

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

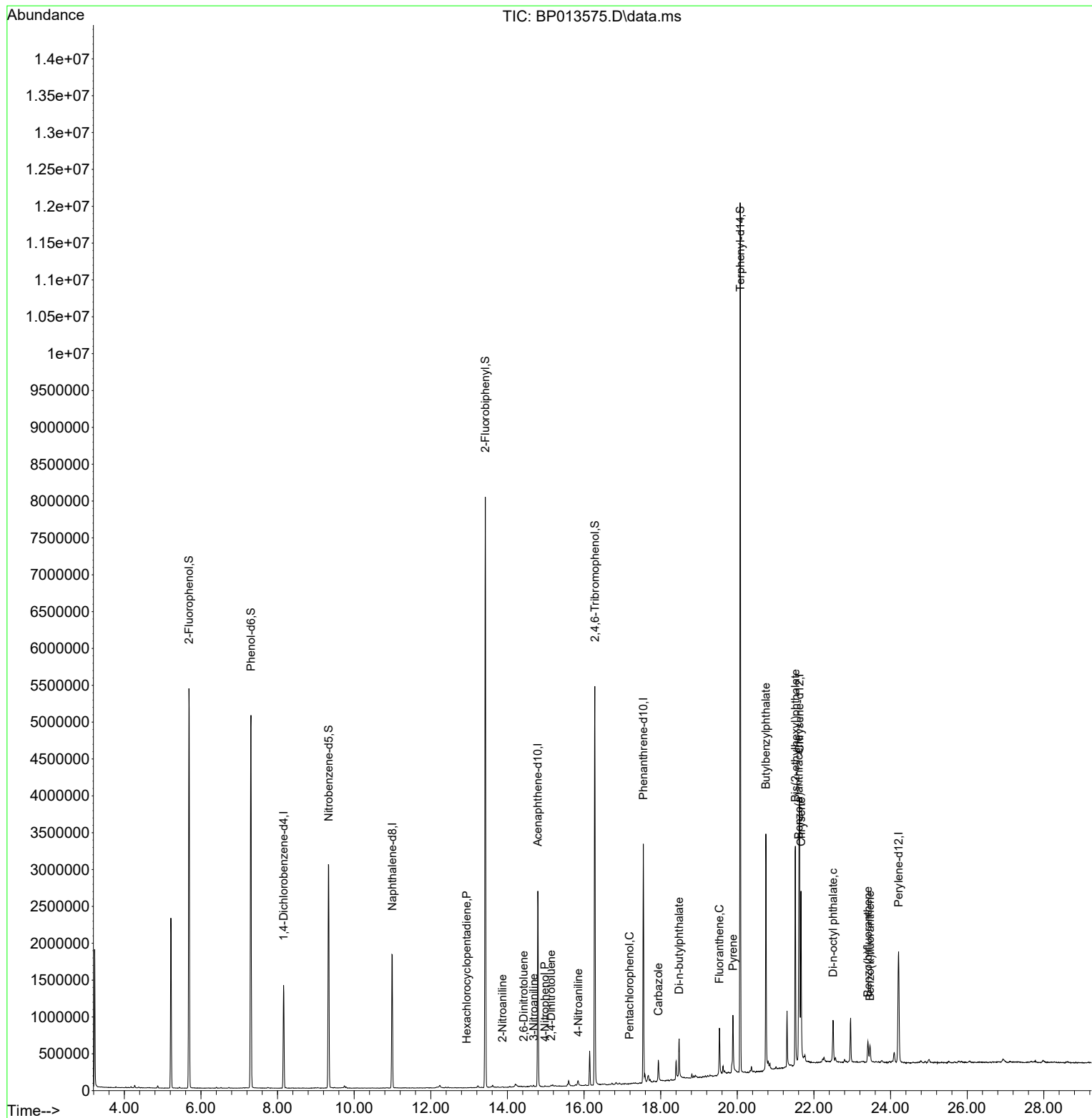
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.157	152	387834	20.000	ng	0.00
21) Naphthalene-d8	10.993	136	1550918	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	908170	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	1920208	20.000	ng	0.00
76) Chrysene-d12	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
41) Hexachlorocyclopentadiene	12.934	237	34	3.905	ng	83
48) 2-Nitroaniline	13.869	65	2833	6.398	ng	# 67
51) 2,6-Dinitrotoluene	14.422	165	226	5.179	ng	98
53) 3-Nitroaniline	14.687	138	3024	5.586	ng	# 87
54) 2,4-Dinitrophenol	14.892	184	43	Below Cal		# 1
56) 4-Nitrophenol	14.981	139	1388	5.305	ng	# 45
57) 2,4-Dinitrotoluene	15.139	165	6043	5.538	ng	# 82
62) 4-Nitroaniline	15.845	138	13852	4.550	ng	# 73
70) Pentachlorophenol	17.186	266	741	5.374	ng	# 66
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

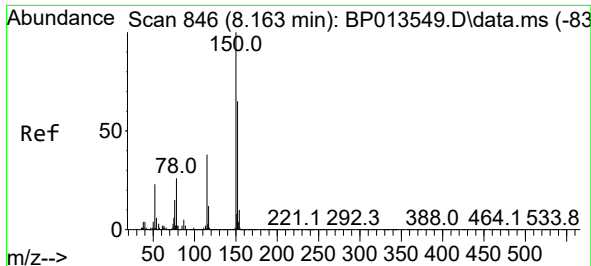
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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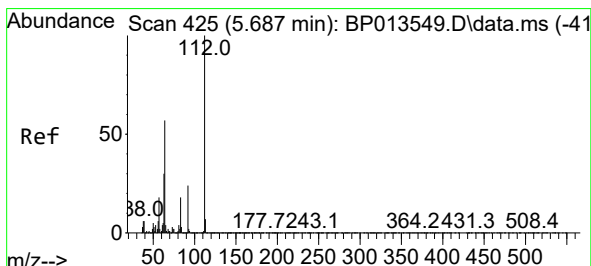
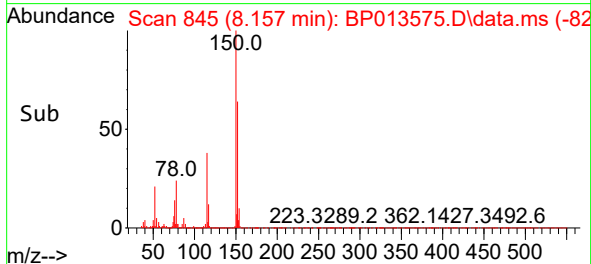
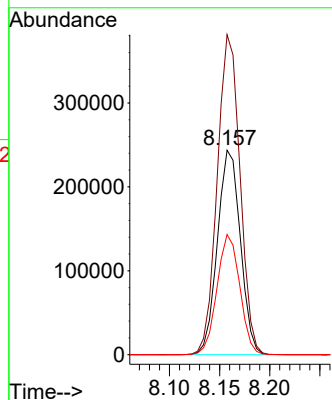
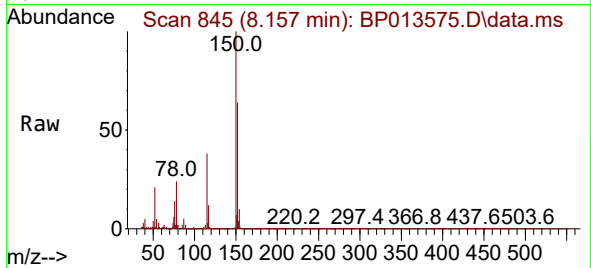




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.157 min Scan# 846
Delta R.T. -0.007 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

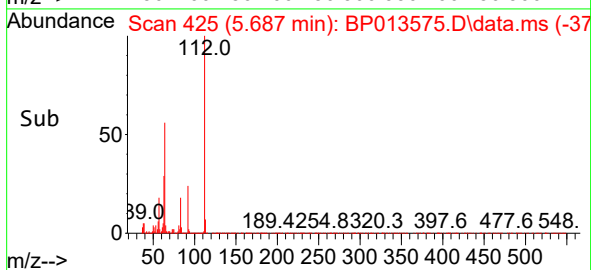
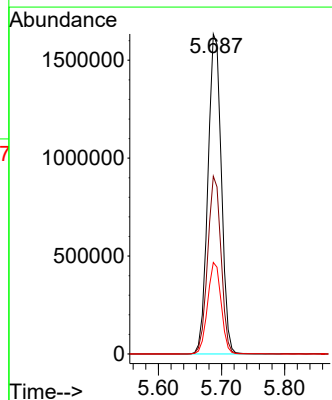
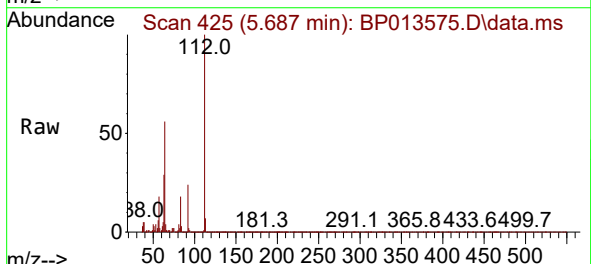
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BNA_P
ClientSampleId :
PE-1D

