

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060524\
 Data File : BP020531.D
 Acq On : 06 Jun 2024 00:57
 Operator : MA/JU
 Sample : P2683-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-5

Quant Time: Jun 06 02:23:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 03:41:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

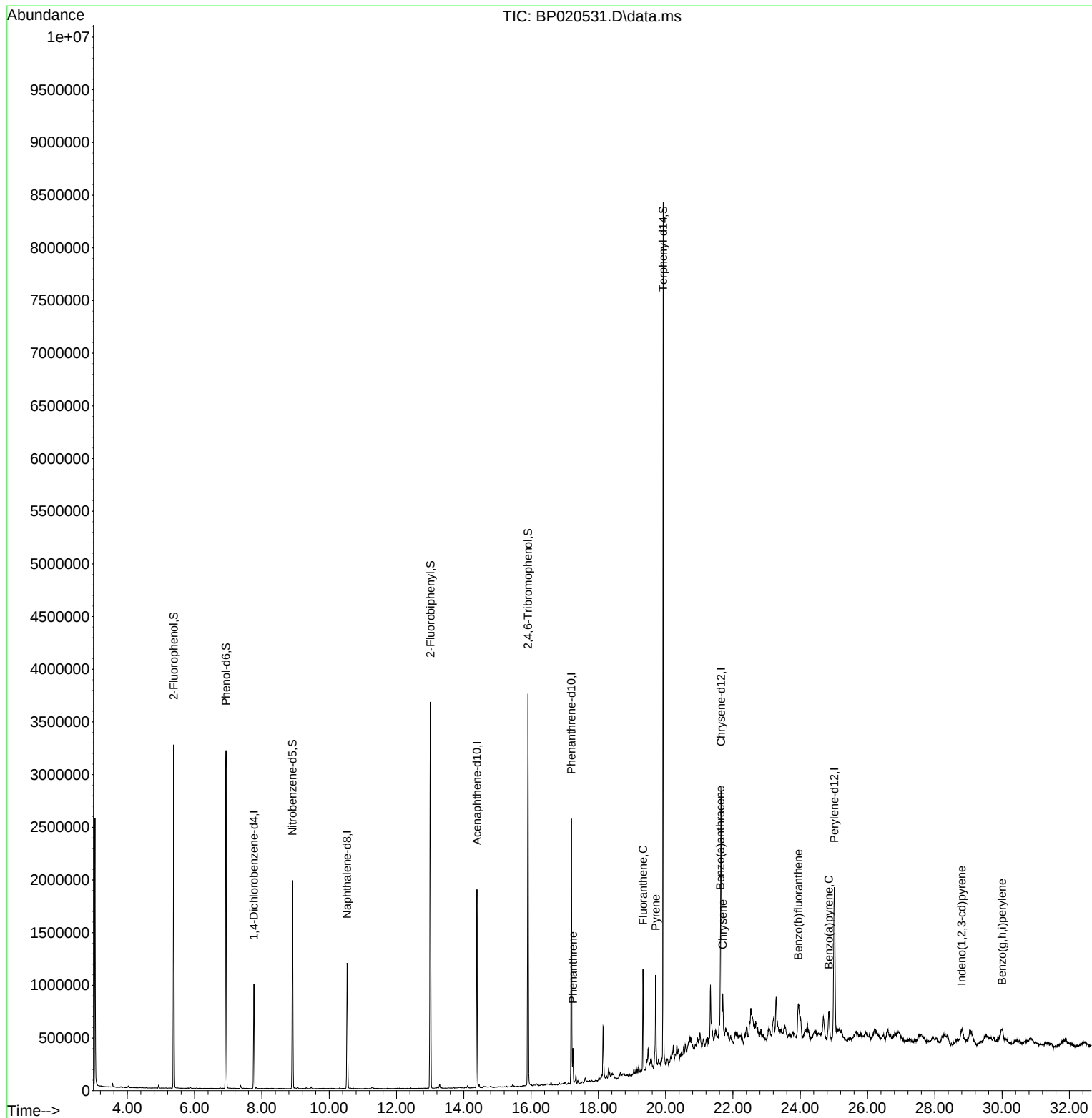
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	280722	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1077540	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	695255	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	1517697	20.000	ng	0.00
76) Chrysene-d12	21.645	240	1416477	20.000	ng	-0.02
86) Perylene-d12	25.015	264	1622237	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1360212	86.755	ng	0.00
7) Phenol-d6	6.934	99	1789434	80.929	ng	0.00
23) Nitrobenzene-d5	8.910	82	1089890	55.367	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	761580	105.549	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	2169131	46.509	ng	0.00
79) Terphenyl-d14	19.927	244	3676798	43.212	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	17.245	178	214231	2.872	ng	99
75) Fluoranthene	19.327	202	608148	6.890	ng	99
78) Pyrene	19.704	202	547227	5.136	ng	99
81) Benzo(a)anthracene	21.627	228	301830	3.236	ng	98
83) Chrysene	21.698	228	300530	3.420	ng	97
87) Indeno(1,2,3-cd)pyrene	28.797	276	207846	2.107	ng	# 88
88) Benzo(b)fluoranthene	23.939	252	410959	4.066	ng	98
90) Benzo(a)pyrene	24.851	252	290469	3.470	ng	96
92) Benzo(g,h,i)perylene	30.003	276	200192	2.434	ng	97

