

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020924\
 Data File : BP019652.D
 Acq On : 10 Feb 2024 02:22
 Operator : MA/JU
 Sample : P1339-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-COMP

Quant Time: Feb 10 03:15:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

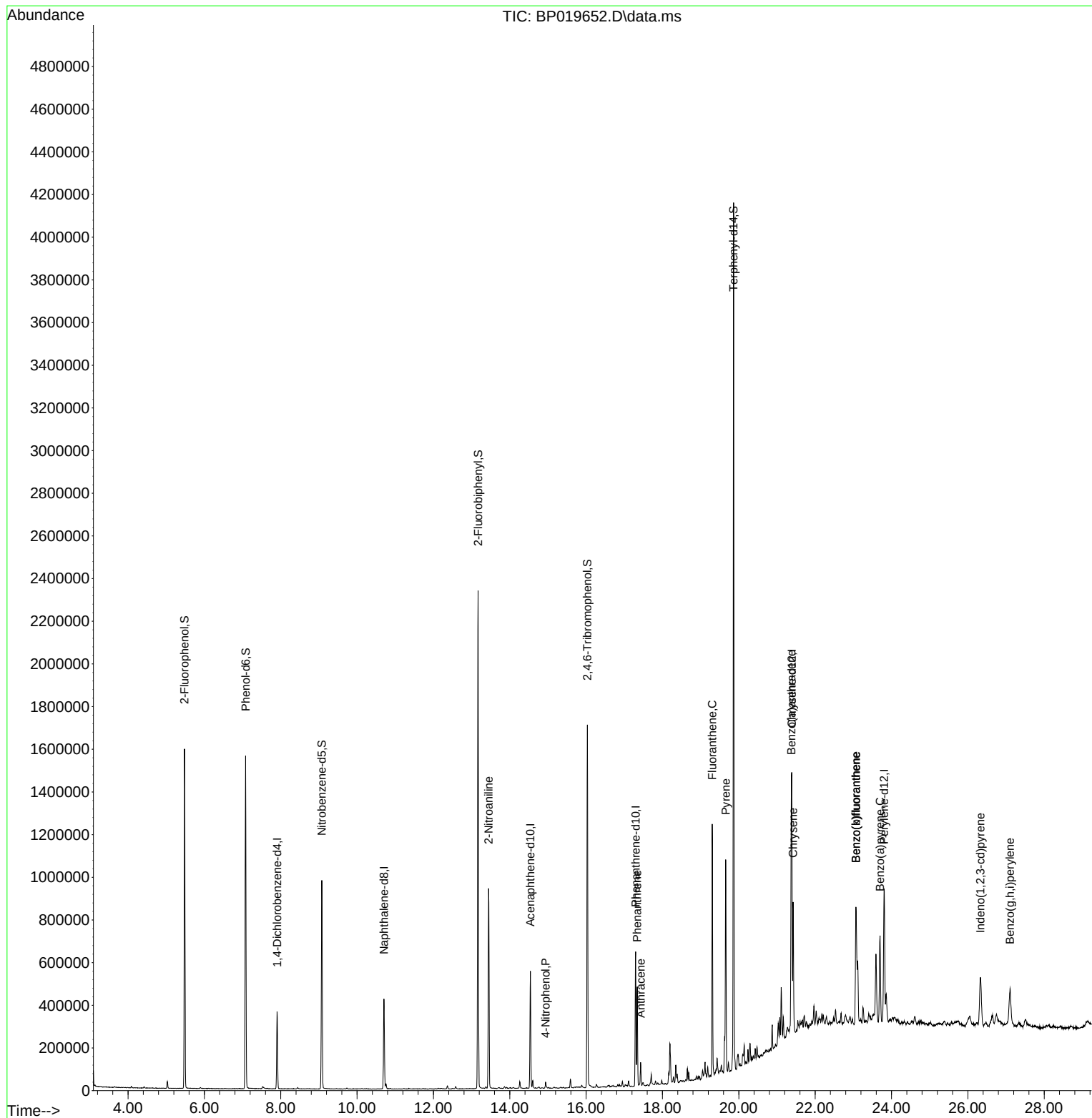
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	98937	20.000	ng	-0.01
21) Naphthalene-d8	10.705	136	346366	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	189125	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	388562	20.000	ng	0.00
76) Chrysene-d12	21.386	240	463875	20.000	ng	0.00
86) Perylene-d12	23.804	264	558486	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	640193	104.303	ng	0.00
7) Phenol-d6	7.081	99	861371	104.080	ng	0.00
23) Nitrobenzene-d5	9.075	82	583733	73.027	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	352370	127.607	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1228629	80.310	ng	-0.01
79) Terphenyl-d14	19.863	244	1903200	67.473	ng	0.00
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.446	65	19140	5.524	ng	# 15
56) 4-Nitrophenol	14.940	139	6576	2.745	ng	# 1
71) Phenanthrene	17.340	178	283294	13.854	ng	99
72) Anthracene	17.428	178	68508	3.358	ng	100
75) Fluoranthene	19.304	202	702963	28.141	ng	100
78) Pyrene	19.657	202	634143	19.370	ng	99
81) Benzo(a)anthracene	21.375	228	435933	13.350	ng	97
83) Chrysene	21.422	228	359220	11.587	ng	97
87) Indeno(1,2,3-cd)pyrene	26.327	276	282425	6.606	ng	97
88) Benzo(b)fluoranthene	23.069	252	561181	15.943	ng	96
89) Benzo(k)fluoranthene	23.069	252	561181	16.690	ng	96
90) Benzo(a)pyrene	23.698	252	345313	11.026	ng	97
92) Benzo(g,h,i)perylene	27.104	276	248176	6.958	ng	99

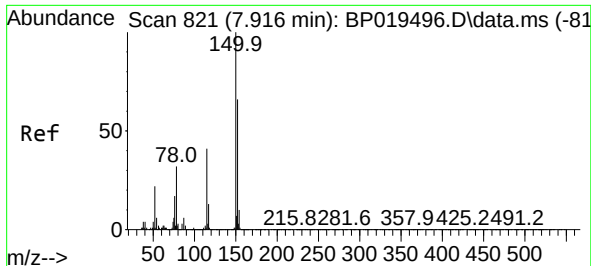
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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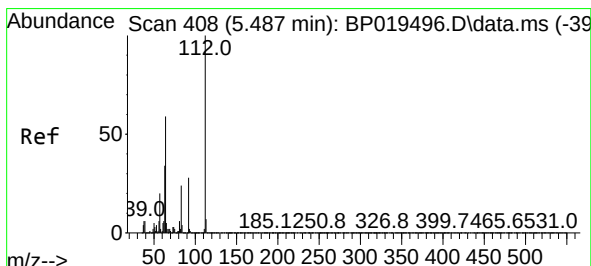
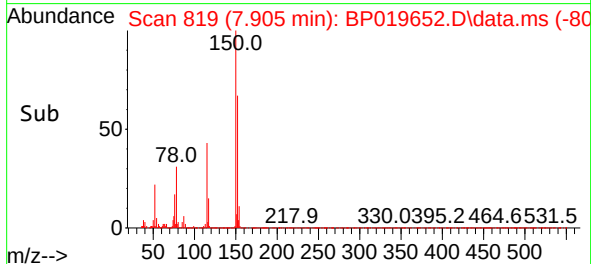
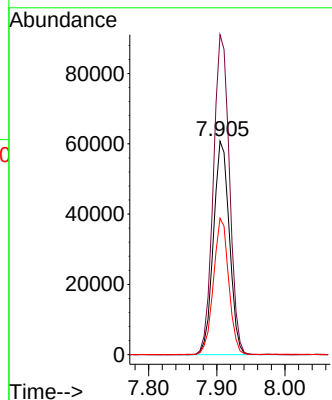
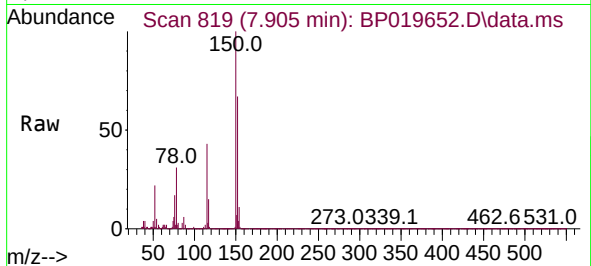