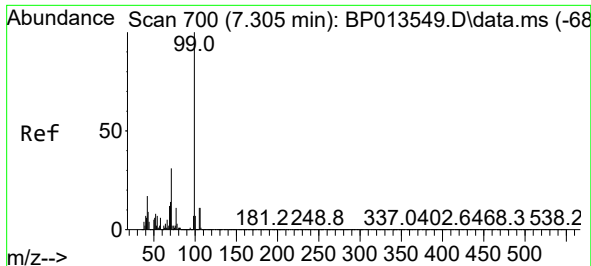
Tgt Ion:152 Resp: 387834
Ion Ratio Lower Upper
152 100
150 156.5 122.4 183.6
115 58.8 46.1 69.1



#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

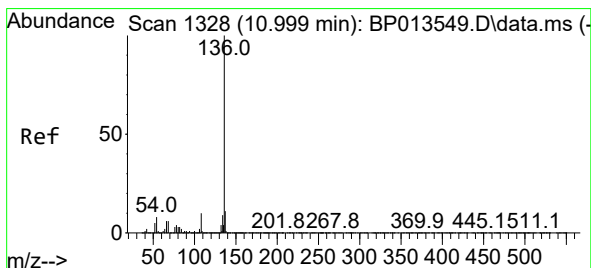
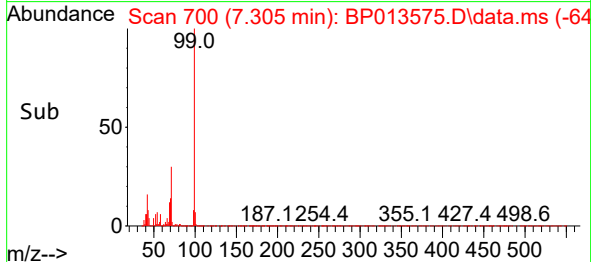
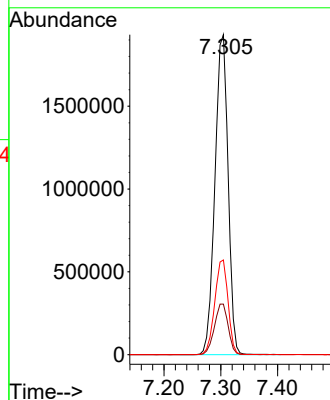
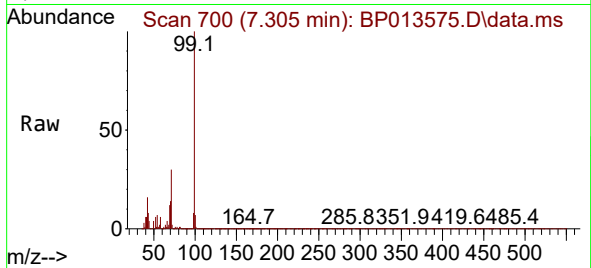




#7
Phenol-d6
Concen: 101.595 ng
RT: 7.305 min Scan# 700
Delta R.T. 0.006 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

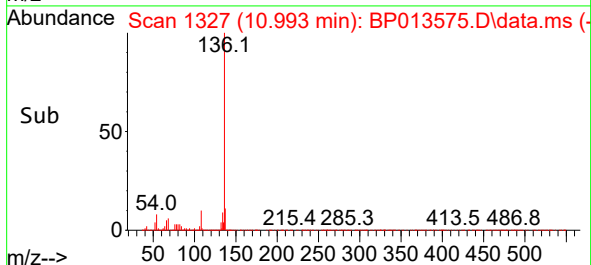
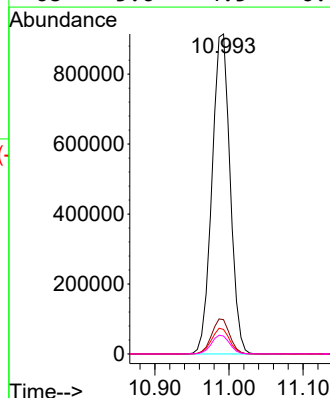
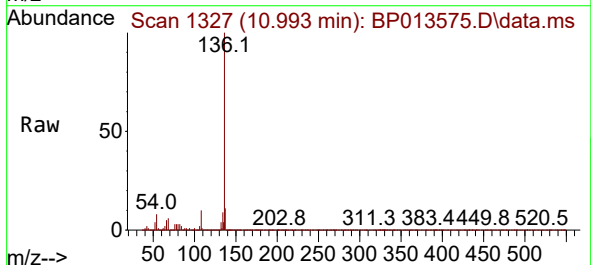
Instrument :
BNA_P
ClientSampleId :
PE-1D

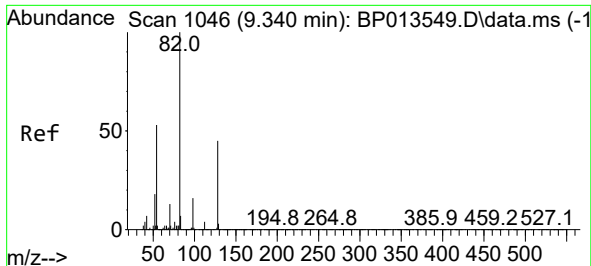
Tgt Ion: 99 Resp: 3095090
Ion Ratio Lower Upper
99 100
42 15.8 14.0 21.0
71 29.6 24.7 37.1



#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

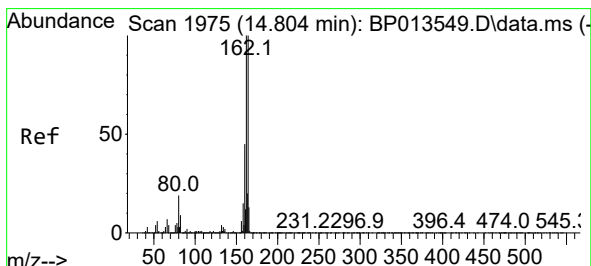
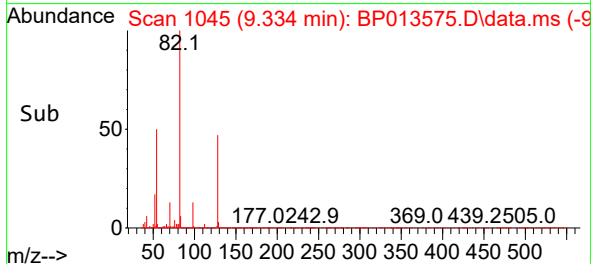
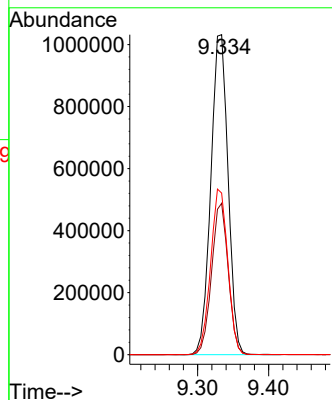
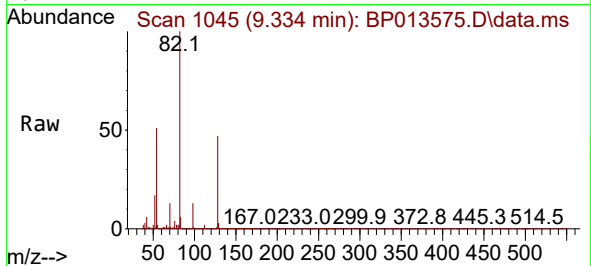




#23
Nitrobenzene-d5
Concen: 73.862 ng
RT: 9.334 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

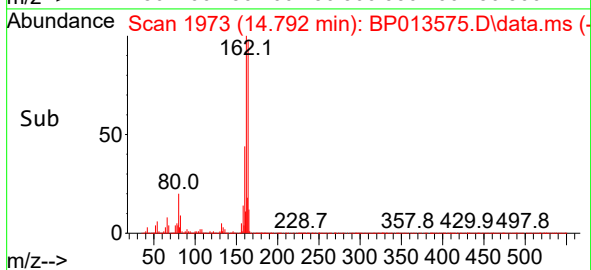
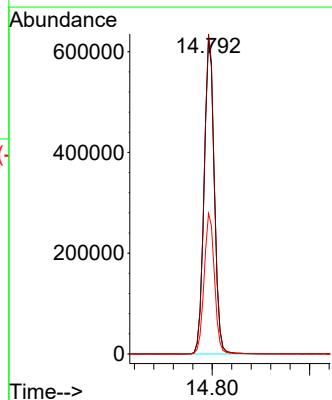
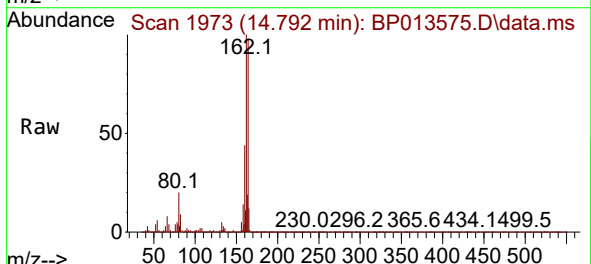
Instrument :
BNA_P
ClientSampleId :
PE-1D