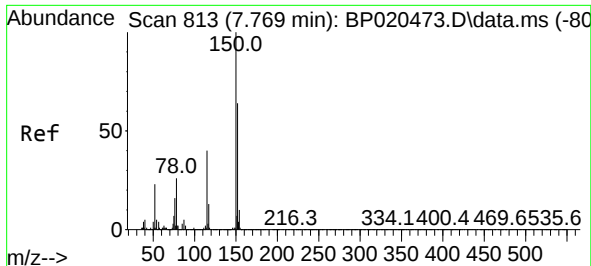
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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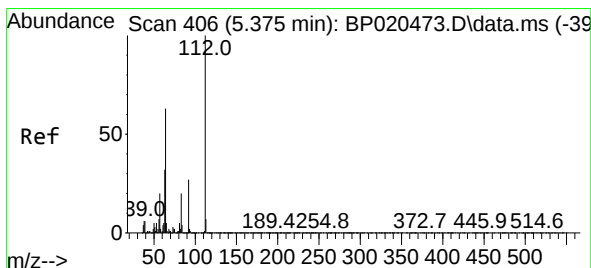
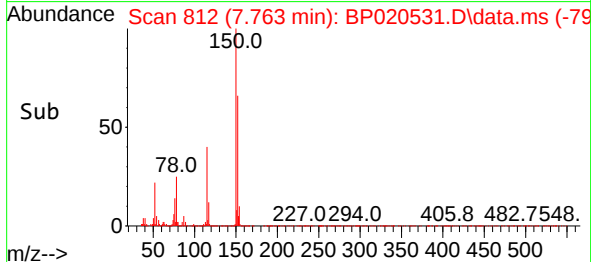
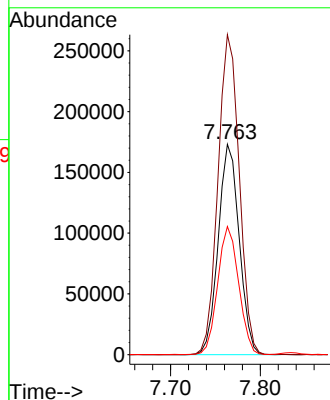
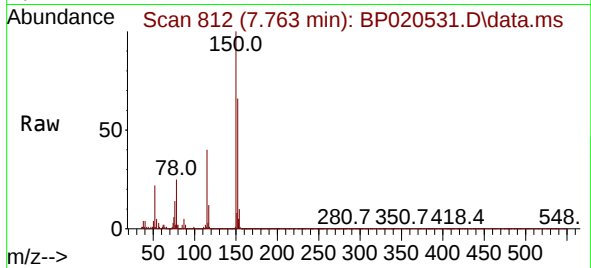




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

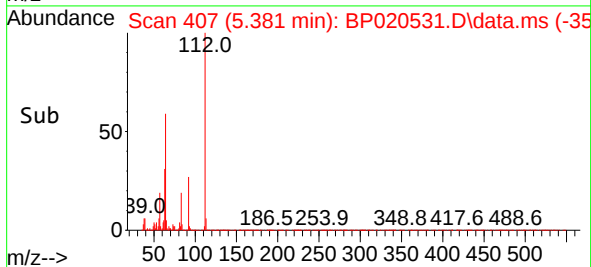
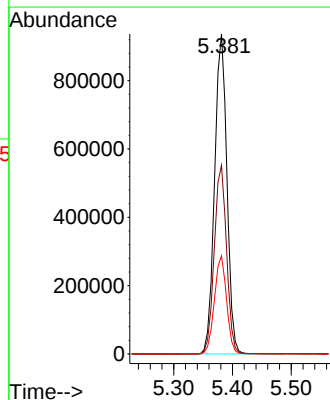
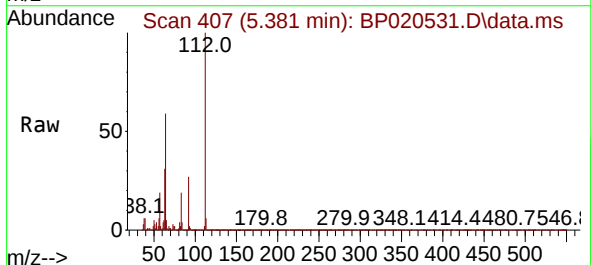
Instrument :
BNA_P
ClientSampleId :
WC-5

Tgt Ion:152 Resp: 280722
Ion Ratio Lower Upper
152 100
150 152.0 124.2 186.2
115 60.9 49.5 74.3



#5
2-Fluorophenol
Concen: 86.755 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion:112 Resp: 1360212
Ion Ratio Lower Upper
112 100
64 58.9 50.1 75.1
63 30.7 25.7 38.5



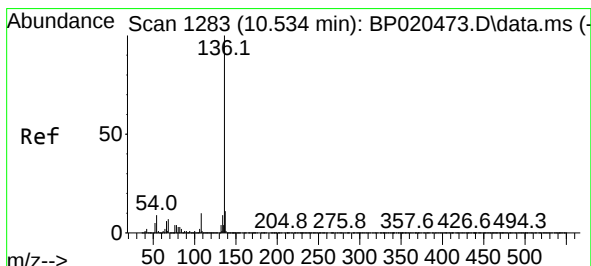
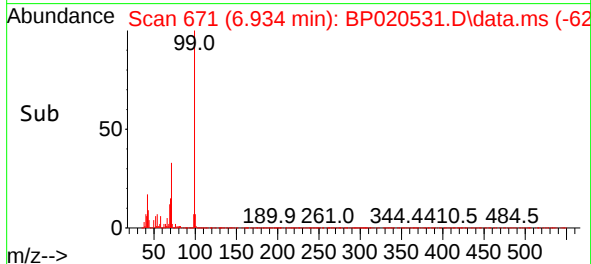
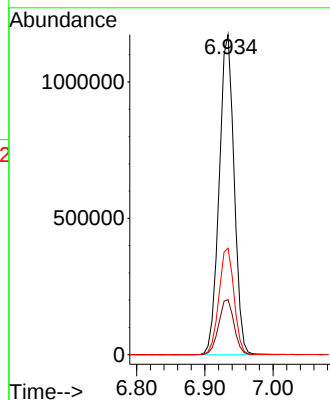
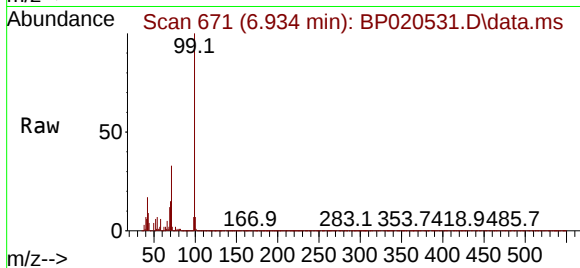


#7
Phenol-d6
Concen: 80.929 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Instrument :
BNA_P
ClientSampleId :
WC-5

Tgt Ion: 99 Resp: 1789434

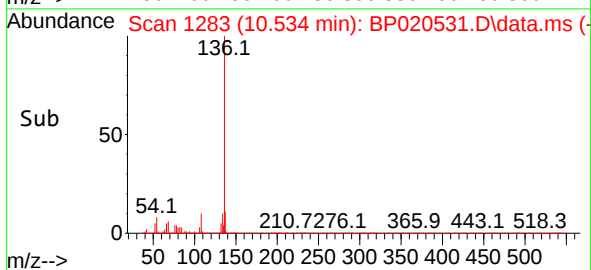
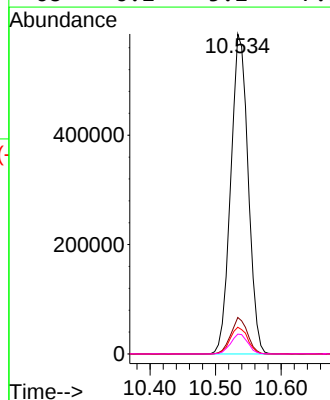
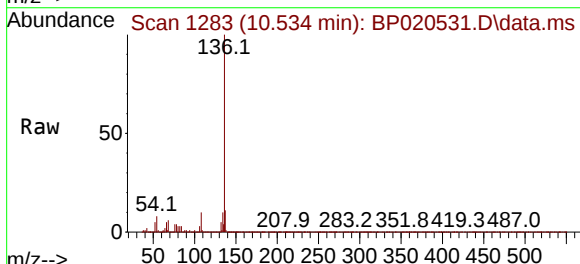
Ion	Ratio	Lower	Upper
99	100		
42	17.2	15.0	22.4
71	33.3	27.3	40.9

