

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
 Data File : BP021530.D
 Acq On : 16 Aug 2024 02:34
 Operator : RC/JU
 Sample : P3598-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 JC-03-081324-B

Quant Time: Aug 16 03:17:32 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)

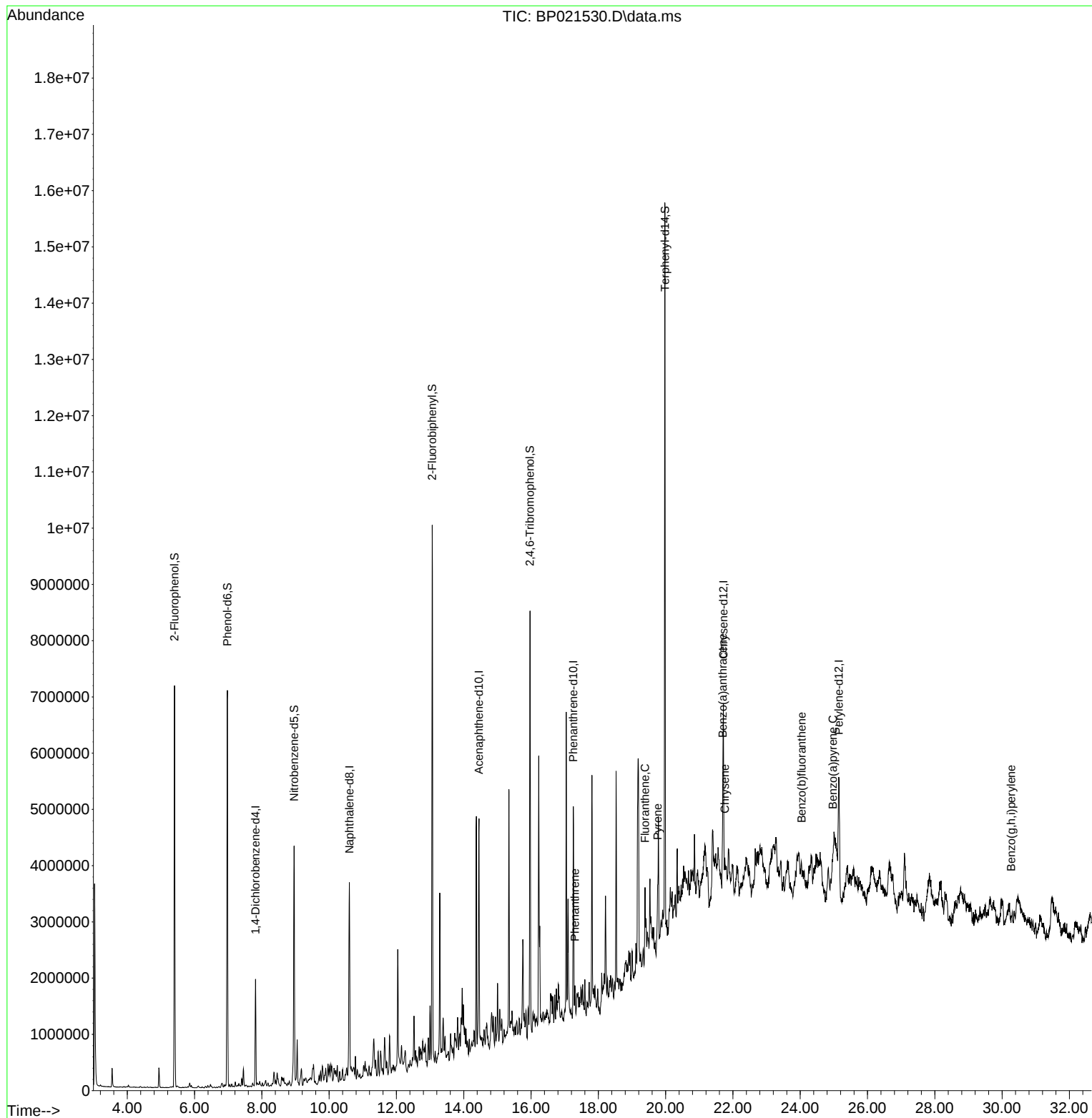
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	488611	20.000	ng	0.00
21) Naphthalene-d8	10.605	136	1970002	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	1220381	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2390173	20.000	ng	0.00
76) Chrysene-d12	21.716	240	1841753	20.000	ng	0.02
86) Perylene-d12	25.151	264	2155843	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	3297157	100.199	ng	0.01
7) Phenol-d6	6.975	99	4631411	96.483	ng	0.01
23) Nitrobenzene-d5	8.958	82	2728921	71.499	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	1496326	110.167	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	5017287	62.744	ng	0.00
79) Terphenyl-d14	19.981	244	6271579	66.154	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.304	178	330895	2.879	ng	97
75) Fluoranthene	19.386	202	650173	4.610	ng	97
78) Pyrene	19.763	202	644721	5.356	ng	98
81) Benzo(a)anthracene	21.698	228	328469	2.841	ng	# 80
83) Chrysene	21.763	228	347582	3.184	ng	# 86
88) Benzo(b)fluoranthene	24.045	252	421923	3.408	ng	# 69
90) Benzo(a)pyrene	24.974	252	323812	3.014	ng	# 68
92) Benzo(g,h,i)perylene	30.268	276	240155	2.064	ng	# 83

