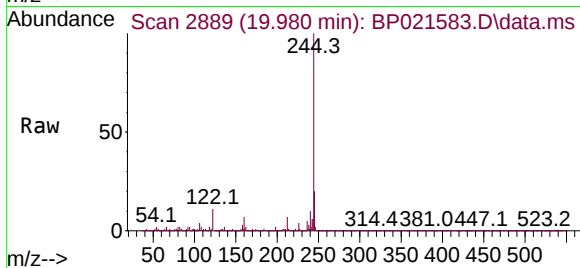
Tgt Ion:244 Resp: 3865473

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.9 9.4 14.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.156 min Scan# 3769

Delta R.T. 0.053 min

Lab File: BP021583.D

Acq: 20 Aug 2024 22:27

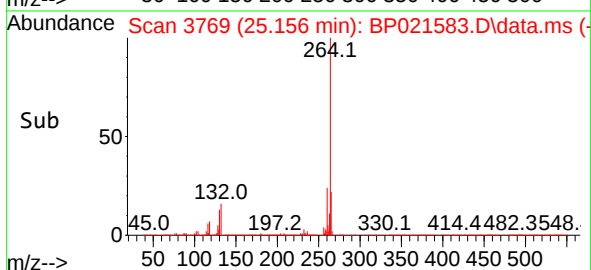
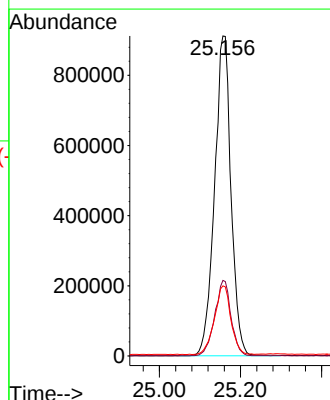
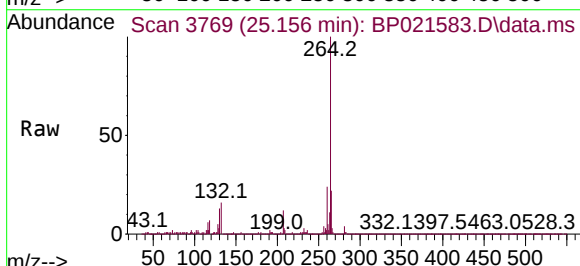
Tgt Ion:264 Resp: 2559388

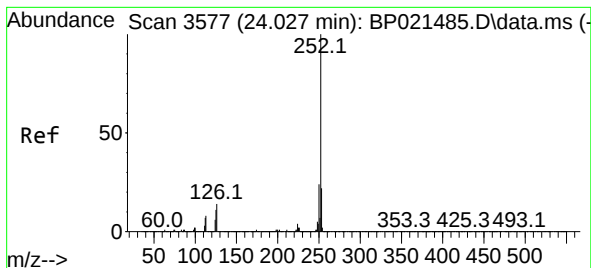
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.9 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 2.177 ng

RT: 24.074 min Scan# 31

Delta R.T. 0.047 min

Lab File: BP021583.D

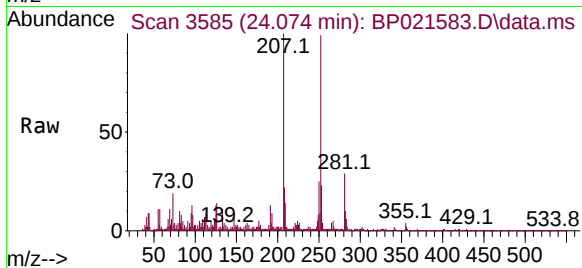
Acq: 20 Aug 2024 22:27

Instrument :

BNA_P

ClientSampleId :

OU4-TS-08-080724RE



Tgt Ion:252 Resp: 319952

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

125 13.4 8.6 13.0#

