

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
 Data File : BP013575.D
 Acq On : 24 Jan 2023 17:36
 Operator : CG/JU
 Sample : 01190-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PE-1D

Quant Time: Jan 25 03:49:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 03:43:27 2023
 Response via : Initial Calibration

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

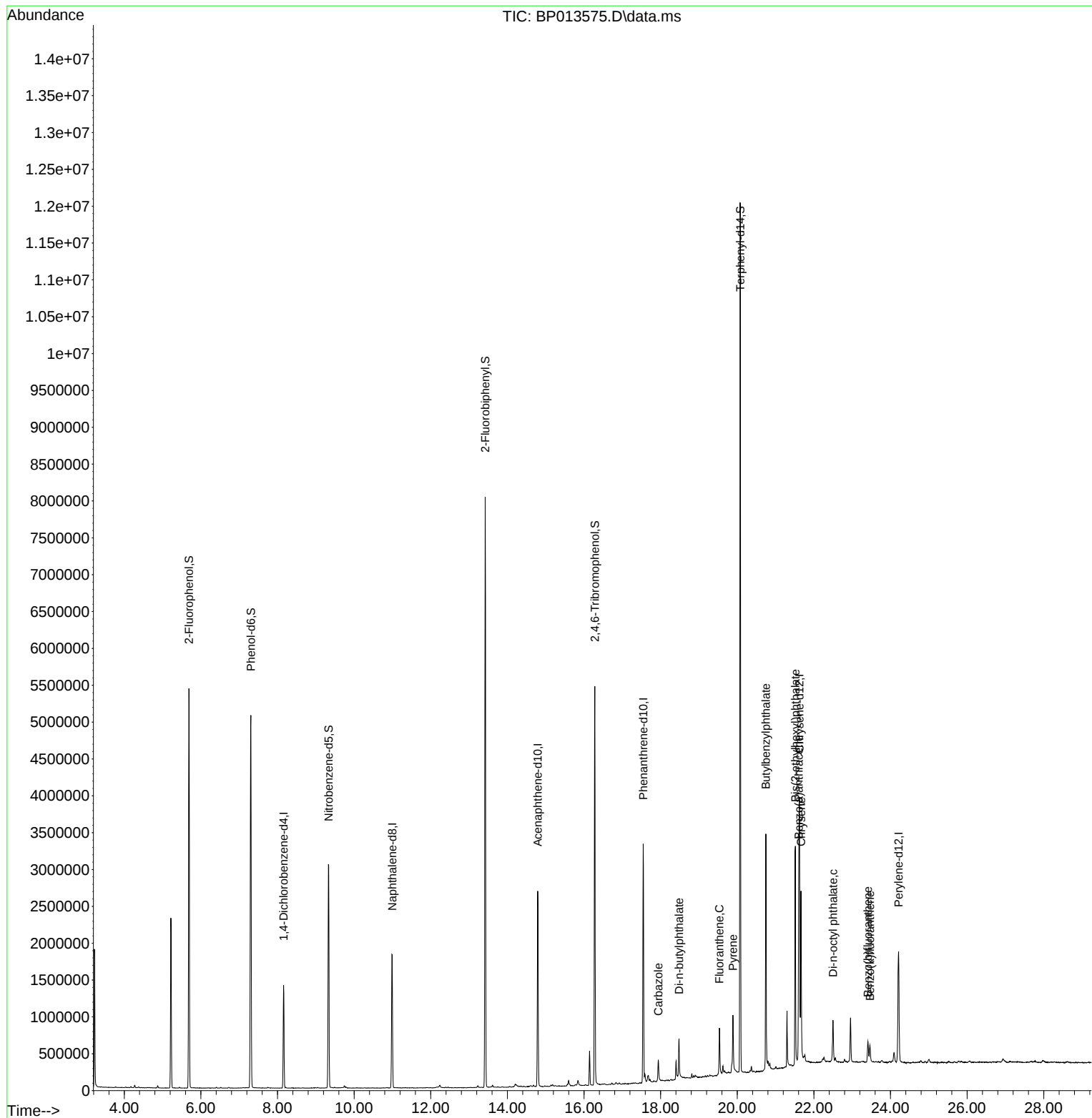
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.157	152	387834	20.000	ng	0.00
21) Naphthalene-d8	10.993	136	1550918	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	908170	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	1920208	20.000	ng	0.00
76) Chrysene-d12	21.621	240	1438705	20.000	ng	0.00
86) Perylene-d12	24.210	264	1217195	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	2416150	106.740	ng	0.00
7) Phenol-d6	7.305	99	3095090	101.595	ng	0.00
23) Nitrobenzene-d5	9.334	82	1735223	73.862	ng	0.00
42) 2,4,6-Tribromophenol	16.281	330	1025664	112.595	ng	0.00
45) 2-Fluorobiphenyl	13.422	172	4121180	62.290	ng	0.00
79) Terphenyl-d14	20.080	244	5828866	72.886	ng	0.00
Target Compounds						
						Qvalue
73) Carbazole	17.939	167	246108	2.526	ng	99
74) Di-n-butylphthalate	18.480	149	485833	4.480	ng	99
75) Fluoranthene	19.533	202	505215	4.447	ng	99
78) Pyrene	19.886	202	573105	5.210	ng	98
80) Butylbenzylphthalate	20.745	149	1071858	30.602	ng	98
81) Benzo(a)anthracene	21.604	228	1318399	13.154	ng	100
83) Chrysene	21.663	228	1456066	15.189	ng	99
84) Bis(2-ethylhexyl)phtha...	21.516	149	1235566	22.042	ng	100
85) Di-n-octyl phthalate	22.504	149	391753	4.335	ng	# 100
88) Benzo(b)fluoranthene	23.410	252	217860	2.910	ng	99
89) Benzo(k)fluoranthene	23.462	252	203739	2.668	ng	99

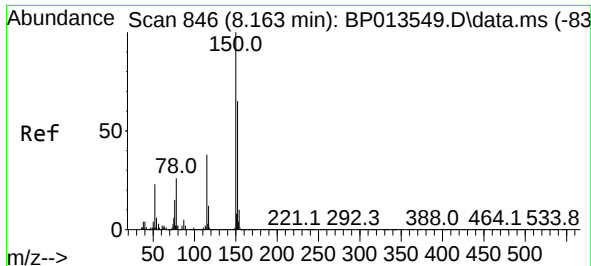
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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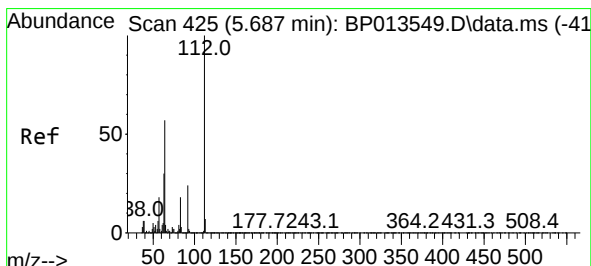
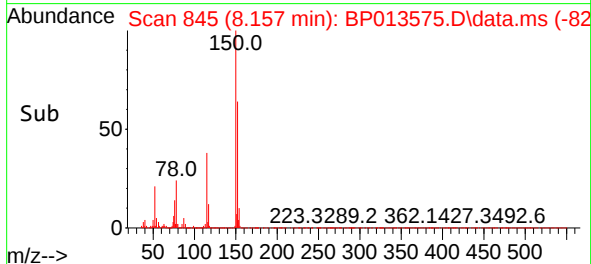
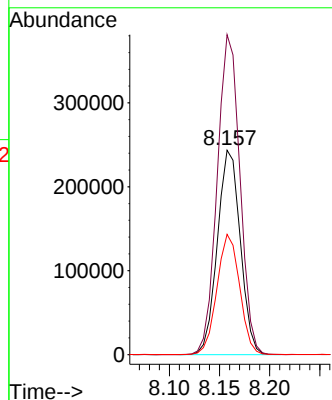
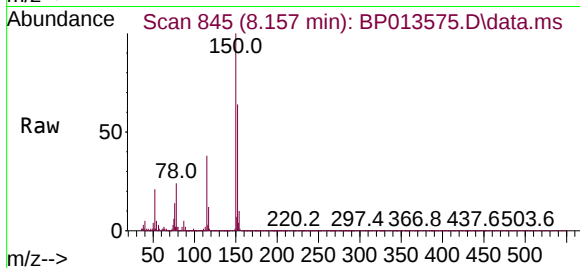




