

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015315.D
 Acq On : 26 May 2023 18:32
 Operator : CG/JU
 Sample : 02945-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB17B

Quant Time: May 29 02:06:01 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)

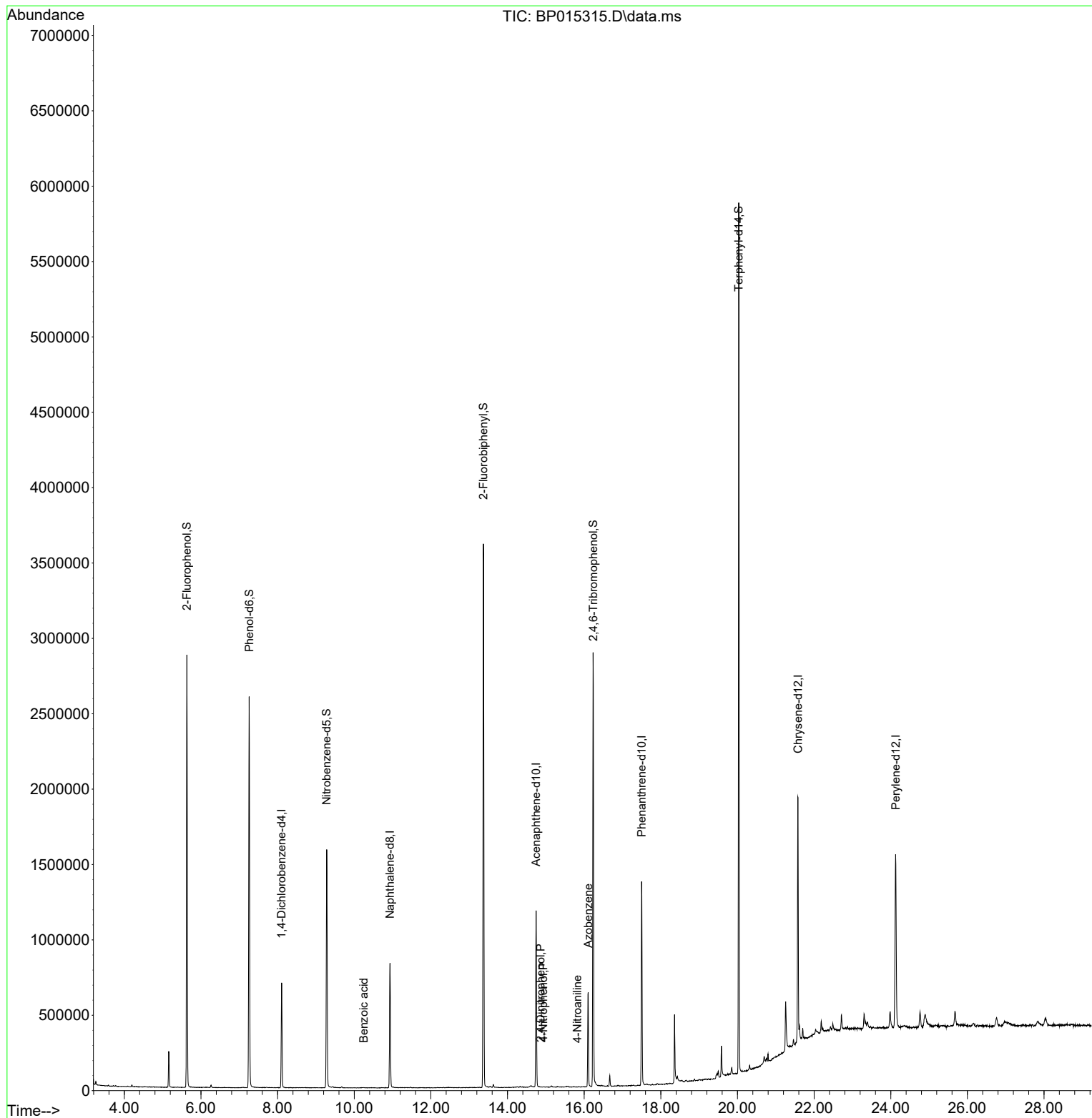
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	176086	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	664013	20.000	ng	0.00
39) Acenaphthene-d10	14.746	164	381814	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	798552	20.000	ng	0.00
76) Chrysene-d12	21.581	240	779282	20.000	ng	0.00
86) Perylene-d12	24.127	264	923805	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1152044	108.413	ng	0.00
7) Phenol-d6	7.258	99	1436433	103.147	ng	0.00
23) Nitrobenzene-d5	9.281	82	917166	67.441	ng	-0.01
42) 2,4,6-Tribromophenol	16.240	330	520015	100.223	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1831940	64.416	ng	-0.01
79) Terphenyl-d14	20.034	244	2621194	63.268	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.258	77	3329	Below Cal	#	10
32) Benzoic acid	10.246	122	69	6.351 ng		93
54) 2,4-Dinitrophenol	14.863	184	17	5.191 ng	#	1
56) 4-Nitrophenol	14.934	139	27	3.434 ng	#	25
62) 4-Nitroaniline	15.822	138	66	2.314 ng	#	1
63) Azobenzene	16.104	77	183921	6.479 ng	#	1

