

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015321.D
 Acq On : 26 May 2023 21:54
 Operator : CG/JU
 Sample : 02945-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB20

Quant Time: May 29 02:08:42 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)

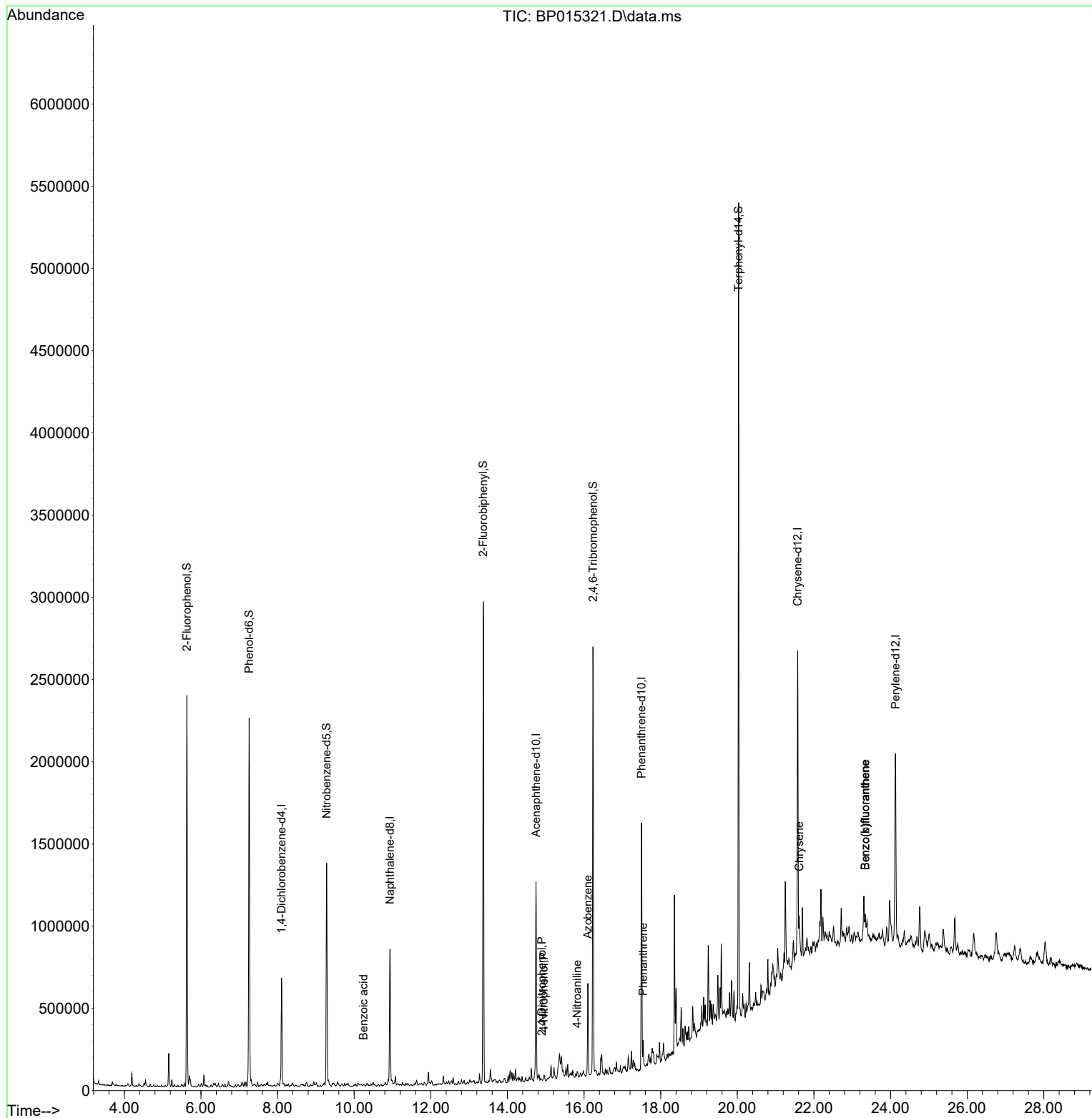
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.104	152	170123	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	660189	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	397255	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	878909	20.000	ng	0.00
76) Chrysene-d12	21.574	240	829505	20.000	ng	-0.01
86) Perylene-d12	24.127	264	967855	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	975283	94.996	ng	0.00
7) Phenol-d6	7.257	99	1233530	91.681	ng	0.00
23) Nitrobenzene-d5	9.281	82	776274	57.412	ng	-0.01
42) 2,4,6-Tribromophenol	16.233	330	475851	88.146	ng	-0.01
45) 2-Fluorobiphenyl	13.369	172	1458885	49.304	ng	-0.01
79) Terphenyl-d14	20.033	244	2230755	50.584	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.240	77	14366	Below Cal	#	71
32) Benzoic acid	10.240	122	175	6.362	ng	# 62
54) 2,4-Dinitrophenol	14.898	184	81	5.205	ng	# 1
56) 4-Nitrophenol	14.945	139	1662	3.699	ng	# 84
62) 4-Nitroaniline	15.816	138	128	2.322	ng	# 1
63) Azobenzene	16.098	77	158817	5.377	ng	# 1
71) Phenanthrene	17.539	178	101771	2.173	ng	99
83) Chrysene	21.615	228	195855	3.544	ng	# 91
88) Benzo(b)fluoranthene	23.339	252	125890	2.139	ng	# 91
89) Benzo(k)fluoranthene	23.339	252	125890	2.124	ng	# 90

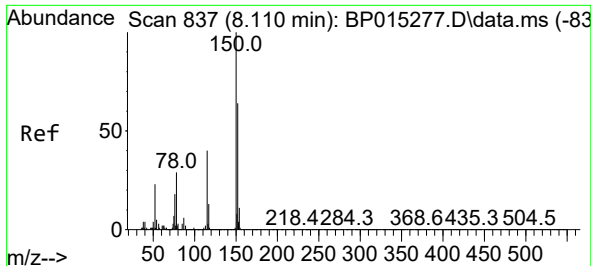
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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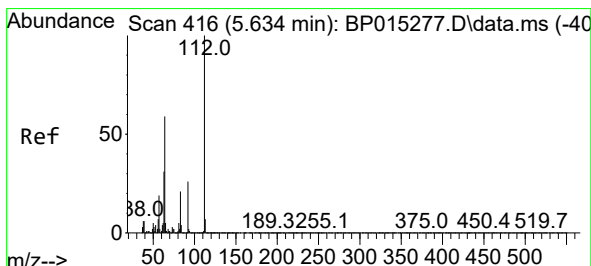
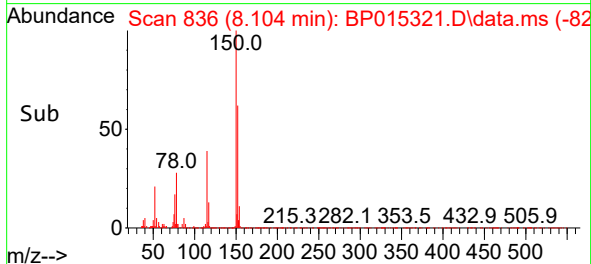
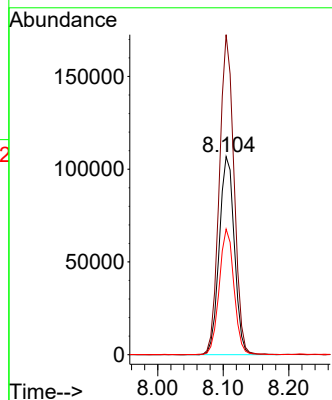
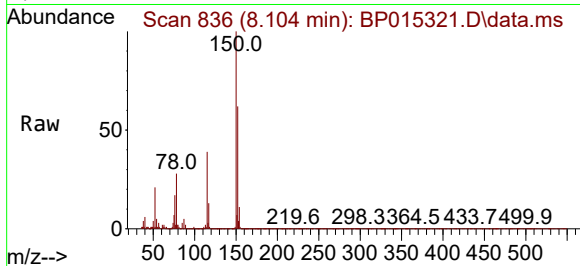




