

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
 Data File : BP013578.D
 Acq On : 24 Jan 2023 19:19
 Operator : CG/JU
 Sample : 01190-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PE-3

Quant Time: Jan 25 03:51:19 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)

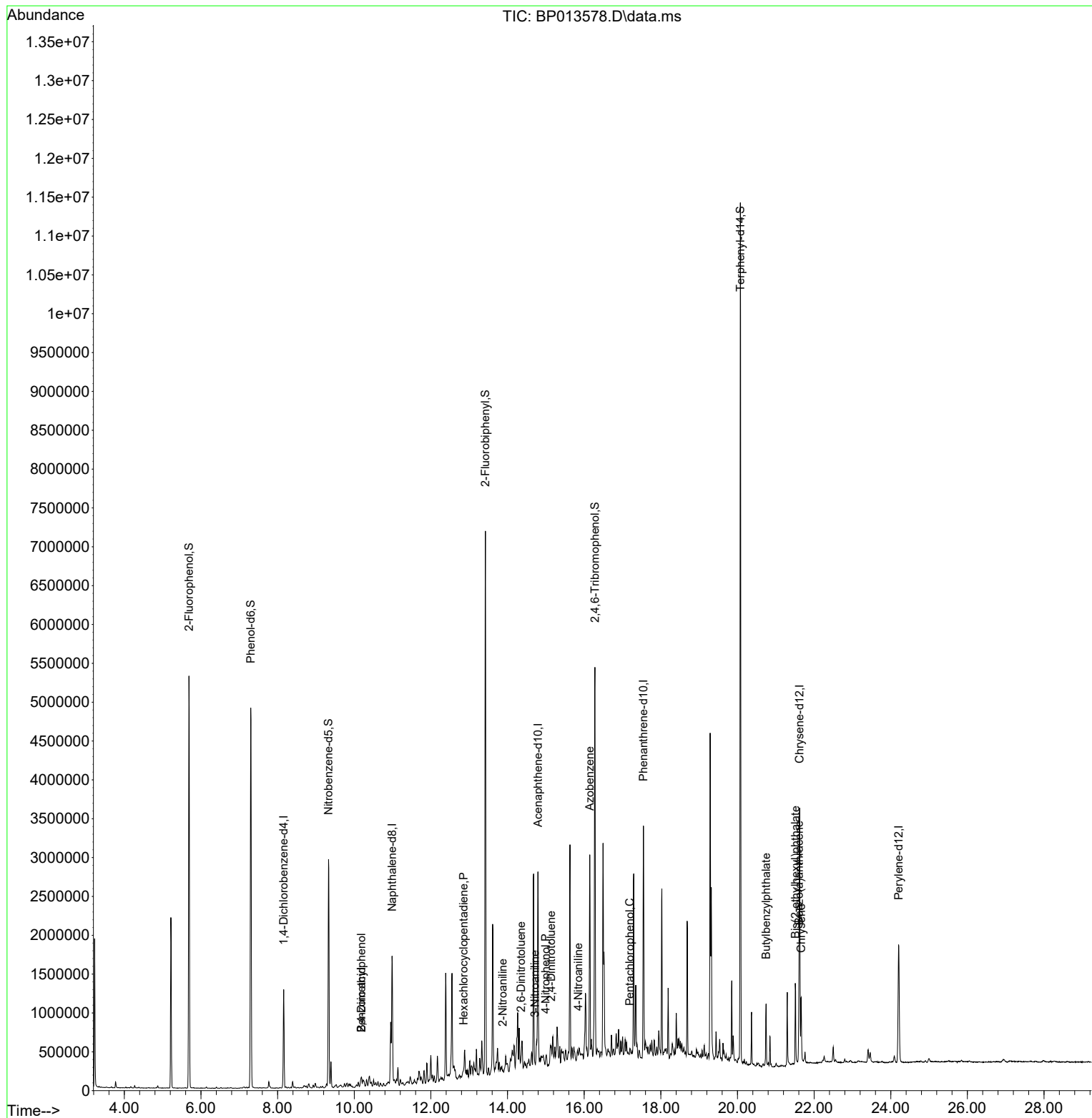
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	351625	20.000	ng	0.00
21) Naphthalene-d8	10.987	136	1417479	20.000	ng	0.00
39) Acenaphthene-d10	14.793	164	813759	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	1716676	20.000	ng	0.00
76) Chrysene-d12	21.622	240	1450324	20.000	ng	0.00
86) Perylene-d12	24.204	264	1239302	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	2340758	114.058	ng	0.00
7) Phenol-d6	7.299	99	2985094	108.074	ng	0.00
23) Nitrobenzene-d5	9.328	82	1643956	76.564	ng	0.00
42) 2,4,6-Tribromophenol	16.281	330	1010985	123.859	ng	0.00
45) 2-Fluorobiphenyl	13.422	172	3598380	60.698	ng	0.00
79) Terphenyl-d14	20.075	244	5219254	64.740	ng	0.00
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	10.187	122	46506	2.115	ng	# 7
32) Benzoic acid	10.187	122	46506	8.711	ng	94
41) Hexachlorocyclopentadiene	12.851	237	23	3.905	ng	81
48) 2-Nitroaniline	13.875	65	983	6.287	ng	# 61
51) 2,6-Dinitrotoluene	14.351	165	2680	5.366	ng	# 71
53) 3-Nitroaniline	14.710	138	2232	5.554	ng	# 64
54) 2,4-Dinitrophenol	14.875	184	340	Below Cal		# 1
56) 4-Nitrophenol	14.993	139	5618	5.705	ng	# 42
57) 2,4-Dinitrotoluene	15.140	165	3316	5.405	ng	# 84
62) 4-Nitroaniline	15.845	138	4256	3.967	ng	# 29
63) Azobenzene	16.145	77	673047	11.724	ng	# 1
70) Pentachlorophenol	17.186	266	976	5.395	ng	94
80) Butylbenzylphthalate	20.745	149	262354	7.430	ng	97
81) Benzo(a)anthracene	21.604	228	483373	4.784	ng	99
83) Chrysene	21.663	228	573363	5.933	ng	100
84) Bis(2-ethylhexyl)phtha...	21.510	149	417095	7.381	ng	98

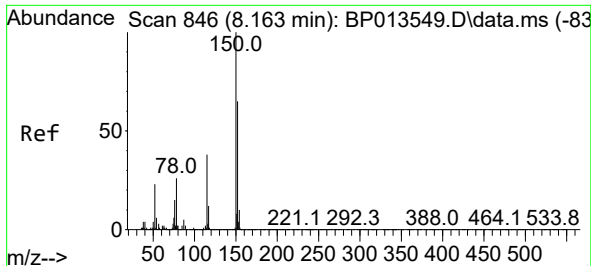
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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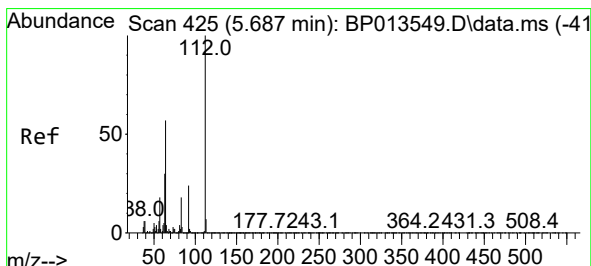
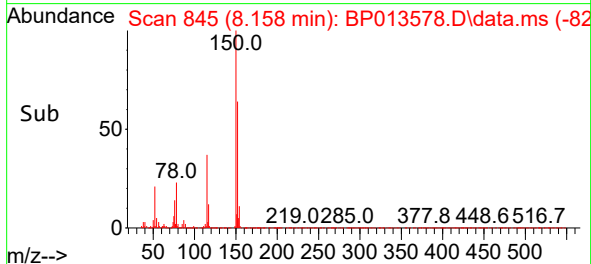
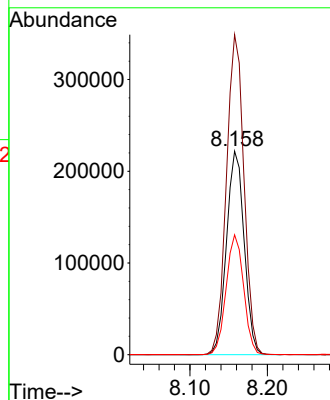
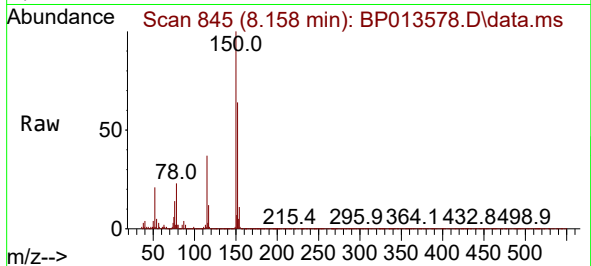




