

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011123\
 Data File : BP013445.D
 Acq On : 11 Jan 2023 15:54
 Operator : CG/JU
 Sample : 01105-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3

Quant Time: Jan 12 02:18:23 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)

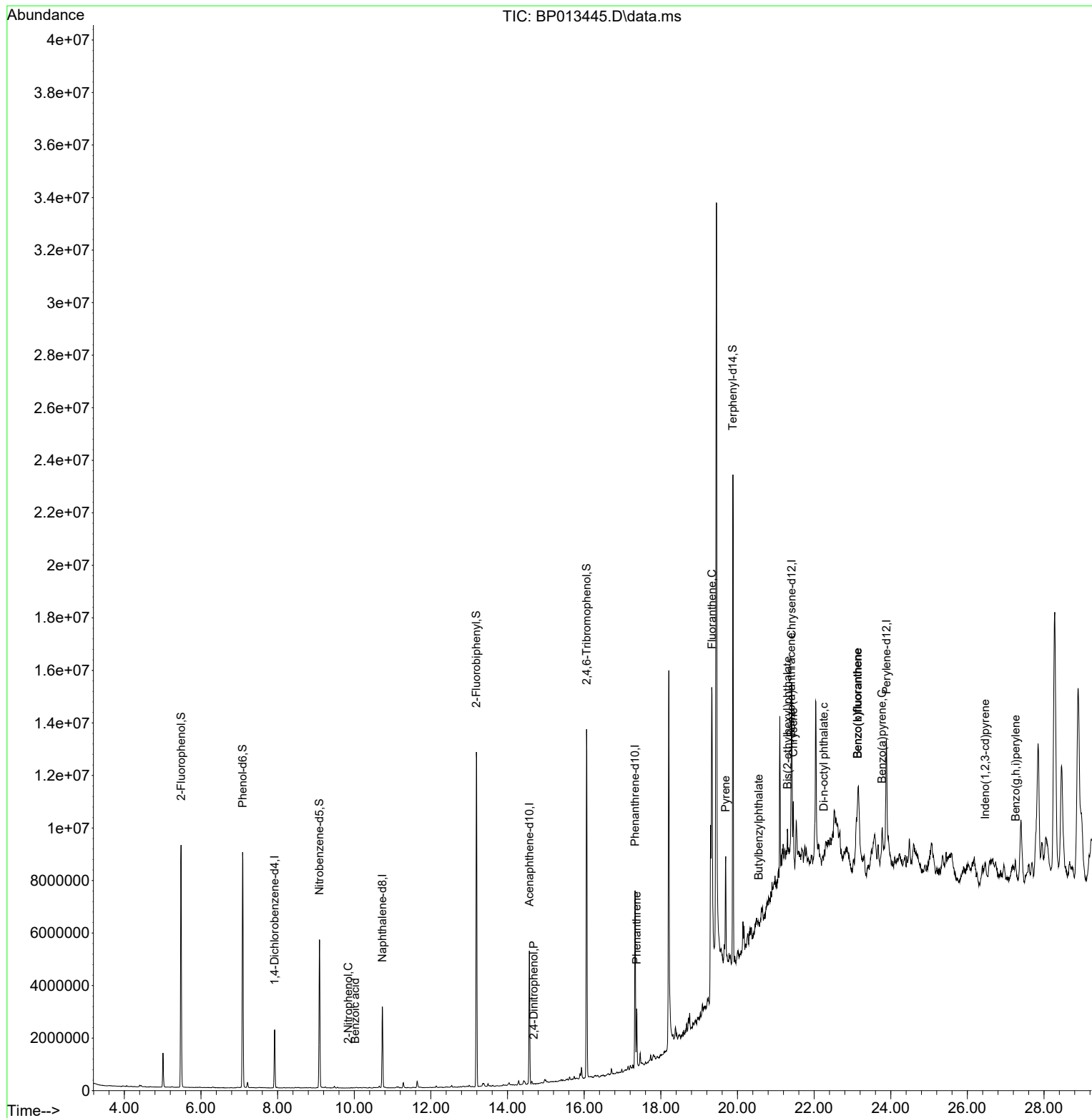
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	589089	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	2509520	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	1704246	20.000	ng	0.00
64) Phenanthrene-d10	17.328	188	4004211	20.000	ng	0.01
76) Chrysene-d12	21.416	240	3195160	20.000	ng	0.00
86) Perylene-d12	23.886	264	3334937	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	3953578	122.625	ng	0.01
7) Phenol-d6	7.087	99	5009921	118.987	ng	0.01
23) Nitrobenzene-d5	9.093	82	3045727	66.536	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	2799974	136.266	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	6650794	52.987	ng	0.00
79) Terphenyl-d14	19.881	244	9408533	58.094	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.846	139	445	2.807	ng	# 1
32) Benzoic acid	10.022	122	2029	4.440	ng	# 74
54) 2,4-Dinitrophenol	14.681	184	562	3.629	ng	# 1
71) Phenanthrene	17.369	178	1331380	5.843	ng	99
75) Fluoranthene	19.334	202	2884382	11.761	ng	98
78) Pyrene	19.692	202	2521858	10.984	ng	99
80) Butylbenzylphthalate	20.557	149	16842	2.289	ng	# 70
81) Benzo(a)anthracene	21.398	228	1193304	5.464	ng	97
83) Chrysene	21.457	228	1315895	6.177	ng	95
84) Bis(2-ethylhexyl)phtha...	21.310	149	234602	4.733	ng	# 87
85) Di-n-octyl phthalate	22.251	149	53045	2.470	ng	# 76
87) Indeno(1,2,3-cd)pyrene	26.463	276	707027	2.595	ng	96
88) Benzo(b)fluoranthene	23.133	252	1445356	6.731	ng	# 89
89) Benzo(k)fluoranthene	23.133	252	1445356	6.654	ng	# 89
90) Benzo(a)pyrene	23.774	252	989743	5.493	ng	# 88
92) Benzo(g,h,i)perylene	27.263	276	675831	3.012	ng	# 88

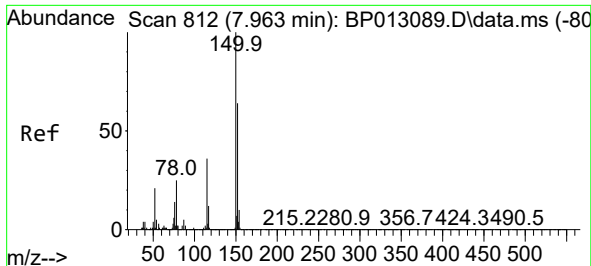
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 12 02:16:32 2023
Response via : Initial Calibration

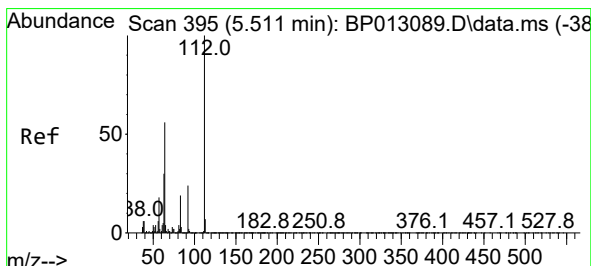
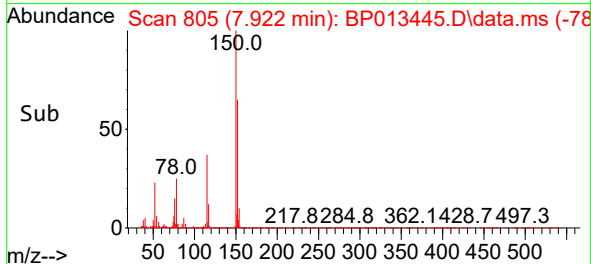
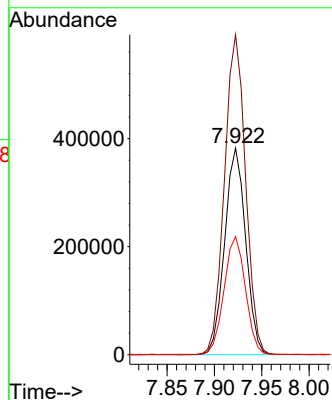
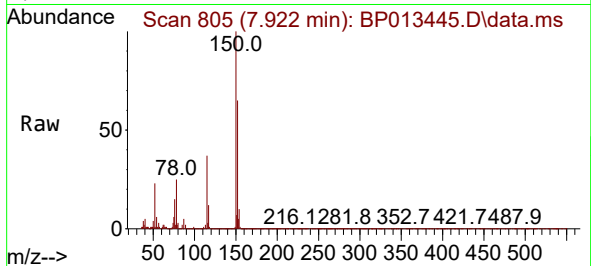




