

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011123\
 Data File : BP013453.D
 Acq On : 11 Jan 2023 20:29
 Operator : CG/JU
 Sample : 01064-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-14-03

Quant Time: Jan 12 02:20:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 02:16:32 2023
 Response via : Initial Calibration

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

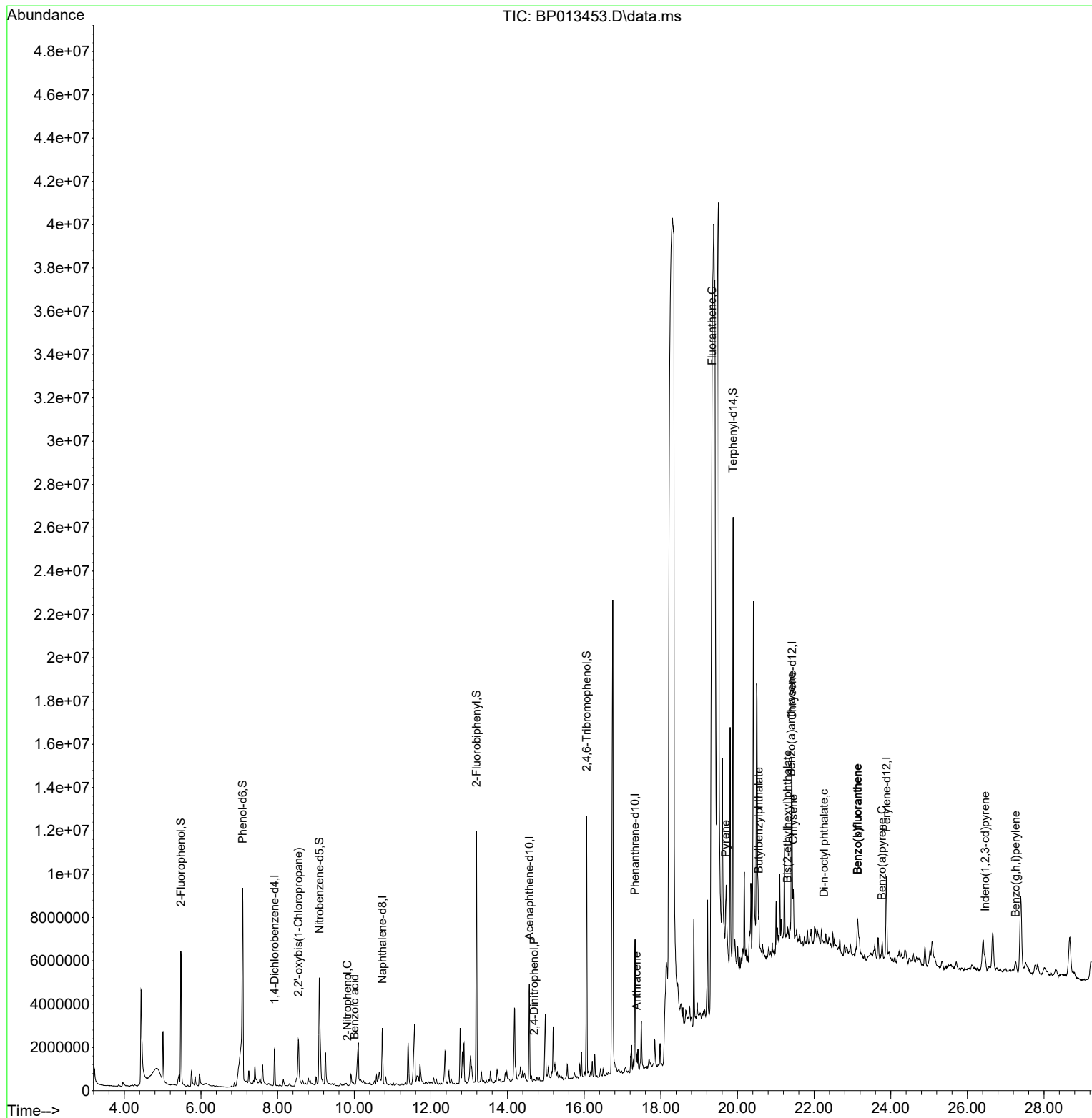
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	456316	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	2088753	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	1505100	20.000	ng	0.00
64) Phenanthrene-d10	17.328	188	3695519	20.000	ng	0.01
76) Chrysene-d12	21.422	240	2997582	20.000	ng	0.01
86) Perylene-d12	23.886	264	3066416	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	2709465	108.490	ng	0.00
7) Phenol-d6	7.087	99	3806070	116.697	ng	0.01
23) Nitrobenzene-d5	9.093	82	2227254	58.458	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	2437998	134.349	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	5965294	53.814	ng	0.00
79) Terphenyl-d14	19.886	244	10714410	70.517	ng	0.01
Target Compounds						Qvalue
16) 2,2'-oxybis(1-Chloropr...	8.546	45	112350	2.639	ng	91
26) 2-Nitrophenol	9.822	139	286	2.803	ng	# 1
32) Benzoic acid	10.005	122	13849	4.909	ng	# 83
54) 2,4-Dinitrophenol	14.693	184	232	3.612	ng	# 1
72) Anthracene	17.369	178	400970	2.031	ng	98
75) Fluoranthene	19.333	202	1238484	5.472	ng	91
78) Pyrene	19.692	202	1303520	6.052	ng	99
80) Butylbenzylphthalate	20.557	149	53076	2.751	ng	# 68
81) Benzo(a)anthracene	21.404	228	985862	4.812	ng	99
83) Chrysene	21.457	228	1189407	5.951	ng	97
84) Bis(2-ethylhexyl)phtha...	21.310	149	180792	4.385	ng	# 94
85) Di-n-octyl phthalate	22.257	149	30481	2.353	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.462	276	640527	2.556	ng	96
88) Benzo(b)fluoranthene	23.133	252	1571960	7.962	ng	# 94
89) Benzo(k)fluoranthene	23.133	252	1571960	7.871	ng	# 93
90) Benzo(a)pyrene	23.774	252	647686	3.909	ng	# 86
92) Benzo(g,h,i)perylene	27.257	276	680268	3.297	ng	# 92

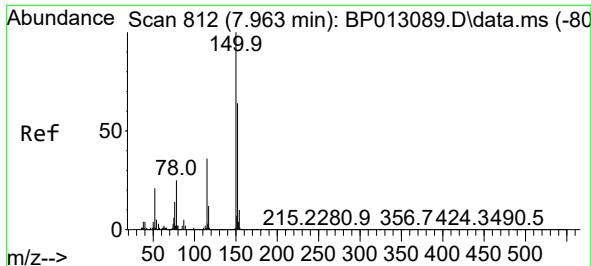
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 12 02:16:32 2023
Response via : Initial Calibration

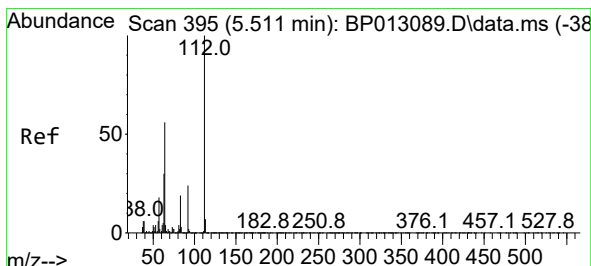
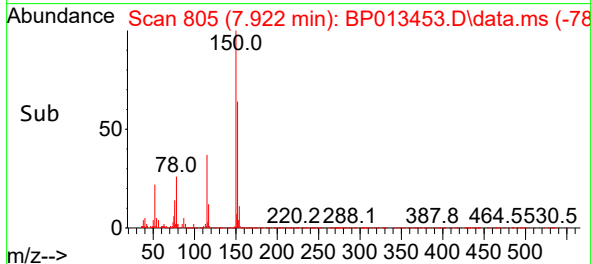
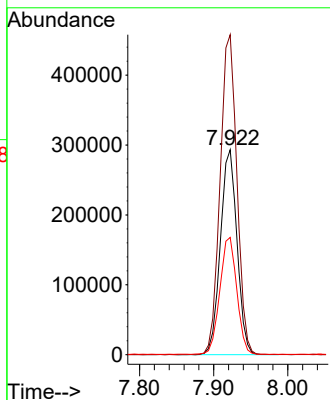
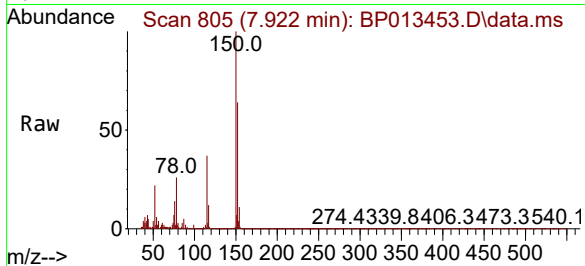




