

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
 Data File : BP013574.D
 Acq On : 24 Jan 2023 17:02
 Operator : CG/JU
 Sample : 01252-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-9

Quant Time: Jan 25 03:49:18 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)

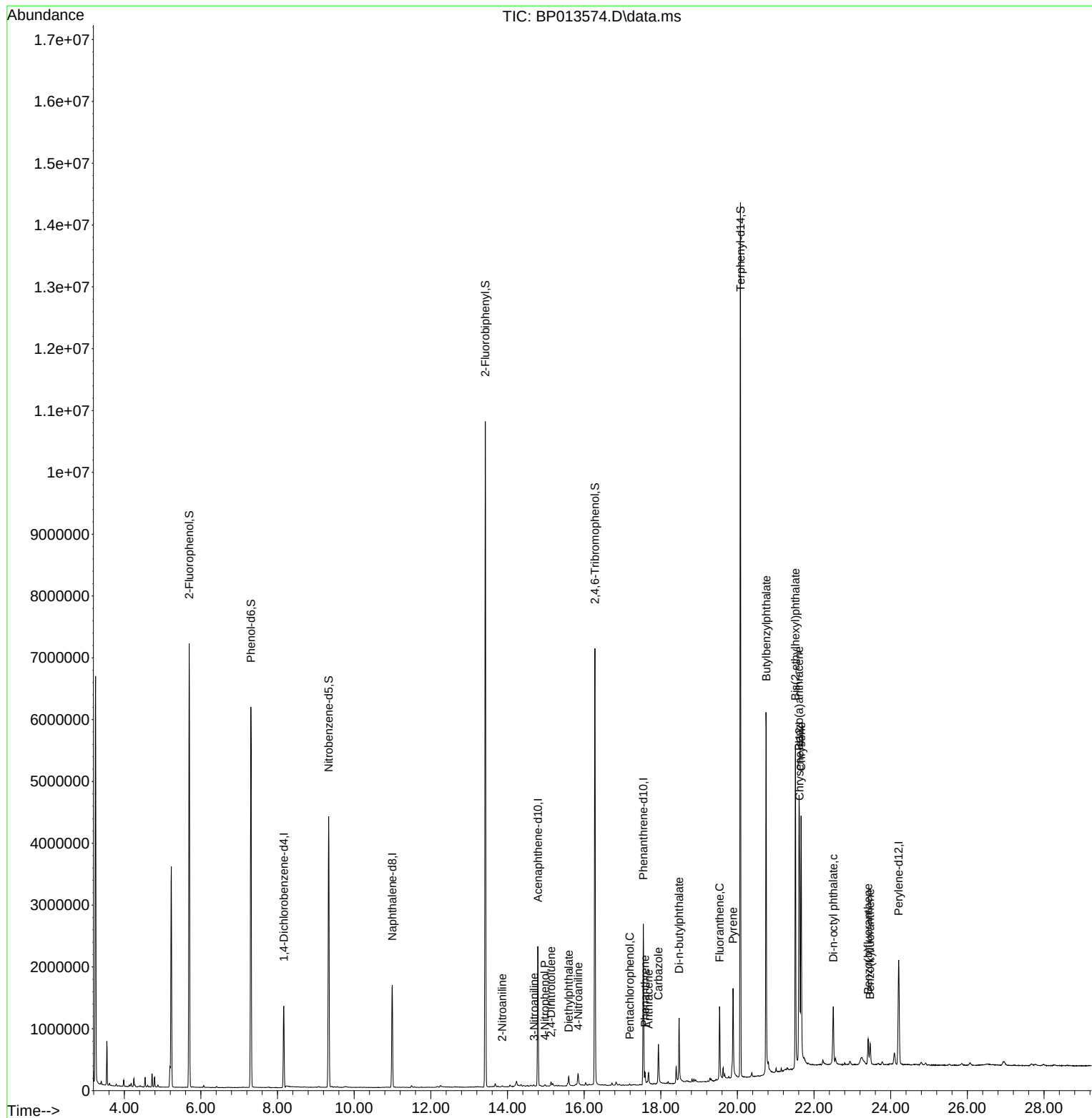
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	367509	20.000	ng	0.00
21) Naphthalene-d8	10.993	136	1414538	20.000	ng	0.00
39) Acenaphthene-d10	14.793	164	774819	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	1498405	20.000	ng	0.00
76) Chrysene-d12	21.622	240	1153069	20.000	ng	0.00
86) Perylene-d12	24.210	264	1358530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	3219183	150.081	ng	0.00
7) Phenol-d6	7.305	99	3724914	129.031	ng	0.00
23) Nitrobenzene-d5	9.334	82	2497057	116.538	ng	0.00
42) 2,4,6-Tribromophenol	16.281	330	1398346	179.926	ng	0.00
45) 2-Fluorobiphenyl	13.422	172	5618183	99.530	ng	0.00
79) Terphenyl-d14	20.081	244	6713143	104.737	ng	0.00
Target Compounds						Qvalue
48) 2-Nitroaniline	13.863	65	7817	6.801	ng	95
53) 3-Nitroaniline	14.693	138	7878	5.951	ng	# 93
56) 4-Nitrophenol	14.975	139	7050	5.868	ng	97
57) 2,4-Dinitrotoluene	15.140	165	22493	6.696	ng	98
60) Diethylphthalate	15.598	149	119490	2.124	ng	98
62) 4-Nitroaniline	15.845	138	44955	7.036	ng	96
70) Pentachlorophenol	17.187	266	3268	5.584	ng	# 86
71) Phenanthrene	17.587	178	174929	2.098	ng	98
72) Anthracene	17.681	178	185730	2.195	ng	99
73) Carbazole	17.939	167	534699	7.032	ng	99
74) Di-n-butylphthalate	18.481	149	962672	11.375	ng	100
75) Fluoranthene	19.533	202	920411	10.382	ng	99
78) Pyrene	19.886	202	1064467	12.073	ng	99
80) Butylbenzylphthalate	20.751	149	2092177	74.530	ng	96
81) Benzo(a)anthracene	21.610	228	2387520	29.721	ng	100
83) Chrysene	21.663	228	2503635	32.586	ng	99
84) Bis(2-ethylhexyl)phtha...	21.516	149	2191677	48.784	ng	100
85) Di-n-octyl phthalate	22.504	149	694155	9.584	ng	97
88) Benzo(b)fluoranthene	23.410	252	323101	3.866	ng	98
89) Benzo(k)fluoranthene	23.463	252	294975	3.460	ng	99

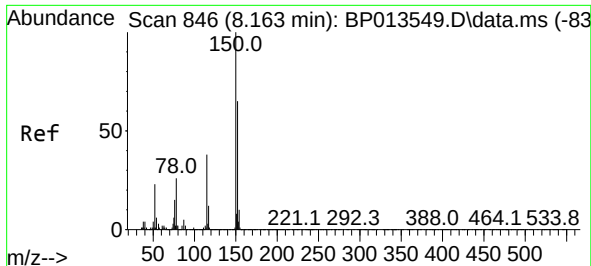
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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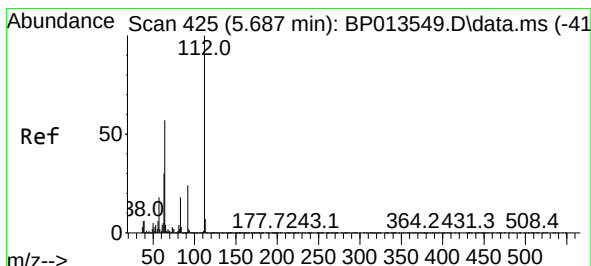
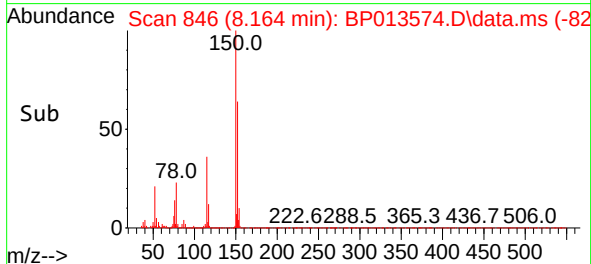
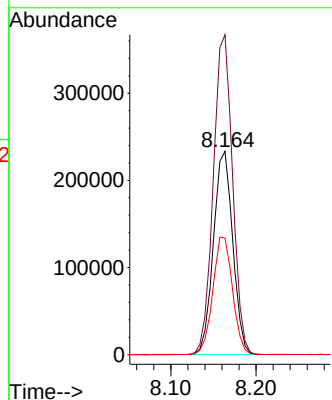
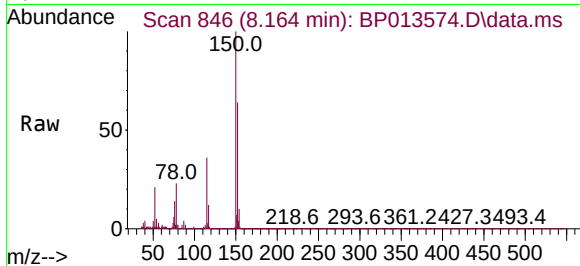




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 846
Delta R.T. -0.000 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

