

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015320.D
 Acq On : 26 May 2023 21:21
 Operator : CG/JU
 Sample : 02945-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC23

Quant Time: May 29 02:08:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

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

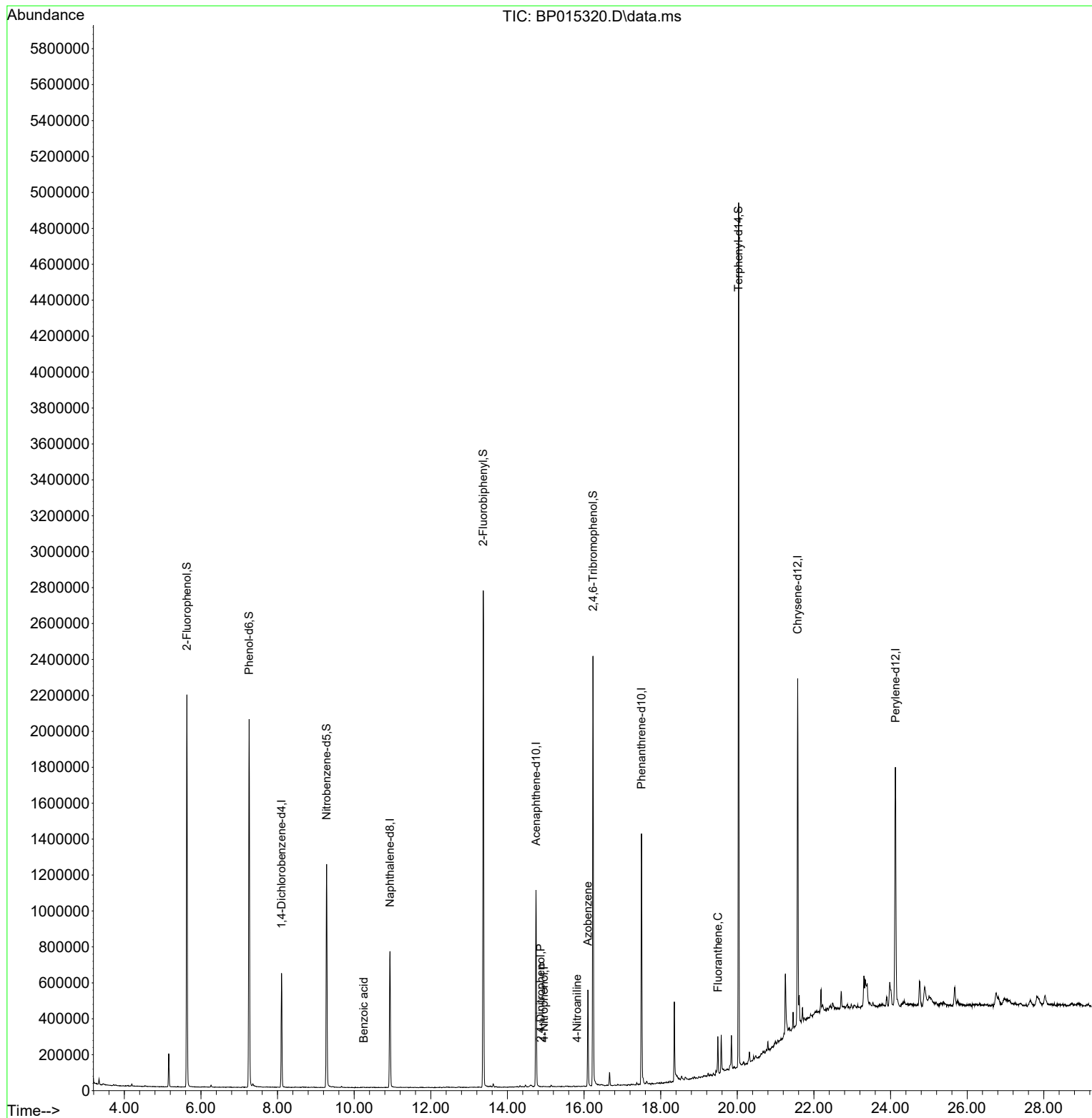
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	164684	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	623422	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	363408	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	810905	20.000	ng	0.00
76) Chrysene-d12	21.575	240	893933	20.000	ng	-0.01
86) Perylene-d12	24.127	264	1059444	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	892358	89.789	ng	0.00
7) Phenol-d6	7.258	99	1138108	87.383	ng	0.00
23) Nitrobenzene-d5	9.281	82	715613	56.046	ng	-0.01
42) 2,4,6-Tribromophenol	16.234	330	420613	85.171	ng	-0.01
45) 2-Fluorobiphenyl	13.369	172	1375985	50.834	ng	-0.01
79) Terphenyl-d14	20.033	244	2173716	45.738	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.258	77	2251	Below Cal	#	11
32) Benzoic acid	10.252	122	117	6.357	ng	# 48
54) 2,4-Dinitrophenol	14.863	184	12	5.190	ng	# 1
56) 4-Nitrophenol	14.957	139	19	3.432	ng	# 1
62) 4-Nitroaniline	15.816	138	25	2.309	ng	# 1
63) Azobenzene	16.098	77	161231	5.967	ng	# 1
75) Fluoranthene	19.492	202	112883	2.236	ng	100

