

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015318.D
 Acq On : 26 May 2023 20:13
 Operator : CG/JU
 Sample : 02945-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB23

Quant Time: May 29 02:07:49 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)

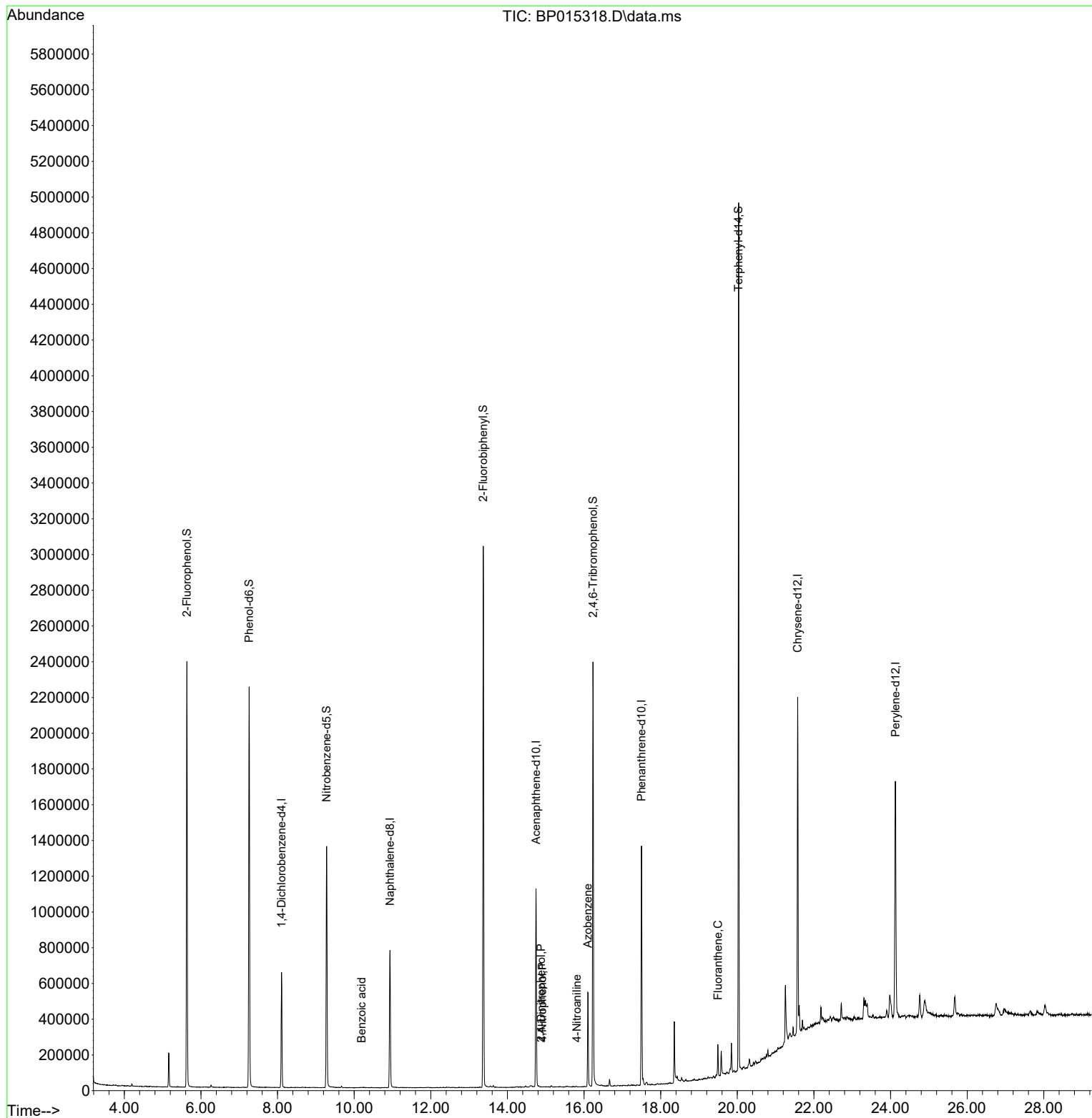
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.104	152	167813	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	633165	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	363597	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	799539	20.000	ng	0.00
76) Chrysene-d12	21.574	240	872853	20.000	ng	-0.01
86) Perylene-d12	24.127	264	1076050	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	972727	96.051	ng	0.00
7) Phenol-d6	7.257	99	1238995	93.355	ng	0.00
23) Nitrobenzene-d5	9.281	82	782537	60.345	ng	-0.01
42) 2,4,6-Tribromophenol	16.233	330	443809	89.821	ng	-0.01
45) 2-Fluorobiphenyl	13.369	172	1487255	54.916	ng	-0.01
79) Terphenyl-d14	20.033	244	2184159	47.068	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.257	77	2523	Below Cal	#	15
32) Benzoic acid	10.193	122	255	6.372	ng	93
54) 2,4-Dinitrophenol	14.875	184	113	5.214	ng	# 58
56) 4-Nitrophenol	14.910	139	22	3.433	ng	96
62) 4-Nitroaniline	15.810	138	14	2.307	ng	# 1
63) Azobenzene	16.098	77	155141	5.739	ng	# 1
75) Fluoranthene	19.492	202	100172	2.012	ng	99