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.158 min Scan# 846
Delta R.T. -0.006 min
Lab File: BP013578.D
Acq: 24 Jan 2023 19:19

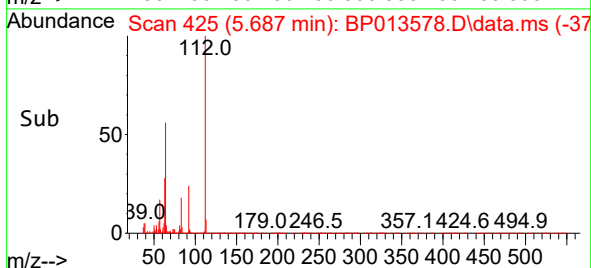
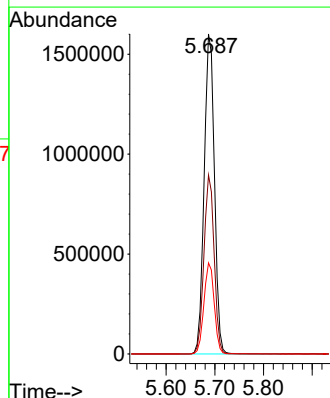
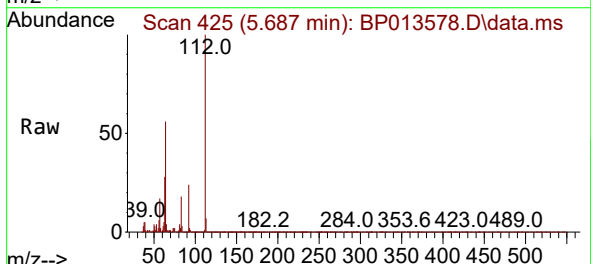
Instrument :
BNA_P
ClientSampleId :
PE-3

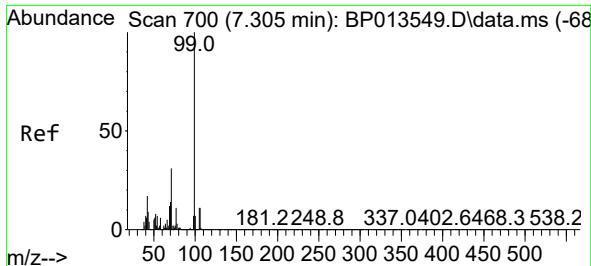
Tgt Ion:152 Resp: 351625
Ion Ratio Lower Upper
152 100
150 157.3 122.4 183.6
115 58.9 46.1 69.1



#5
2-Fluorophenol
Concen: 114.058 ng
RT: 5.687 min Scan# 425
Delta R.T. -0.000 min
Lab File: BP013578.D
Acq: 24 Jan 2023 19:19

Tgt Ion:112 Resp: 2340758
Ion Ratio Lower Upper
112 100
64 55.9 45.4 68.0
63 28.5 24.1 36.1



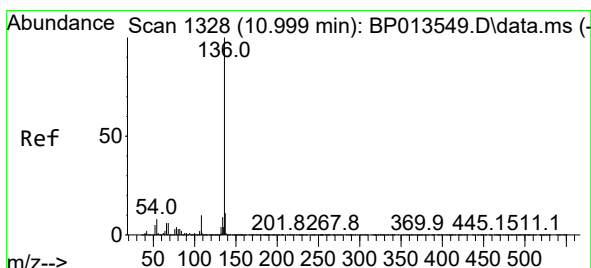
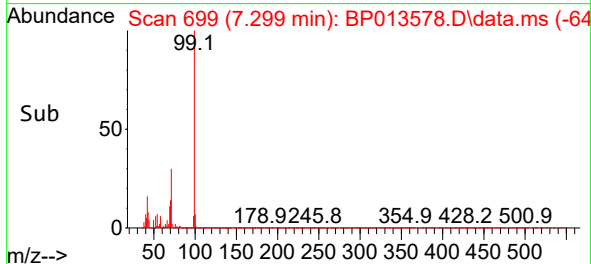
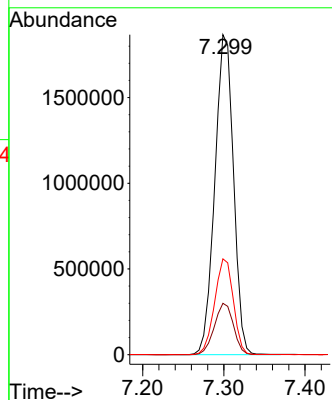
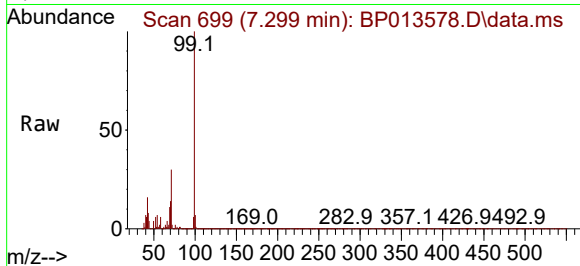


#7
Phenol-d6
Concen: 108.074 ng
RT: 7.299 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP013578.D
Acq: 24 Jan 2023 19:19

Instrument :
BNA_P
ClientSampleId :
PE-3

Tgt Ion: 99 Resp: 2985094

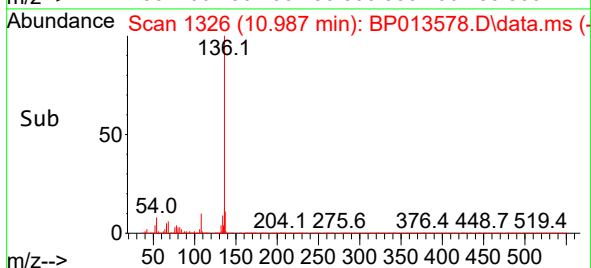
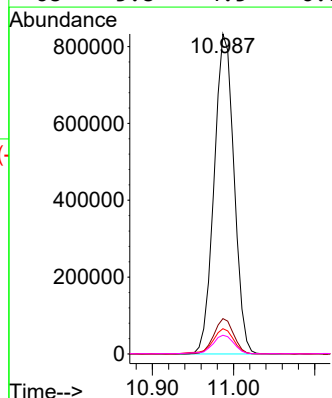
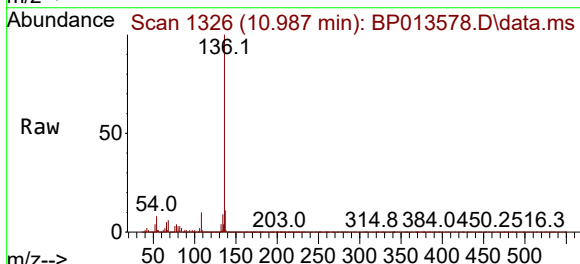
Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.0	21.0
71	29.9	24.7	37.1

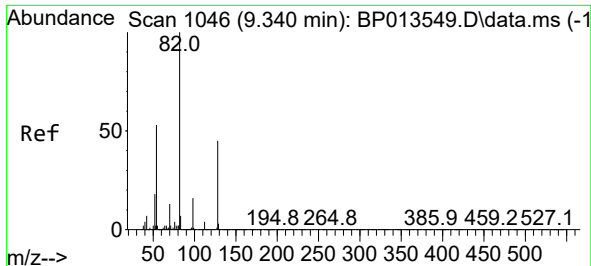


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.987 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP013578.D
Acq: 24 Jan 2023 19:19

Tgt Ion: 136 Resp: 1417479

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.9	6.6	9.8
68	5.8	4.5	6.7

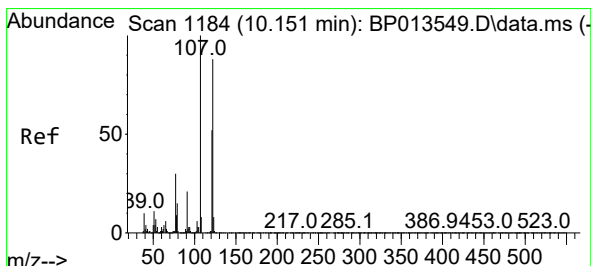
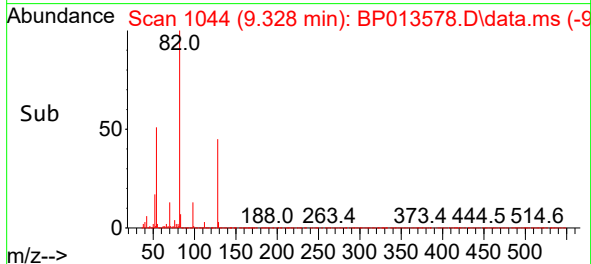
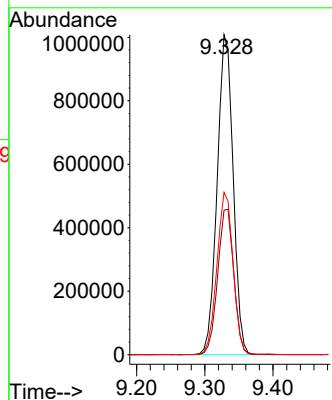
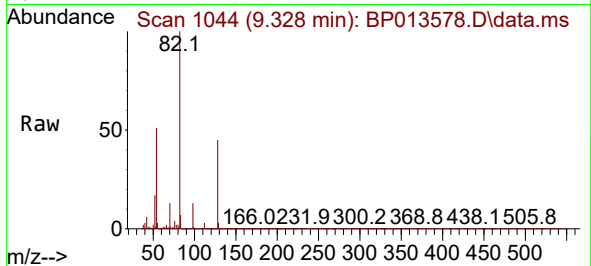




