

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015319.D
 Acq On : 26 May 2023 20:47
 Operator : CG/JU
 Sample : 02945-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC17

Quant Time: May 29 02:08:07 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)

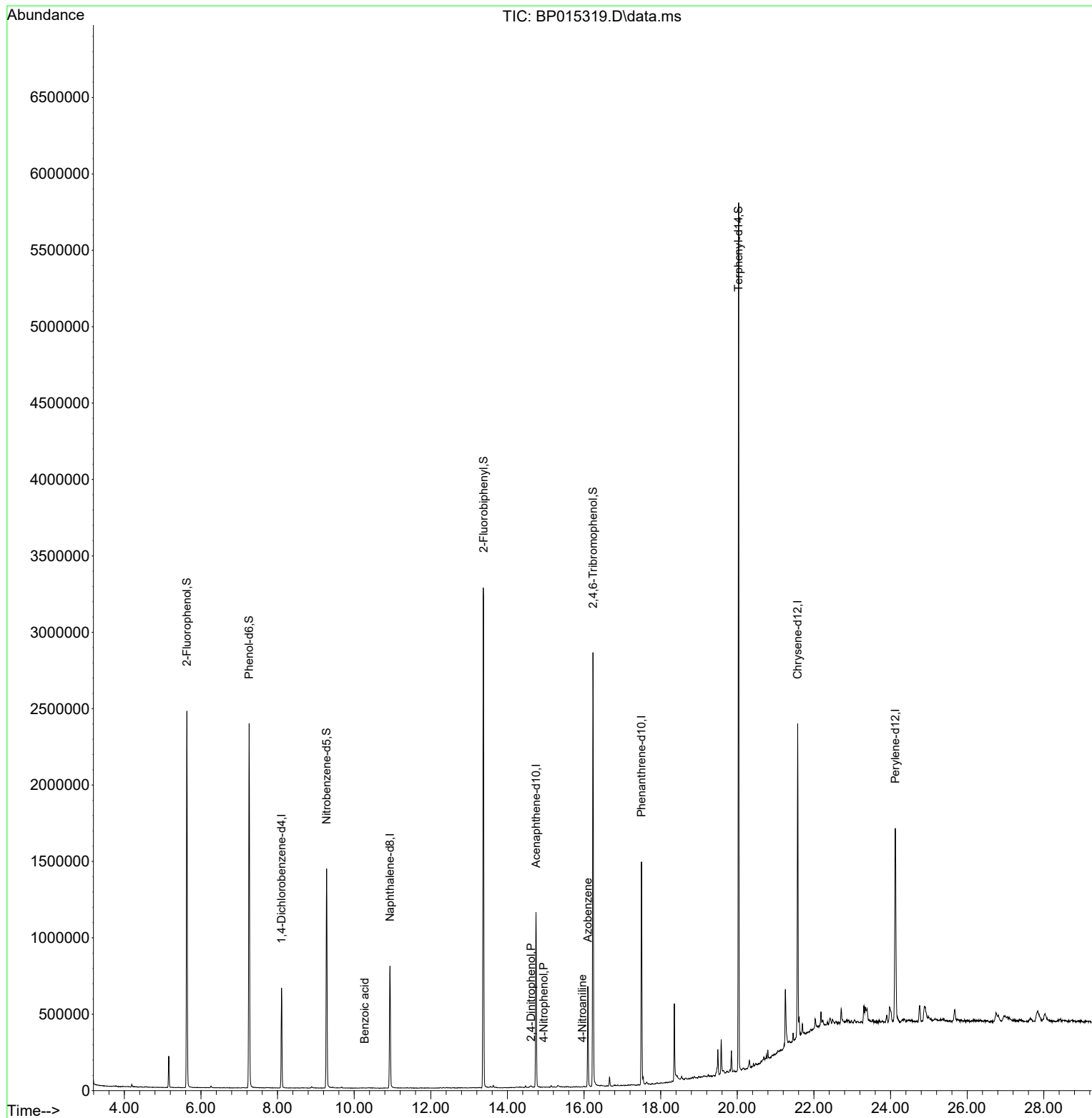
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.104	152	166463	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	650793	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	382902	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	850398	20.000	ng	0.00
76) Chrysene-d12	21.574	240	894027	20.000	ng	-0.01
86) Perylene-d12	24.121	264	1052805	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1014051	100.943	ng	0.00
7) Phenol-d6	7.258	99	1288040	97.838	ng	0.00
23) Nitrobenzene-d5	9.281	82	817199	61.311	ng	-0.01
42) 2,4,6-Tribromophenol	16.233	330	504272	96.912	ng	-0.01
45) 2-Fluorobiphenyl	13.375	172	1654083	57.996	ng	0.00
79) Terphenyl-d14	20.033	244	2578125	54.242	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.258	77	3268	Below Cal	#	15
32) Benzoic acid	10.275	122	136	6.358	ng	# 60
54) 2,4-Dinitrophenol	14.616	184	21	5.192	ng	94
56) 4-Nitrophenol	14.945	139	89	3.444	ng	# 1
62) 4-Nitroaniline	15.957	138	75	2.315	ng	97
63) Azobenzene	16.098	77	190726	6.700	ng	# 1