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

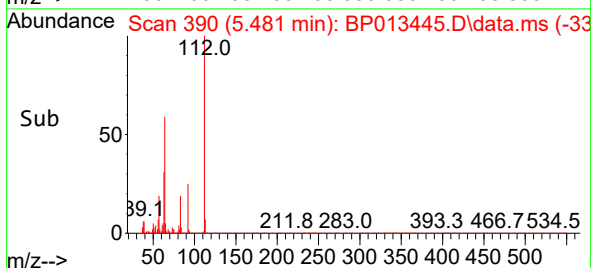
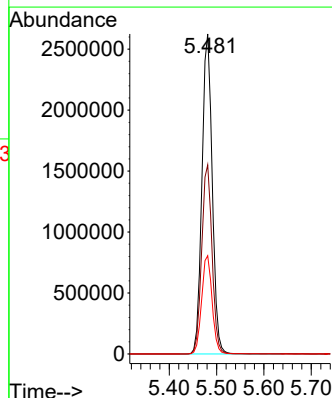
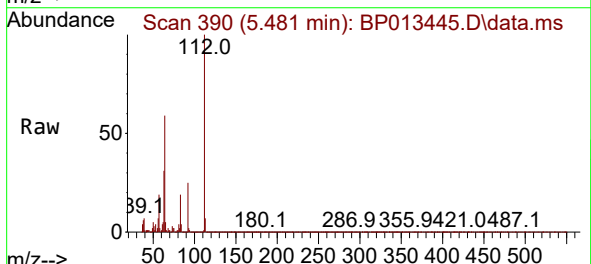
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BNA_P
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TP-3

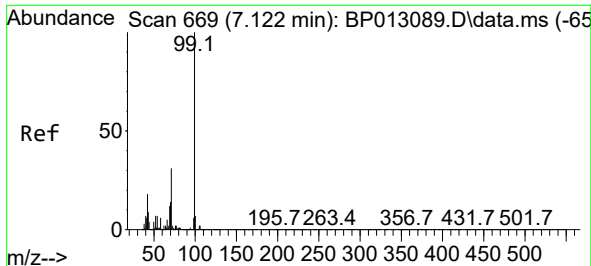
Tgt Ion:152 Resp: 589089
Ion Ratio Lower Upper
152 100
150 154.9 125.3 187.9
115 57.2 45.6 68.4



#5
2-Fluorophenol
Concen: 122.625 ng
RT: 5.481 min Scan# 390
Delta R.T. 0.012 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

Tgt Ion:112 Resp: 3953578
Ion Ratio Lower Upper
112 100
64 59.1 45.1 67.7
63 30.7 23.8 35.6

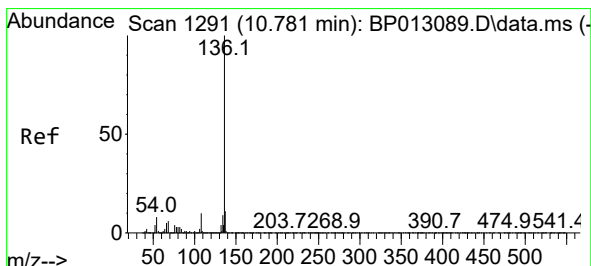
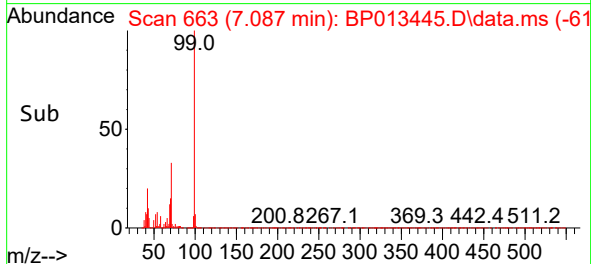
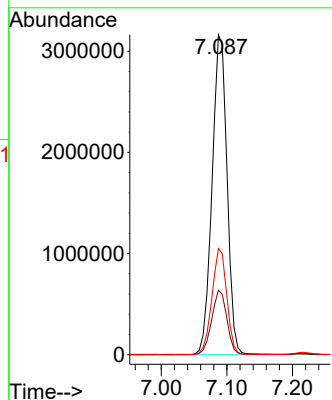
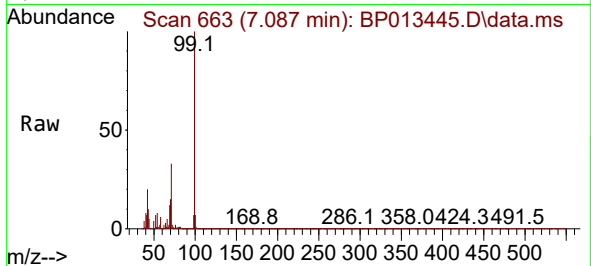




#7
Phenol-d6
Concen: 118.987 ng
RT: 7.087 min Scan# 60
Delta R.T. 0.012 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

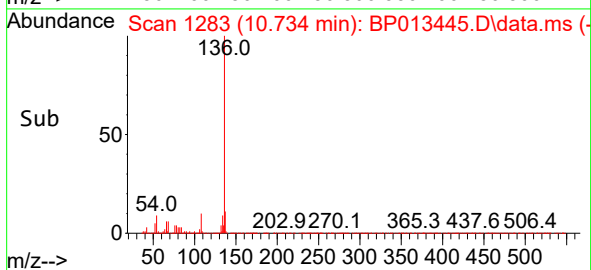
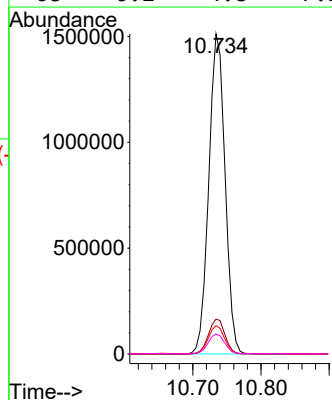
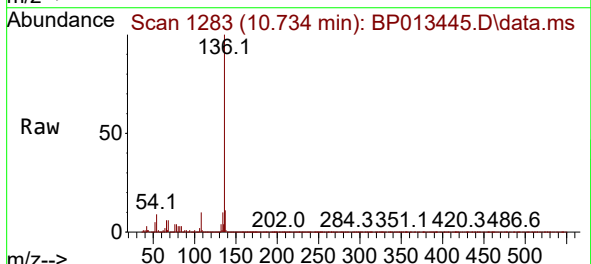
Instrument :
BNA_P
ClientSampleId :
TP-3

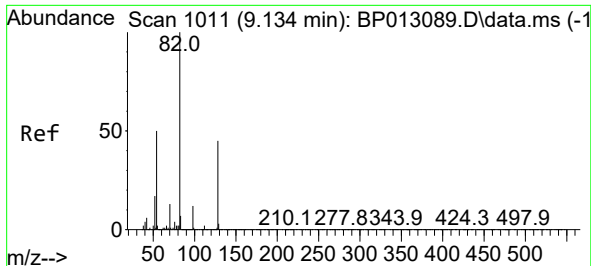
Tgt Ion: 99 Resp: 5009921
Ion Ratio Lower Upper
99 100
42 20.1 14.2 21.4
71 33.1 24.7 37.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

Tgt Ion:136 Resp: 2509520
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.8 6.2 9.4
68 6.2 4.8 7.2

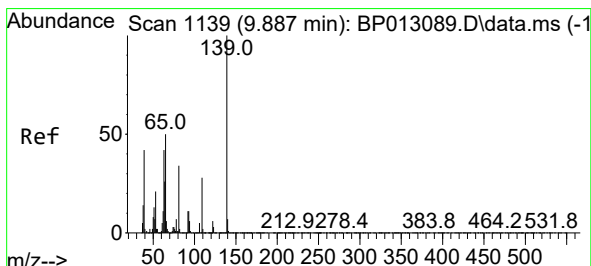
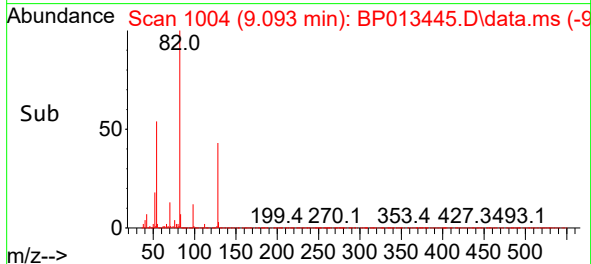
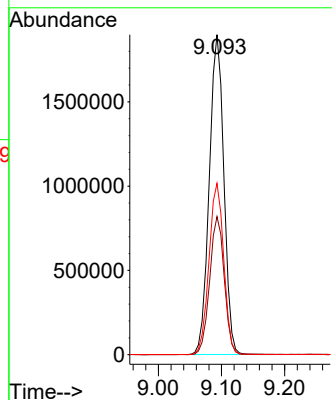
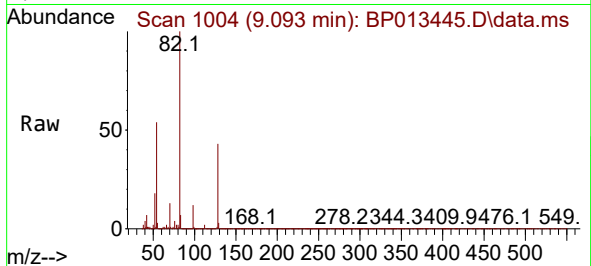