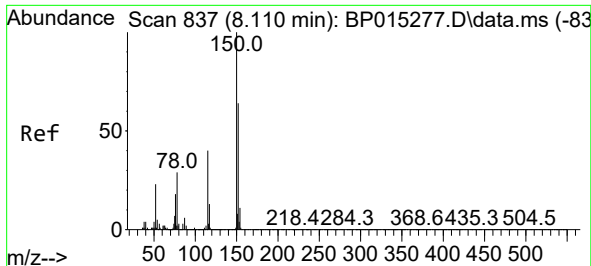
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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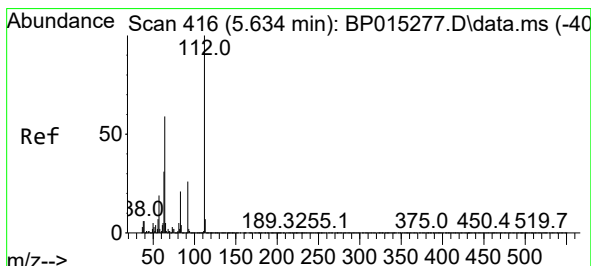
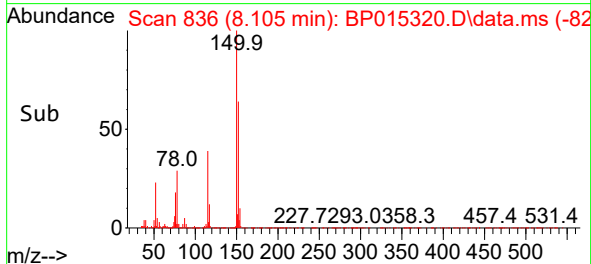
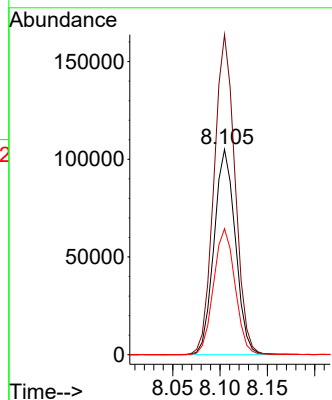
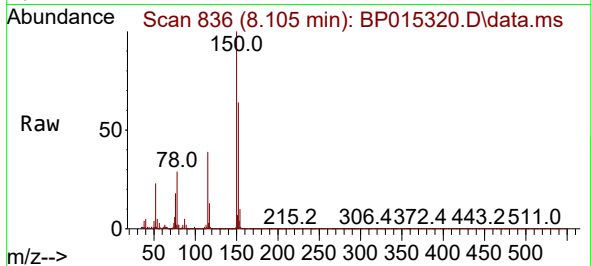




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.105 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP015320.D
Acq: 26 May 2023 21:21

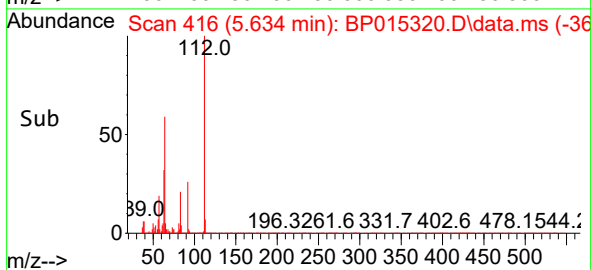
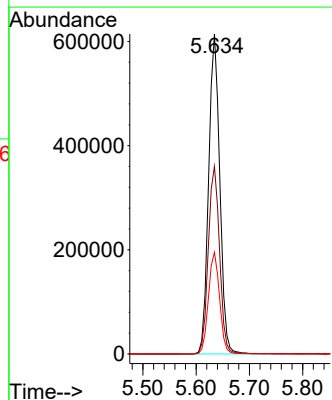
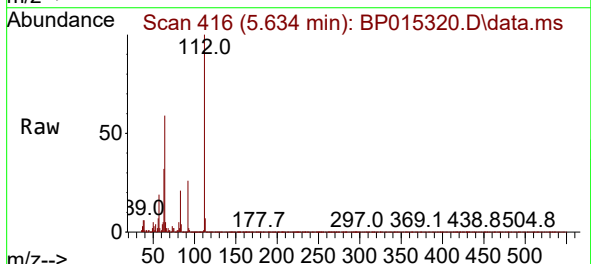
Instrument :
BNA_P
ClientSampleId :
WC23

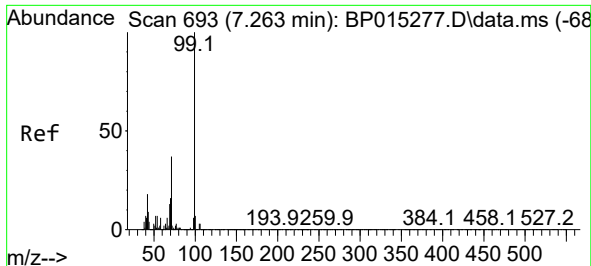
Tgt Ion:152 Resp: 164684
Ion Ratio Lower Upper
152 100
150 155.9 124.2 186.2
115 61.3 49.1 73.7



#5
2-Fluorophenol
Concen: 89.789 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015320.D
Acq: 26 May 2023 21:21

Tgt Ion:112 Resp: 892358
Ion Ratio Lower Upper
112 100
64 58.7 47.2 70.8
63 31.8 24.6 37.0



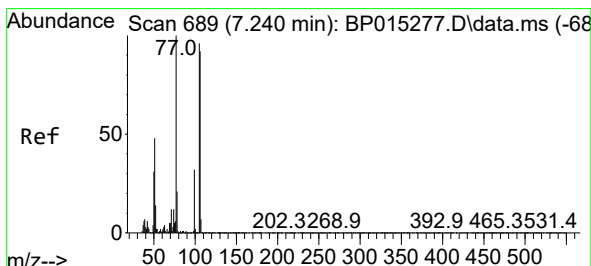
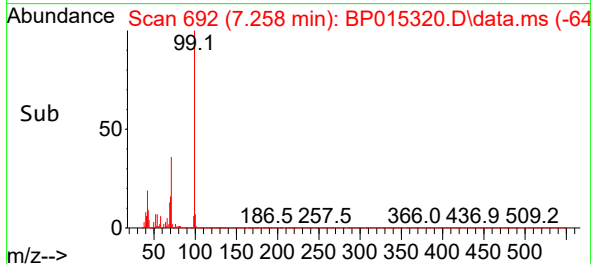
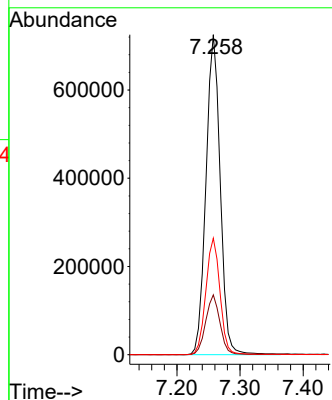
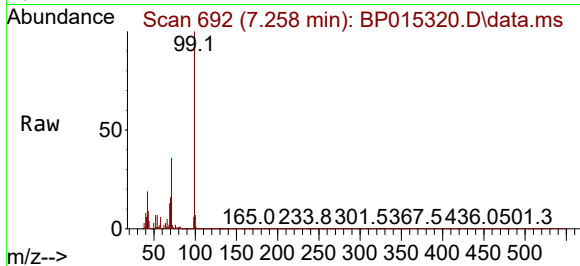