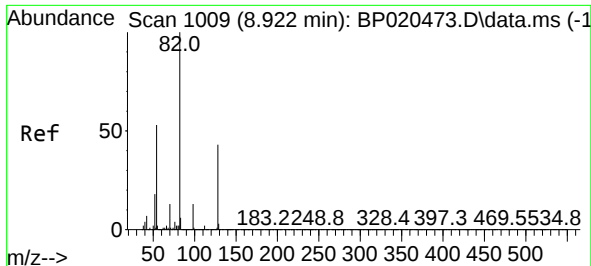


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. -0.000 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion: 136 Resp: 1077540

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	8.3	7.4	11.0
68	6.2	5.2	7.8

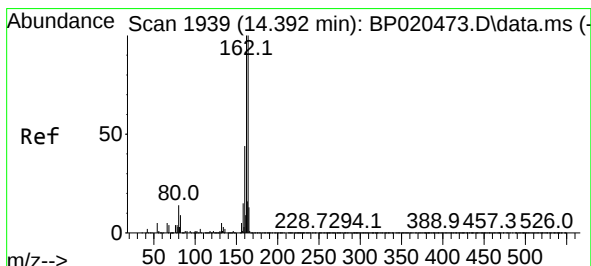
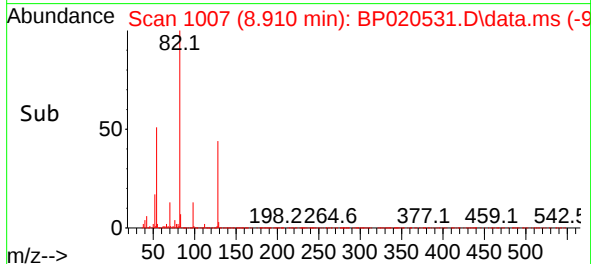
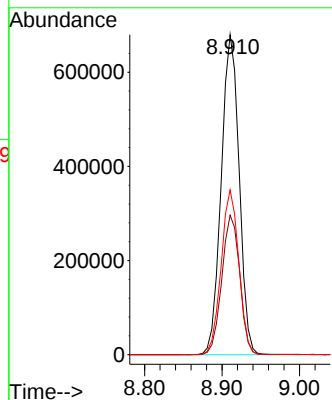
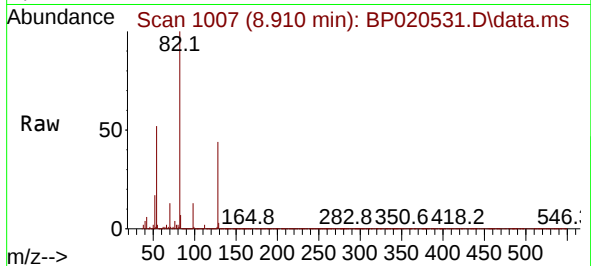




#23
Nitrobenzene-d5
Concen: 55.367 ng
RT: 8.910 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

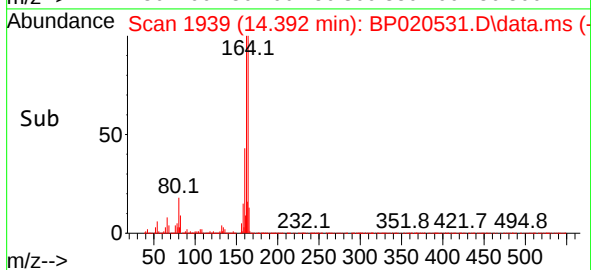
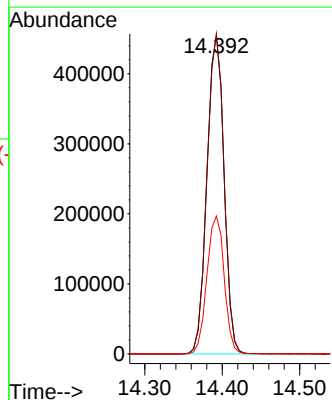
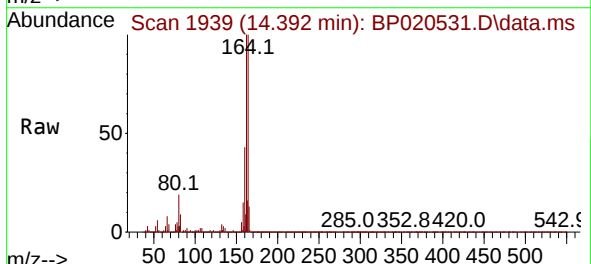
Instrument :
BNA_P
ClientSampleId :
WC-5

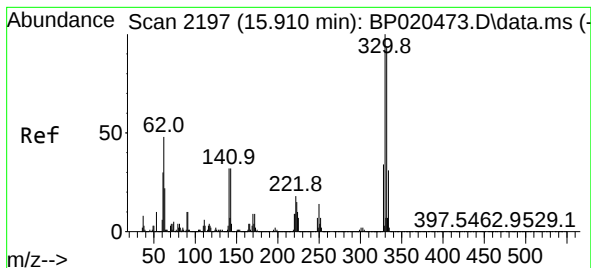
Tgt Ion: 82 Resp: 1089890
Ion Ratio Lower Upper
82 100
128 43.6 34.2 51.4
54 51.5 42.7 64.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion:164 Resp: 695255
Ion Ratio Lower Upper
164 100
162 100.5 80.3 120.5
160 43.3 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 105.549 ng

