

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081624\
 Data File : BP021545.D
 Acq On : 16 Aug 2024 18:49
 Operator : RC/JU
 Sample : P3519-07RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-19-080724RE

Quant Time: Aug 17 00:43:48 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)

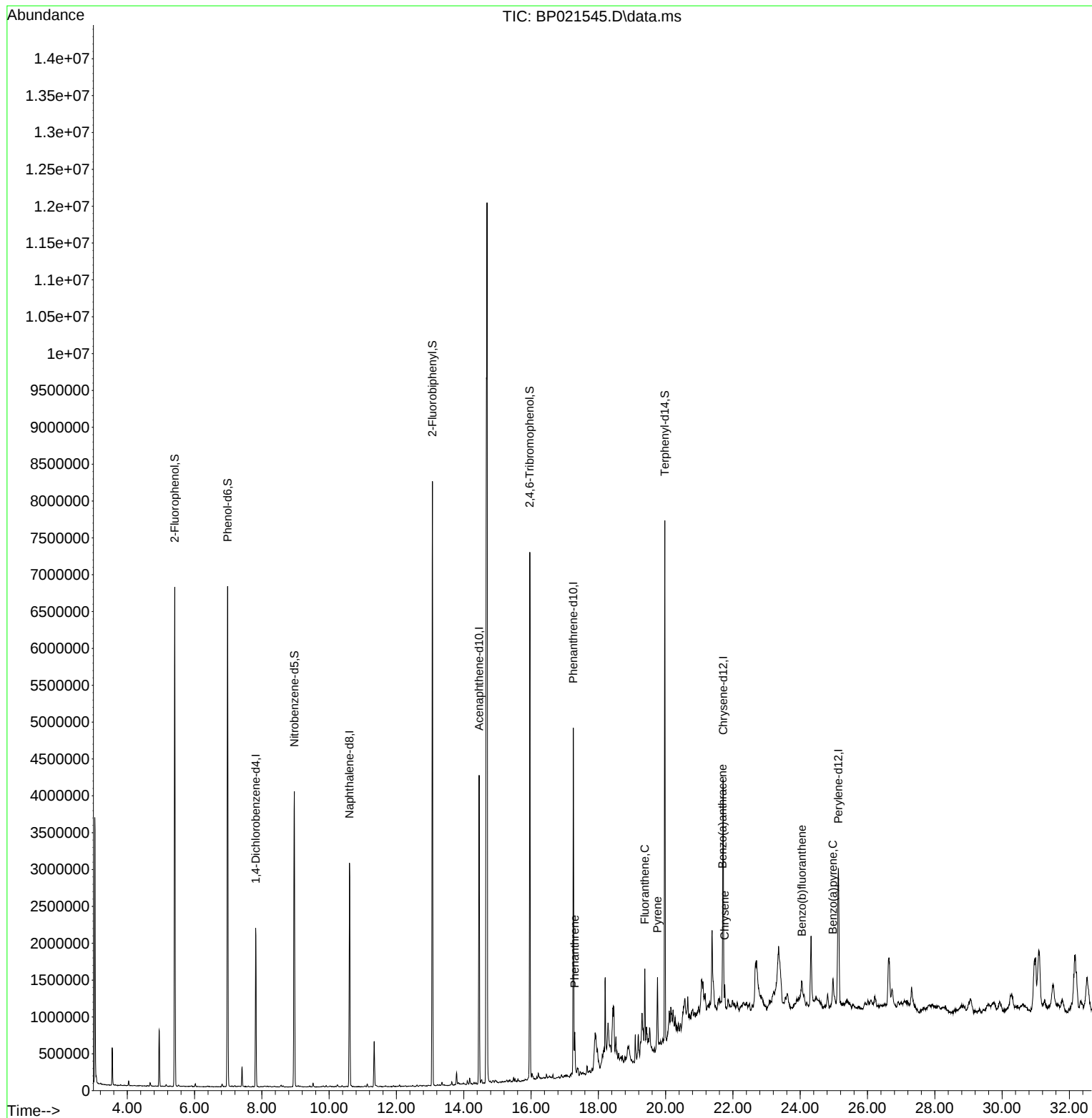
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	567528	20.000	ng	0.00
21) Naphthalene-d8	10.605	136	2410104	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	1504211	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2619781	20.000	ng	0.00
76) Chrysene-d12	21.710	240	1633933	20.000	ng	0.01
86) Perylene-d12	25.133	264	2021792	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	3096800	81.024	ng	0.02
7) Phenol-d6	6.981	99	4505817	80.814	ng	0.02
23) Nitrobenzene-d5	8.963	82	2696706	57.753	ng	0.01
42) 2,4,6-Tribromophenol	15.963	330	1296783	77.460	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	4059852	41.191	ng	0.00
79) Terphenyl-d14	19.975	244	3514634	41.789	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.298	178	329167	2.613	ng	98
75) Fluoranthene	19.381	202	577687	3.737	ng	99
78) Pyrene	19.757	202	534275	5.003	ng	99
81) Benzo(a)anthracene	21.692	228	249495	2.432	ng	94
83) Chrysene	21.757	228	277603	2.867	ng	98
88) Benzo(b)fluoranthene	24.051	252	380171	3.274	ng	# 91
90) Benzo(a)pyrene	24.974	252	258893	2.569	ng	# 94