#7
Phenol-d6
Concen: 87.383 ng
RT: 7.258 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP015320.D
Acq: 26 May 2023 21:21

Instrument :
BNA_P
ClientSampleId :
WC23

Tgt Ion: 99 Resp: 1138108

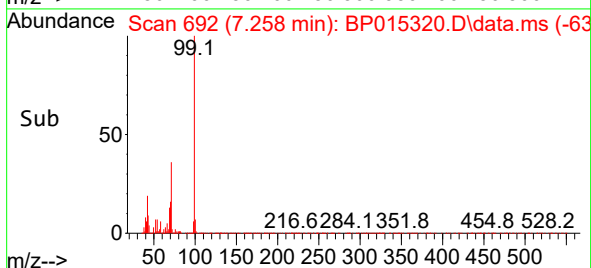
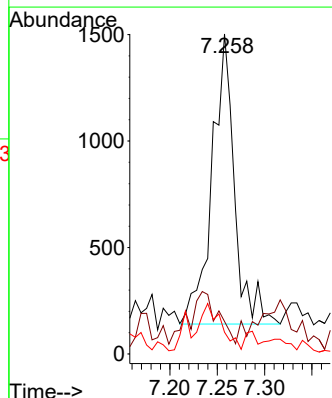
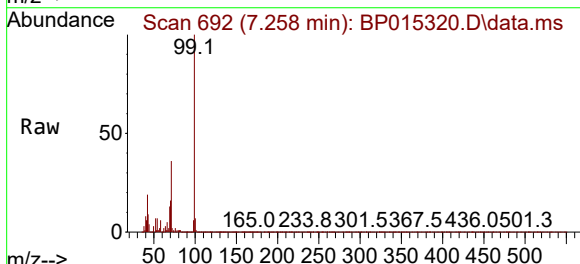
Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.6	22.0
71	36.4	29.4	44.2

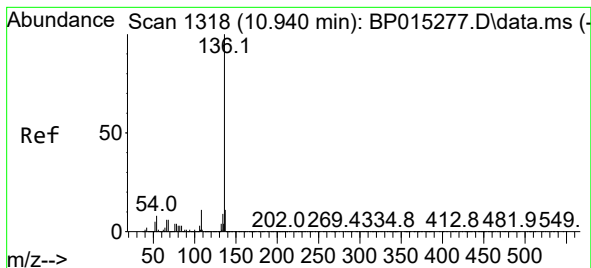


#9
Benzaldehyde
Concen: Below Cal
RT: 7.258 min Scan# 692
Delta R.T. 0.018 min
Lab File: BP015320.D
Acq: 26 May 2023 21:21

Tgt Ion: 77 Resp: 2251

Ion	Ratio	Lower	Upper
77	100		
105	10.2	75.9	115.9#
106	6.8	72.3	112.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.934 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP015320.D

Acq: 26 May 2023 21:21

Instrument :

BNA_P

ClientSampleId :

WC23

Tgt Ion:136 Resp: 623422

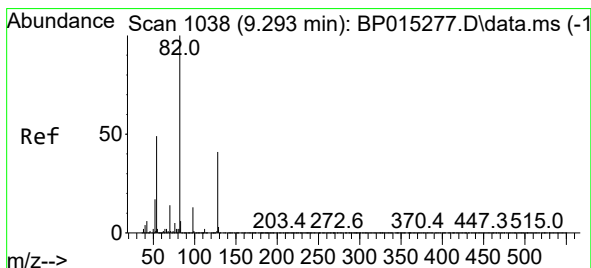
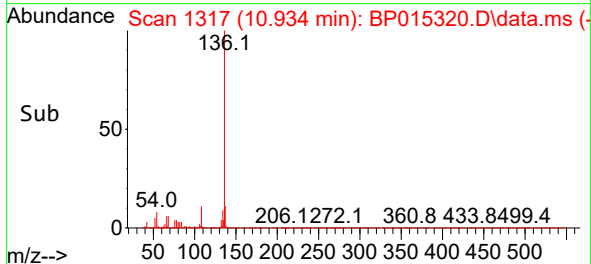
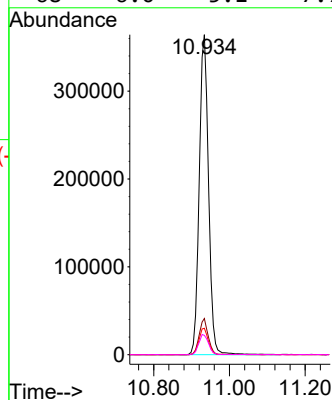
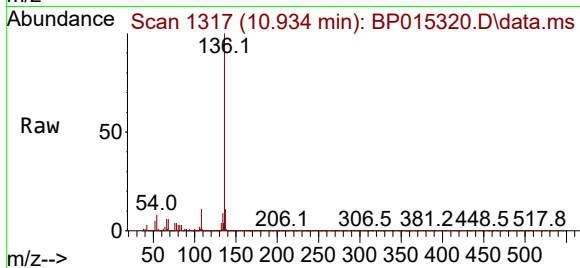
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.2 6.3 9.5

68 6.0 5.1 7.7



#23

Nitrobenzene-d5

Concen: 56.046 ng

RT: 9.281 min Scan# 1036

Delta R.T. -0.012 min

Lab File: BP015320.D

Acq: 26 May 2023 21:21

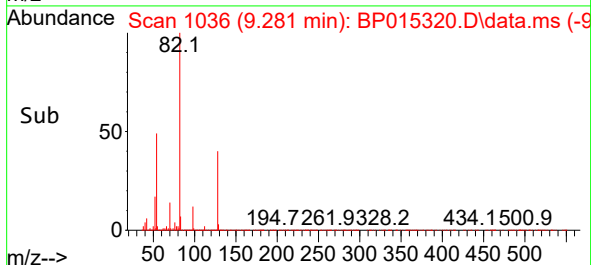
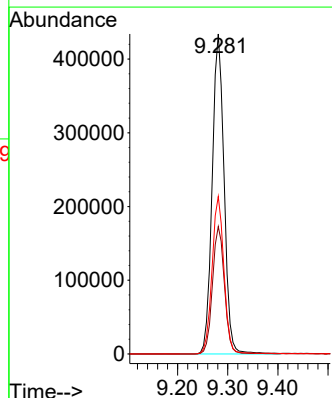
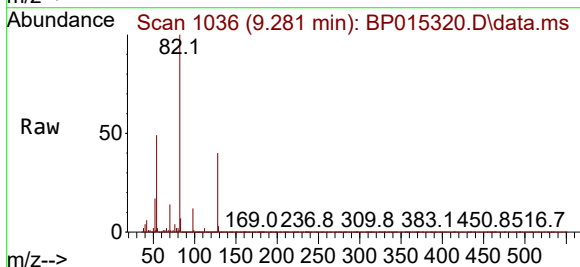
Tgt Ion: 82 Resp: 715613