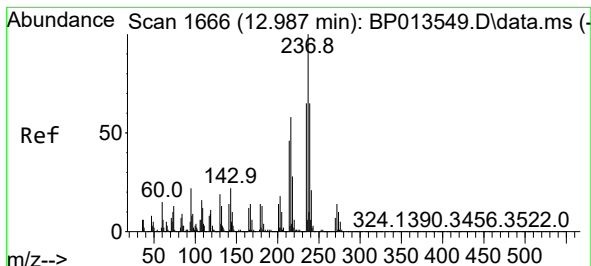
Tgt Ion: 82 Resp: 1735223
Ion Ratio Lower Upper
82 100
128 47.3 35.8 53.6
54 50.5 42.6 64.0



#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





#41

Hexachlorocyclopentadiene

Concen: 3.905 ng

RT: 12.934 min Scan# 1

Delta R.T. -0.047 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

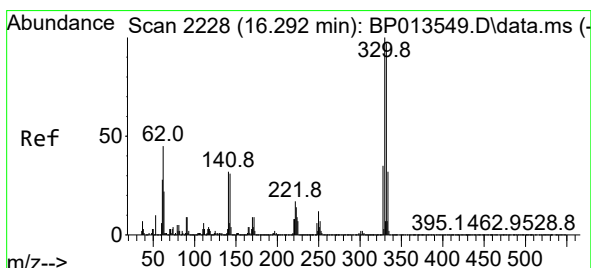
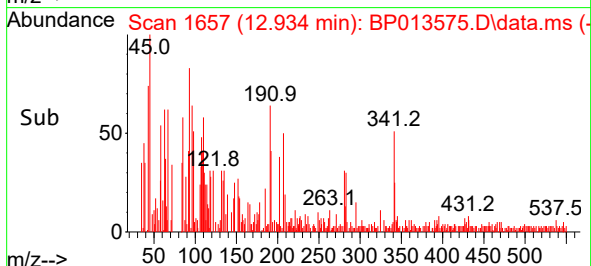
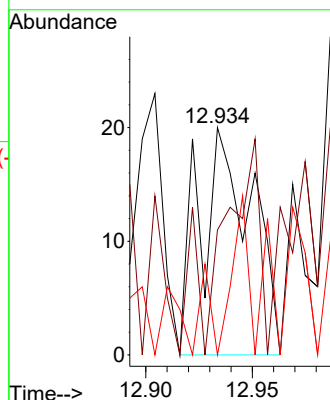
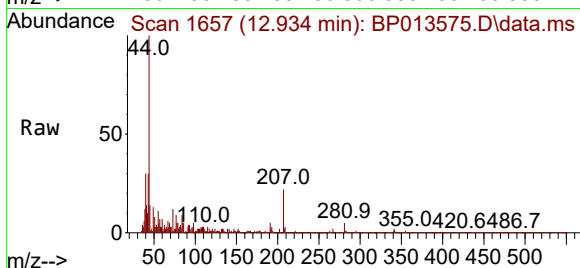
Tgt Ion:237 Resp: 34

Ion Ratio Lower Upper

237 100

235 75.0 44.6 84.6

272 0.0 0.0 33.9



#42

2,4,6-Tribromophenol

Concen: 112.595 ng

RT: 16.281 min Scan# 2226

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

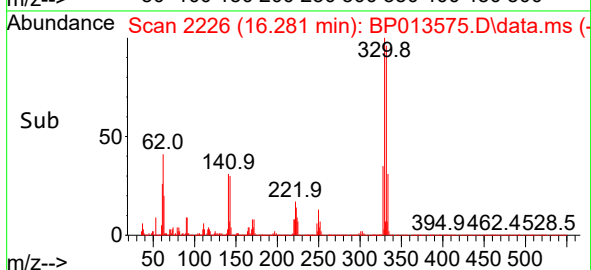
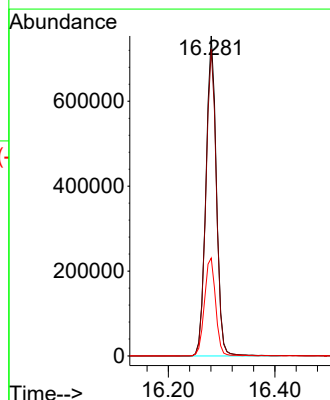
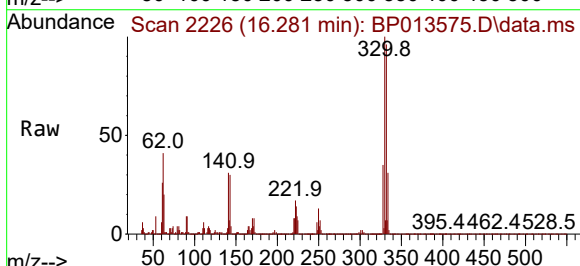
Tgt Ion:330 Resp: 1025664

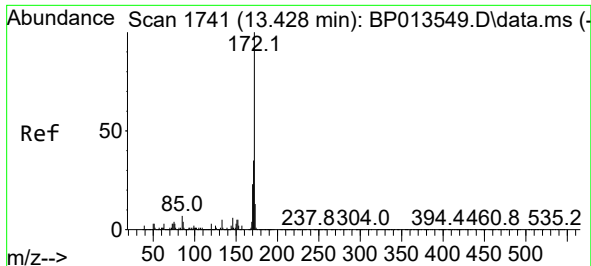
Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

141 32.7 27.6 41.4

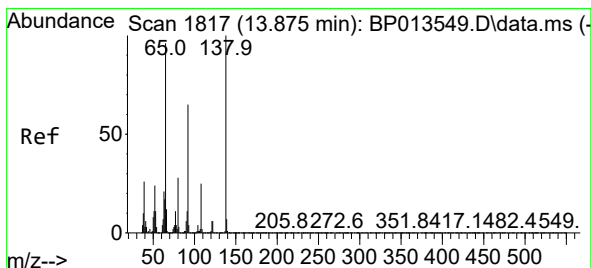
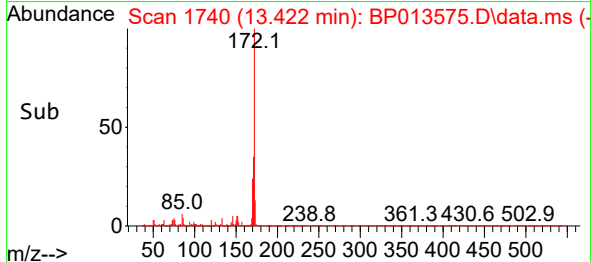
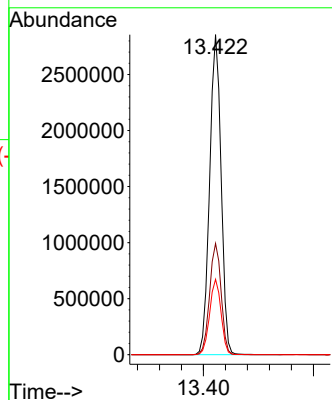
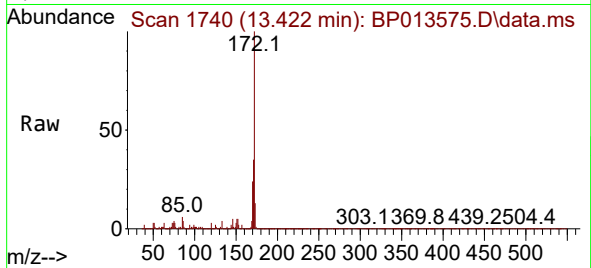




#45
2-Fluorobiphenyl
Concen: 62.290 ng
RT: 13.422 min Scan# 1741
Delta R.T. -0.006 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

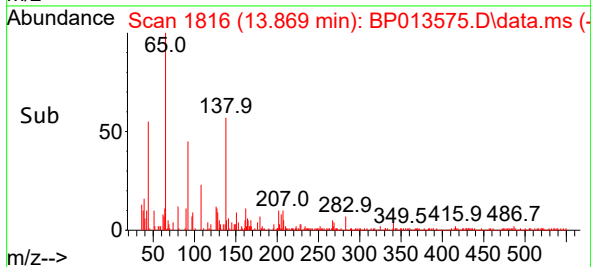
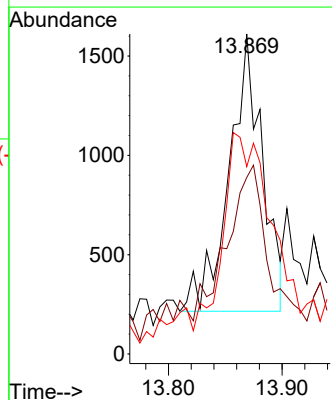
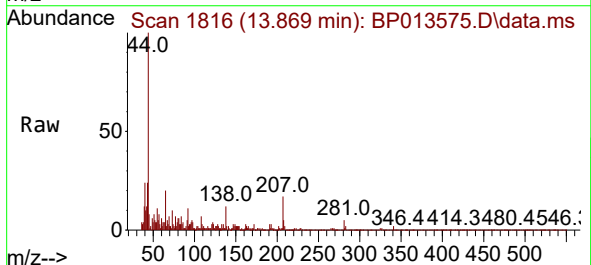
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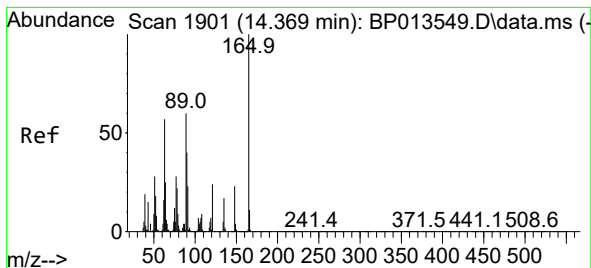
Tgt Ion:172 Resp: 4121180
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.6 18.6 27.8