RT: 15.910 min Scan# 2197

Delta R.T. -0.000 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

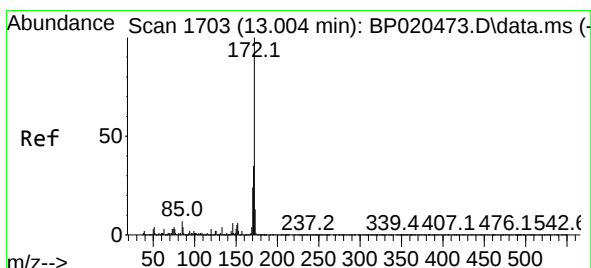
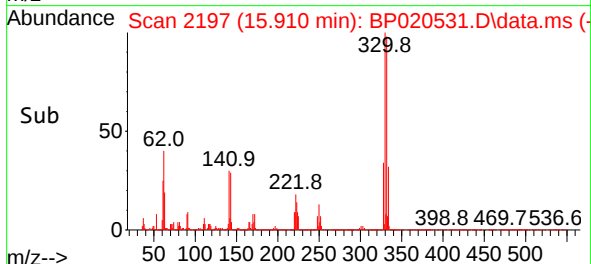
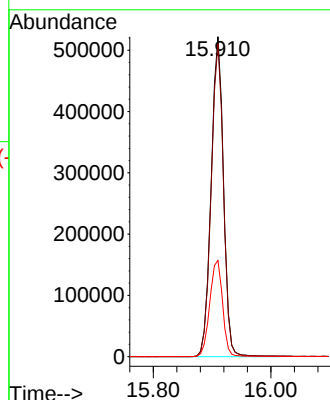
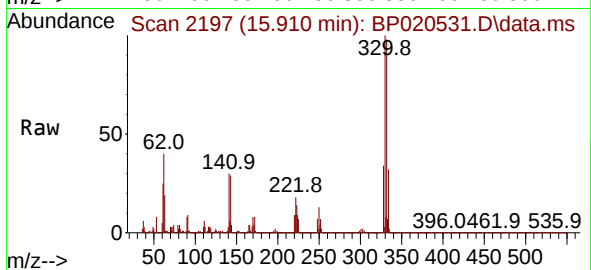
Tgt Ion:330 Resp: 761580

Ion Ratio Lower Upper

330 100

332 97.3 76.6 114.8

141 31.2 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 46.509 ng

RT: 13.010 min Scan# 1704

Delta R.T. 0.006 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

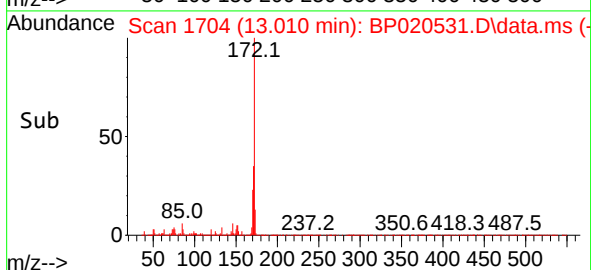
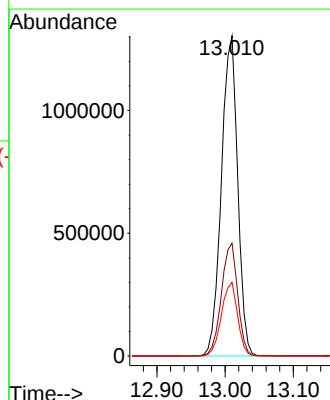
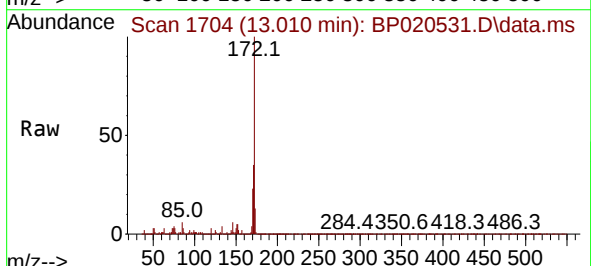
Tgt Ion:172 Resp: 2169131

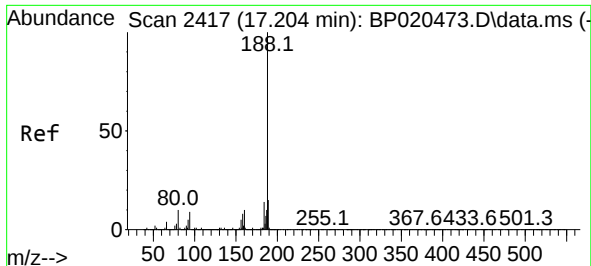
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.0 18.9 28.3

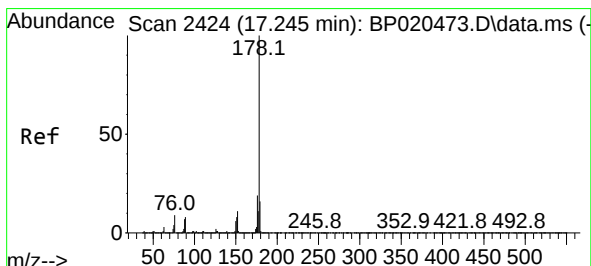
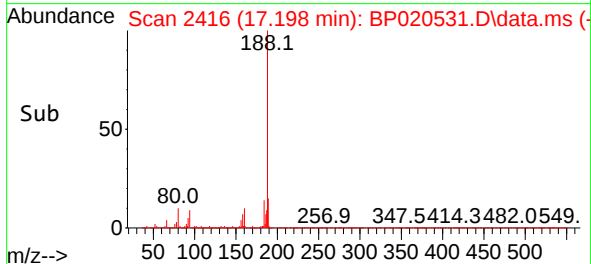
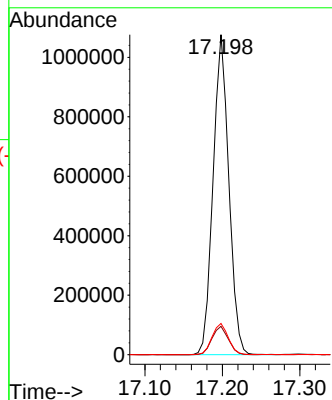
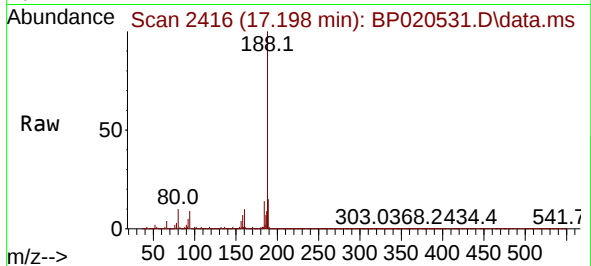