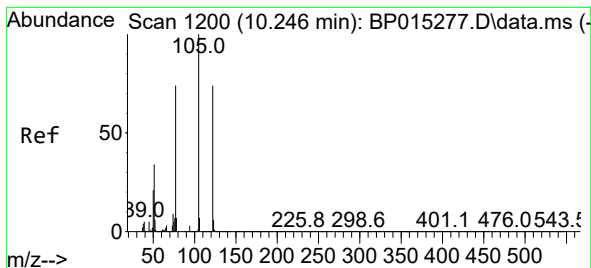
Ion Ratio Lower Upper

82 100

128 39.8 33.0 49.4

54 49.2 39.2 58.8





#32

Benzoic acid

Concen: 6.357 ng

RT: 10.252 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP015320.D

Acq: 26 May 2023 21:21

Instrument :

BNA_P

ClientSampleId :

WC23

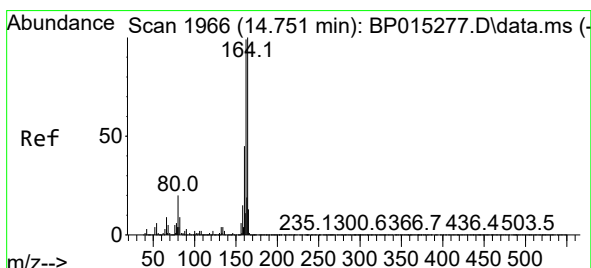
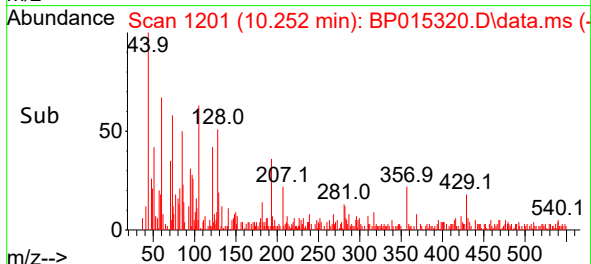
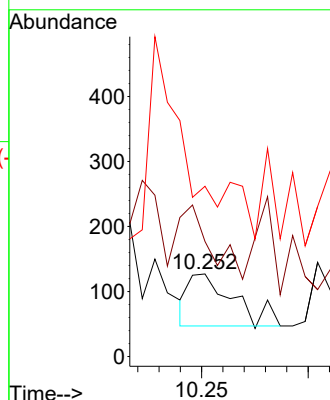
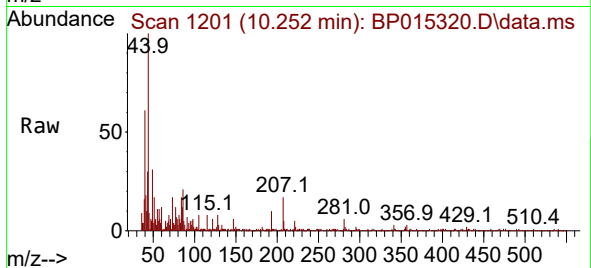
Tgt Ion:122 Resp: 117

Ion Ratio Lower Upper

122 100

105 139.4 109.5 149.5

77 206.3 78.2 118.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.745 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BP015320.D

Acq: 26 May 2023 21:21

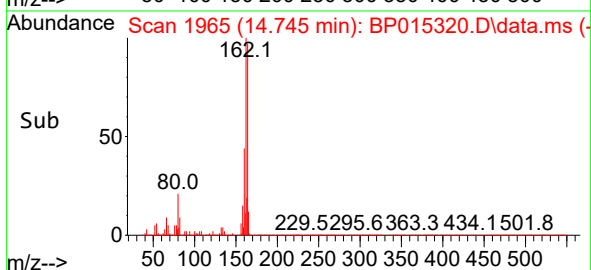
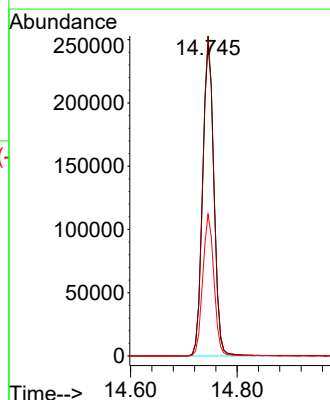
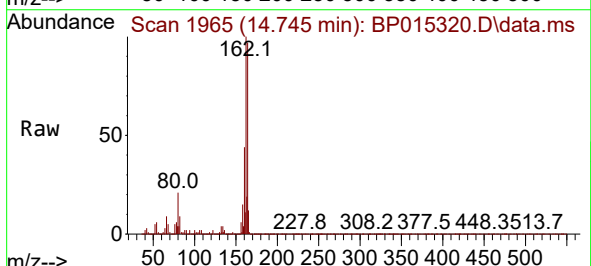
Tgt Ion:164 Resp: 363408

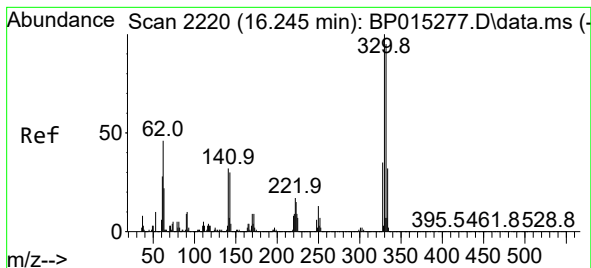
Ion Ratio Lower Upper

164 100

162 102.8 79.4 119.2

160 45.5 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 85.171 ng

RT: 16.234 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP015320.D

Acq: 26 May 2023 21:21

Instrument :