#23
Nitrobenzene-d5
Concen: 76.564 ng
RT: 9.328 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BP013578.D
Acq: 24 Jan 2023 19:19

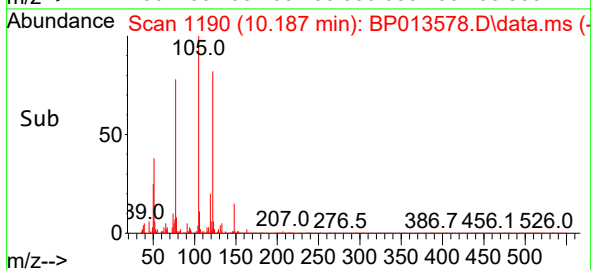
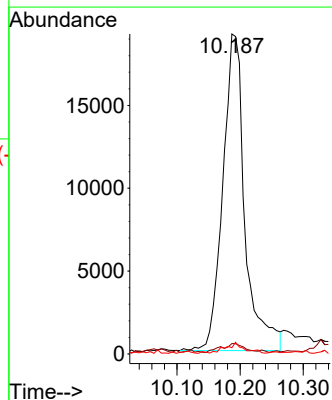
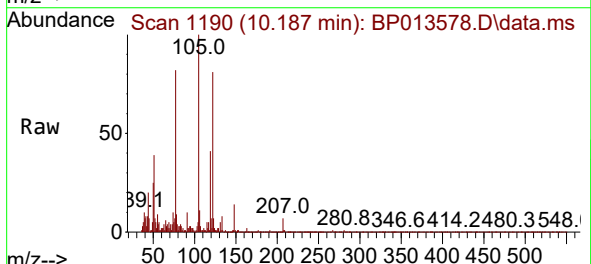
Instrument :
BNA_P
ClientSampleId :
PE-3

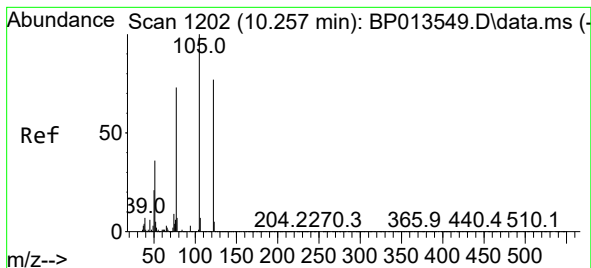
Tgt Ion: 82 Resp: 1643956
Ion Ratio Lower Upper
82 100
128 45.2 35.8 53.6
54 50.7 42.6 64.0



#27
2,4-Dimethylphenol
Concen: 2.115 ng
RT: 10.187 min Scan# 1190
Delta R.T. 0.041 min
Lab File: BP013578.D
Acq: 24 Jan 2023 19:19

Tgt Ion:122 Resp: 46506
Ion Ratio Lower Upper
122 100
107 3.3 90.7 136.1#
121 2.0 47.0 70.4#





#32

Benzoic acid

Concen: 8.711 ng

RT: 10.187 min Scan# 11

Delta R.T. -0.082 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

Instrument :

BNA_P

ClientSampleId :

PE-3

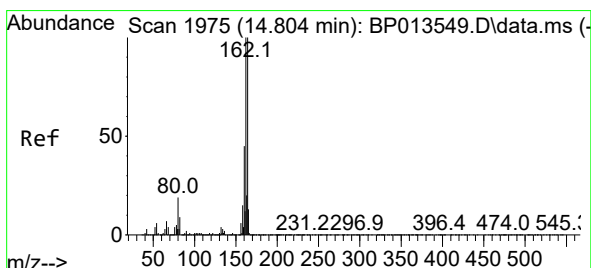
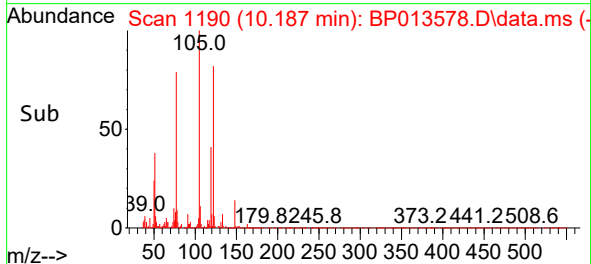
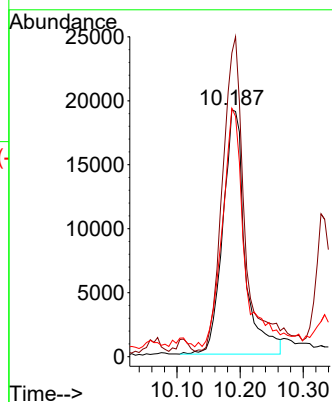
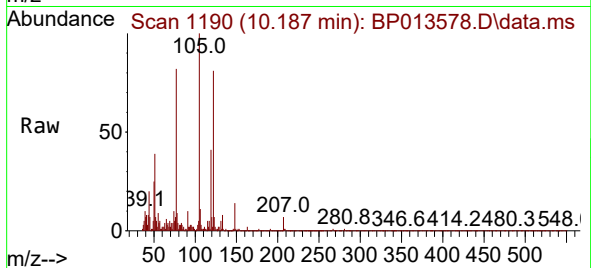
Tgt Ion:122 Resp: 46506

Ion Ratio Lower Upper

122 100

105 122.9 100.5 140.5

77 100.5 70.9 110.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.793 min Scan# 1973

Delta R.T. -0.006 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

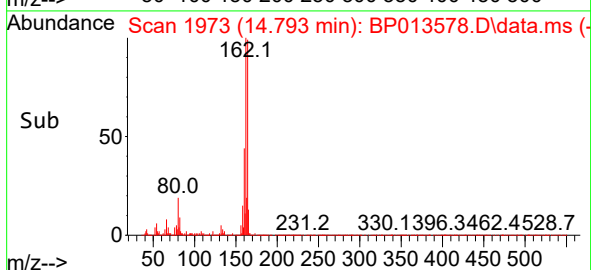
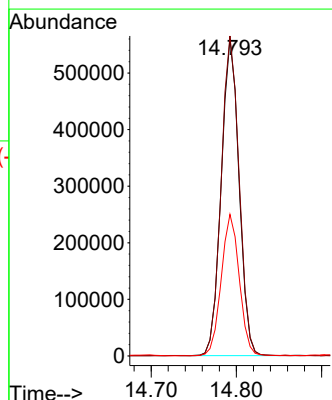
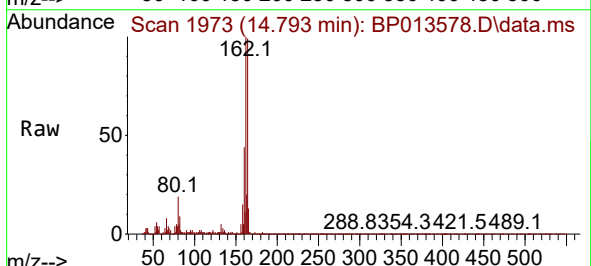
Tgt Ion:164 Resp: 813759

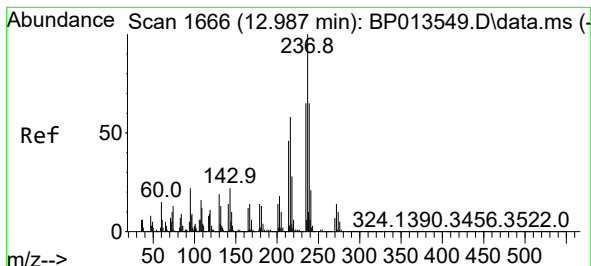
Ion Ratio Lower Upper

164 100

162 100.8 80.1 120.1

160 44.6 35.9 53.9





#41

Hexachlorocyclopentadiene

Concen: 3.905 ng

RT: 12.851 min Scan# 1

Delta R.T. -0.130 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

Instrument :