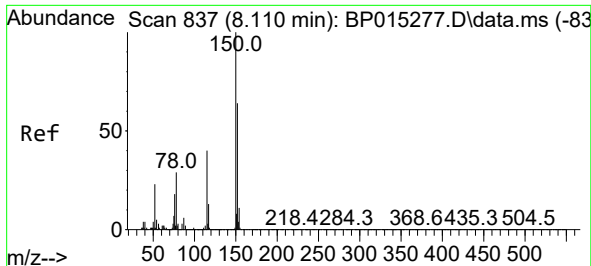
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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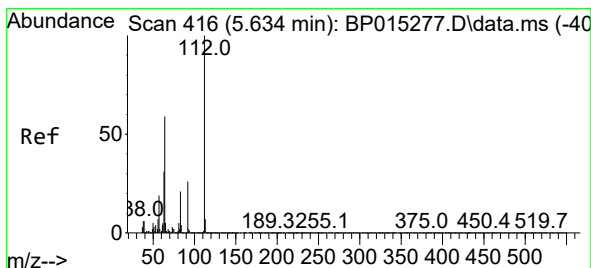
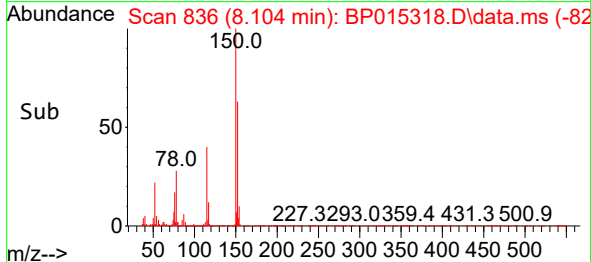
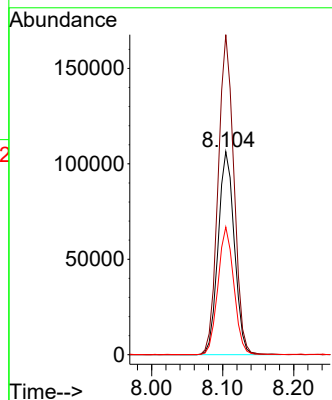
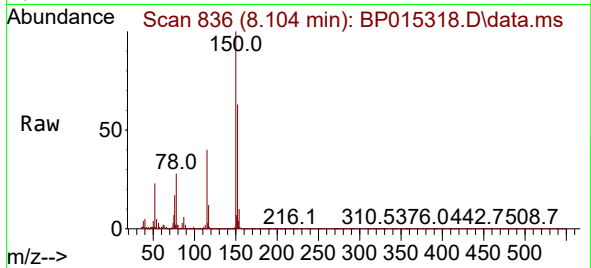




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.104 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

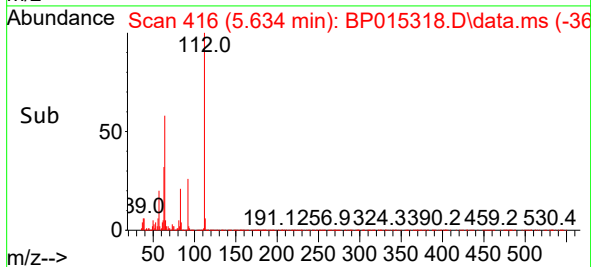
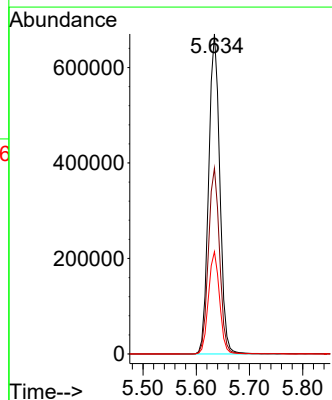
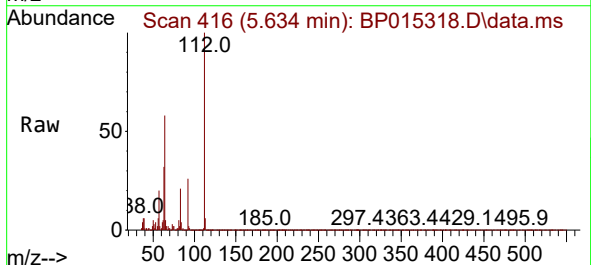
Instrument :
BNA_P
ClientSampleId :
SB23

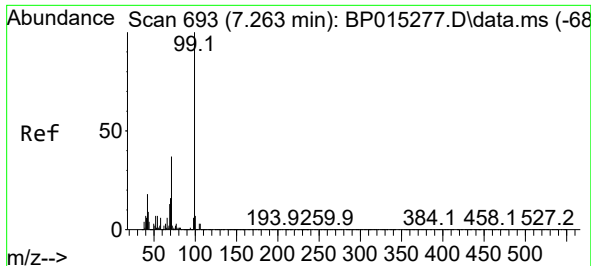
Tgt Ion:152 Resp: 167813
Ion Ratio Lower Upper
152 100
150 157.6 124.2 186.2
115 62.9 49.1 73.7



#5
2-Fluorophenol
Concen: 96.051 ng
RT: 5.634 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

Tgt Ion:112 Resp: 972727
Ion Ratio Lower Upper
112 100
64 58.1 47.2 70.8
63 32.0 24.6 37.0

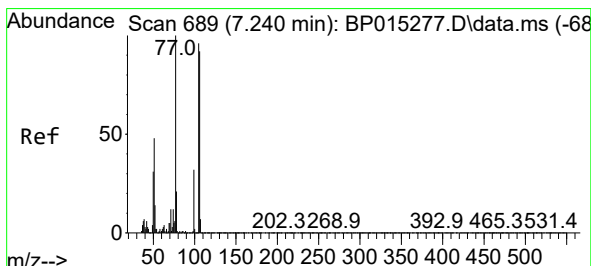
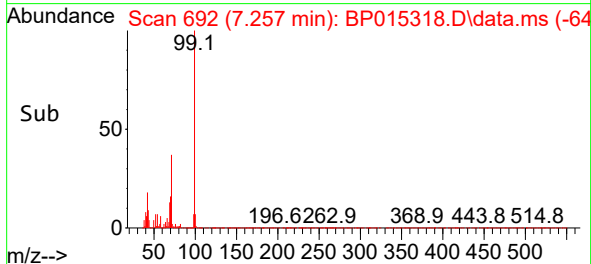
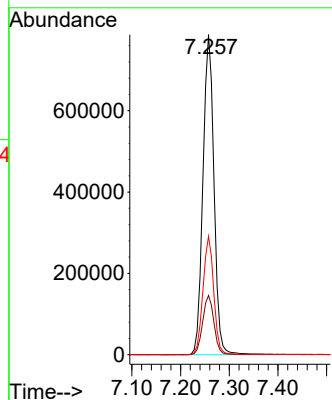
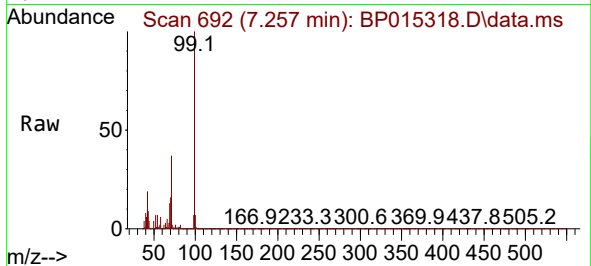