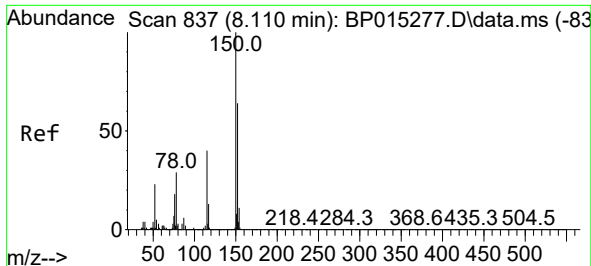
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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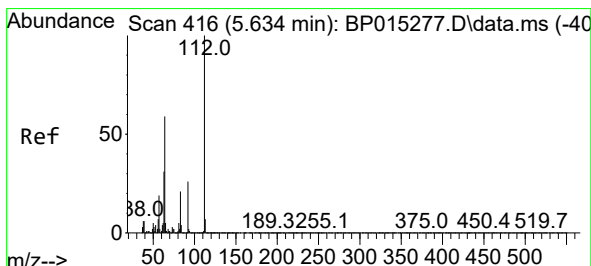
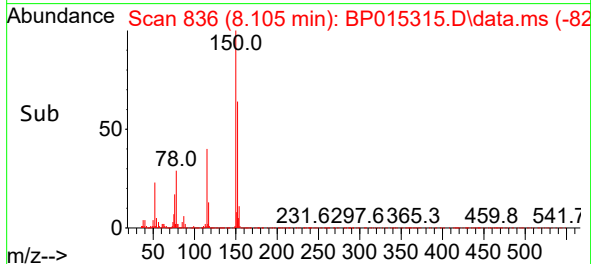
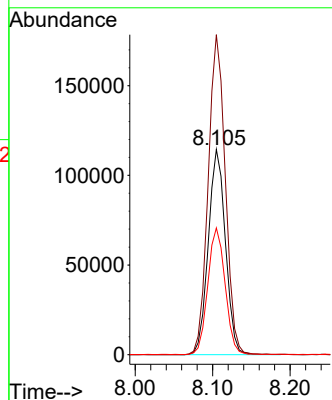
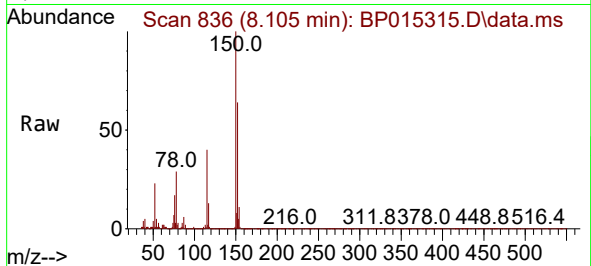




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.105 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP015315.D
Acq: 26 May 2023 18:32

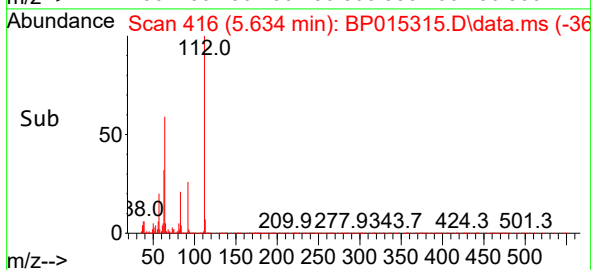
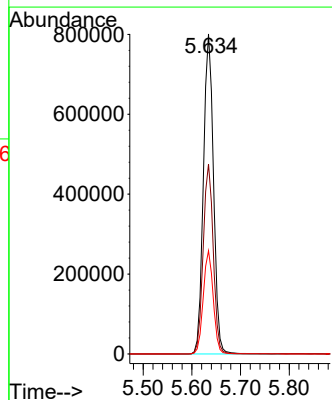
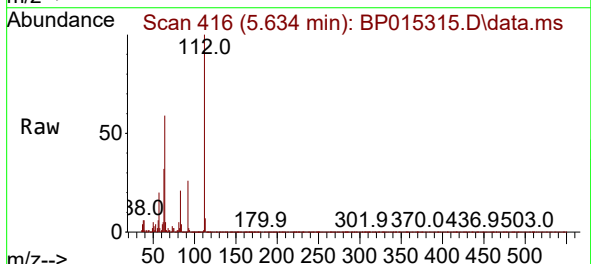
Instrument :
BNA_P
ClientSampleId :
SB17B

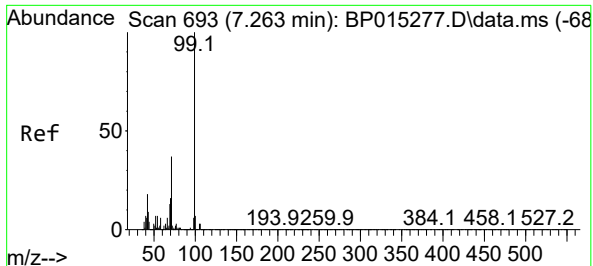
Tgt Ion:152 Resp: 176086
Ion Ratio Lower Upper
152 100
150 155.9 124.2 186.2
115 61.7 49.1 73.7



#5
2-Fluorophenol
Concen: 108.413 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015315.D
Acq: 26 May 2023 18:32

Tgt Ion:112 Resp: 1152044
Ion Ratio Lower Upper
112 100
64 59.3 47.2 70.8
63 32.3 24.6 37.0

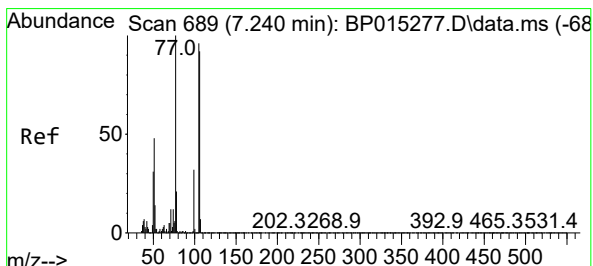
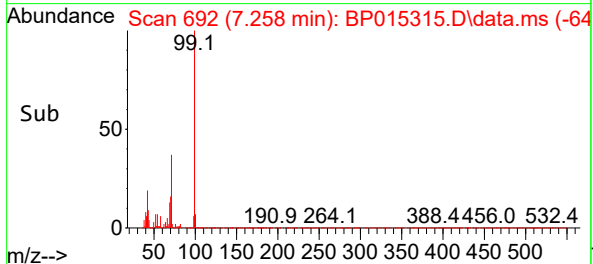
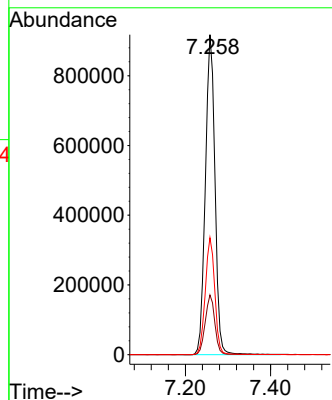
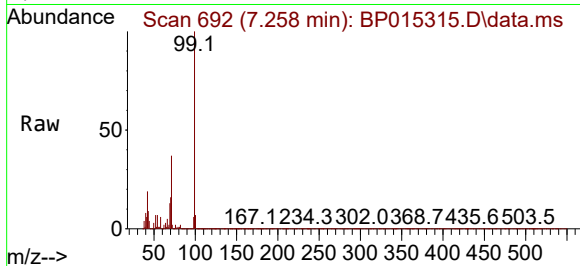