#48
2-Nitroaniline
Concen: 6.398 ng
RT: 13.869 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

Tgt Ion: 65 Resp: 2833
Ion Ratio Lower Upper
65 100
92 55.2 54.1 81.1
138 58.5 83.6 125.4#

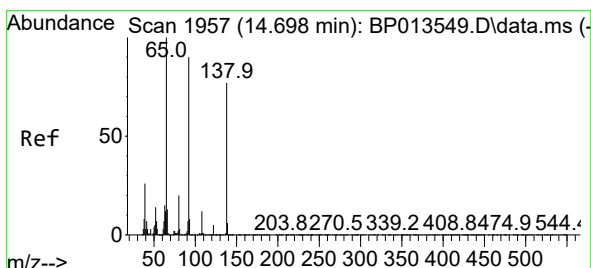
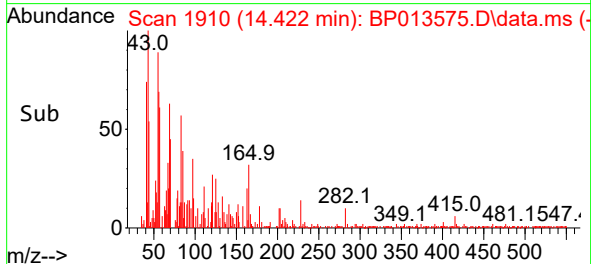
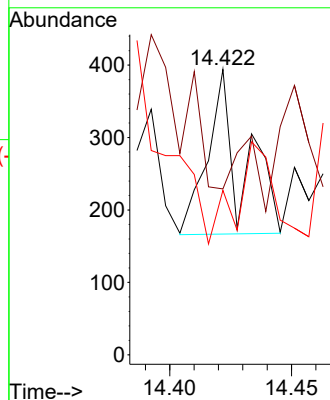
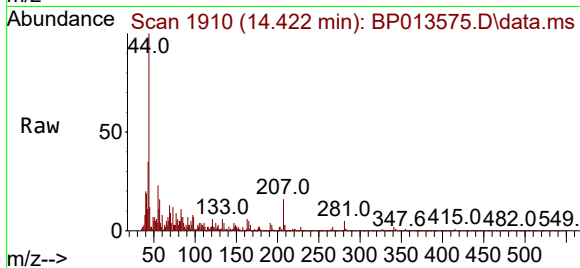




#51
2,6-Dinitrotoluene
Concen: 5.179 ng
RT: 14.422 min Scan# 1901
Delta R.T. 0.059 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

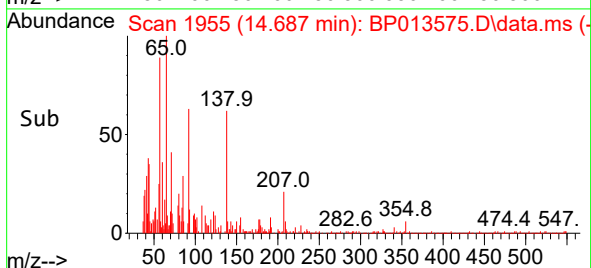
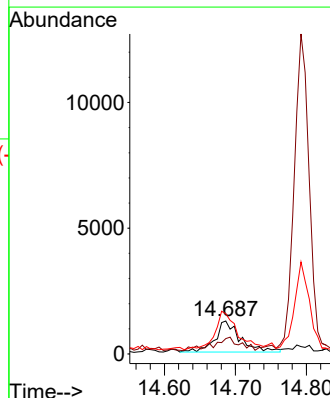
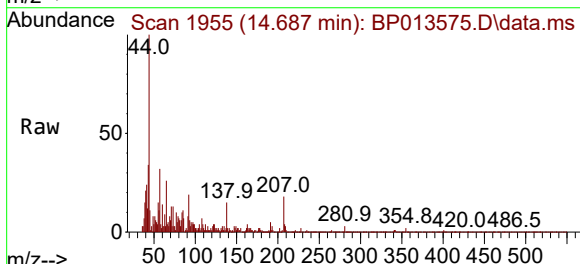
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ClientSampleId :
PE-1D

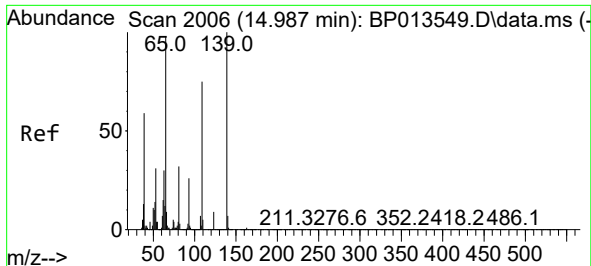
Tgt Ion:165 Resp: 226
Ion Ratio Lower Upper
165 100
63 58.1 47.2 70.8
89 57.6 47.8 71.6



#53
3-Nitroaniline
Concen: 5.586 ng
RT: 14.687 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

Tgt Ion:138 Resp: 3024
Ion Ratio Lower Upper
138 100
108 46.8 12.8 19.2#
92 122.3 93.3 139.9

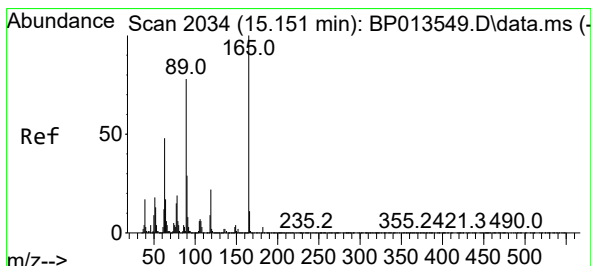
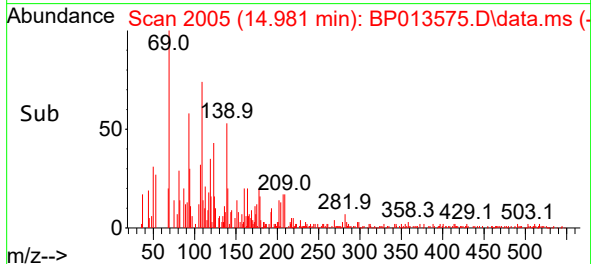
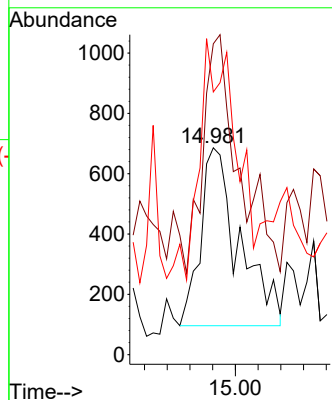
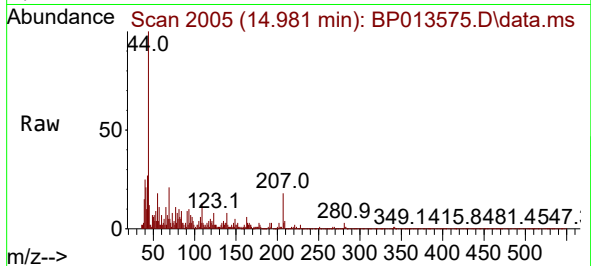




#56
4-Nitrophenol
Concen: 5.305 ng
RT: 14.981 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

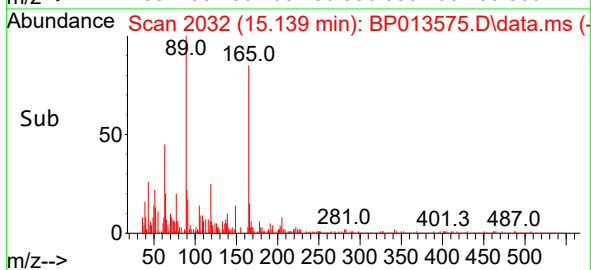
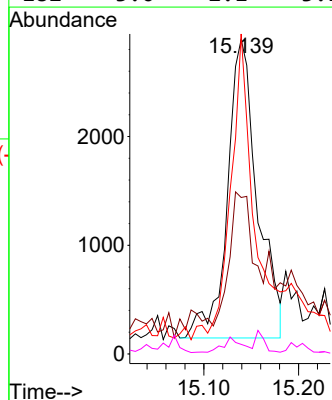
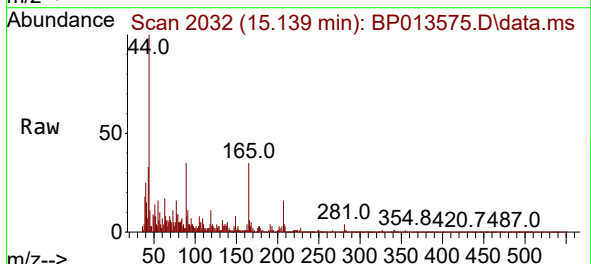
Instrument :
BNA_P
ClientSampleId :
PE-1D