BNA_P

ClientSampleId :

PE-3

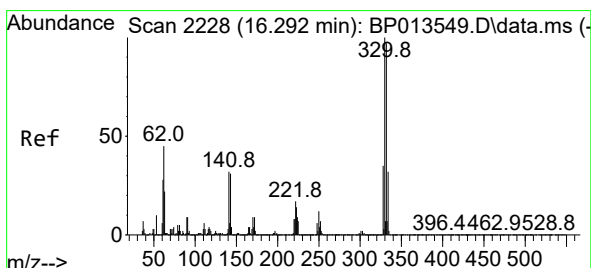
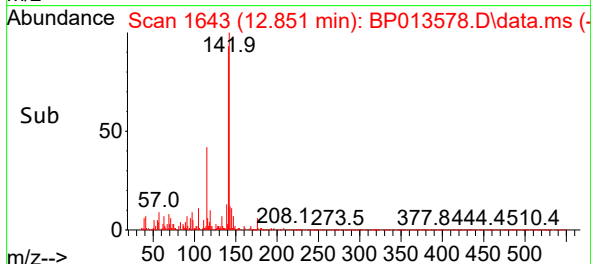
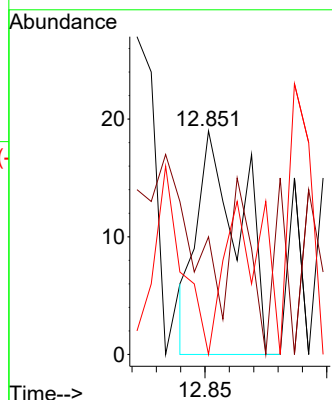
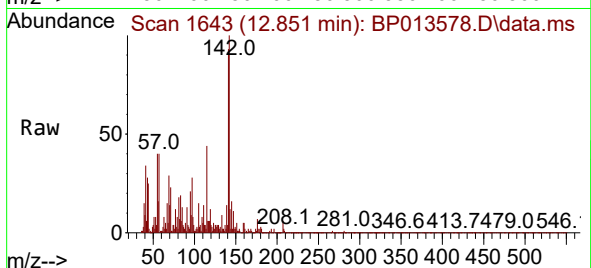
Tgt Ion:237 Resp: 23

Ion Ratio Lower Upper

237 100

235 52.6 44.6 84.6

272 0.0 0.0 33.9



#42

2,4,6-Tribromophenol

Concen: 123.859 ng

RT: 16.281 min Scan# 2226

Delta R.T. -0.006 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

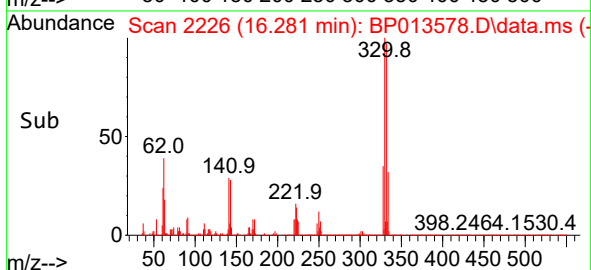
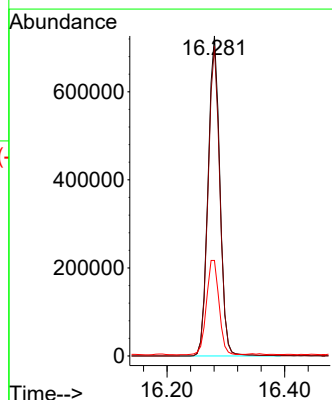
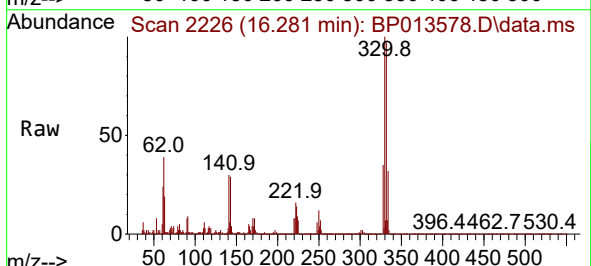
Tgt Ion:330 Resp: 1010985

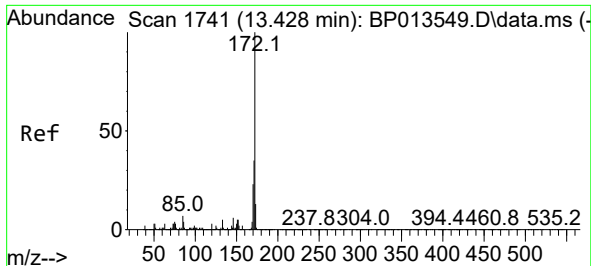
Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

141 31.4 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 60.698 ng

RT: 13.422 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

Instrument :

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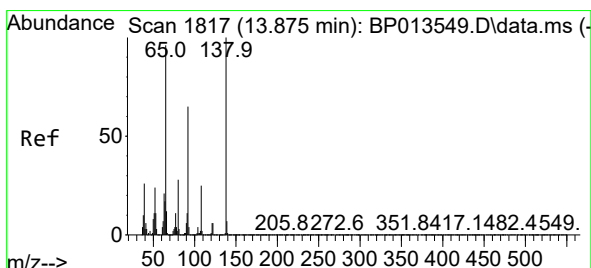
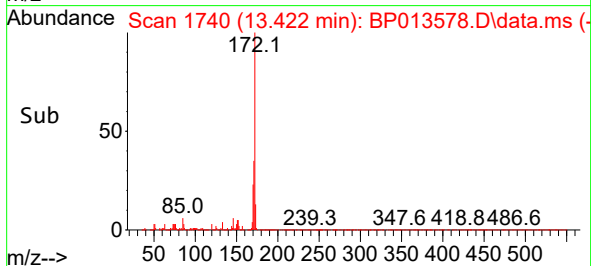
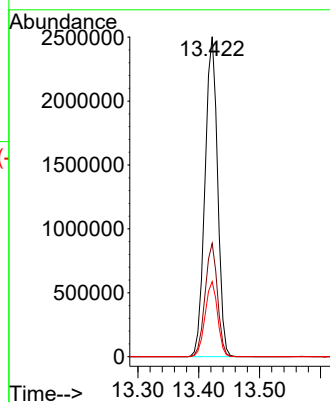
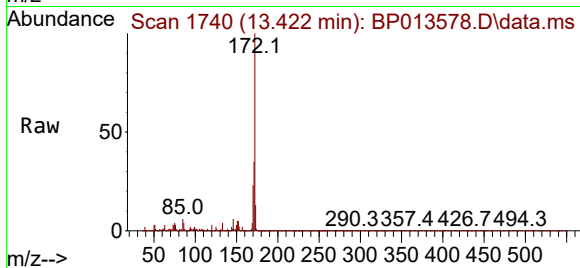
Tgt Ion:172 Resp: 3598380

Ion Ratio Lower Upper

172 100

171 35.4 27.8 41.8

170 23.4 18.6 27.8



#48

2-Nitroaniline

Concen: 6.287 ng

RT: 13.875 min Scan# 1817

Delta R.T. -0.000 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

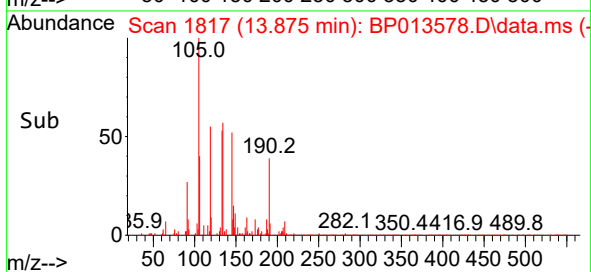
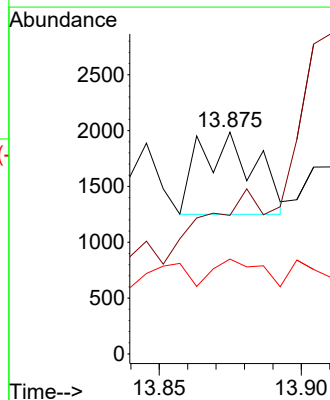
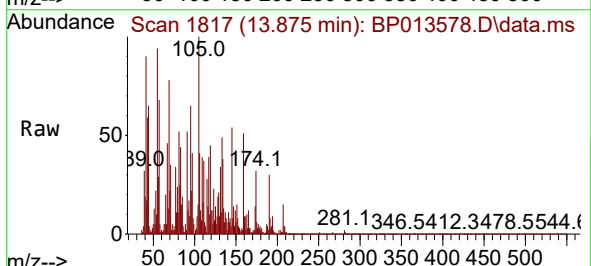
Tgt Ion: 65 Resp: 983