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.157 min Scan# 846
Delta R.T. -0.007 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

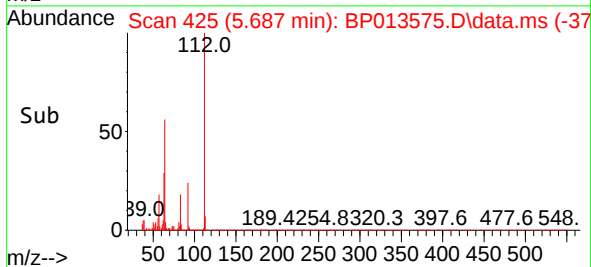
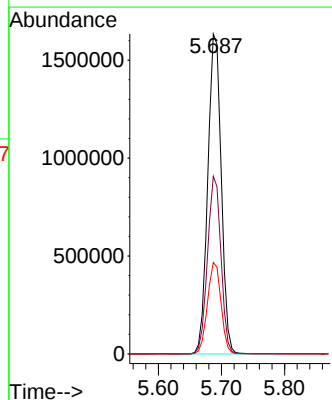
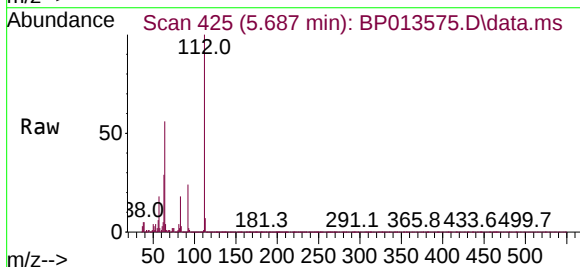
Instrument :
BNA_P
ClientSampleId :
PE-1D

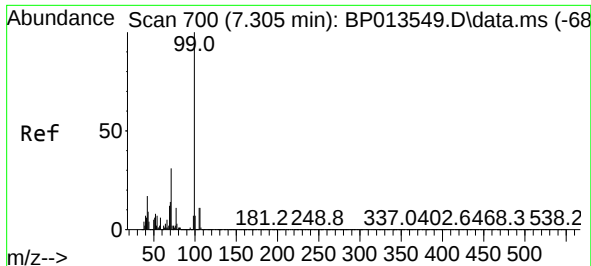
Tgt Ion:152 Resp: 387834
Ion Ratio Lower Upper
152 100
150 156.5 122.4 183.6
115 58.8 46.1 69.1



#5
2-Fluorophenol
Concen: 106.740 ng
RT: 5.687 min Scan# 425
Delta R.T. -0.000 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

Tgt Ion:112 Resp: 2416150
Ion Ratio Lower Upper
112 100
64 55.5 45.4 68.0
63 28.6 24.1 36.1



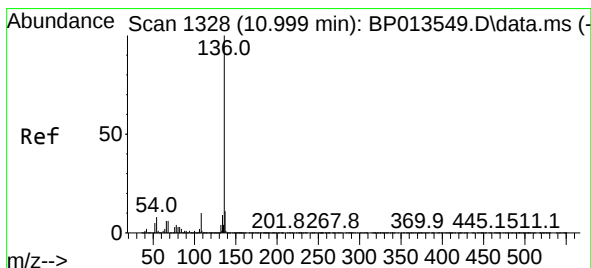
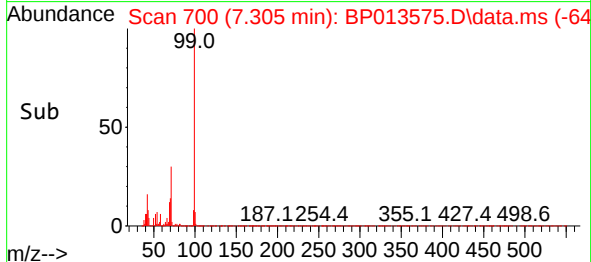
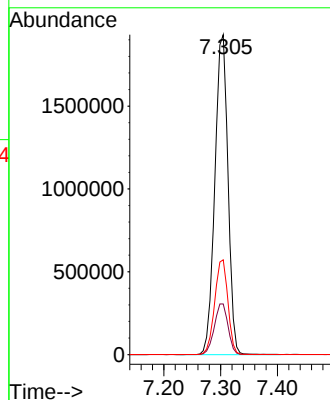
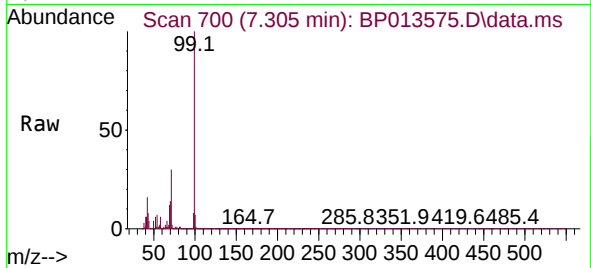


#7
Phenol-d6
Concen: 101.595 ng
RT: 7.305 min Scan# 700
Delta R.T. 0.006 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

Instrument :
BNA_P
ClientSampleId :
PE-1D

Tgt Ion: 99 Resp: 3095090

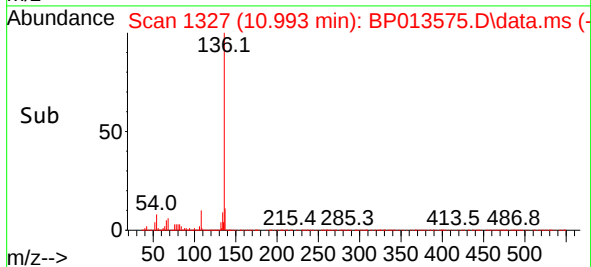
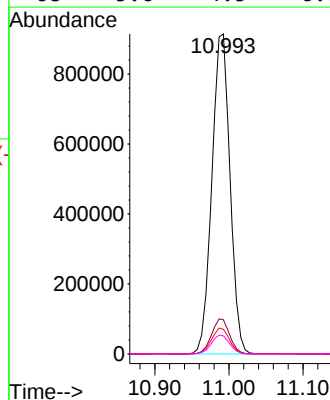
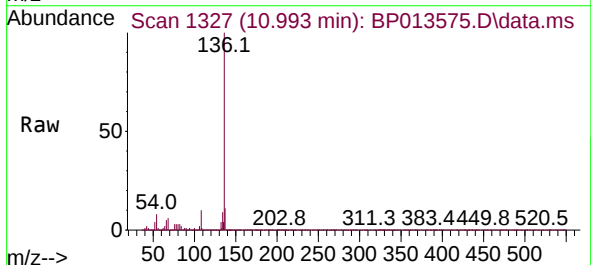
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.0	21.0
71	29.6	24.7	37.1