#23
Nitrobenzene-d5
Concen: 66.536 ng
RT: 9.093 min Scan# 1004
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

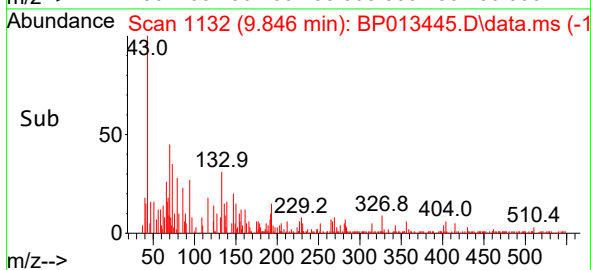
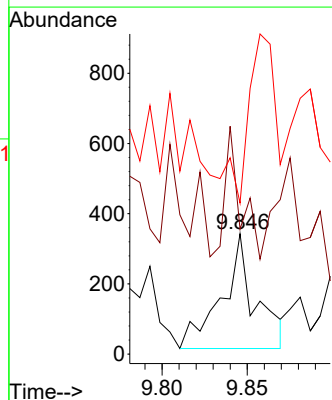
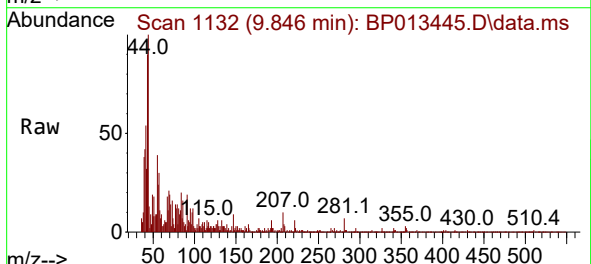
Instrument :
BNA_P
ClientSampleId :
TP-3

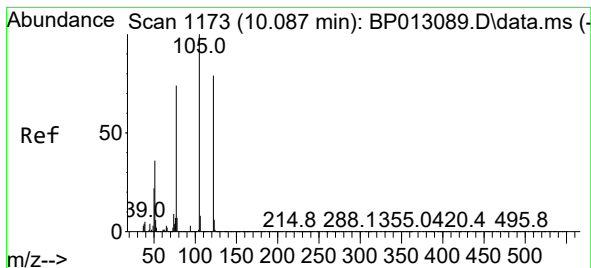
Tgt Ion: 82 Resp: 3045727
Ion Ratio Lower Upper
82 100
128 43.1 35.9 53.9
54 53.5 40.4 60.6



#26
2-Nitrophenol
Concen: 2.807 ng
RT: 9.846 min Scan# 1132
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

Tgt Ion:139 Resp: 445
Ion Ratio Lower Upper
139 100
109 103.8 22.5 33.7#
65 125.4 39.9 59.9#





#32

Benzoic acid

Concen: 4.440 ng

RT: 10.022 min Scan# 1162

Delta R.T. -0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

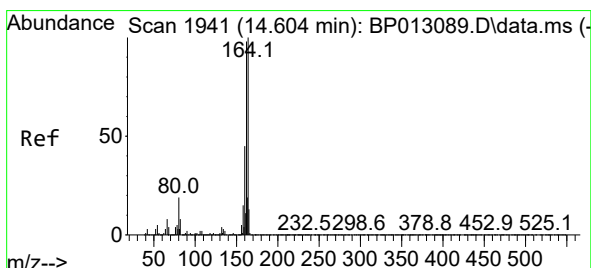
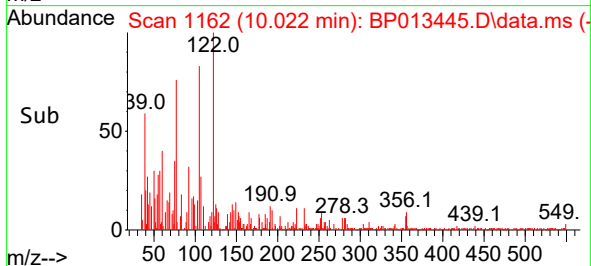
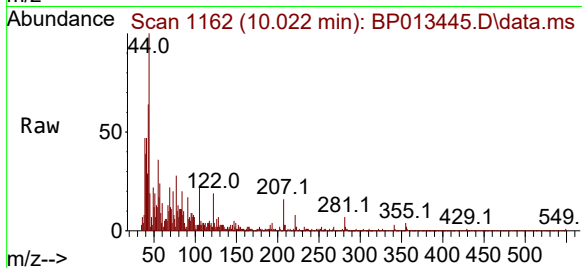
Tgt Ion:122 Resp: 2029

Ion Ratio Lower Upper

122 100

105 118.0 101.9 141.9

77 144.5 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: BP013445.D

Acq: 11 Jan 2023 15:54

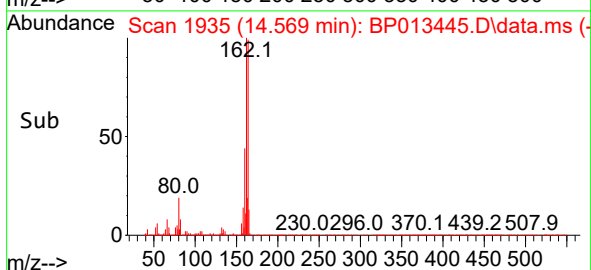
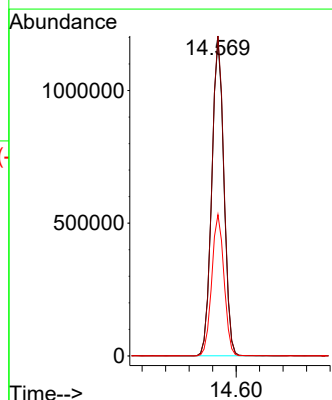
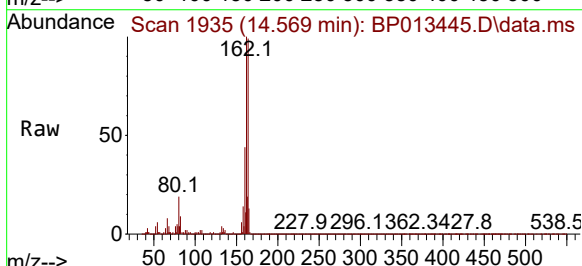
Tgt Ion:164 Resp: 1704246

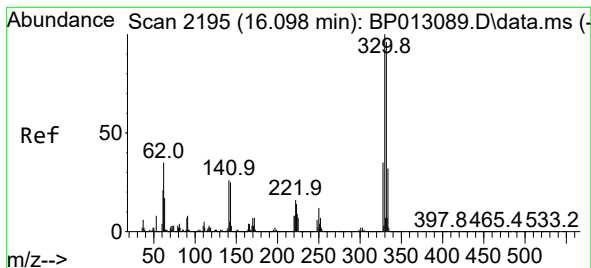
Ion Ratio Lower Upper

164 100

162 101.2 78.8 118.2

160 44.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 136.266 ng

RT: 16.063 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

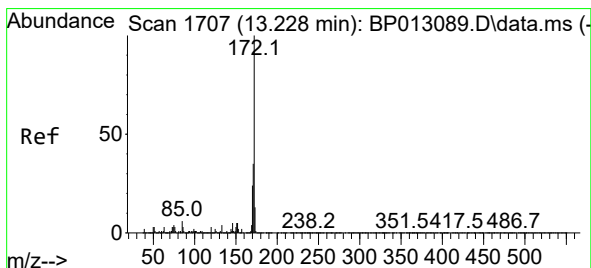
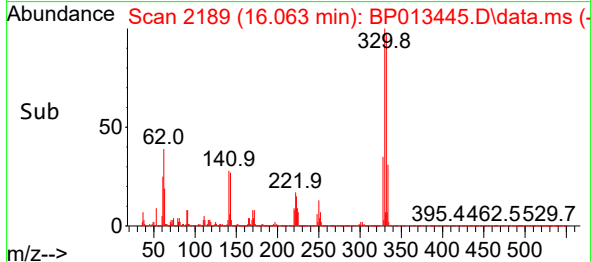
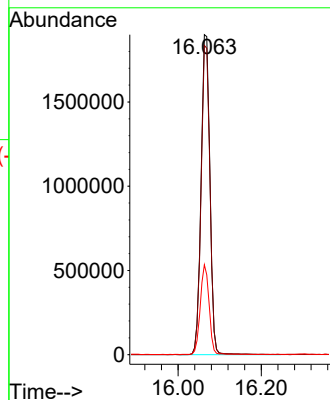
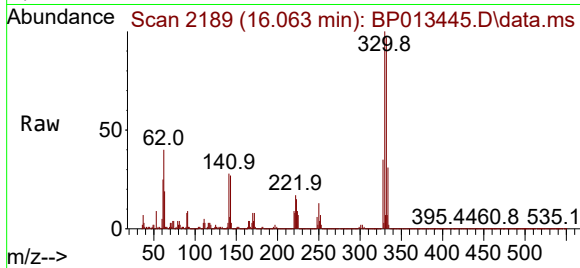
Tgt Ion:330 Resp: 2799974