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

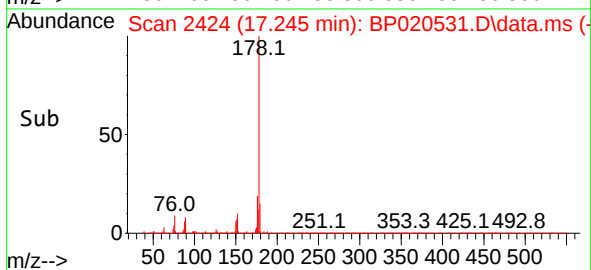
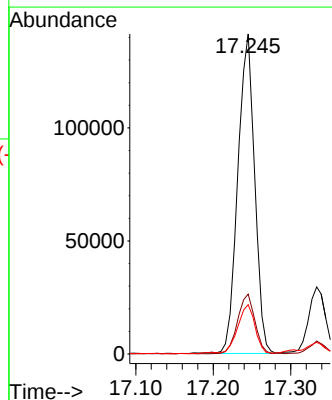
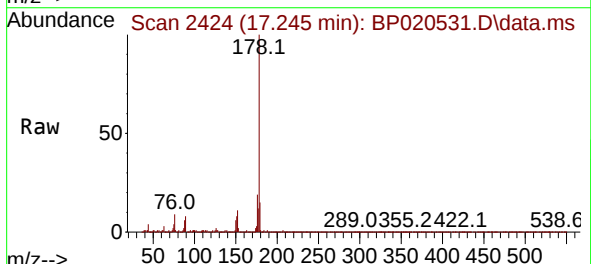
Instrument :
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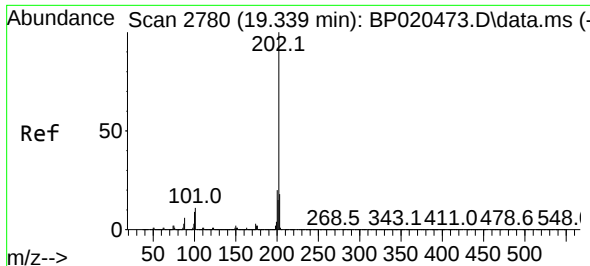
Tgt Ion:188 Resp: 1517697
Ion Ratio Lower Upper
188 100
94 8.8 7.2 10.8
80 9.8 8.1 12.1



#71
Phenanthrene
Concen: 2.872 ng
RT: 17.245 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion:178 Resp: 214231
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.4 12.5 18.7

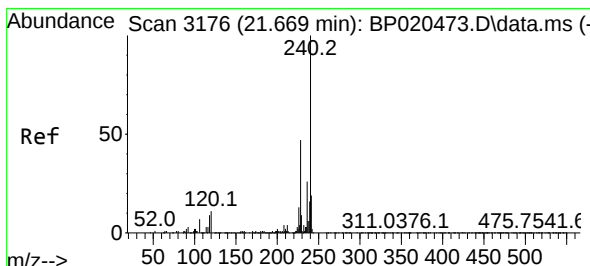
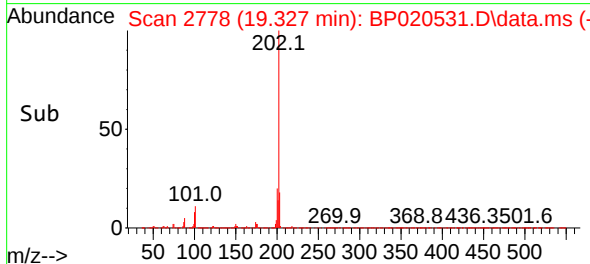
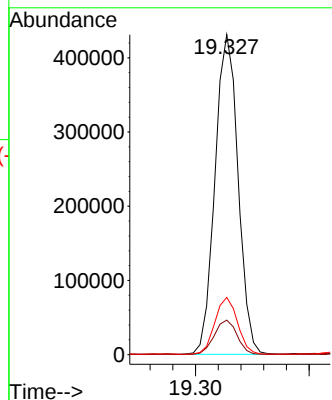
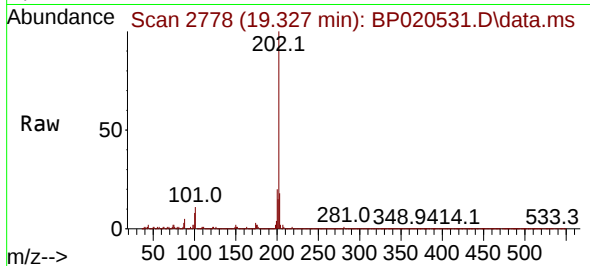




#75
Fluoranthene
Concen: 6.890 ng
RT: 19.327 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

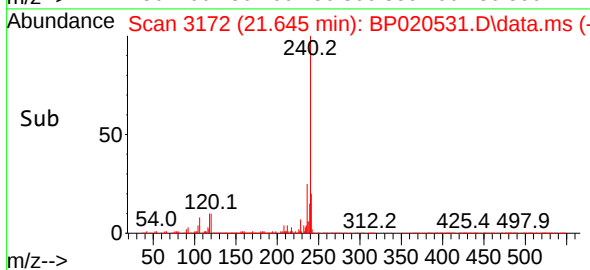
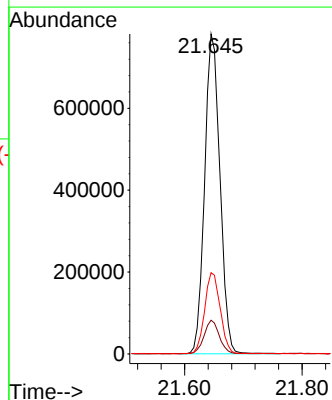
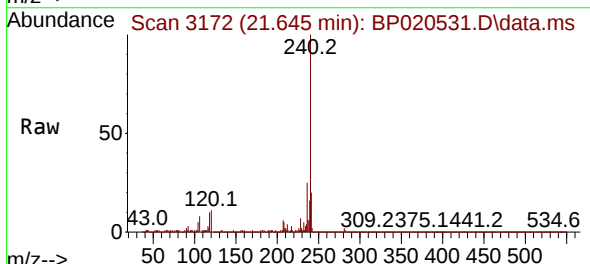
Instrument :
BNA_P
ClientSampleId :
WC-5

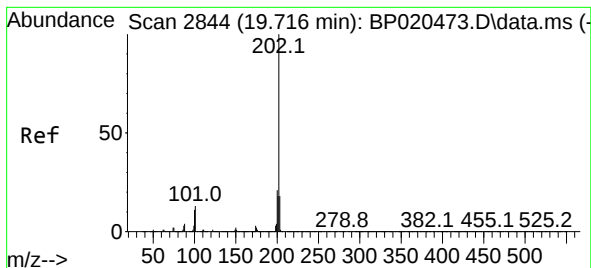
Tgt Ion:202 Resp: 608148
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3172
Delta R.T. -0.024 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion:240 Resp: 1416477
Ion Ratio Lower Upper
240 100
120 10.5 8.5 12.7
236 25.4 20.5 30.7