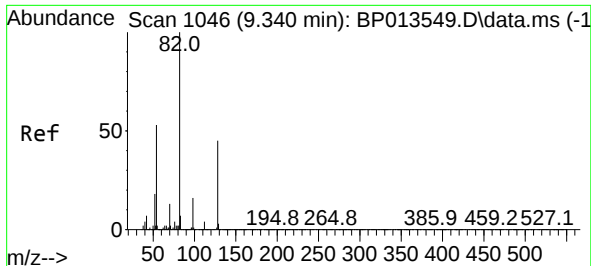


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.993 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

Tgt Ion: 136 Resp: 1550918

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	7.7	6.6	9.8
68	5.6	4.5	6.7





#23

Nitrobenzene-d5

Concen: 73.862 ng

RT: 9.334 min Scan# 1046

Delta R.T. -0.000 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

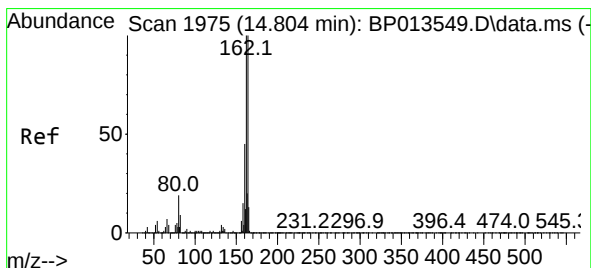
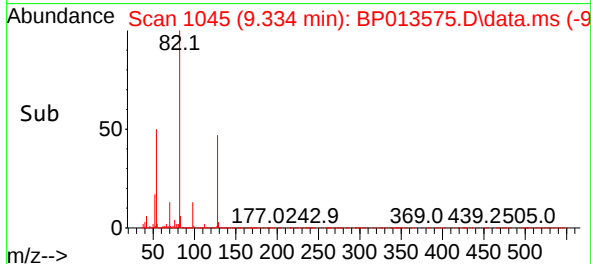
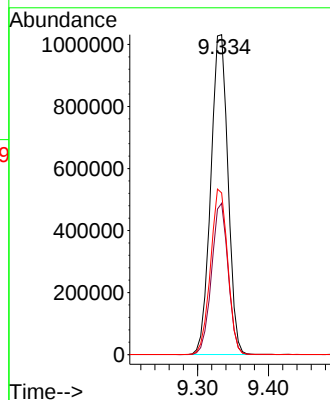
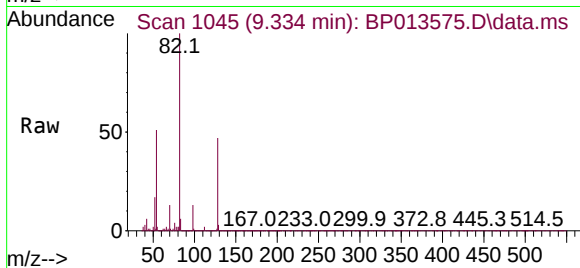
BNA_P

ClientSampleId :

PE-1D

Tgt Ion: 82 Resp: 1735223

Ion	Ratio	Lower	Upper
82	100		
128	47.3	35.8	53.6
54	50.5	42.6	64.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.792 min Scan# 1973

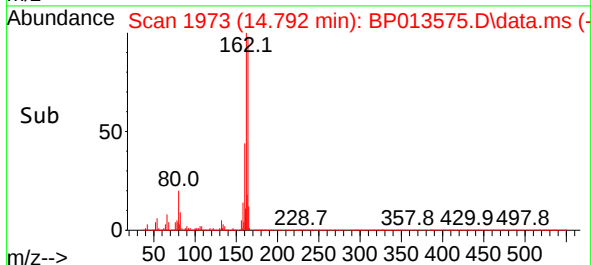
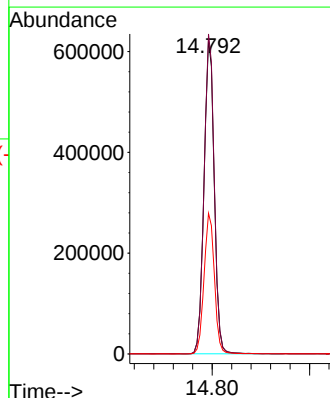
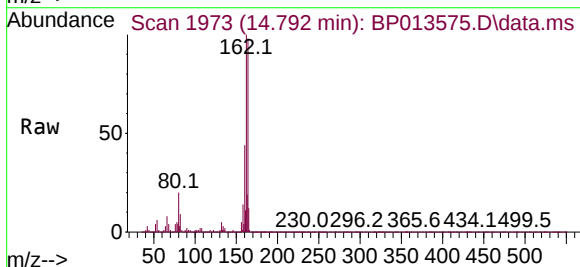
Delta R.T. -0.006 min

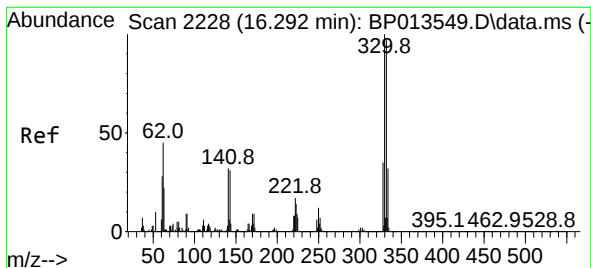
Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Tgt Ion: 164 Resp: 908170

Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.1	120.1
160	44.7	35.9	53.9





#42

2,4,6-Tribromophenol

Concen: 112.595 ng

RT: 16.281 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

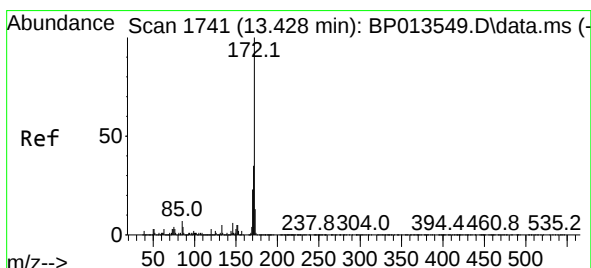
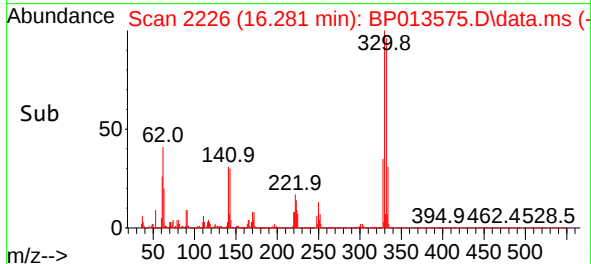
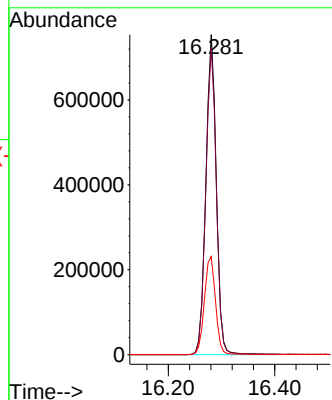
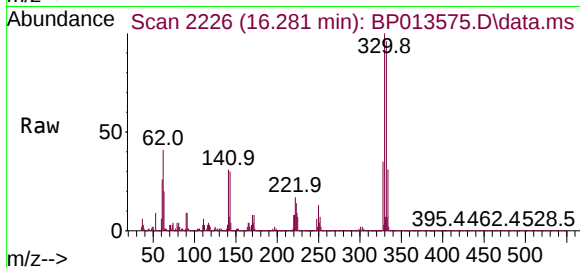
Tgt Ion:330 Resp: 1025664