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

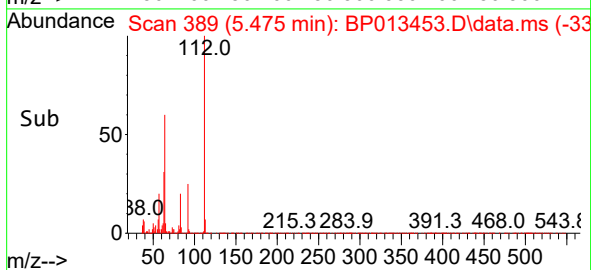
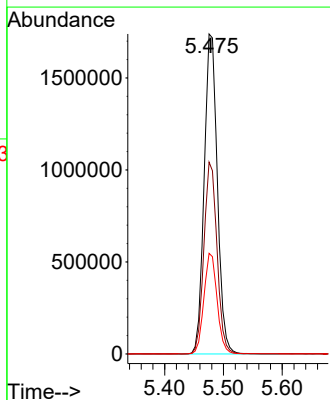
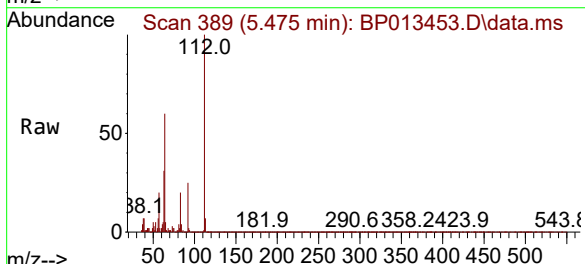
Instrument :
BNA_P
ClientSampleId :
S-14-03

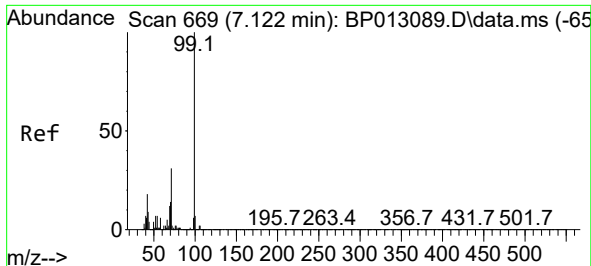
Tgt Ion:152 Resp: 456316
Ion Ratio Lower Upper
152 100
150 156.1 125.3 187.9
115 57.2 45.6 68.4



#5
2-Fluorophenol
Concen: 108.490 ng
RT: 5.475 min Scan# 389
Delta R.T. 0.006 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

Tgt Ion:112 Resp: 2709465
Ion Ratio Lower Upper
112 100
64 59.9 45.1 67.7
63 31.4 23.8 35.6

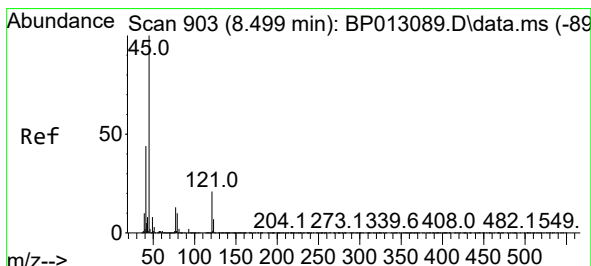
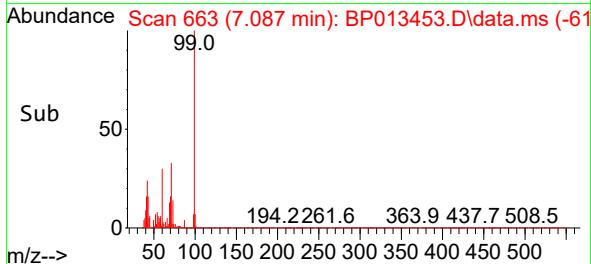
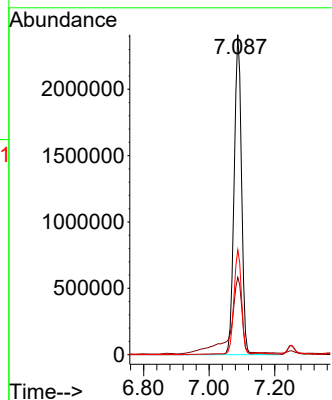
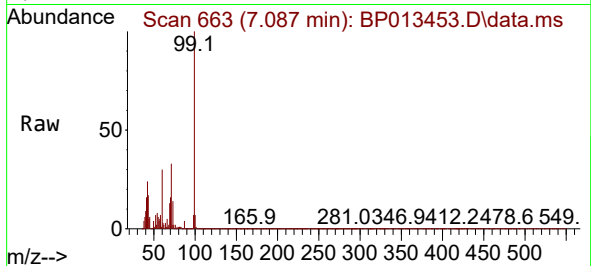




#7
Phenol-d6
Concen: 116.697 ng
RT: 7.087 min Scan# 60
Delta R.T. 0.012 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

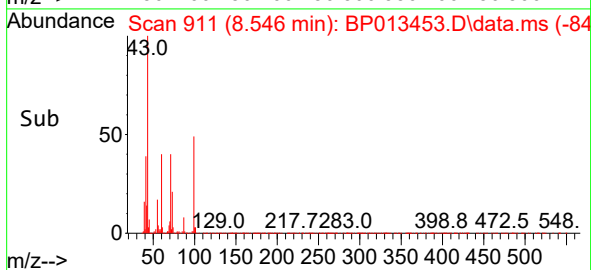
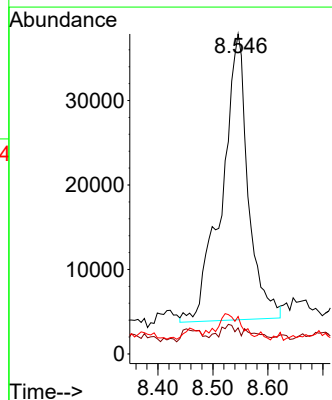
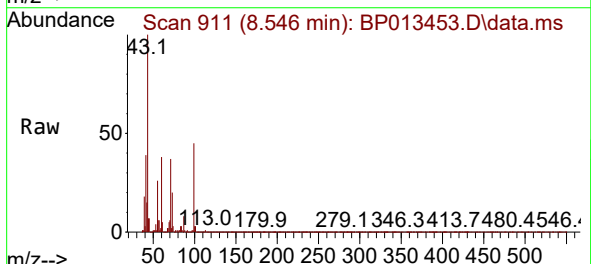
Instrument :
BNA_P
ClientSampleId :
S-14-03

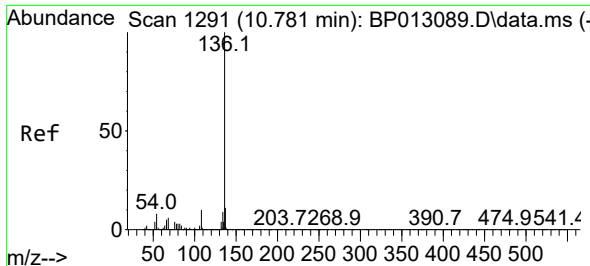
Tgt Ion: 99 Resp: 3806070
Ion Ratio Lower Upper
99 100
42 24.1 14.2 21.4#
71 32.8 24.7 37.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.639 ng
RT: 8.546 min Scan# 911
Delta R.T. 0.094 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

Tgt Ion: 45 Resp: 112350
Ion Ratio Lower Upper
45 100
77 8.2 0.0 33.6
79 11.7 0.0 30.6

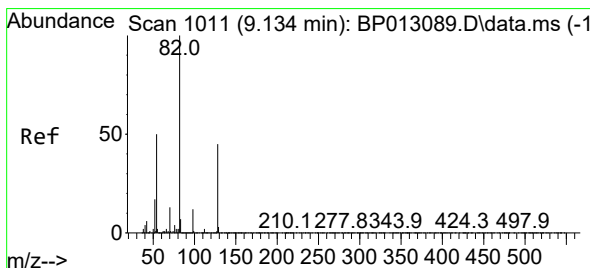
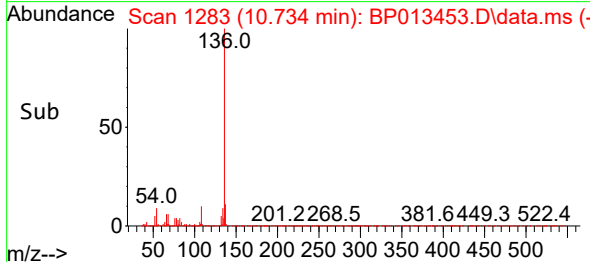
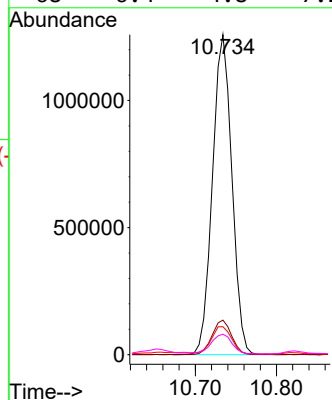
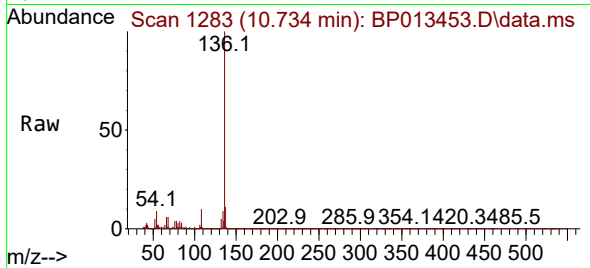




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1004
Delta R.T. 0.006 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