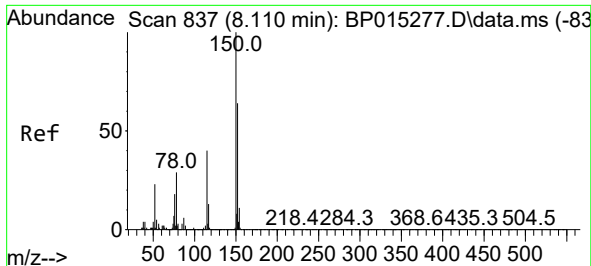
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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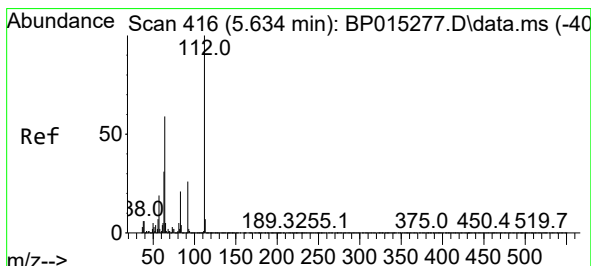
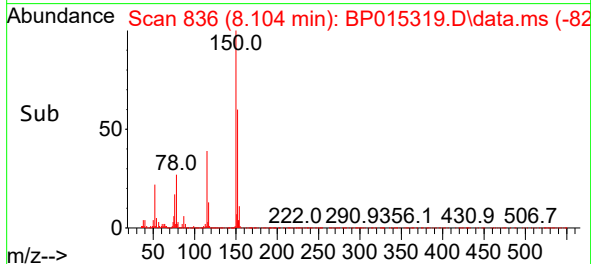
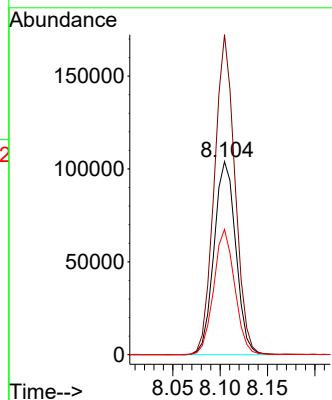
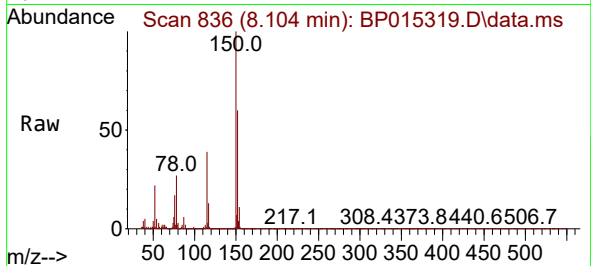




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.104 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP015319.D
Acq: 26 May 2023 20:47

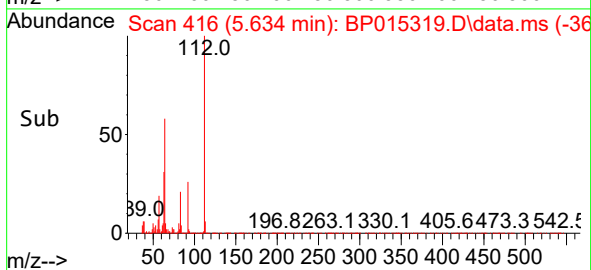
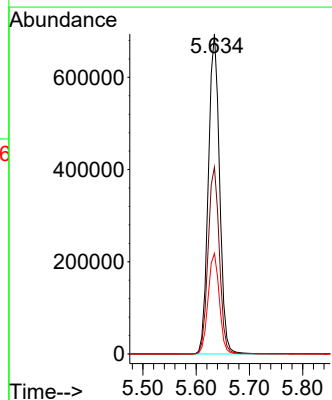
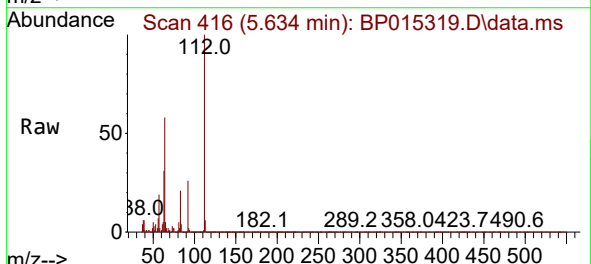
Instrument :
BNA_P
ClientSampleId :
WC17

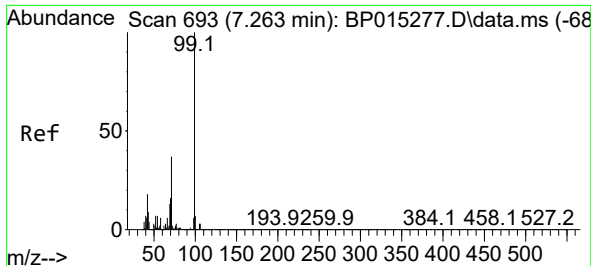
Tgt Ion:152 Resp: 166463
Ion Ratio Lower Upper
152 100
150 165.6 124.2 186.2
115 64.9 49.1 73.7



#5
2-Fluorophenol
Concen: 100.943 ng
RT: 5.634 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP015319.D
Acq: 26 May 2023 20:47

Tgt Ion:112 Resp: 1014051
Ion Ratio Lower Upper
112 100
64 58.4 47.2 70.8
63 31.4 24.6 37.0

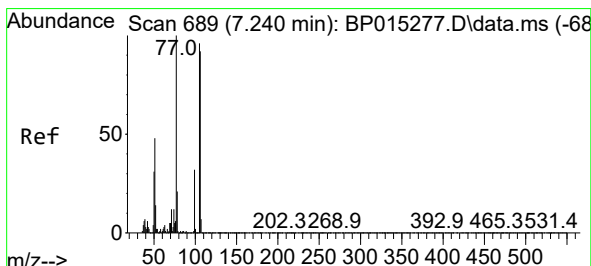
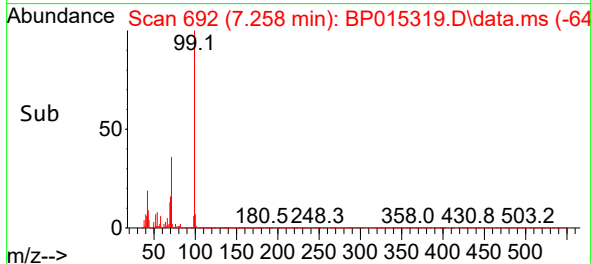
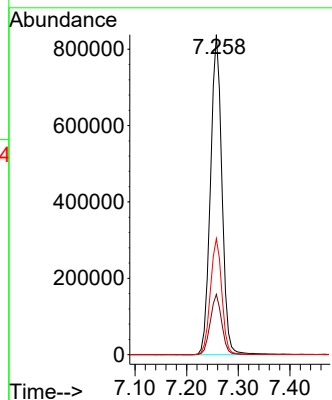
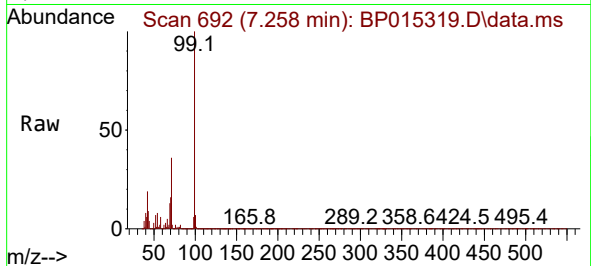