#7
Phenol-d6
Concen: 93.355 ng
RT: 7.257 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

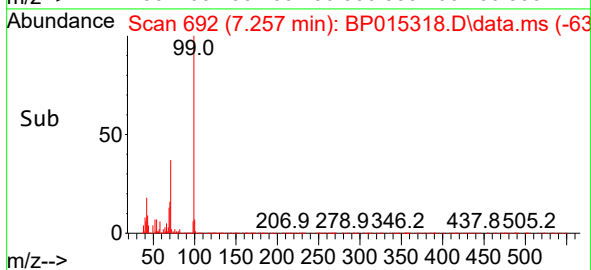
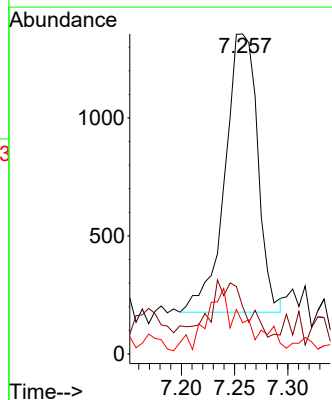
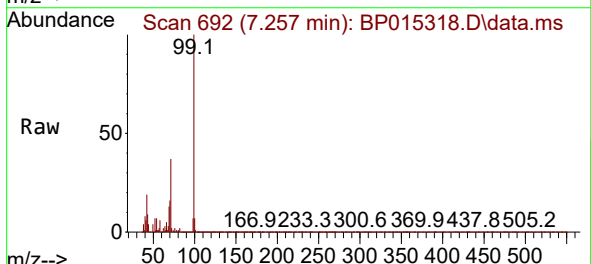
Instrument :
BNA_P
ClientSampleId :
SB23

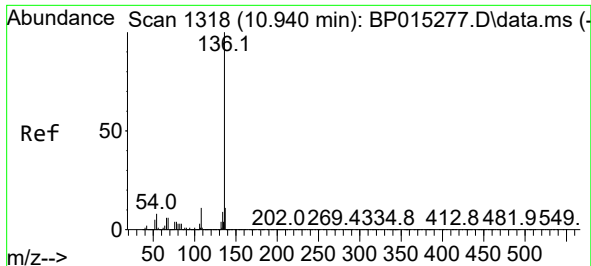
Tgt Ion: 99 Resp: 1238995
Ion Ratio Lower Upper
99 100
42 18.5 14.6 22.0
71 37.0 29.4 44.2



#9
Benzaldehyde
Concen: Below Cal
RT: 7.257 min Scan# 692
Delta R.T. 0.017 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

Tgt Ion: 77 Resp: 2523
Ion Ratio Lower Upper
77 100
105 14.8 75.9 115.9#
106 9.7 72.3 112.3#

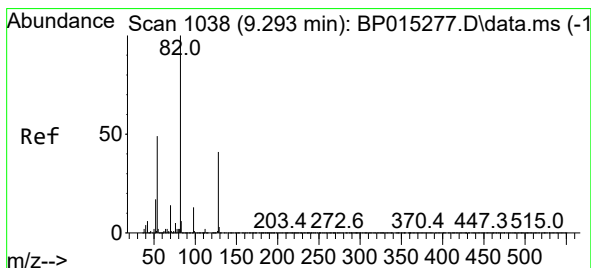
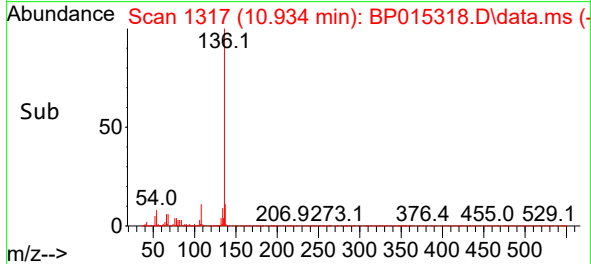
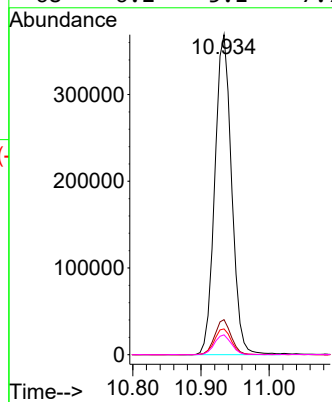
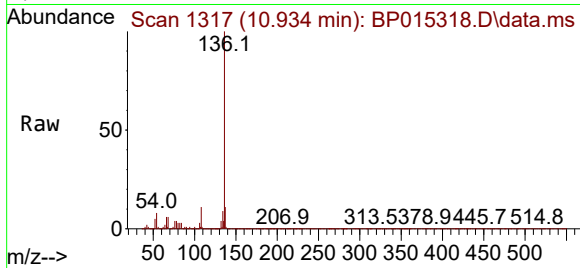