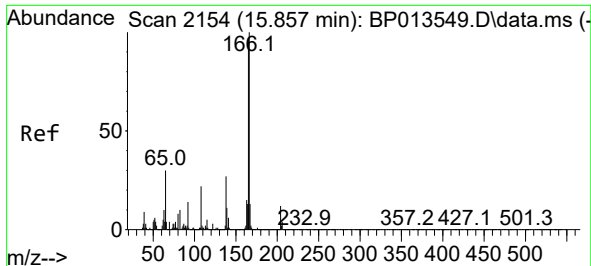
Tgt Ion:139 Resp: 1388
Ion Ratio Lower Upper
139 100
109 150.3 55.0 95.0#
65 127.0 77.7 117.7#



#57
2,4-Dinitrotoluene
Concen: 5.538 ng
RT: 15.139 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

Tgt Ion:165 Resp: 6043
Ion Ratio Lower Upper
165 100
63 49.7 38.3 57.5
89 101.7 62.1 93.1#
182 3.0 2.1 3.1

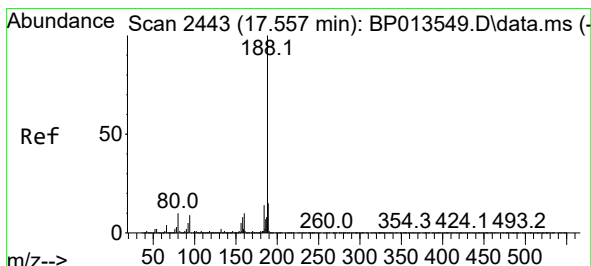
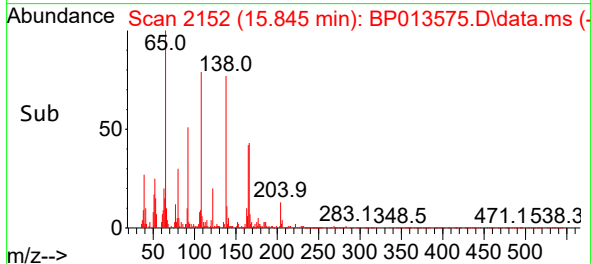
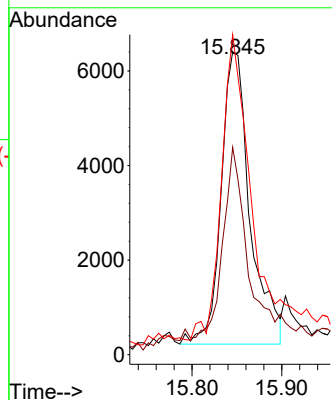
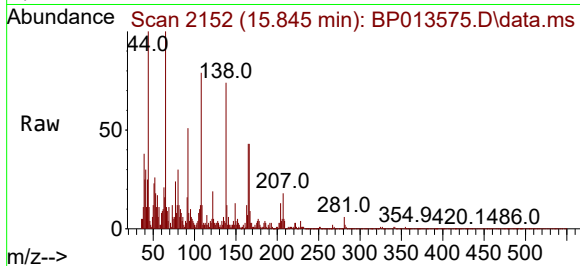




#62
4-Nitroaniline
Concen: 4.550 ng
RT: 15.845 min Scan# 2152
Delta R.T. -0.012 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

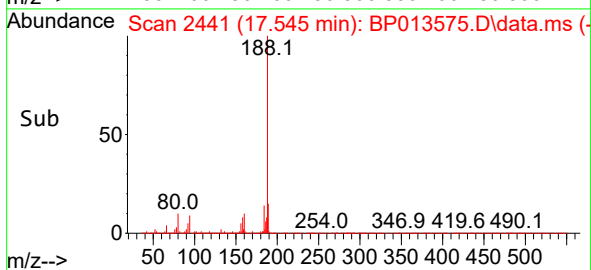
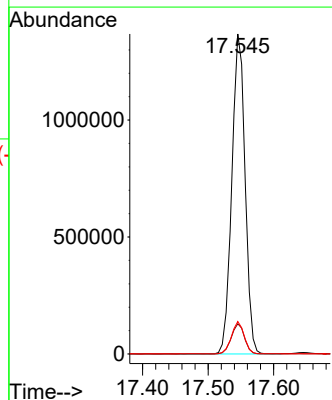
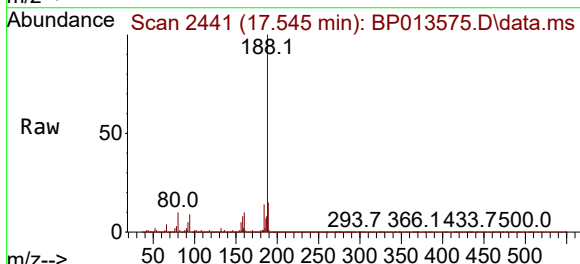
Instrument :
BNA_P
ClientSampleId :
PE-1D

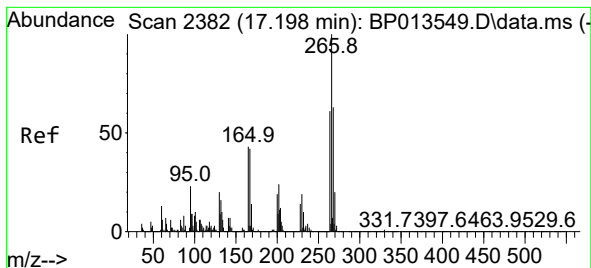
Tgt Ion:138 Resp: 13852
Ion Ratio Lower Upper
138 100
92 68.4 32.3 72.3
108 105.6 59.2 99.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.545 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BP013575.D
Acq: 24 Jan 2023 17:36

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





#70

Pentachlorophenol

Concen: 5.374 ng

RT: 17.186 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

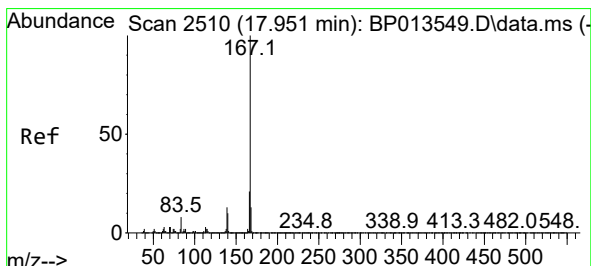
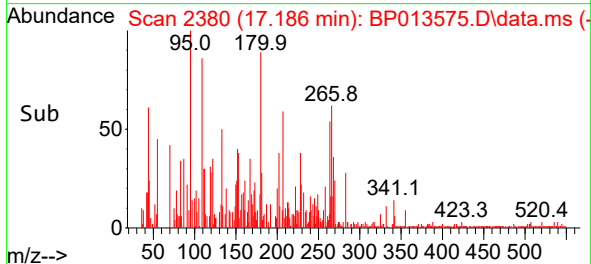
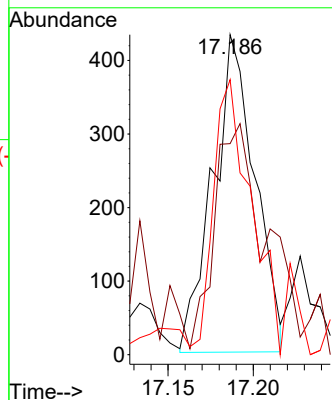
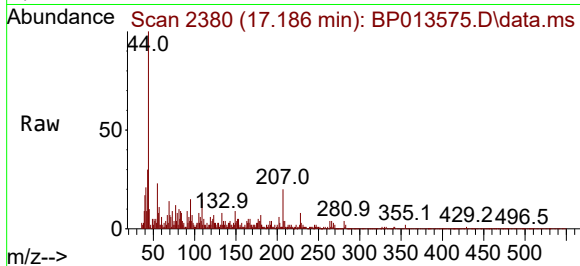
Tgt Ion:266 Resp: 741

Ion Ratio Lower Upper

266 100

268 66.0 50.7 76.1

264 111.7 48.9 73.3#



#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

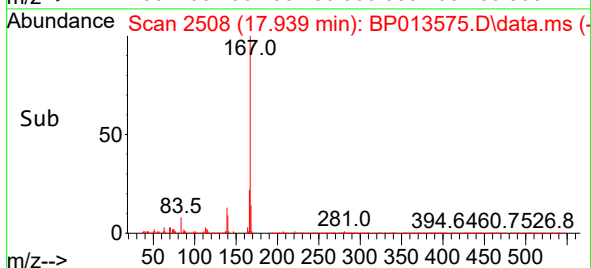
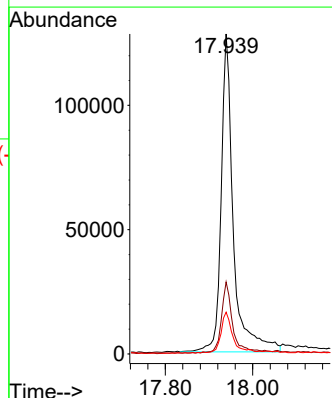
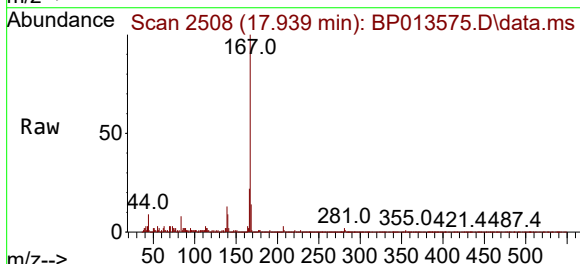
Tgt Ion:167 Resp: 246108