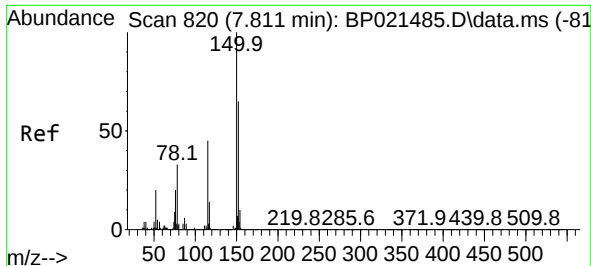
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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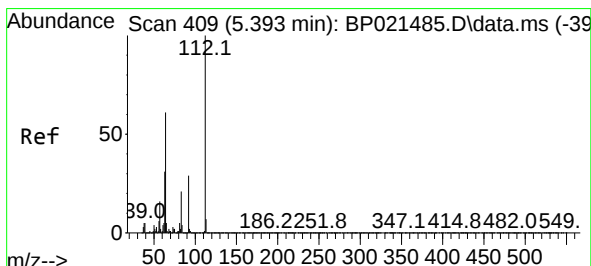
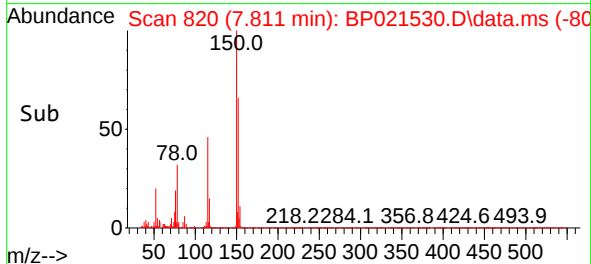
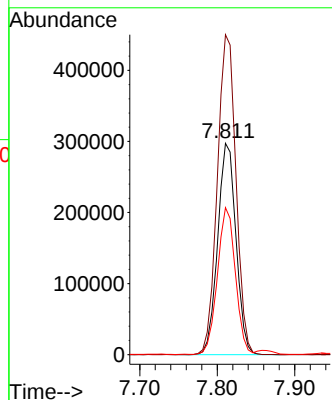
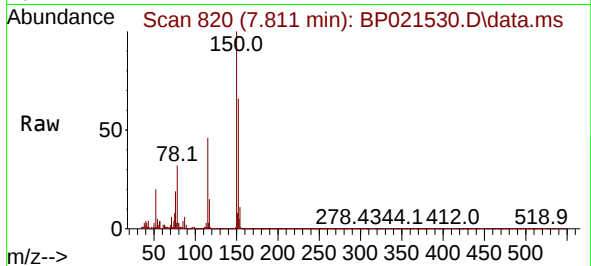




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021530.D
Acq: 16 Aug 2024 02:34

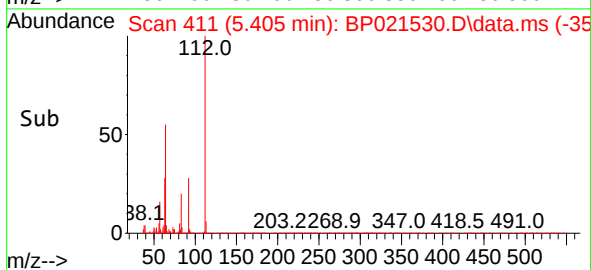
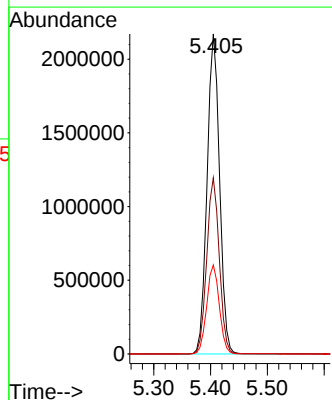
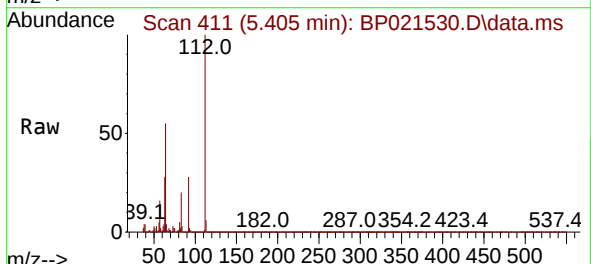
Instrument :
BNA_P
ClientSampleId :
JC-03-081324-B

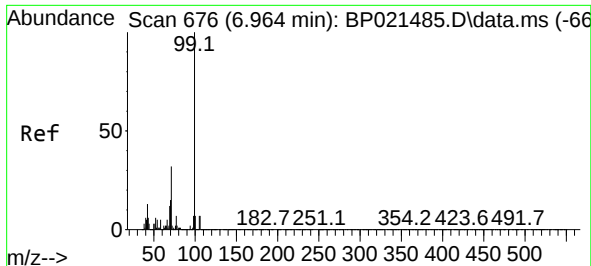
Tgt Ion:152 Resp: 488611
Ion Ratio Lower Upper
152 100
150 151.4 122.4 183.6
115 69.6 54.7 82.1



#5
2-Fluorophenol
Concen: 100.199 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.012 min
Lab File: BP021530.D
Acq: 16 Aug 2024 02:34

Tgt Ion:112 Resp: 3297157
Ion Ratio Lower Upper
112 100
64 55.0 49.0 73.6
63 27.8 24.6 36.8

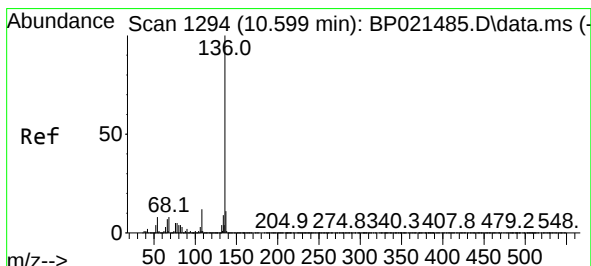
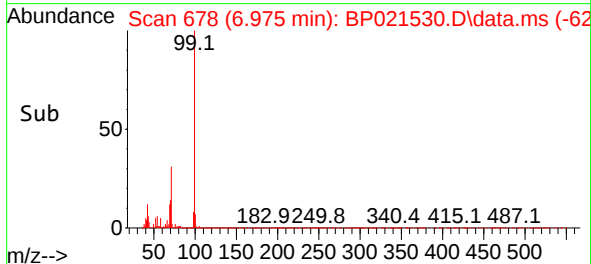
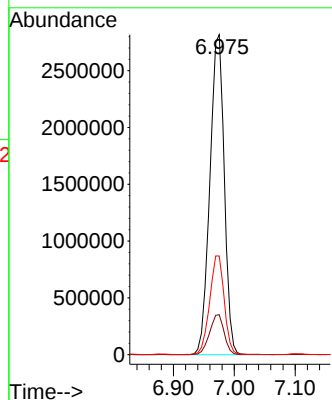
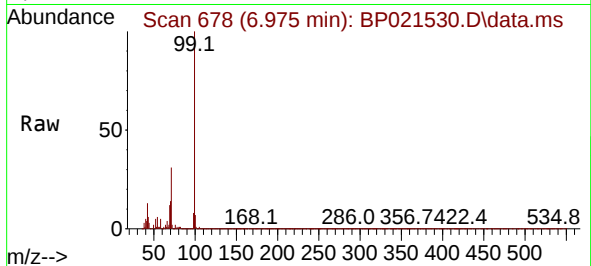