#7
Phenol-d6
Concen: 97.838 ng
RT: 7.258 min Scan# 692
Delta R.T. -0.006 min
Lab File: BP015319.D
Acq: 26 May 2023 20:47

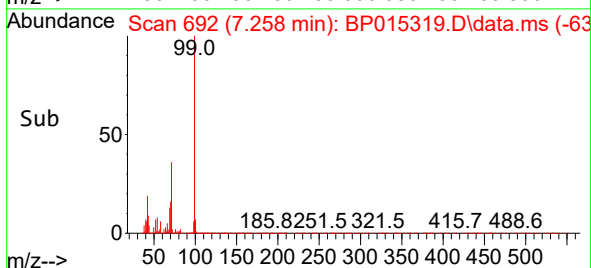
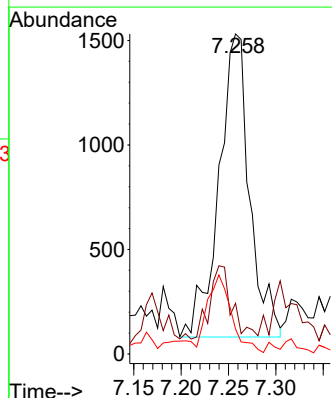
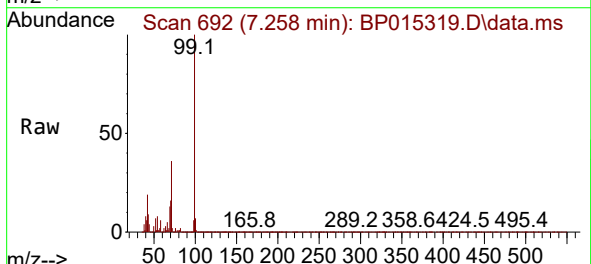
Instrument :
BNA_P
ClientSampleId :
WC17

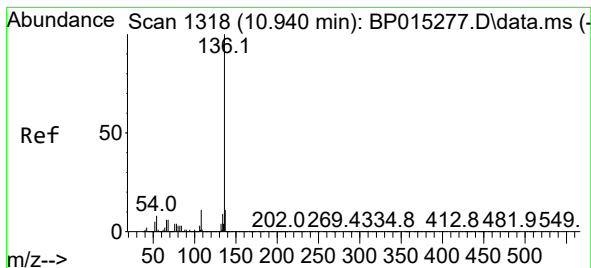
Tgt Ion: 99 Resp: 1288040
Ion Ratio Lower Upper
99 100
42 18.8 14.6 22.0
71 36.2 29.4 44.2



#9
Benzaldehyde
Concen: Below Cal
RT: 7.258 min Scan# 692
Delta R.T. 0.018 min
Lab File: BP015319.D
Acq: 26 May 2023 20:47

Tgt Ion: 77 Resp: 3268
Ion Ratio Lower Upper
77 100
105 15.9 75.9 115.9#
106 7.8 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: BP015319.D

Acq: 26 May 2023 20:47

Instrument :

BNA_P

ClientSampleId :

WC17

Tgt Ion:136 Resp: 650793

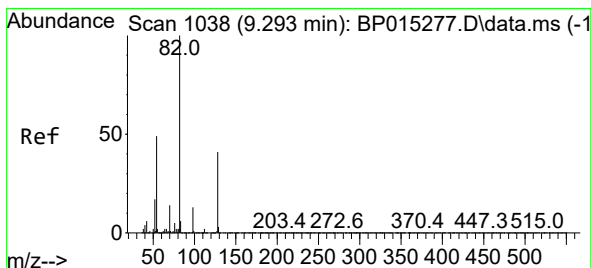
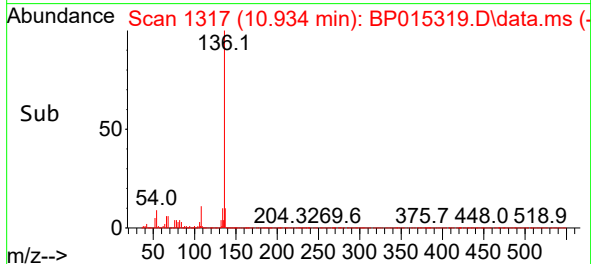
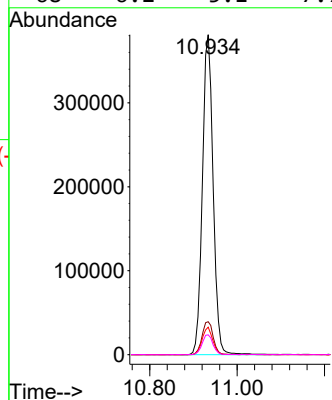
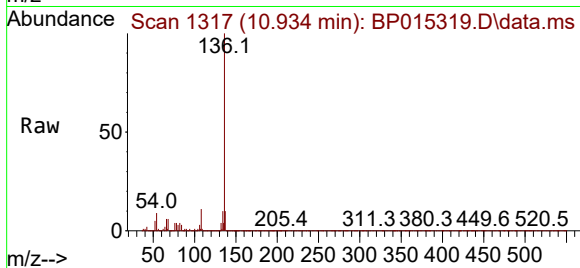
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 9.0 6.3 9.5