Ion Ratio Lower Upper

330 100

332 96.5 77.5 116.3

141 27.9 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 52.987 ng

RT: 13.187 min Scan# 1700

Delta R.T. 0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

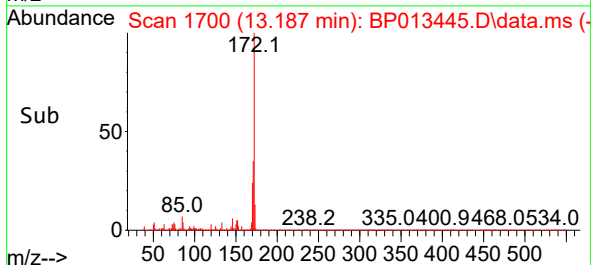
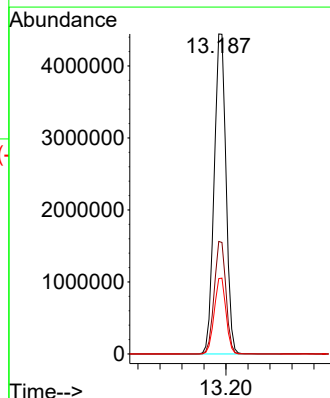
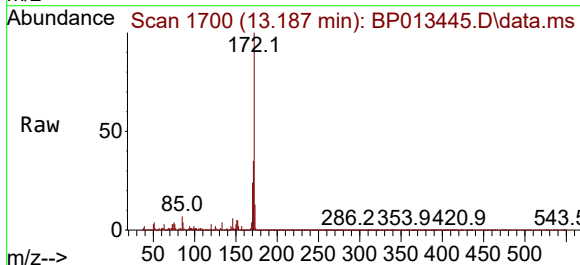
Tgt Ion:172 Resp: 6650794

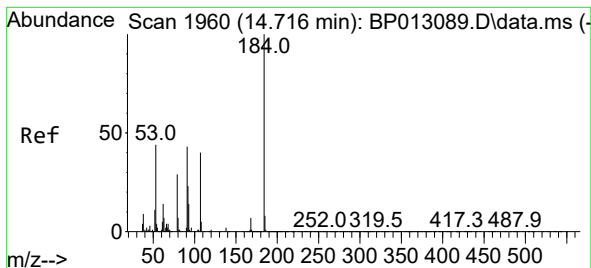
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.6 19.2 28.8

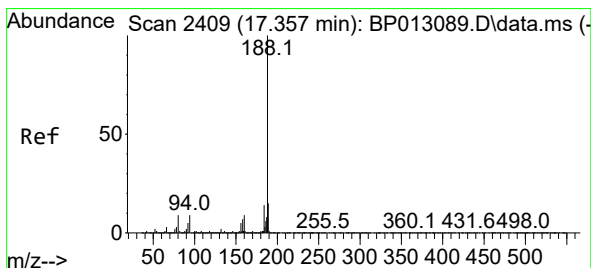
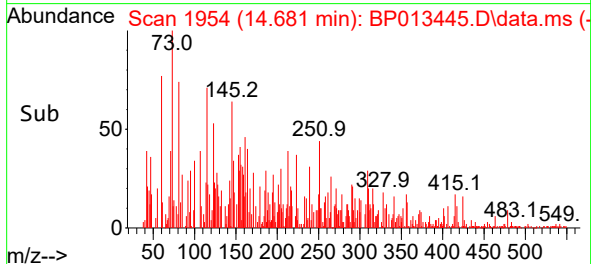
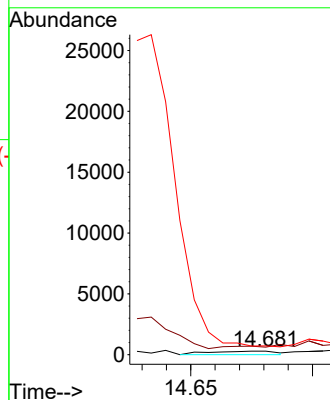
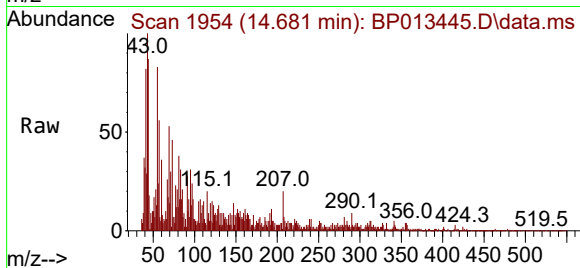




#54
2,4-Dinitrophenol
Concen: 3.629 ng
RT: 14.681 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

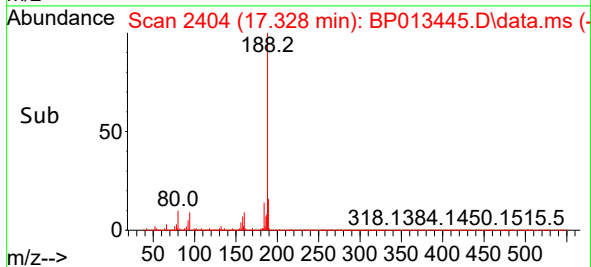
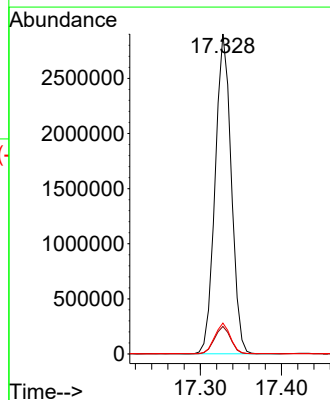
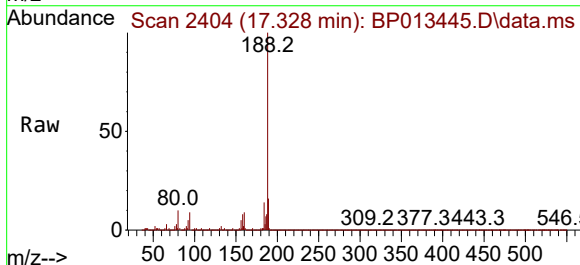
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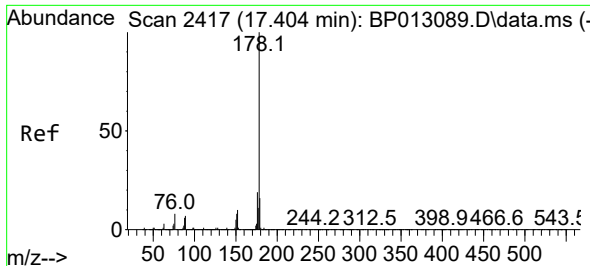
Tgt Ion:184 Resp: 562
Ion Ratio Lower Upper
184 100
63 210.9 47.6 71.4#
154 247.1 45.5 68.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.328 min Scan# 2404
Delta R.T. 0.012 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

Tgt Ion:188 Resp: 4004211
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 9.7 7.5 11.3