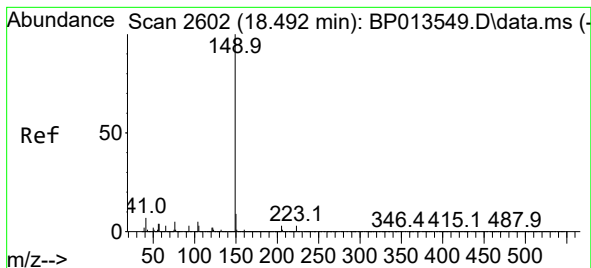
Ion Ratio Lower Upper

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# 2

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

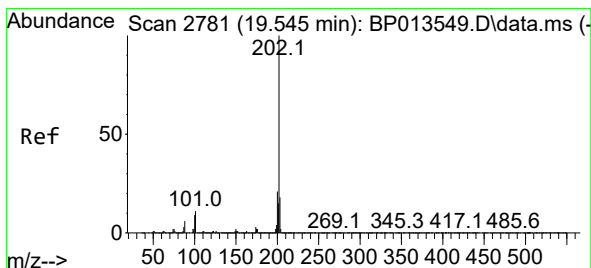
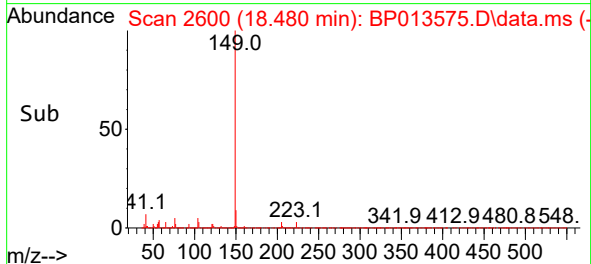
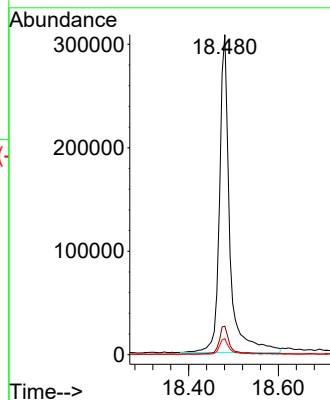
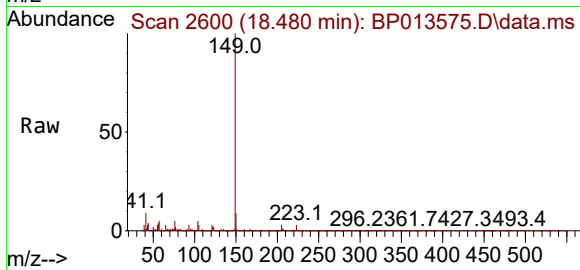
Tgt Ion:149 Resp: 485833

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

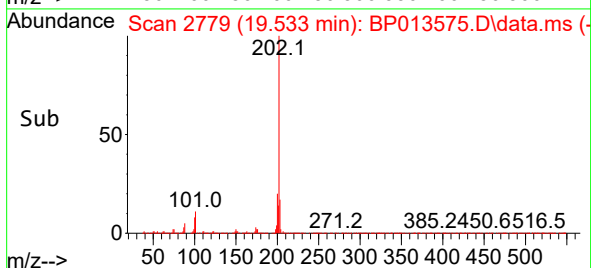
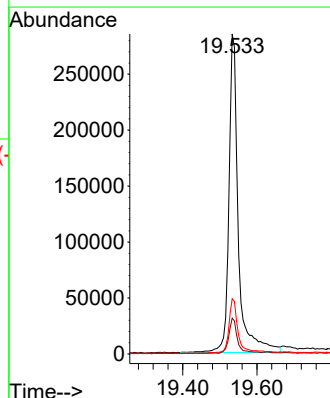
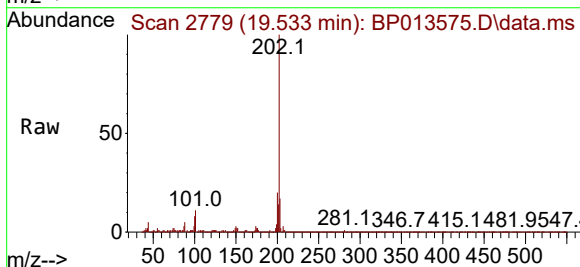
Tgt Ion:202 Resp: 505215

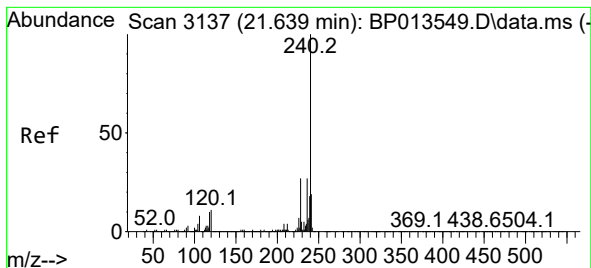
Ion Ratio Lower Upper

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# 3137

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

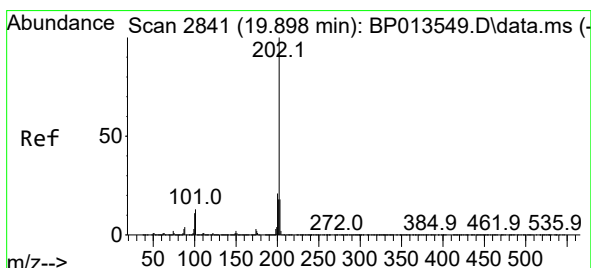
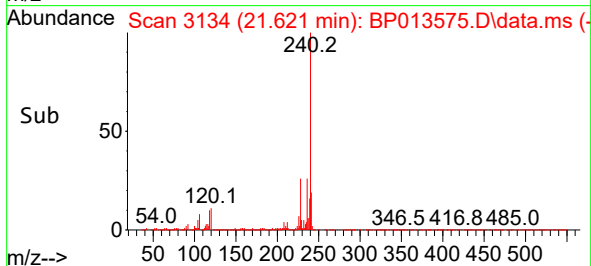
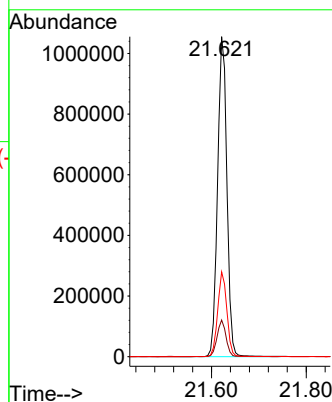
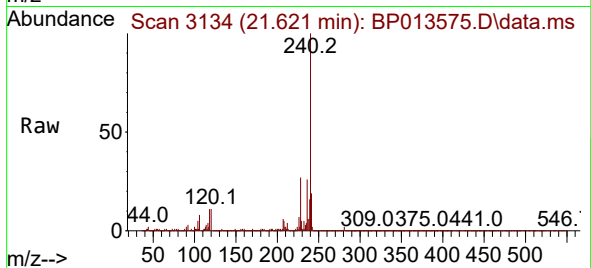
Tgt Ion:240 Resp: 1438705

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

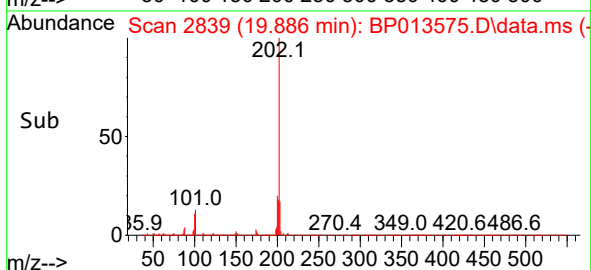
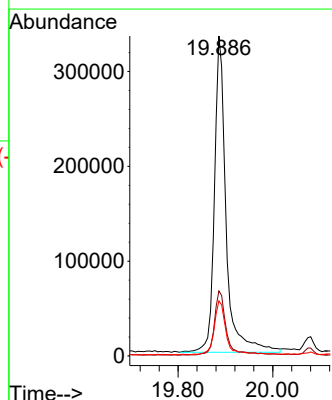
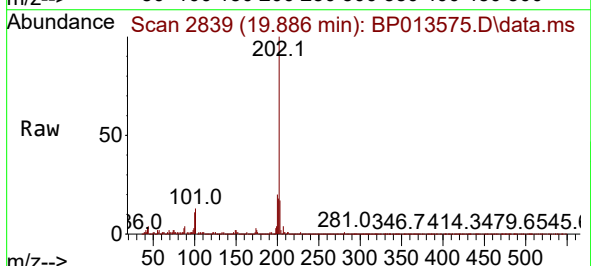
Tgt Ion:202 Resp: 573105