68 6.2 5.1 7.7



#23

Nitrobenzene-d5

Concen: 61.311 ng

RT: 9.281 min Scan# 1036

Delta R.T. -0.012 min

Lab File: BP015319.D

Acq: 26 May 2023 20:47

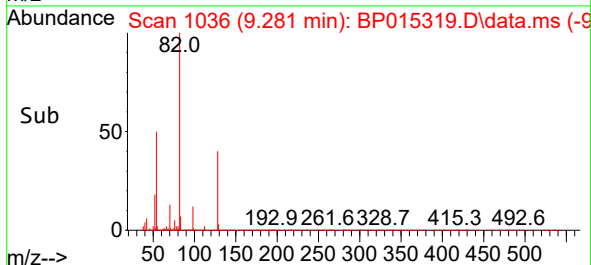
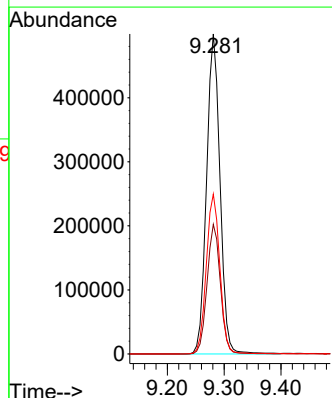
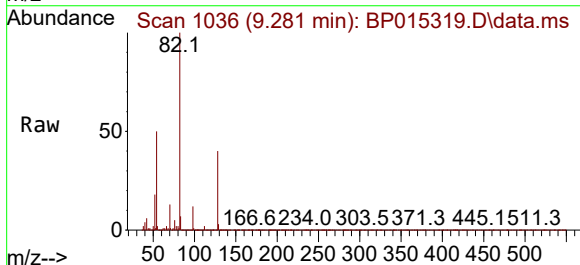
Tgt Ion: 82 Resp: 817199

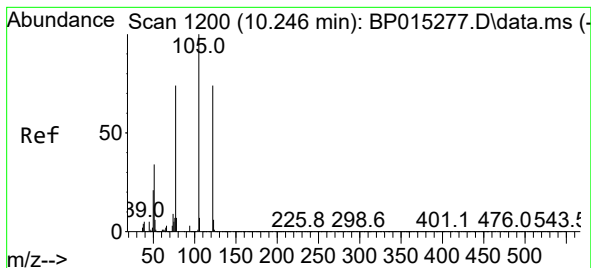
Ion Ratio Lower Upper

82 100

128 40.5 33.0 49.4

54 50.0 39.2 58.8





#32

Benzoic acid

Concen: 6.358 ng

RT: 10.275 min Scan# 11

Delta R.T. 0.029 min

Lab File: BP015319.D

Acq: 26 May 2023 20:47

Instrument :

BNA_P

ClientSampleId :

WC17

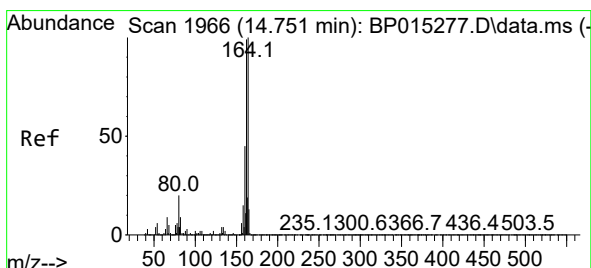
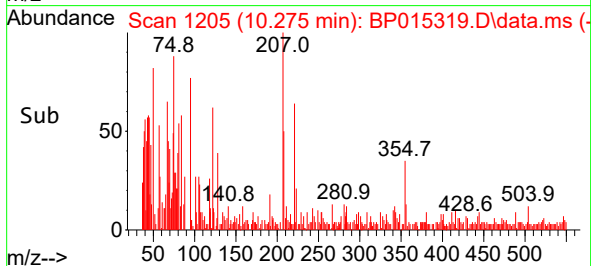
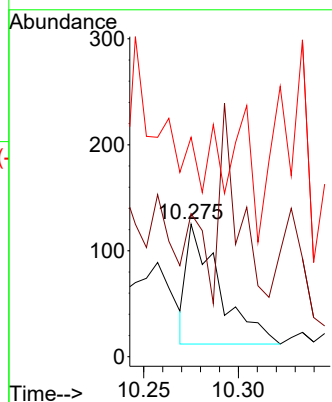
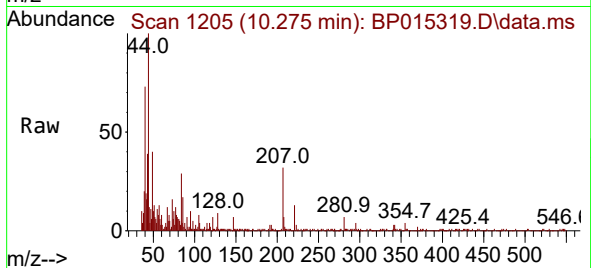
Tgt Ion:122 Resp: 136