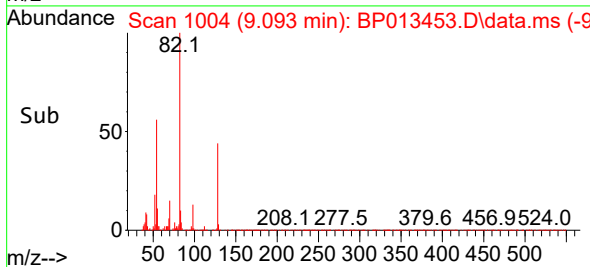
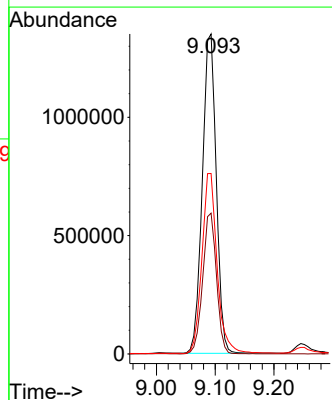
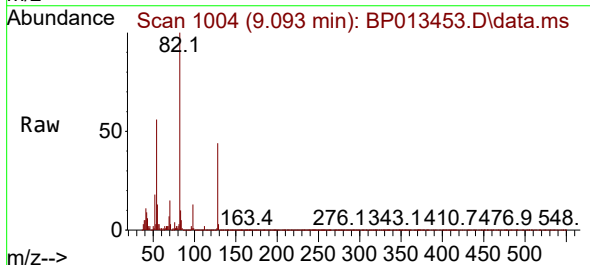
Instrument :
BNA_P
ClientSampleId :
S-14-03

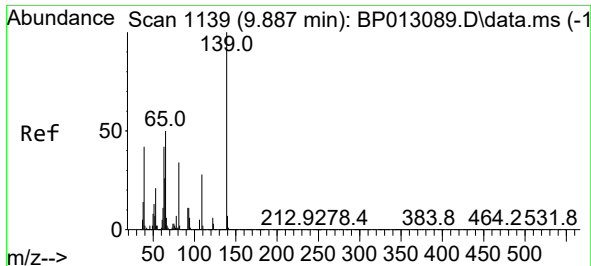
Tgt Ion:136 Resp: 2088753
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.7 6.2 9.4
68 6.4 4.8 7.2



#23
Nitrobenzene-d5
Concen: 58.458 ng
RT: 9.093 min Scan# 1004
Delta R.T. 0.006 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

Tgt Ion: 82 Resp: 2227254
Ion Ratio Lower Upper
82 100
128 44.0 35.9 53.9
54 56.4 40.4 60.6

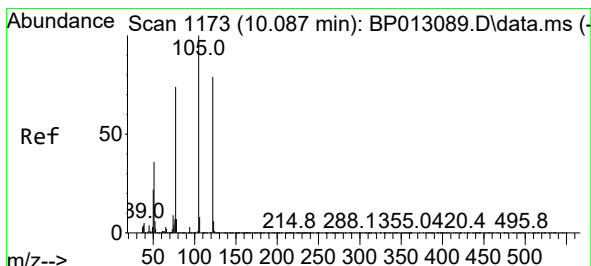
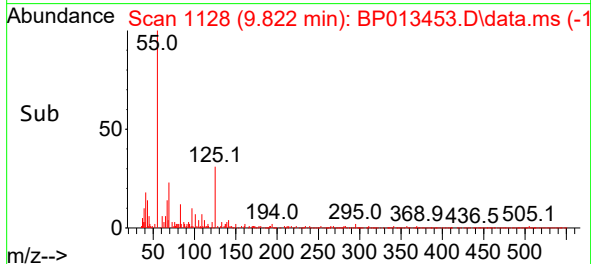
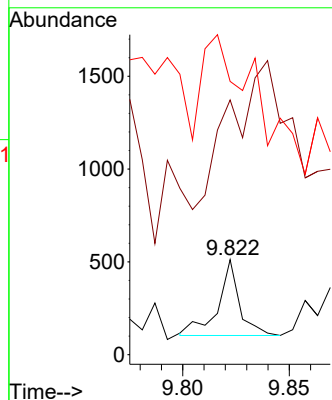
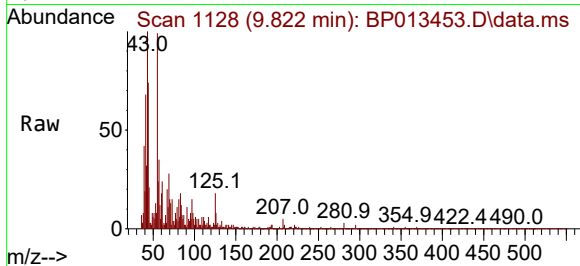




#26
2-Nitrophenol
Concen: 2.803 ng
RT: 9.822 min Scan# 1118
Delta R.T. -0.018 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

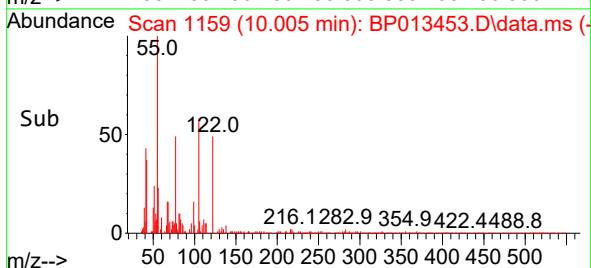
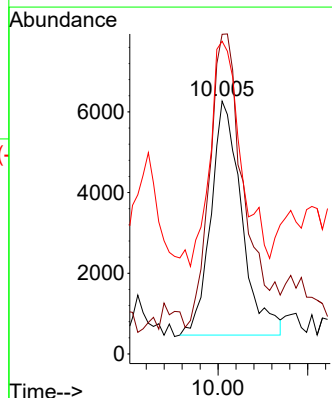
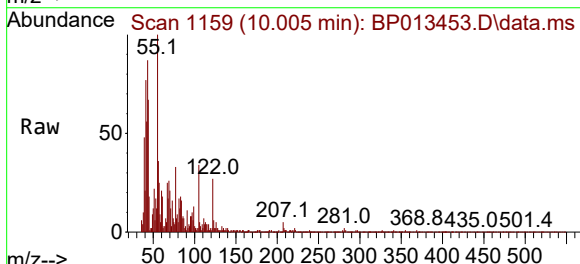
Instrument :
BNA_P
ClientSampleId :
S-14-03

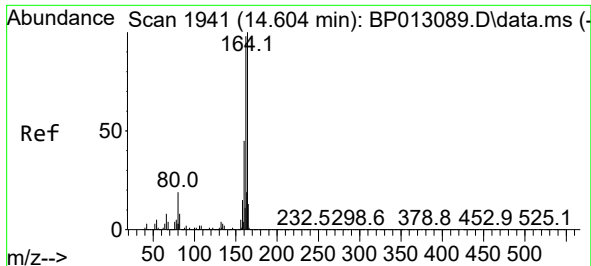
Tgt Ion:139 Resp: 286
Ion Ratio Lower Upper
139 100
109 268.0 22.5 33.7#
65 287.5 39.9 59.9#



#32
Benzoic acid
Concen: 4.909 ng
RT: 10.005 min Scan# 1159
Delta R.T. -0.023 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

Tgt Ion:122 Resp: 13849
Ion Ratio Lower Upper
122 100
105 126.5 101.9 141.9
77 123.7 71.7 111.7#

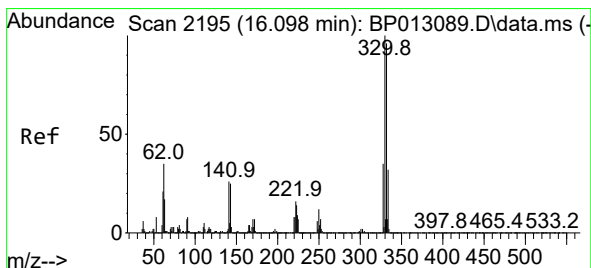
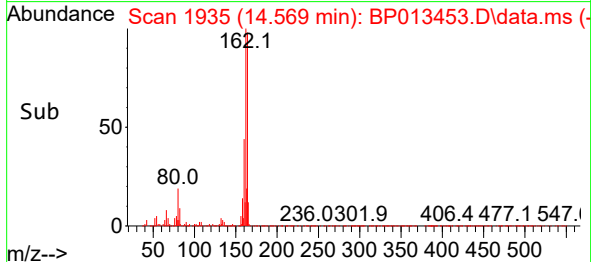
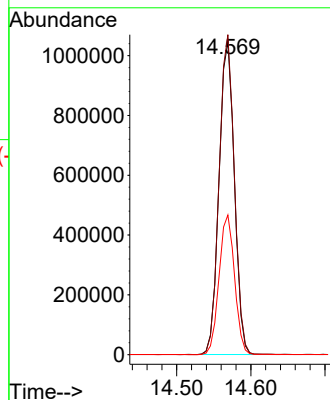
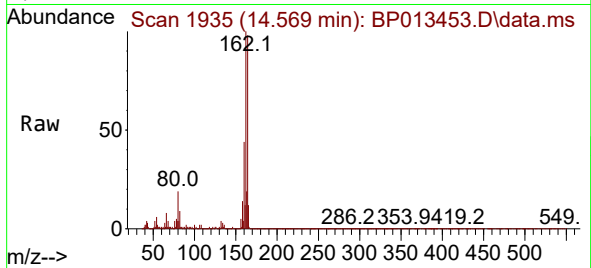