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.104 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP015321.D
Acq: 26 May 2023 21:54

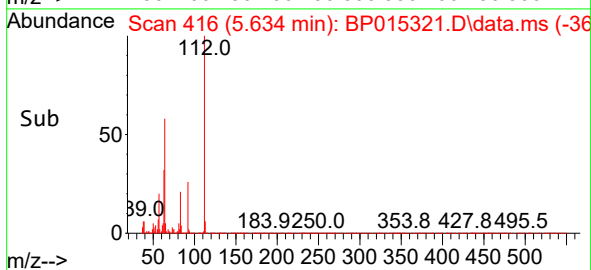
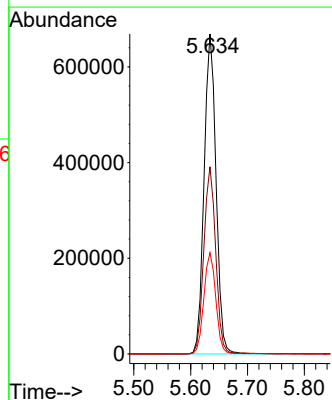
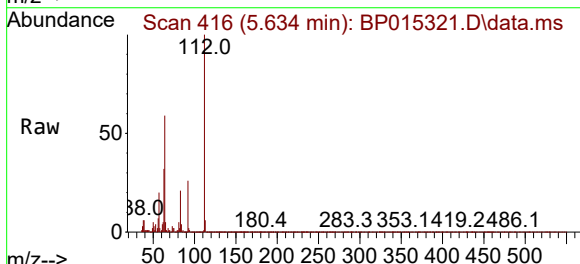
Instrument :
BNA_P
ClientSampleId :
SB20

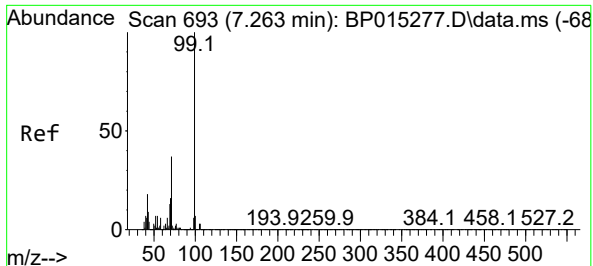
Tgt Ion:152 Resp: 170123
Ion Ratio Lower Upper
152 100
150 161.5 124.2 186.2
115 63.4 49.1 73.7



#5
2-Fluorophenol
Concen: 94.996 ng
RT: 5.634 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP015321.D
Acq: 26 May 2023 21:54

Tgt Ion:112 Resp: 975283
Ion Ratio Lower Upper
112 100
64 58.5 47.2 70.8
63 31.6 24.6 37.0





#7

Phenol-d6

Concen: 91.681 ng

RT: 7.257 min Scan# 693

Delta R.T. -0.006 min

Lab File: BP015321.D

Acq: 26 May 2023 21:54

Instrument :

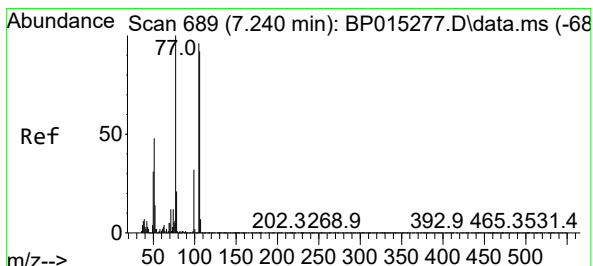
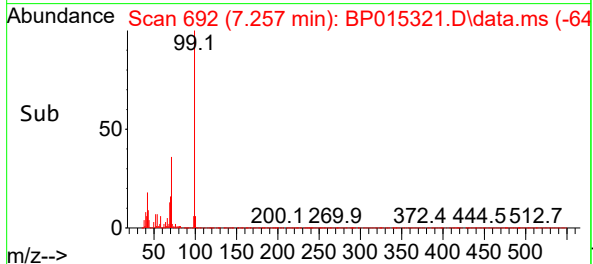
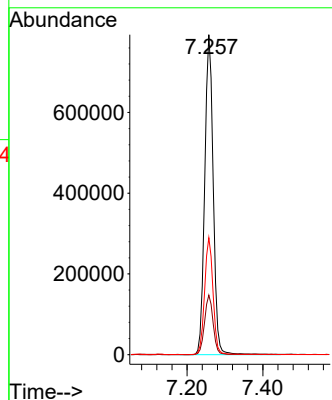
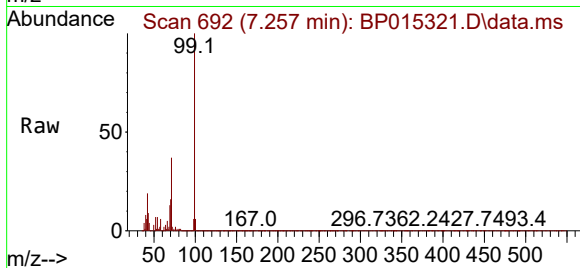
BNA_P

ClientSampleId :

SB20

Tgt Ion: 99 Resp: 1233530

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: 7.240 min Scan# 689

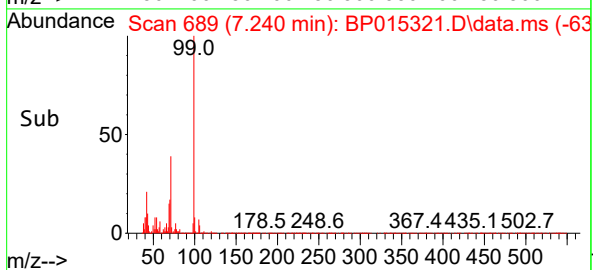
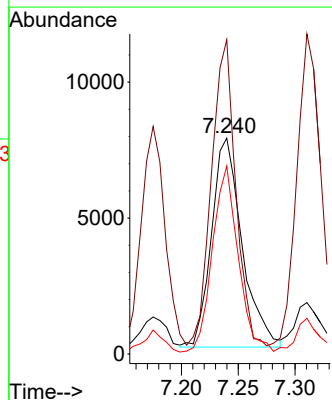
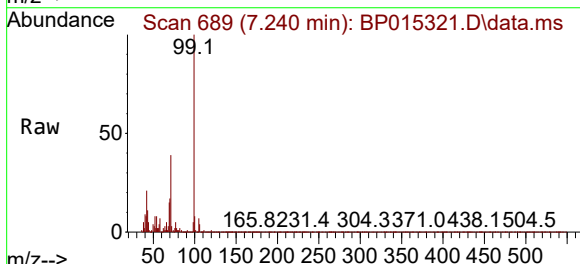
Delta R.T. -0.000 min