Ion Ratio Lower Upper

122 100

105 108.0 109.5 149.5#

77 165.6 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: BP015319.D

Acq: 26 May 2023 20:47

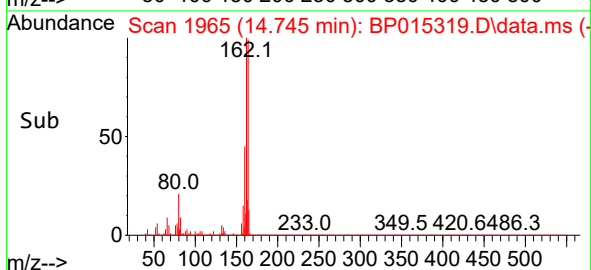
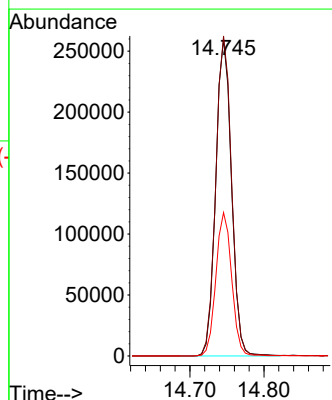
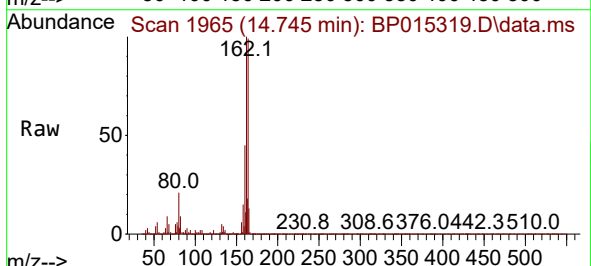
Tgt Ion:164 Resp: 382902

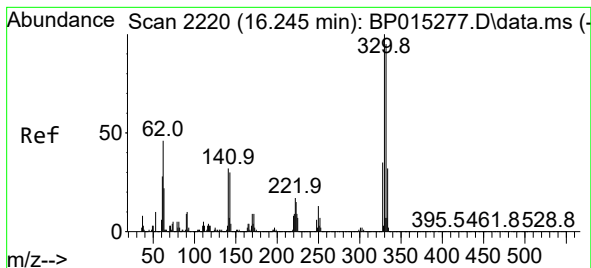
Ion Ratio Lower Upper

164 100

162 101.1 79.4 119.2

160 45.3 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 96.912 ng

RT: 16.233 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP015319.D

Acq: 26 May 2023 20:47

Instrument :

BNA_P

ClientSampleId :

WC17

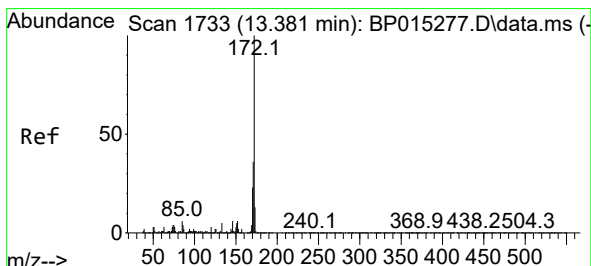
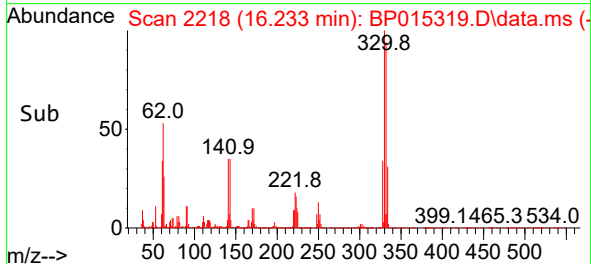
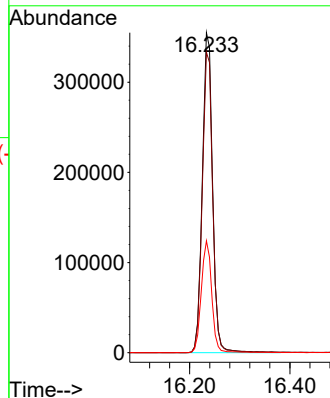
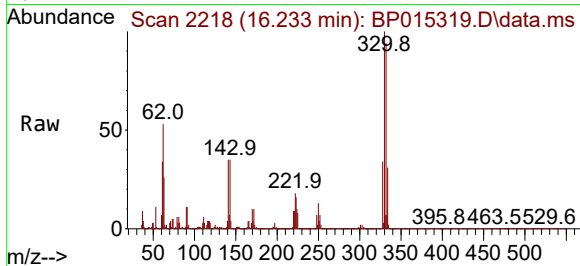
Tgt Ion:330 Resp: 504272

Ion Ratio Lower Upper

330 100

332 95.2 76.3 114.5

141 35.5 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 57.996 ng

RT: 13.375 min Scan# 1732

Delta R.T. -0.006 min

Lab File: BP015319.D

Acq: 26 May 2023 20:47

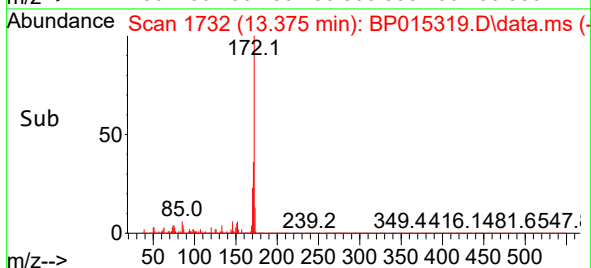
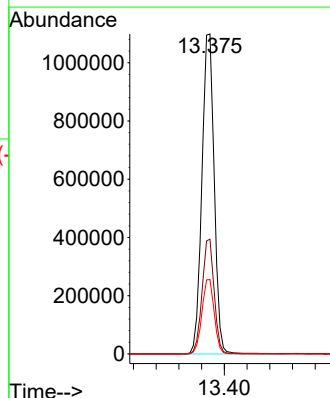
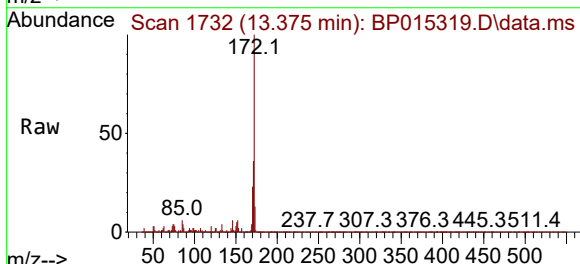
Tgt Ion:172 Resp: 1654083