#7
Phenol-d6
Concen: 96.483 ng
RT: 6.975 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP021530.D
Acq: 16 Aug 2024 02:34

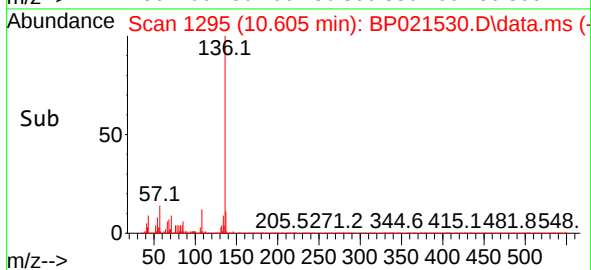
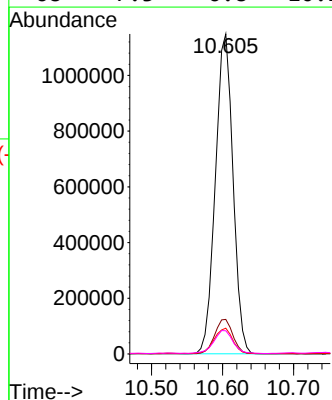
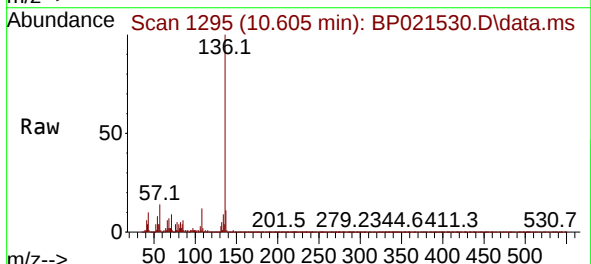
Instrument :
BNA_P
ClientSampleId :
JC-03-081324-B

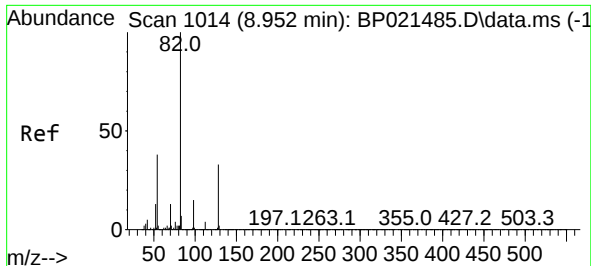
Tgt Ion: 99 Resp: 4631411
Ion Ratio Lower Upper
99 100
42 12.5 10.2 15.4
71 30.8 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1295
Delta R.T. 0.006 min
Lab File: BP021530.D
Acq: 16 Aug 2024 02:34

Tgt Ion: 136 Resp: 1970002
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.1 6.3 9.5
68 7.3 6.8 10.2





#23

Nitrobenzene-d5

Concen: 71.499 ng

RT: 8.958 min Scan# 1014

Delta R.T. 0.006 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

Instrument :

BNA_P

ClientSampleId :

JC-03-081324-B

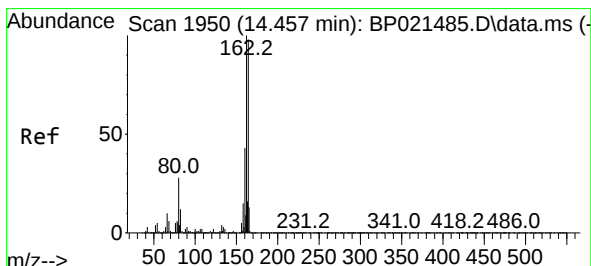
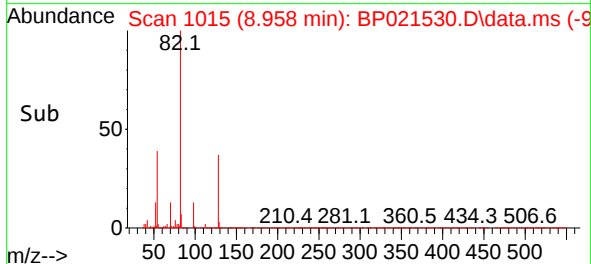
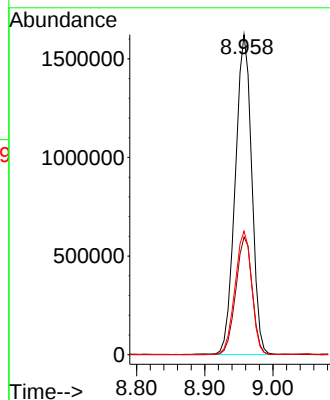
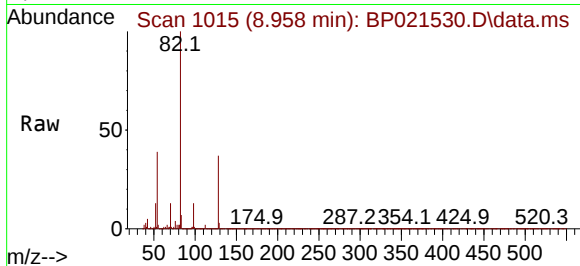
Tgt Ion: 82 Resp: 2728921

Ion Ratio Lower Upper

82 100

128 36.8 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: BP021530.D

Acq: 16 Aug 2024 02:34

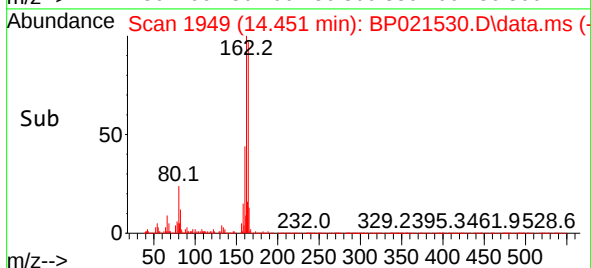
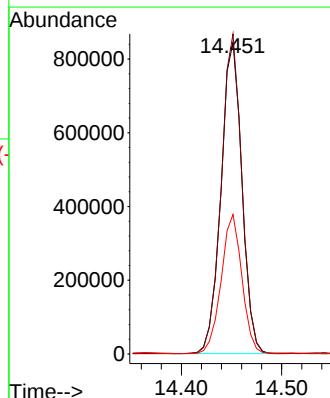
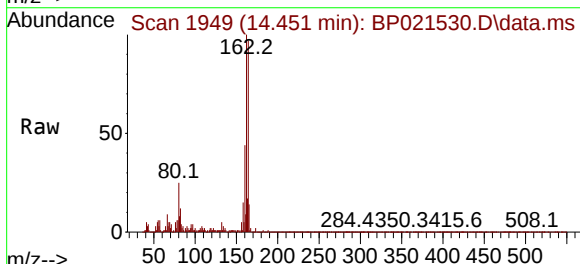
Tgt Ion:164 Resp: 1220381