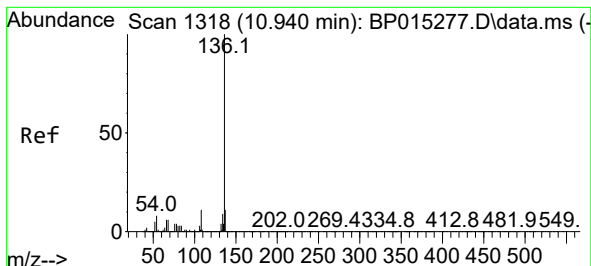
Lab File: BP015321.D

Acq: 26 May 2023 21:54

Tgt Ion: 77 Resp: 14366

Ion	Ratio	Lower	Upper
77	100		
105	145.7	75.9	115.9#
106	87.1	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: BP015321.D

Acq: 26 May 2023 21:54

Instrument :

BNA_P

ClientSampleId :

SB20

Tgt Ion:136 Resp: 660189

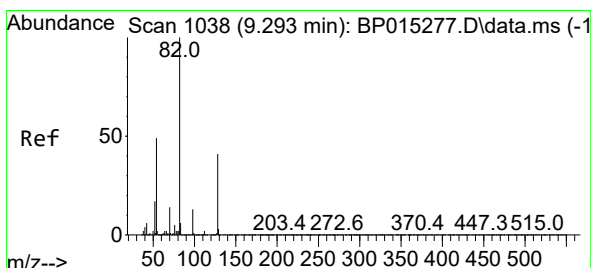
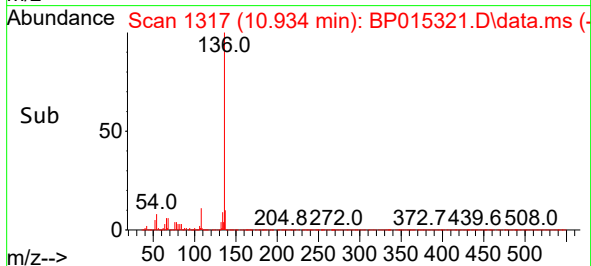
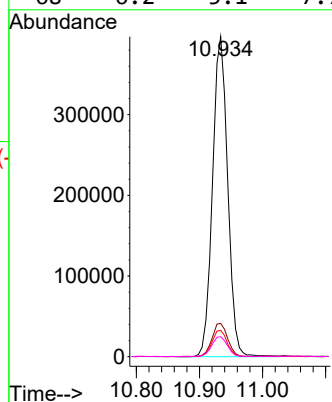
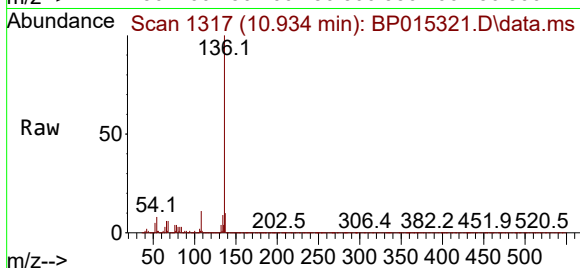
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 8.2 6.3 9.5

68 6.2 5.1 7.7



#23

Nitrobenzene-d5

Concen: 57.412 ng

RT: 9.281 min Scan# 1036

Delta R.T. -0.012 min

Lab File: BP015321.D

Acq: 26 May 2023 21:54

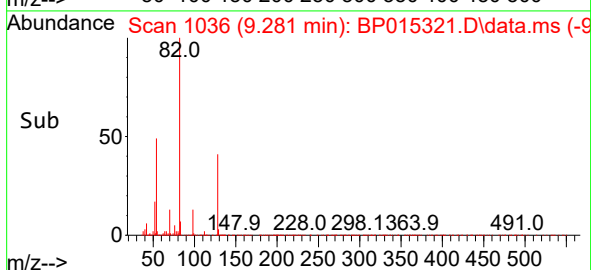
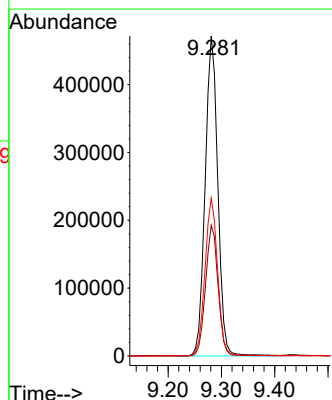
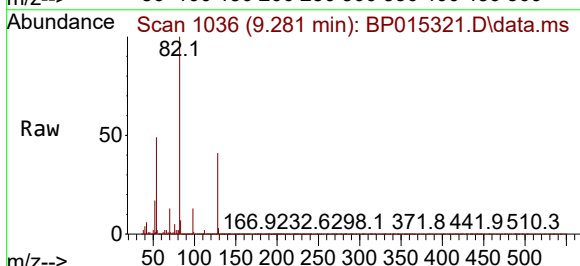
Tgt Ion: 82 Resp: 776274

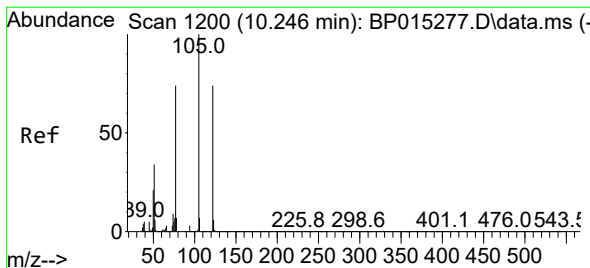
Ion Ratio Lower Upper

82 100

128 40.9 33.0 49.4

54 49.3 39.2 58.8





#32

Benzoic acid

Concen: 6.362 ng

RT: 10.240 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BP015321.D

Acq: 26 May 2023 21:54

Instrument :