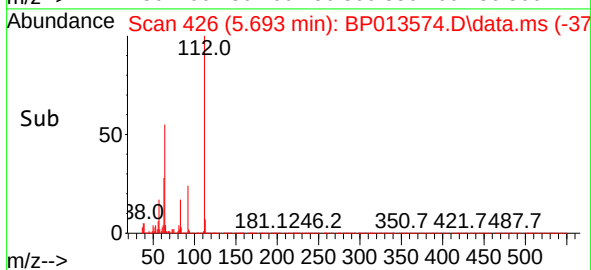
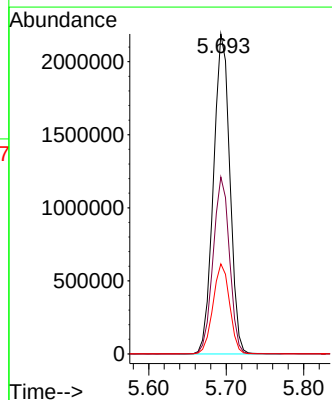
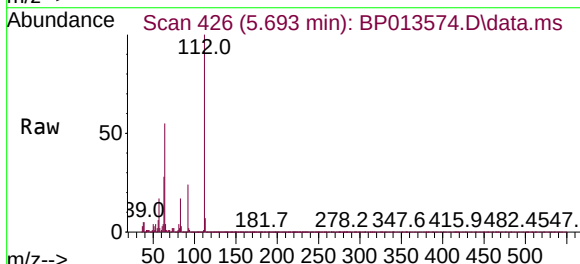
Instrument :
BNA_P
ClientSampleId :
MH-9

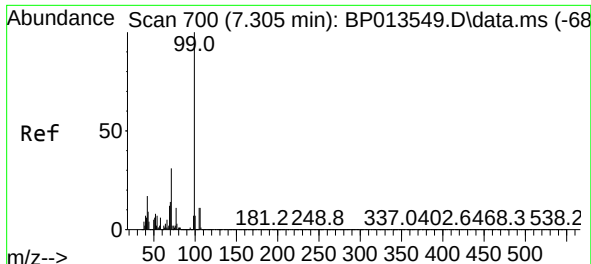
Tgt Ion:152 Resp: 367509
Ion Ratio Lower Upper
152 100
150 157.4 122.4 183.6
115 57.4 46.1 69.1



#5
2-Fluorophenol
Concen: 150.081 ng
RT: 5.693 min Scan# 426
Delta R.T. 0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:112 Resp: 3219183
Ion Ratio Lower Upper
112 100
64 55.3 45.4 68.0
63 28.1 24.1 36.1



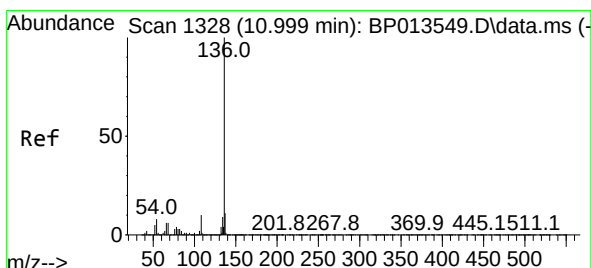
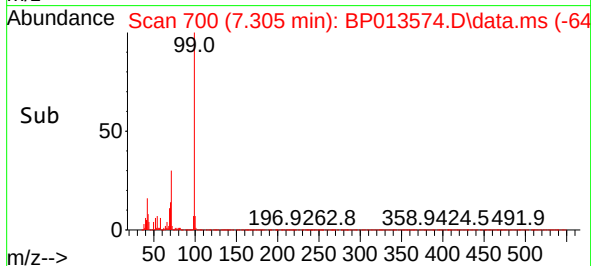
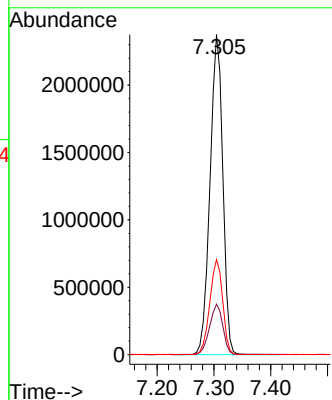
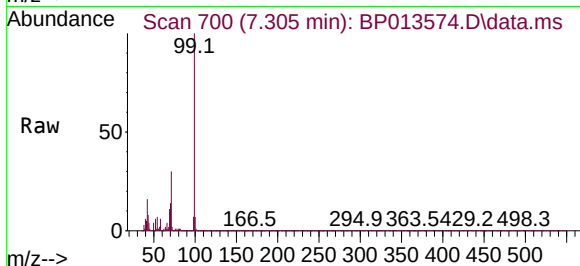


#7
Phenol-d6
Concen: 129.031 ng
RT: 7.305 min Scan# 700
Delta R.T. 0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Instrument :
BNA_P
ClientSampleId :
MH-9

Tgt Ion: 99 Resp: 3724914

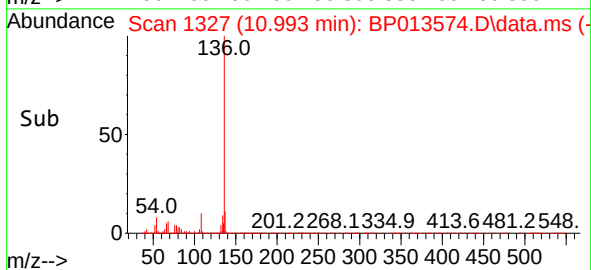
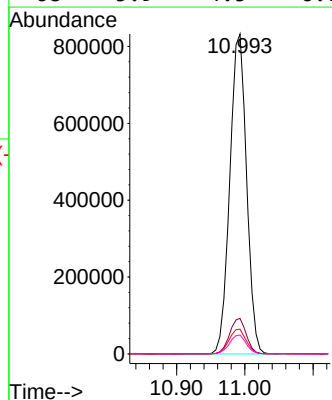
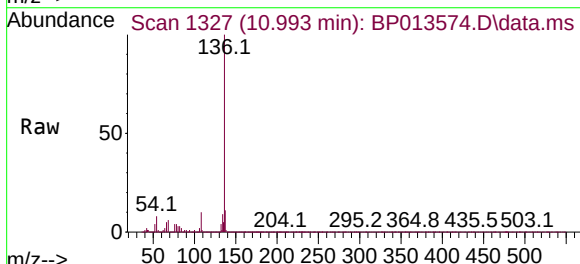
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.0	21.0
71	29.8	24.7	37.1

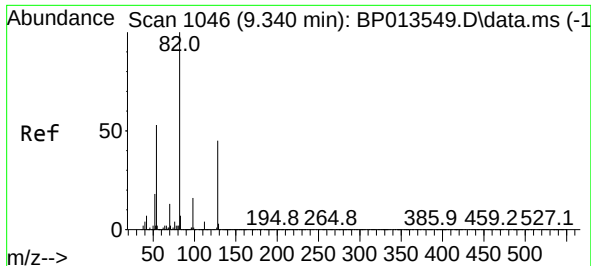


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.993 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion: 136 Resp: 1414538

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.7	6.6	9.8
68	5.9	4.5	6.7

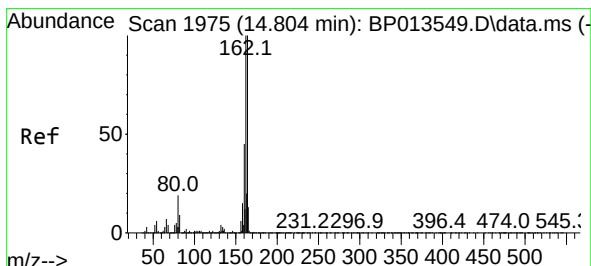
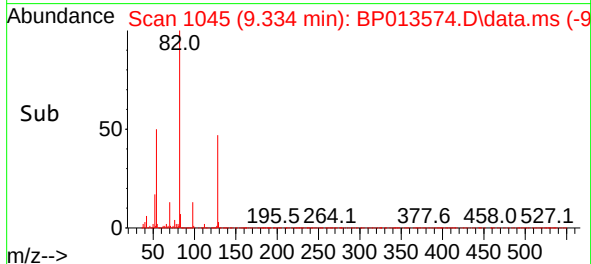
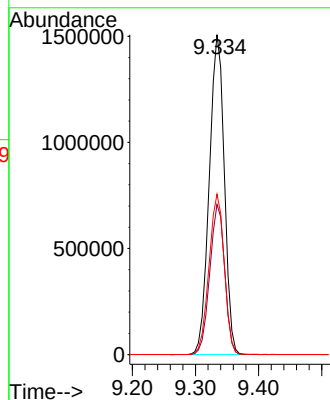
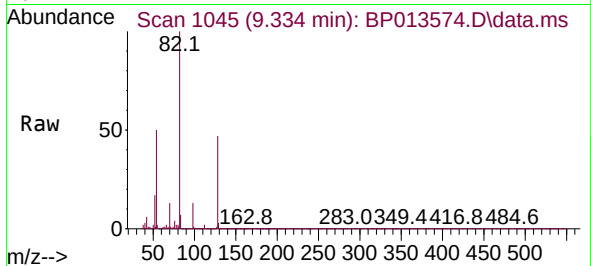




#23
Nitrobenzene-d5
Concen: 116.538 ng
RT: 9.334 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

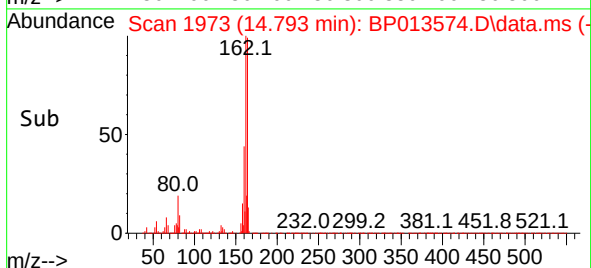
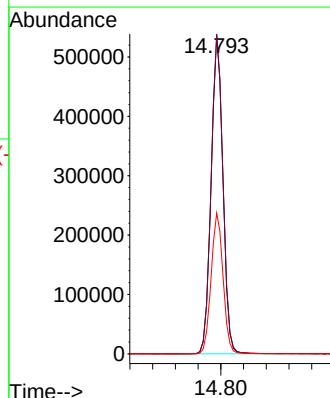
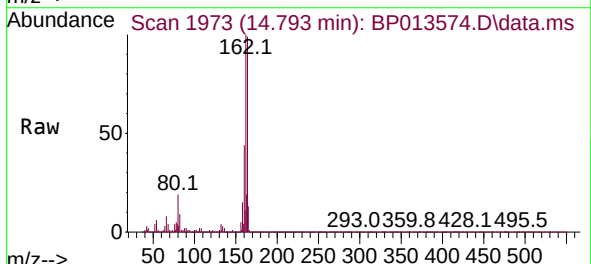
Instrument :
BNA_P
ClientSampleId :
MH-9