#7
Phenol-d6
Concen: 103.147 ng
RT: 7.258 min Scan# 692
Delta R.T. -0.006 min
Lab File: BP015315.D
Acq: 26 May 2023 18:32

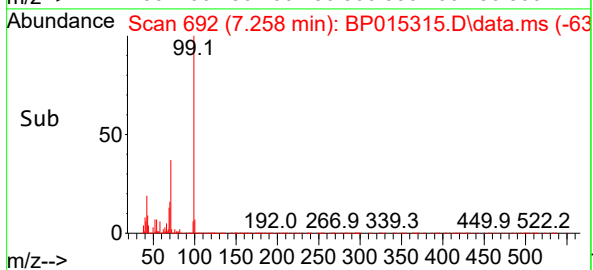
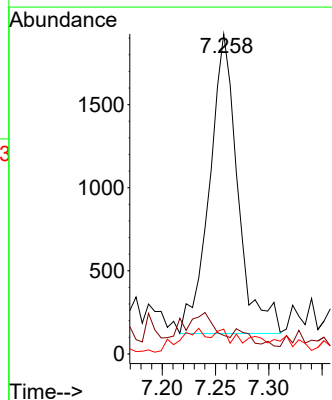
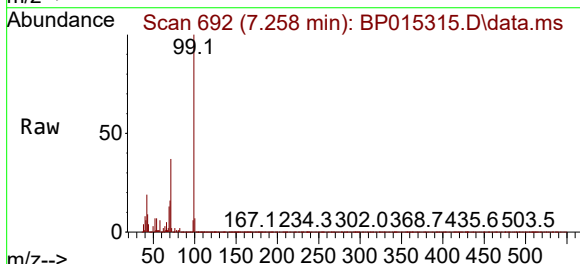
Instrument :
BNA_P
Client SampleId :
SB17B

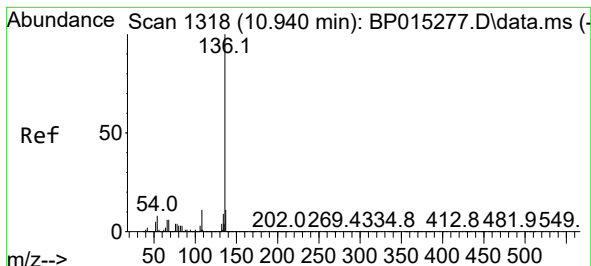
Tgt Ion: 99 Resp: 1436433
Ion Ratio Lower Upper
99 100
42 18.6 14.6 22.0
71 36.6 29.4 44.2



#9
Benzaldehyde
Concen: Below Cal
RT: 7.258 min Scan# 692
Delta R.T. 0.018 min
Lab File: BP015315.D
Acq: 26 May 2023 18:32

Tgt Ion: 77 Resp: 3329
Ion Ratio Lower Upper
77 100
105 5.8 75.9 115.9#
106 7.7 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: BP015315.D

Acq: 26 May 2023 18:32

Instrument :

BNA_P

ClientSampleId :

SB17B

Tgt Ion:136 Resp: 664013

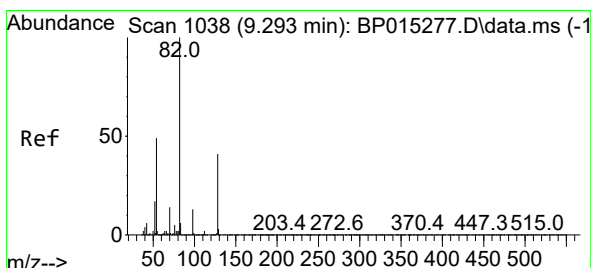
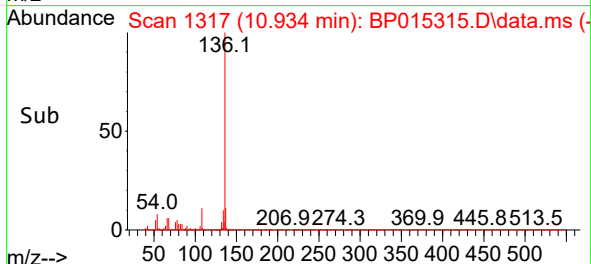
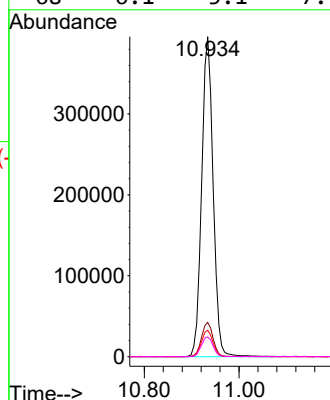
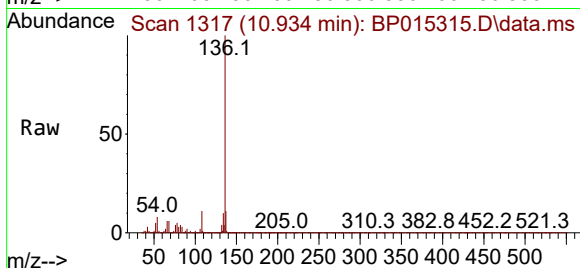
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.3 6.3 9.5