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

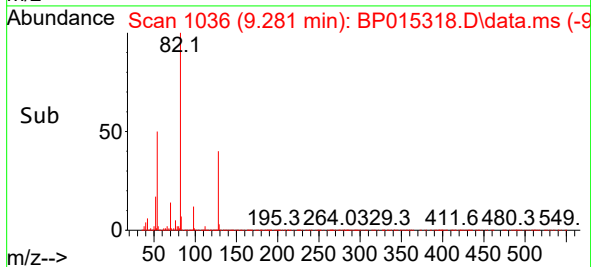
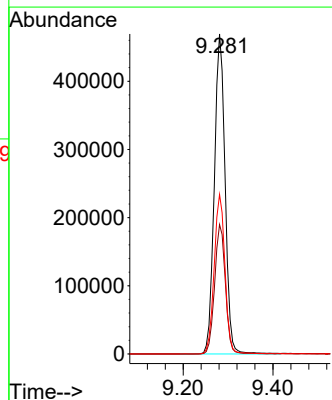
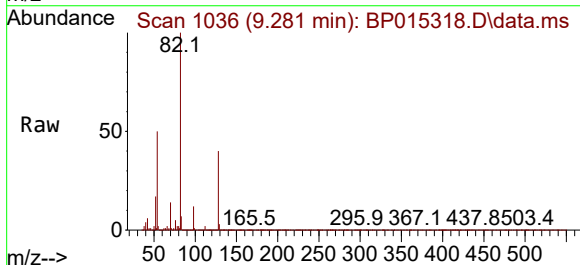
Instrument :
BNA_P
ClientSampleId :
SB23

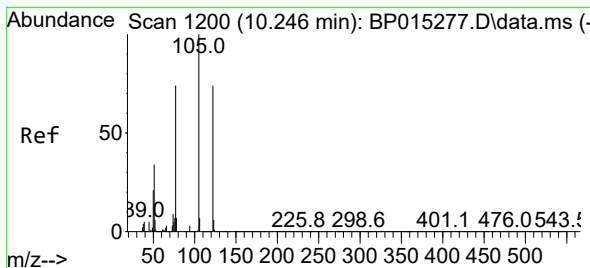
Tgt Ion:	136	Resp:	633165
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.1	6.3	9.5
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 60.345 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.012 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

Tgt Ion:	82	Resp:	782537
Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.0	49.4
54	49.9	39.2	58.8





#32

Benzoic acid

Concen: 6.372 ng

RT: 10.193 min Scan# 1191

Delta R.T. -0.053 min

Lab File: BP015318.D

Acq: 26 May 2023 20:13

Instrument :

BNA_P

ClientSampleId :

SB23

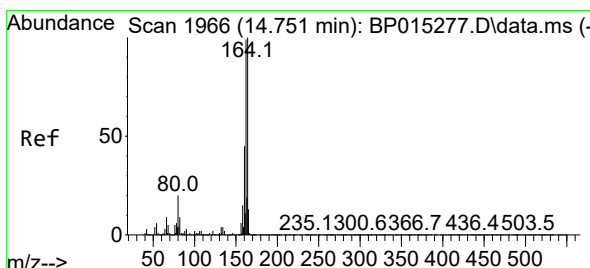
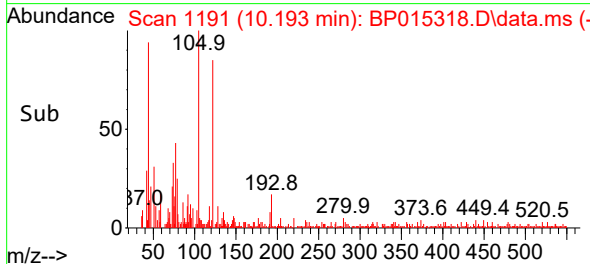
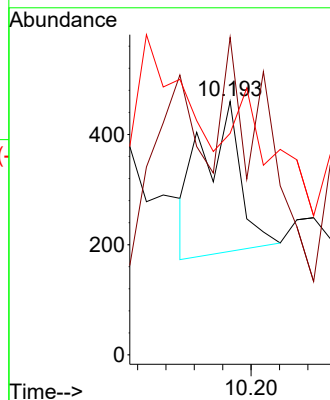
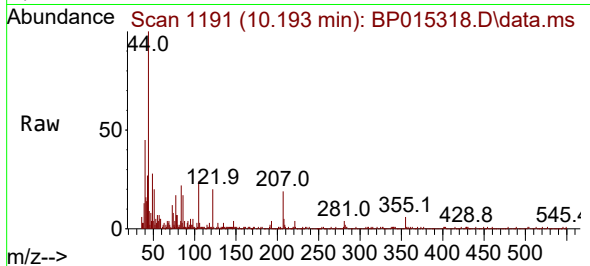
Tgt Ion:122 Resp: 255

Ion Ratio Lower Upper

122 100

105 125.2 109.5 149.5

77 87.4 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: BP015318.D

Acq: 26 May 2023 20:13

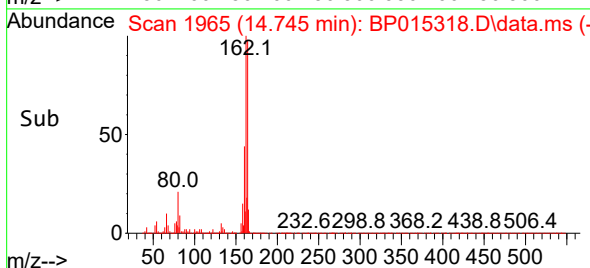
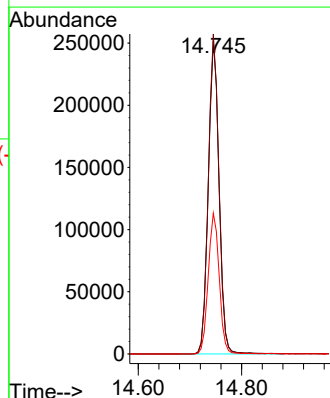
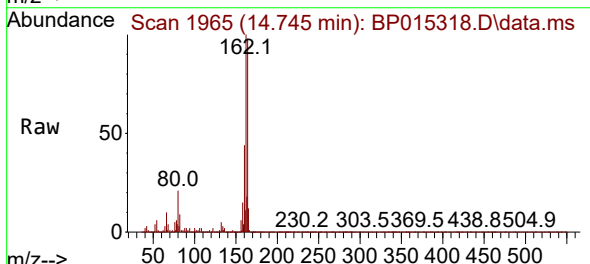
Tgt Ion:164 Resp: 363597