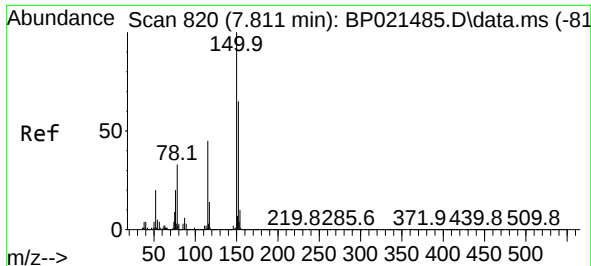
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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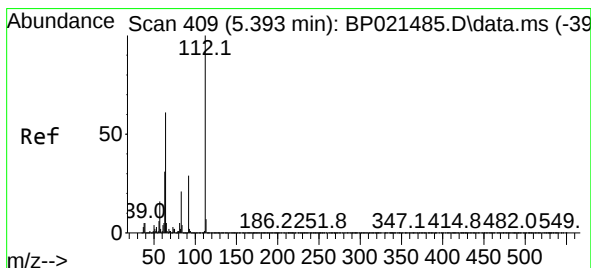
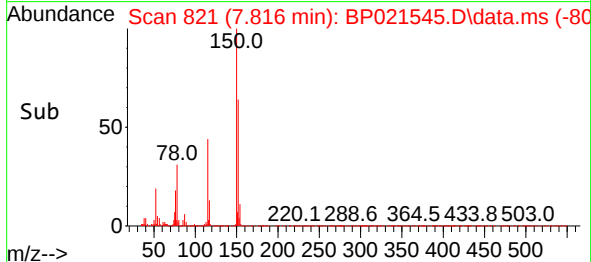
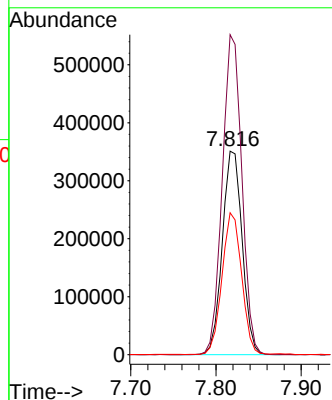
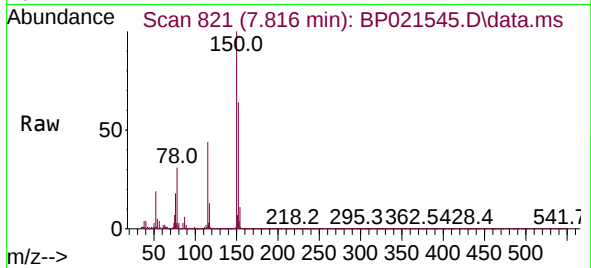




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. 0.005 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

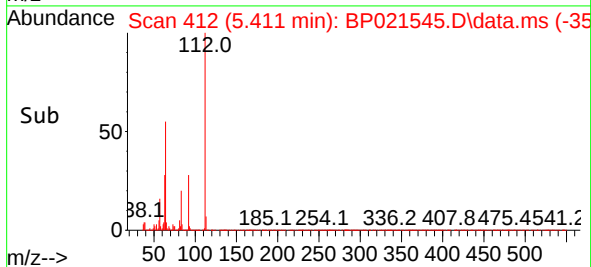
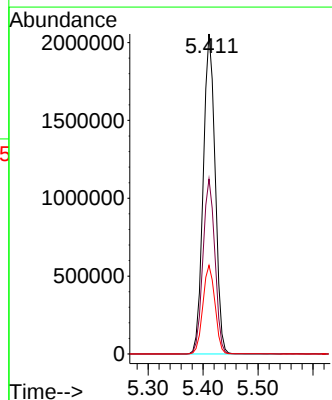
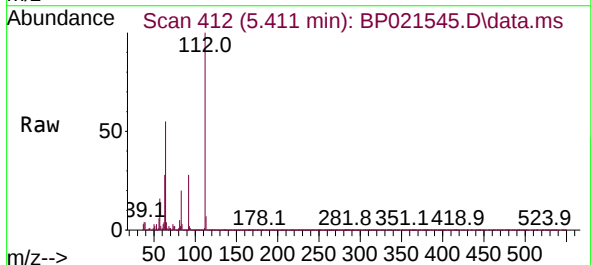
Instrument :
BNA_P
ClientSampleId :
OU4-TS-19-080724RE

Tgt Ion:152 Resp: 567528
Ion Ratio Lower Upper
152 100
150 157.2 122.4 183.6
115 69.7 54.7 82.1



#5
2-Fluorophenol
Concen: 81.024 ng
RT: 5.411 min Scan# 412
Delta R.T. 0.018 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

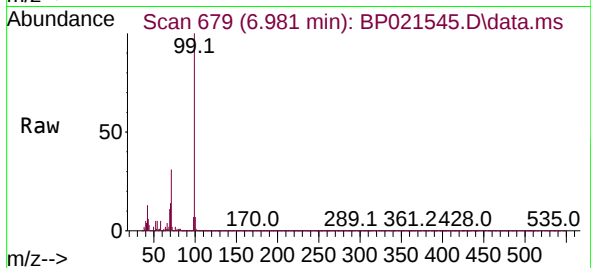
Tgt Ion:112 Resp: 3096800
Ion Ratio Lower Upper
112 100
64 54.7 49.0 73.6
63 27.7 24.6 36.8



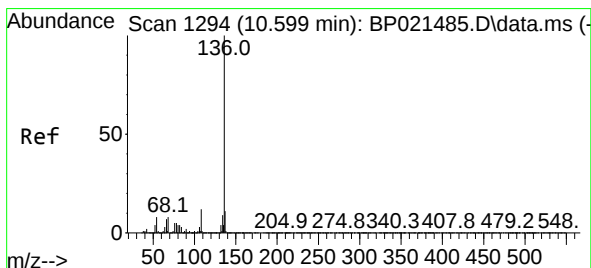
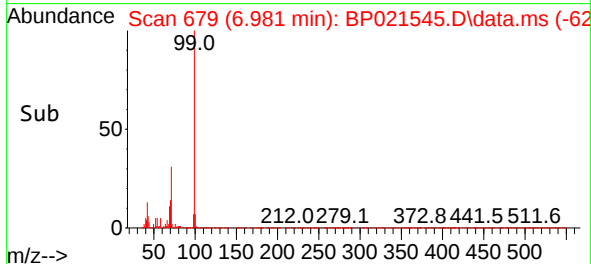
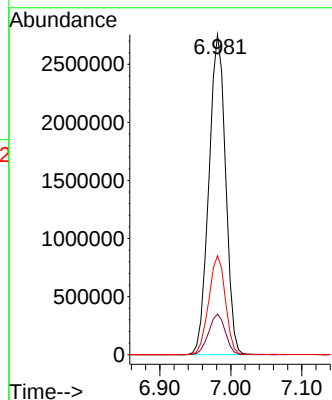