68 6.1 5.1 7.7



#23

Nitrobenzene-d5

Concen: 67.441 ng

RT: 9.281 min Scan# 1036

Delta R.T. -0.012 min

Lab File: BP015315.D

Acq: 26 May 2023 18:32

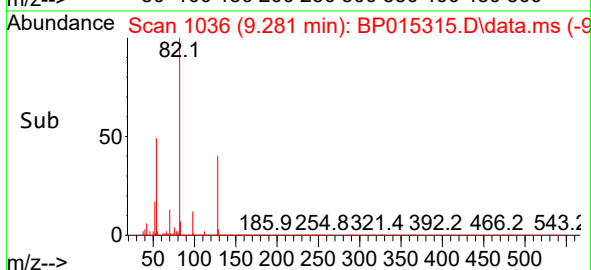
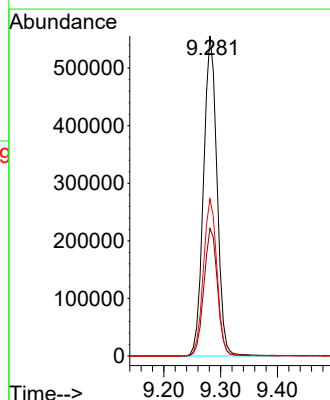
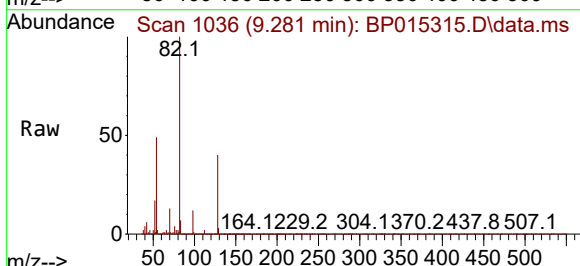
Tgt Ion: 82 Resp: 917166

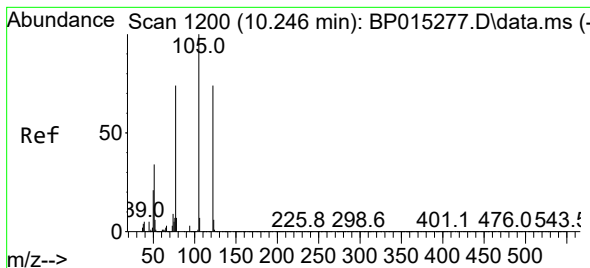
Ion Ratio Lower Upper

82 100

128 39.9 33.0 49.4

54 49.0 39.2 58.8





#32

Benzoic acid

Concen: 6.351 ng

RT: 10.246 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP015315.D

Acq: 26 May 2023 18:32

Instrument :

BNA_P

ClientSampleId :

SB17B

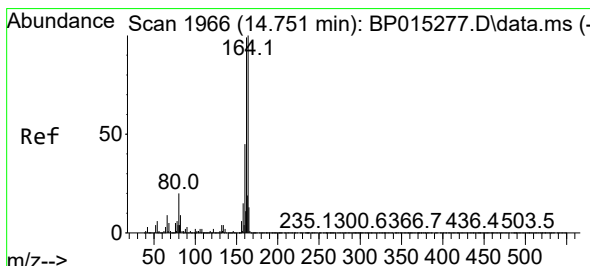
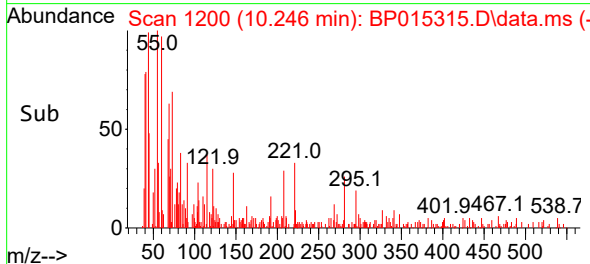
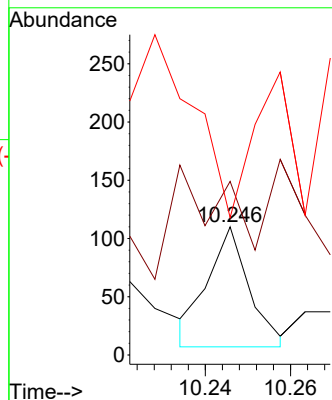
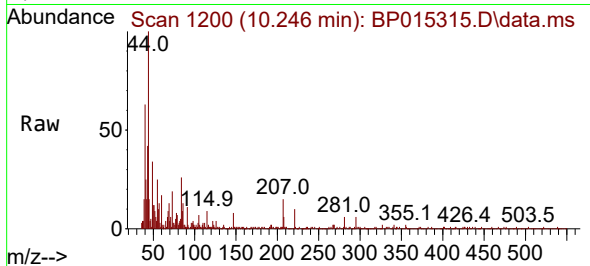
Tgt Ion:122 Resp: 69

Ion Ratio Lower Upper

122 100

105 135.5 109.5 149.5

77 107.3 78.2 118.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.746 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BP015315.D