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

141 32.7 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 62.290 ng

RT: 13.422 min Scan# 1740

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

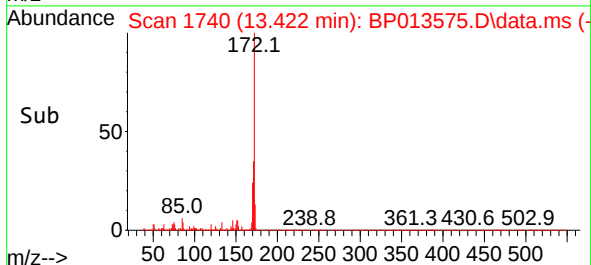
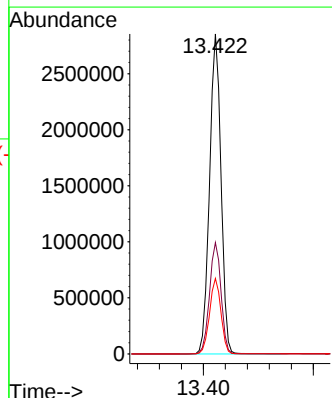
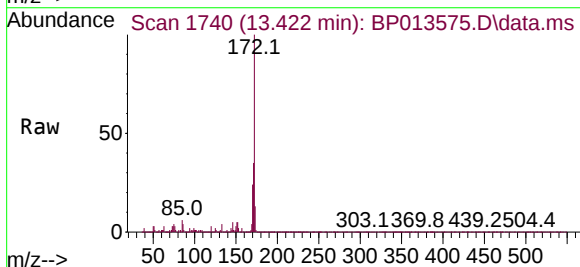
Tgt Ion:172 Resp: 4121180

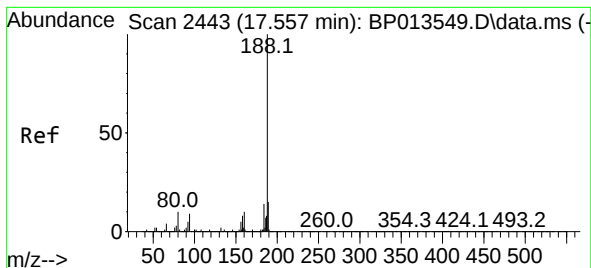
Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.8

170 23.6 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.545 min Scan# 24

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

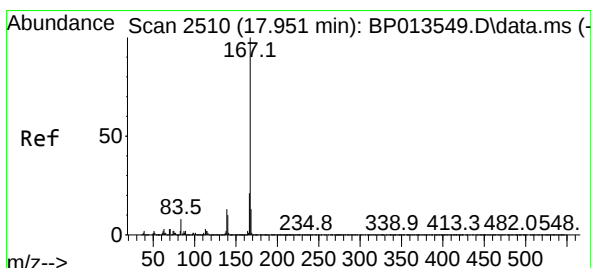
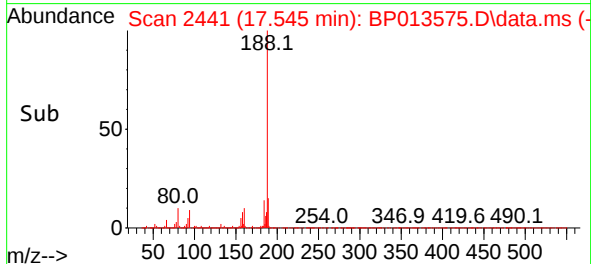
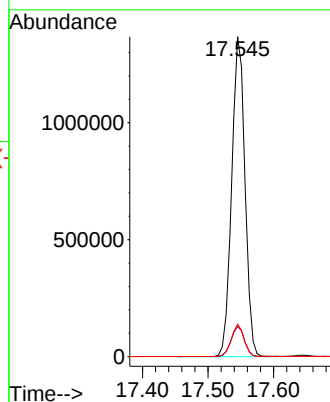
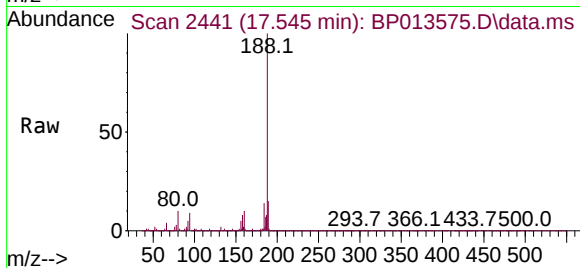
Tgt Ion:188 Resp: 1920208

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

80 10.2 8.2 12.2



#73

Carbazole

Concen: 2.526 ng

RT: 17.939 min Scan# 2508

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

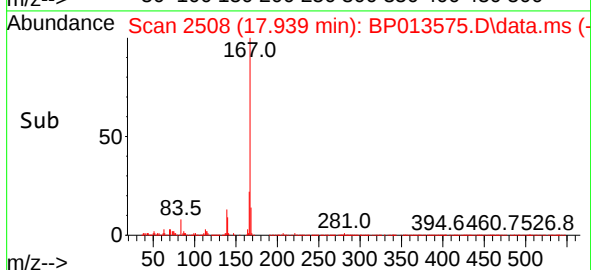
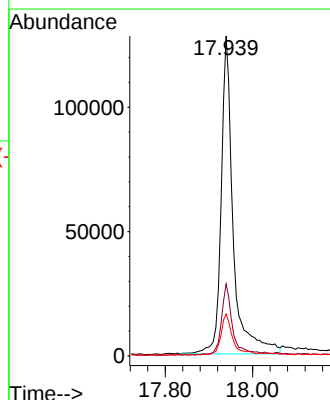
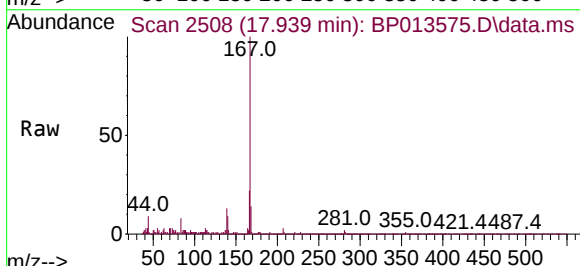
Tgt Ion:167 Resp: 246108