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019652.D
Acq: 10 Feb 2024 02:22

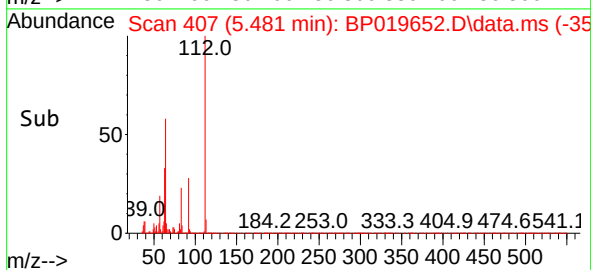
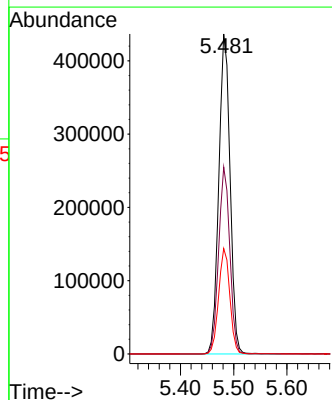
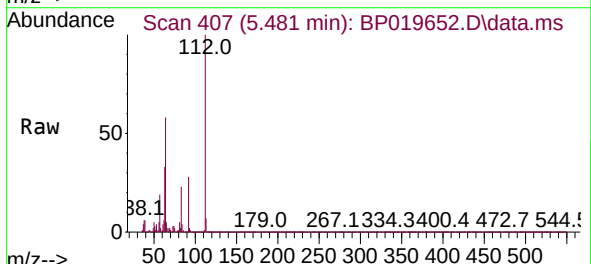
Instrument :
BNA_P
ClientSampleId :
WC-COMP

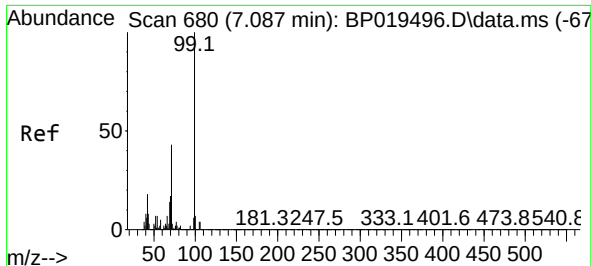
Tgt Ion:152 Resp: 98937
Ion Ratio Lower Upper
152 100
150 149.9 121.8 182.8
115 63.9 49.9 74.9



#5
2-Fluorophenol
Concen: 104.303 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.005 min
Lab File: BP019652.D
Acq: 10 Feb 2024 02:22

Tgt Ion:112 Resp: 640193
Ion Ratio Lower Upper
112 100
64 58.4 47.4 71.0
63 32.9 27.0 40.6

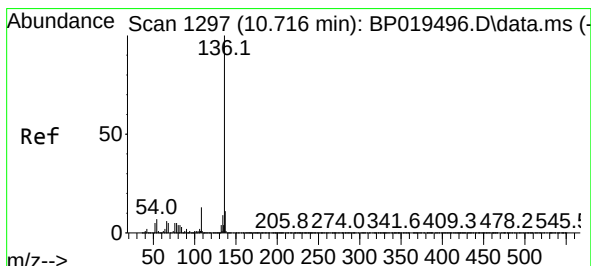
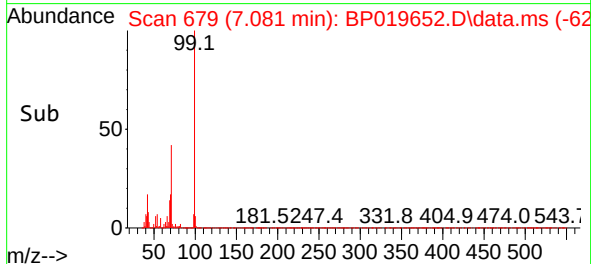
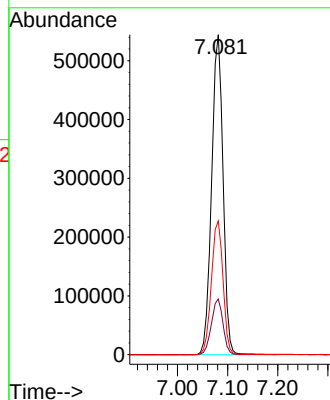
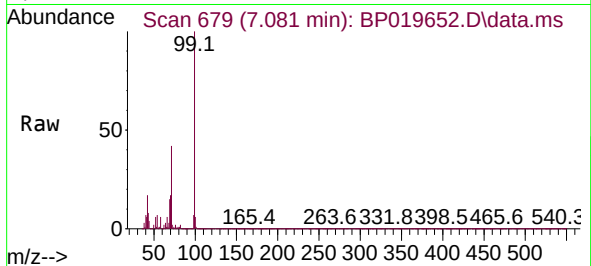




#7
Phenol-d6
Concen: 104.080 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP019652.D
Acq: 10 Feb 2024 02:22

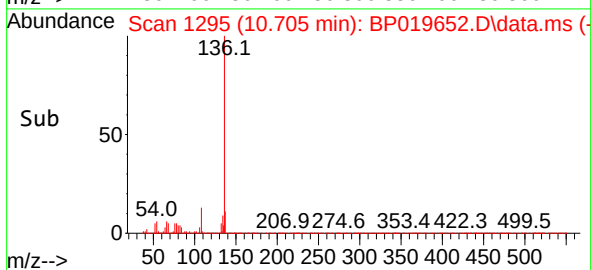
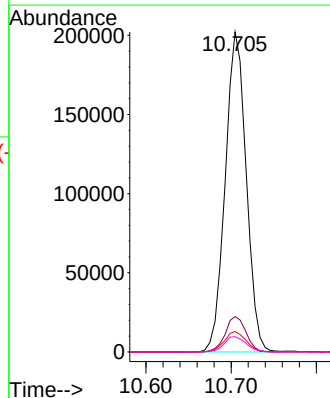
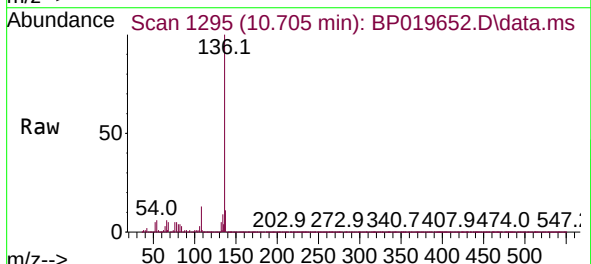
Instrument :
BNA_P
ClientSampleId :
WC-COMP

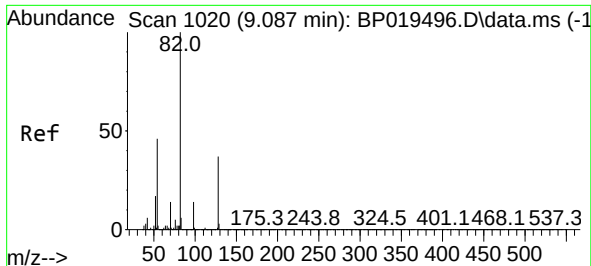
Tgt Ion: 99 Resp: 861371
Ion Ratio Lower Upper
99 100
42 17.4 14.7 22.1
71 41.8 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019652.D
Acq: 10 Feb 2024 02:22

Tgt Ion:136 Resp: 346366
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.4 5.3 7.9
68 4.7 4.1 6.1