Acq: 26 May 2023 18:32

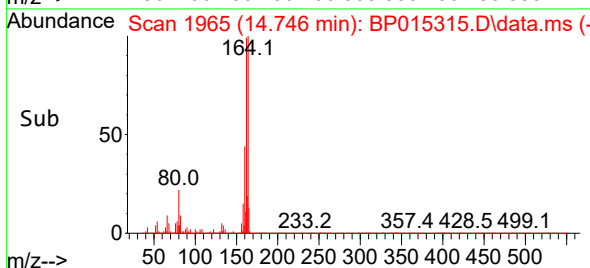
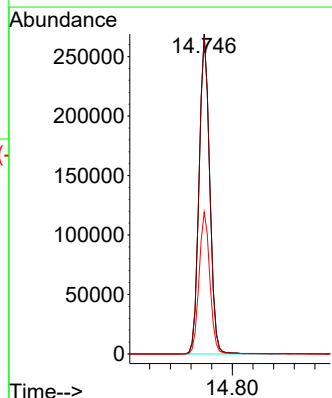
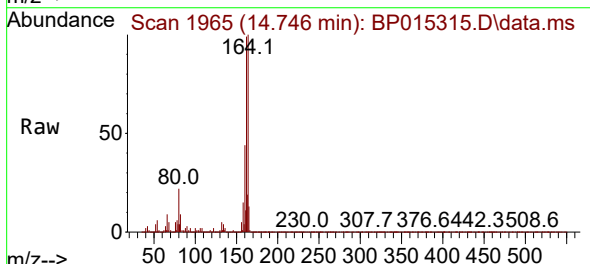
Tgt Ion:164 Resp: 381814

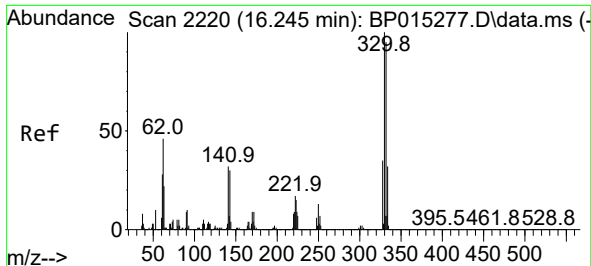
Ion Ratio Lower Upper

164 100

162 99.0 79.4 119.2

160 44.4 35.6 53.4

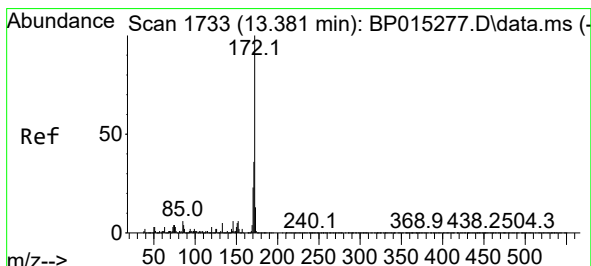
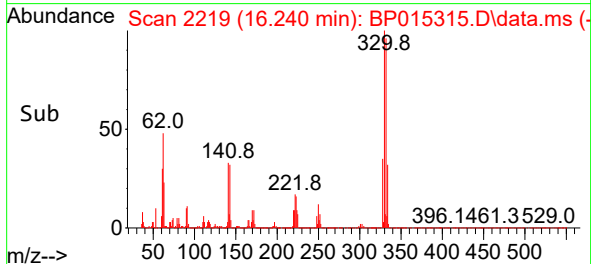
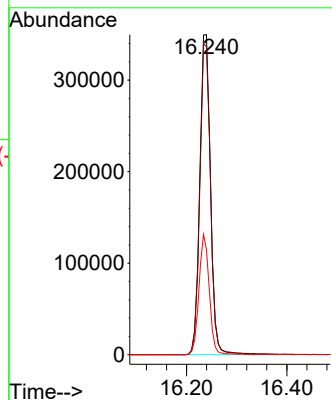
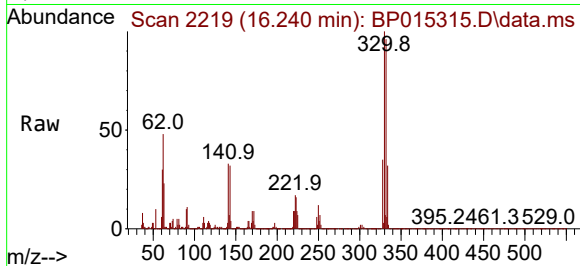




#42
2,4,6-Tribromophenol
Concen: 100.223 ng
RT: 16.240 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP015315.D
Acq: 26 May 2023 18:32

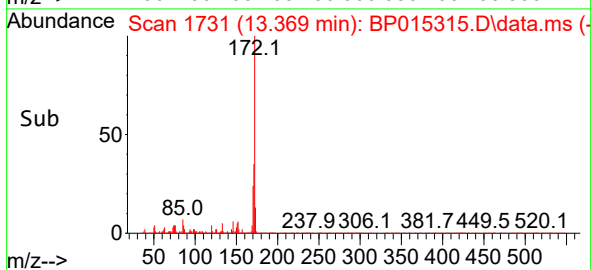
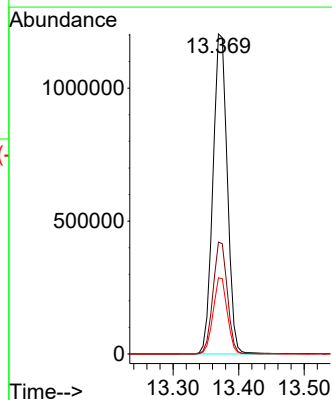
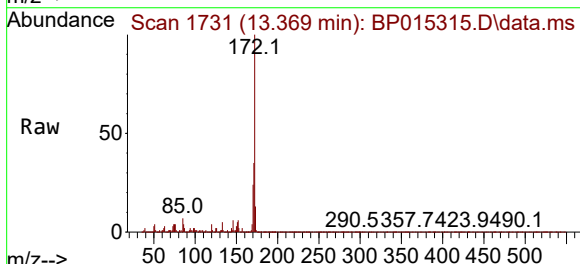
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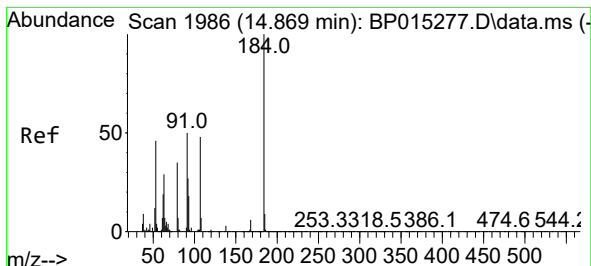
Tgt Ion:330 Resp: 520015
Ion Ratio Lower Upper
330 100
332 96.3 76.3 114.5
141 36.0 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 64.416 ng
RT: 13.369 min Scan# 1731
Delta R.T. -0.012 min
Lab File: BP015315.D
Acq: 26 May 2023 18:32