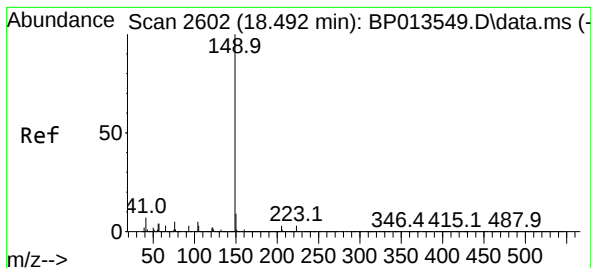
Ion Ratio Lower Upper

167 100

166 22.5 17.2 25.8

139 13.0 10.3 15.5





#74

Di-n-butylphthalate

Concen: 4.480 ng

RT: 18.480 min Scan# 2600

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

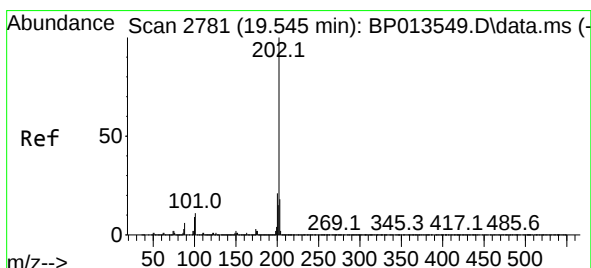
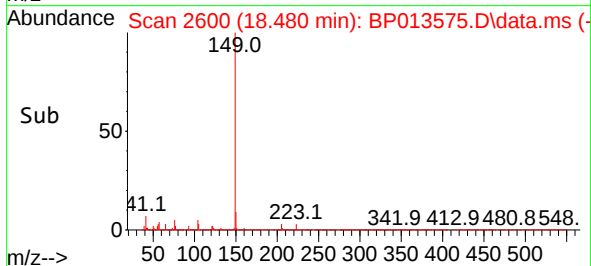
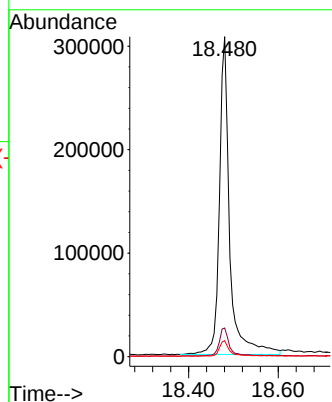
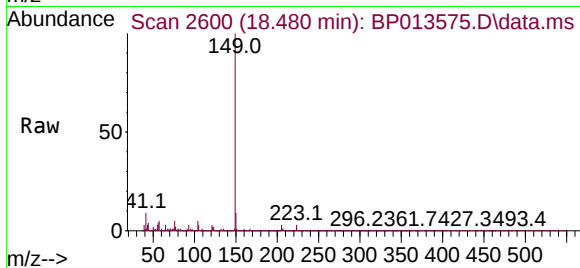
Tgt Ion:149 Resp: 485833

Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.0

104 5.0 3.9 5.9



#75

Fluoranthene

Concen: 4.447 ng

RT: 19.533 min Scan# 2779

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

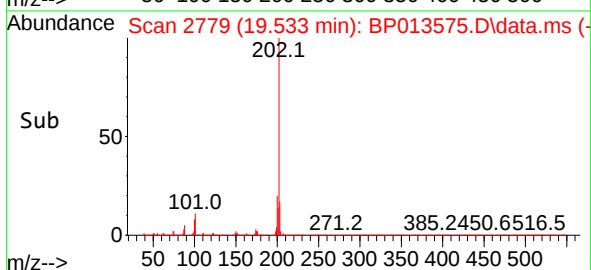
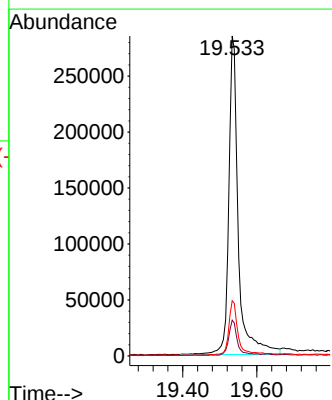
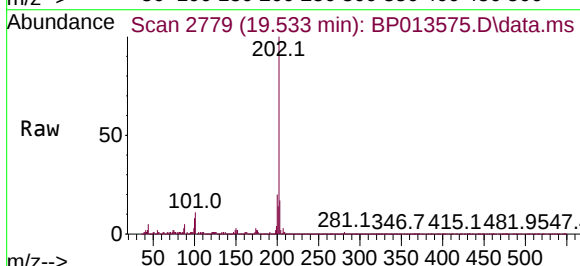
Tgt Ion:202 Resp: 505215

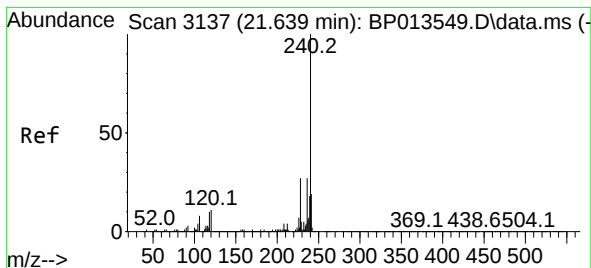
Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

203 17.3 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.621 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

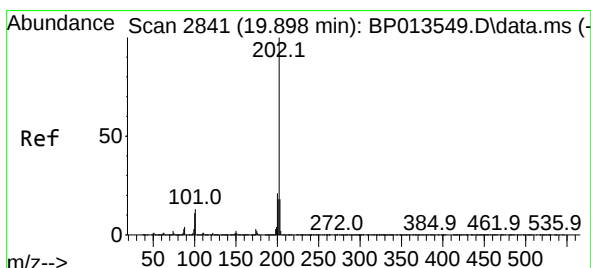
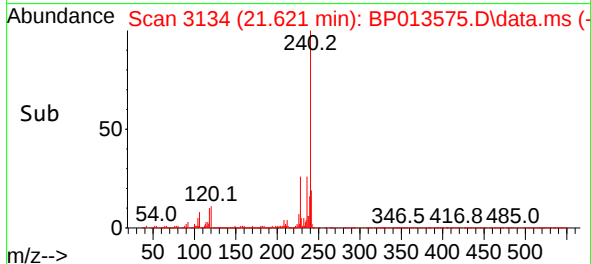
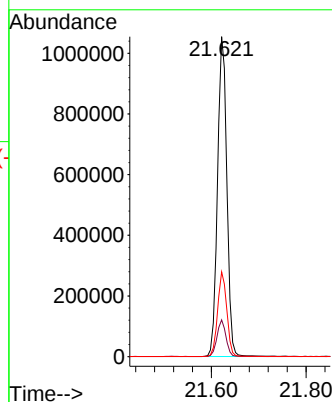
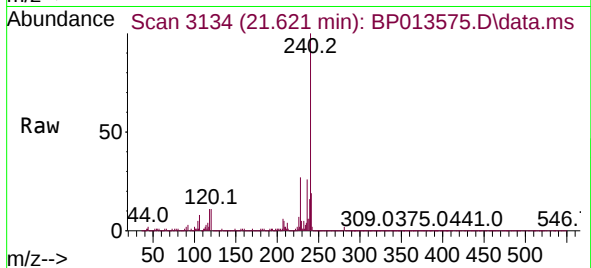
Tgt Ion:240 Resp: 1438705