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

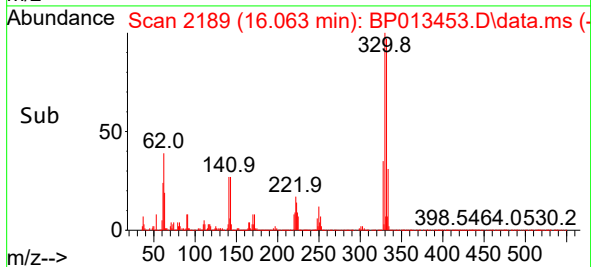
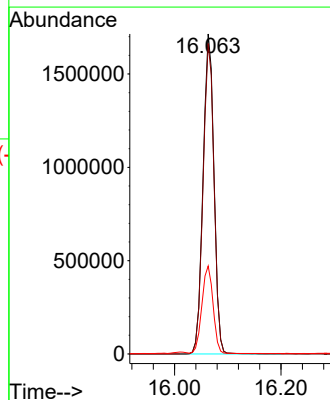
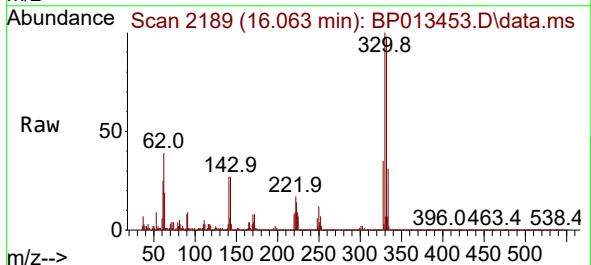
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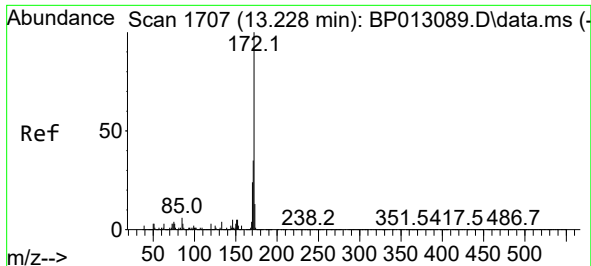
Tgt Ion:164 Resp: 1505100
Ion Ratio Lower Upper
164 100
162 102.2 78.8 118.2
160 44.6 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 134.349 ng
RT: 16.063 min Scan# 2189
Delta R.T. 0.006 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

Tgt Ion:330 Resp: 2437998
Ion Ratio Lower Upper
330 100
332 97.1 77.5 116.3
141 27.9 23.2 34.8

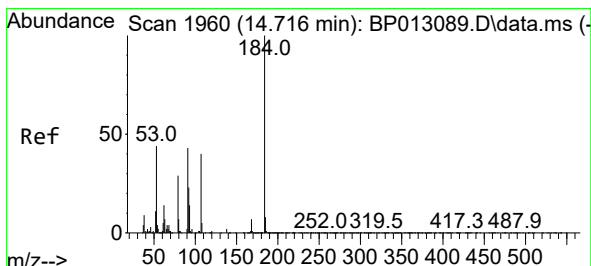
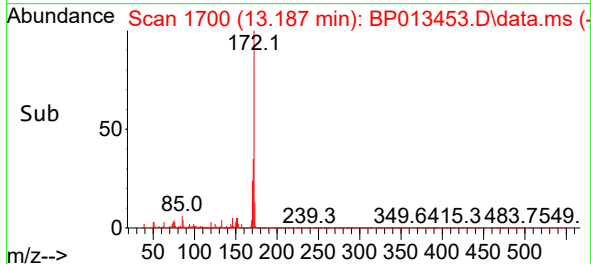
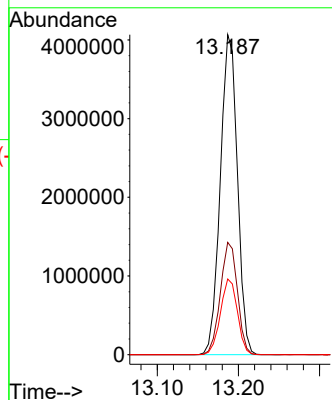
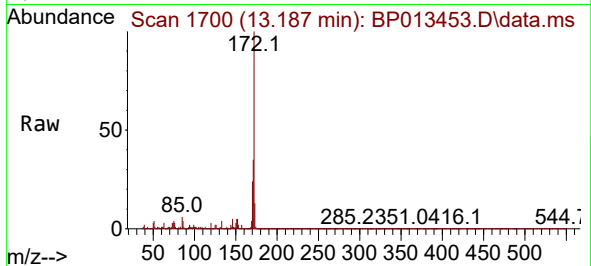




#45
2-Fluorobiphenyl
Concen: 53.814 ng
RT: 13.187 min Scan# 1707
Delta R.T. 0.006 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

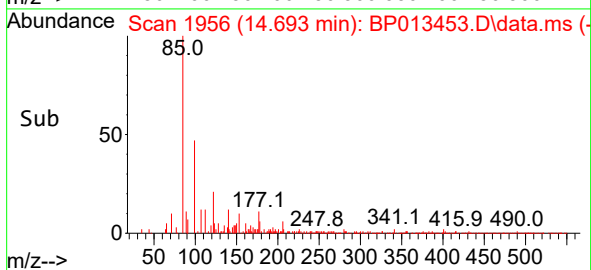
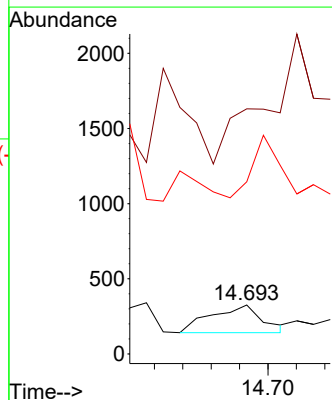
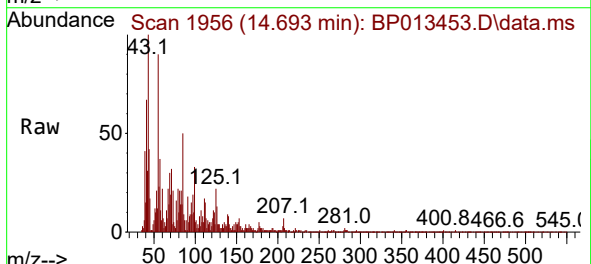
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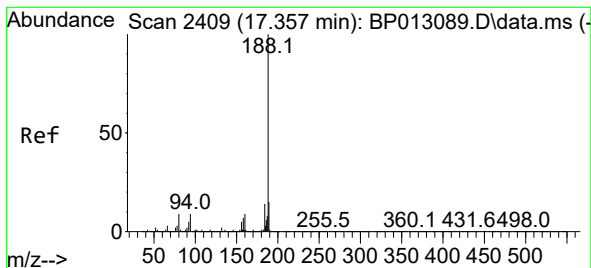
Tgt Ion:172 Resp: 5965294
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.6 19.2 28.8



#54
2,4-Dinitrophenol
Concen: 3.612 ng
RT: 14.693 min Scan# 1956
Delta R.T. 0.012 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

Tgt Ion:184 Resp: 232
Ion Ratio Lower Upper
184 100
63 500.3 47.6 71.4#
154 351.2 45.5 68.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.328 min Scan# 2410

Delta R.T. 0.012 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

Instrument :

BNA_P

ClientSampleId :

S-14-03

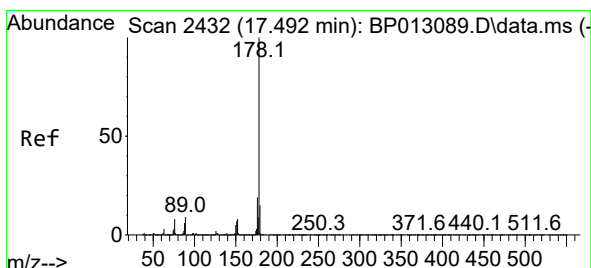
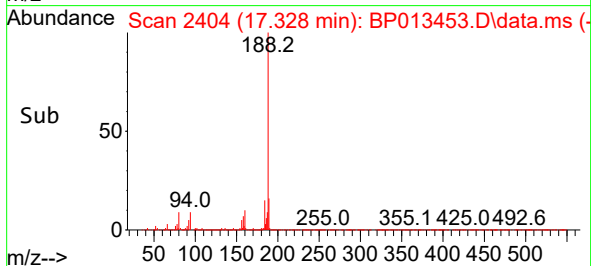
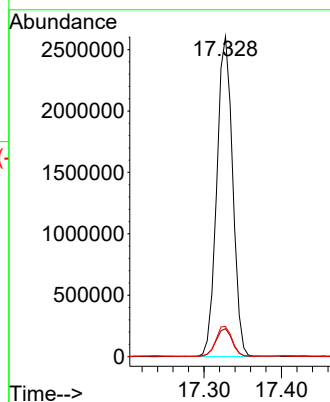
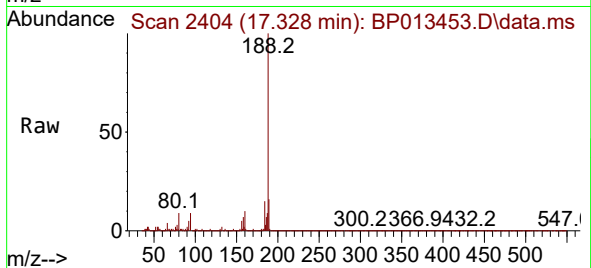
Tgt Ion:188 Resp: 3695519