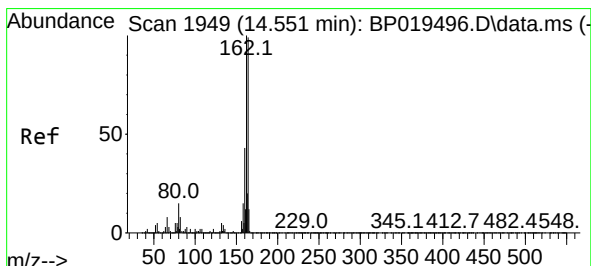
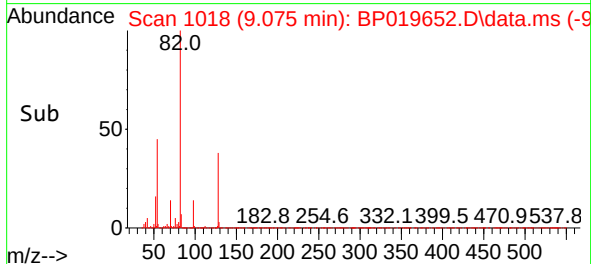
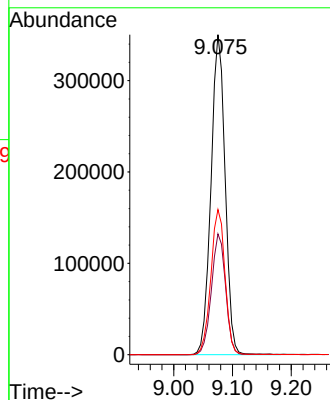
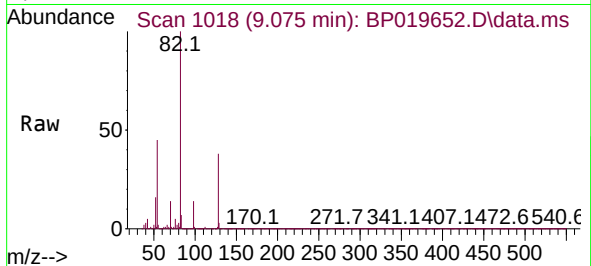




#23
Nitrobenzene-d5
Concen: 73.027 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019652.D
Acq: 10 Feb 2024 02:22

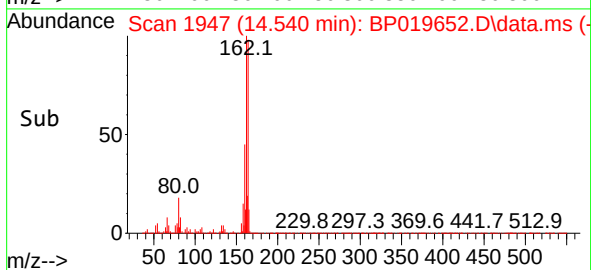
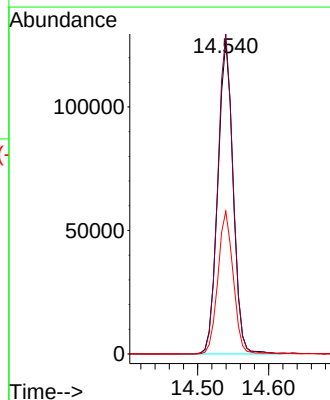
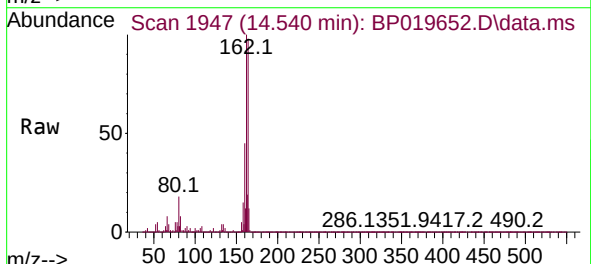
Instrument :
BNA_P
ClientSampleId :
WC-COMP

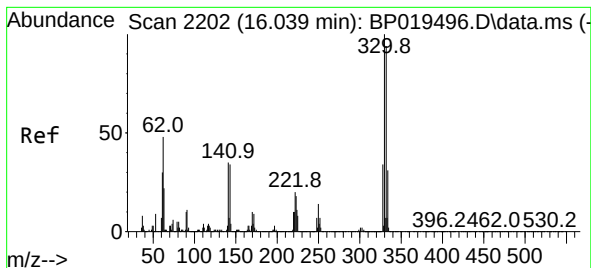
Tgt Ion: 82 Resp: 583733
Ion Ratio Lower Upper
82 100
128 37.8 29.7 44.5
54 45.3 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.011 min
Lab File: BP019652.D
Acq: 10 Feb 2024 02:22

Tgt Ion: 164 Resp: 189125
Ion Ratio Lower Upper
164 100
162 102.4 81.2 121.8
160 45.6 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 127.607 ng

RT: 16.034 min Scan# 21

Delta R.T. -0.005 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

Instrument :

BNA_P

ClientSampleId :

WC-COMP

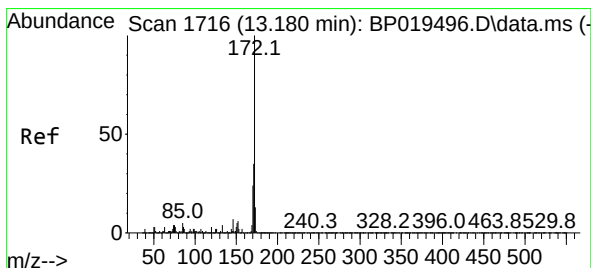
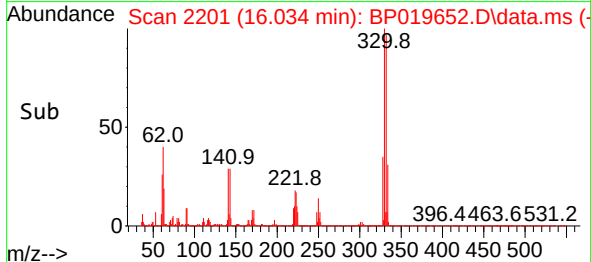
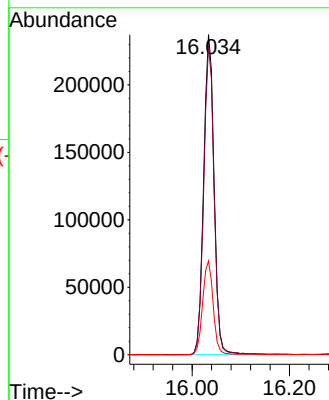
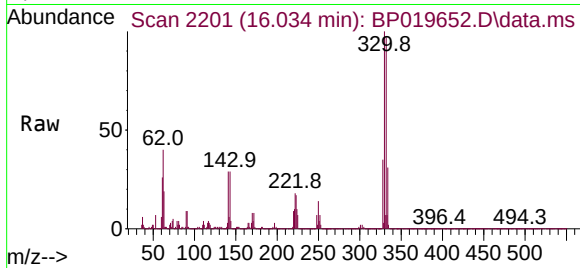
Tgt Ion:330 Resp: 352370

Ion Ratio Lower Upper

330 100

332 95.8 77.2 115.8

141 29.7 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 80.310 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.011 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

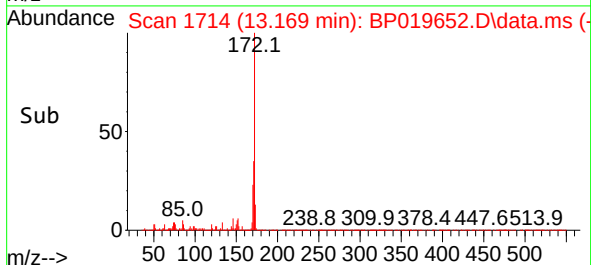
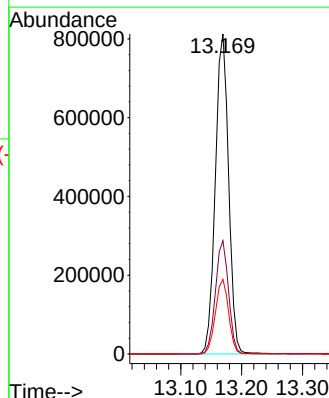
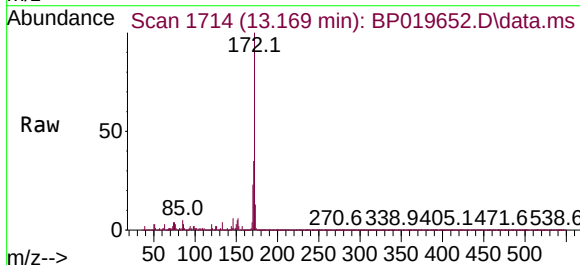
Tgt Ion:172 Resp: 1228629