#78

Pyrene

Concen: 5.136 ng

RT: 19.704 min Scan# 2842

Delta R.T. -0.012 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

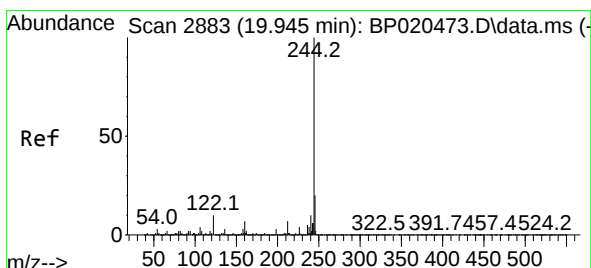
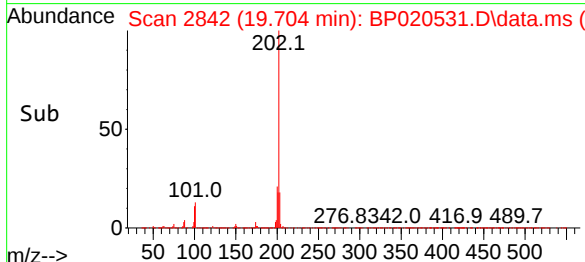
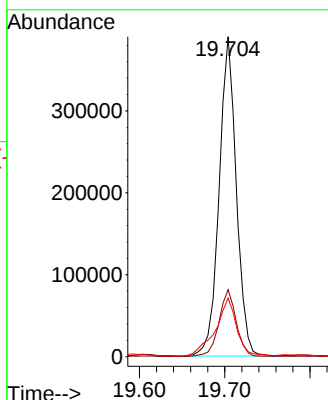
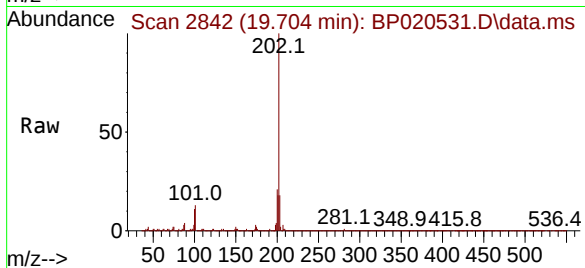
Tgt Ion:202 Resp: 547227

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 18.3 14.1 21.1



#79

Terphenyl-d14

Concen: 43.212 ng

RT: 19.927 min Scan# 2880

Delta R.T. -0.018 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

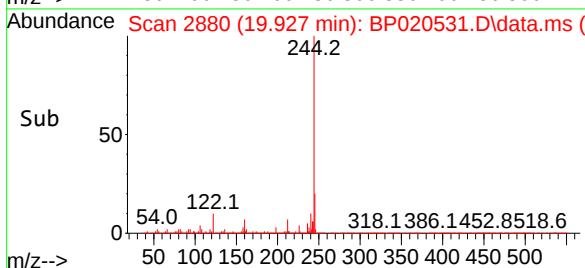
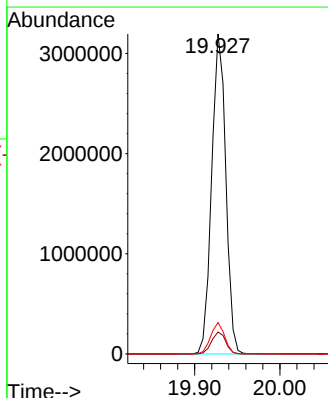
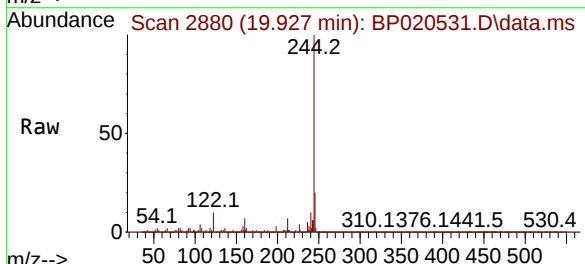
Tgt Ion:244 Resp: 3676798

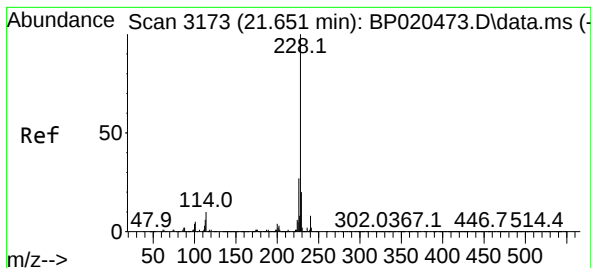
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 9.8 8.2 12.2





#81

Benzo(a)anthracene

Concen: 3.236 ng

RT: 21.627 min Scan# 3169

Delta R.T. -0.024 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

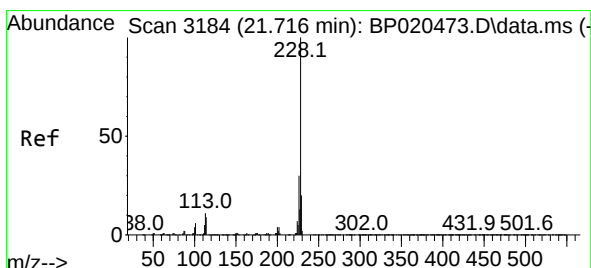
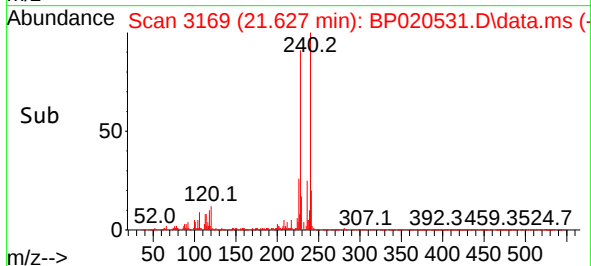
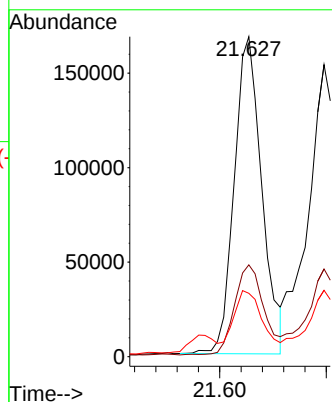
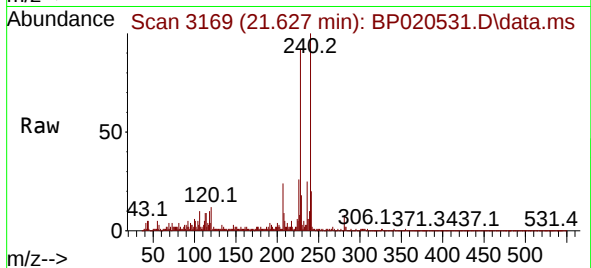
Tgt Ion:228 Resp: 301830