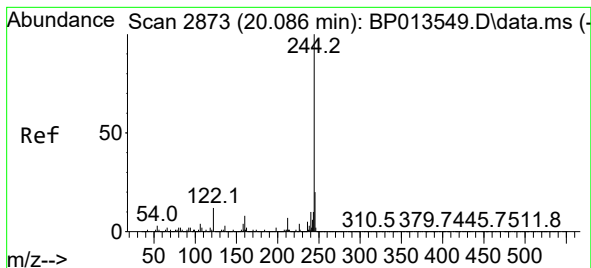
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.000 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

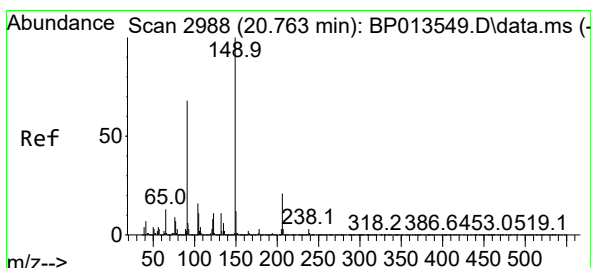
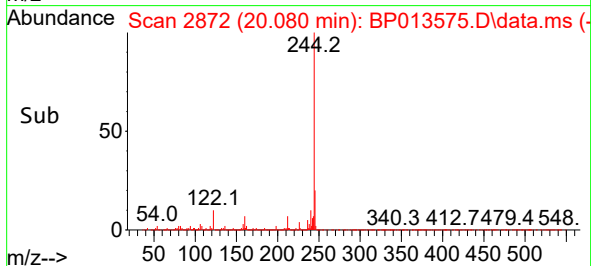
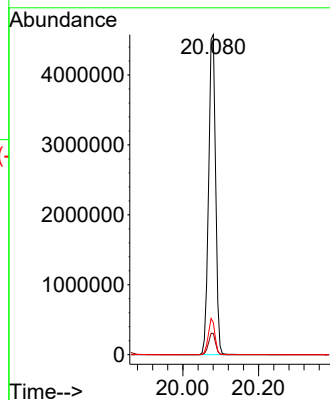
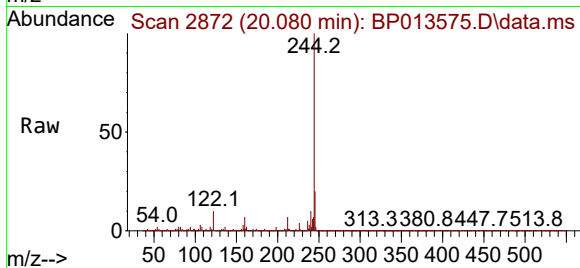
Tgt Ion:244 Resp: 5828866

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

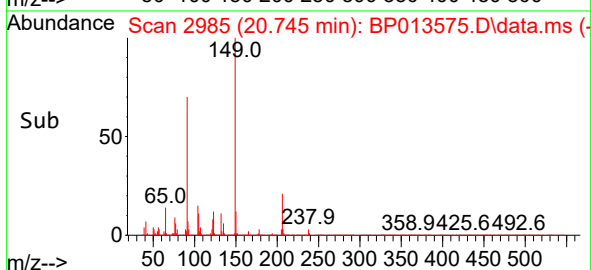
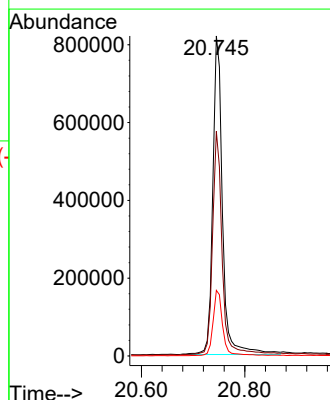
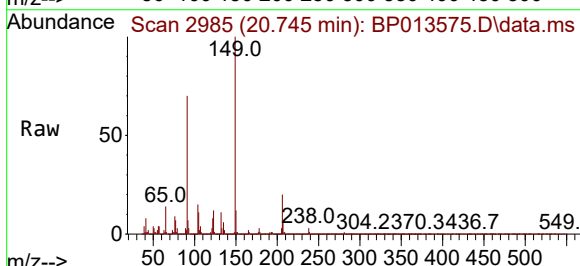
Tgt Ion:149 Resp: 1071858

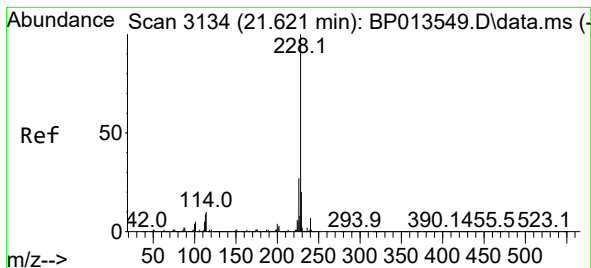
Ion Ratio Lower Upper

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# 311

Delta R.T. -0.006 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

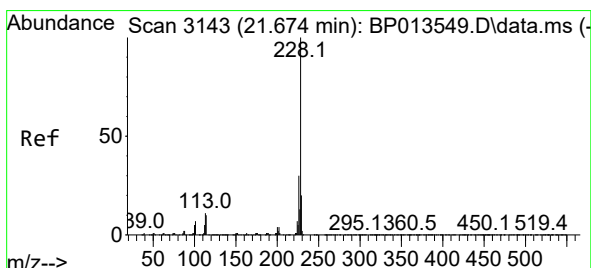
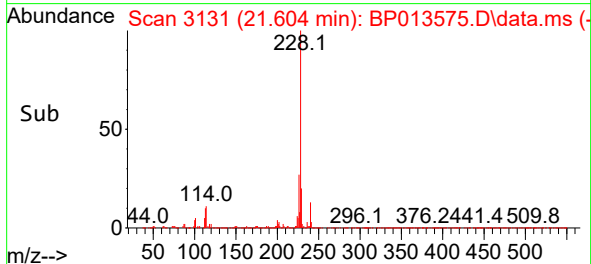
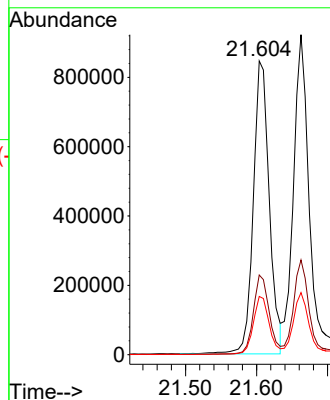
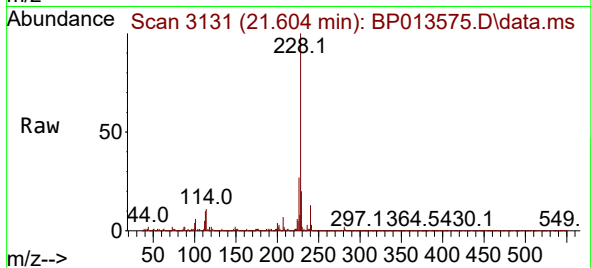
Tgt Ion:228 Resp: 1318399

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

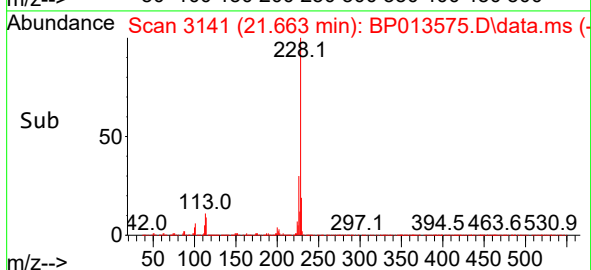
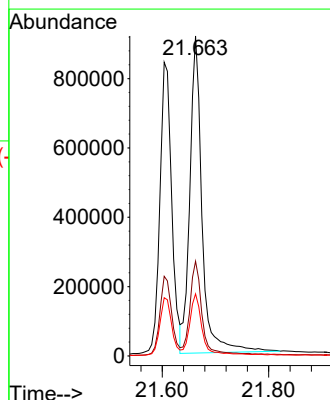
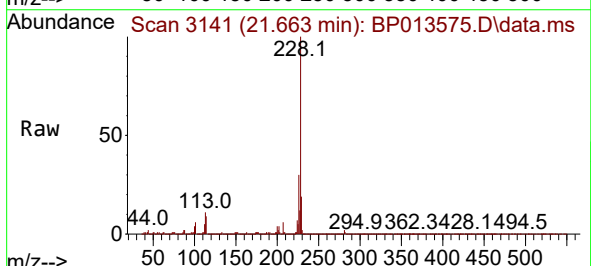
Tgt Ion:228 Resp: 1456066

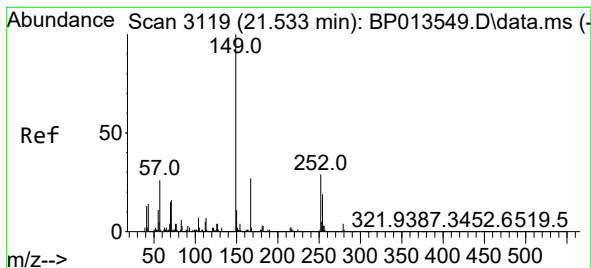
Ion Ratio Lower Upper

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# 3119

Delta R.T. -0.000 min

Lab File: BP013575.D

Acq: 24 Jan 2023 17:36

Instrument :

BNA_P

ClientSampleId :