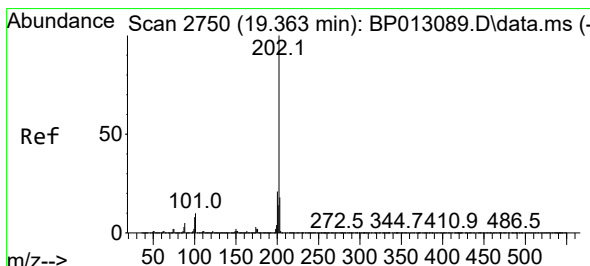
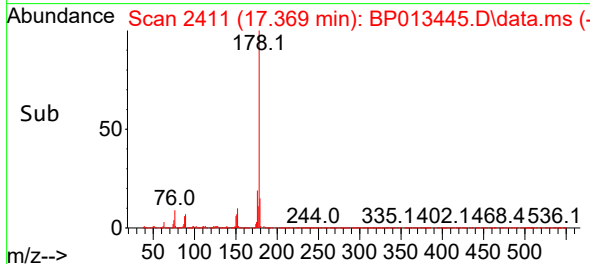
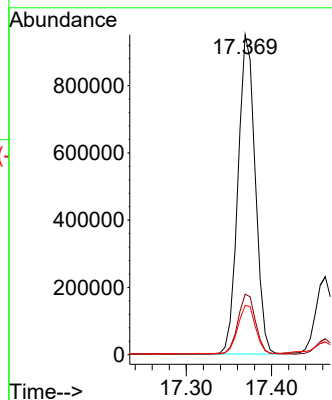
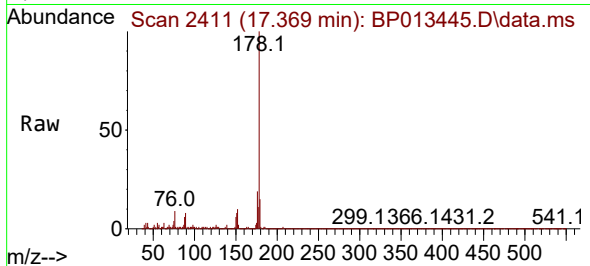




#71
Phenanthrene
Concen: 5.843 ng
RT: 17.369 min Scan# 2417
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

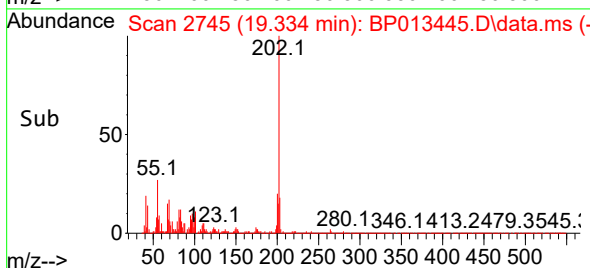
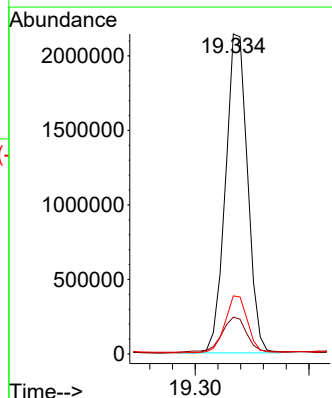
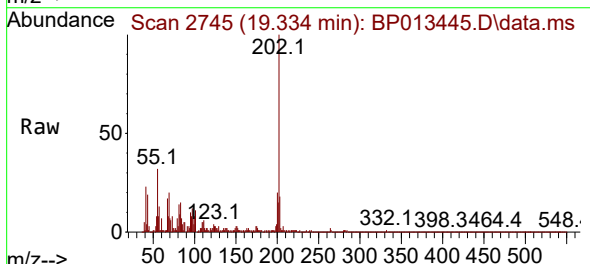
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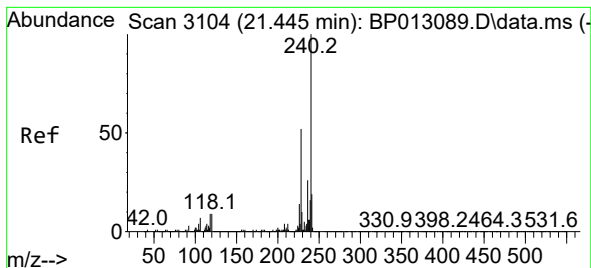
Tgt Ion:178 Resp: 1331380
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.4 12.6 18.8



#75
Fluoranthene
Concen: 11.761 ng
RT: 19.334 min Scan# 2745
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

Tgt Ion:202 Resp: 2884382
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.0
203 18.2 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.416 min Scan# 30

Delta R.T. 0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

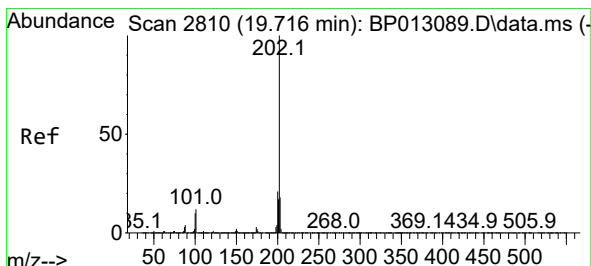
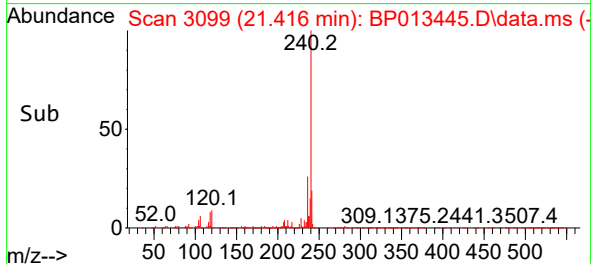
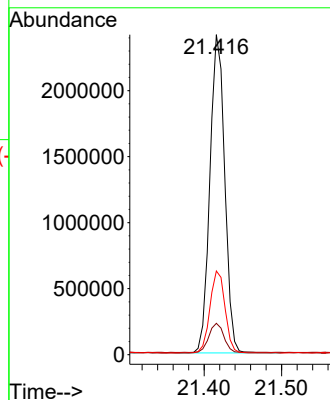
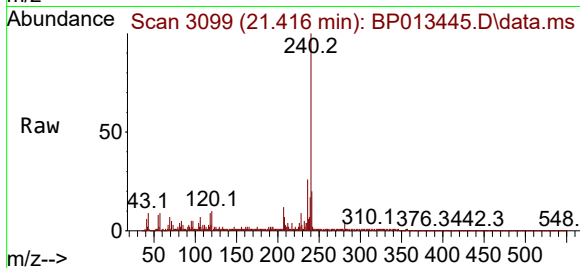
Tgt Ion:240 Resp: 3195160

Ion Ratio Lower Upper

240 100

120 9.8 7.4 11.2

236 26.2 21.0 31.4



#78

Pyrene

Concen: 10.984 ng

RT: 19.692 min Scan# 2806

Delta R.T. 0.012 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

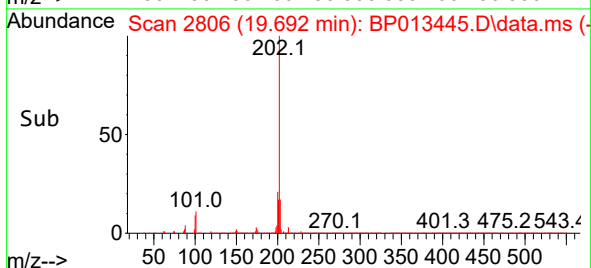
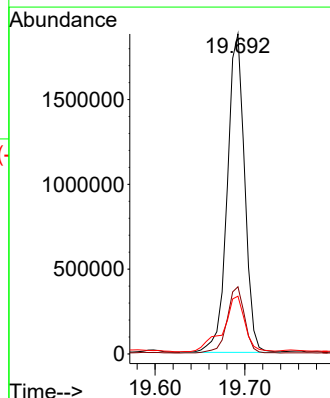
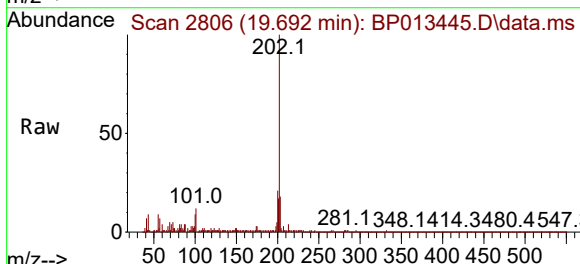
Tgt Ion:202 Resp: 2521858

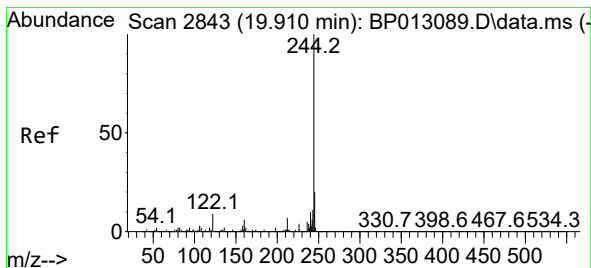
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 58.094 ng