Tgt Ion:172 Resp: 1831940
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.8 18.7 28.1

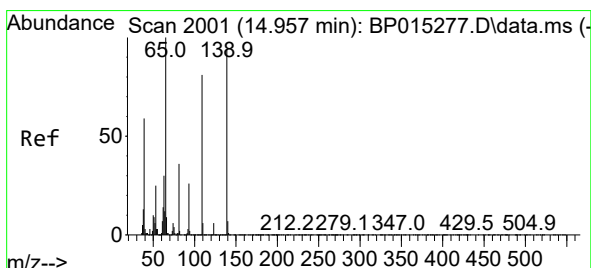
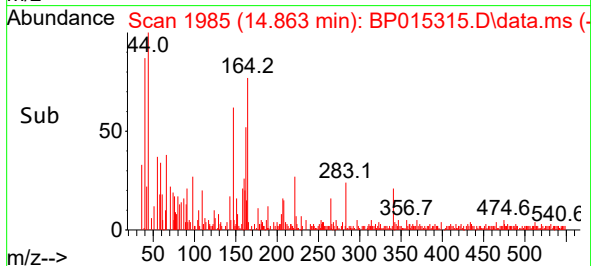
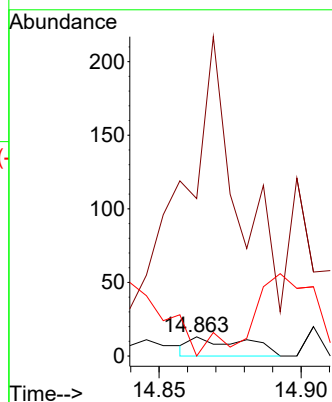
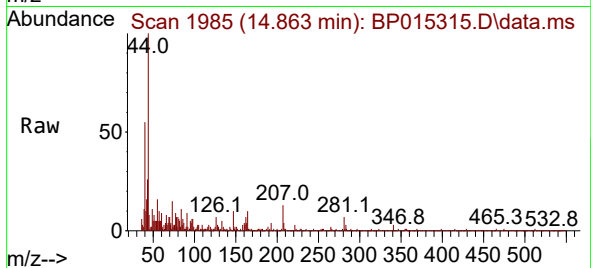




#54
2,4-Dinitrophenol
Concen: 5.191 ng
RT: 14.863 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BP015315.D
Acq: 26 May 2023 18:32

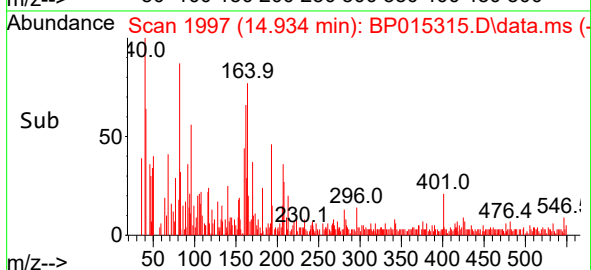
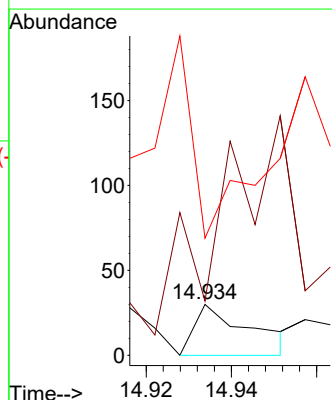
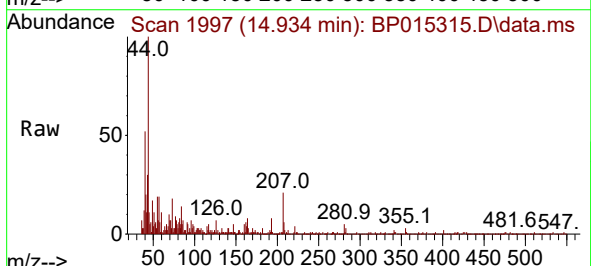
Instrument :
BNA_P
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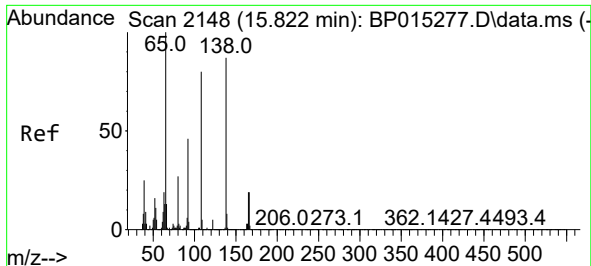
Tgt Ion:184 Resp: 17
Ion Ratio Lower Upper
184 100
63 1030.8 56.2 84.4#
154 0.0 53.2 79.8#



#56
4-Nitrophenol
Concen: 3.434 ng
RT: 14.934 min Scan# 1997
Delta R.T. -0.023 min
Lab File: BP015315.D
Acq: 26 May 2023 18:32

Tgt Ion:139 Resp: 27
Ion Ratio Lower Upper
139 100
109 106.7 66.5 106.5#
65 230.0 86.6 126.6#