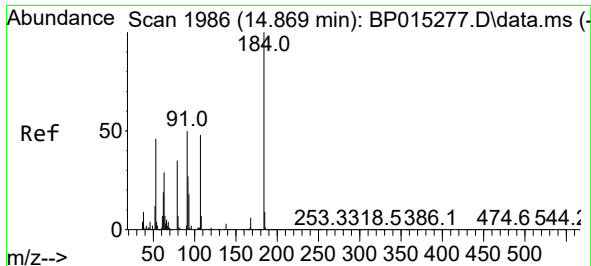
Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.2 18.7 28.1

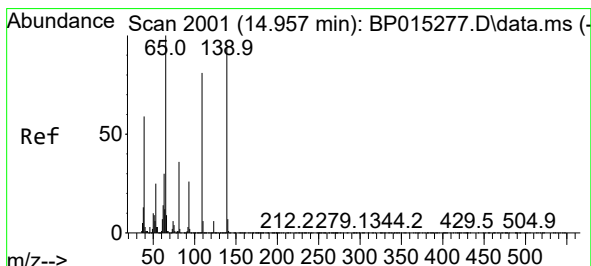
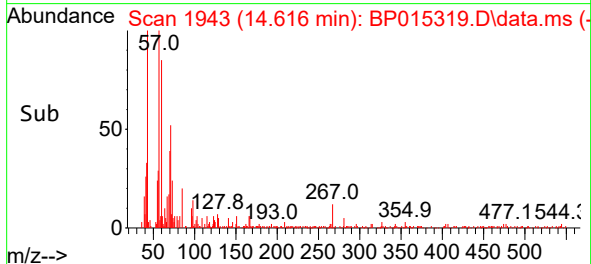
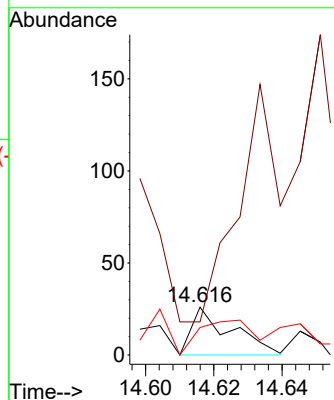
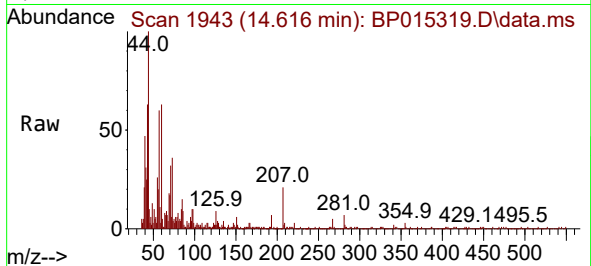




#54
2,4-Dinitrophenol
Concen: 5.192 ng
RT: 14.616 min Scan# 1999
Delta R.T. -0.253 min
Lab File: BP015319.D
Acq: 26 May 2023 20:47

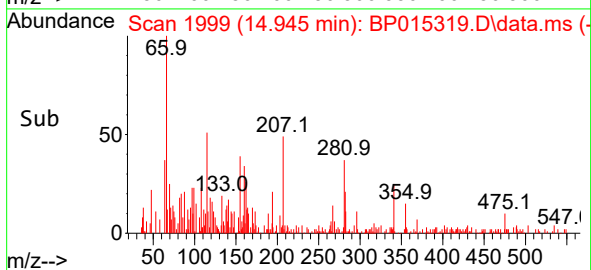
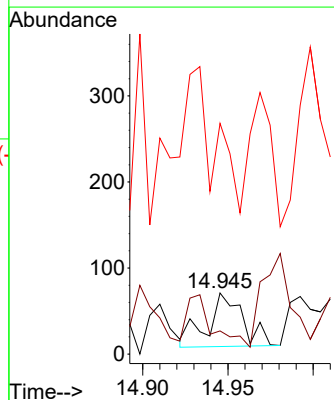
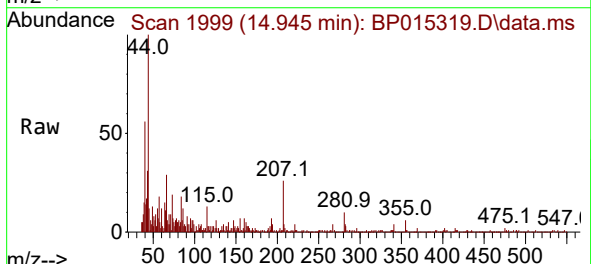
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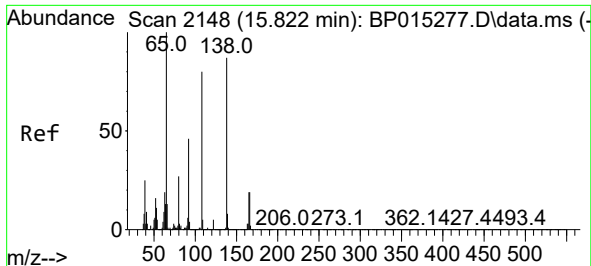
Tgt Ion:184	Resp:	21	
Ion	Ratio	Lower	Upper
184	100		
63	69.2	56.2	84.4
154	57.7	53.2	79.8



#56
4-Nitrophenol
Concen: 3.444 ng
RT: 14.945 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BP015319.D
Acq: 26 May 2023 20:47

Tgt Ion:139	Resp:	89	
Ion	Ratio	Lower	Upper
139	100		
109	38.0	66.5	106.5#
65	377.5	86.6	126.6#