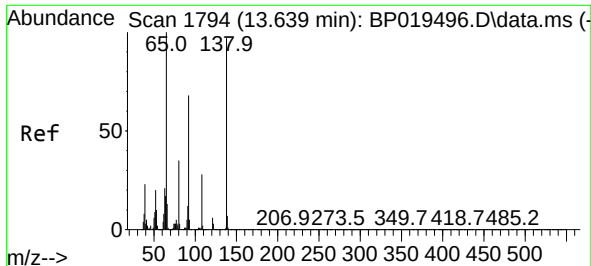
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.3 18.9 28.3

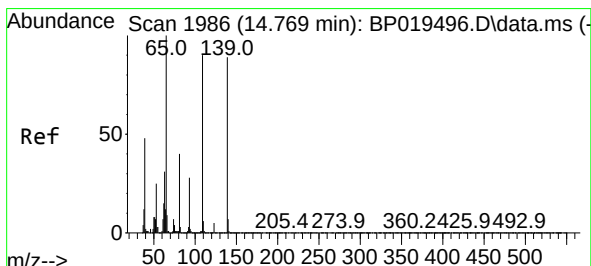
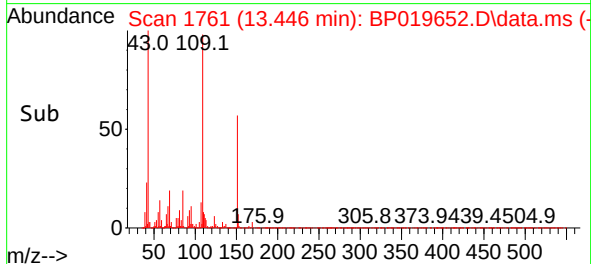
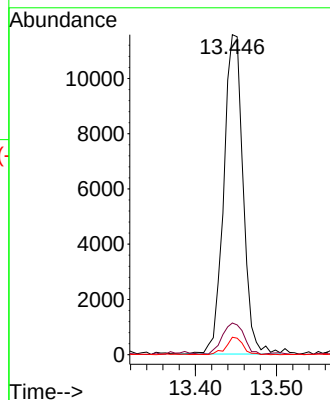
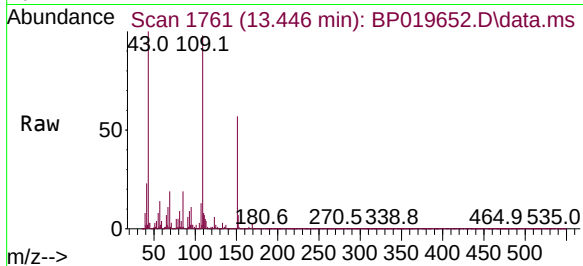




#48
2-Nitroaniline
Concen: 5.524 ng
RT: 13.446 min Scan# 11
Delta R.T. -0.194 min
Lab File: BP019652.D
Acq: 10 Feb 2024 02:22

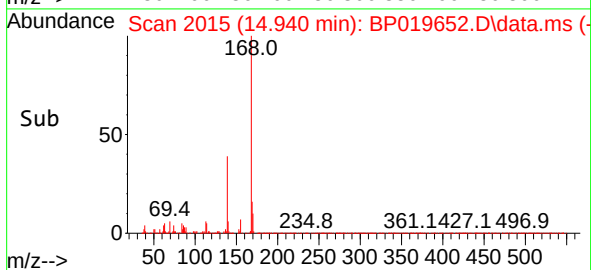
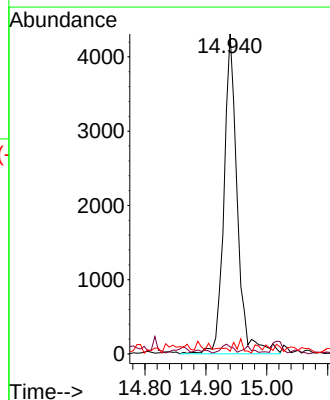
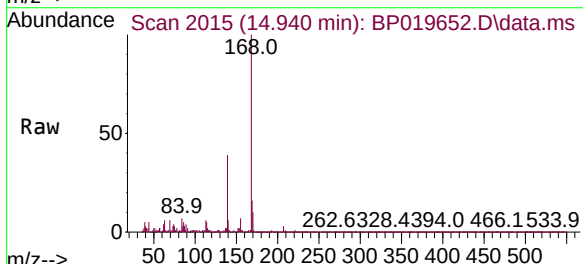
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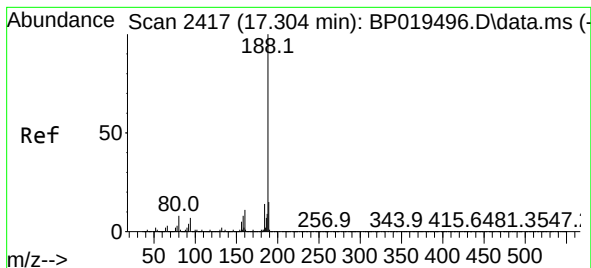
Tgt Ion: 65 Resp: 19140
Ion Ratio Lower Upper
65 100
92 9.9 54.7 82.1#
138 5.4 77.8 116.6#



#56
4-Nitrophenol
Concen: 2.745 ng
RT: 14.940 min Scan# 2015
Delta R.T. 0.171 min
Lab File: BP019652.D
Acq: 10 Feb 2024 02:22

Tgt Ion: 139 Resp: 6576
Ion Ratio Lower Upper
139 100
109 2.2 82.0 122.0#
65 0.8 92.9 132.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

Instrument :

BNA_P

ClientSampleId :

WC-COMP

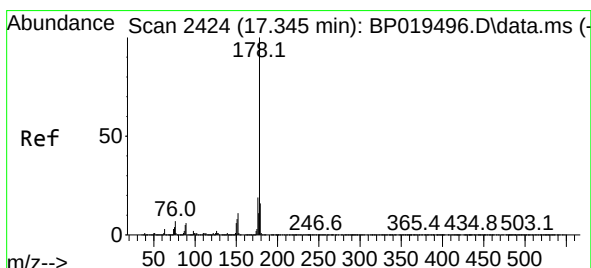
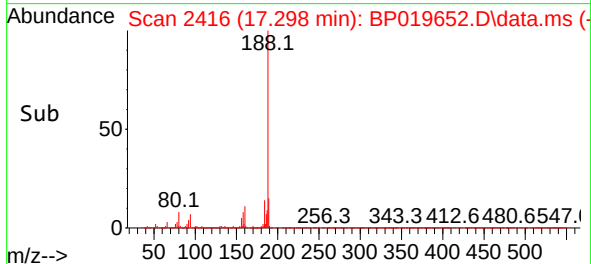
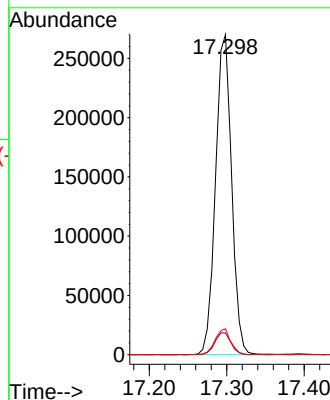
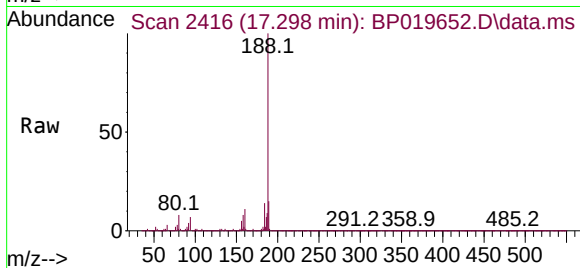
Tgt Ion:188 Resp: 388562

Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.2

80 8.1 6.3 9.5



#71

Phenanthrene

Concen: 13.854 ng

RT: 17.340 min Scan# 2423

Delta R.T. -0.005 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

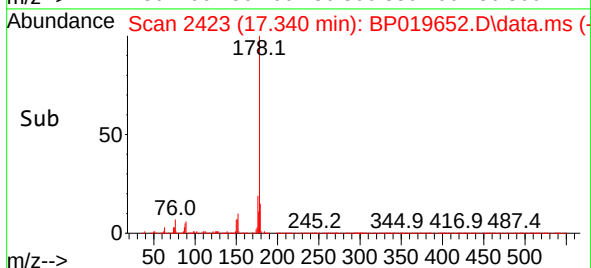
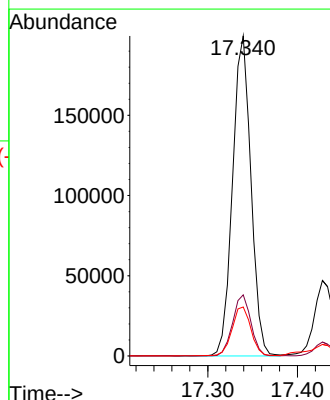
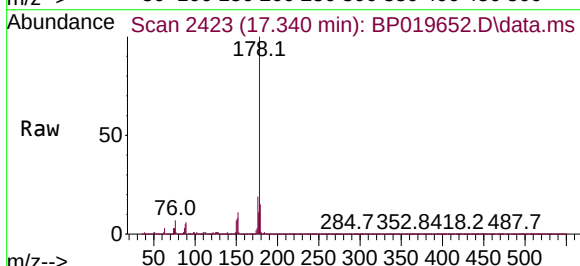
Tgt Ion:178 Resp: 283294

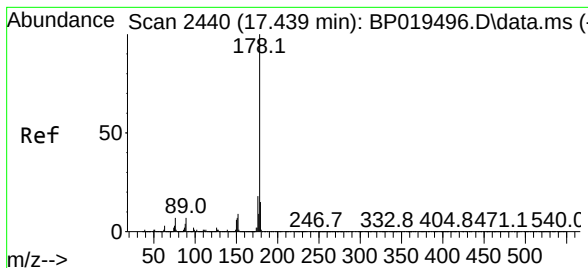
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.3 12.6 19.0





#72

Anthracene

Concen: 3.358 ng

RT: 17.428 min Scan# 2440

Delta R.T. -0.011 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

Instrument :

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ClientSampleId :

WC-COMP

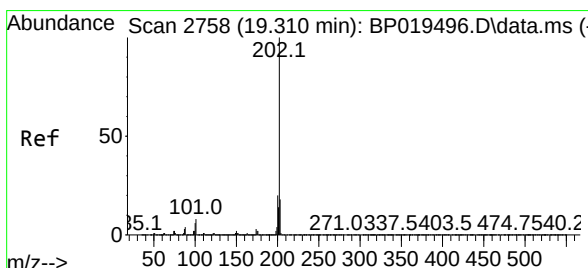
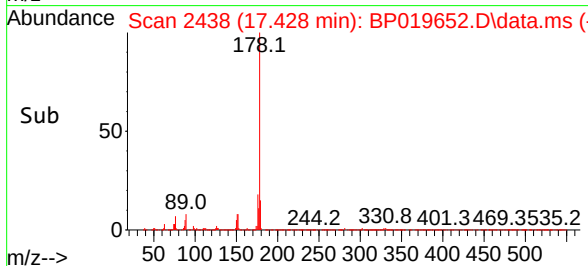
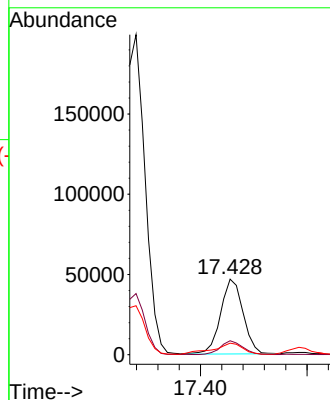
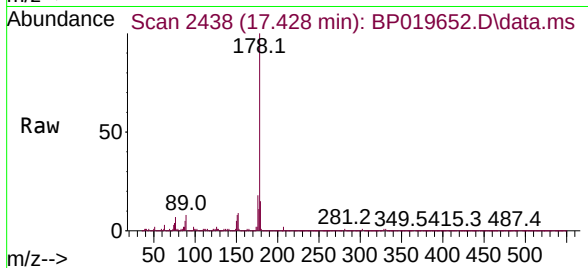
Tgt Ion:178 Resp: 68508

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.3 12.2 18.2



#75

Fluoranthene

Concen: 28.141 ng

RT: 19.304 min Scan# 2757

Delta R.T. -0.005 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

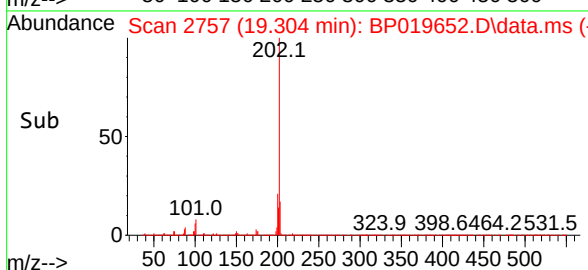
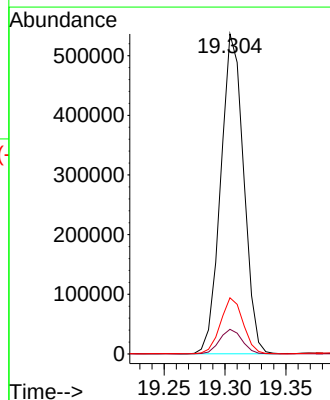
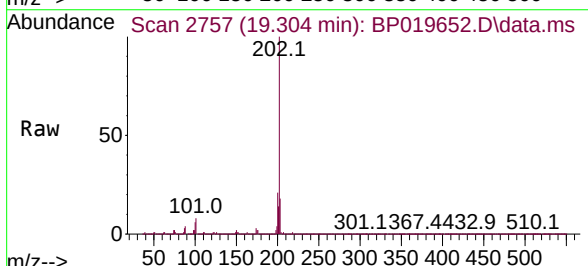
Tgt Ion:202 Resp: 702963

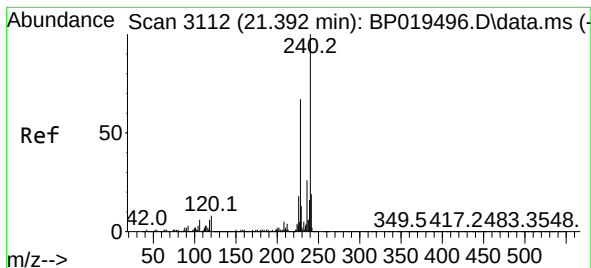
Ion Ratio Lower Upper

202 100

101 7.7 0.0 27.7

203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.005 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

Instrument :

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ClientSampleId :