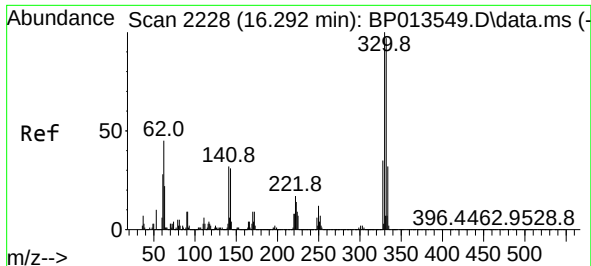
Tgt Ion: 82 Resp: 2497057
Ion Ratio Lower Upper
82 100
128 47.0 35.8 53.6
54 50.1 42.6 64.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.793 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:164 Resp: 774819
Ion Ratio Lower Upper
164 100
162 100.6 80.1 120.1
160 44.3 35.9 53.9

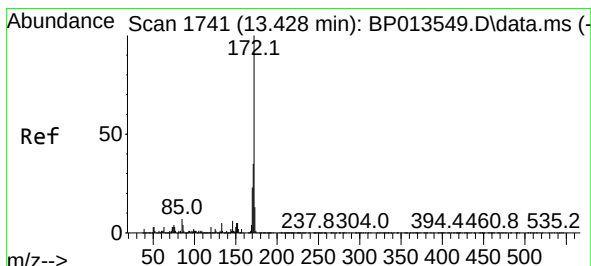
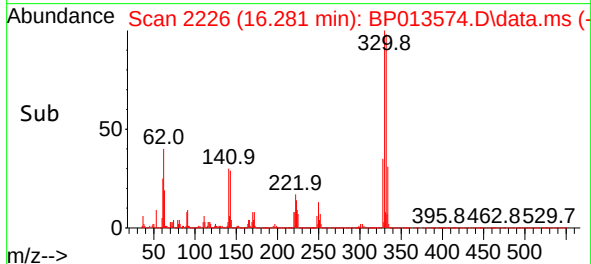
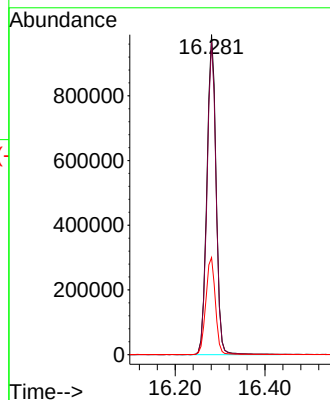
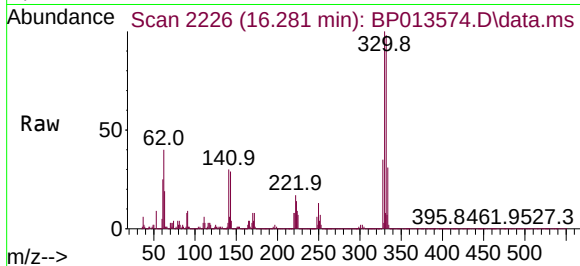




#42
2,4,6-Tribromophenol
Concen: 179.926 ng
RT: 16.281 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

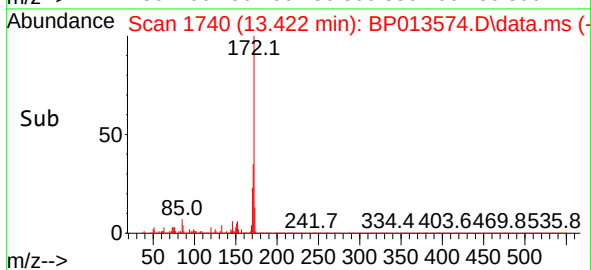
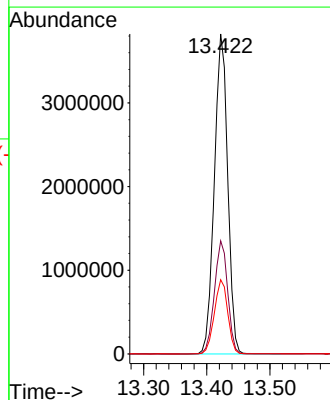
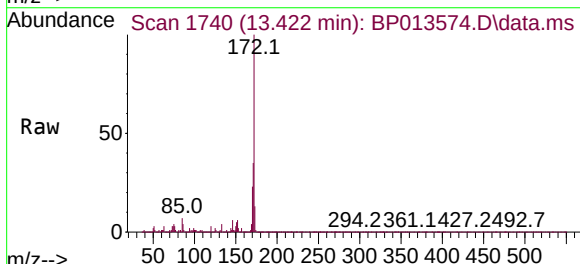
Instrument :
BNA_P
ClientSampleId :
MH-9

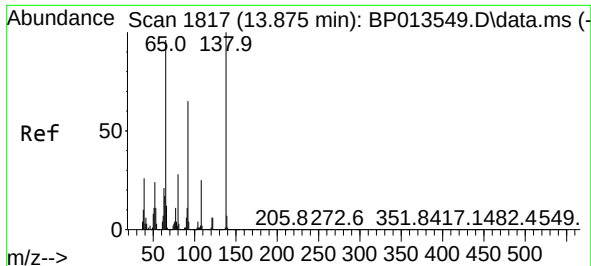
Tgt Ion:330 Resp: 1398346
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 31.6 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 99.530 ng
RT: 13.422 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:172 Resp: 5618183
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.8
170 23.2 18.6 27.8

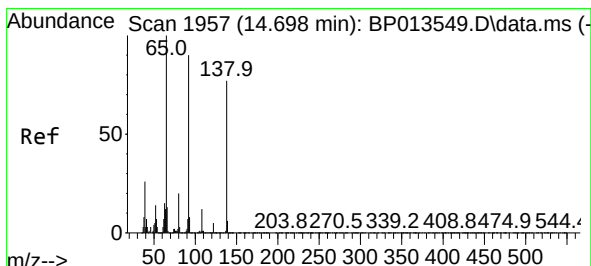
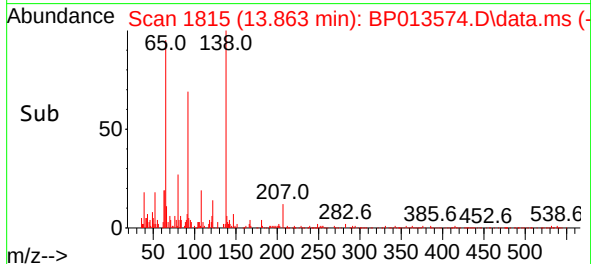
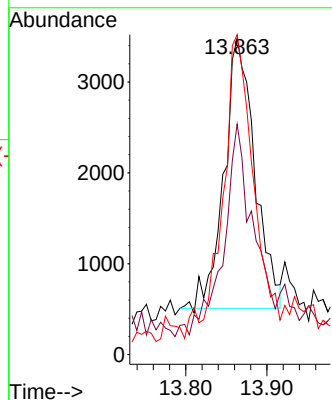
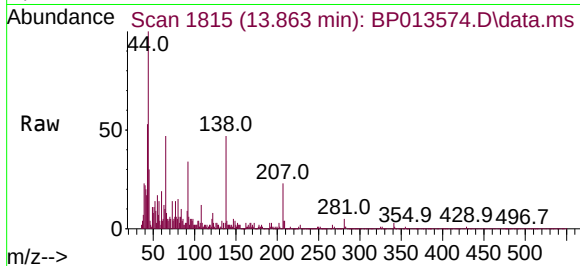




#48
2-Nitroaniline
Concen: 6.801 ng
RT: 13.863 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

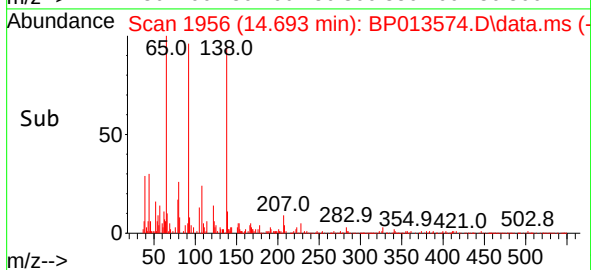
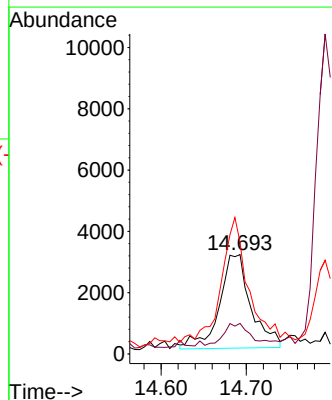
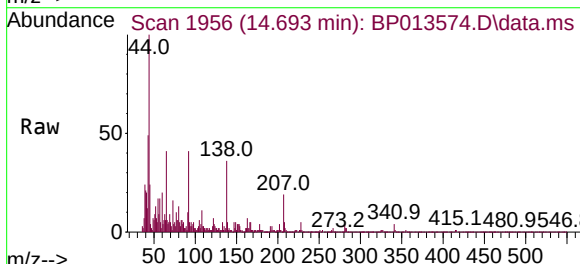
Instrument :
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ClientSampleId :
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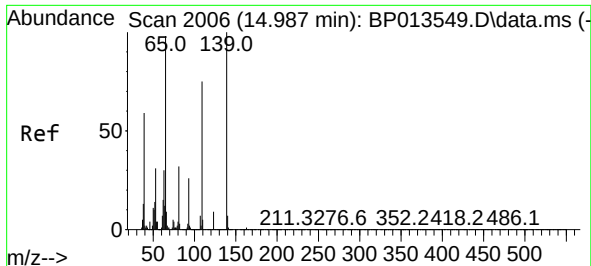
Tgt Ion:	65	Resp:	7817
Ion Ratio	Lower	Upper	
65	100		
92	72.8	54.1	81.1
138	101.1	83.6	125.4