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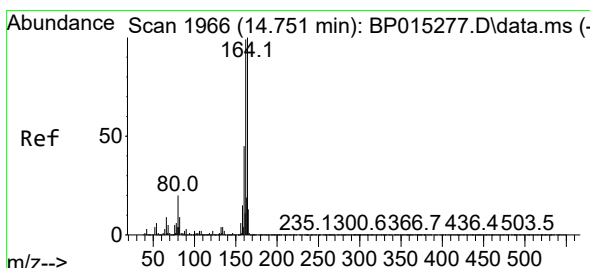
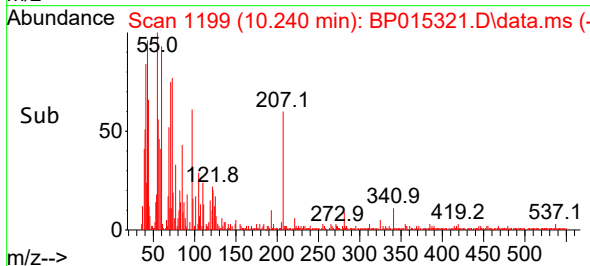
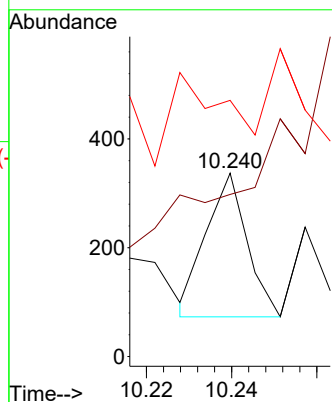
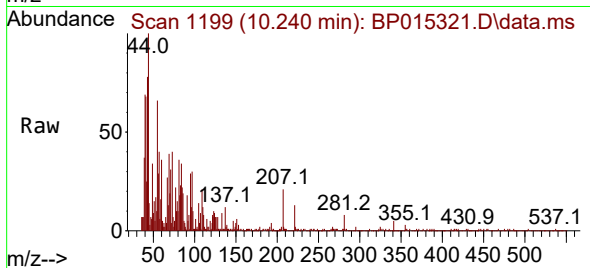
Tgt Ion:122 Resp: 175

Ion Ratio Lower Upper

122 100

105 88.4 109.5 149.5#

77 139.8 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: BP015321.D

Acq: 26 May 2023 21:54

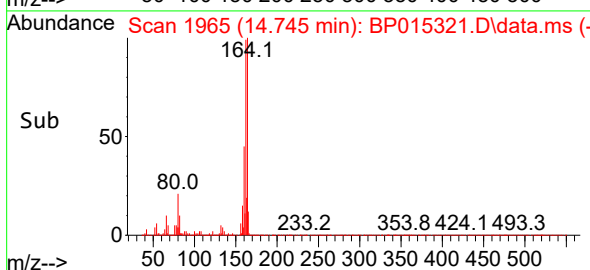
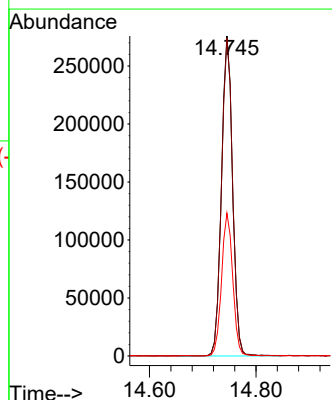
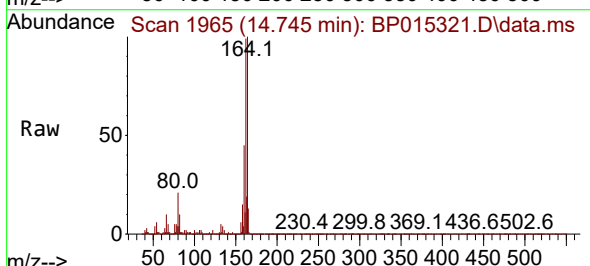
Tgt Ion:164 Resp: 397255

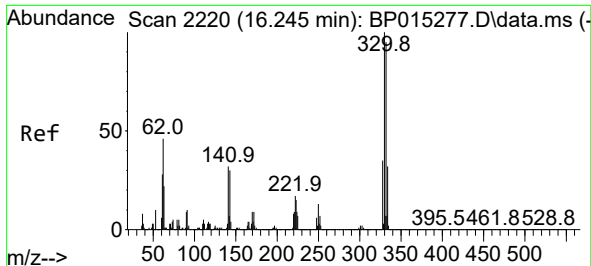
Ion Ratio Lower Upper

164 100

162 99.3 79.4 119.2

160 44.6 35.6 53.4

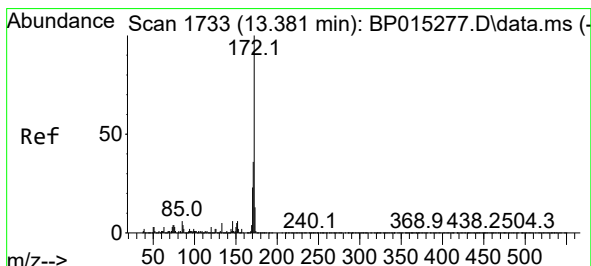
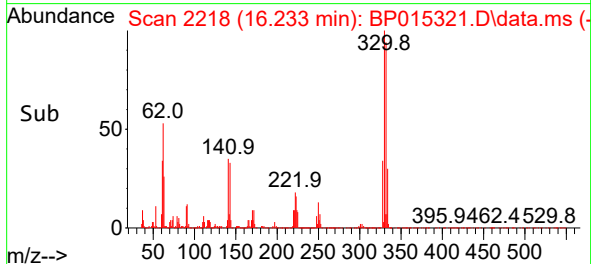
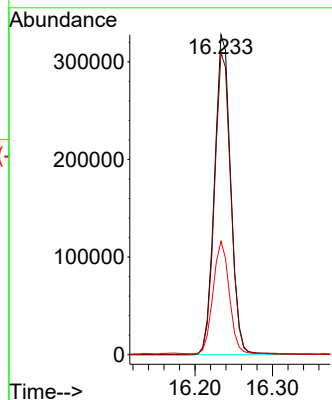
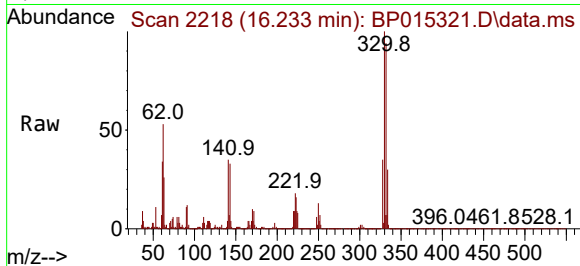




#42
2,4,6-Tribromophenol
Concen: 88.146 ng
RT: 16.233 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP015321.D
Acq: 26 May 2023 21:54