RT: 19.881 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

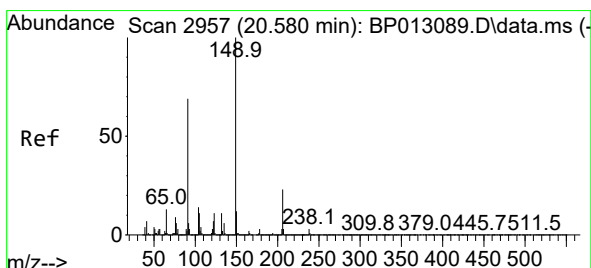
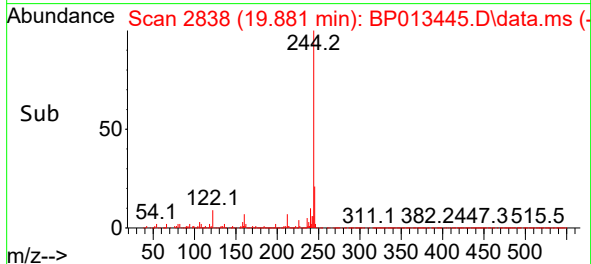
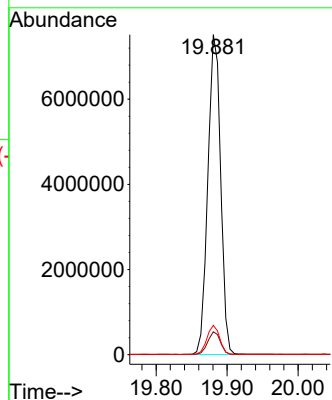
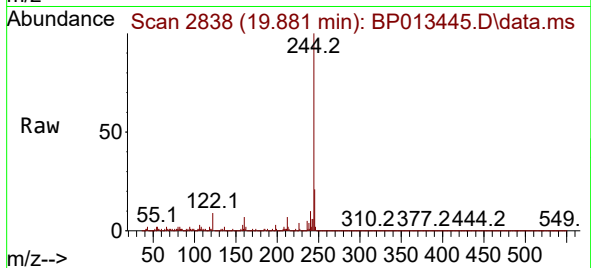
Tgt Ion:244 Resp: 9408533

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 9.2 7.2 10.8



#80

Butylbenzylphthalate

Concen: 2.289 ng

RT: 20.557 min Scan# 2953

Delta R.T. 0.012 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

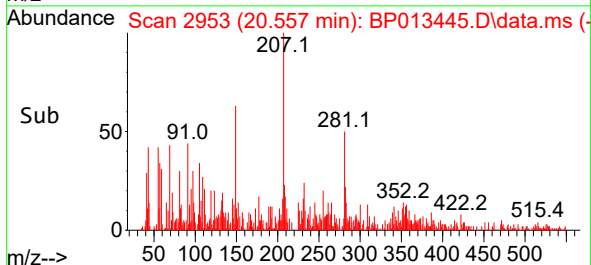
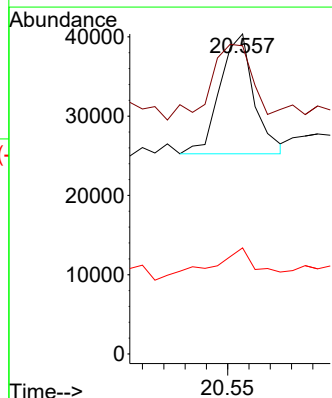
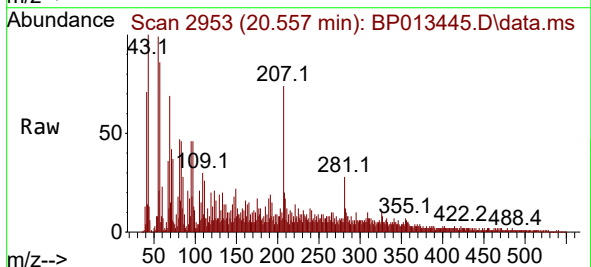
Tgt Ion:149 Resp: 16842

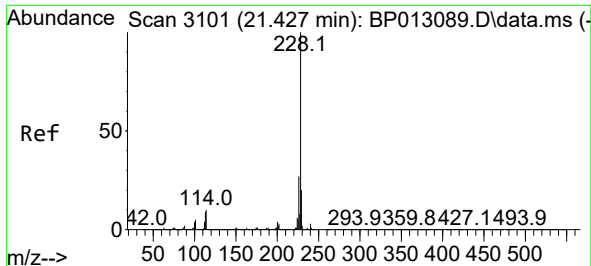
Ion Ratio Lower Upper

149 100

91 96.3 55.2 82.8#

206 33.2 18.3 27.5#

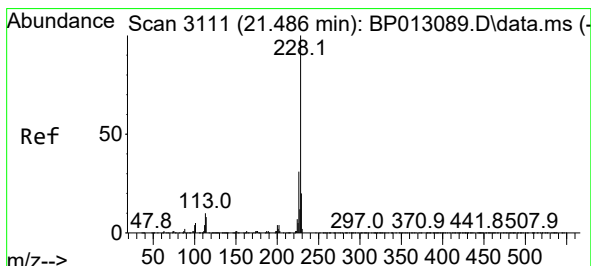
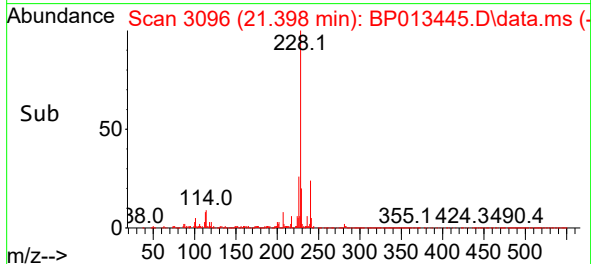
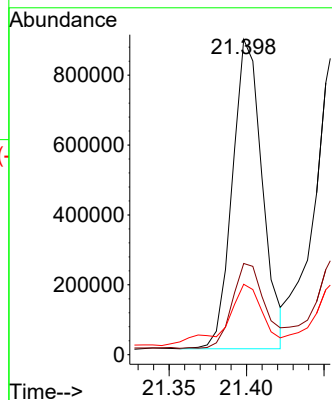
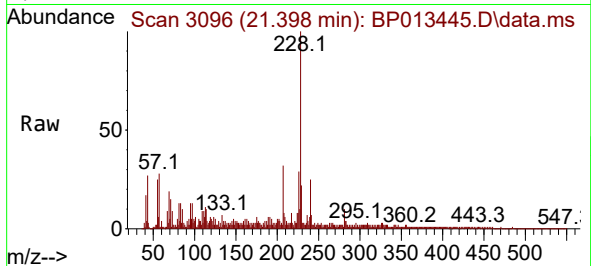




#81
Benzo(a)anthracene
Concen: 5.464 ng
RT: 21.398 min Scan# 3096
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

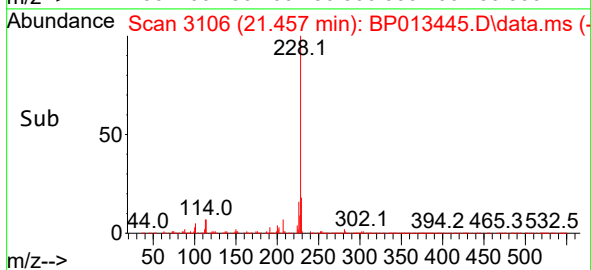
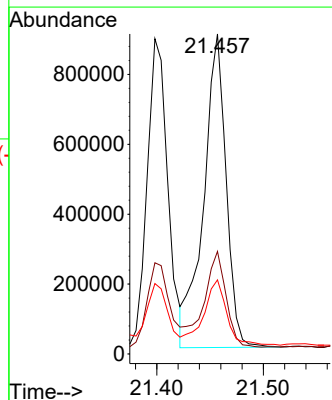
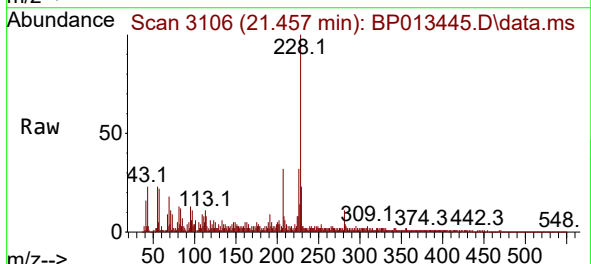
Instrument :
BNA_P
ClientSampleId :
TP-3