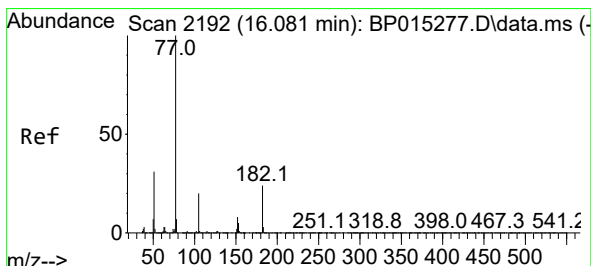
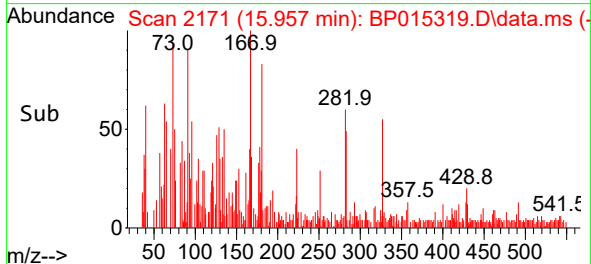
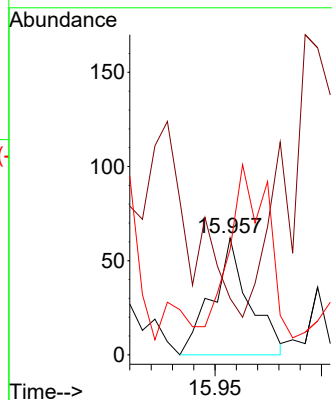
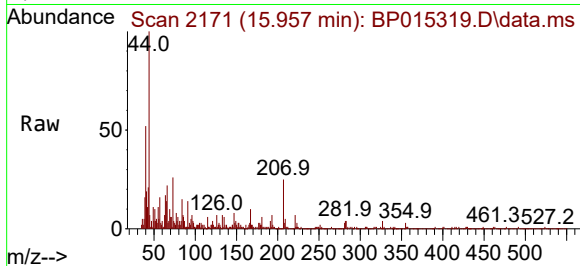




#62
4-Nitroaniline
Concen: 2.315 ng
RT: 15.957 min Scan# 2148
Delta R.T. 0.135 min
Lab File: BP015319.D
Acq: 26 May 2023 20:47

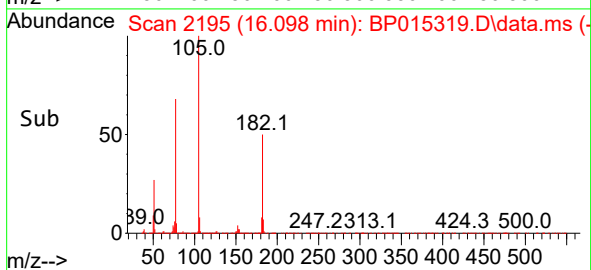
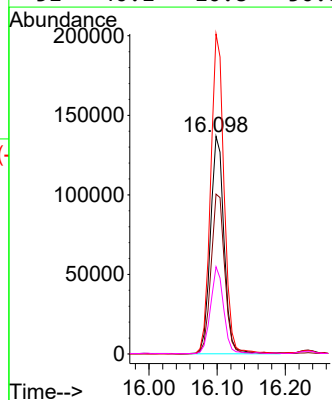
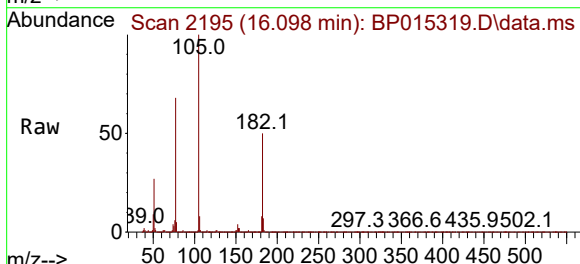
Instrument :
BNA_P
ClientSampleId :
WC17

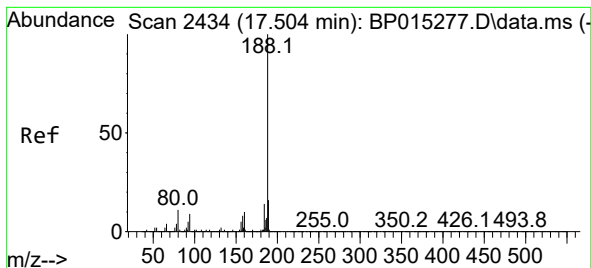
Tgt Ion: 138 Resp: 75
Ion Ratio Lower Upper
138 100
92 48.4 33.1 73.1
108 90.3 71.0 111.0



#63
Azobenzene
Concen: 6.700 ng
RT: 16.098 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BP015319.D
Acq: 26 May 2023 20:47

Tgt Ion: 77 Resp: 190726
Ion Ratio Lower Upper
77 100
182 73.4 3.9 43.9#
105 147.1 0.3 40.3#
51 40.1 10.8 50.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.498 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BP015319.D

Acq: 26 May 2023 20:47

Instrument :

BNA_P

ClientSampleId :

WC17

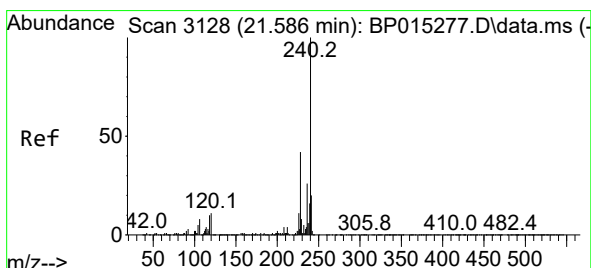
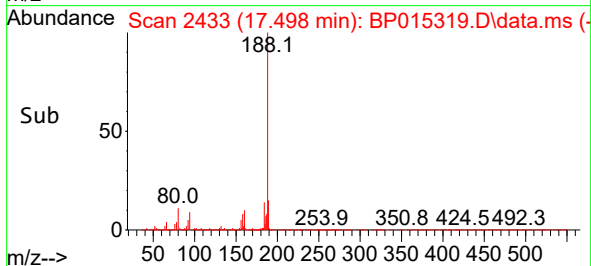
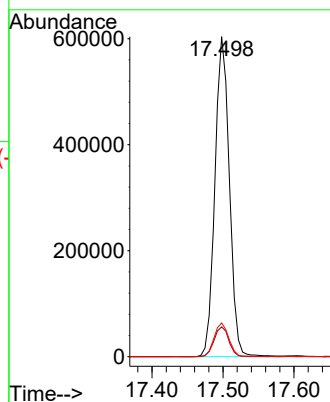
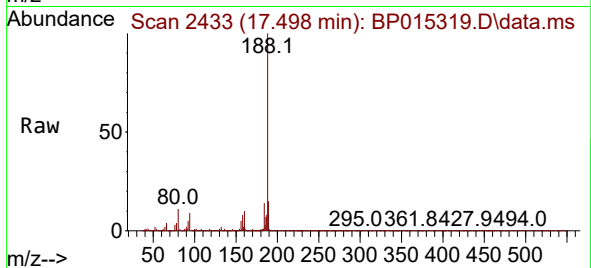
Tgt Ion:188 Resp: 850398