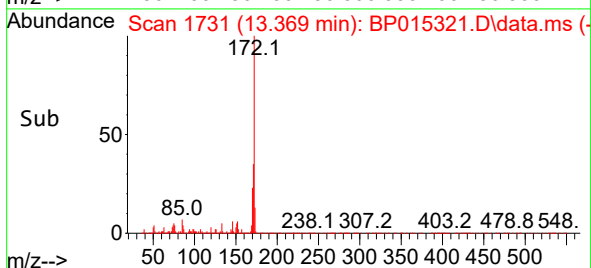
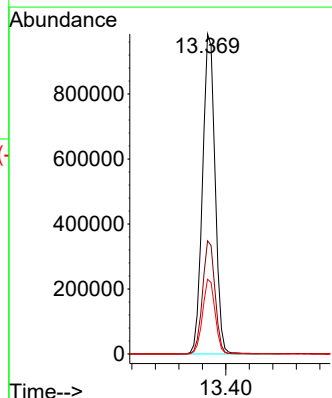
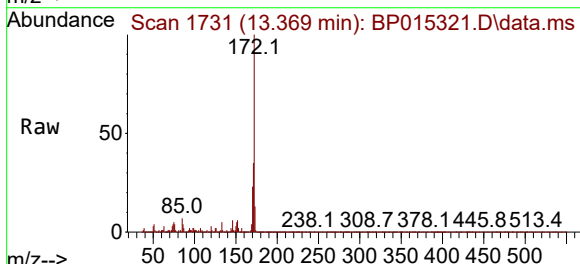
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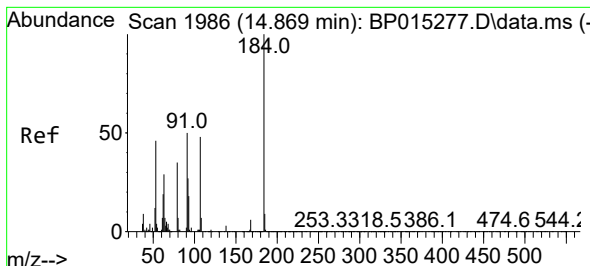
Tgt Ion: 330 Resp: 475851
Ion Ratio Lower Upper
330 100
332 95.1 76.3 114.5
141 35.0 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 49.304 ng
RT: 13.369 min Scan# 1731
Delta R.T. -0.012 min
Lab File: BP015321.D
Acq: 26 May 2023 21:54

Tgt Ion: 172 Resp: 1458885
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.3 18.7 28.1

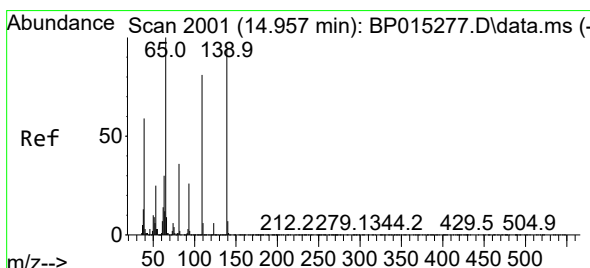
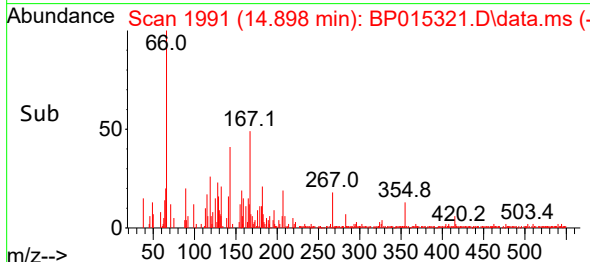
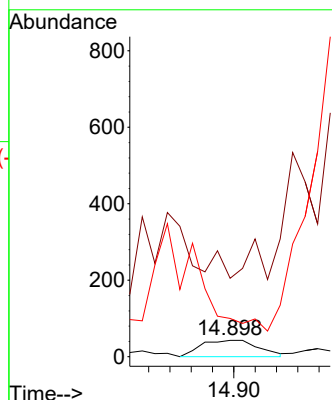
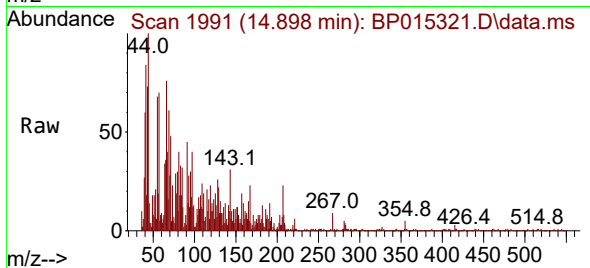




#54
2,4-Dinitrophenol
Concen: 5.205 ng
RT: 14.898 min Scan# 1991
Delta R.T. 0.029 min
Lab File: BP015321.D
Acq: 26 May 2023 21:54

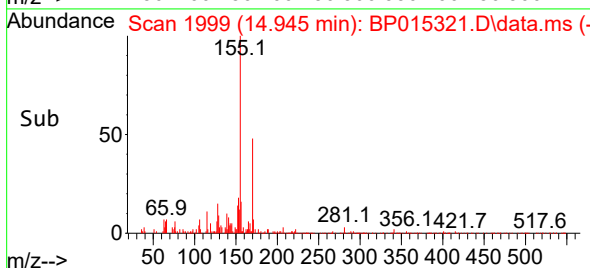
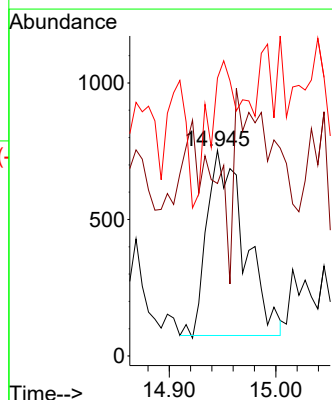
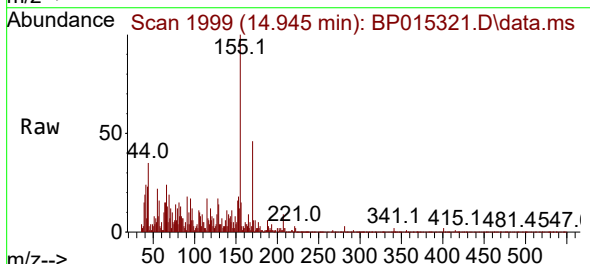
Instrument :
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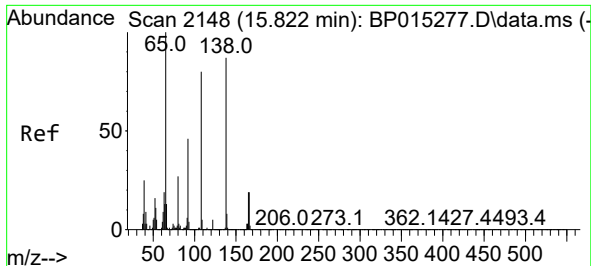
Tgt Ion:184 Resp: 81
Ion Ratio Lower Upper
184 100
63 476.7 56.2 84.4#
154 232.6 53.2 79.8#



#56
4-Nitrophenol
Concen: 3.699 ng
RT: 14.945 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BP015321.D
Acq: 26 May 2023 21:54

Tgt Ion:139 Resp: 1662
Ion Ratio Lower Upper
139 100
109 83.9 66.5 106.5
65 135.2 86.6 126.6#