#7
Phenol-d6
Concen: 80.814 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

Instrument :
BNA_P
ClientSampleId :
OU4-TS-19-080724RE

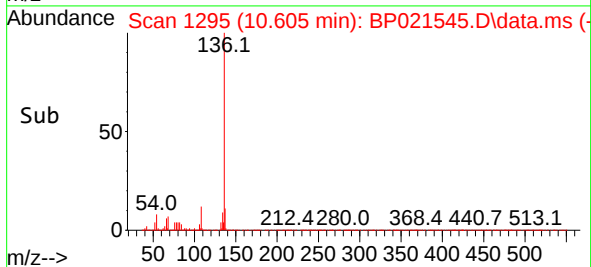
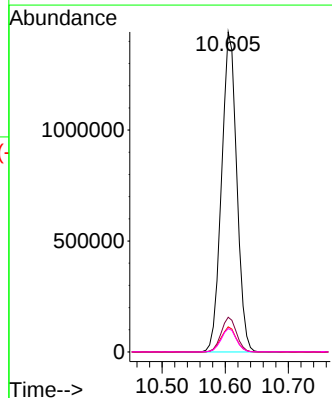
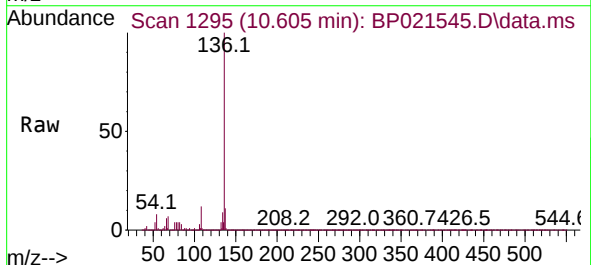


Tgt Ion: 99 Resp: 4505817
Ion Ratio Lower Upper
99 100
42 12.7 10.2 15.4
71 30.9 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1295
Delta R.T. 0.006 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

Tgt Ion: 136 Resp: 2410104
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.8 6.3 9.5
68 7.3 6.8 10.2





#23

Nitrobenzene-d5

Concen: 57.753 ng

RT: 8.963 min Scan# 1016

Delta R.T. 0.012 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

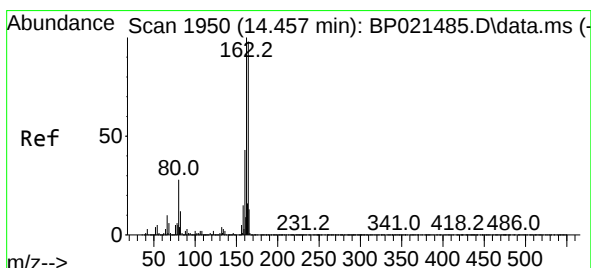
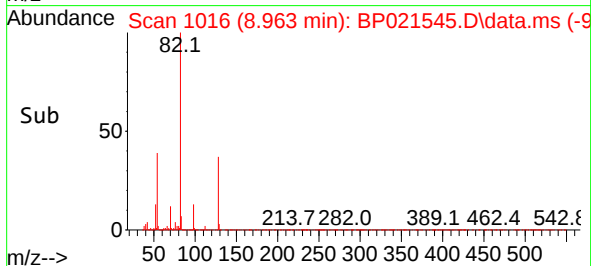
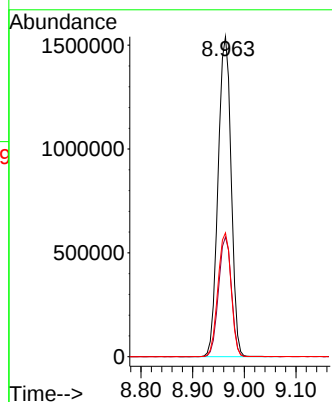
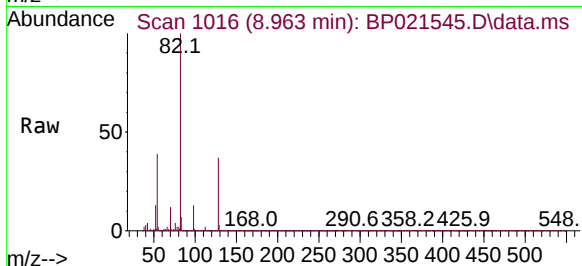
Tgt Ion: 82 Resp: 2696706

Ion Ratio Lower Upper

82 100

128 37.4 26.5 39.7

54 38.7 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: BP021545.D

Acq: 16 Aug 2024 18:49

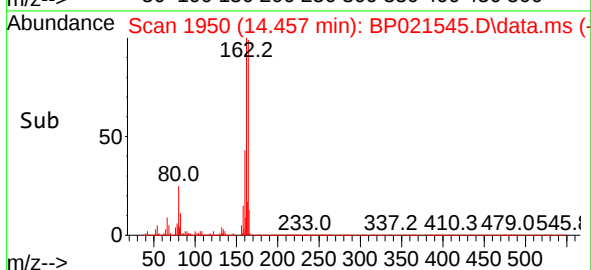
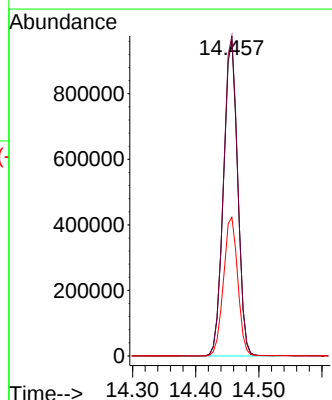
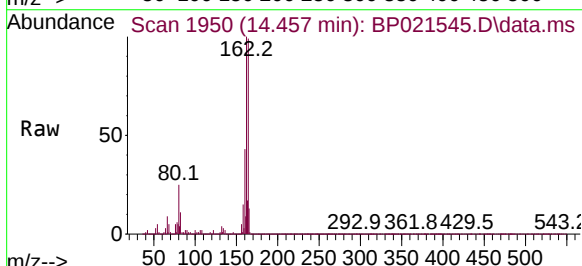
Tgt Ion:164 Resp: 1504211