WC-COMP

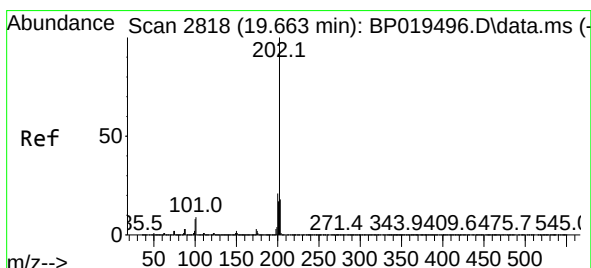
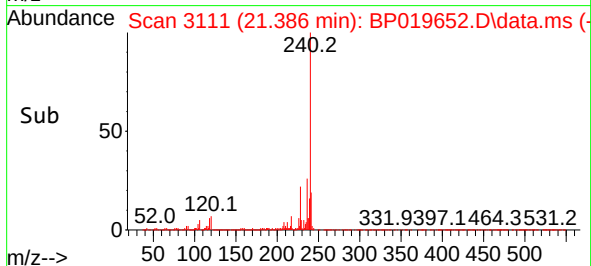
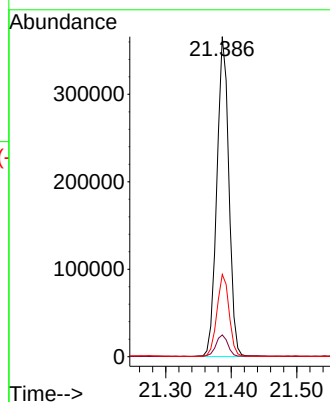
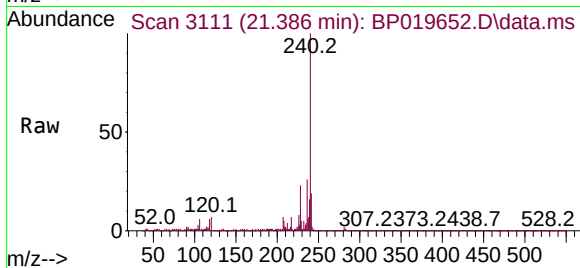
Tgt Ion:240 Resp: 463875

Ion Ratio Lower Upper

240 100

120 6.8 6.1 9.1

236 25.7 20.7 31.1



#78

Pyrene

Concen: 19.370 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.005 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

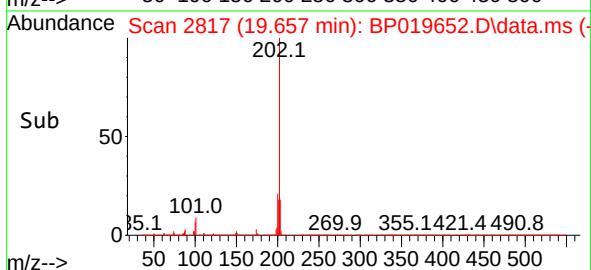
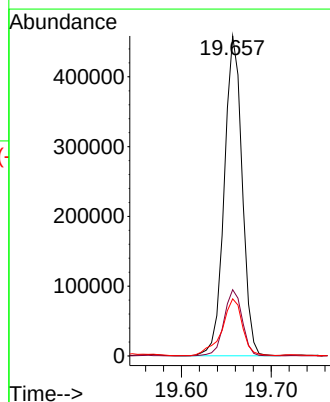
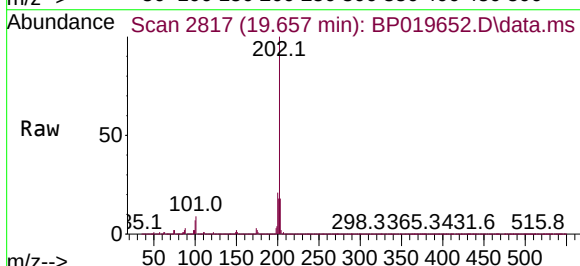
Tgt Ion:202 Resp: 634143

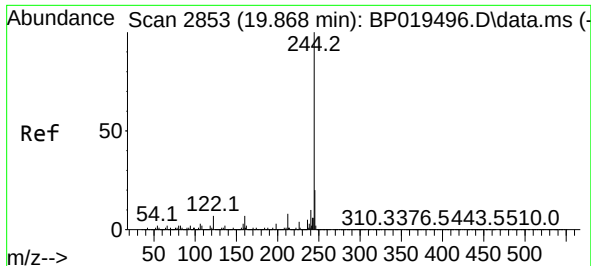
Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 17.9 14.2 21.2

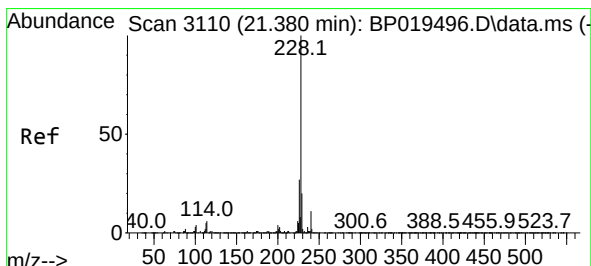
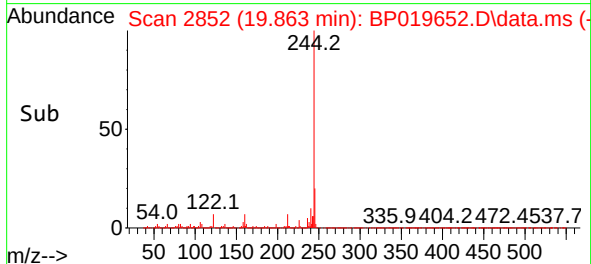
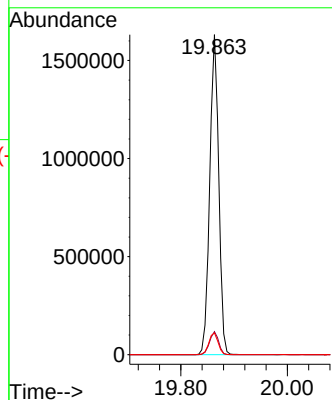
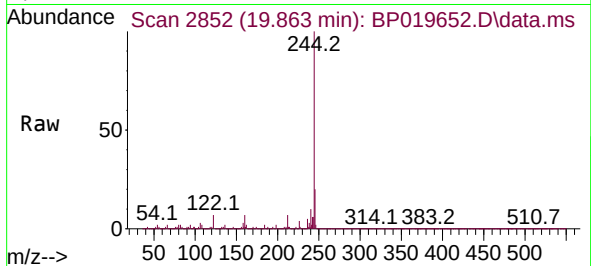




#79
 Terphenyl-d14
 Concen: 67.473 ng
 RT: 19.863 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BP019652.D
 Acq: 10 Feb 2024 02:22

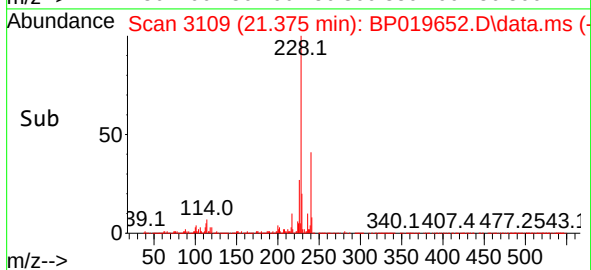
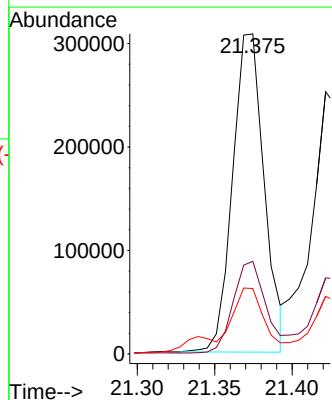
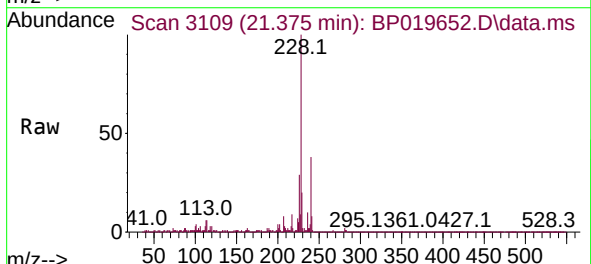
Instrument :
 BNA_P
 ClientSampleId :
 WC-COMP