Ion Ratio Lower Upper

240 100

120 11.5 8.6 13.0

236 26.5 21.3 31.9



#78

Pyrene

Concen: 5.210 ng

RT: 19.886 min Scan# 2839

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

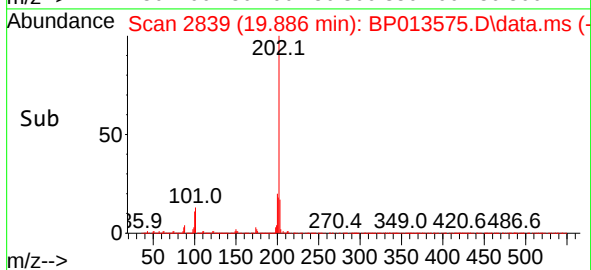
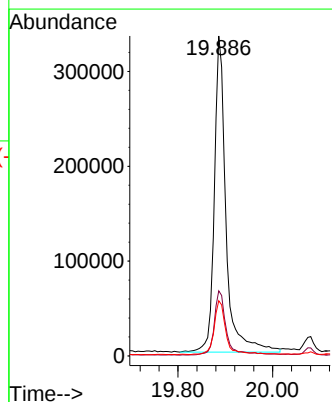
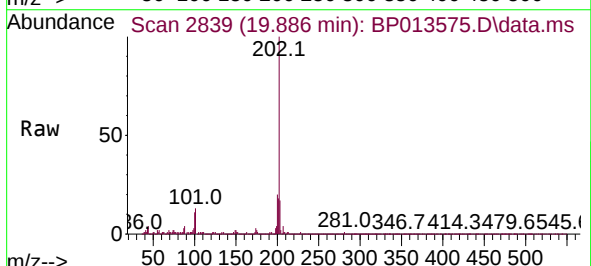
Tgt Ion:202 Resp: 573105

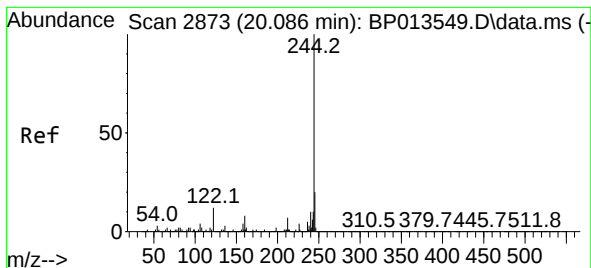
Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

203 17.2 14.2 21.2





#79

Terphenyl-d14

Concen: 72.886 ng

RT: 20.080 min Scan# 2873

Delta R.T. -0.000 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

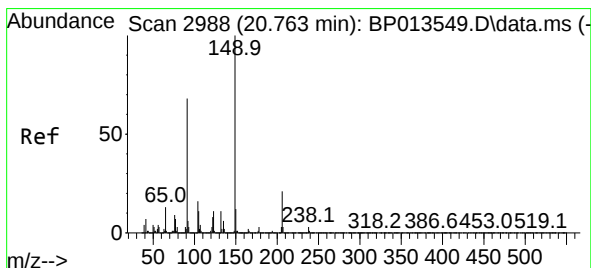
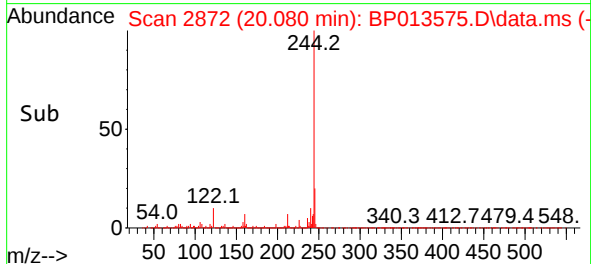
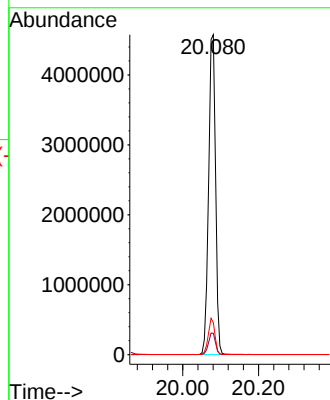
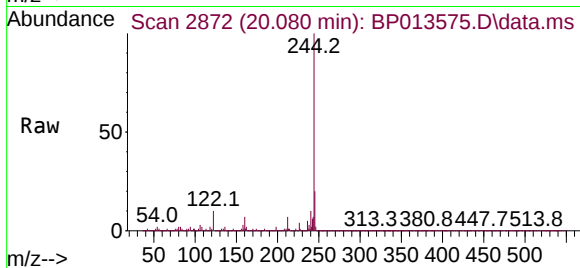
Tgt Ion:244 Resp: 5828866

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.0 9.2 13.8



#80

Butylbenzylphthalate

Concen: 30.602 ng

RT: 20.745 min Scan# 2985

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

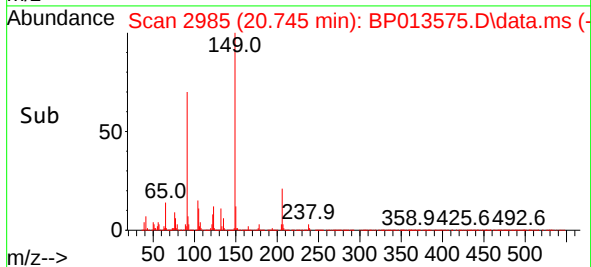
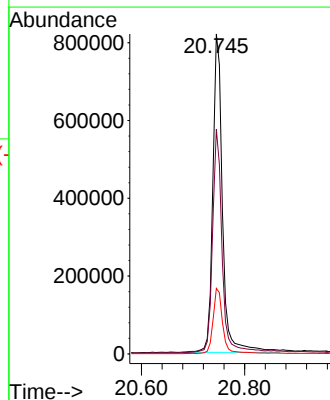
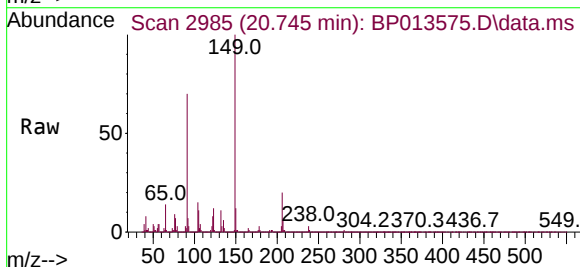
Tgt Ion:149 Resp: 1071858