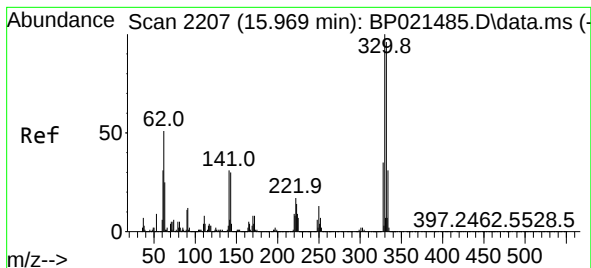
Ion Ratio Lower Upper

164 100

162 101.5 81.5 122.3

160 44.0 35.2 52.8

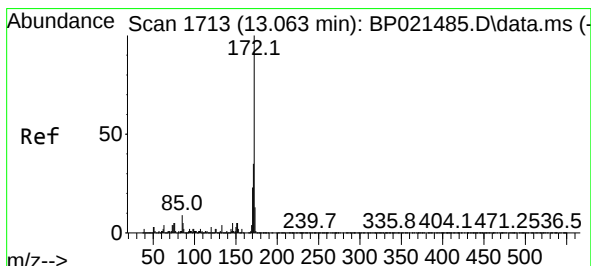
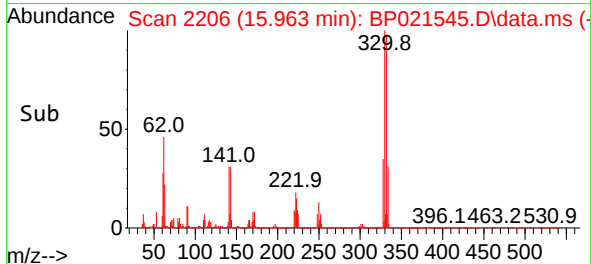
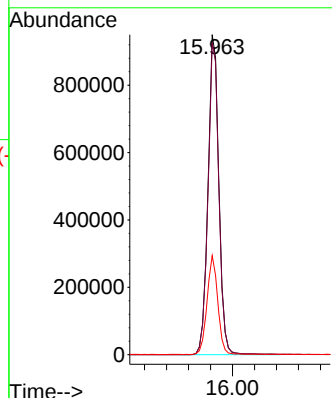
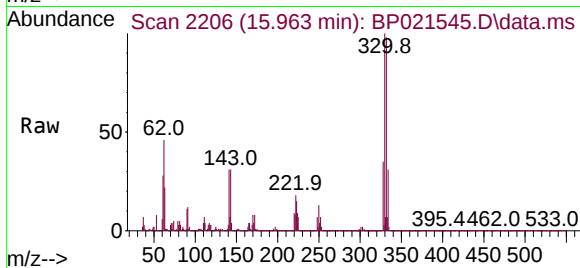




#42
2,4,6-Tribromophenol
Concen: 77.460 ng
RT: 15.963 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

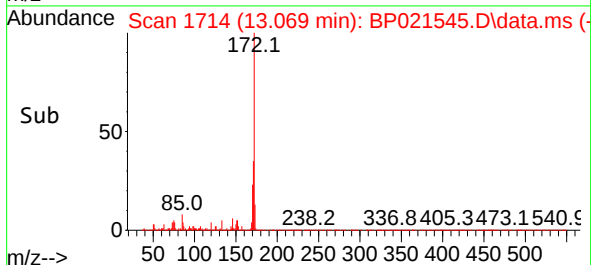
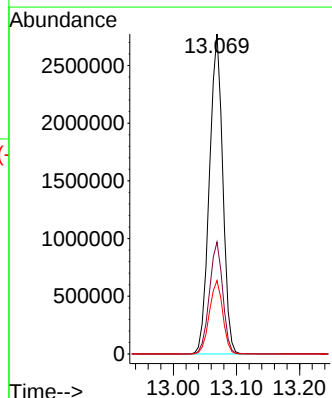
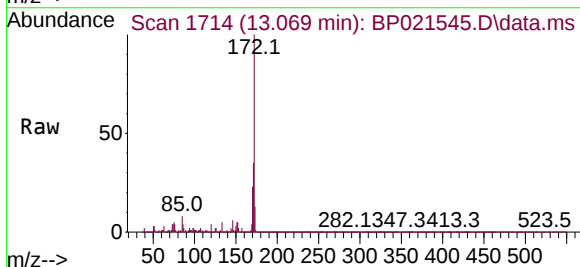
Instrument :
BNA_P
ClientSampleId :
OU4-TS-19-080724RE

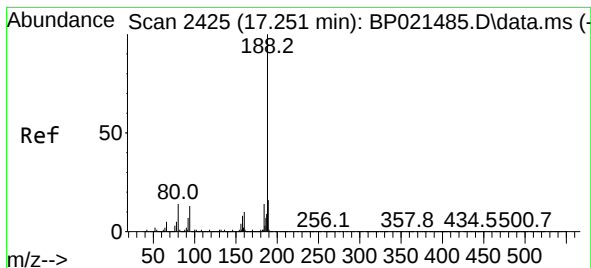
Tgt Ion:330 Resp: 1296783
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 30.6 24.5 36.7



#45
2-Fluorobiphenyl
Concen: 41.191 ng
RT: 13.069 min Scan# 1714
Delta R.T. 0.006 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

Tgt Ion:172 Resp: 4059852
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.0 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: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