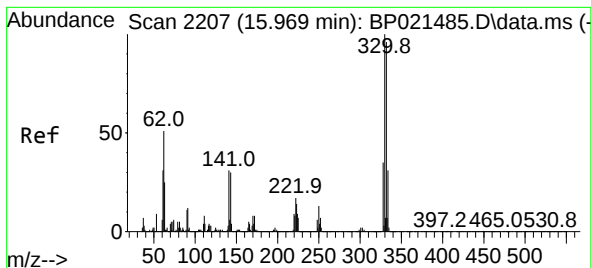
Ion Ratio Lower Upper

164 100

162 102.7 81.5 122.3

160 44.8 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 110.167 ng

RT: 15.969 min Scan# 2207

Delta R.T. 0.000 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

Instrument :

BNA_P

ClientSampleId :

JC-03-081324-B

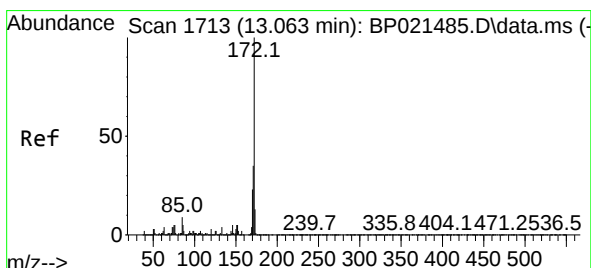
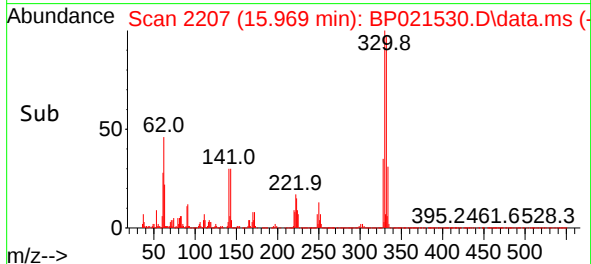
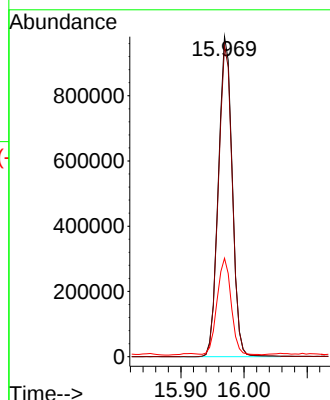
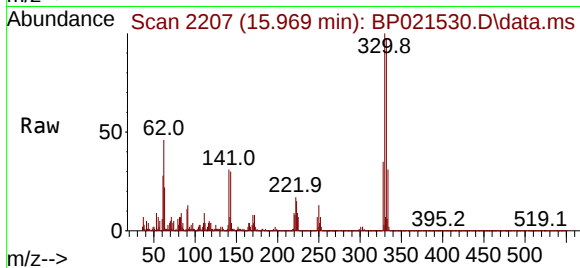
Tgt Ion:330 Resp: 1496326

Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.0

141 30.5 24.5 36.7



#45

2-Fluorobiphenyl

Concen: 62.744 ng

RT: 13.063 min Scan# 1713

Delta R.T. 0.000 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

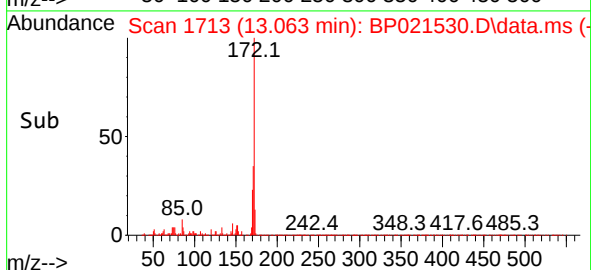
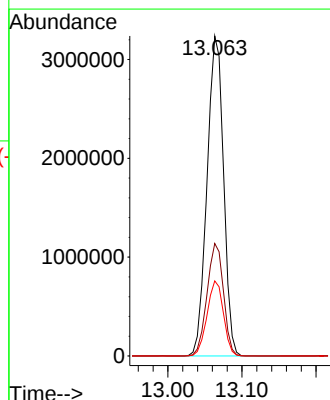
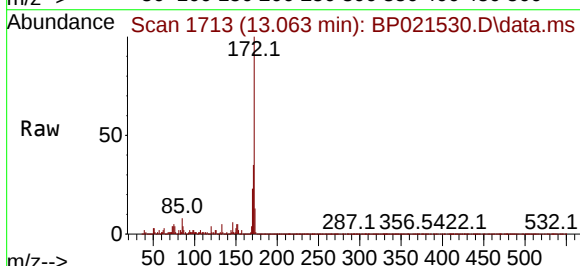
Tgt Ion:172 Resp: 5017287

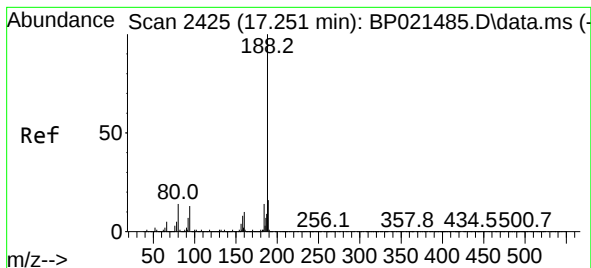
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.4 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: BP021530.D

Acq: 16 Aug 2024 02:34

Instrument :

BNA_P

ClientSampleId :