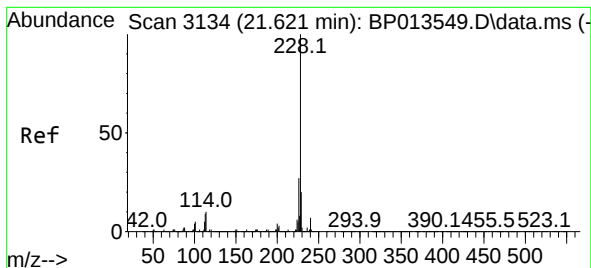
Ion Ratio Lower Upper

149 100

91 70.2 54.6 81.8

206 20.5 16.7 25.1





#81

Benzo(a)anthracene

Concen: 13.154 ng

RT: 21.604 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

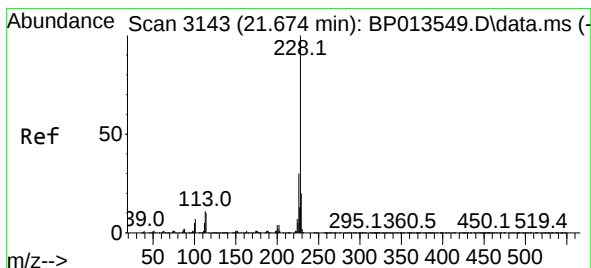
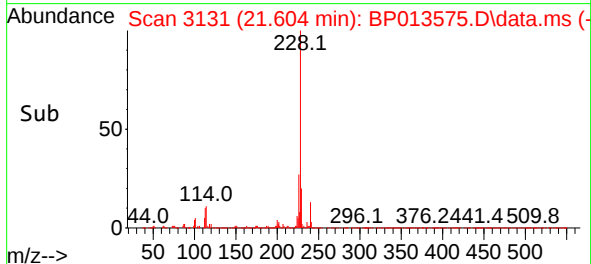
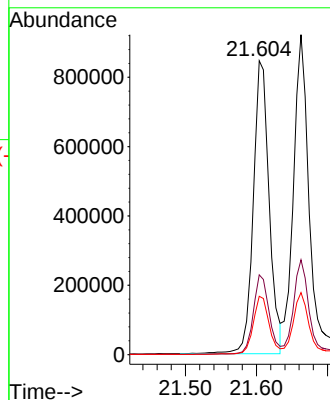
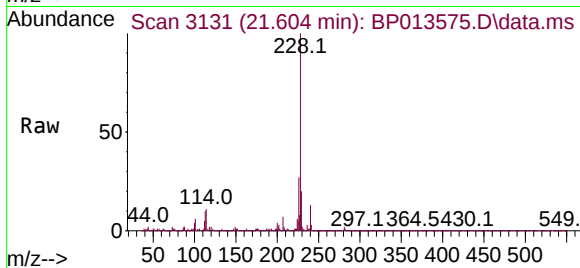
Tgt Ion:228 Resp: 1318399

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

229 19.8 15.8 23.6



#83

Chrysene

Concen: 15.189 ng

RT: 21.663 min Scan# 3141

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

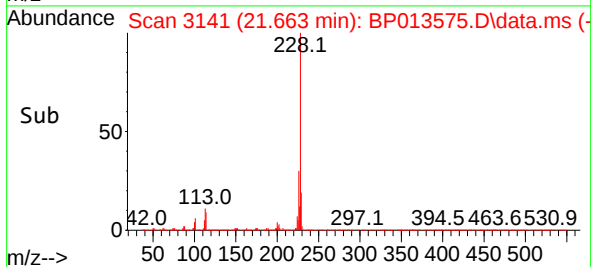
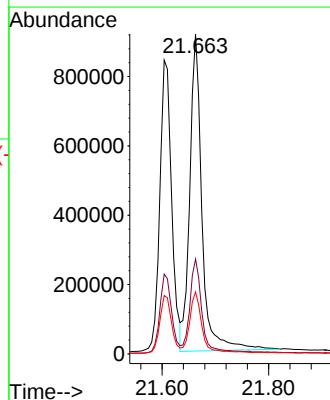
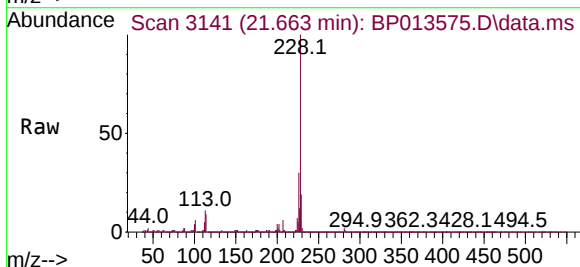
Tgt Ion:228 Resp: 1456066

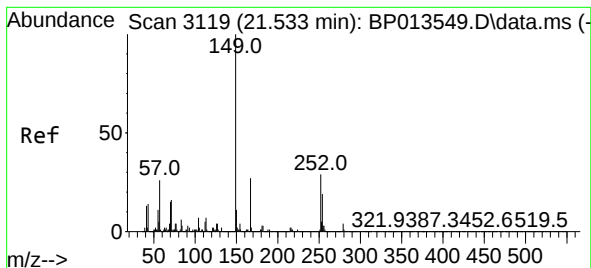
Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

229 19.4 16.2 24.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 22.042 ng

RT: 21.516 min Scan# 3116

Delta R.T. -0.000 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

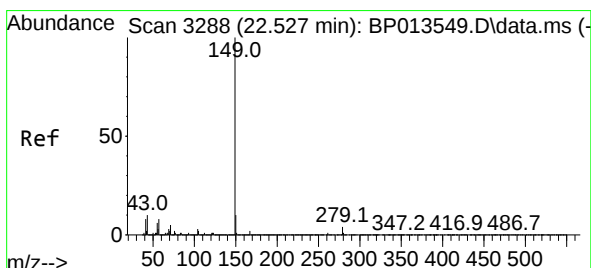
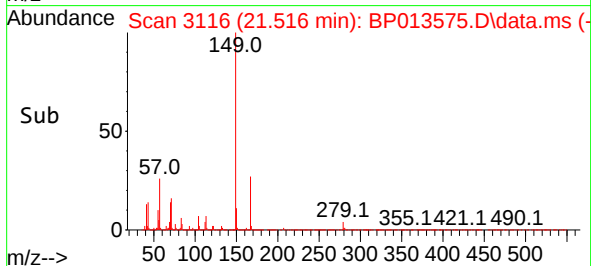
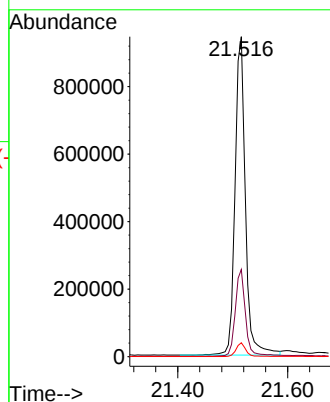
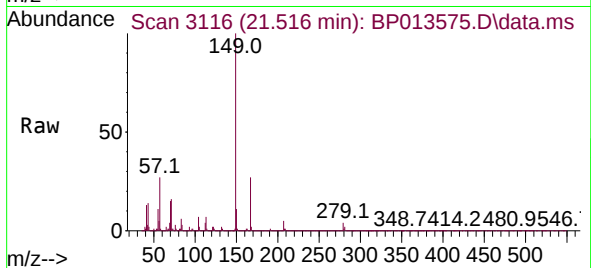
Tgt Ion:149 Resp: 1235566