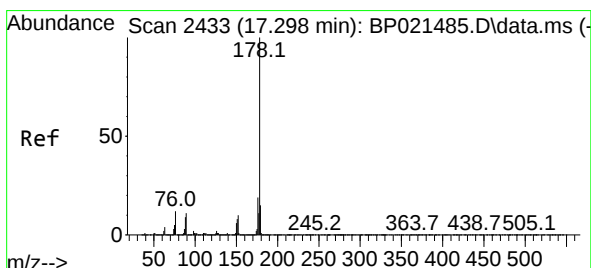
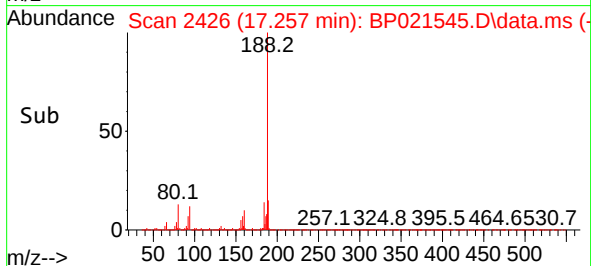
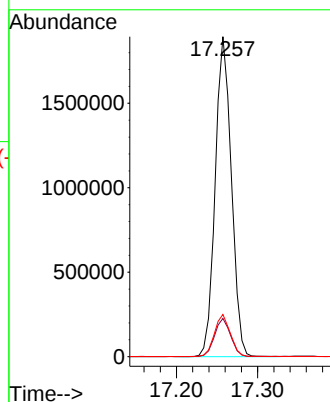
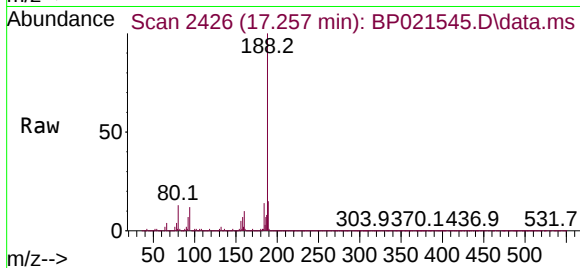
Tgt Ion:188 Resp: 2619781

Ion Ratio Lower Upper

188 100

94 12.0 10.2 15.4

80 13.2 11.6 17.4



#71

Phenanthrene

Concen: 2.613 ng

RT: 17.298 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

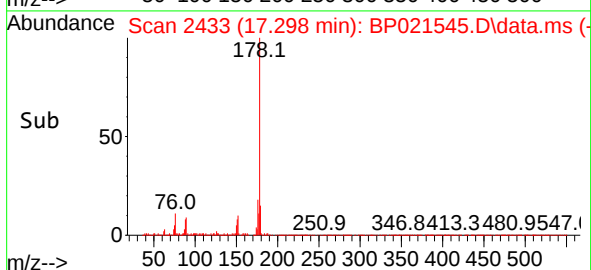
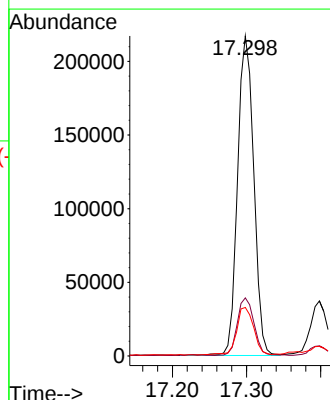
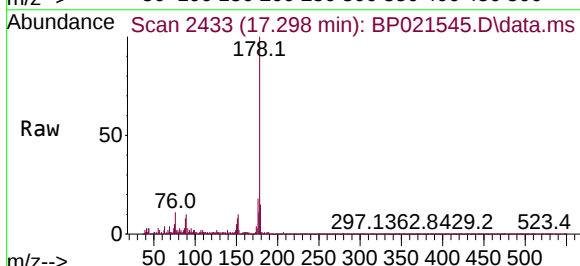
Tgt Ion:178 Resp: 329167

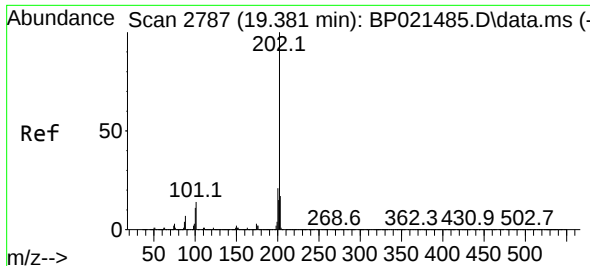
Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

179 15.2 12.4 18.6

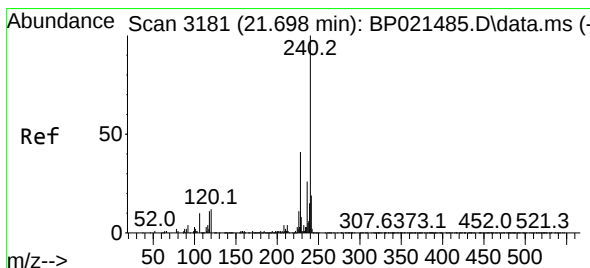
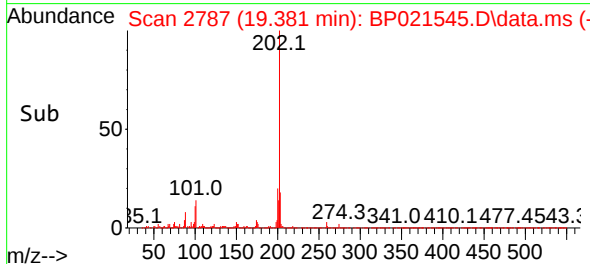
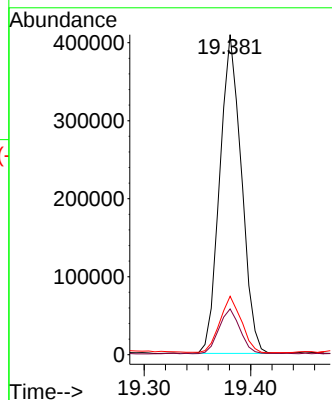
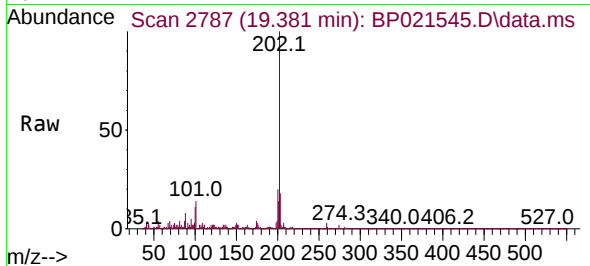