#53
3-Nitroaniline
Concen: 5.951 ng
RT: 14.693 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:	138	Resp:	7878
Ion Ratio	Lower	Upper	
138	100		
108	30.7	12.8	19.2
92	112.5	93.3	139.9

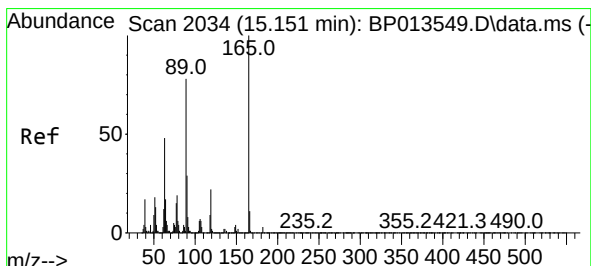
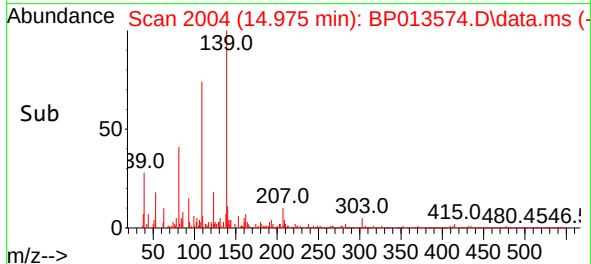
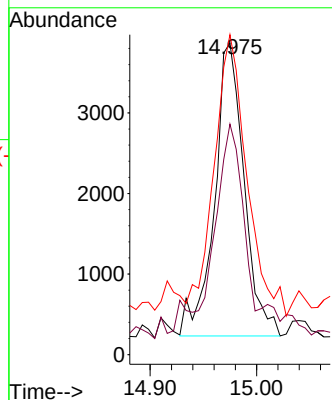
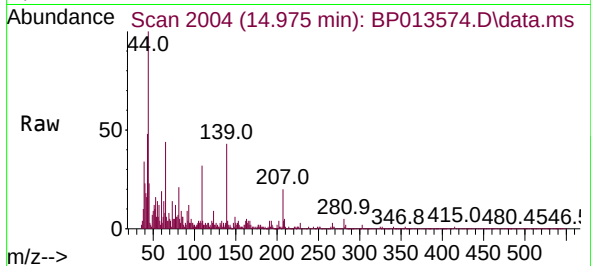




#56
4-Nitrophenol
Concen: 5.868 ng
RT: 14.975 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

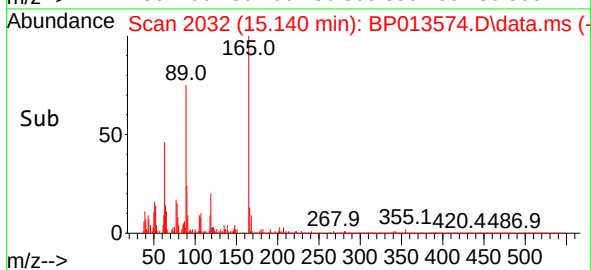
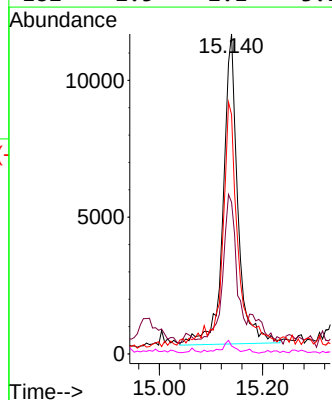
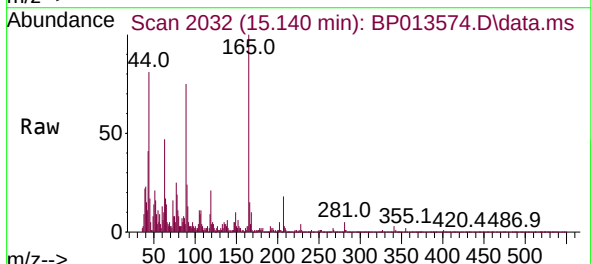
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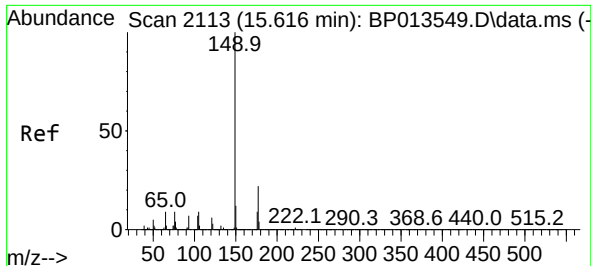
Tgt Ion:139 Resp: 7050
Ion Ratio Lower Upper
139 100
109 73.9 55.0 95.0
65 102.6 77.7 117.7



#57
2,4-Dinitrotoluene
Concen: 6.696 ng
RT: 15.140 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:165 Resp: 22493
Ion Ratio Lower Upper
165 100
63 47.4 38.3 57.5
89 74.8 62.1 93.1
182 2.5 2.1 3.1

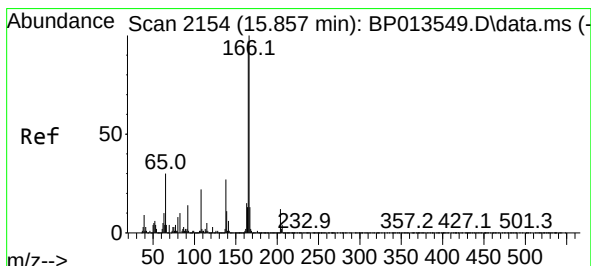
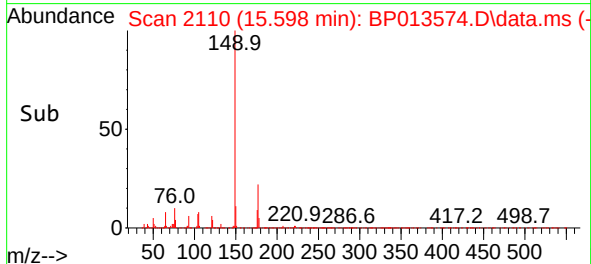
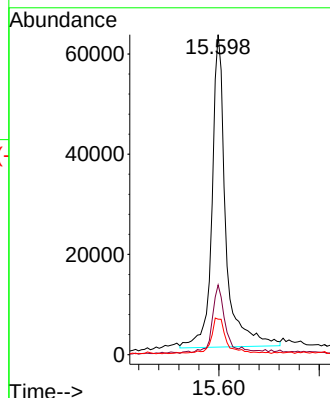
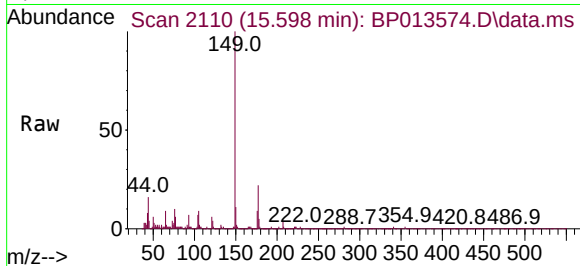




#60
Diethylphthalate
Concen: 2.124 ng
RT: 15.598 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

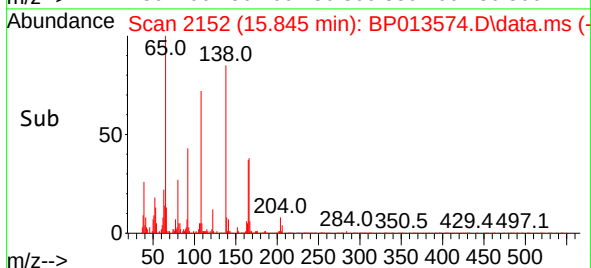
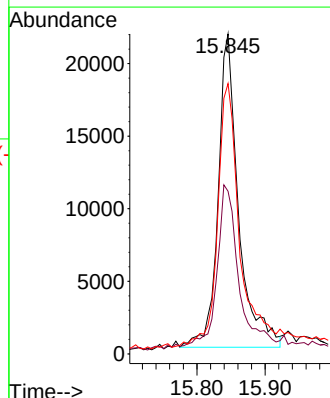
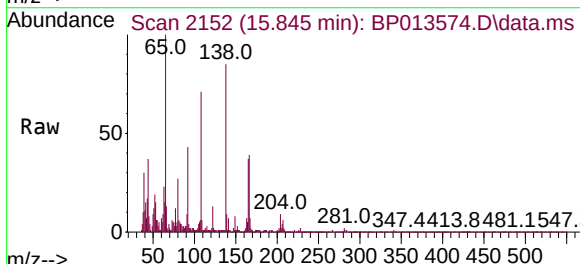
Instrument :
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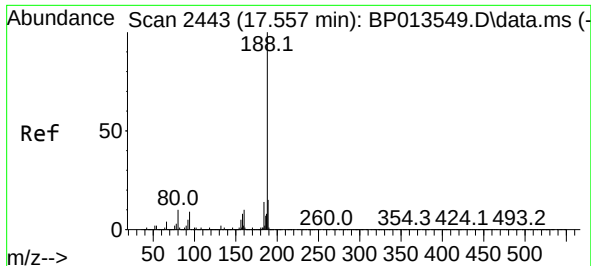
Tgt Ion:149 Resp: 119490
Ion Ratio Lower Upper
149 100
177 21.8 17.8 26.6
150 11.1 9.8 14.6