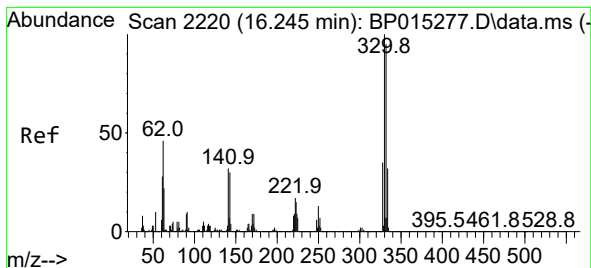
Ion Ratio Lower Upper

164 100

162 102.2 79.4 119.2

160 45.0 35.6 53.4

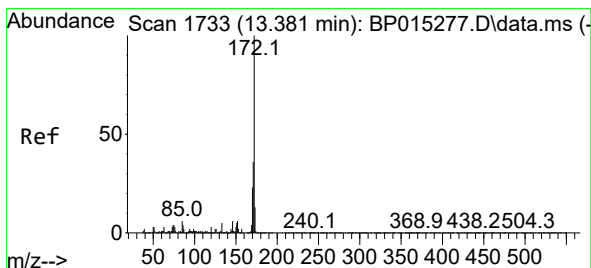
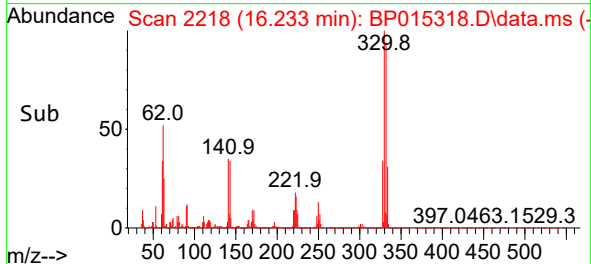
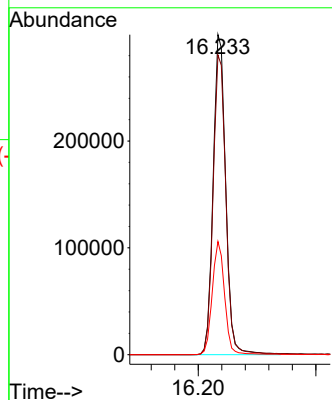
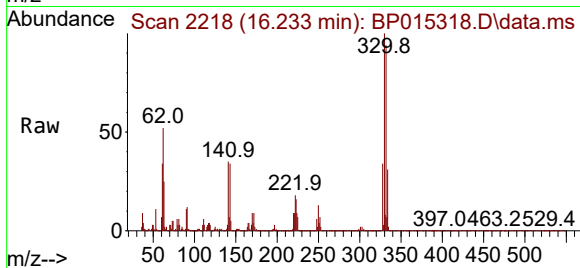




#42
2,4,6-Tribromophenol
Concen: 89.821 ng
RT: 16.233 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

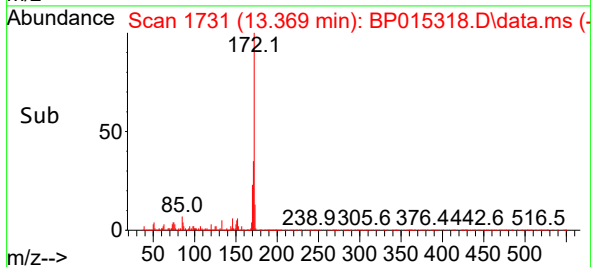
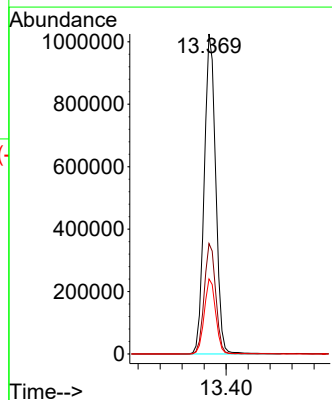
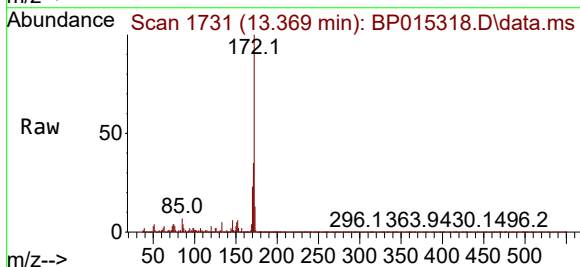
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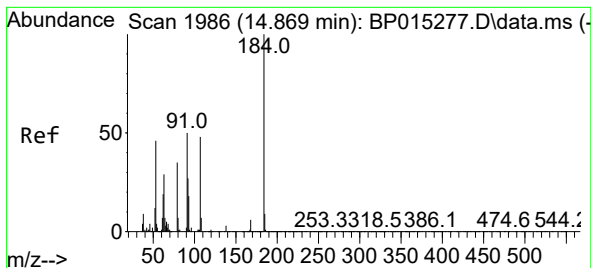
Tgt Ion:330 Resp: 443809
Ion Ratio Lower Upper
330 100
332 95.6 76.3 114.5
141 35.1 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 54.916 ng
RT: 13.369 min Scan# 1731
Delta R.T. -0.012 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

Tgt Ion:172 Resp: 1487255
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 23.5 18.7 28.1





#54

2,4-Dinitrophenol

Concen: 5.214 ng

RT: 14.875 min Scan# 1986

Delta R.T. 0.006 min

Lab File: BP015318.D

Acq: 26 May 2023 20:13

Instrument :

BNA_P

ClientSampleId :