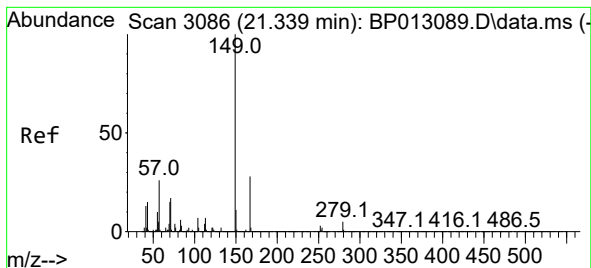
Tgt Ion:228 Resp: 1193304
Ion Ratio Lower Upper
228 100
226 28.9 22.0 33.0
229 22.3 16.2 24.4



#83
Chrysene
Concen: 6.177 ng
RT: 21.457 min Scan# 3106
Delta R.T. 0.012 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

Tgt Ion:228 Resp: 1315895
Ion Ratio Lower Upper
228 100
226 32.0 24.3 36.5
229 23.2 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.733 ng

RT: 21.310 min Scan# 3086

Delta R.T. 0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

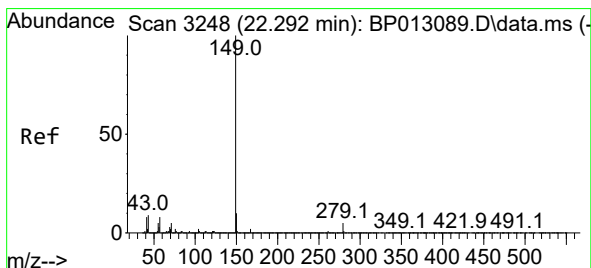
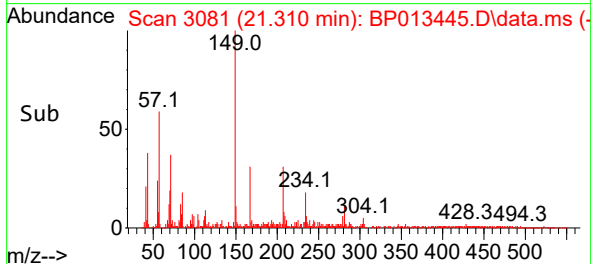
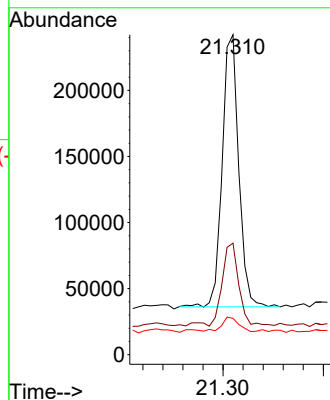
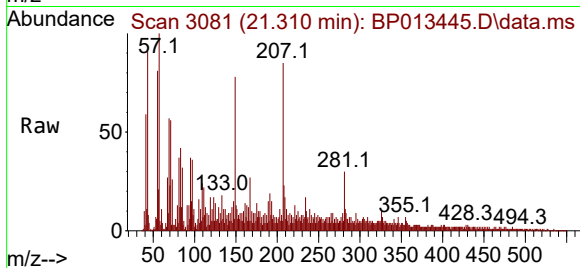
Tgt Ion:149 Resp: 234602

Ion Ratio Lower Upper

149 100

167 34.9 22.6 34.0#

279 11.3 3.8 5.6#



#85

Di-n-octyl phthalate

Concen: 2.470 ng

RT: 22.251 min Scan# 3241

Delta R.T. 0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

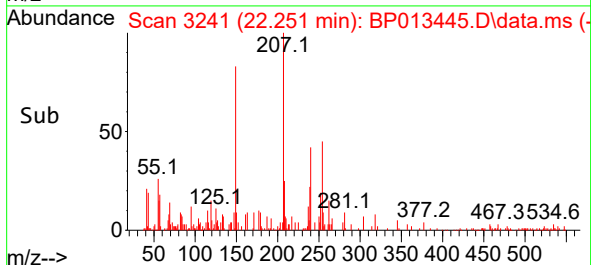
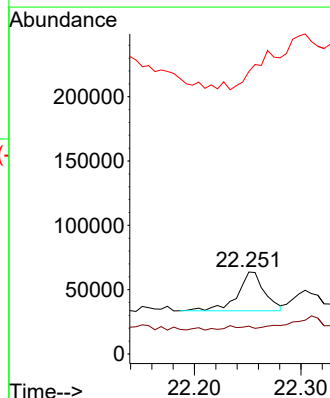
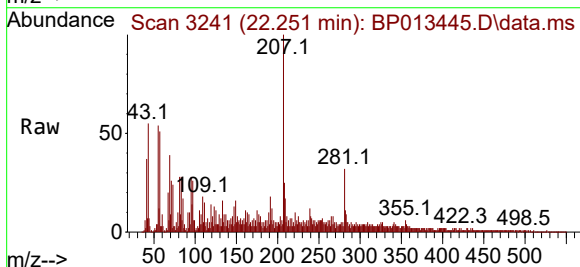
Tgt Ion:149 Resp: 53045

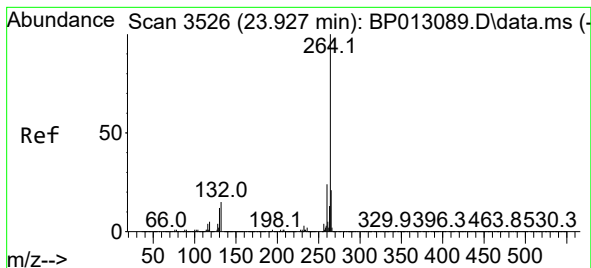
Ion Ratio Lower Upper

149 100

167 4.2 1.3 1.9#

43 0.0 7.8 11.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.886 min Scan# 3

Delta R.T. 0.018 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

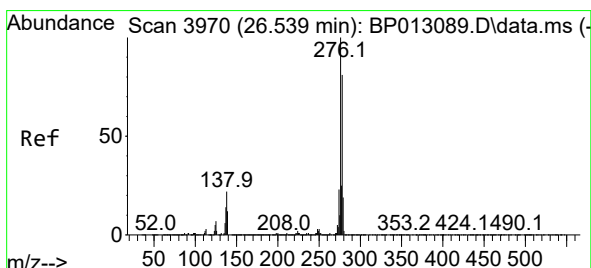
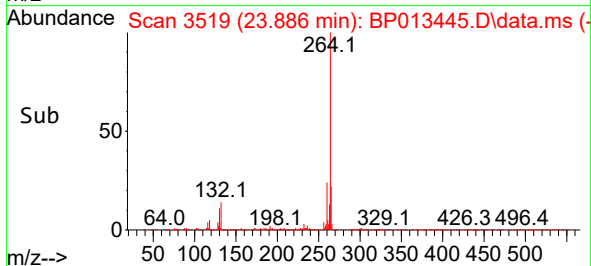
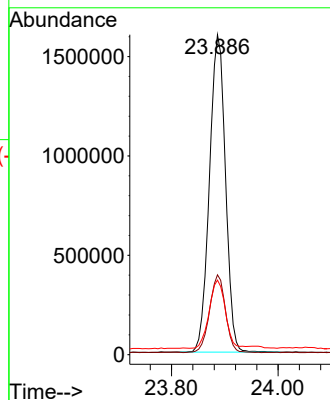
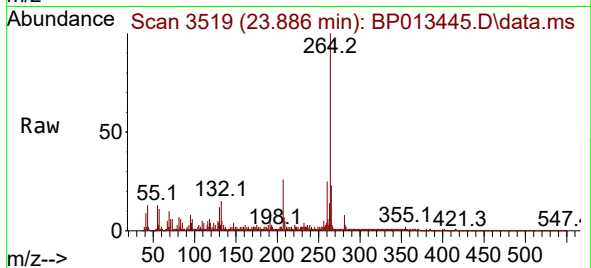
Tgt Ion:264 Resp: 3334937

Ion Ratio Lower Upper

264 100

260 25.0 19.1 28.7

265 23.3 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.595 ng

RT: 26.463 min Scan# 3957

Delta R.T. 0.018 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

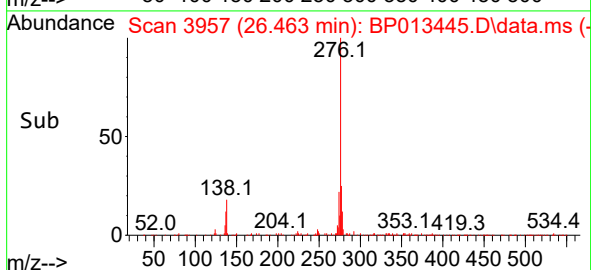
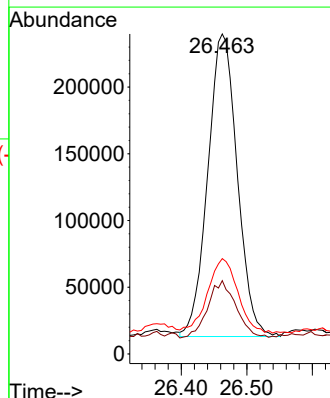
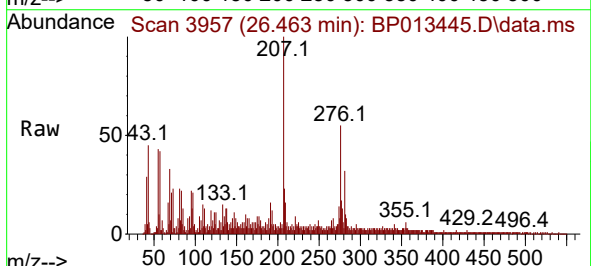
Tgt Ion:276 Resp: 707027