JC-03-081324-B

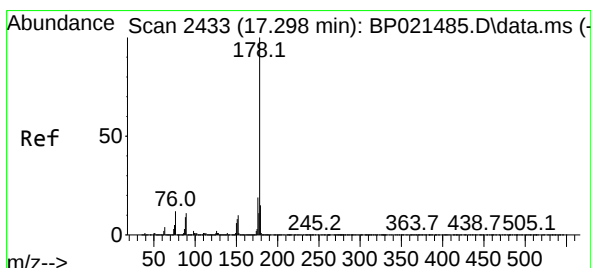
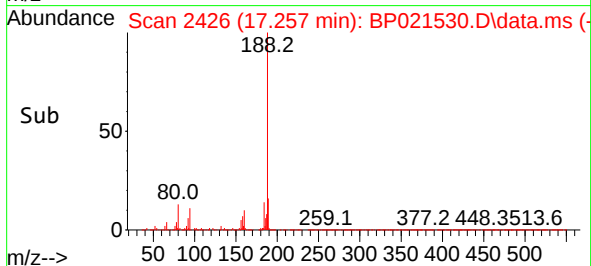
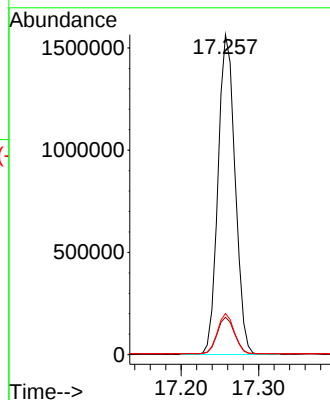
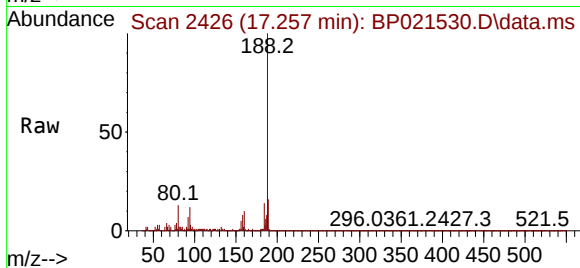
Tgt Ion:188 Resp: 2390173

Ion Ratio Lower Upper

188 100

94 11.7 10.2 15.4

80 12.9 11.6 17.4



#71

Phenanthrene

Concen: 2.879 ng

RT: 17.304 min Scan# 2434

Delta R.T. 0.006 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

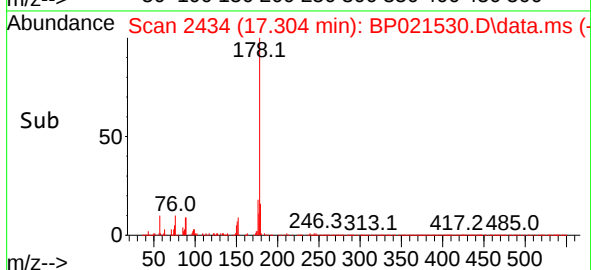
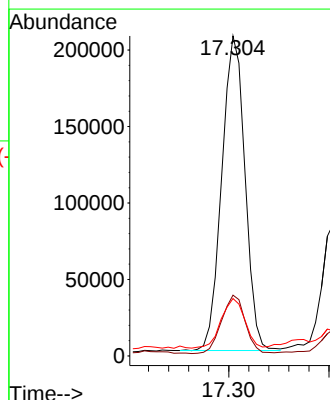
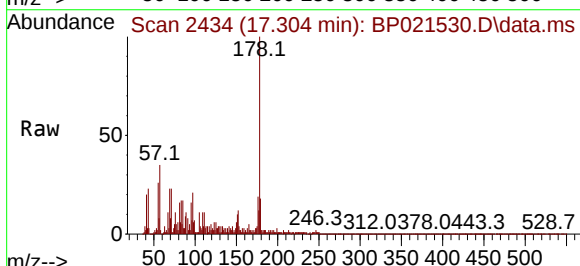
Tgt Ion:178 Resp: 330895

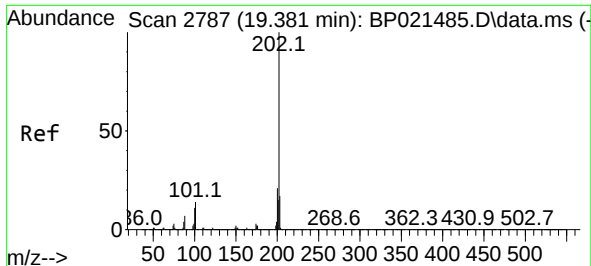
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 18.0 12.4 18.6

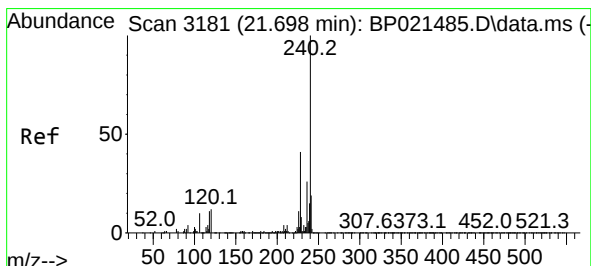
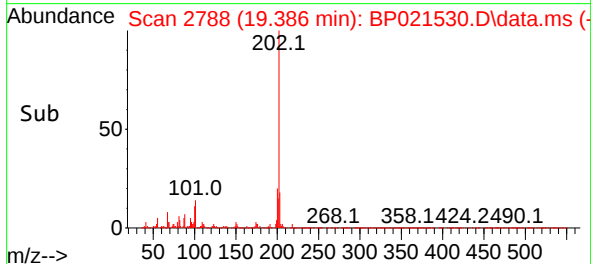
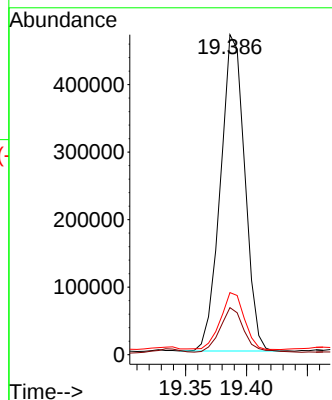
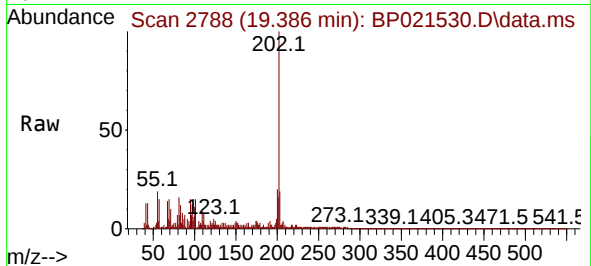




#75
Fluoranthene
Concen: 4.610 ng
RT: 19.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021530.D
Acq: 16 Aug 2024 02:34