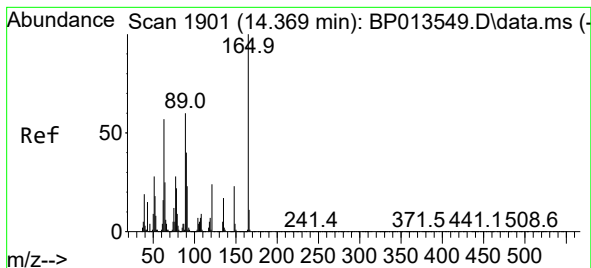
Ion Ratio Lower Upper

65 100

92 62.5 54.1 81.1

138 42.8 83.6 125.4#





#51

2,6-Dinitrotoluene

Concen: 5.366 ng

RT: 14.351 min Scan# 1901

Delta R.T. -0.012 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

Instrument :

BNA_P

ClientSampleId :

PE-3

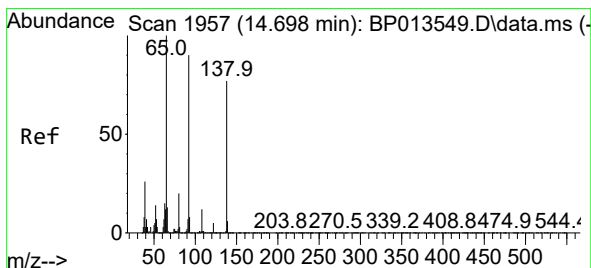
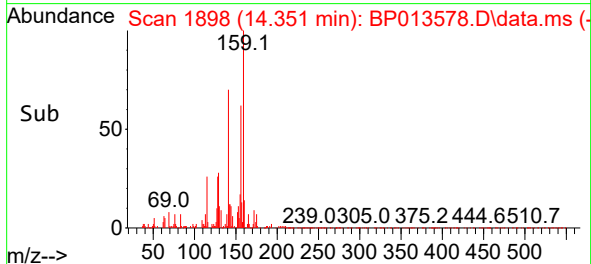
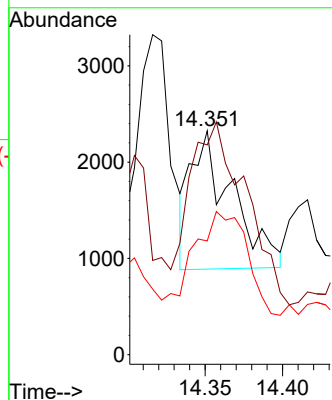
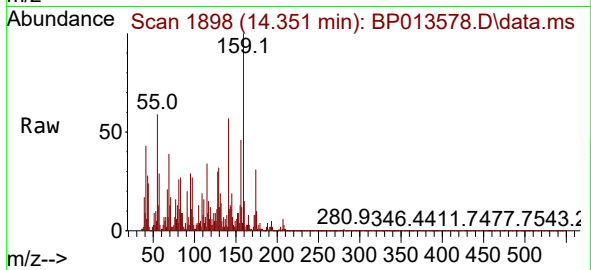
Tgt Ion:165 Resp: 2680

Ion Ratio Lower Upper

165 100

63 93.7 47.2 70.8#

89 50.8 47.8 71.6



#53

3-Nitroaniline

Concen: 5.554 ng

RT: 14.710 min Scan# 1959

Delta R.T. 0.018 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

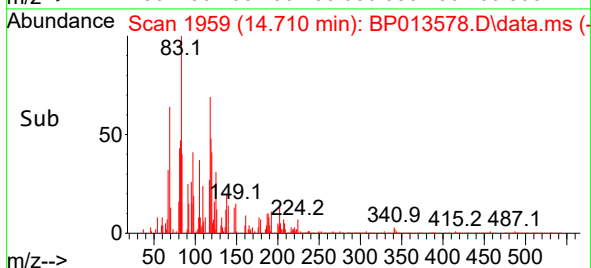
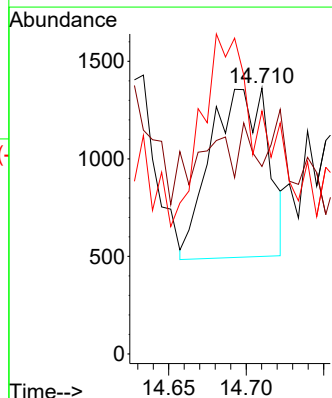
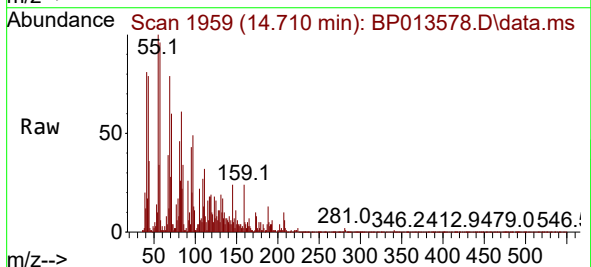
Tgt Ion:138 Resp: 2232

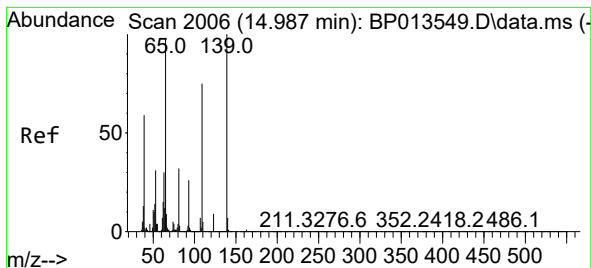
Ion Ratio Lower Upper

138 100

108 70.5 12.8 19.2#

92 91.3 93.3 139.9#





#56

4-Nitrophenol

Concen: 5.705 ng

RT: 14.993 min Scan# 2006

Delta R.T. 0.012 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

Instrument :

BNA_P

ClientSampleId :

PE-3

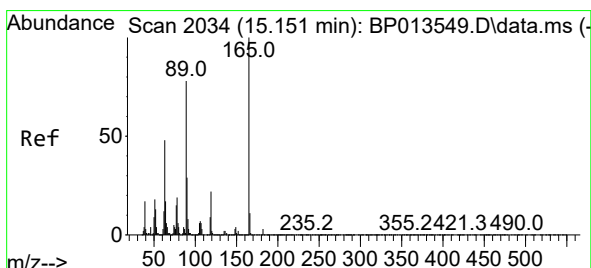
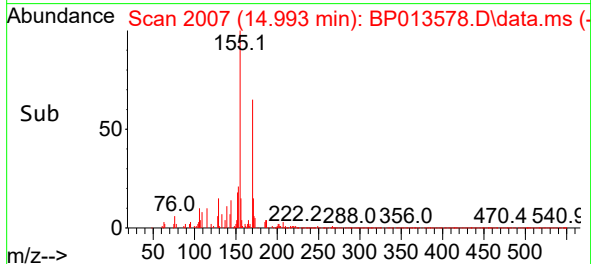
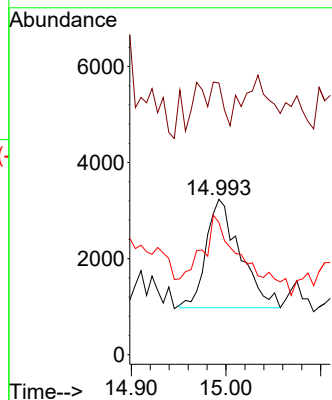
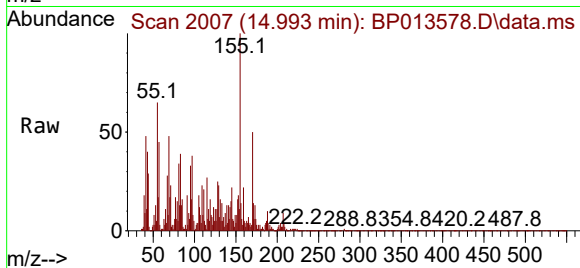
Tgt Ion:139 Resp: 5618