BNA_P

ClientSampleId :

WC23

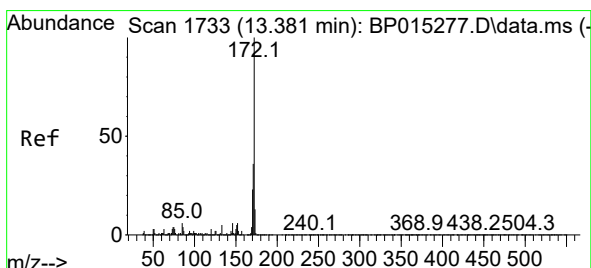
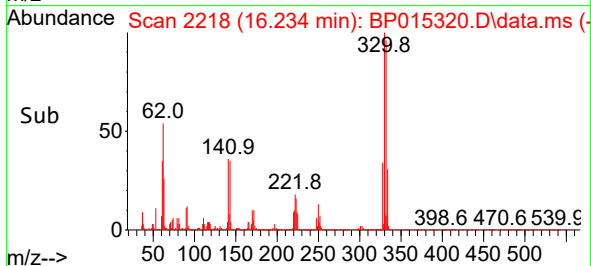
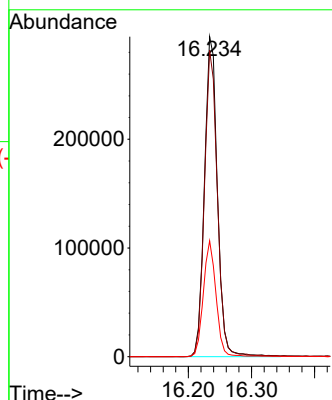
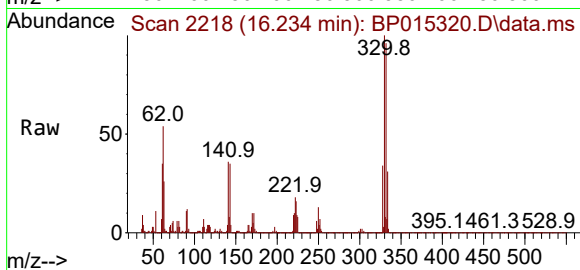
Tgt Ion:330 Resp: 420613

Ion Ratio Lower Upper

330 100

332 96.1 76.3 114.5

141 35.5 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 50.834 ng

RT: 13.369 min Scan# 1731

Delta R.T. -0.012 min

Lab File: BP015320.D

Acq: 26 May 2023 21:21

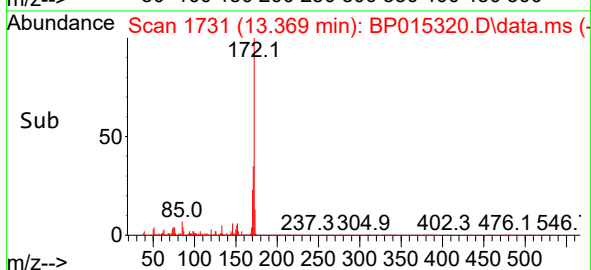
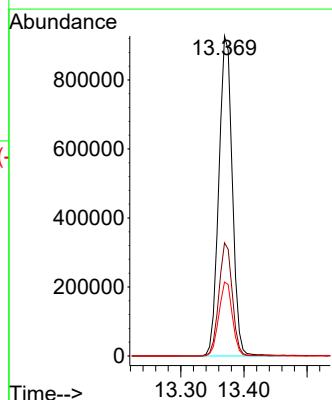
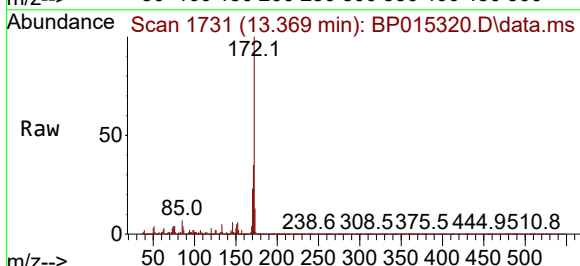
Tgt Ion:172 Resp: 1375985

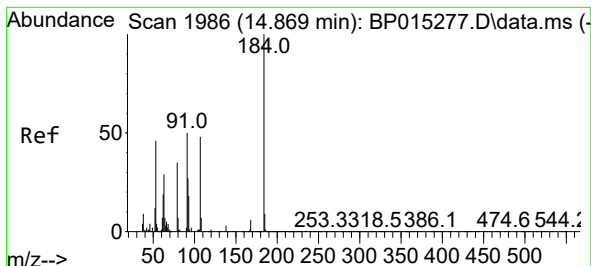
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.1 18.7 28.1

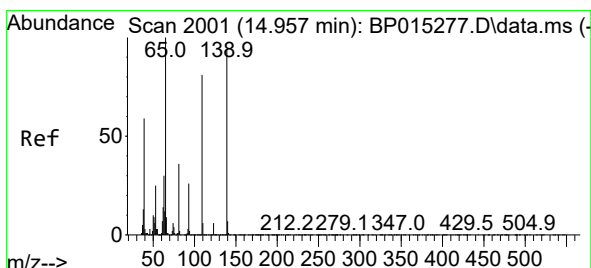
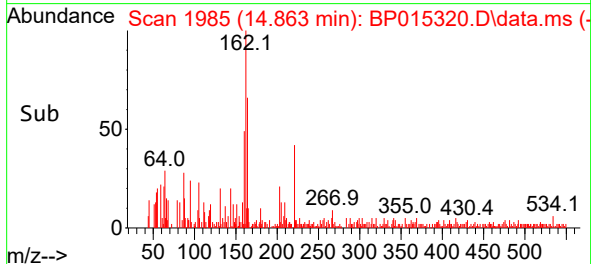
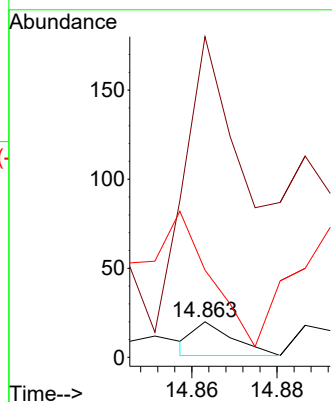
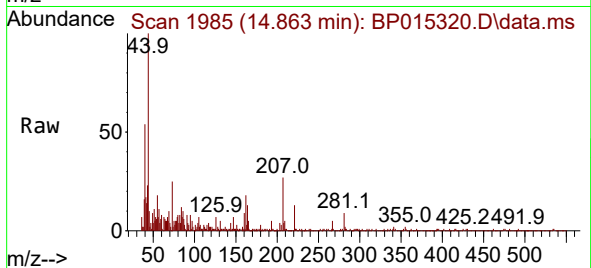