#62
4-Nitroaniline
Concen: 7.036 ng
RT: 15.845 min Scan# 2152
Delta R.T. -0.012 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:138 Resp: 44955
Ion Ratio Lower Upper
138 100
92 50.8 32.3 72.3
108 84.5 59.2 99.2

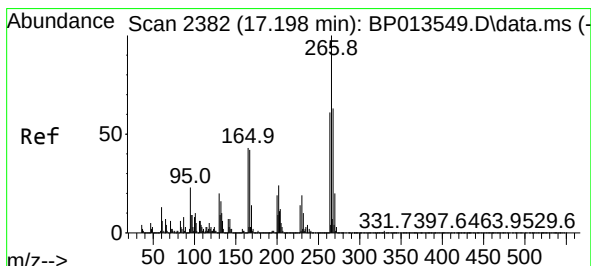
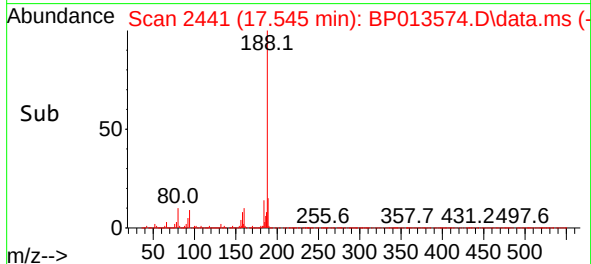
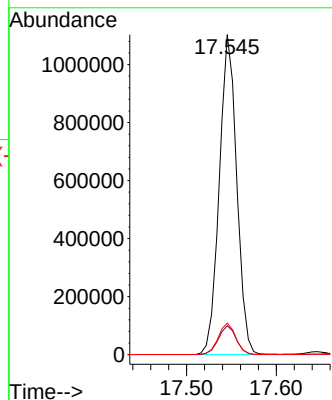
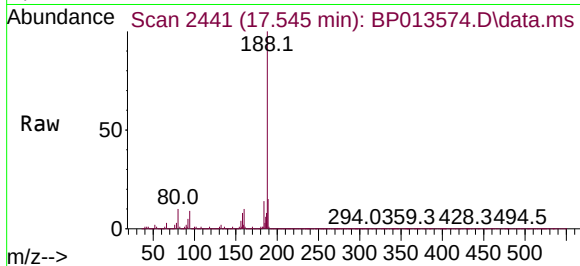




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.545 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

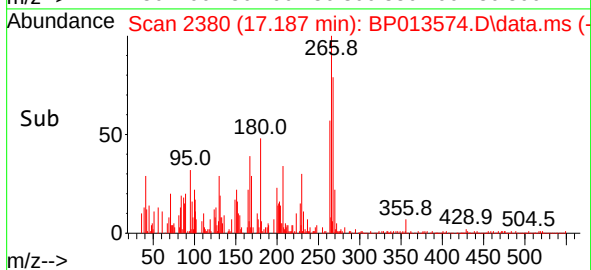
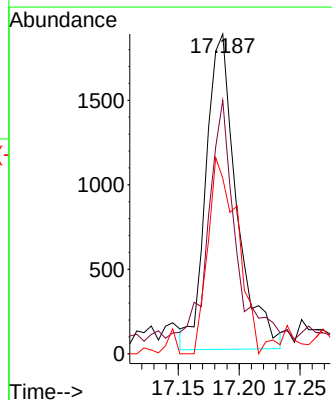
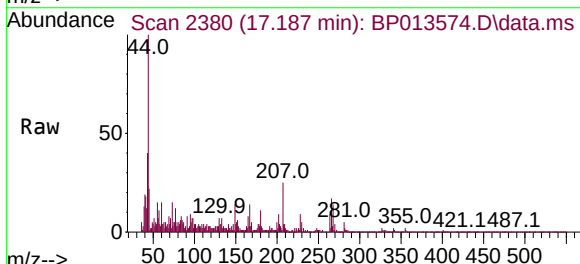
Instrument :
BNA_P
ClientSampleId :
MH-9

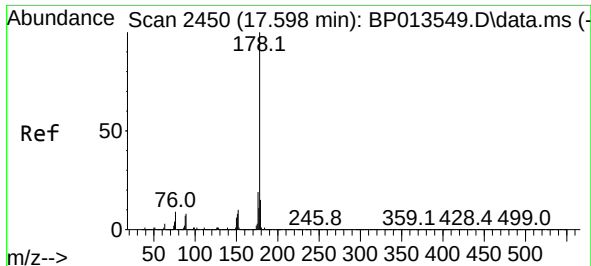
Tgt Ion:188 Resp: 1498405
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.9 8.2 12.2



#70
Pentachlorophenol
Concen: 5.584 ng
RT: 17.187 min Scan# 2380
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:266 Resp: 3268
Ion Ratio Lower Upper
266 100
268 79.2 50.7 76.1#
264 54.9 48.9 73.3

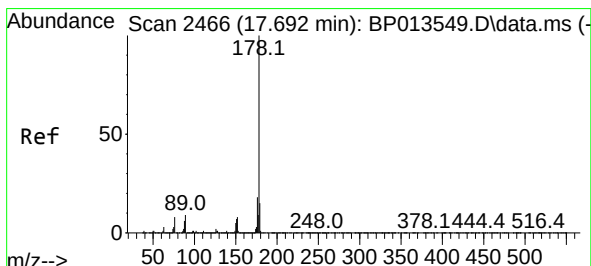
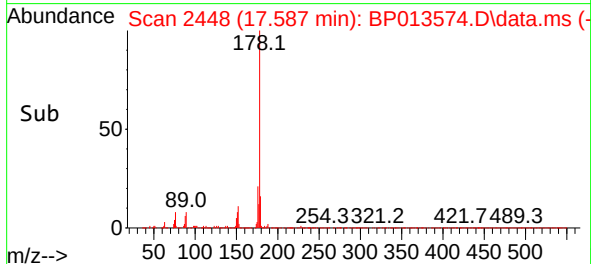
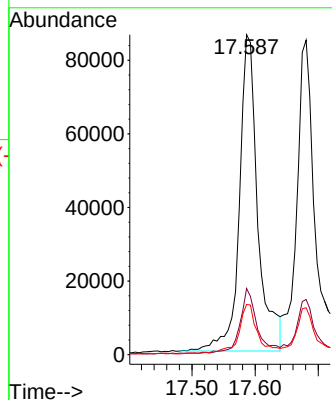
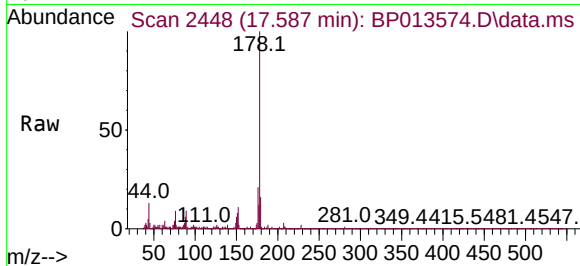




#71
Phenanthrene
Concen: 2.098 ng
RT: 17.587 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

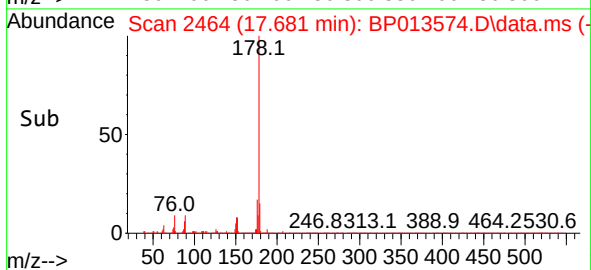
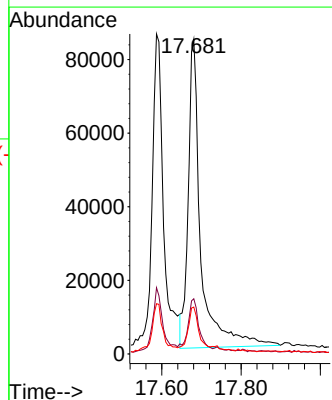
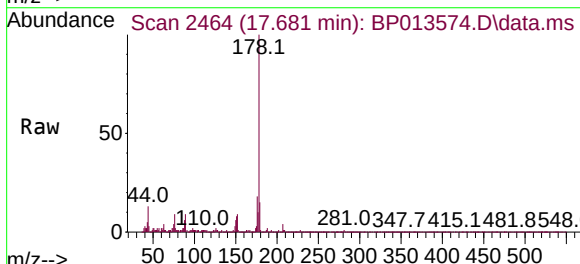
Instrument :
BNA_P
ClientSampleId :
MH-9

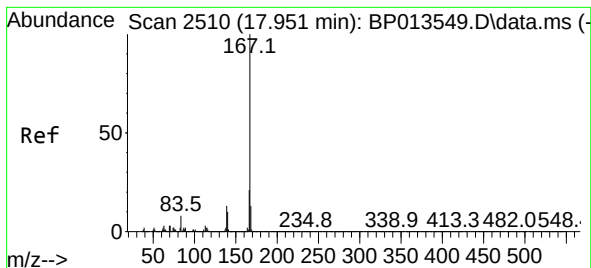
Tgt Ion:178 Resp: 174929
Ion Ratio Lower Upper
178 100
176 20.7 15.5 23.3
179 15.7 12.2 18.4



#72
Anthracene
Concen: 2.195 ng
RT: 17.681 min Scan# 2464
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:178 Resp: 185730
Ion Ratio Lower Upper
178 100
176 17.5 14.6 22.0
179 14.9 12.3 18.5