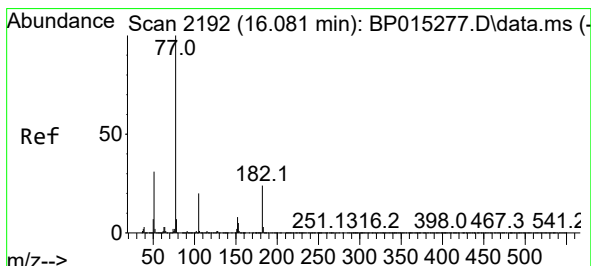
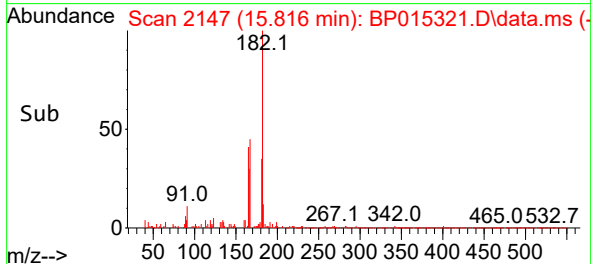
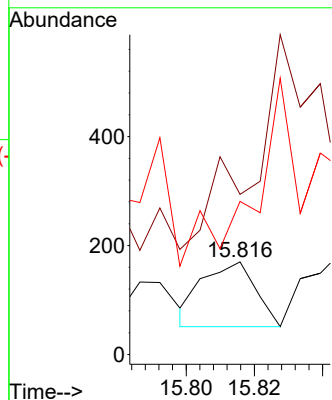
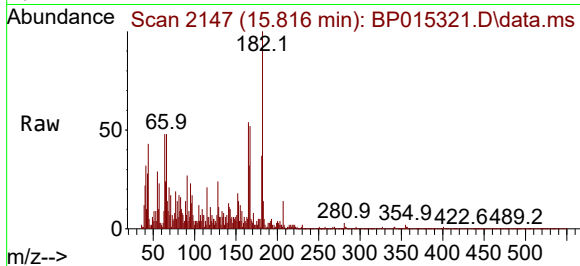




#62
4-Nitroaniline
Concen: 2.322 ng
RT: 15.816 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP015321.D
Acq: 26 May 2023 21:54

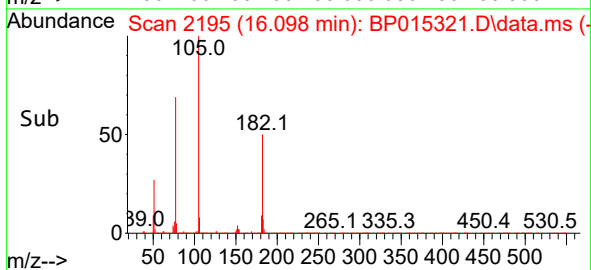
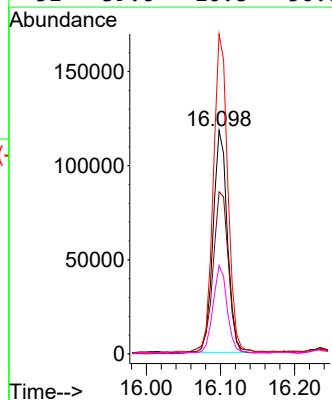
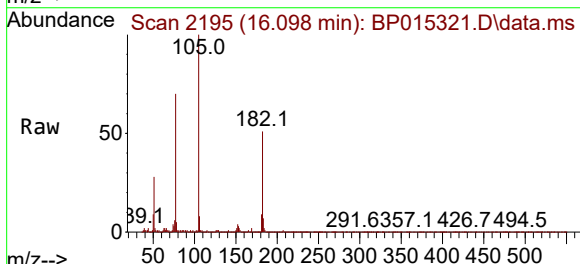
Instrument :
BNA_P
ClientSampleId :
SB20

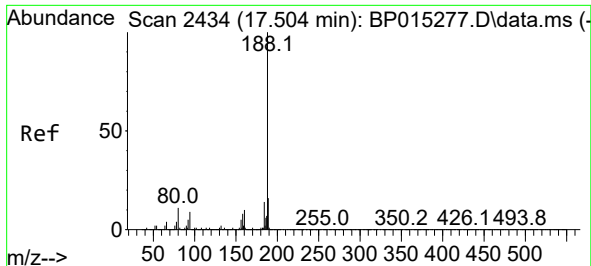
Tgt Ion:138 Resp: 128
Ion Ratio Lower Upper
138 100
92 172.9 33.1 73.1#
108 165.3 71.0 111.0#



#63
Azobenzene
Concen: 5.377 ng
RT: 16.098 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BP015321.D
Acq: 26 May 2023 21:54

Tgt Ion: 77 Resp: 158817
Ion Ratio Lower Upper
77 100
182 72.5 3.9 43.9#
105 143.2 0.3 40.3#
51 39.6 10.8 50.8

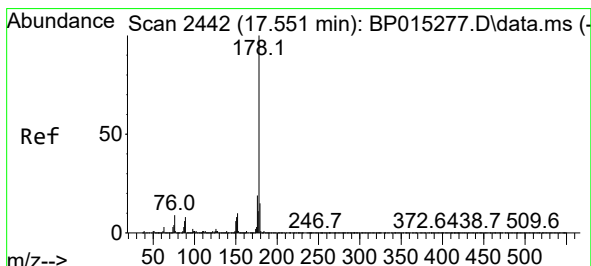
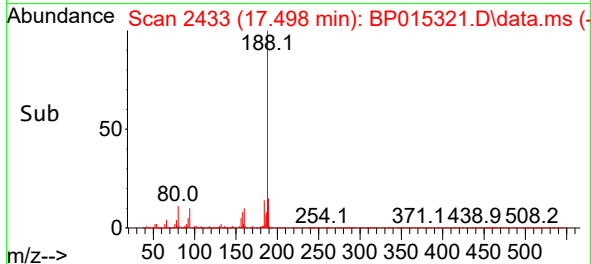
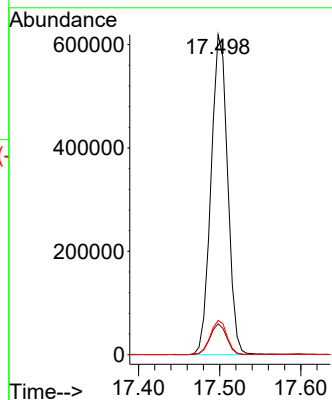
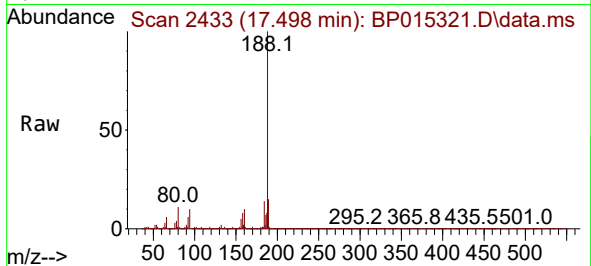




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP015321.D
Acq: 26 May 2023 21:54