Ion Ratio Lower Upper

228 100

226 28.7 21.7 32.5

229 19.8 15.8 23.6



#83

Chrysene

Concen: 3.420 ng

RT: 21.698 min Scan# 3181

Delta R.T. -0.018 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

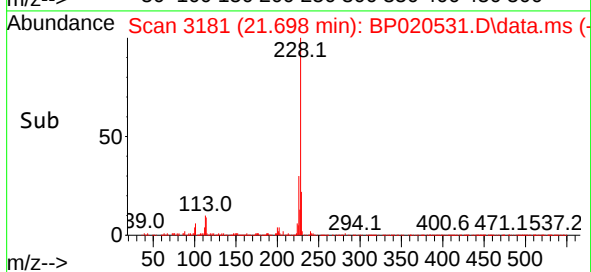
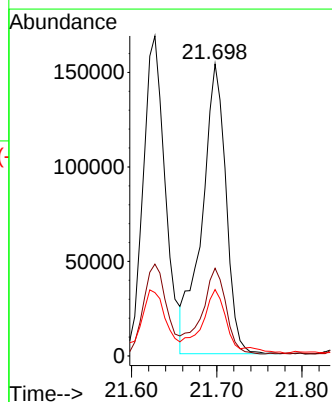
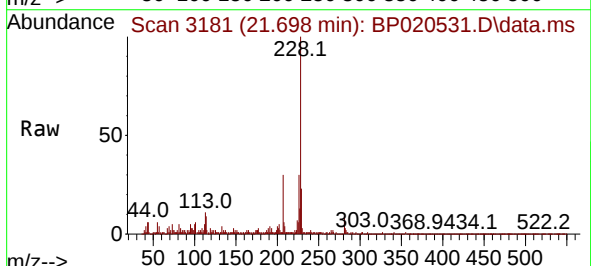
Tgt Ion:228 Resp: 300530

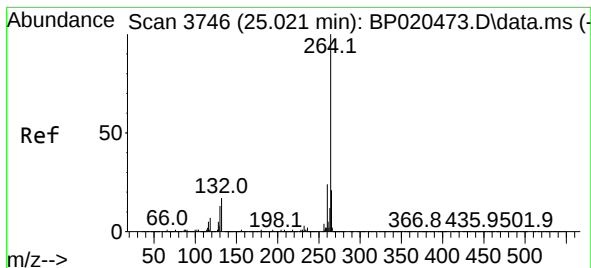
Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 22.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.015 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5

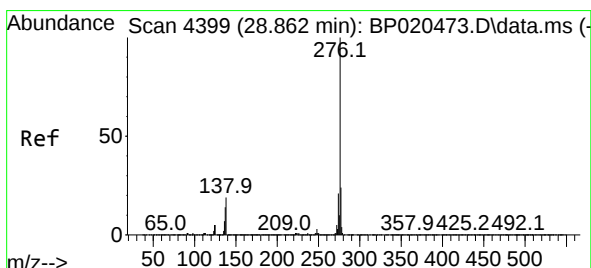
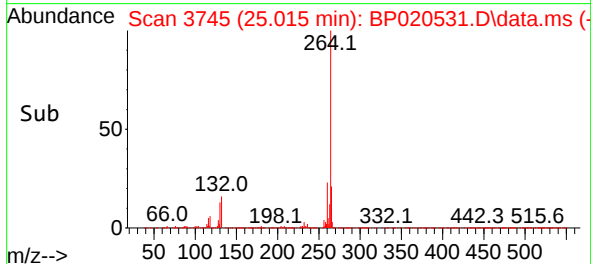
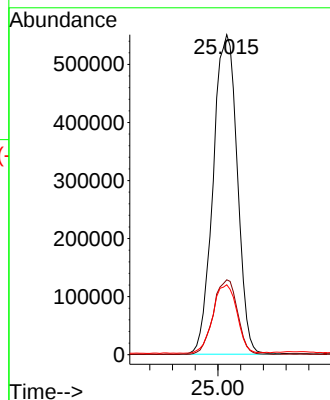
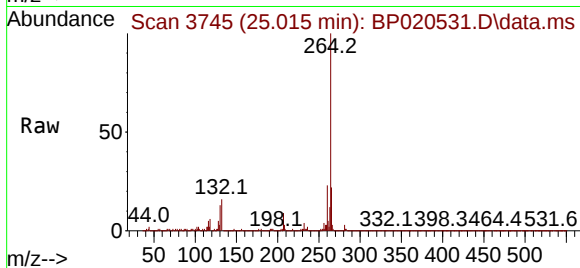
Tgt Ion:264 Resp: 1622237

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 21.8 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.107 ng

RT: 28.797 min Scan# 4388

Delta R.T. -0.065 min

Lab File: BP020531.D

Acq: 06 Jun 2024 00:57

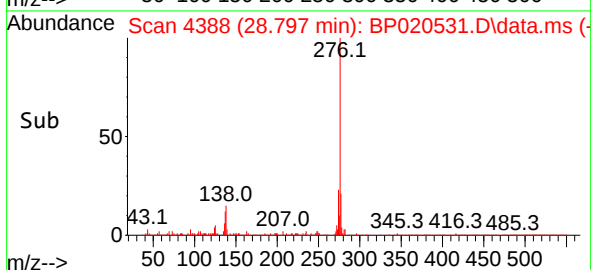
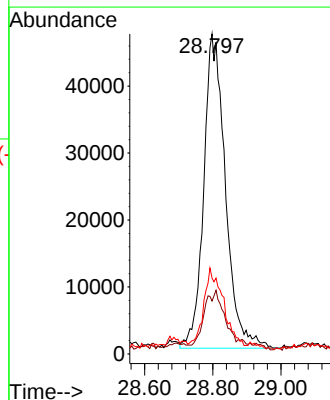
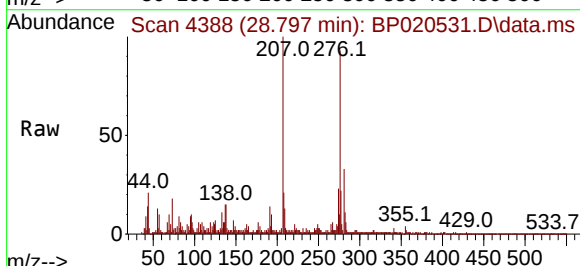
Tgt Ion:276 Resp: 207846