SB23

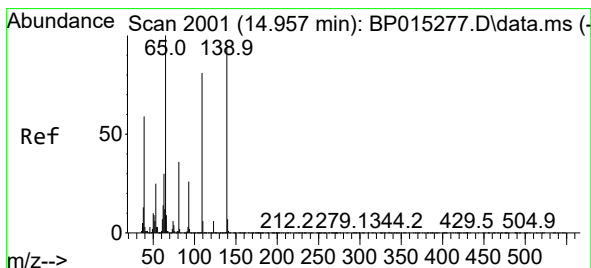
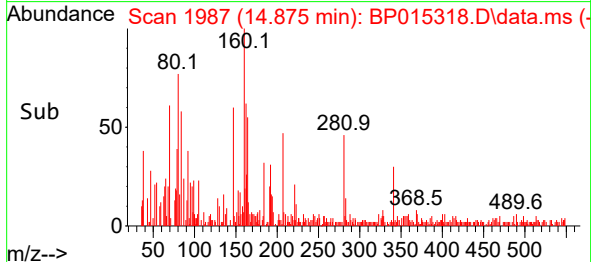
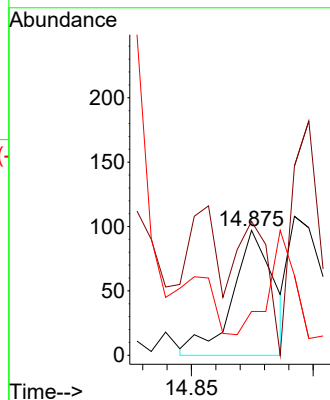
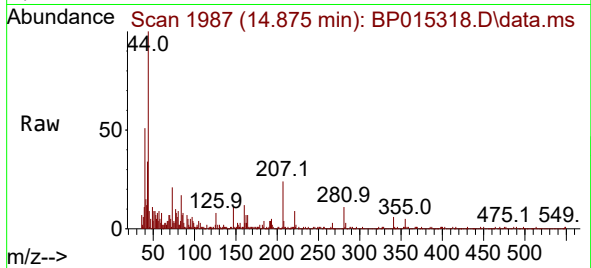
Tgt Ion:184 Resp: 113

Ion Ratio Lower Upper

184 100

63 107.2 56.2 84.4#

154 35.1 53.2 79.8#



#56

4-Nitrophenol

Concen: 3.433 ng

RT: 14.910 min Scan# 1993

Delta R.T. -0.047 min

Lab File: BP015318.D

Acq: 26 May 2023 20:13

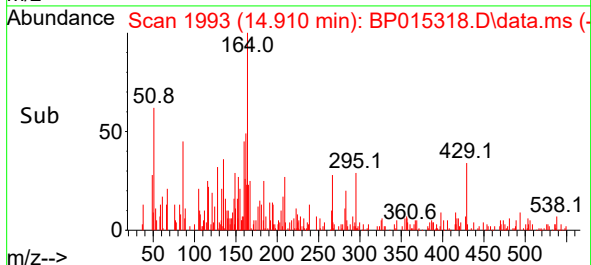
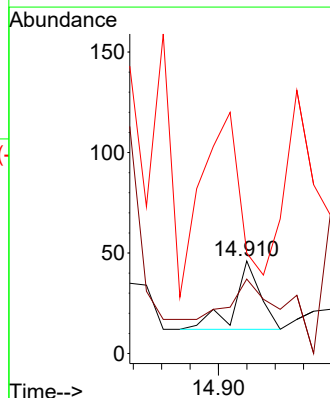
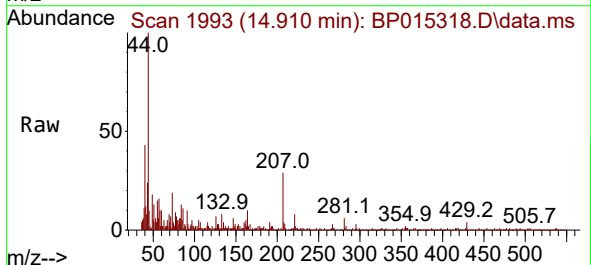
Tgt Ion:139 Resp: 22

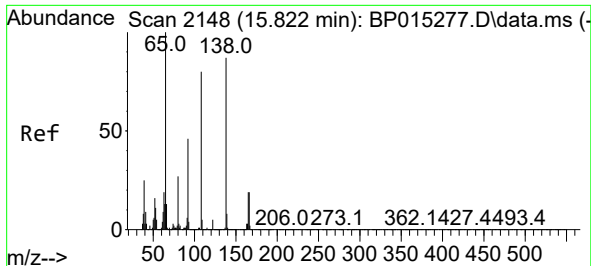
Ion Ratio Lower Upper

139 100

109 80.4 66.5 106.5

65 108.7 86.6 126.6

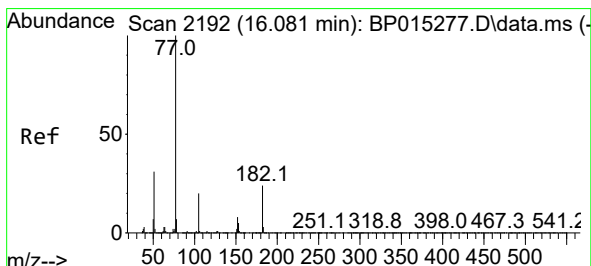
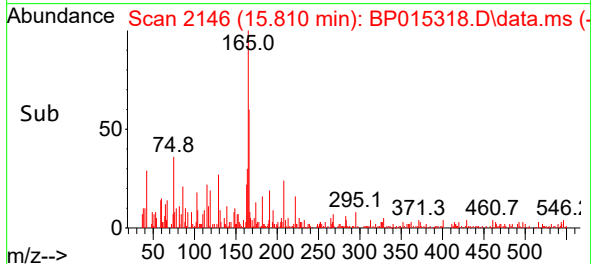
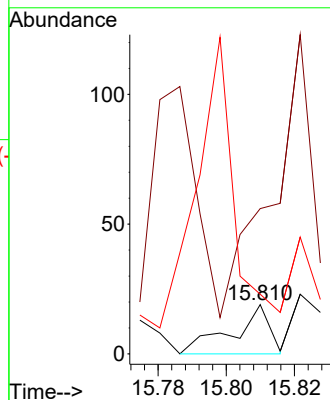
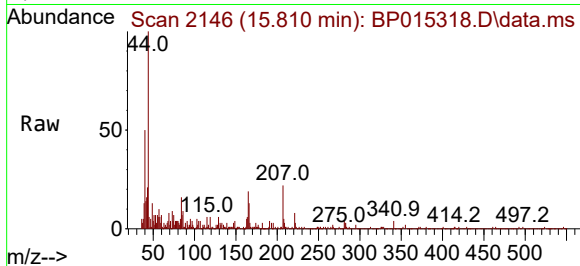