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

80 9.4 7.5 11.3



#72

Anthracene

Concen: 2.031 ng

RT: 17.369 min Scan# 2411

Delta R.T. -0.082 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

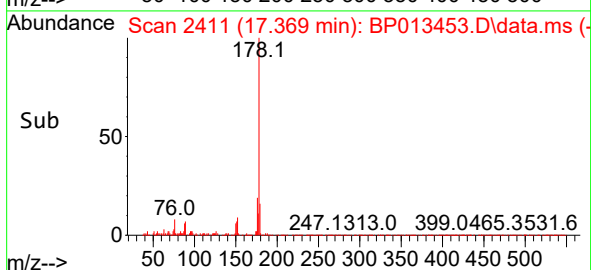
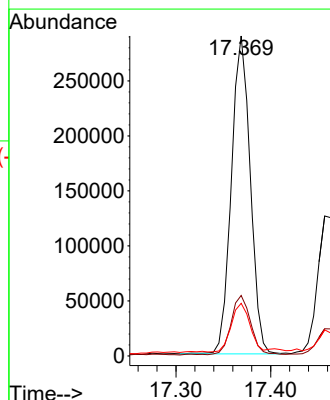
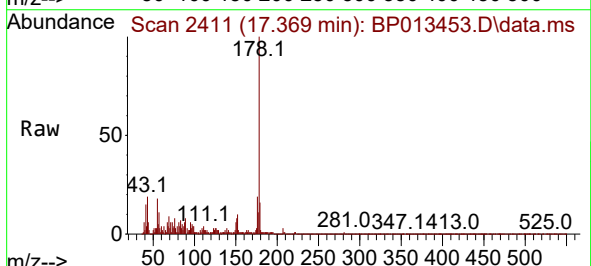
Tgt Ion:178 Resp: 400970

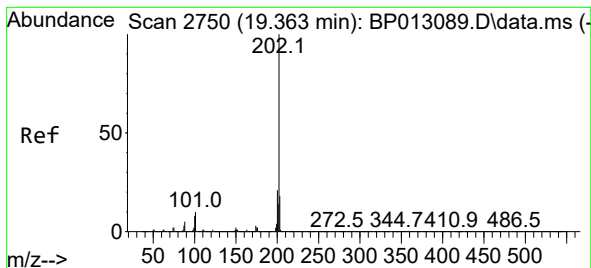
Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

179 16.5 12.4 18.6





#75

Fluoranthene

Concen: 5.472 ng

RT: 19.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

Instrument :

BNA_P

ClientSampleId :

S-14-03

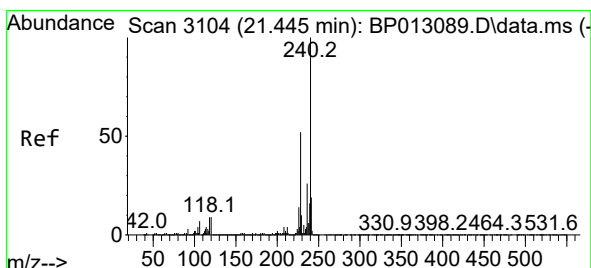
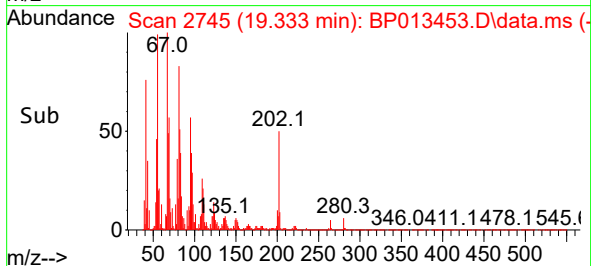
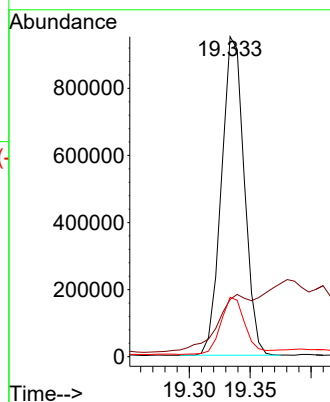
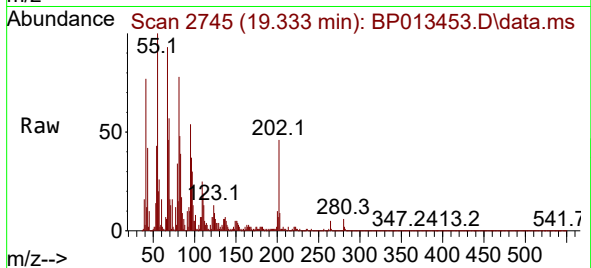
Tgt Ion:202 Resp: 1238484

Ion Ratio Lower Upper

202 100

101 17.9 0.0 30.0

203 18.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.422 min Scan# 3100

Delta R.T. 0.012 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

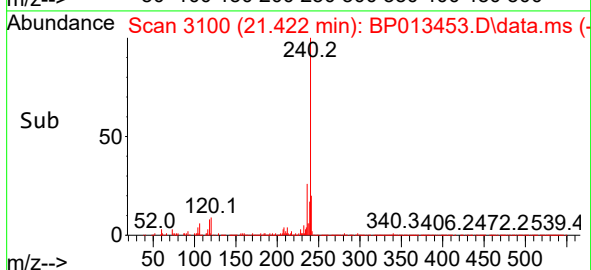
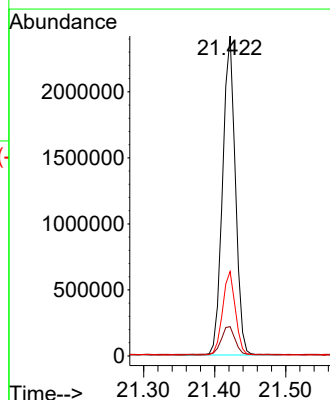
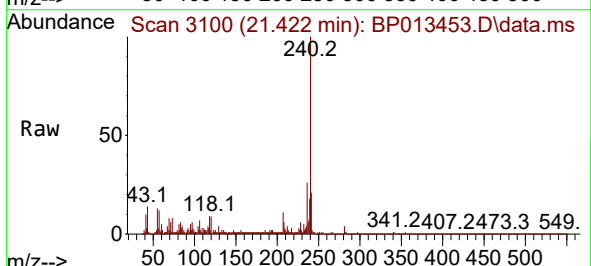
Tgt Ion:240 Resp: 2997582

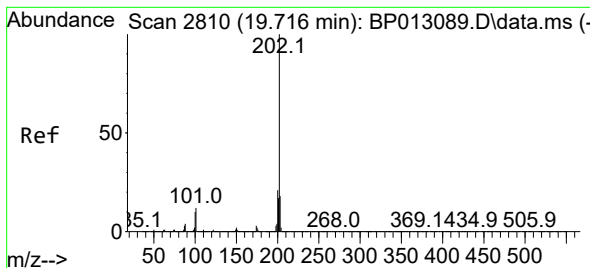
Ion Ratio Lower Upper

240 100

120 9.2 7.4 11.2

236 26.4 21.0 31.4





#78

Pyrene

Concen: 6.052 ng

RT: 19.692 min Scan# 2806

Delta R.T. 0.012 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

Instrument :

BNA_P

ClientSampleId :

S-14-03

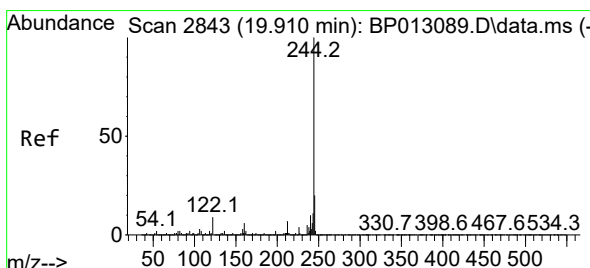
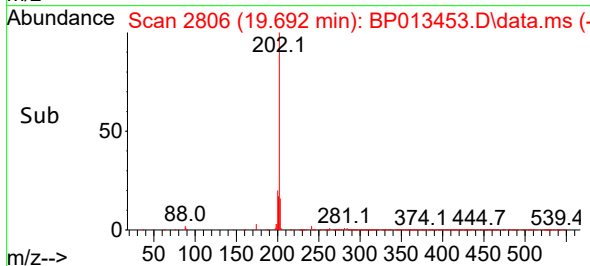
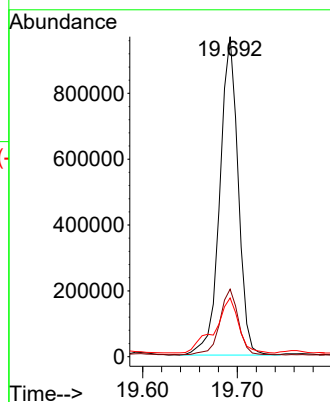
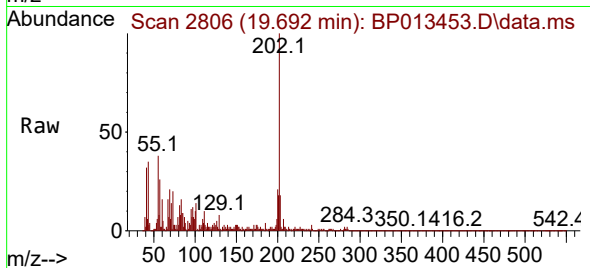
Tgt Ion:202 Resp: 1303520