#54
2,4-Dinitrophenol
Concen: 5.190 ng
RT: 14.863 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BP015320.D
Acq: 26 May 2023 21:21

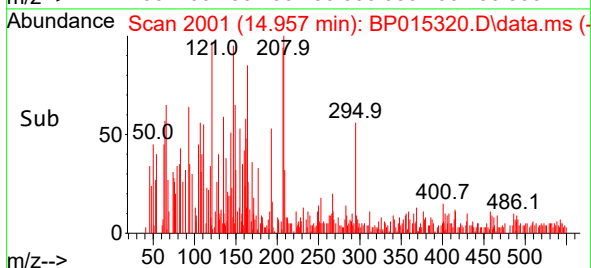
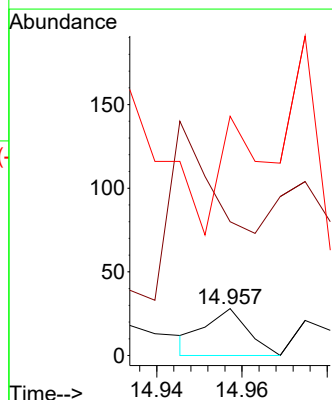
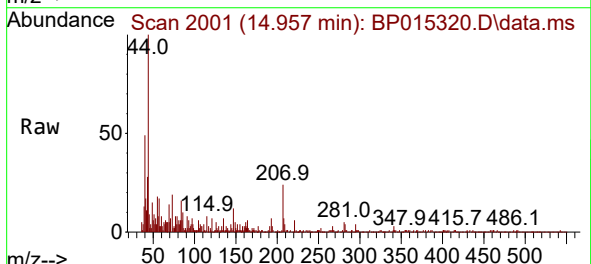
Instrument :
BNA_P
ClientSampleId :
WC23

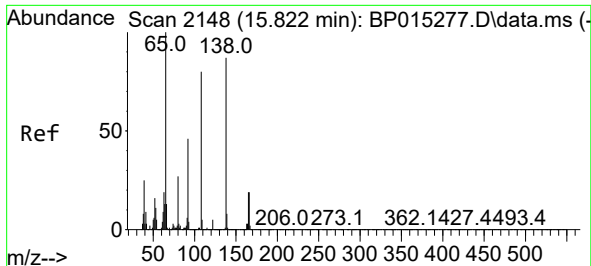
Tgt Ion:184 Resp: 12
Ion Ratio Lower Upper
184 100
63 900.0 56.2 84.4#
154 245.0 53.2 79.8#



#56
4-Nitrophenol
Concen: 3.432 ng
RT: 14.957 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BP015320.D
Acq: 26 May 2023 21:21

Tgt Ion:139 Resp: 19
Ion Ratio Lower Upper
139 100
109 285.7 66.5 106.5#
65 510.7 86.6 126.6#

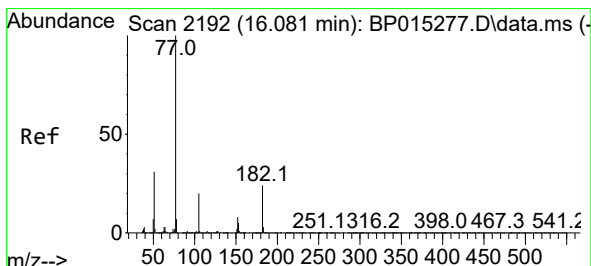
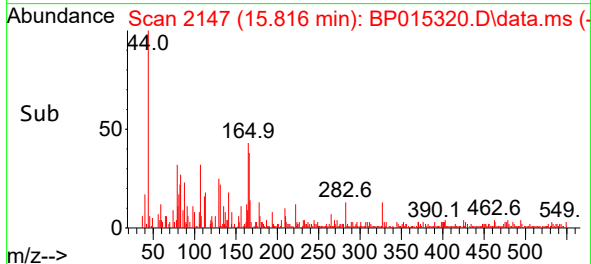
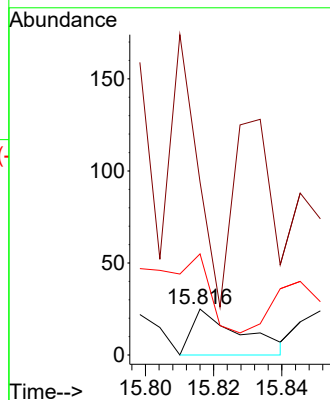
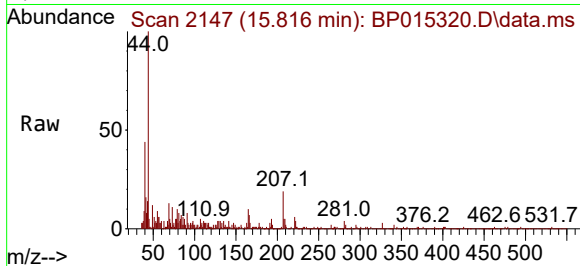




#62
4-Nitroaniline
Concen: 2.309 ng
RT: 15.816 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BP015320.D
Acq: 26 May 2023 21:21