#62
4-Nitroaniline
Concen: 2.307 ng
RT: 15.810 min Scan# 2146
Delta R.T. -0.012 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

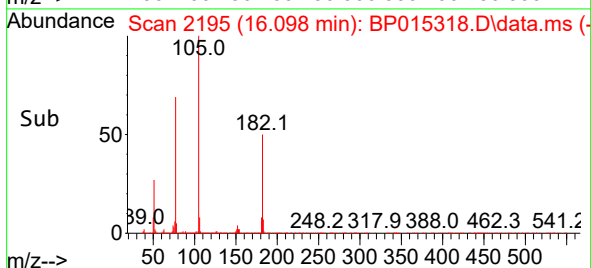
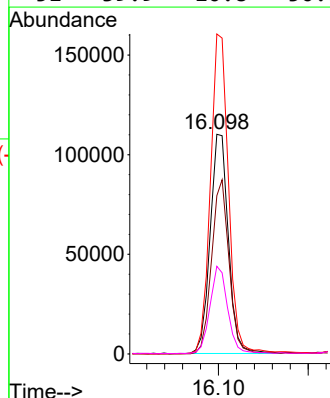
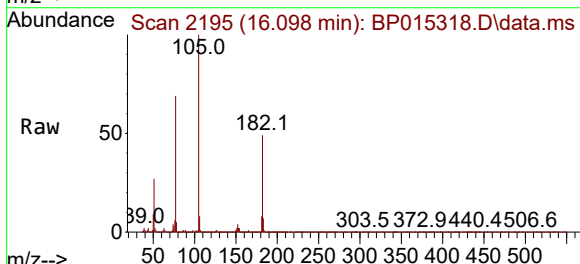
Instrument :
BNA_P
ClientSampleId :
SB23

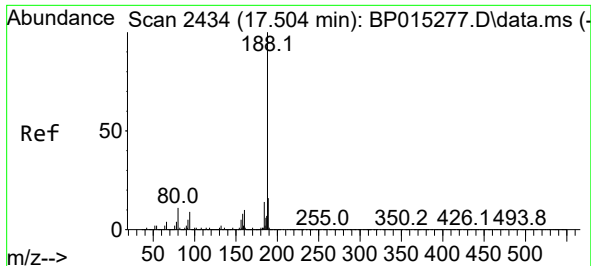
Tgt Ion:138 Resp: 14
Ion Ratio Lower Upper
138 100
92 294.7 33.1 73.1#
108 121.1 71.0 111.0#



#63
Azobenzene
Concen: 5.739 ng
RT: 16.098 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

Tgt Ion: 77 Resp: 155141
Ion Ratio Lower Upper
77 100
182 72.1 3.9 43.9#
105 145.6 0.3 40.3#
51 39.9 10.8 50.8

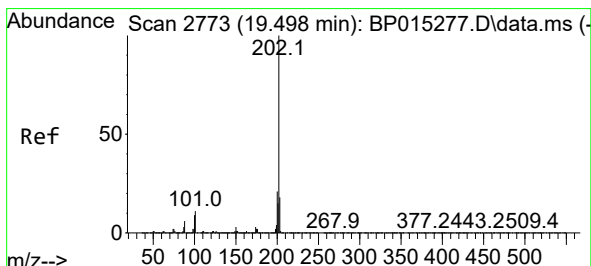
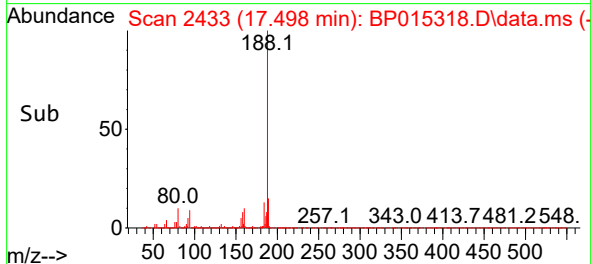
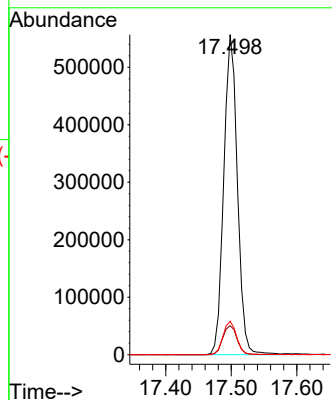
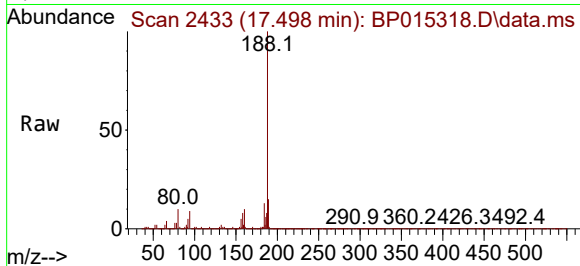