#75
Fluoranthene
Concen: 3.737 ng
RT: 19.381 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

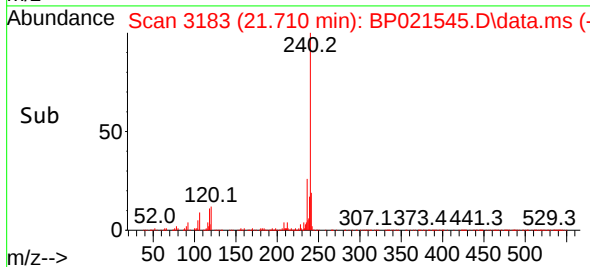
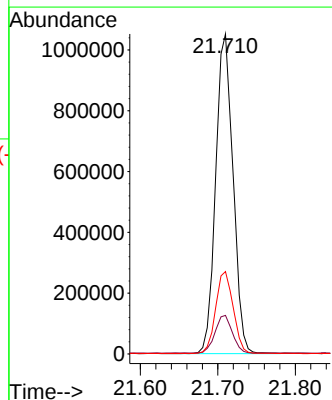
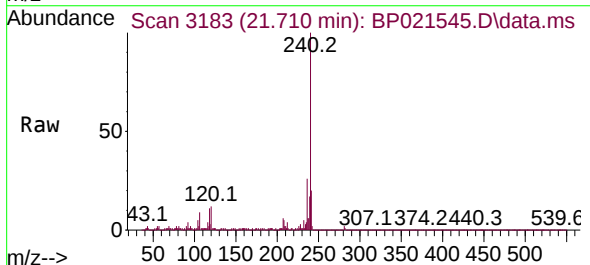
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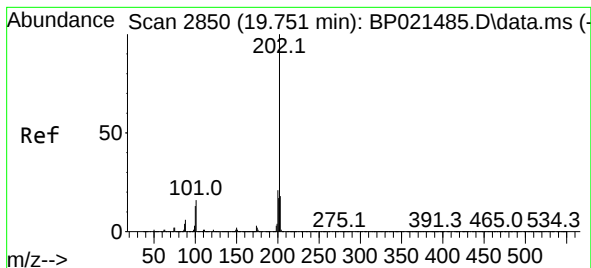
Tgt Ion:202 Resp: 577687
Ion Ratio Lower Upper
202 100
101 14.3 0.0 34.0
203 18.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

Tgt Ion:240 Resp: 1633933
Ion Ratio Lower Upper
240 100
120 12.1 9.9 14.9
236 25.7 20.6 30.8





#78

Pyrene

Concen: 5.003 ng

RT: 19.757 min Scan# 2851

Delta R.T. 0.006 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

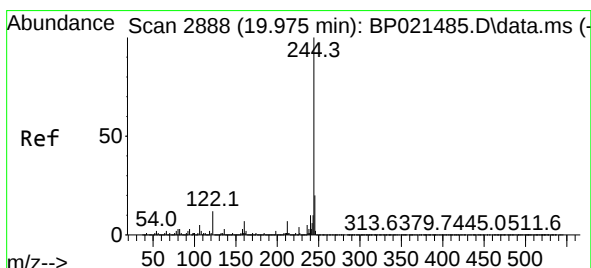
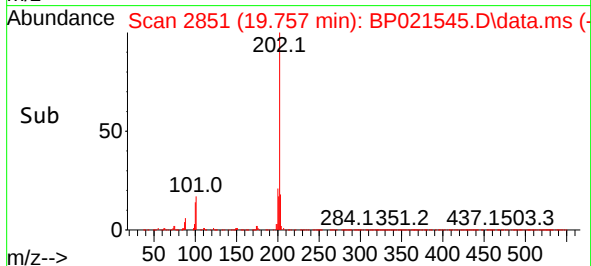
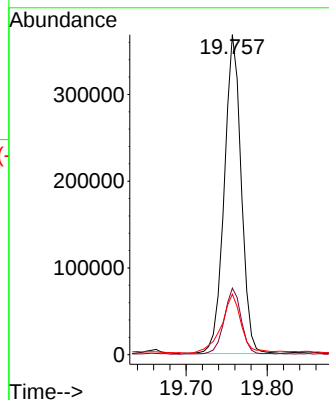
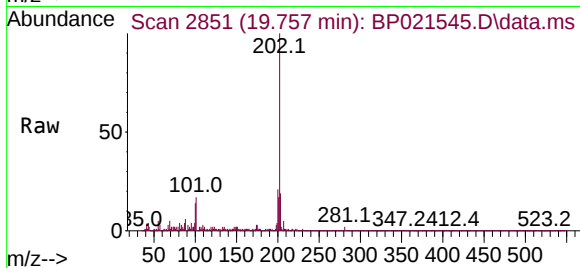
Tgt Ion:202 Resp: 534275