Ion Ratio Lower Upper

139 100

109 174.9 55.0 95.0#

65 85.1 77.7 117.7



#57

2,4-Dinitrotoluene

Concen: 5.405 ng

RT: 15.140 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

Tgt Ion:165 Resp: 3316

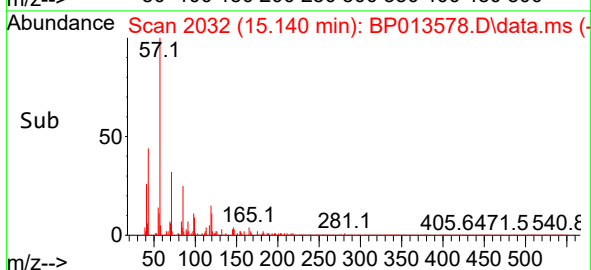
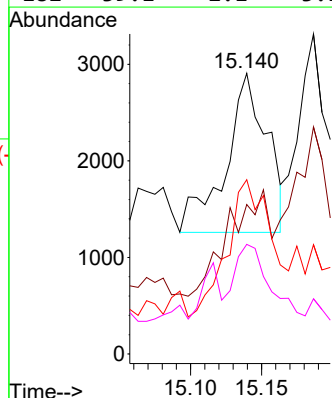
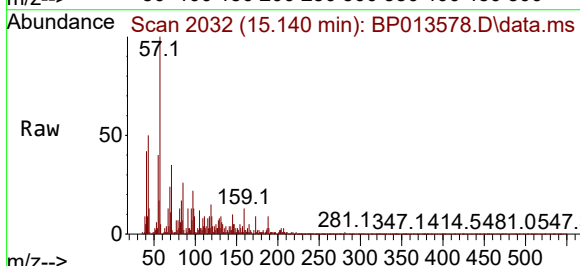
Ion Ratio Lower Upper

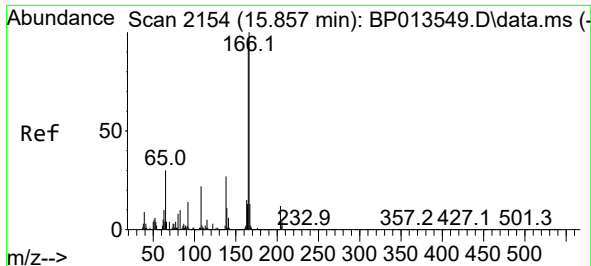
165 100

63 53.3 38.3 57.5

89 62.1 62.1 93.1#

182 39.1 2.1 3.1#

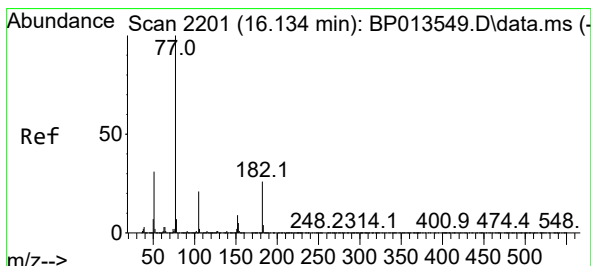
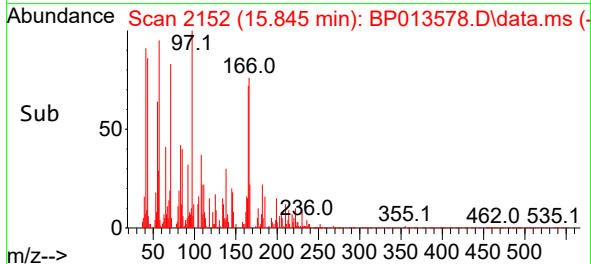
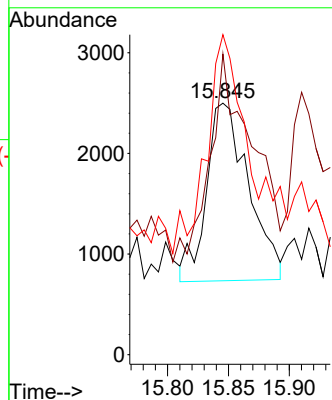
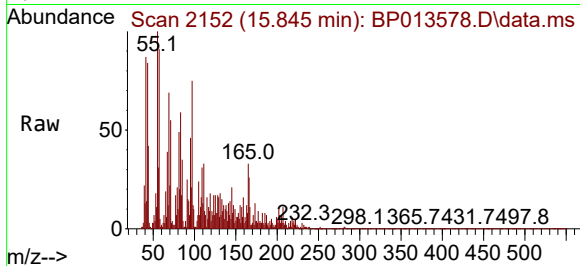




#62
4-Nitroaniline
Concen: 3.967 ng
RT: 15.845 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BP013578.D
Acq: 24 Jan 2023 19:19

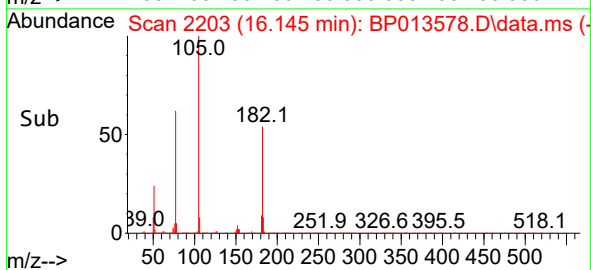
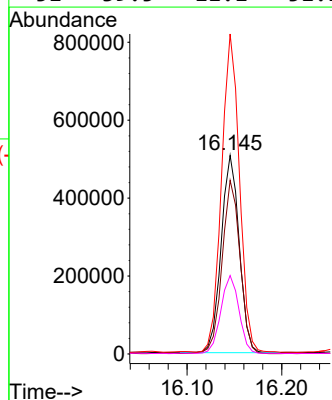
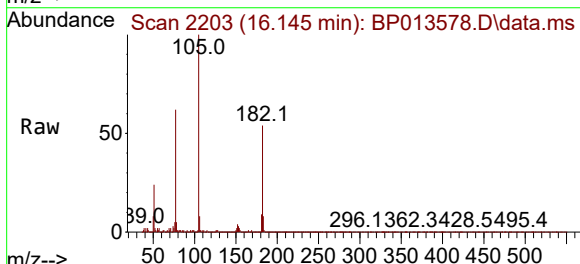
Instrument :
BNA_P
ClientSampleId :
PE-3

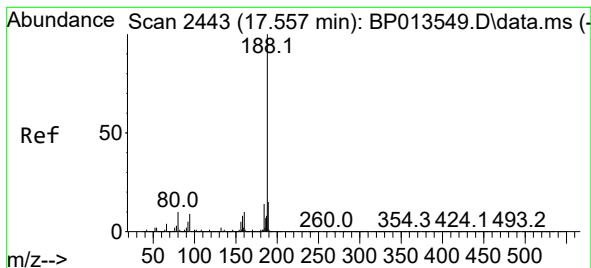
Tgt Ion:138 Resp: 4256
Ion Ratio Lower Upper
138 100
92 119.6 32.3 72.3#
108 127.3 59.2 99.2#



#63
Azobenzene
Concen: 11.724 ng
RT: 16.145 min Scan# 2203
Delta R.T. 0.018 min
Lab File: BP013578.D
Acq: 24 Jan 2023 19:19

Tgt Ion: 77 Resp: 673047
Ion Ratio Lower Upper
77 100
182 87.4 5.5 45.5#
105 161.1 1.4 41.4#
51 39.5 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.545 min Scan# 2443

Delta R.T. -0.006 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

Instrument :

BNA_P

ClientSampleId :

PE-3

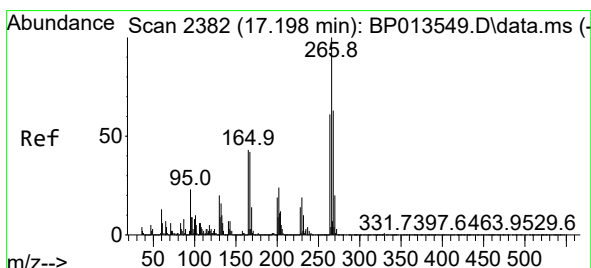
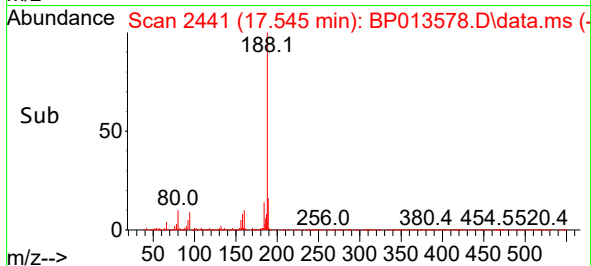
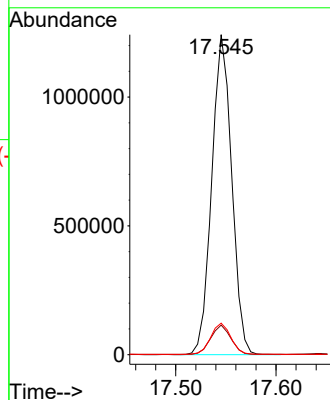
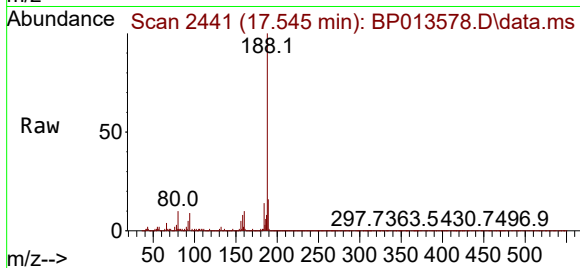
Tgt Ion:188 Resp: 1716676