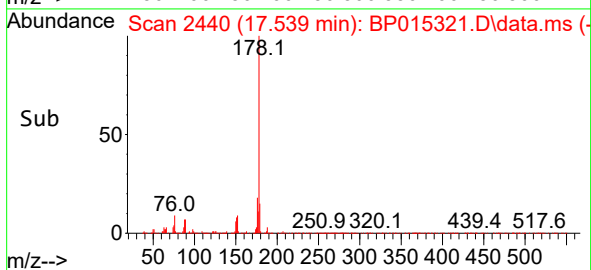
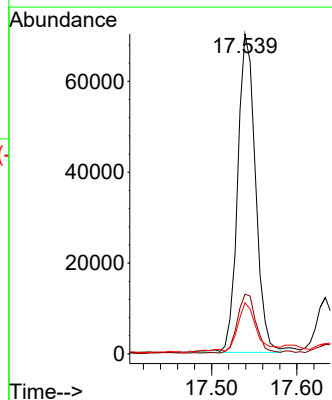
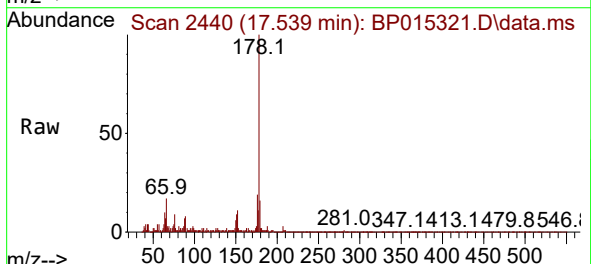
Instrument :
BNA_P
ClientSampleId :
SB20

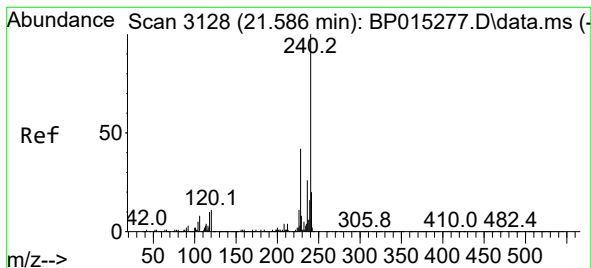
Tgt Ion:188 Resp: 878909
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.0
80 10.7 8.6 13.0



#71
Phenanthrene
Concen: 2.173 ng
RT: 17.539 min Scan# 2440
Delta R.T. -0.012 min
Lab File: BP015321.D
Acq: 26 May 2023 21:54

Tgt Ion:178 Resp: 101771
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 16.0 12.3 18.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 3128

Delta R.T. -0.012 min

Lab File: BP015321.D

Acq: 26 May 2023 21:54

Instrument :

BNA_P

ClientSampleId :

SB20

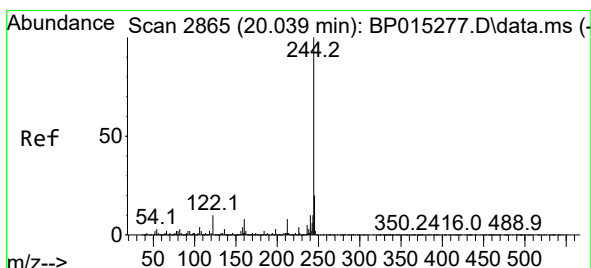
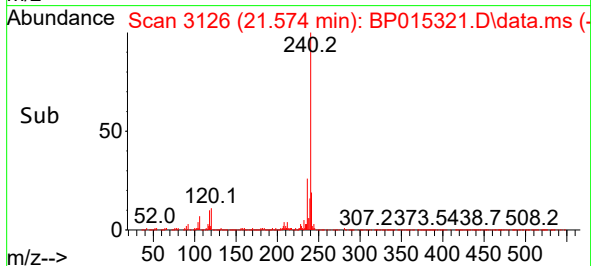
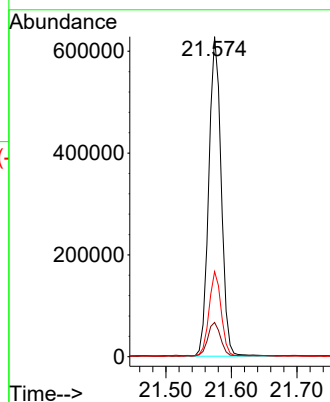
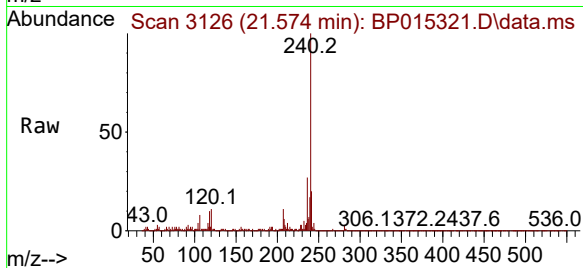
Tgt Ion:240 Resp: 829505

Ion Ratio Lower Upper

240 100

120 10.7 8.8 13.2

236 26.6 20.5 30.7



#79

Terphenyl-d14

Concen: 50.584 ng

RT: 20.033 min Scan# 2864

Delta R.T. -0.006 min

Lab File: BP015321.D

Acq: 26 May 2023 21:54

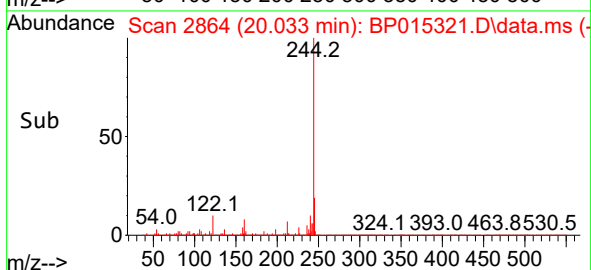
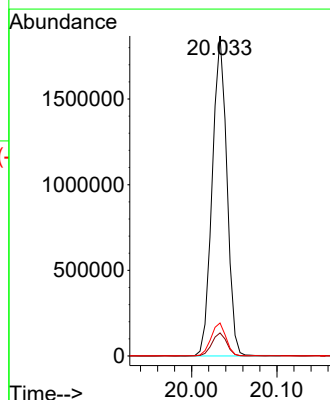
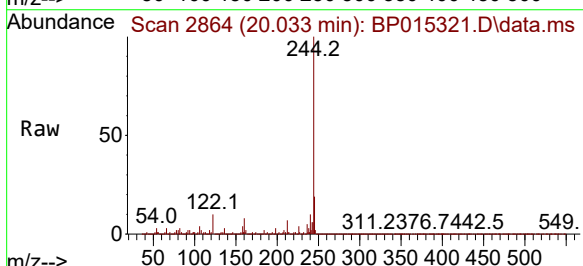
Tgt Ion:244 Resp: 2230755

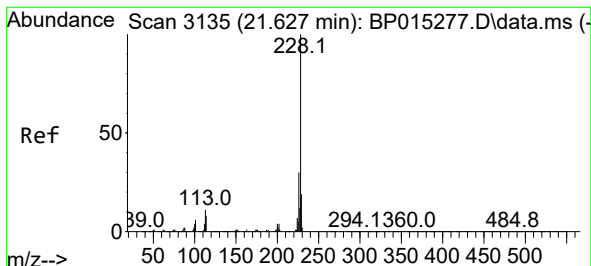
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 10.3 8.2 12.4





#83

Chrysene

Concen: 3.544 ng

RT: 21.615 min Scan# 3135

Delta R.T. -0.012 min

Lab File: BP015321.D

Acq: 26 May 2023 21:54

Instrument :

BNA_P

ClientSampleId :