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 18.4 14.2 21.2



#79

Terphenyl-d14

Concen: 70.517 ng

RT: 19.886 min Scan# 2839

Delta R.T. 0.012 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

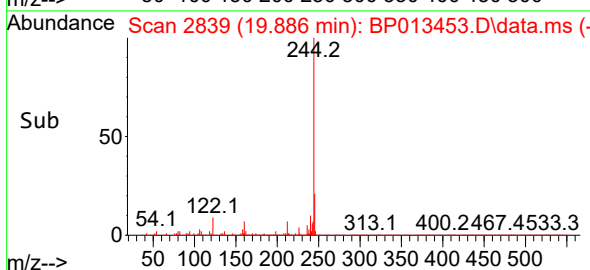
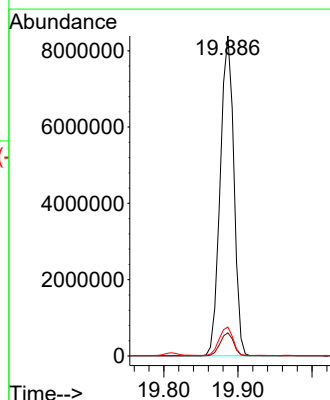
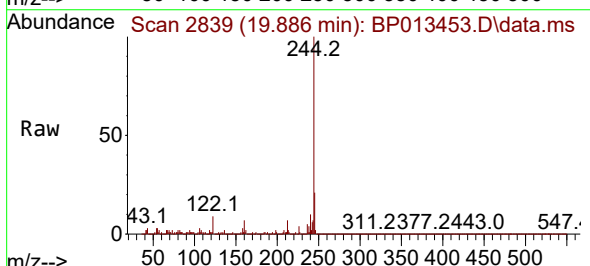
Tgt Ion:244 Resp:10714410

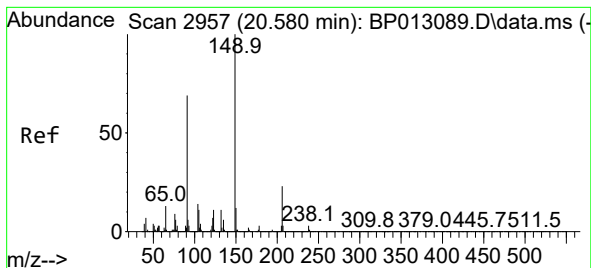
Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

122 9.1 7.2 10.8





#80

Butylbenzylphthalate

Concen: 2.751 ng

RT: 20.557 min Scan# 2957

Delta R.T. 0.012 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

Instrument :

BNA_P

ClientSampleId :

S-14-03

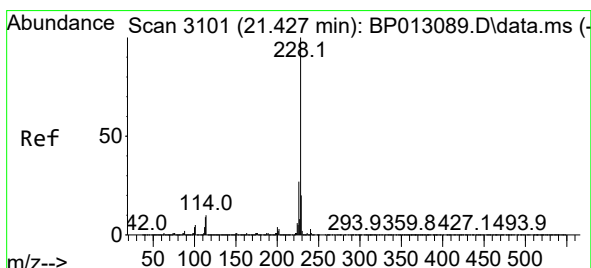
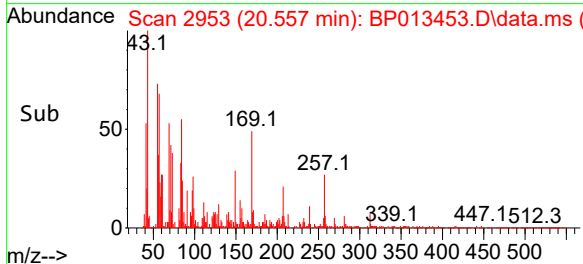
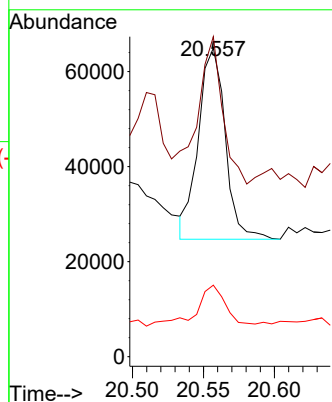
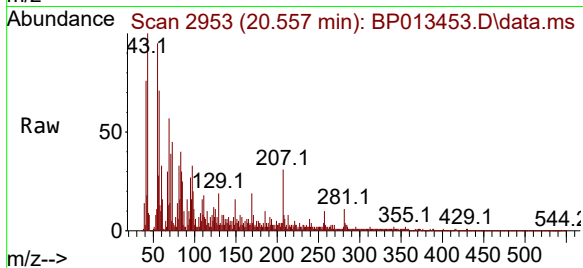
Tgt Ion:149 Resp: 53076

Ion Ratio Lower Upper

149 100

91 103.7 55.2 82.8#

206 23.2 18.3 27.5



#81

Benzo(a)anthracene

Concen: 4.812 ng

RT: 21.404 min Scan# 3097

Delta R.T. 0.012 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

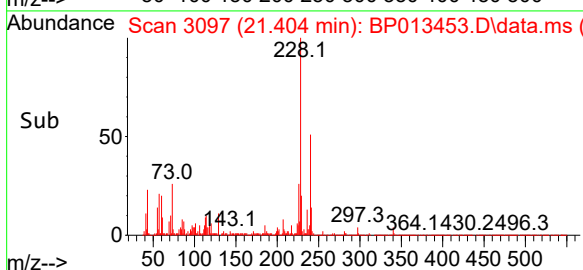
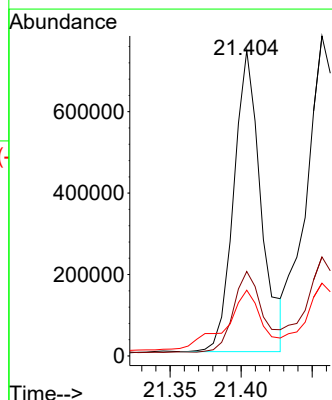
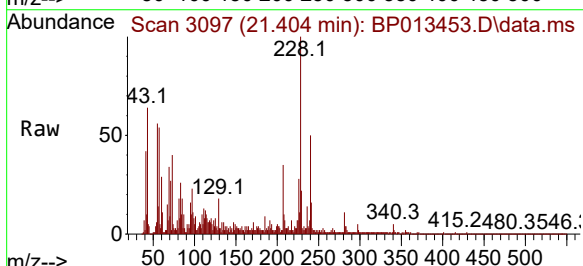
Tgt Ion:228 Resp: 985862

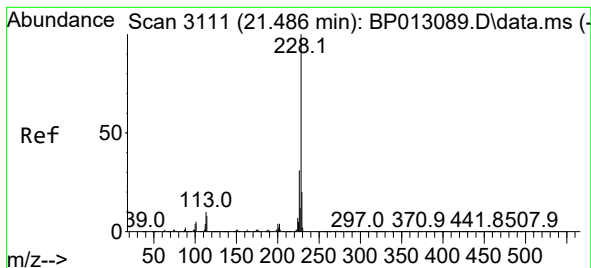
Ion Ratio Lower Upper

228 100

226 27.7 22.0 33.0

229 21.5 16.2 24.4





#83

Chrysene

Concen: 5.951 ng

RT: 21.457 min Scan# 3111

Delta R.T. 0.012 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

Instrument :

BNA_P

ClientSampleId :

S-14-03

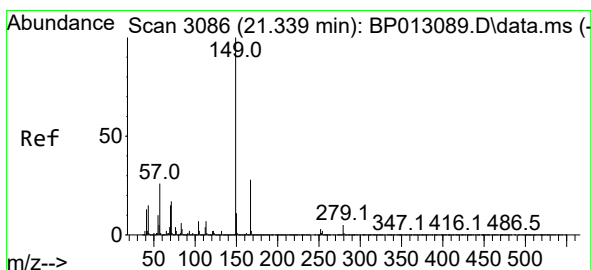
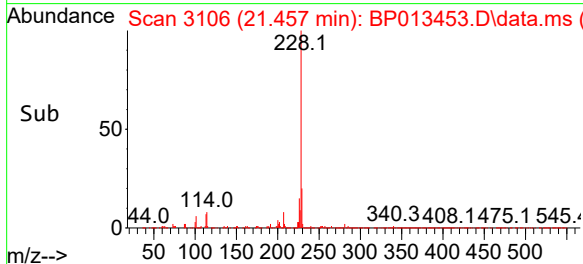
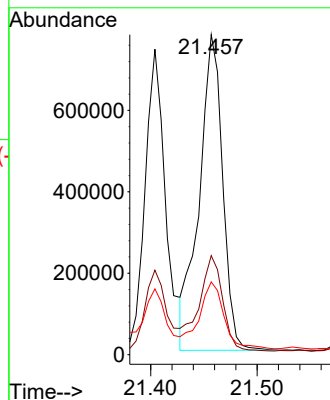
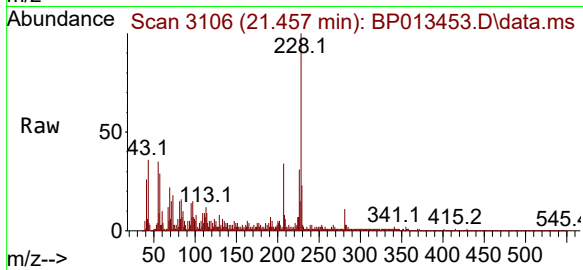
Tgt Ion:228 Resp: 1189407