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

80 9.9 8.2 12.2



#70

Pentachlorophenol

Concen: 5.395 ng

RT: 17.186 min Scan# 2380

Delta R.T. -0.006 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

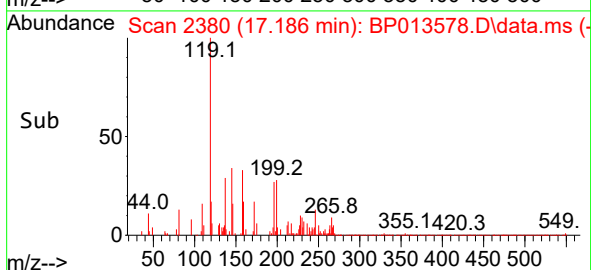
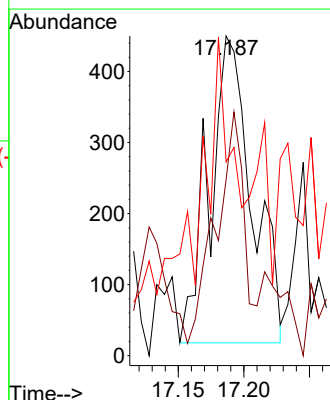
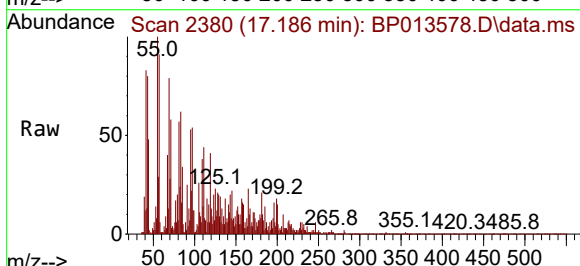
Tgt Ion:266 Resp: 976

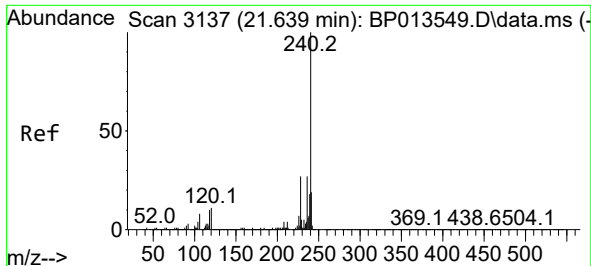
Ion Ratio Lower Upper

266 100

268 55.1 50.7 76.1

264 60.7 48.9 73.3

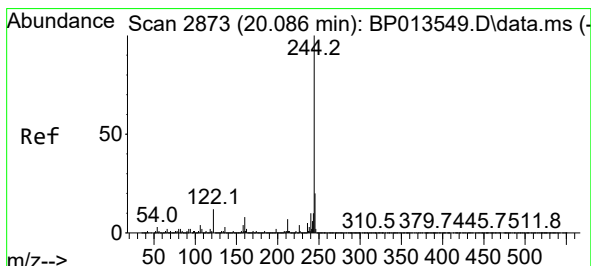
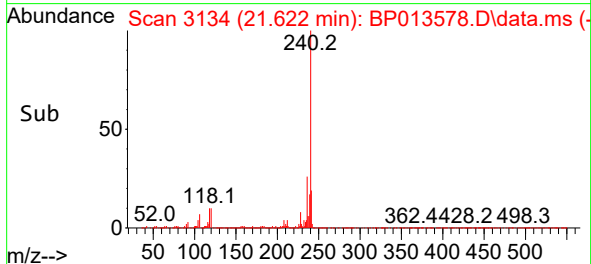
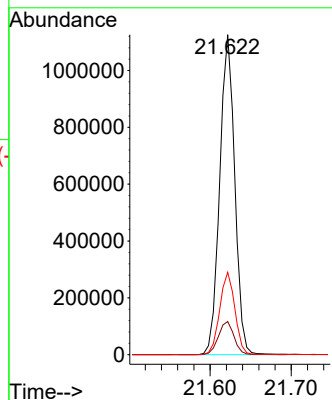
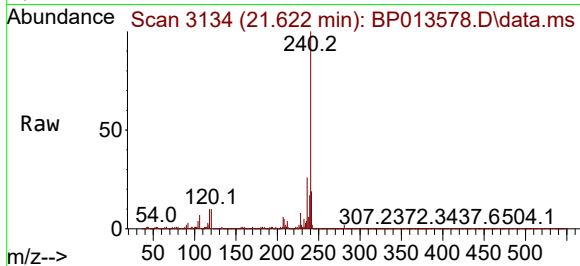




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BP013578.D
Acq: 24 Jan 2023 19:19

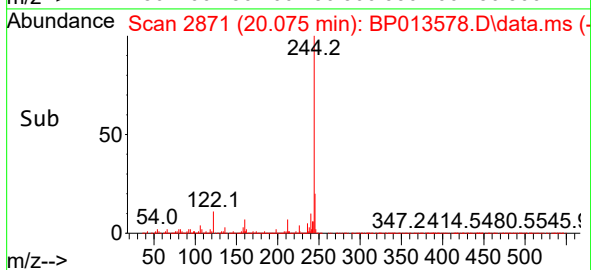
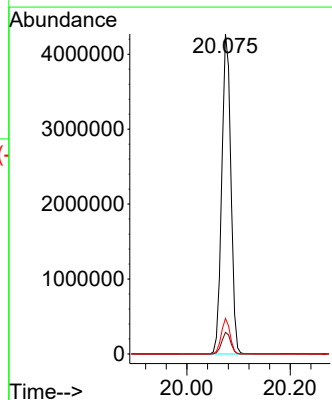
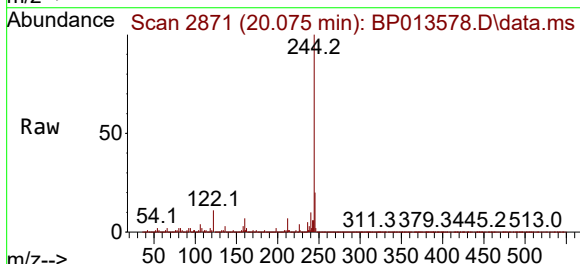
Instrument :
BNA_P
ClientSampleId :
PE-3

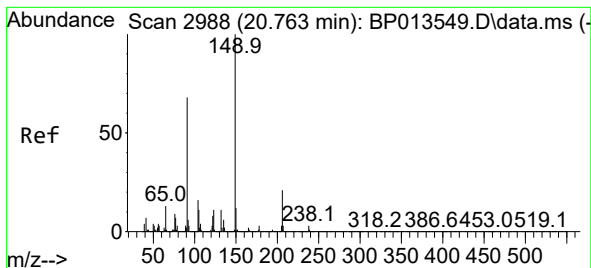
Tgt Ion:240 Resp: 1450324
Ion Ratio Lower Upper
240 100
120 10.4 8.6 13.0
236 25.8 21.3 31.9



#79
Terphenyl-d14
Concen: 64.740 ng
RT: 20.075 min Scan# 2871
Delta R.T. -0.006 min
Lab File: BP013578.D
Acq: 24 Jan 2023 19:19

Tgt Ion:244 Resp: 5219254
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.1 9.2 13.8





#80

Butylbenzylphthalate

Concen: 7.430 ng

RT: 20.745 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

Instrument :

BNA_P

ClientSampleId :

PE-3

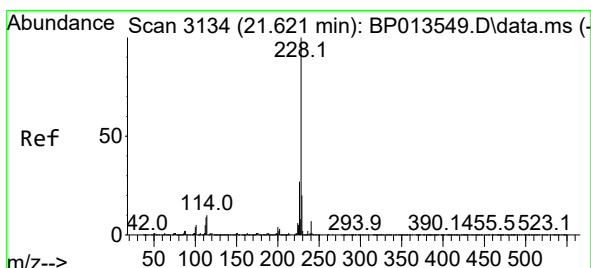
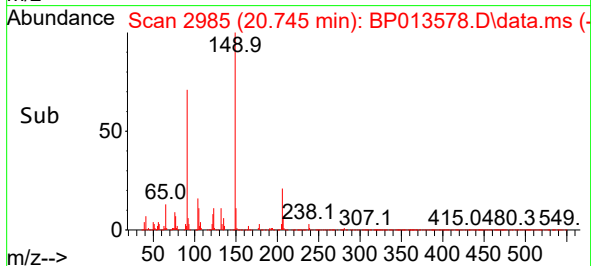
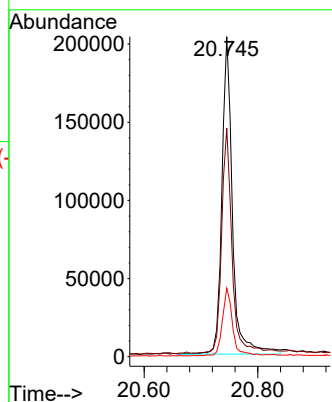
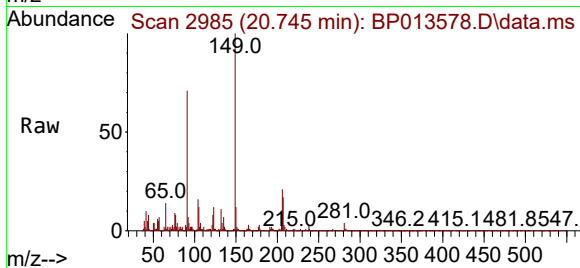
Tgt Ion:149 Resp: 262354