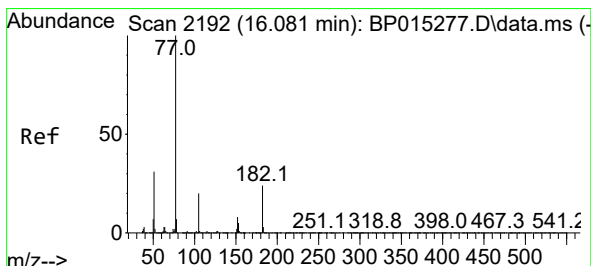
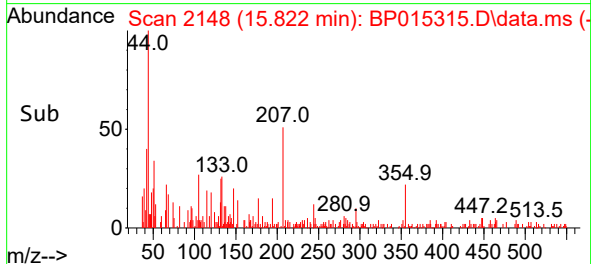
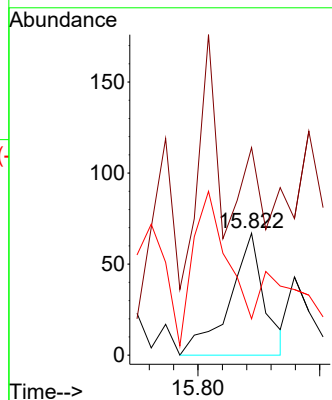
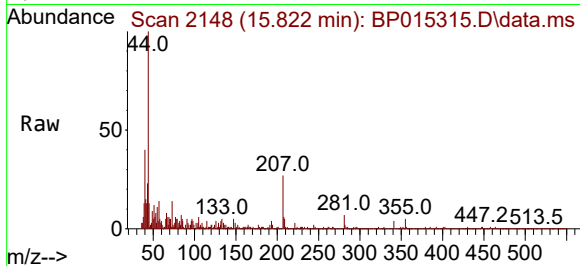




#62
4-Nitroaniline
Concen: 2.314 ng
RT: 15.822 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BP015315.D
Acq: 26 May 2023 18:32

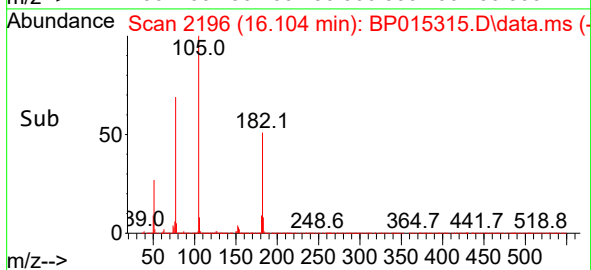
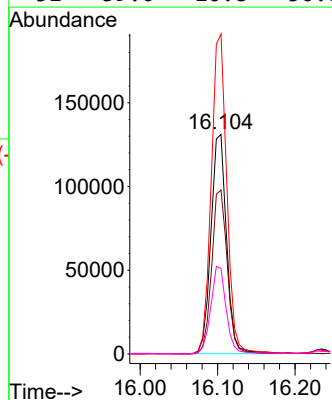
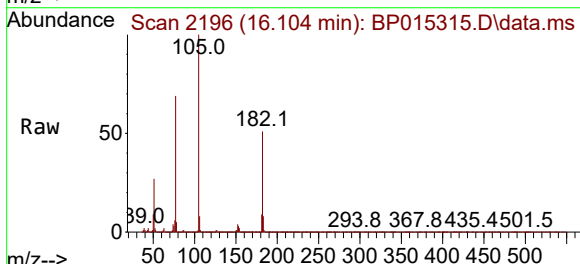
Instrument :
BNA_P
ClientSampleId :
SB17B

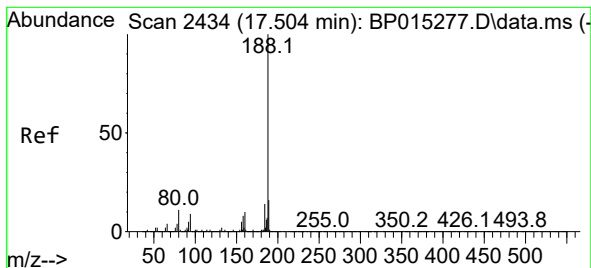
Tgt Ion:138 Resp: 66
Ion Ratio Lower Upper
138 100
92 170.1 33.1 73.1#
108 29.9 71.0 111.0#



#63
Azobenzene
Concen: 6.479 ng
RT: 16.104 min Scan# 2196
Delta R.T. 0.024 min
Lab File: BP015315.D
Acq: 26 May 2023 18:32

Tgt Ion: 77 Resp: 183921
Ion Ratio Lower Upper
77 100
182 74.6 3.9 43.9#
105 145.8 0.3 40.3#
51 39.0 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: BP015315.D

Acq: 26 May 2023 18:32

Instrument :

BNA_P

ClientSampleId :

SB17B

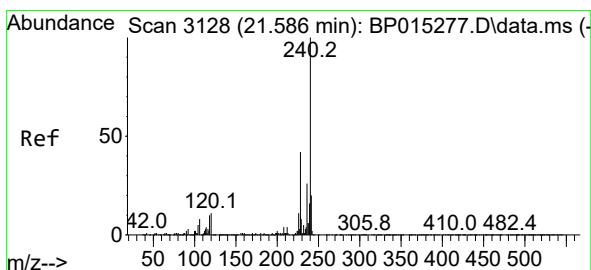
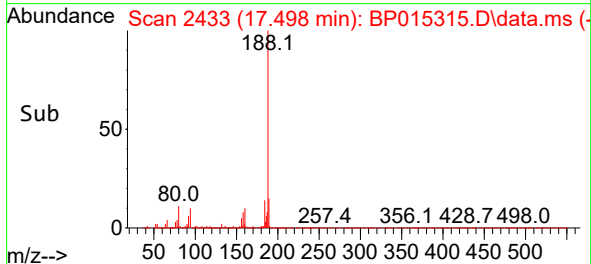
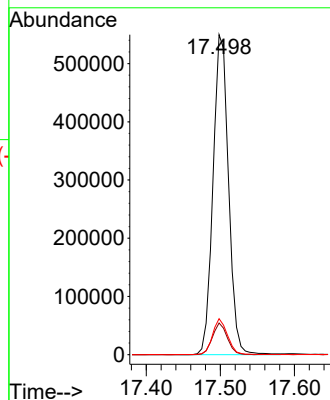
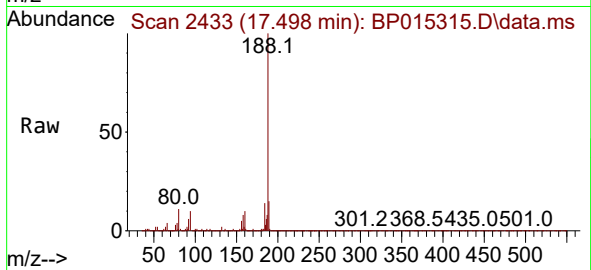
Tgt Ion:188 Resp: 798552