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

229 22.7 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.385 ng

RT: 21.310 min Scan# 3081

Delta R.T. 0.006 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

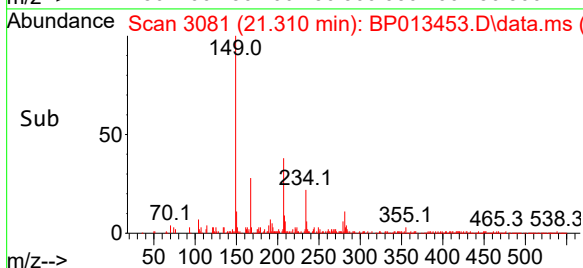
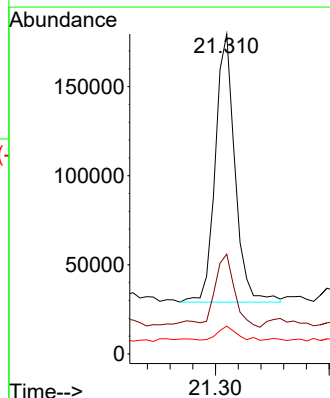
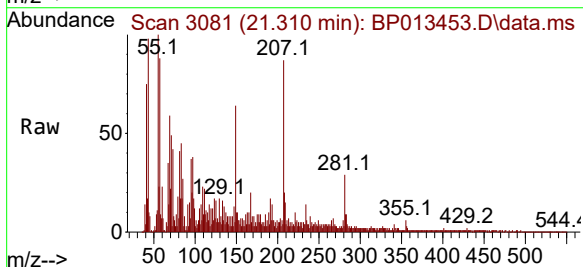
Tgt Ion:149 Resp: 180792

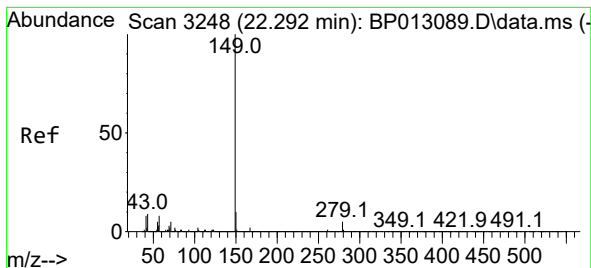
Ion Ratio Lower Upper

149 100

167 31.2 22.6 34.0

279 8.7 3.8 5.6#





#85

Di-n-octyl phthalate

Concen: 2.353 ng

RT: 22.257 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

Instrument :

BNA_P

ClientSampleId :

S-14-03

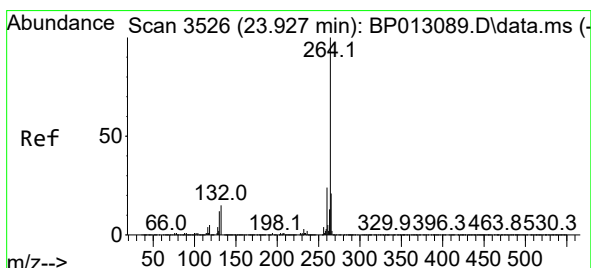
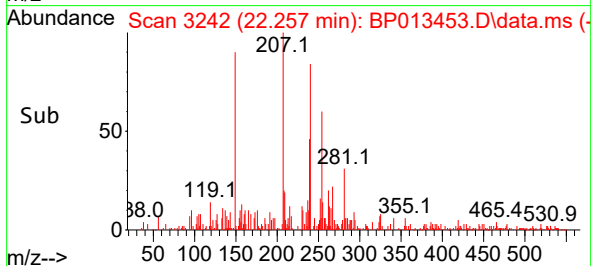
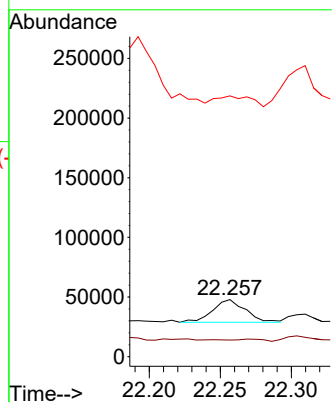
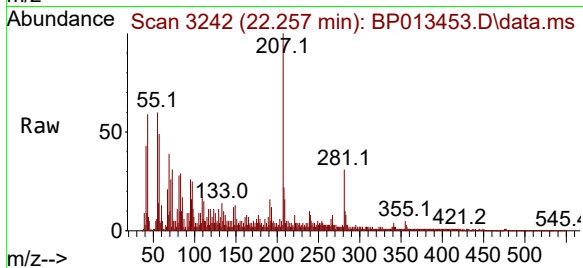
Tgt Ion:149 Resp: 30481

Ion Ratio Lower Upper

149 100

167 7.0 1.3 1.9#

43 51.7 7.8 11.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.886 min Scan# 3519

Delta R.T. 0.018 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

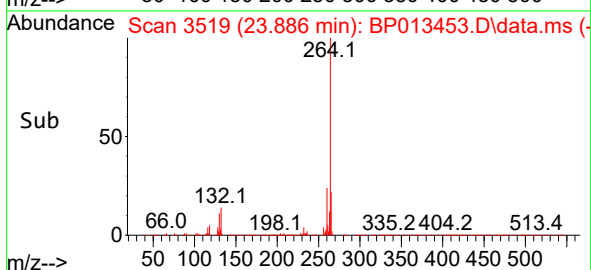
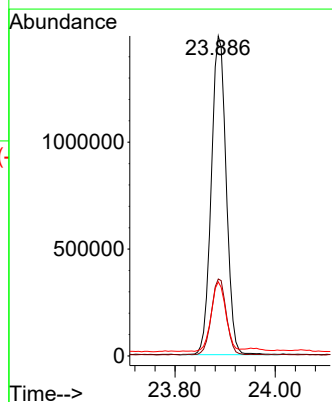
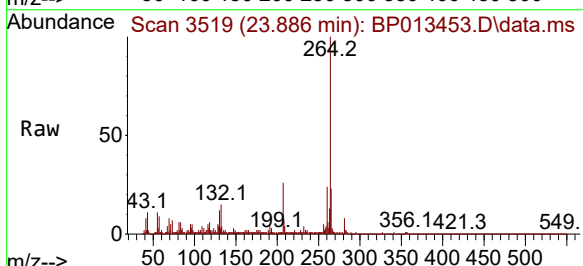
Tgt Ion:264 Resp: 3066416

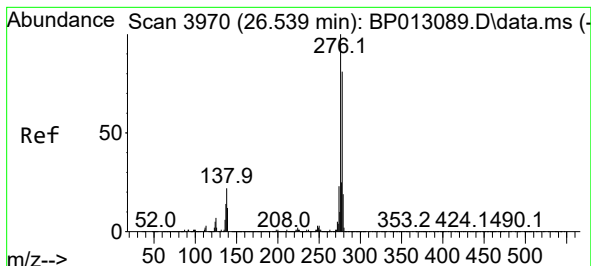
Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

265 23.2 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.556 ng

RT: 26.462 min Scan# 3957

Delta R.T. 0.018 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

Instrument :

BNA_P

ClientSampleId :

S-14-03

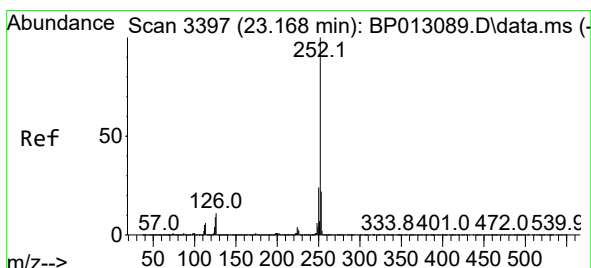
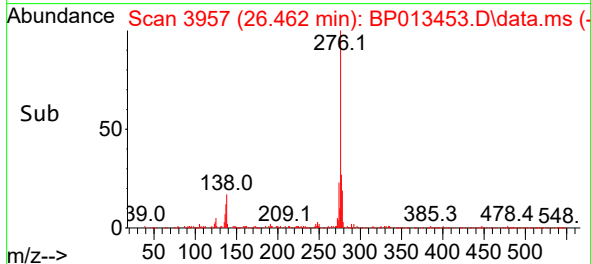
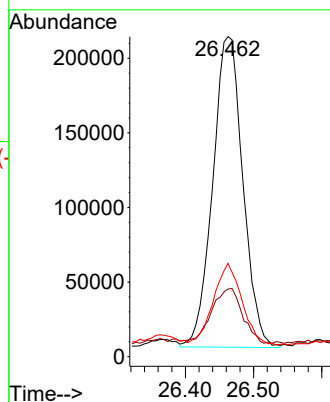
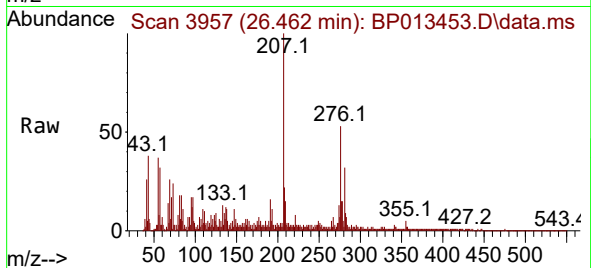
Tgt Ion:276 Resp: 640527