#73

Carbazole

Concen: 7.032 ng

RT: 17.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

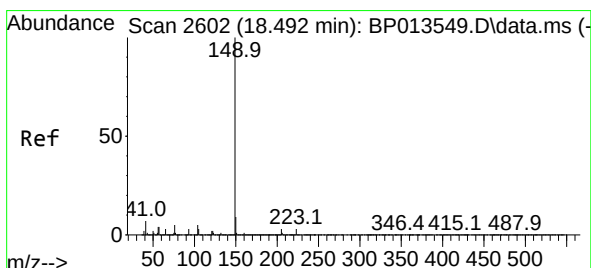
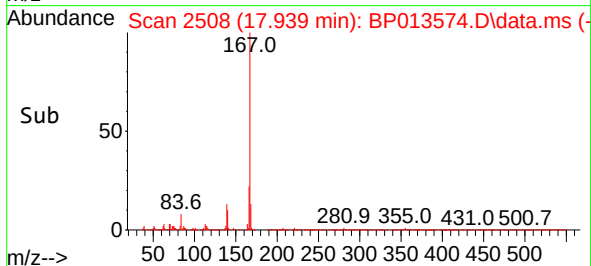
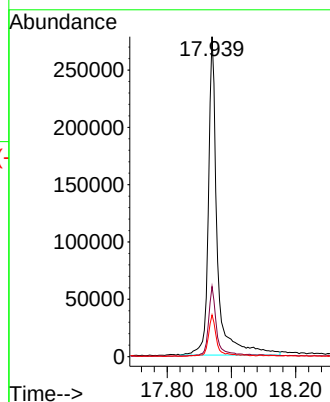
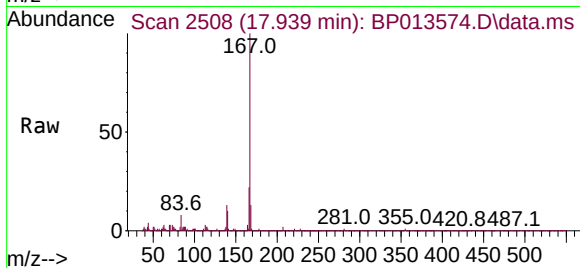
Tgt Ion:167 Resp: 534699

Ion Ratio Lower Upper

167 100

166 21.9 17.2 25.8

139 13.0 10.3 15.5



#74

Di-n-butylphthalate

Concen: 11.375 ng

RT: 18.481 min Scan# 2600

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

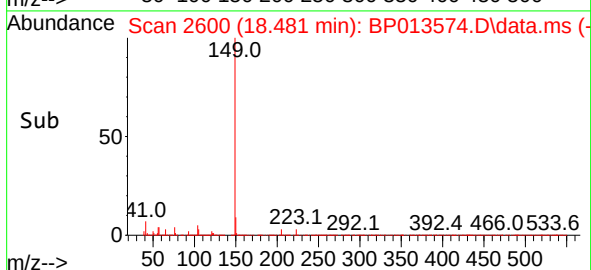
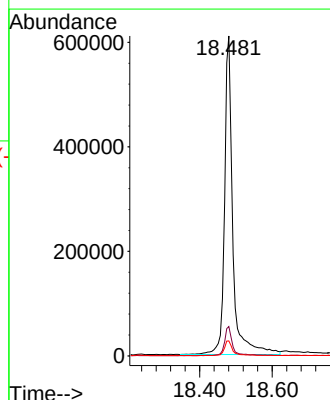
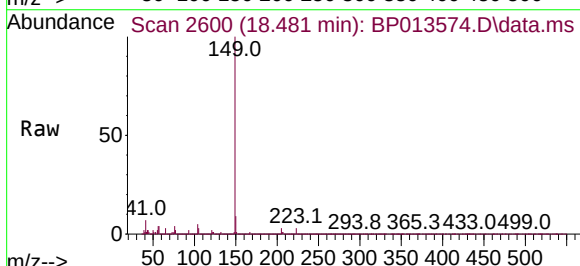
Tgt Ion:149 Resp: 962672

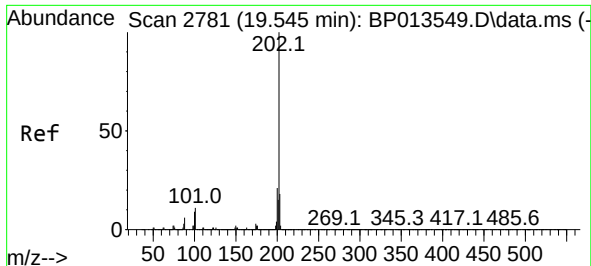
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 4.7 3.9 5.9

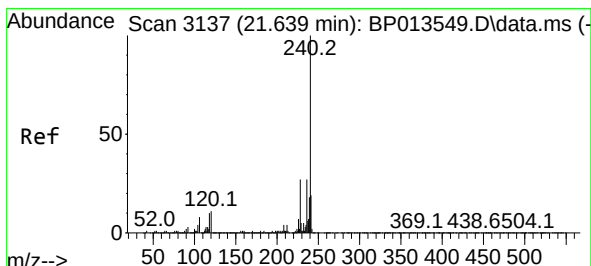
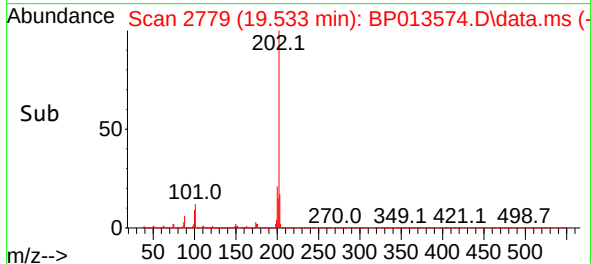
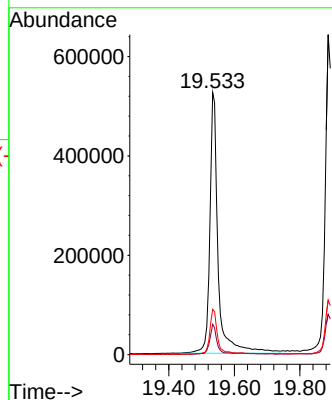
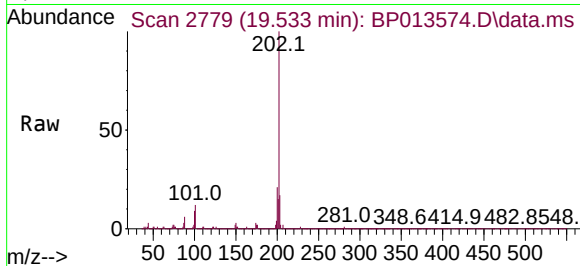




#75
Fluoranthene
Concen: 10.382 ng
RT: 19.533 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

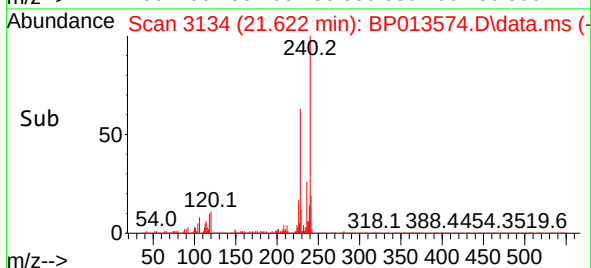
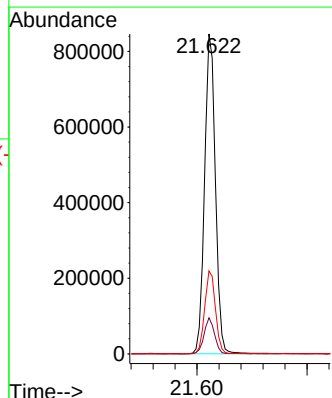
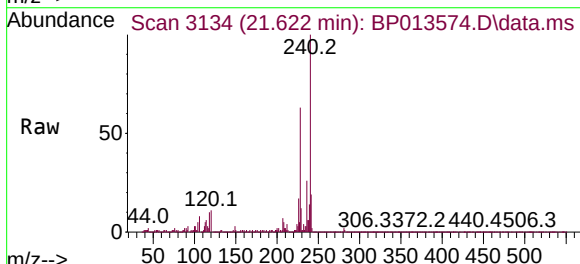
Instrument :
BNA_P
ClientSampleId :
MH-9

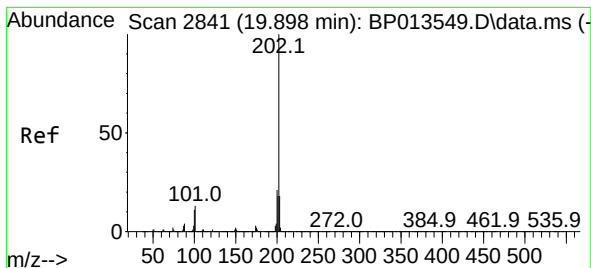
Tgt Ion:202 Resp: 920411
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 17.2 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:240 Resp: 1153069
Ion Ratio Lower Upper
240 100
120 11.3 8.6 13.0
236 25.9 21.3 31.9





#78

Pyrene

Concen: 12.073 ng

RT: 19.886 min Scan# 2839

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

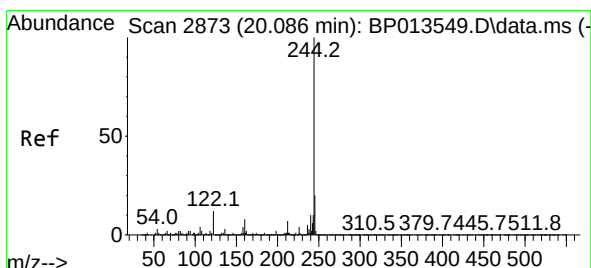
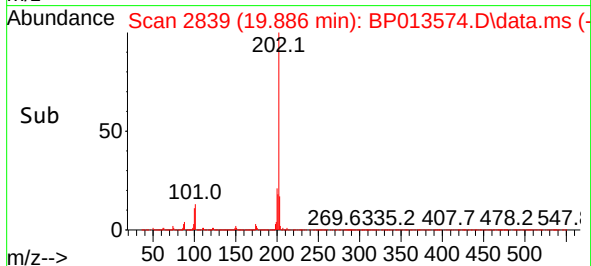
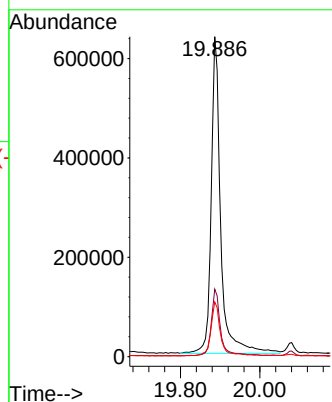
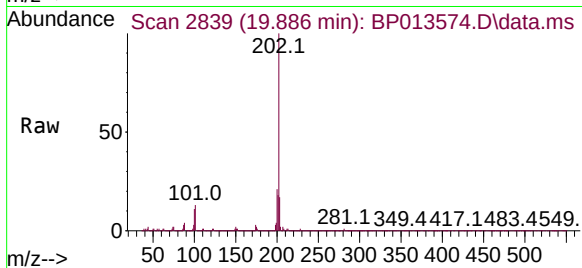
Tgt Ion:202 Resp: 1064467