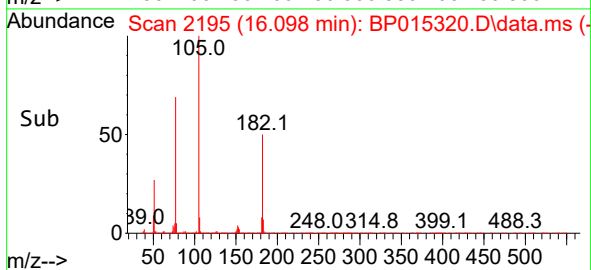
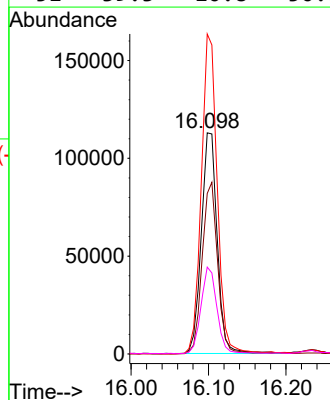
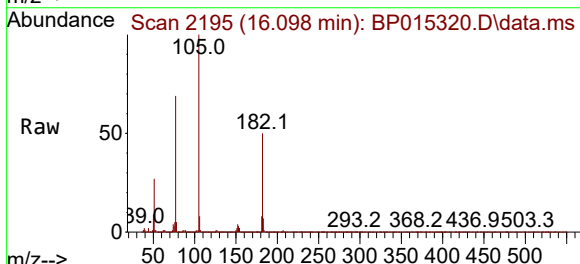
Instrument :
BNA_P
ClientSampleId :
WC23

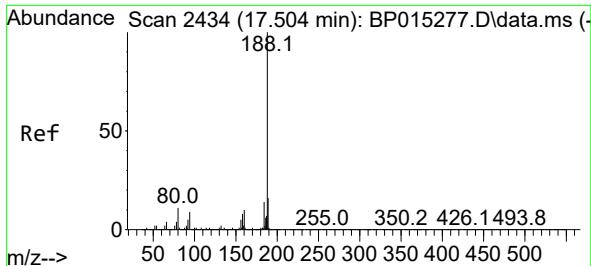
Tgt Ion:138 Resp: 25
Ion Ratio Lower Upper
138 100
92 376.0 33.1 73.1#
108 220.0 71.0 111.0#



#63
Azobenzene
Concen: 5.967 ng
RT: 16.098 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BP015320.D
Acq: 26 May 2023 21:21

Tgt Ion: 77 Resp: 161231
Ion Ratio Lower Upper
77 100
182 72.5 3.9 43.9#
105 144.7 0.3 40.3#
51 39.3 10.8 50.8

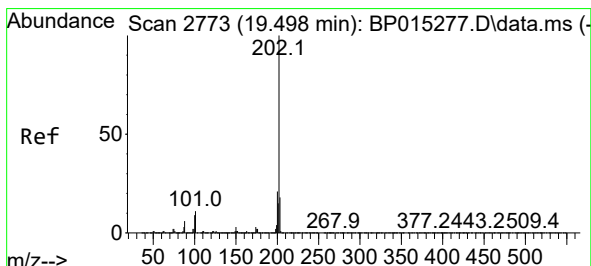
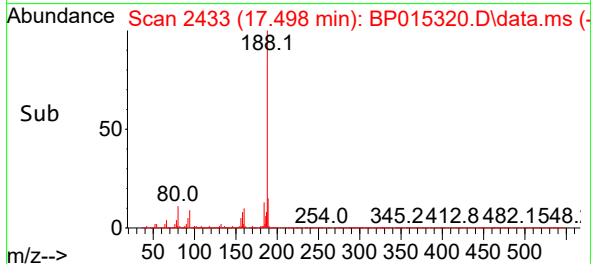
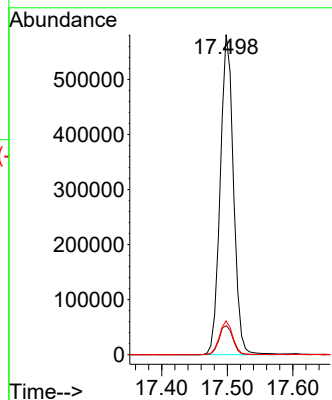
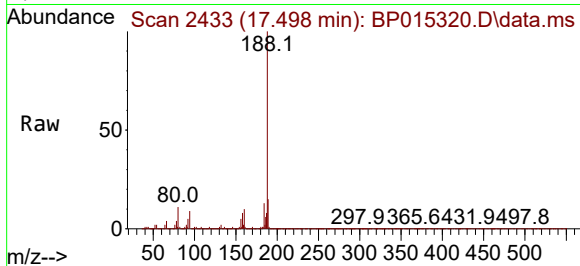




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP015320.D
Acq: 26 May 2023 21:21

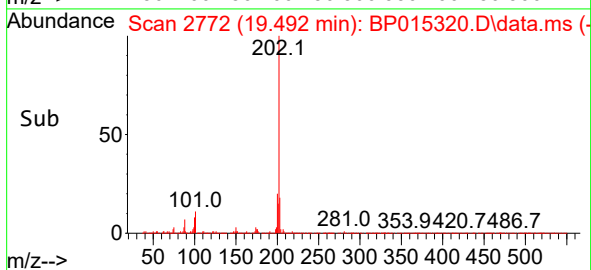
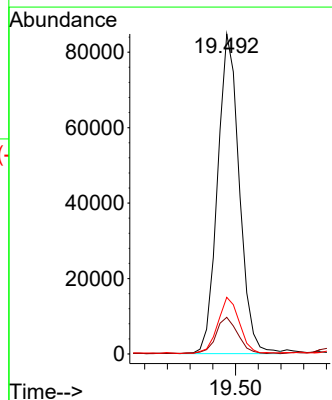
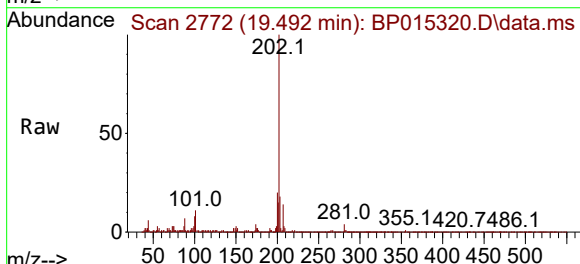
Instrument :
BNA_P
ClientSampleId :
WC23