Ion Ratio Lower Upper

149 100

167 27.2 22.0 33.0

279 4.3 3.5 5.3



#85

Di-n-octyl phthalate

Concen: 4.335 ng

RT: 22.504 min Scan# 3284

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

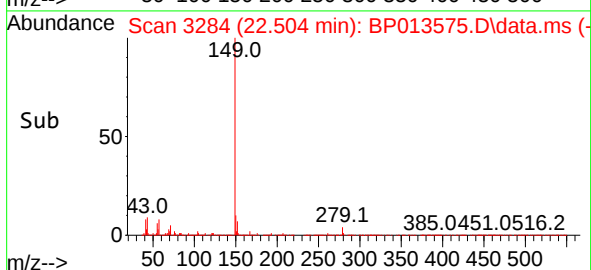
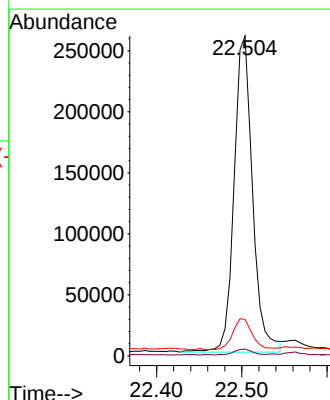
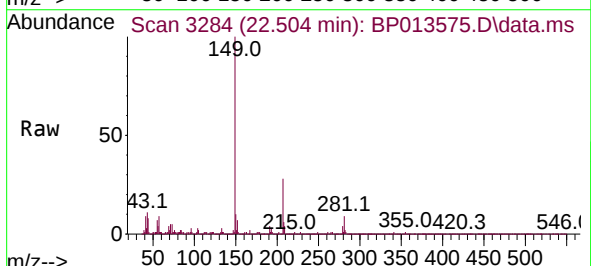
Tgt Ion:149 Resp: 391753

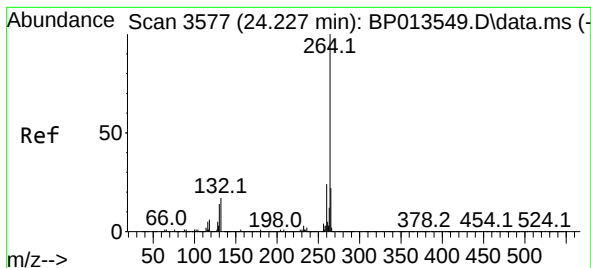
Ion Ratio Lower Upper

149 100

167 2.0 1.2 1.8#

43 10.2 8.2 12.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.210 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

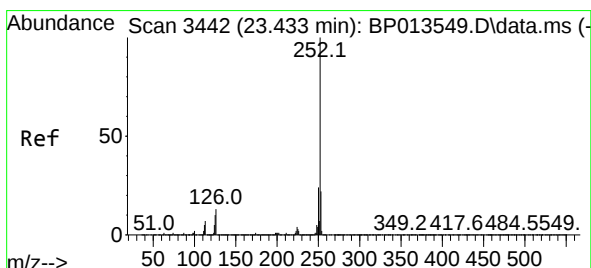
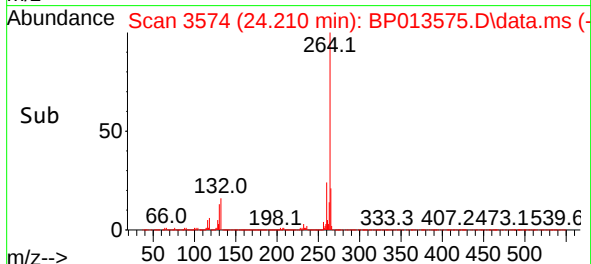
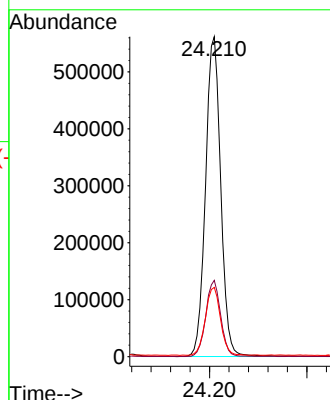
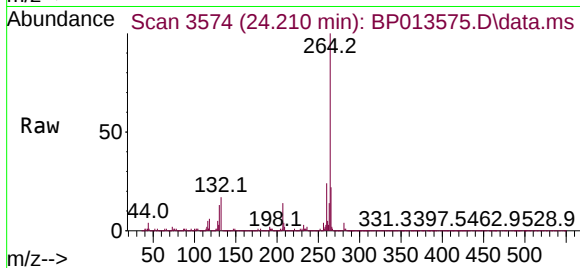
Tgt Ion:264 Resp: 1217195

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 21.6 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 2.910 ng

RT: 23.410 min Scan# 3438

Delta R.T. -0.012 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

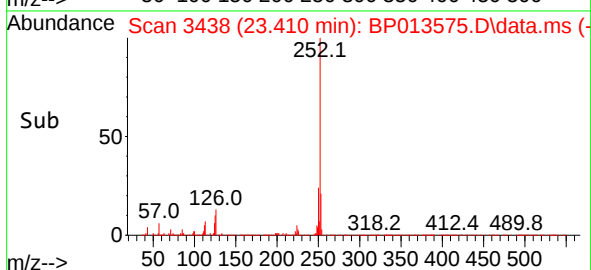
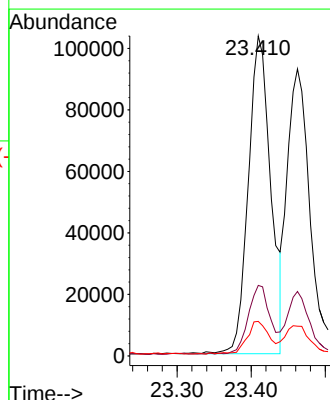
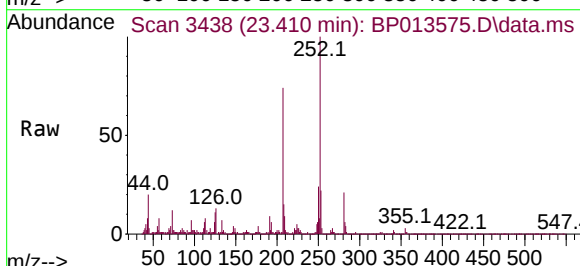
Tgt Ion:252 Resp: 217860

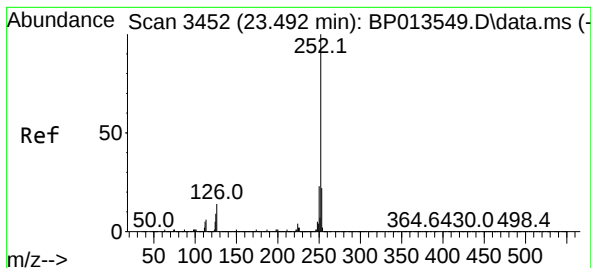
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 2.668 ng

RT: 23.462 min Scan# 34

Delta R.T. -0.012 min

Lab File: BP013575.D

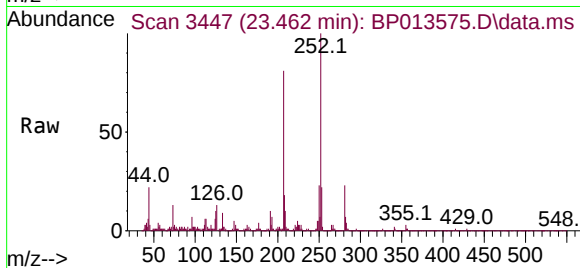
Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D



Tgt Ion:252 Resp: 203739

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 10.3 7.5 11.3