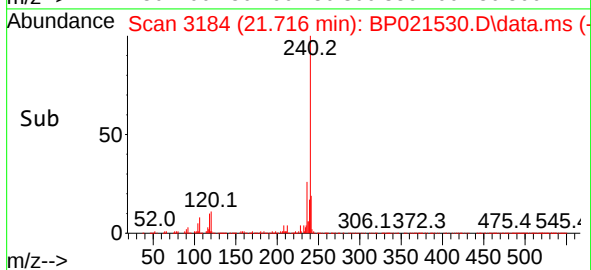
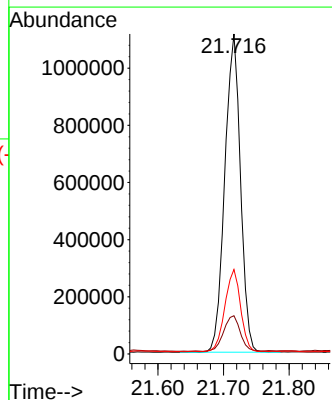
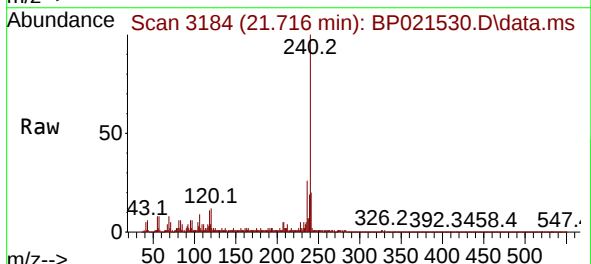
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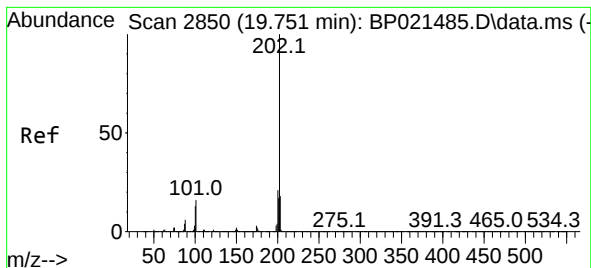
Tgt Ion:202 Resp: 650173
Ion Ratio Lower Upper
202 100
101 14.7 0.0 34.0
203 19.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. 0.018 min
Lab File: BP021530.D
Acq: 16 Aug 2024 02:34

Tgt Ion:240 Resp: 1841753
Ion Ratio Lower Upper
240 100
120 11.9 9.9 14.9
236 26.4 20.6 30.8





#78

Pyrene

Concen: 5.356 ng

RT: 19.763 min Scan# 2852

Delta R.T. 0.012 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

Instrument :

BNA_P

ClientSampleId :

JC-03-081324-B

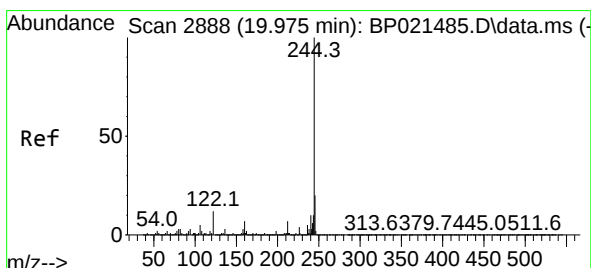
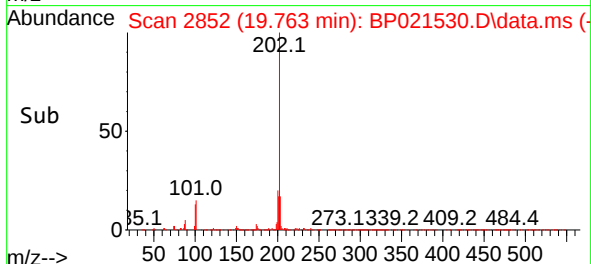
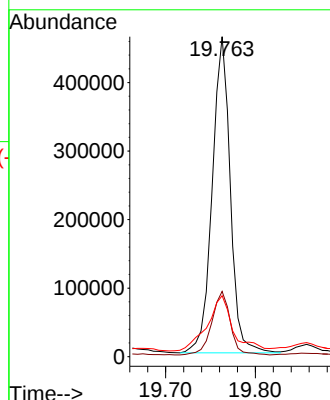
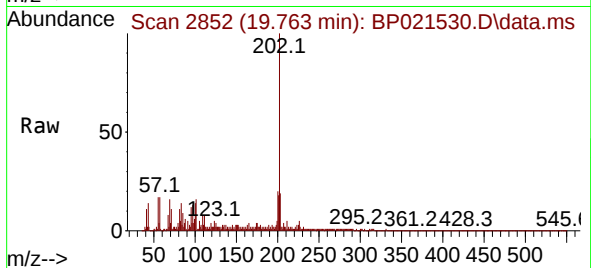
Tgt Ion:202 Resp: 644721

Ion Ratio Lower Upper

202 100

200 20.4 16.7 25.1

203 19.0 14.1 21.1



#79

Terphenyl-d14

Concen: 66.154 ng

RT: 19.981 min Scan# 2889

Delta R.T. 0.006 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

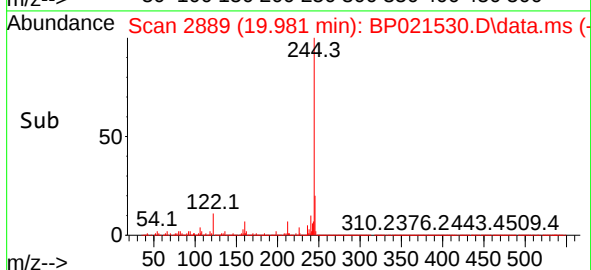
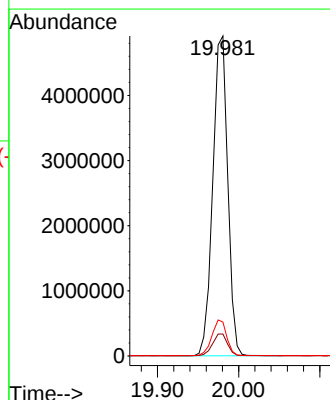
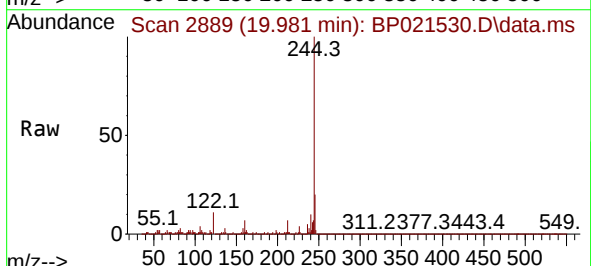
Tgt Ion:244 Resp: 6271579