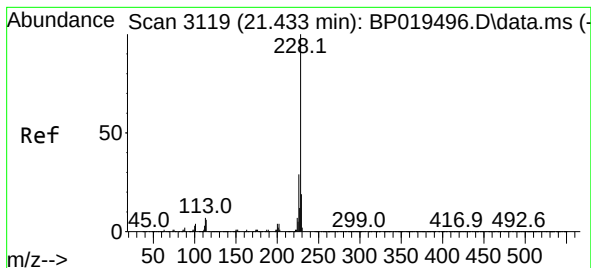
Tgt Ion:244 Resp: 1903200
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 6.8 5.9 8.9



#81
 Benzo(a)anthracene
 Concen: 13.350 ng
 RT: 21.375 min Scan# 3109
 Delta R.T. -0.005 min
 Lab File: BP019652.D
 Acq: 10 Feb 2024 02:22

Tgt Ion:228 Resp: 435933
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.7 32.5
 229 20.4 15.6 23.4





#83

Chrysene

Concen: 11.587 ng

RT: 21.422 min Scan# 3119

Delta R.T. -0.011 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

Instrument :

BNA_P

ClientSampleId :

WC-COMP

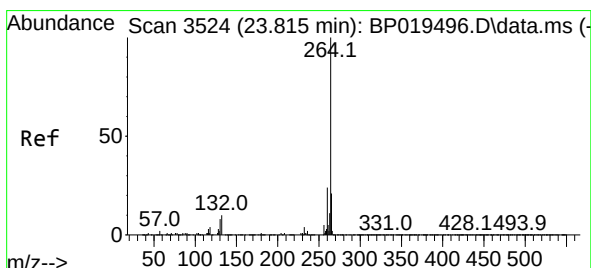
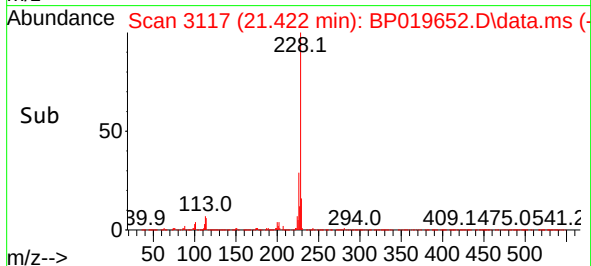
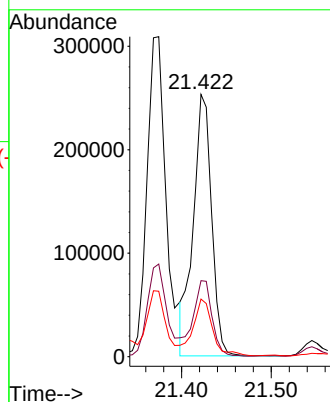
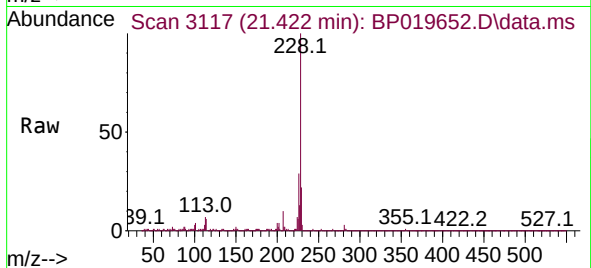
Tgt Ion:228 Resp: 359220

Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.2

229 22.0 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3522

Delta R.T. -0.011 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

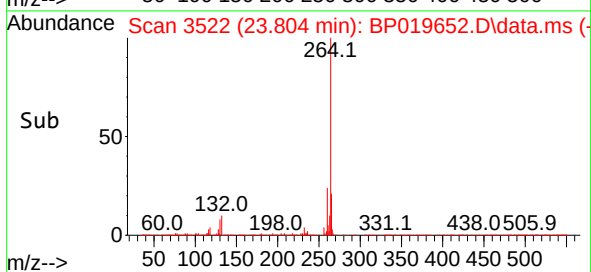
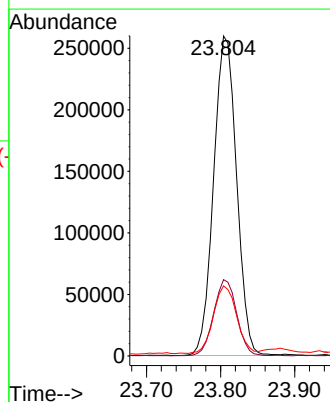
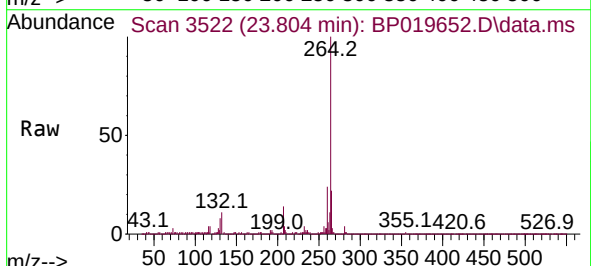
Tgt Ion:264 Resp: 558486

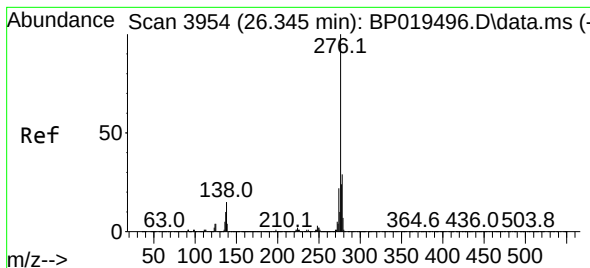
Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.606 ng

RT: 26.327 min Scan# 3951

Delta R.T. -0.017 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

Instrument :

BNA_P

ClientSampleId :

WC-COMP

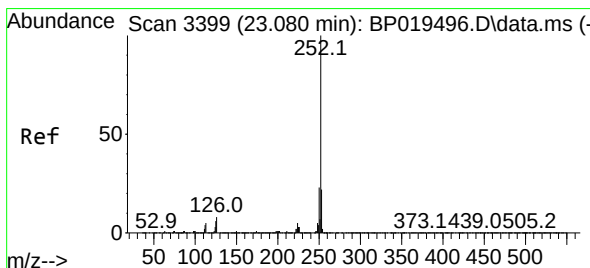
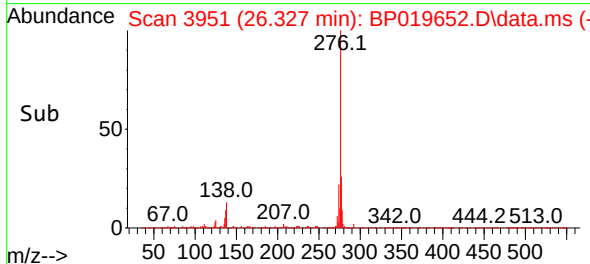
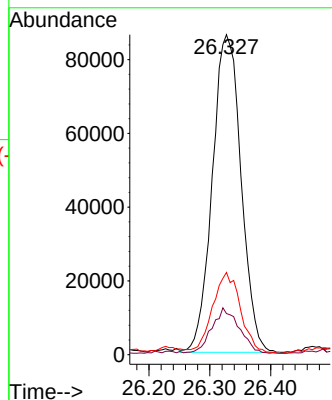
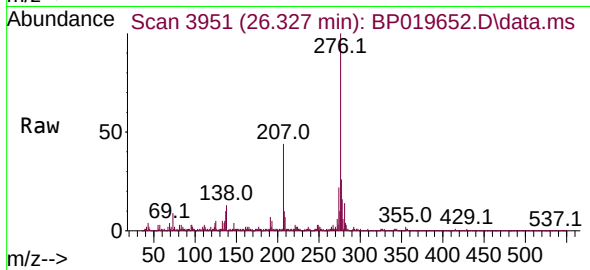
Tgt Ion:276 Resp: 282425