PE-1D

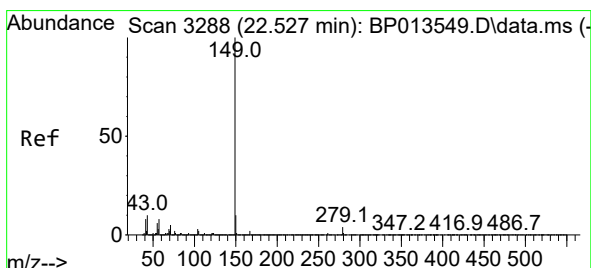
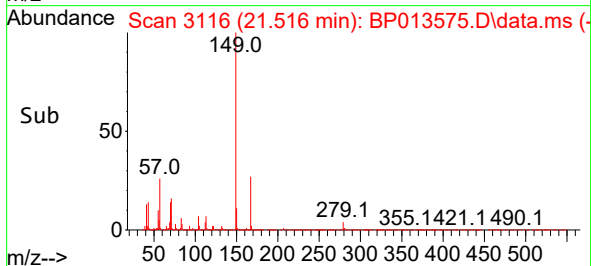
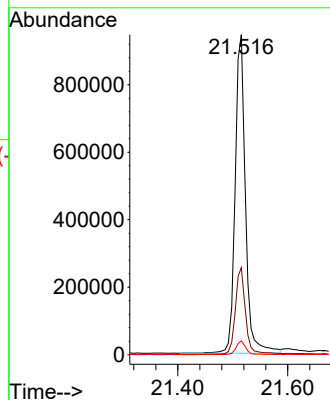
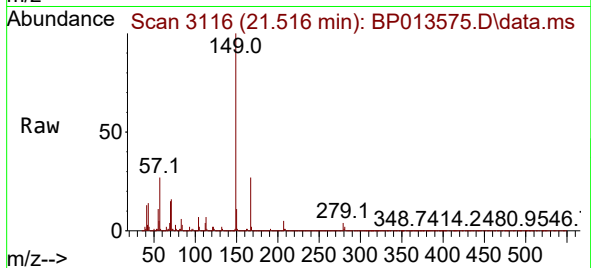
Tgt Ion:149 Resp: 1235566

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

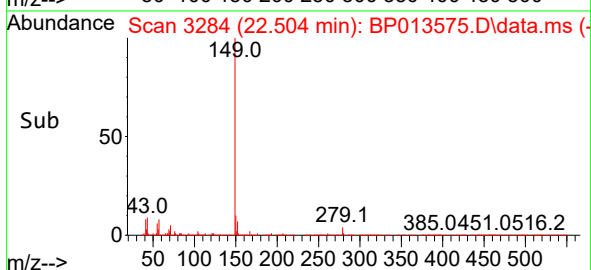
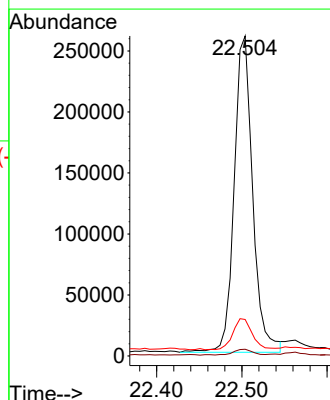
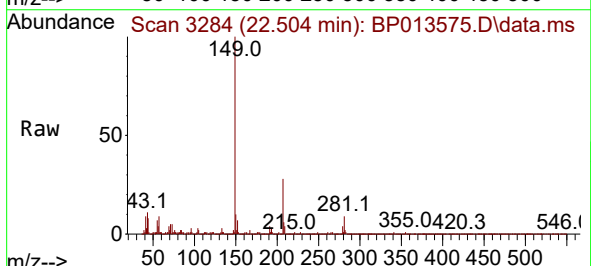
Tgt Ion:149 Resp: 391753

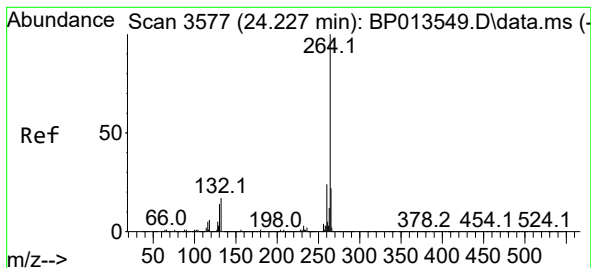
Ion Ratio Lower Upper

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

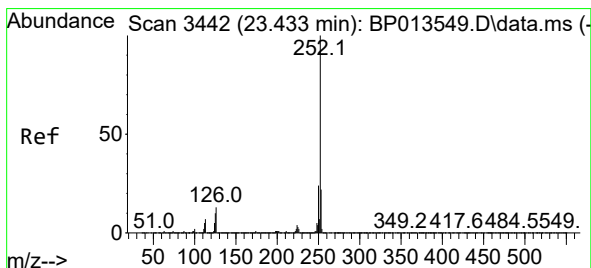
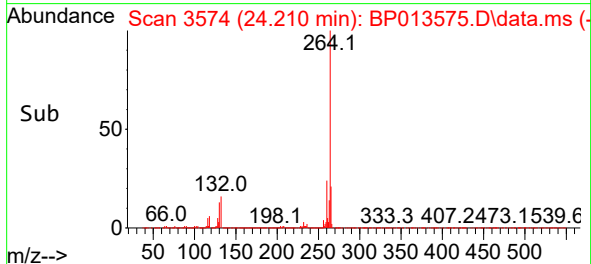
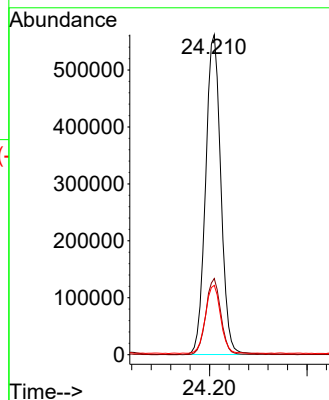
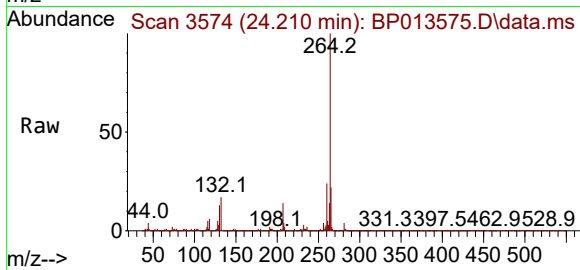
Tgt Ion:264 Resp: 1217195

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

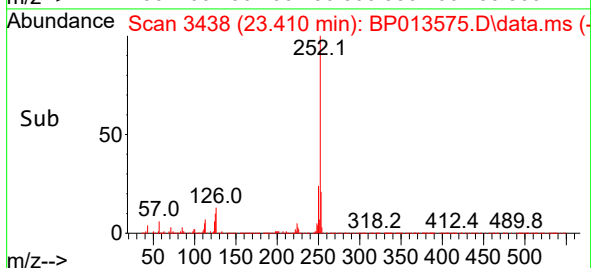
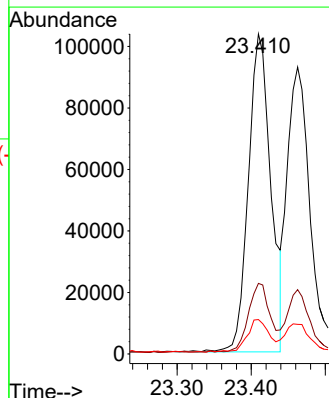
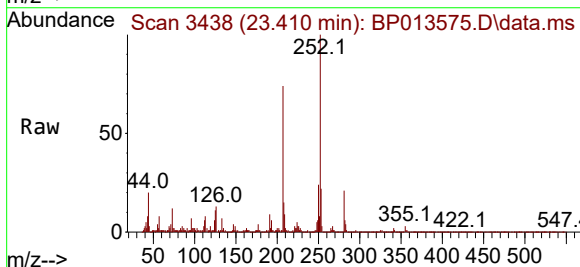
Tgt Ion:252 Resp: 217860

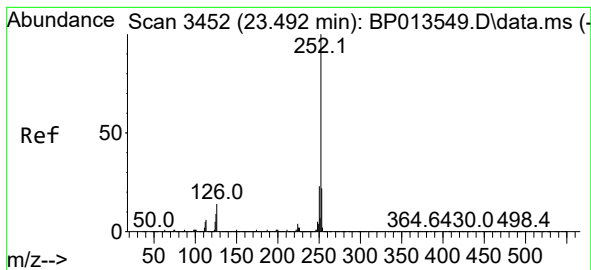
Ion Ratio Lower Upper

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

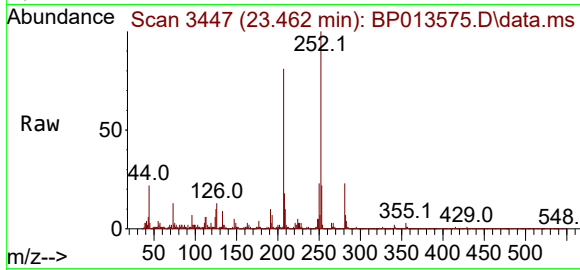
Acq: 24 Jan 2023 17:36

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