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 18.9 14.1 21.1



#79

Terphenyl-d14

Concen: 41.789 ng

RT: 19.975 min Scan# 2888

Delta R.T. -0.000 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

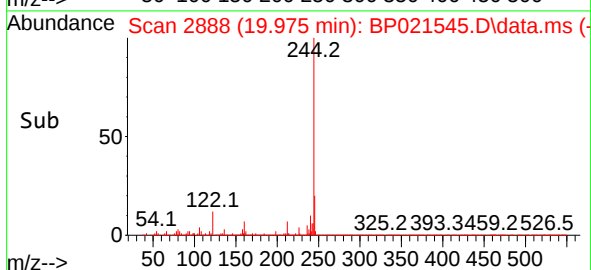
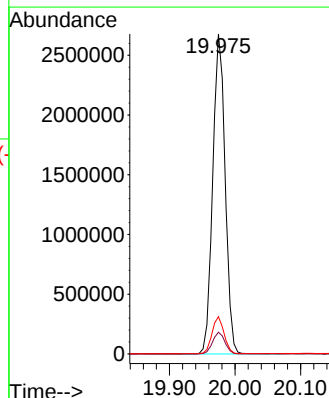
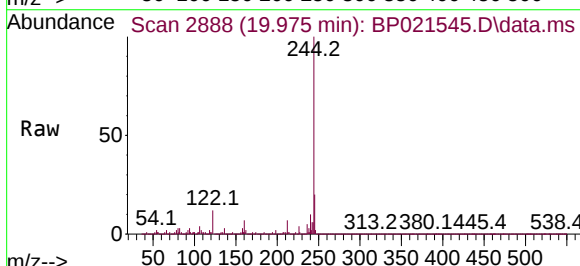
Tgt Ion:244 Resp: 3514634

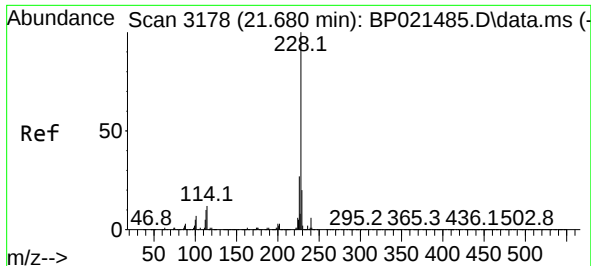
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.6 9.4 14.2

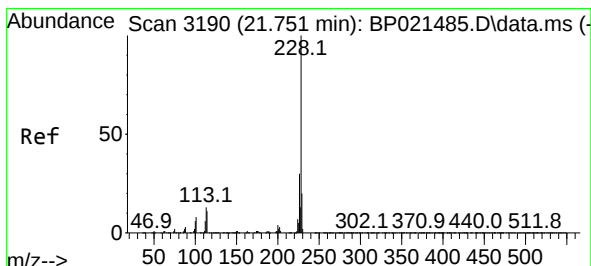
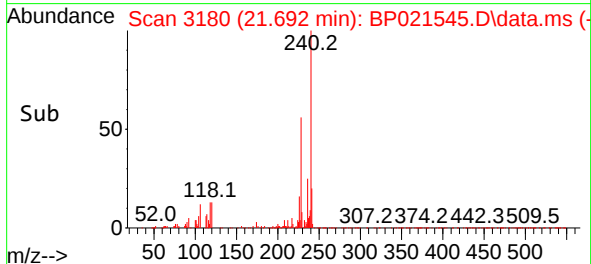
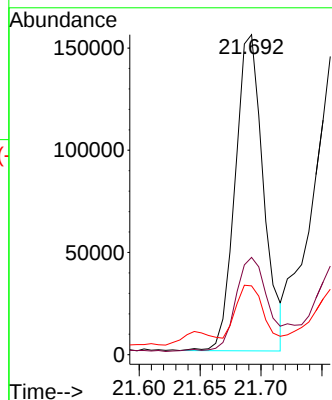
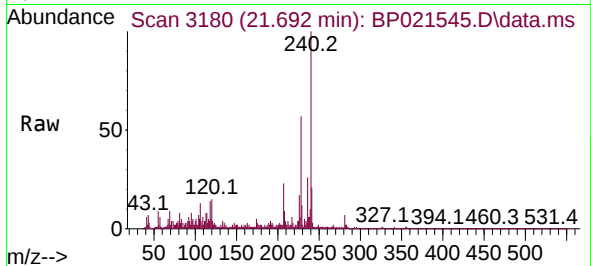




#81
Benzo(a)anthracene
Concen: 2.432 ng
RT: 21.692 min Scan# 3180
Delta R.T. 0.012 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

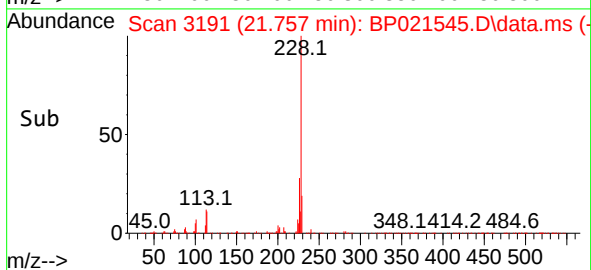
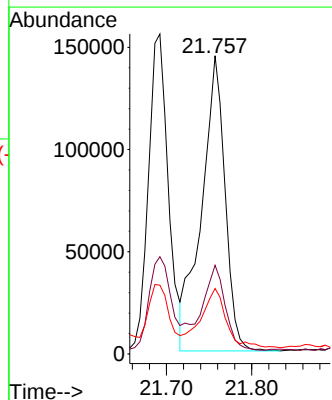
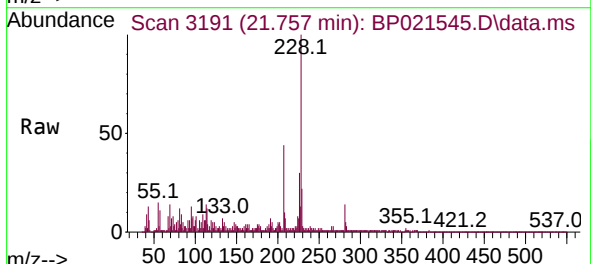
Instrument :
BNA_P
ClientSampleId :
OU4-TS-19-080724RE

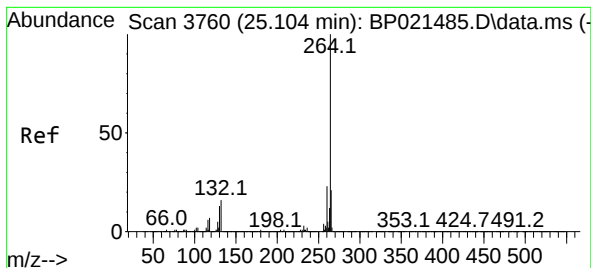
Tgt Ion:228 Resp: 249495
Ion Ratio Lower Upper
228 100
226 30.4 21.4 32.2
229 21.5 15.8 23.6