Ion Ratio Lower Upper

149 100

91 71.5 54.6 81.8

206 21.4 16.7 25.1



#81

Benzo(a)anthracene

Concen: 4.784 ng

RT: 21.604 min Scan# 3131

Delta R.T. -0.006 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

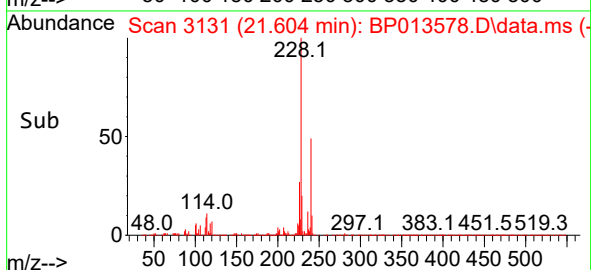
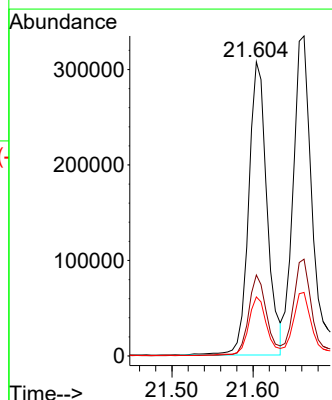
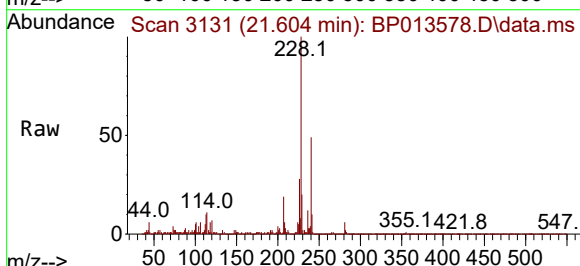
Tgt Ion:228 Resp: 483373

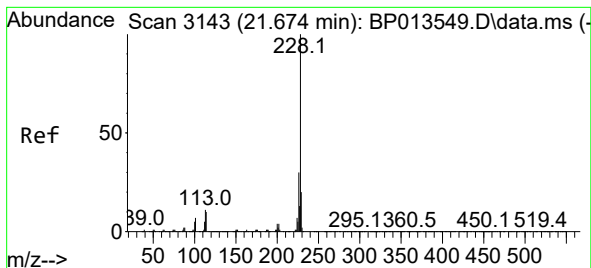
Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 20.1 15.8 23.6





#83

Chrysene

Concen: 5.933 ng

RT: 21.663 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

Instrument :

BNA_P

ClientSampleId :

PE-3

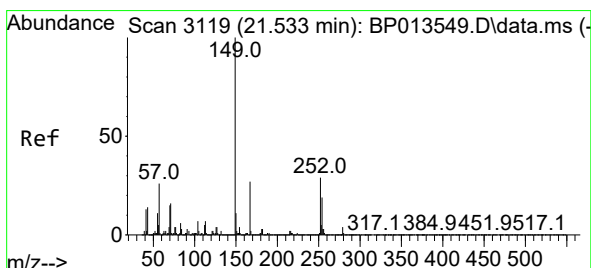
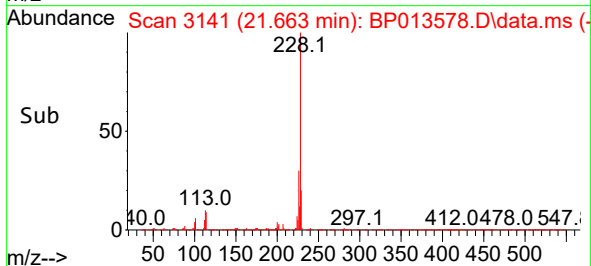
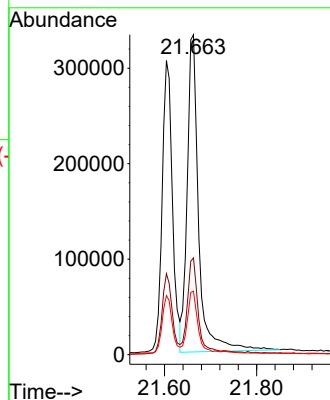
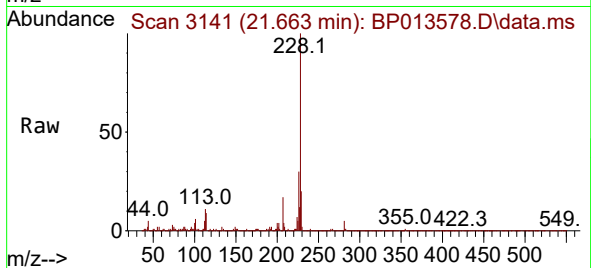
Tgt Ion:228 Resp: 573363

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 19.9 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.381 ng

RT: 21.510 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BP013578.D

Acq: 24 Jan 2023 19:19

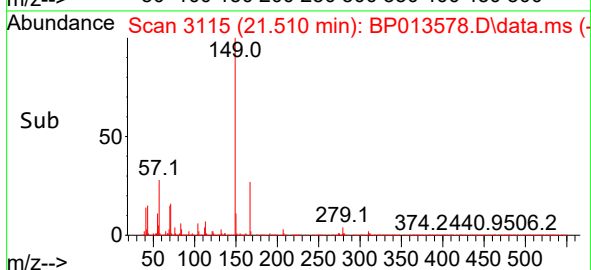
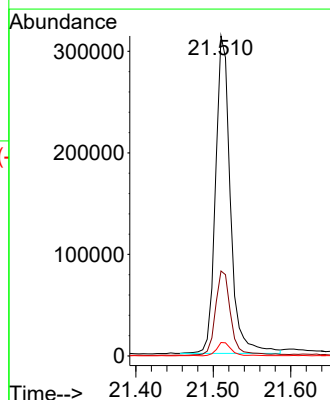
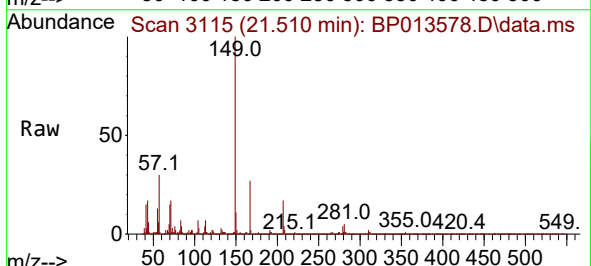
Tgt Ion:149 Resp: 417095

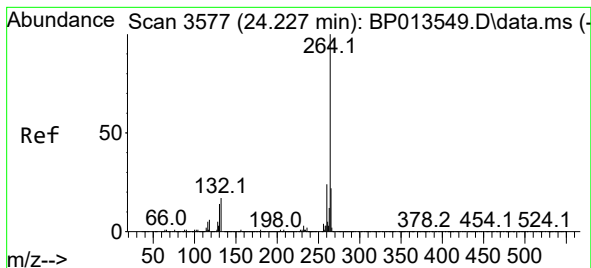
Ion Ratio Lower Upper

149 100

167 26.6 22.0 33.0

279 4.2 3.5 5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.204 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP013578.D

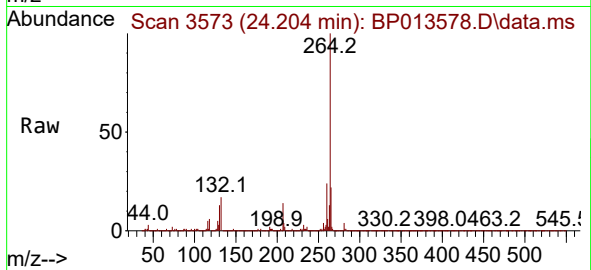
Acq: 24 Jan 2023 19:19

Instrument :

BNA_P

ClientSampleId :

PE-3



Tgt Ion:264 Resp: 1239302

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.1 17.4 26.2