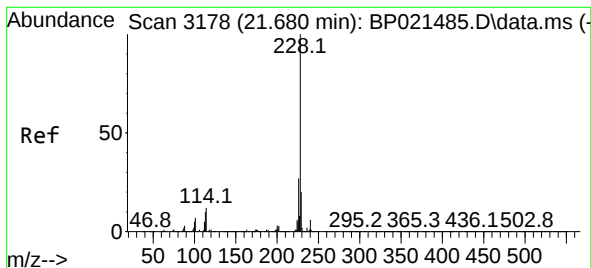
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.6 9.4 14.2





#81

Benzo(a)anthracene

Concen: 2.841 ng

RT: 21.698 min Scan# 3181

Delta R.T. 0.018 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

Instrument :

BNA_P

ClientSampleId :

JC-03-081324-B

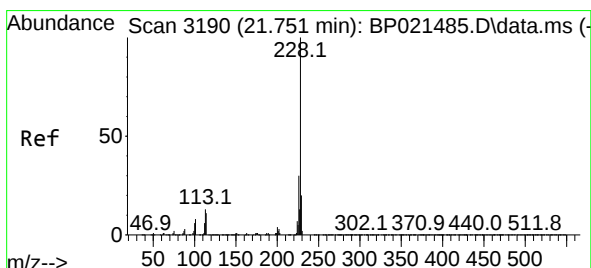
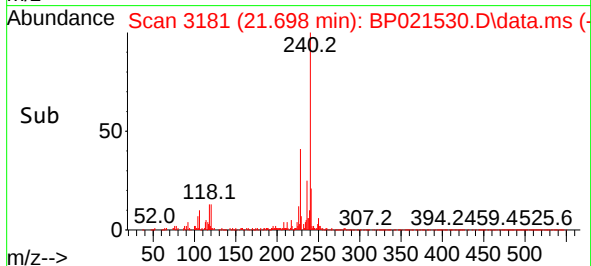
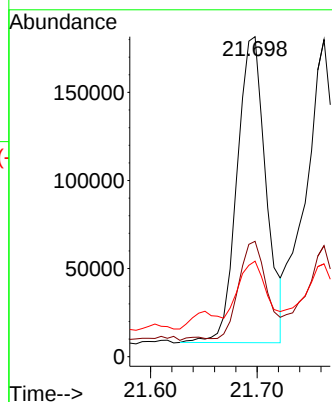
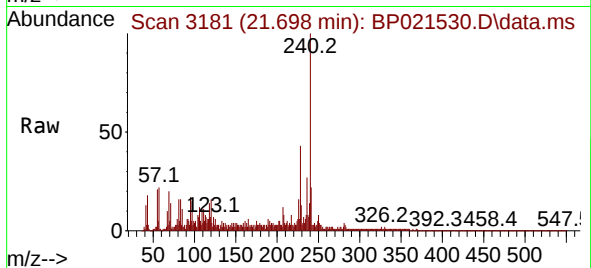
Tgt Ion:228 Resp: 328469

Ion Ratio Lower Upper

228 100

226 36.0 21.4 32.2#

229 29.8 15.8 23.6#



#83

Chrysene

Concen: 3.184 ng

RT: 21.763 min Scan# 3192

Delta R.T. 0.012 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

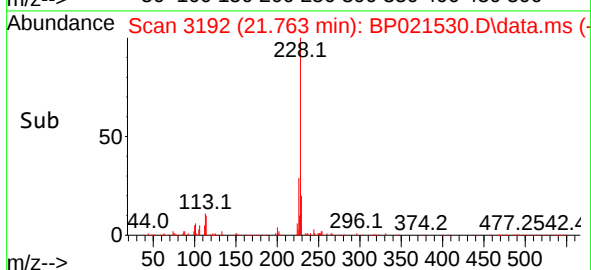
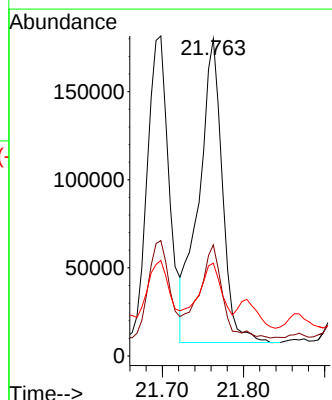
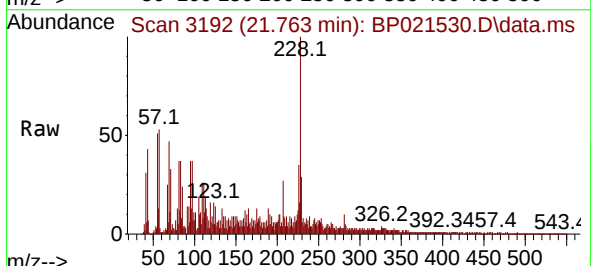
Tgt Ion:228 Resp: 347582

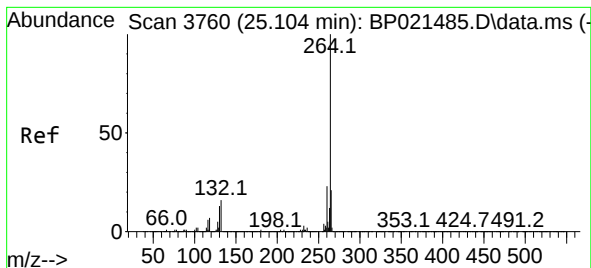
Ion Ratio Lower Upper

228 100

226 35.0 23.9 35.9

229 29.3 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.151 min Scan# 3

Delta R.T. 0.047 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

Instrument :

BNA_P

ClientSampleId :