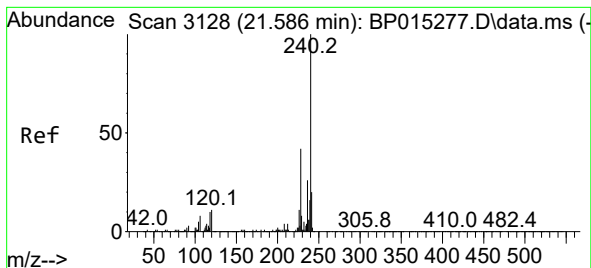
Tgt Ion:188 Resp: 810905
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.0
80 10.6 8.6 13.0



#75
Fluoranthene
Concen: 2.236 ng
RT: 19.492 min Scan# 2772
Delta R.T. -0.006 min
Lab File: BP015320.D
Acq: 26 May 2023 21:21

Tgt Ion:202 Resp: 112883
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.575 min Scan# 3128

Delta R.T. -0.012 min

Lab File: BP015320.D

Acq: 26 May 2023 21:21

Instrument :

BNA_P

ClientSampleId :

WC23

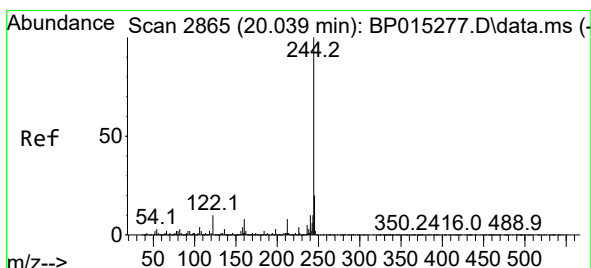
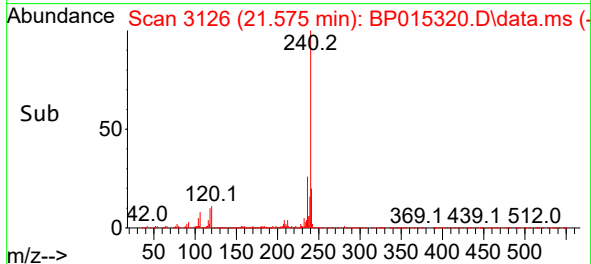
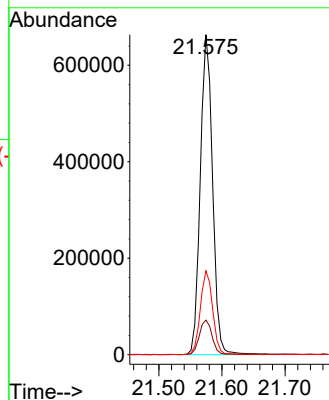
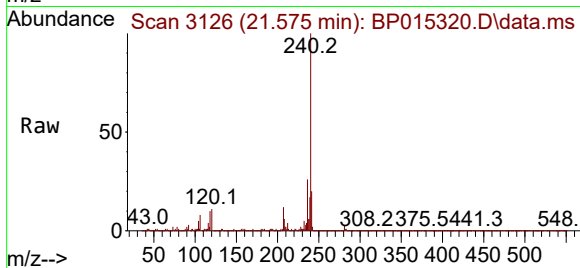
Tgt Ion:240 Resp: 893933

Ion Ratio Lower Upper

240 100

120 10.8 8.8 13.2

236 26.2 20.5 30.7



#79

Terphenyl-d14

Concen: 45.738 ng

RT: 20.033 min Scan# 2864

Delta R.T. -0.006 min

Lab File: BP015320.D

Acq: 26 May 2023 21:21

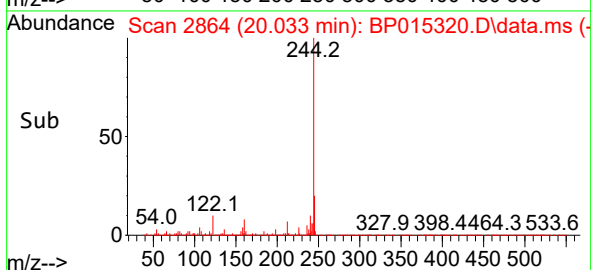
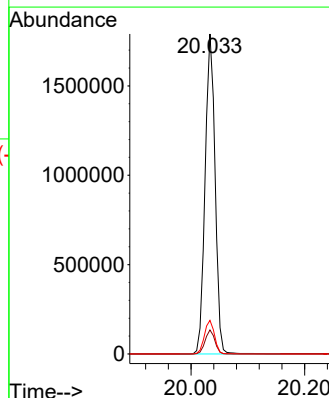
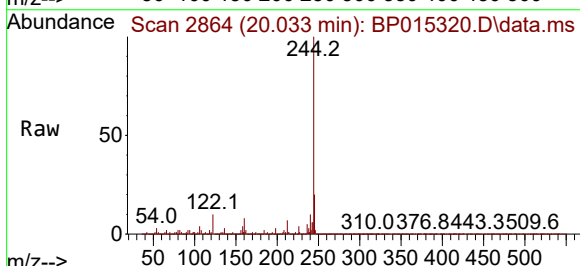
Tgt Ion:244 Resp: 2173716

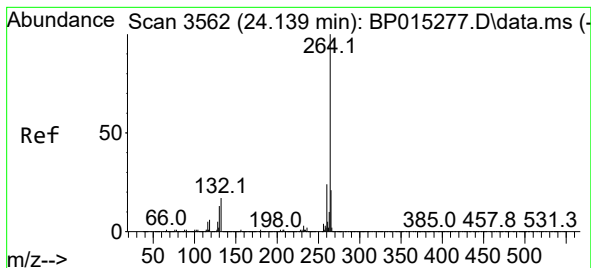
Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 10.5 8.2 12.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.127 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP015320.D

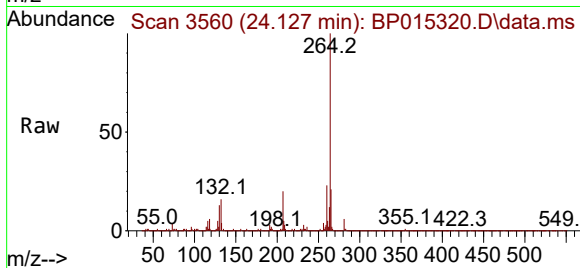
Acq: 26 May 2023 21:21

Instrument :

BNA_P

ClientSampleId :

WC23



Tgt Ion:264 Resp: 1059444

Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.6

265 21.4 17.5 26.3