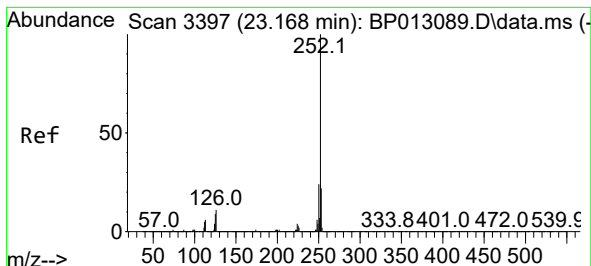
Ion Ratio Lower Upper

276 100

138 18.3 17.3 25.9

277 24.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 6.731 ng

RT: 23.133 min Scan# 3391

Delta R.T. 0.018 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

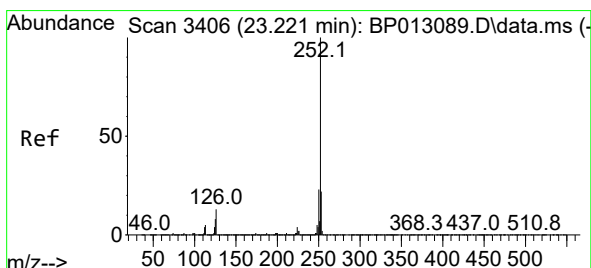
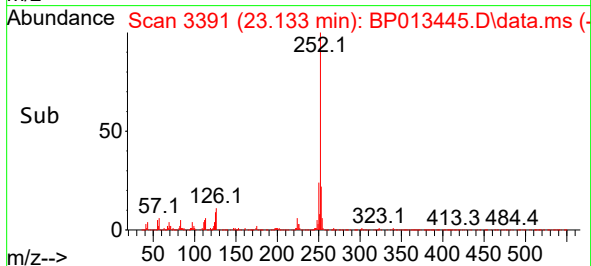
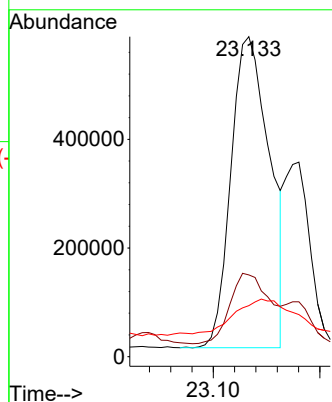
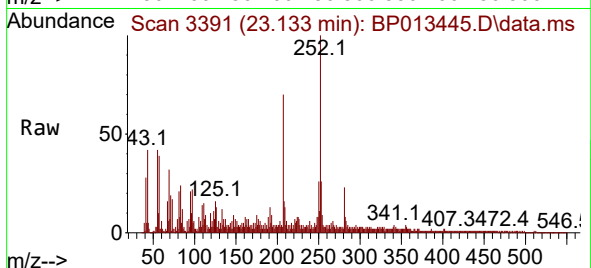
Tgt Ion:252 Resp: 1445356

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.6

125 16.0 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 6.654 ng

RT: 23.133 min Scan# 3391

Delta R.T. -0.029 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

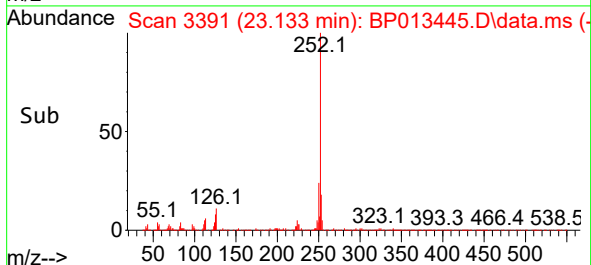
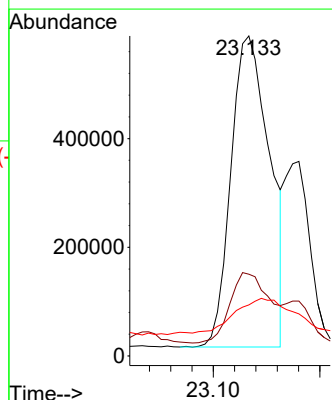
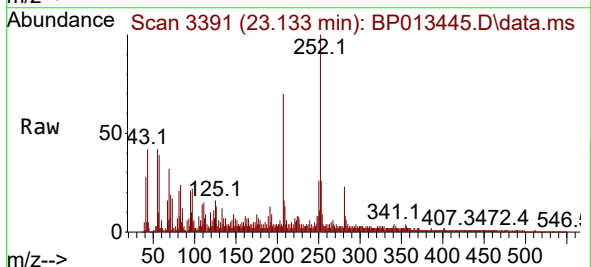
Tgt Ion:252 Resp: 1445356

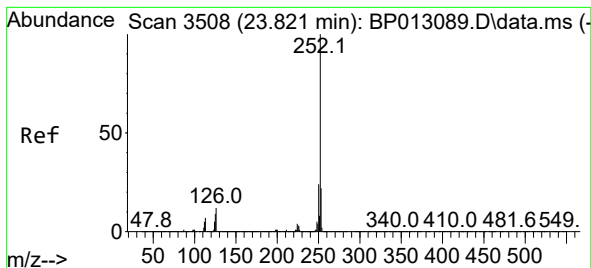
Ion Ratio Lower Upper

252 100

253 25.5 17.6 26.4

125 16.0 6.7 10.1#





#90

Benzo(a)pyrene

Concen: 5.493 ng

RT: 23.774 min Scan# 3

Delta R.T. 0.018 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

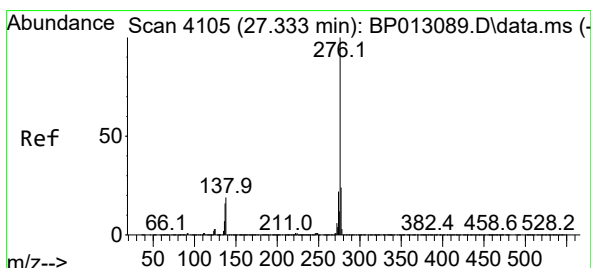
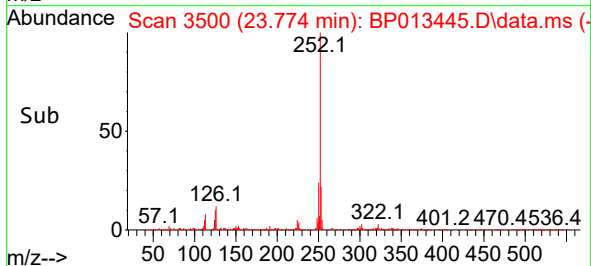
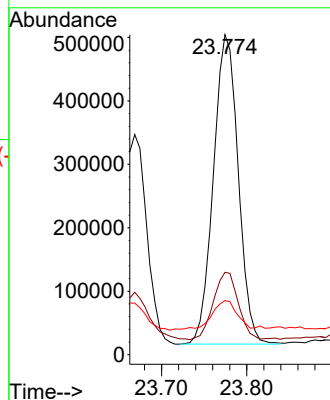
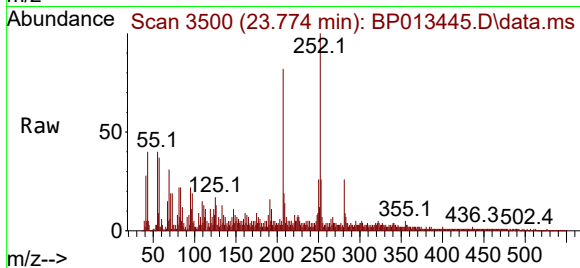
Tgt Ion:252 Resp: 989743

Ion Ratio Lower Upper

252 100

253 25.8 17.5 26.3

125 16.9 7.4 11.2#



#92

Benzo(g,h,i)perylene

Concen: 3.012 ng

RT: 27.263 min Scan# 4093

Delta R.T. 0.030 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Tgt Ion:276 Resp: 675831

Ion Ratio Lower Upper

276 100

277 30.3 18.9 28.3#

138 22.9 15.0 22.6#