JC-03-081324-B

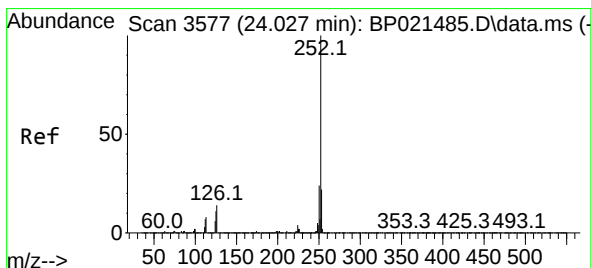
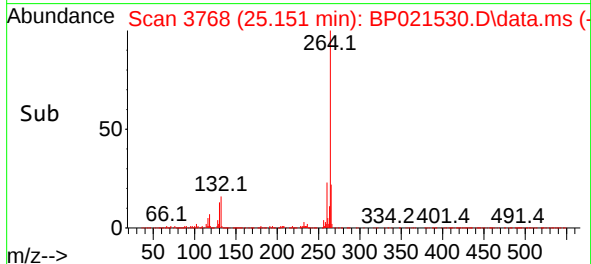
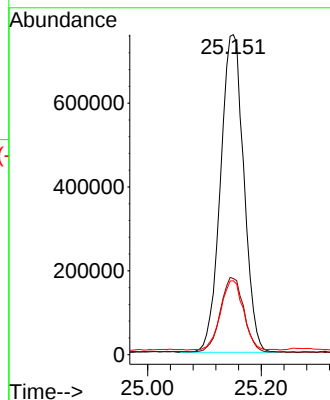
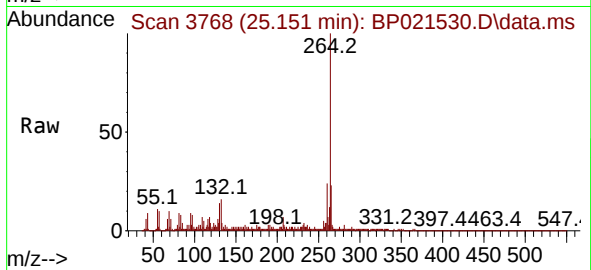
Tgt Ion:264 Resp: 2155843

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 23.1 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 3.408 ng

RT: 24.045 min Scan# 3580

Delta R.T. 0.018 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

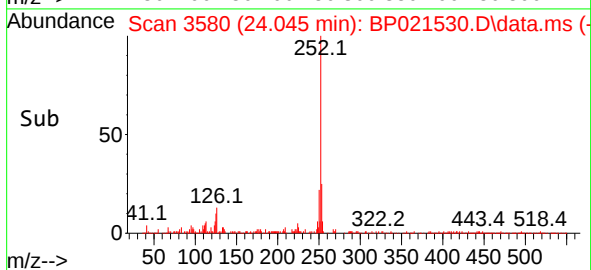
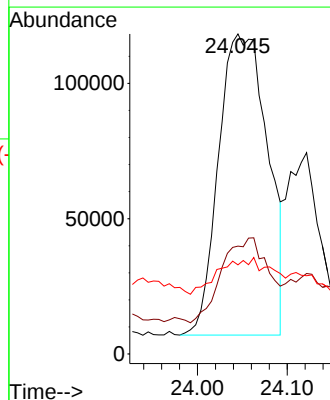
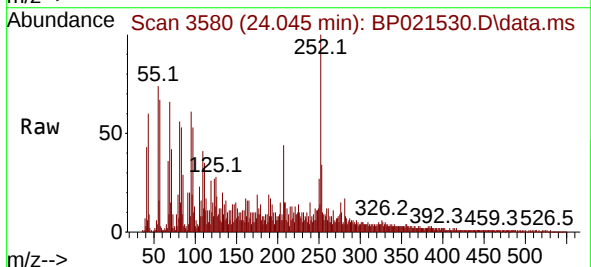
Tgt Ion:252 Resp: 421923

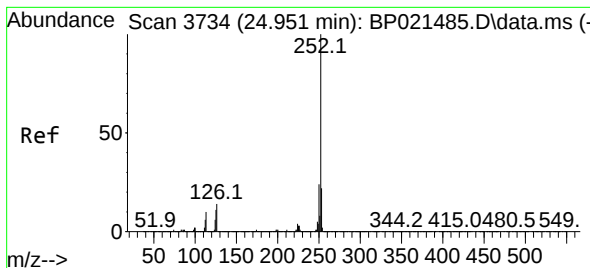
Ion Ratio Lower Upper

252 100

253 33.7 17.6 26.4#

125 27.9 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 3.014 ng

RT: 24.974 min Scan# 31

Delta R.T. 0.024 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

Instrument :

BNA_P

ClientSampleId :

JC-03-081324-B

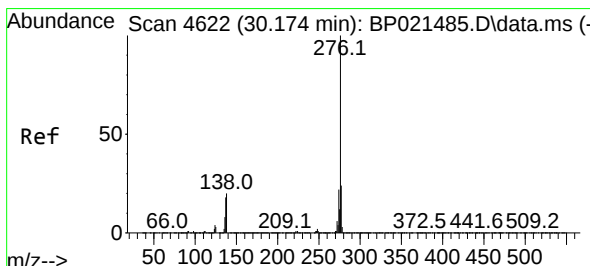
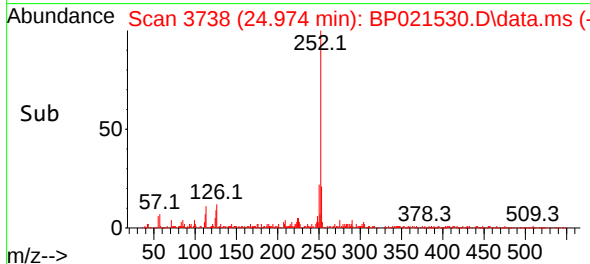
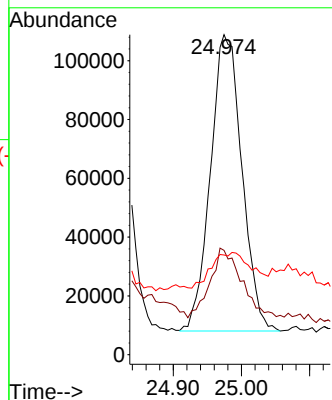
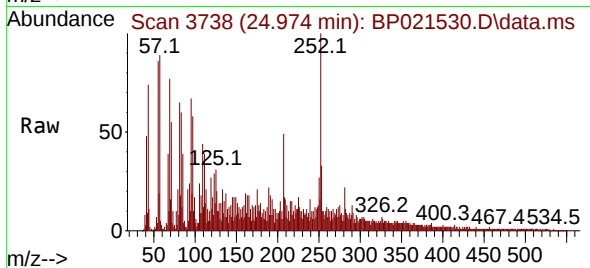
Tgt Ion:252 Resp: 323812

Ion Ratio Lower Upper

252 100

253 32.6 17.7 26.5#

125 31.2 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 2.064 ng

RT: 30.268 min Scan# 4638

Delta R.T. 0.094 min

Lab File: BP021530.D

Acq: 16 Aug 2024 02:34

Tgt Ion:276 Resp: 240155

Ion Ratio Lower Upper

276 100

277 30.0 19.0 28.6#

138 29.8 16.0 24.0#