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.0

80 10.5 8.6 13.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 3126

Delta R.T. -0.012 min

Lab File: BP015319.D

Acq: 26 May 2023 20:47

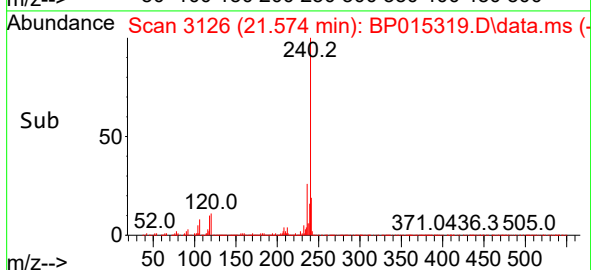
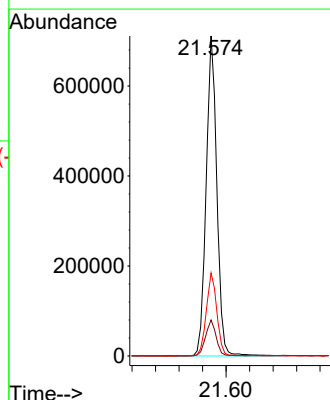
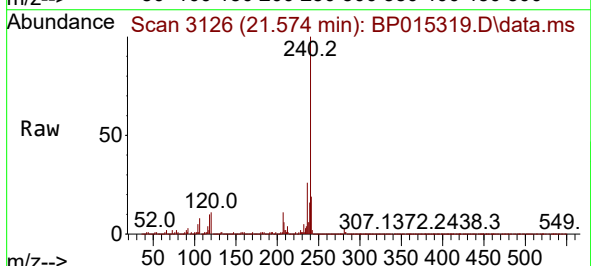
Tgt Ion:240 Resp: 894027

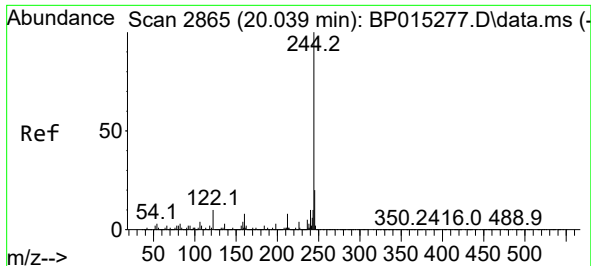
Ion Ratio Lower Upper

240 100

120 11.3 8.8 13.2

236 25.9 20.5 30.7

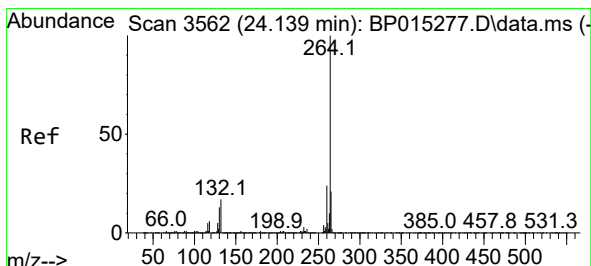
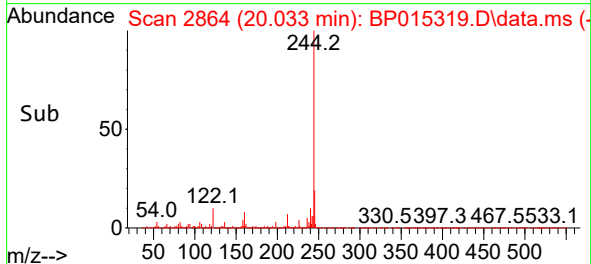
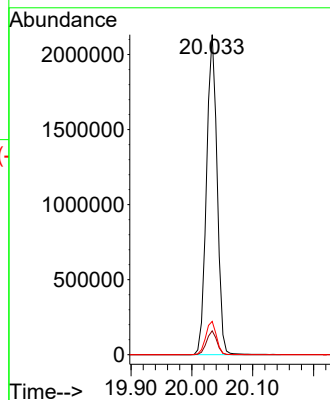
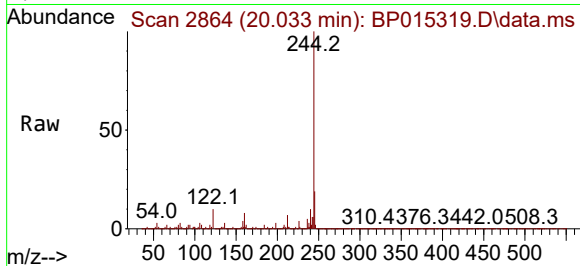




#79
 Terphenyl-d14
 Concen: 54.242 ng
 RT: 20.033 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP015319.D
 Acq: 26 May 2023 20:47

Instrument :
 BNA_P
 ClientSampleId :
 WC17

Tgt Ion:244 Resp: 2578125
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.4 8.2 12.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.121 min Scan# 3559
 Delta R.T. -0.018 min
 Lab File: BP015319.D
 Acq: 26 May 2023 20:47

Tgt Ion:264 Resp: 1052805
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.0 28.6
 265 21.2 17.5 26.3