Ion Ratio Lower Upper

276 100

138 13.6 13.1 19.7

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 15.943 ng

RT: 23.069 min Scan# 3397

Delta R.T. -0.011 min

Lab File: BP019652.D

Acq: 10 Feb 2024 02:22

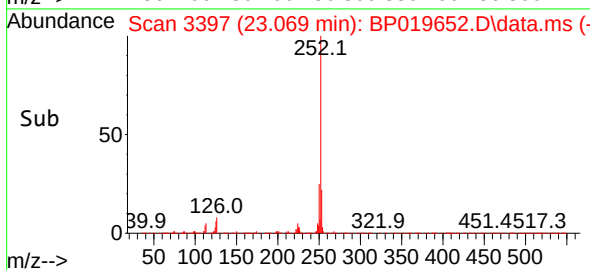
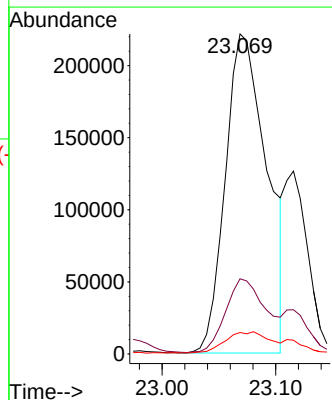
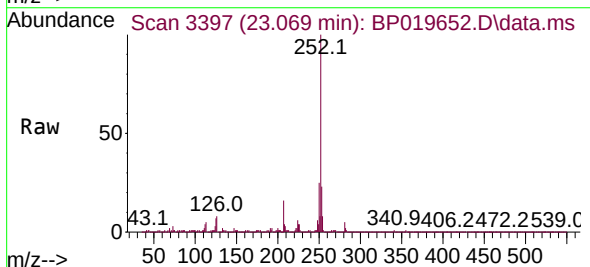
Tgt Ion:252 Resp: 561181

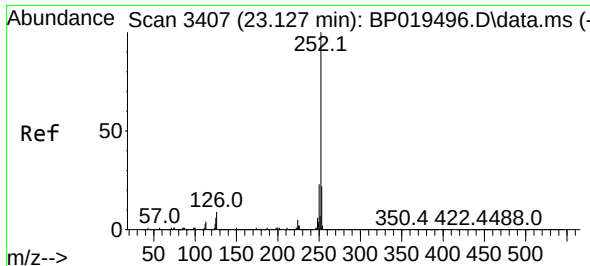
Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 6.7 4.9 7.3

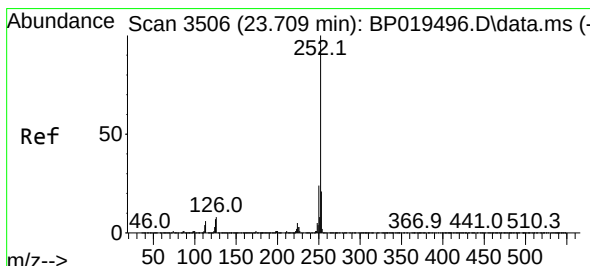
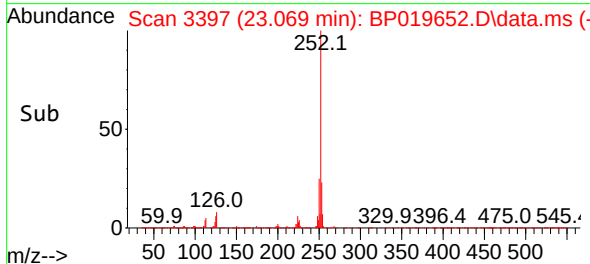
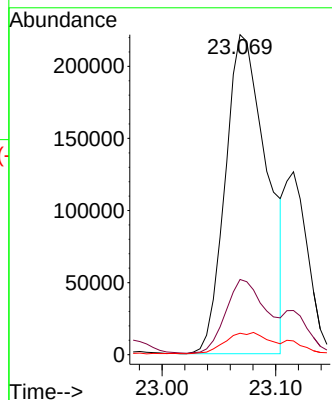
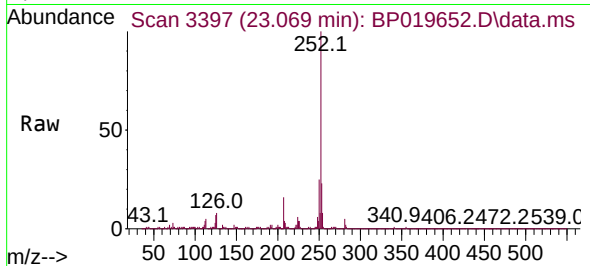




#89
Benzo(k)fluoranthene
Concen: 16.690 ng
RT: 23.069 min Scan# 31
Delta R.T. -0.058 min
Lab File: BP019652.D
Acq: 10 Feb 2024 02:22

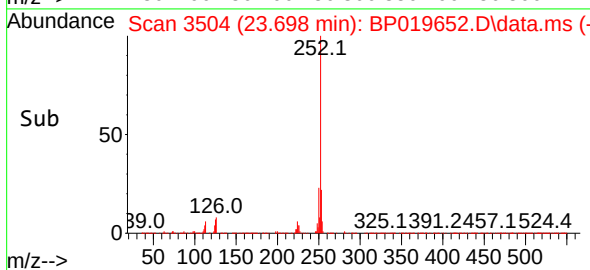
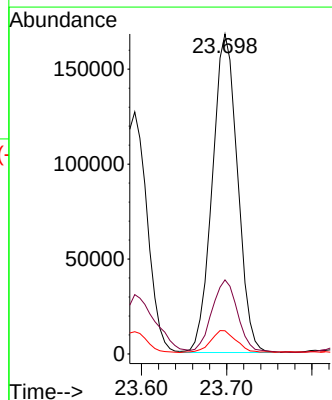
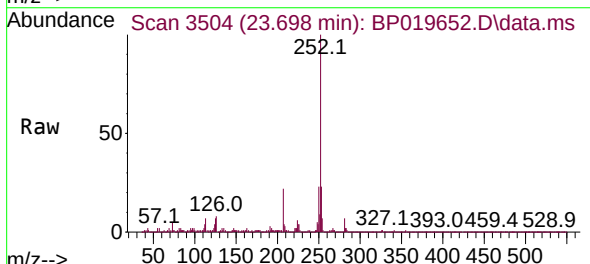
Instrument :
BNA_P
ClientSampleId :
WC-COMP

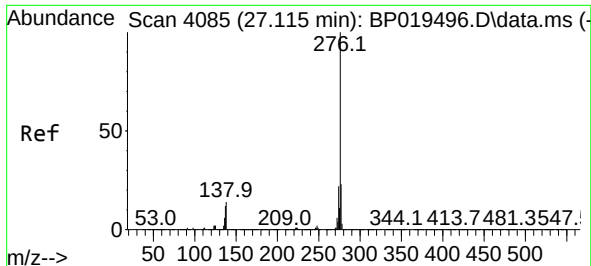
Tgt Ion:252 Resp: 561181
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 6.7 5.0 7.6



#90
Benzo(a)pyrene
Concen: 11.026 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.011 min
Lab File: BP019652.D
Acq: 10 Feb 2024 02:22

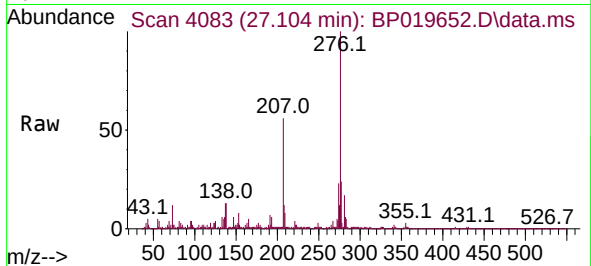
Tgt Ion:252 Resp: 345313
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 7.2 5.6 8.4





#92
Benzo(g,h,i)perylene
Concen: 6.958 ng
RT: 27.104 min Scan# 4083
Delta R.T. -0.011 min
Lab File: BP019652.D
Acq: 10 Feb 2024 02:22

Instrument :
BNA_P
ClientSampleId :
WC-COMP



Tgt Ion:276 Resp: 248176
Ion Ratio Lower Upper
276 100
277 24.1 18.6 28.0
138 13.5 10.9 16.3