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.6

203 17.1 14.2 21.2



#79

Terphenyl-d14

Concen: 104.737 ng

RT: 20.081 min Scan# 2872

Delta R.T. -0.000 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

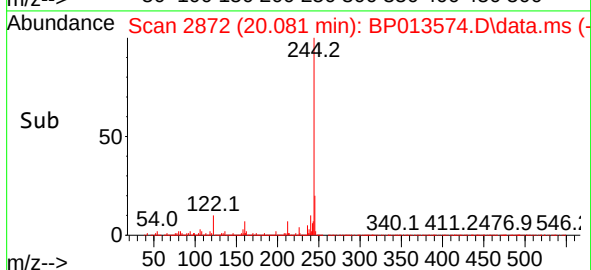
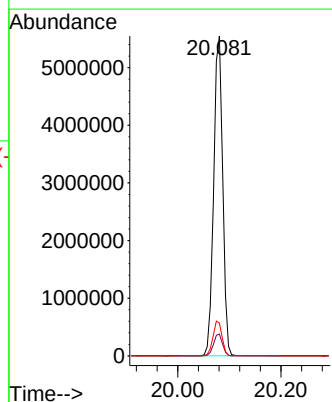
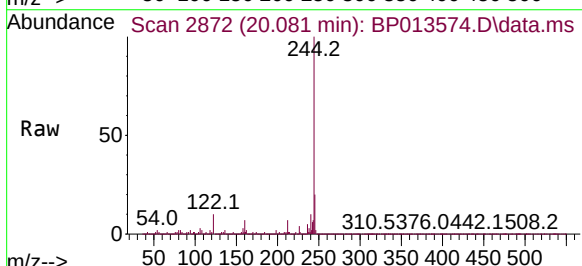
Tgt Ion:244 Resp: 6713143

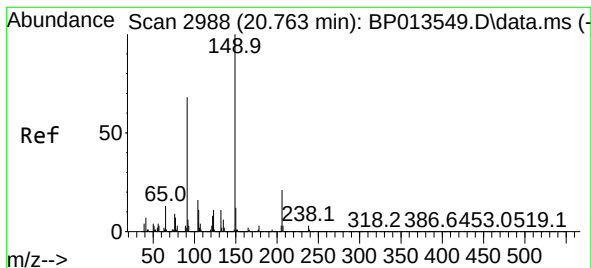
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.3 9.2 13.8





#80

Butylbenzylphthalate

Concen: 74.530 ng

RT: 20.751 min Scan# 29

Delta R.T. -0.000 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

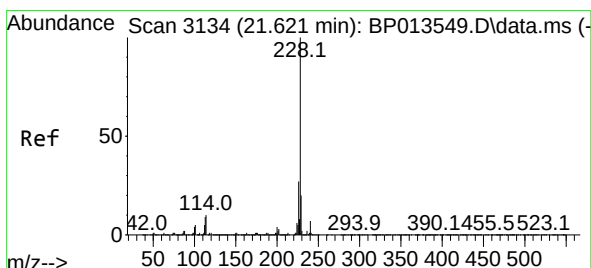
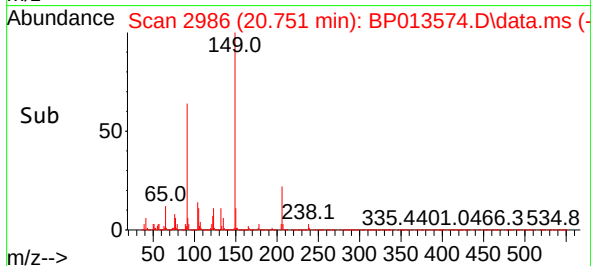
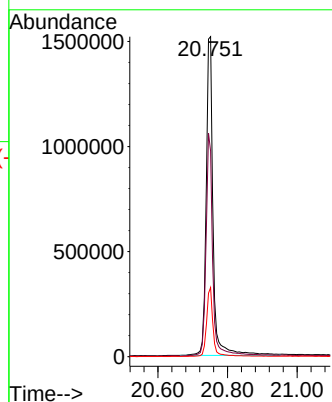
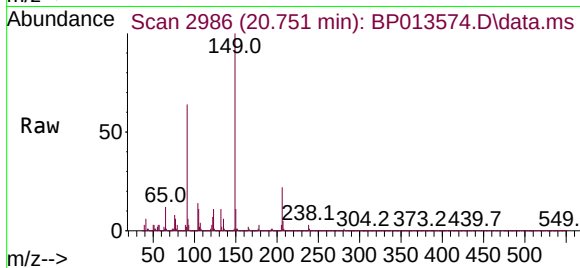
Tgt Ion:149 Resp: 2092177

Ion Ratio Lower Upper

149 100

91 64.2 54.6 81.8

206 21.6 16.7 25.1



#81

Benzo(a)anthracene

Concen: 29.721 ng

RT: 21.610 min Scan# 3132

Delta R.T. -0.000 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

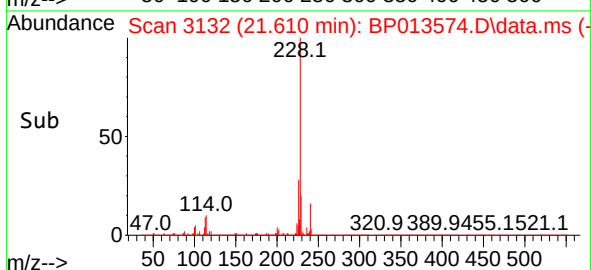
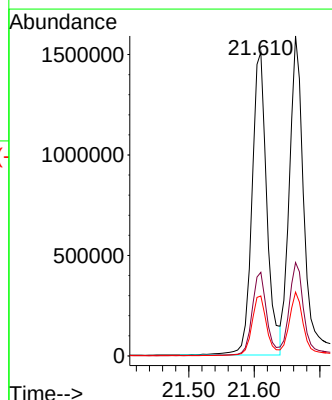
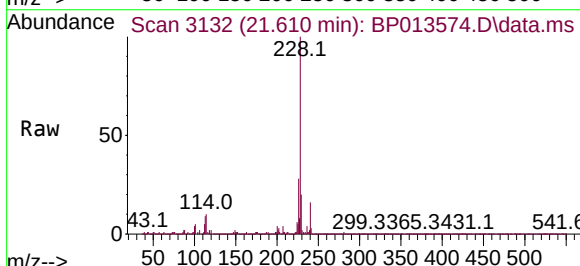
Tgt Ion:228 Resp: 2387520

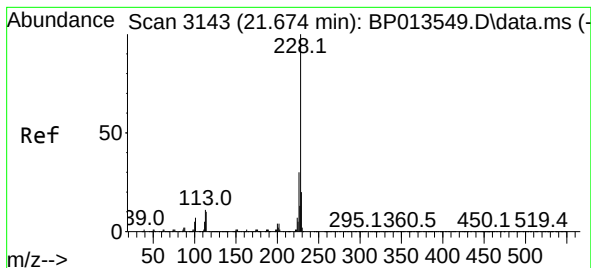
Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.8

229 19.7 15.8 23.6





#83

Chrysene

Concen: 32.586 ng

RT: 21.663 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

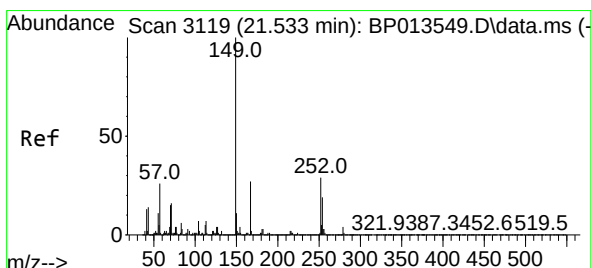
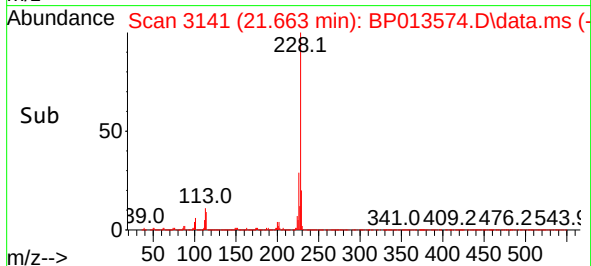
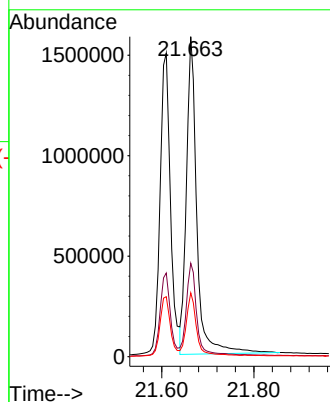
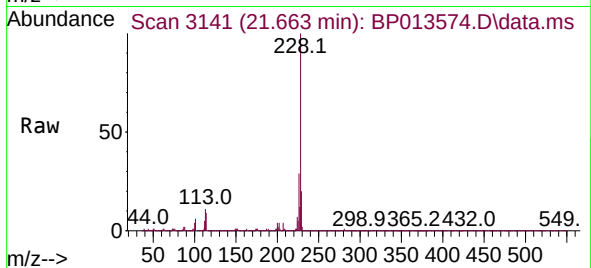
Tgt Ion:228 Resp: 2503635