#83
Chrysene
Concen: 2.867 ng
RT: 21.757 min Scan# 3191
Delta R.T. 0.006 min
Lab File: BP021545.D
Acq: 16 Aug 2024 18:49

Tgt Ion:228 Resp: 277603
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 22.0 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.133 min Scan# 31

Delta R.T. 0.029 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE

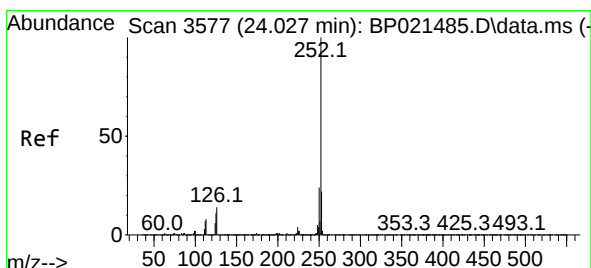
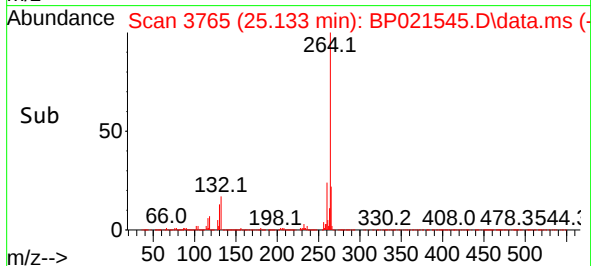
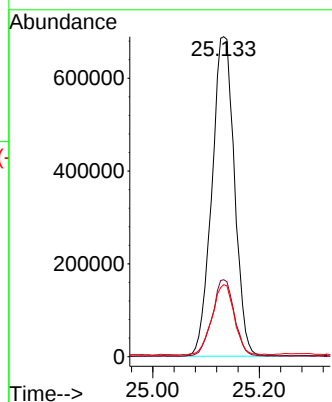
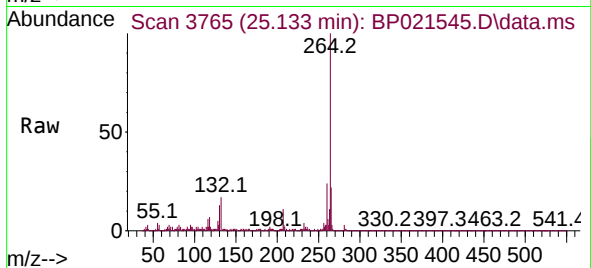
Tgt Ion:264 Resp: 2021792

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.5 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 3.274 ng

RT: 24.051 min Scan# 3581

Delta R.T. 0.024 min

Lab File: BP021545.D

Acq: 16 Aug 2024 18:49

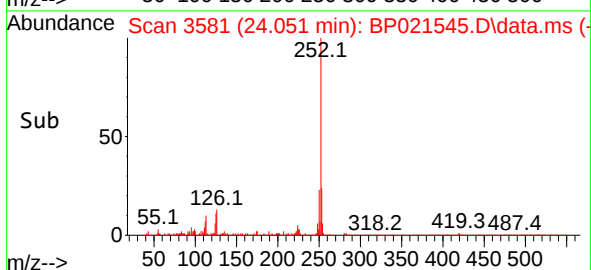
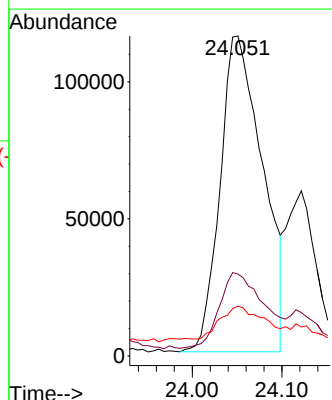
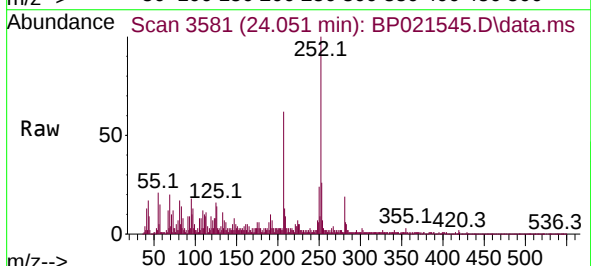
Tgt Ion:252 Resp: 380171

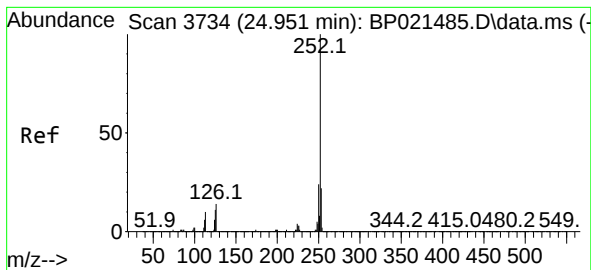
Ion Ratio Lower Upper

252 100

253 25.6 17.6 26.4

125 15.6 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 2.569 ng

RT: 24.974 min Scan# 31

Delta R.T. 0.024 min

Lab File: BP021545.D

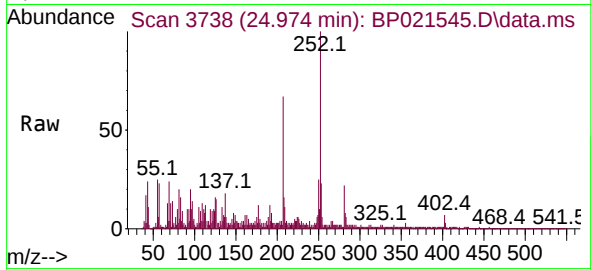
Acq: 16 Aug 2024 18:49

Instrument :

BNA_P

ClientSampleId :

OU4-TS-19-080724RE



Tgt Ion:252 Resp: 258893

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 15.9 8.7 13.1#