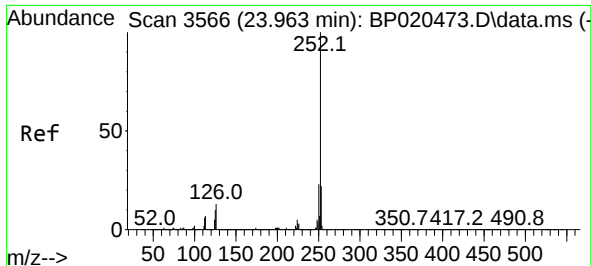
Ion Ratio Lower Upper

276 100

138 6.8 12.8 19.2#

277 21.7 15.6 23.4

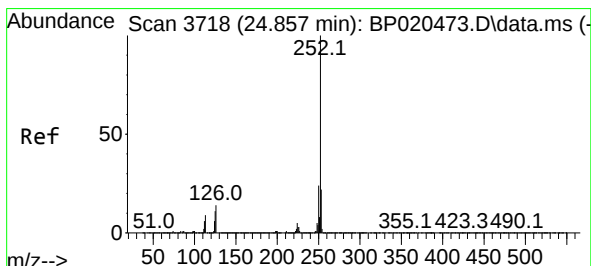
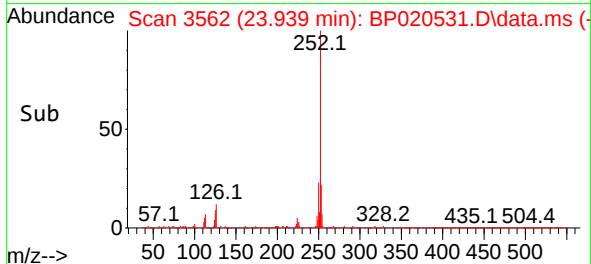
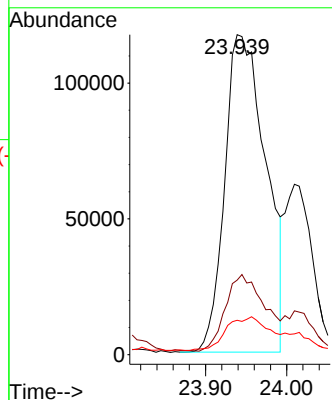
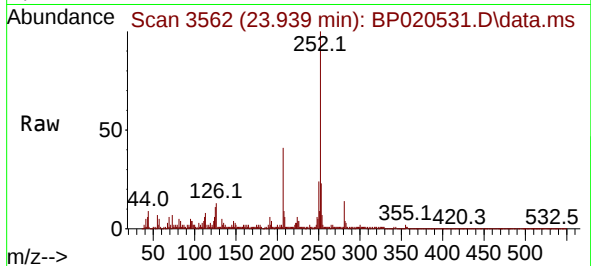




#88
Benzo(b)fluoranthene
Concen: 4.066 ng
RT: 23.939 min Scan# 31
Delta R.T. -0.024 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

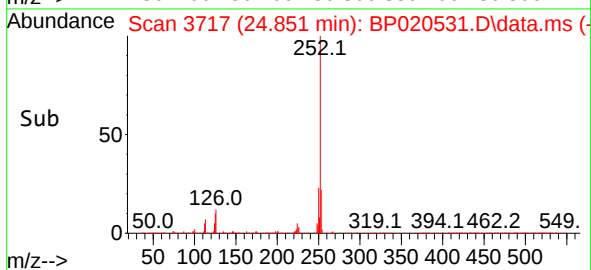
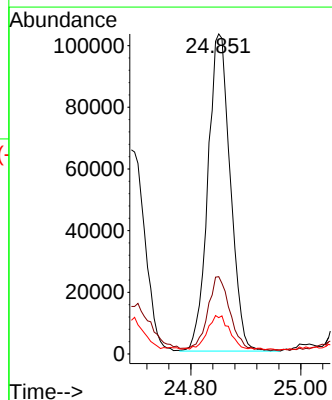
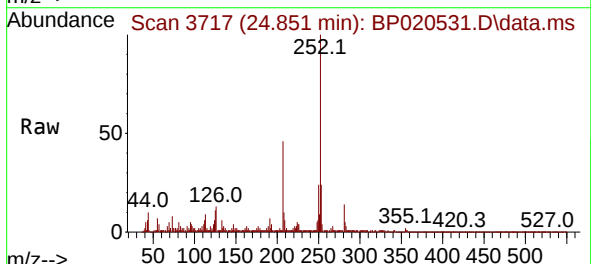
Instrument :
BNA_P
ClientSampleId :
WC-5

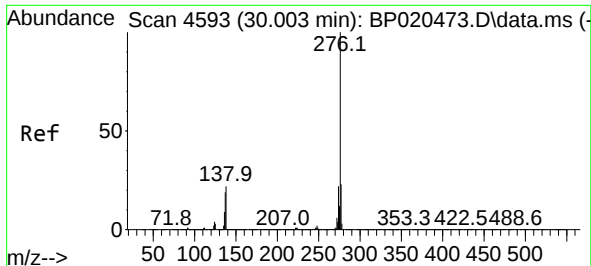
Tgt Ion:252 Resp: 410959
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 10.7 8.0 12.0



#90
Benzo(a)pyrene
Concen: 3.470 ng
RT: 24.851 min Scan# 3717
Delta R.T. -0.006 min
Lab File: BP020531.D
Acq: 06 Jun 2024 00:57

Tgt Ion:252 Resp: 290469
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 11.3 8.9 13.3





#92

Benzo(g,h,i)perylene

Concen: 2.434 ng

RT: 30.003 min Scan# 4

Delta R.T. -0.000 min

Lab File: BP020531.D

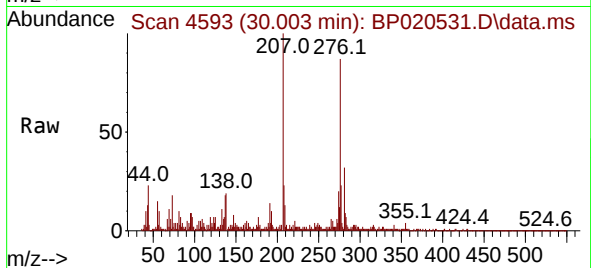
Acq: 06 Jun 2024 00:57

Instrument :

BNA_P

ClientSampleId :

WC-5



Tgt Ion:276 Resp: 200192

Ion Ratio Lower Upper

276 100

277 26.0 18.7 28.1

138 21.9 17.7 26.5