Ion Ratio Lower Upper

276 100

138 18.3 17.3 25.9

277 24.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 7.962 ng

RT: 23.133 min Scan# 3391

Delta R.T. 0.018 min

Lab File: BP013453.D

Acq: 11 Jan 2023 20:29

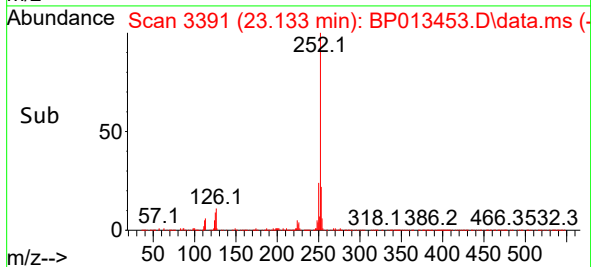
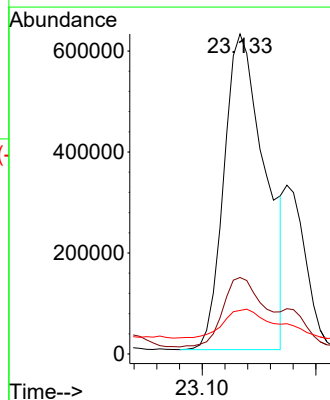
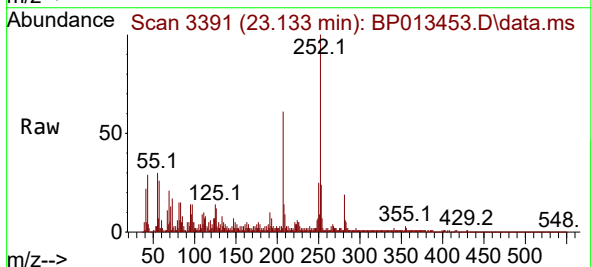
Tgt Ion:252 Resp: 1571960

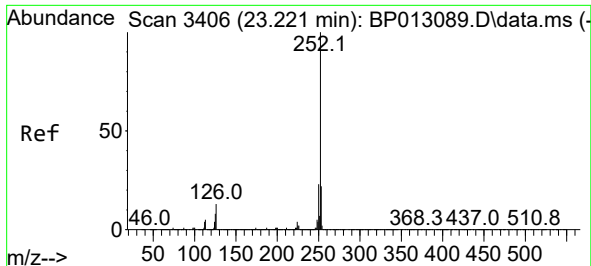
Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 13.6 7.0 10.4#

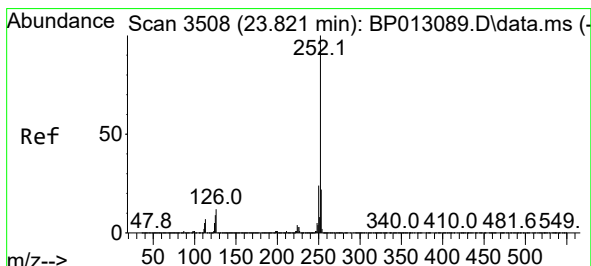
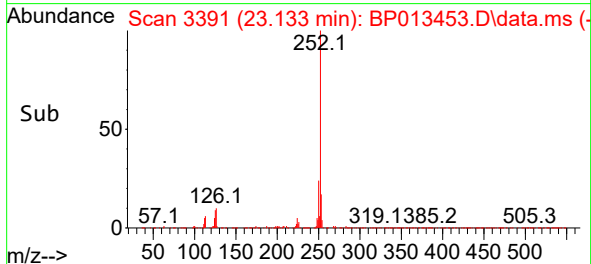
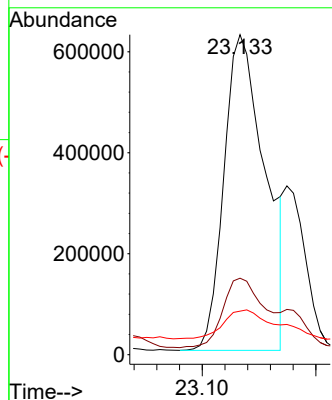
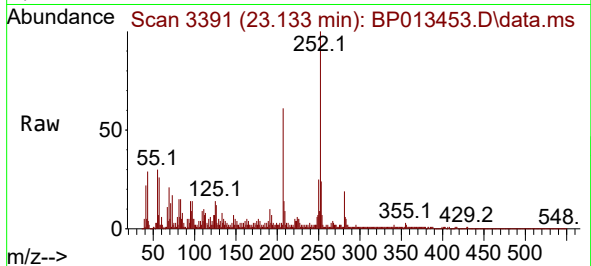




#89
Benzo(k)fluoranthene
Concen: 7.871 ng
RT: 23.133 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

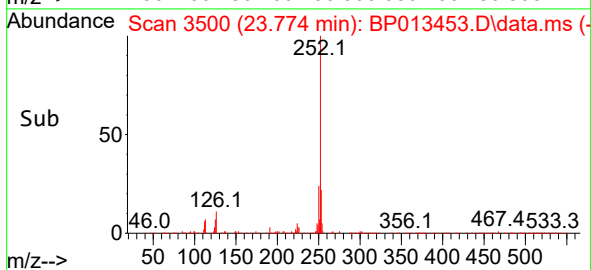
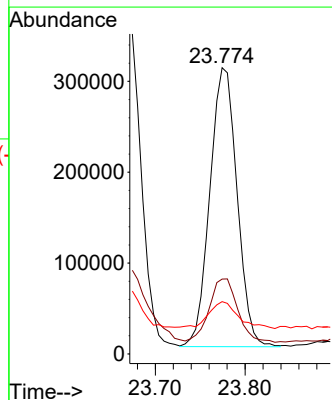
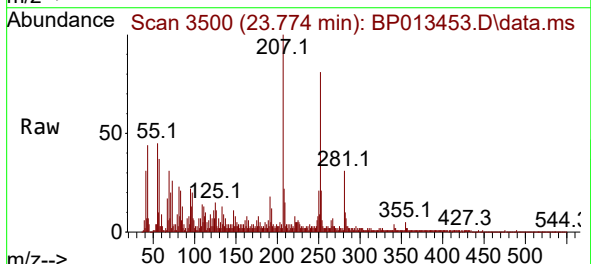
Instrument :
BNA_P
ClientSampleId :
S-14-03

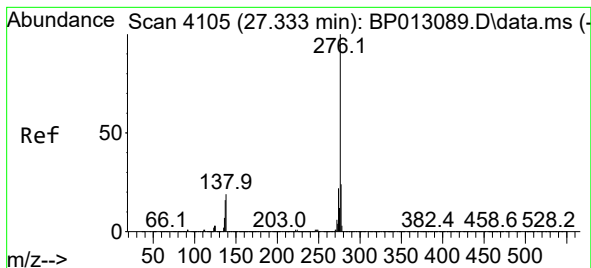
Tgt Ion:252 Resp: 1571960
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 13.6 6.7 10.1#



#90
Benzo(a)pyrene
Concen: 3.909 ng
RT: 23.774 min Scan# 3500
Delta R.T. 0.018 min
Lab File: BP013453.D
Acq: 11 Jan 2023 20:29

Tgt Ion:252 Resp: 647686
Ion Ratio Lower Upper
252 100
253 26.1 17.5 26.3
125 18.3 7.4 11.2#





#92

Benzo(g,h,i)perylene

Concen: 3.297 ng

RT: 27.257 min Scan# 4092

Delta R.T. 0.024 min

Lab File: BP013453.D

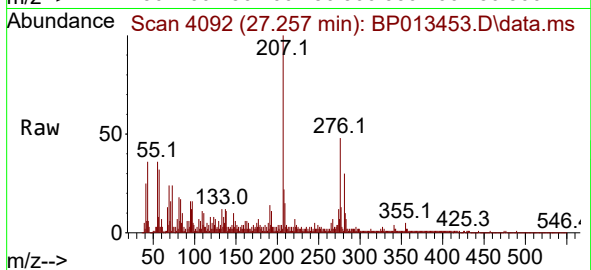
Acq: 11 Jan 2023 20:29

Instrument :

BNA_P

ClientSampleId :

S-14-03



Tgt Ion:276 Resp: 680268

Ion Ratio Lower Upper

276 100

277 27.1 18.9 28.3

138 23.0 15.0 22.6#