Ion Ratio Lower Upper

228 100

226 29.2 24.1 36.1

229 19.9 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.784 ng

RT: 21.516 min Scan# 3116

Delta R.T. -0.000 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

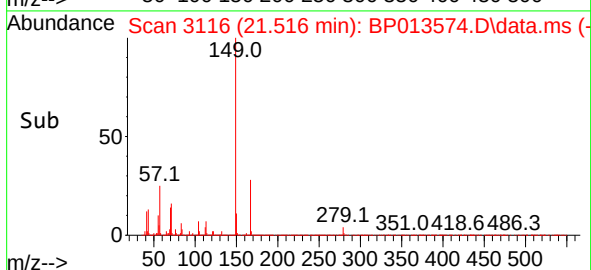
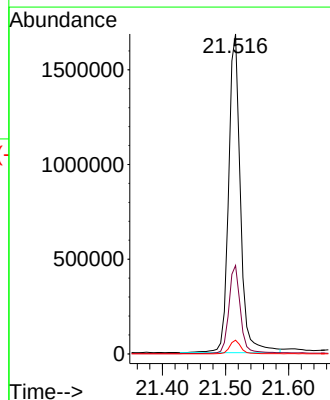
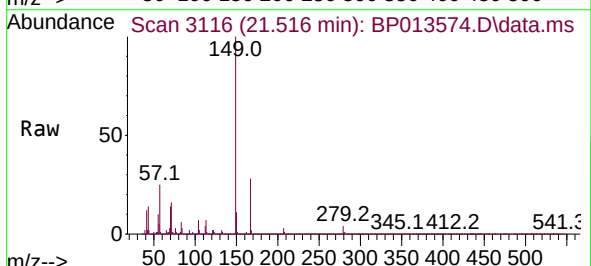
Tgt Ion:149 Resp: 2191677

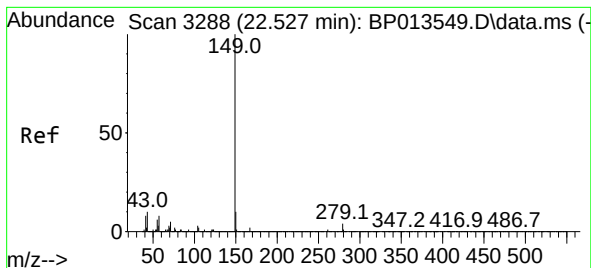
Ion Ratio Lower Upper

149 100

167 27.7 22.0 33.0

279 4.3 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 9.584 ng

RT: 22.504 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

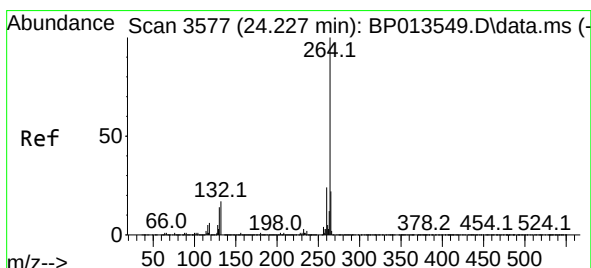
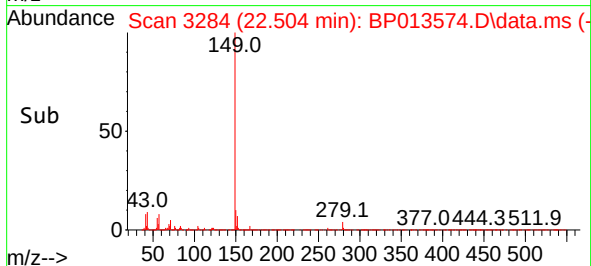
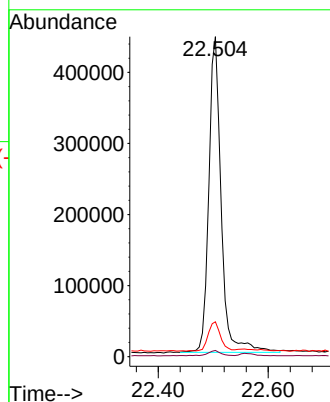
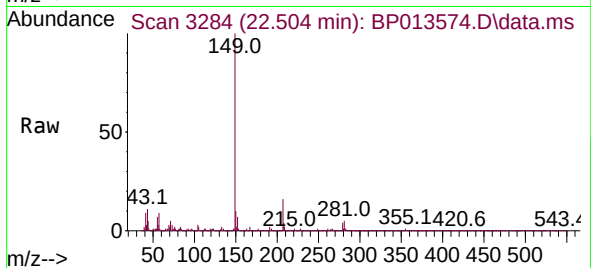
Tgt Ion:149 Resp: 694155

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8

43 9.2 8.2 12.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.210 min Scan# 3574

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

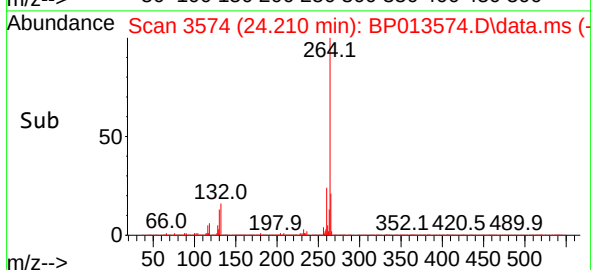
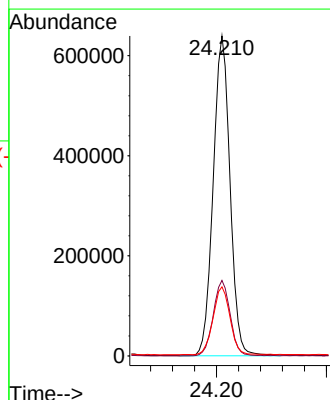
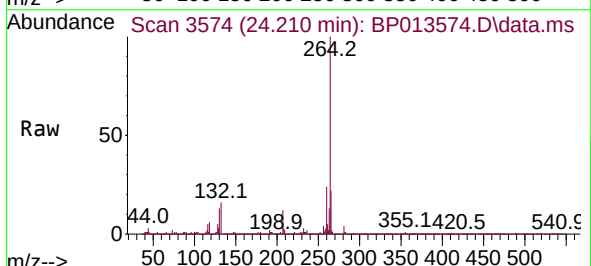
Tgt Ion:264 Resp: 1358530

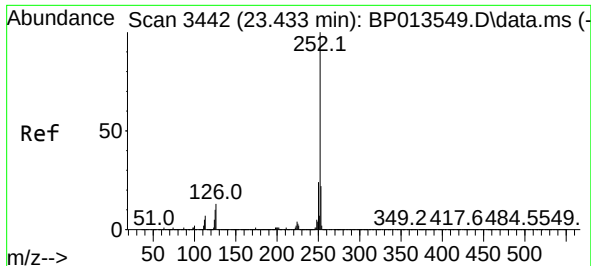
Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.6 17.4 26.2

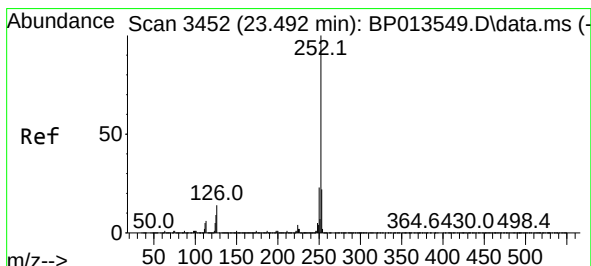
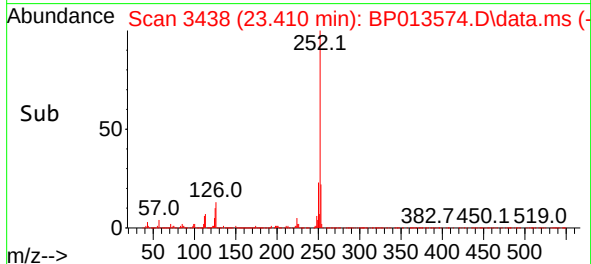
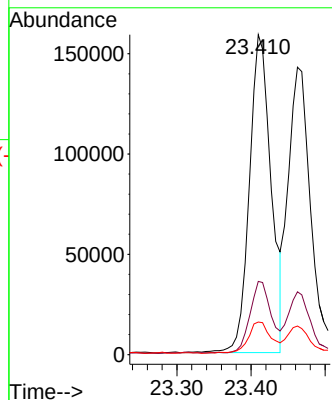
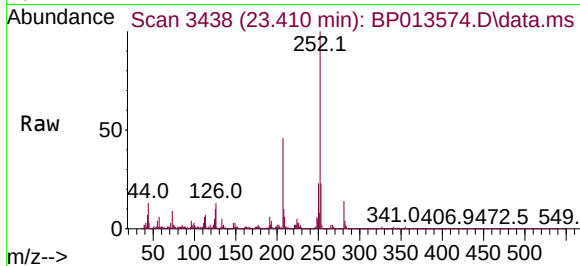




#88
Benzo(b)fluoranthene
Concen: 3.866 ng
RT: 23.410 min Scan# 3442
Delta R.T. -0.012 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Instrument :
BNA_P
ClientSampleId :
MH-9

Tgt Ion:252 Resp: 323101
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.2 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 3.460 ng
RT: 23.463 min Scan# 3447
Delta R.T. -0.012 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:252 Resp: 294975
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 10.0 7.5 11.3