Ion Ratio Lower Upper

188 100

94 9.9 7.4 11.0

80 11.3 8.6 13.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.581 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BP015315.D

Acq: 26 May 2023 18:32

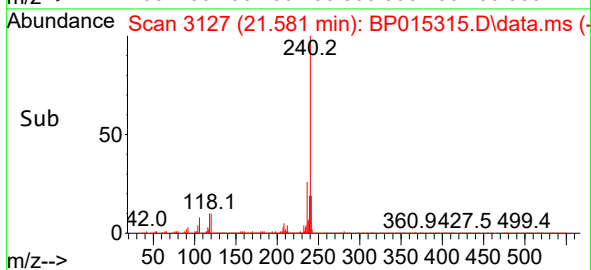
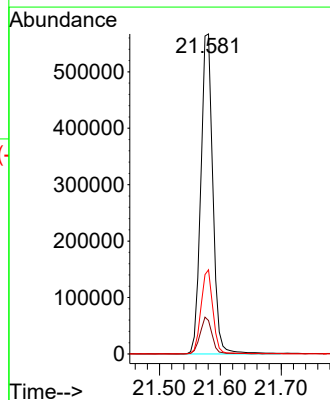
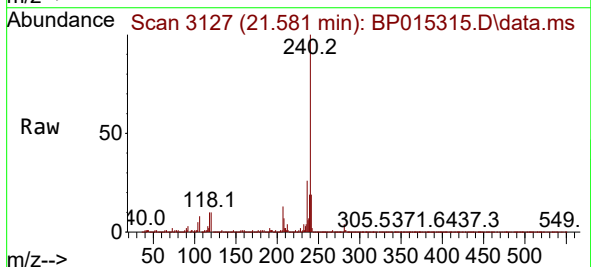
Tgt Ion:240 Resp: 779282

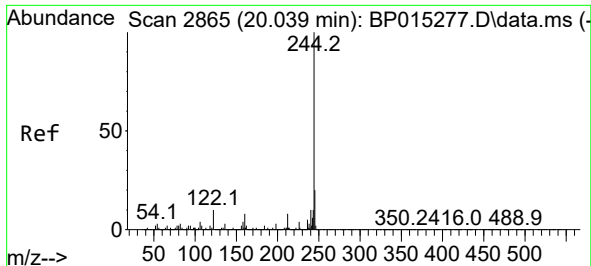
Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

236 26.3 20.5 30.7





#79

Terphenyl-d14

Concen: 63.268 ng

RT: 20.034 min Scan# 2

Delta R.T. -0.006 min

Lab File: BP015315.D

Acq: 26 May 2023 18:32

Instrument :

BNA_P

ClientSampleId :

SB17B

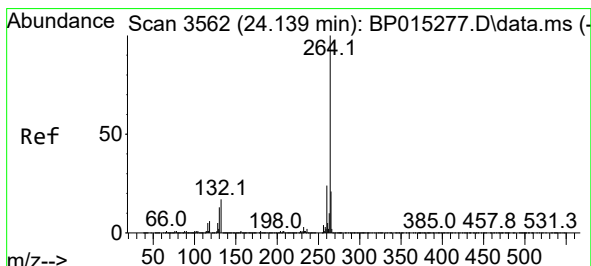
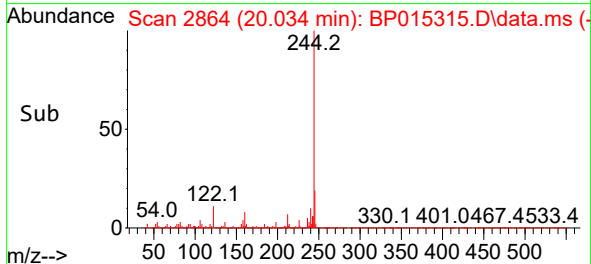
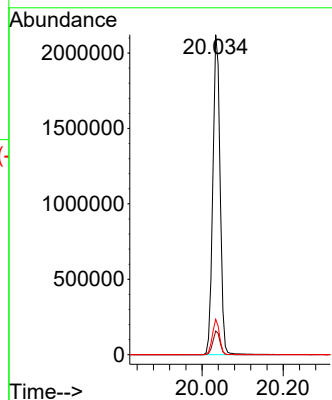
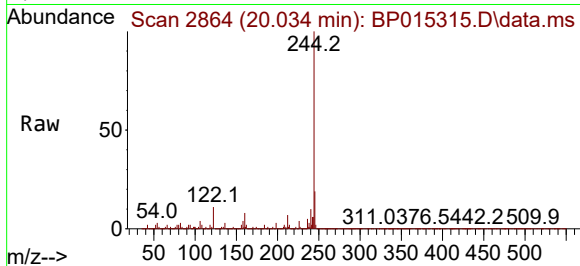
Tgt Ion:244 Resp: 2621194

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 11.0 8.2 12.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.127 min Scan# 3560

Delta R.T. -0.012 min

Lab File: BP015315.D

Acq: 26 May 2023 18:32

Tgt Ion:264 Resp: 923805

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 22.0 17.5 26.3