SB20

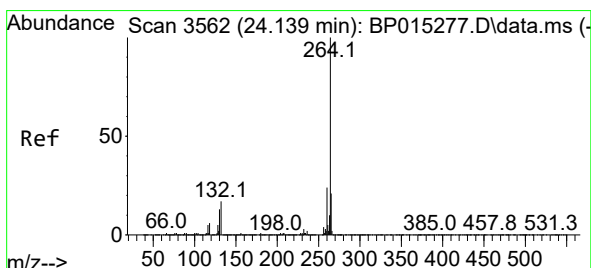
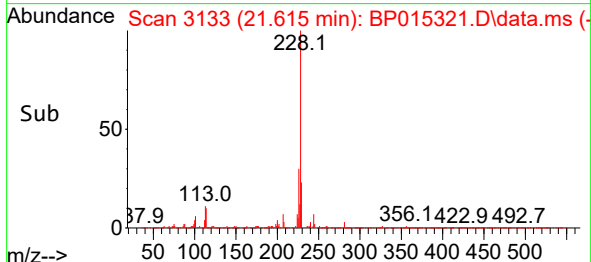
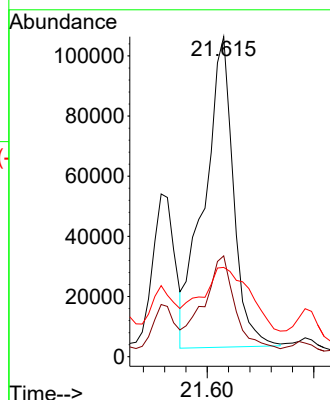
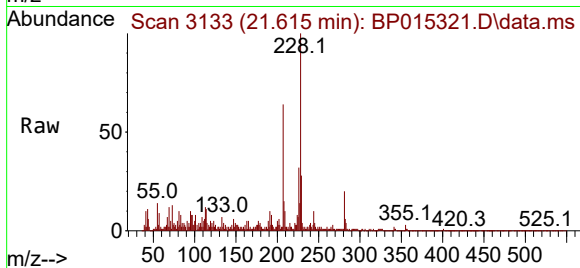
Tgt Ion:228 Resp: 195855

Ion Ratio Lower Upper

228 100

226 31.5 23.8 35.6

229 27.9 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.127 min Scan# 3560

Delta R.T. -0.012 min

Lab File: BP015321.D

Acq: 26 May 2023 21:54

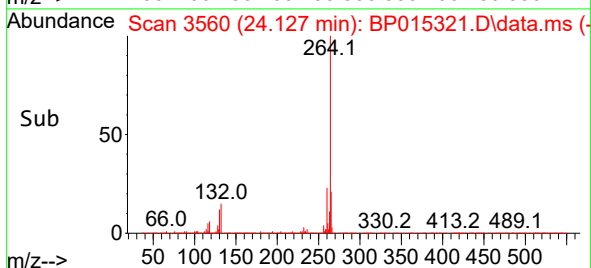
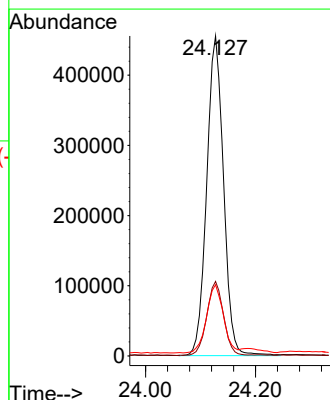
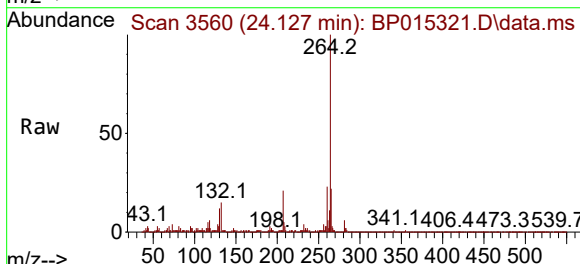
Tgt Ion:264 Resp: 967855

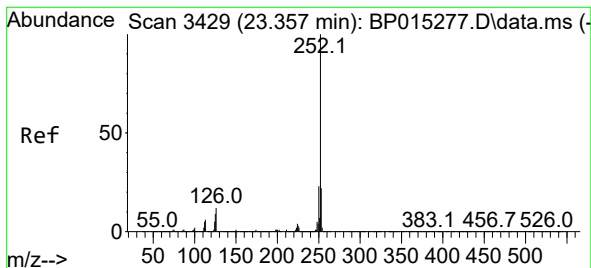
Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 22.2 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.139 ng

RT: 23.339 min Scan# 3426

Delta R.T. -0.018 min

Lab File: BP015321.D

Acq: 26 May 2023 21:54

Instrument :

BNA_P

ClientSampleId :

SB20

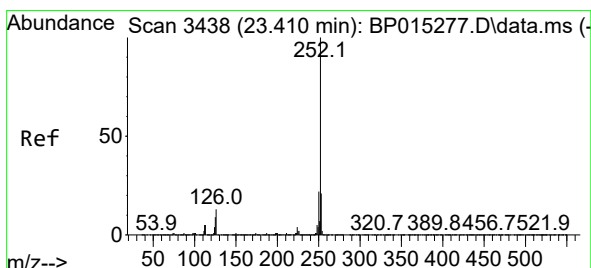
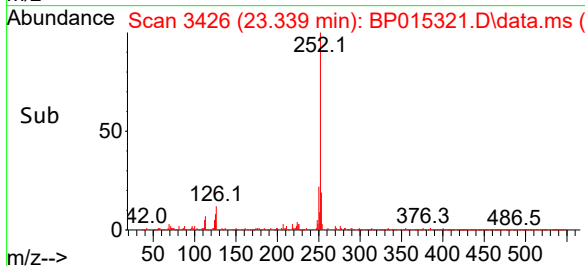
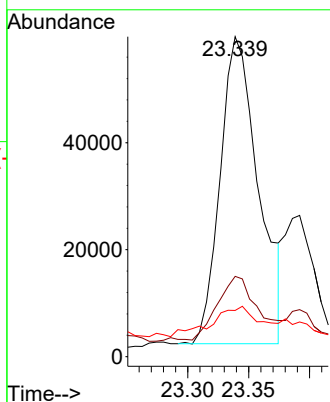
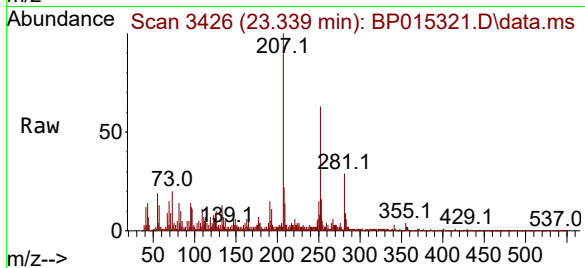
Tgt Ion:252 Resp: 125890

Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.2

125 14.5 7.2 10.8#



#89

Benzo(k)fluoranthene

Concen: 2.124 ng

RT: 23.339 min Scan# 3426

Delta R.T. -0.071 min

Lab File: BP015321.D

Acq: 26 May 2023 21:54

Tgt Ion:252 Resp: 125890

Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.4

125 14.5 7.4 11.0#