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

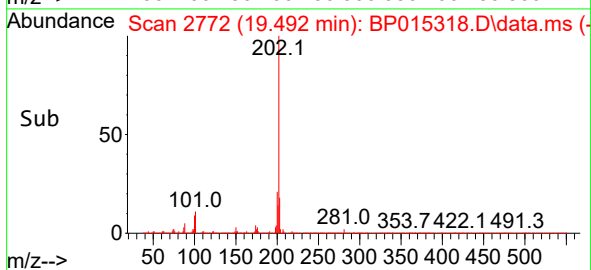
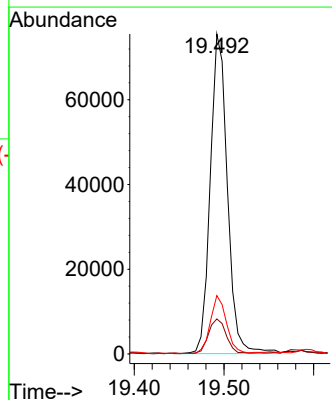
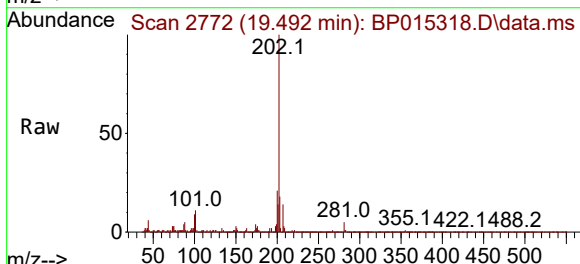
Instrument :
BNA_P
ClientSampleId :
SB23

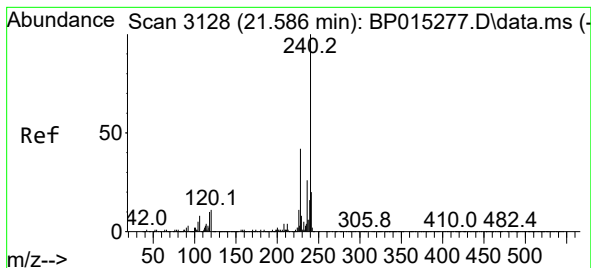
Tgt Ion:188 Resp: 799539
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.0
80 10.5 8.6 13.0



#75
Fluoranthene
Concen: 2.012 ng
RT: 19.492 min Scan# 2772
Delta R.T. -0.006 min
Lab File: BP015318.D
Acq: 26 May 2023 20:13

Tgt Ion:202 Resp: 100172
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 18.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP015318.D

Acq: 26 May 2023 20:13

Instrument :

BNA_P

ClientSampleId :

SB23

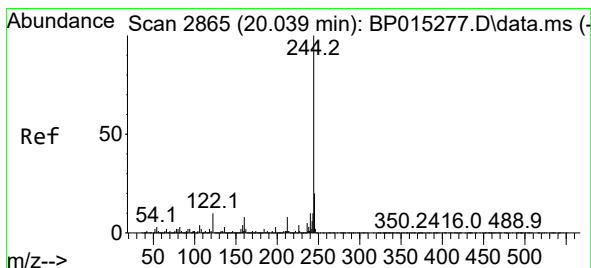
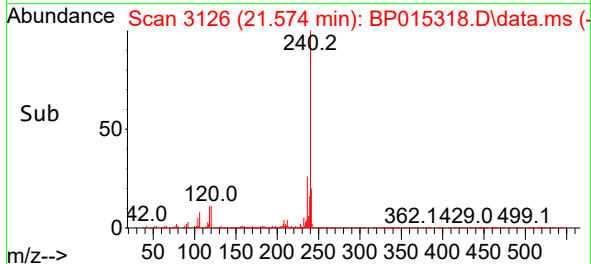
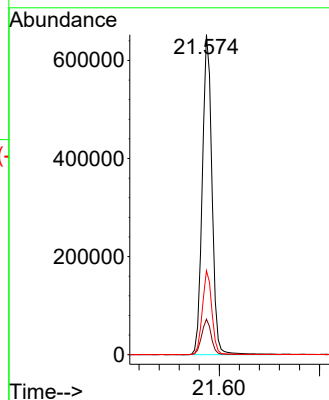
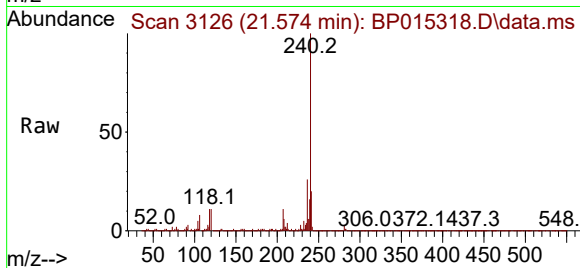
Tgt Ion:240 Resp: 872853

Ion Ratio Lower Upper

240 100

120 11.1 8.8 13.2

236 26.3 20.5 30.7



#79

Terphenyl-d14

Concen: 47.068 ng

RT: 20.033 min Scan# 2864

Delta R.T. -0.006 min

Lab File: BP015318.D

Acq: 26 May 2023 20:13

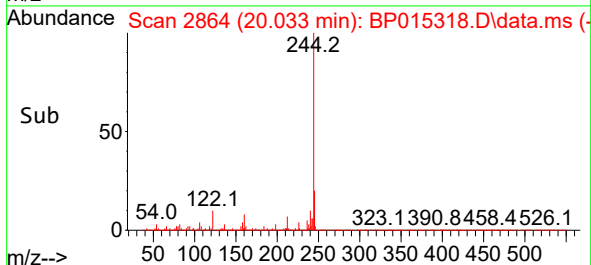
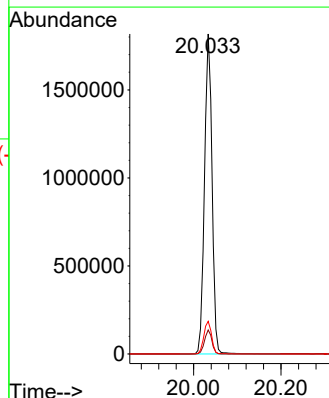
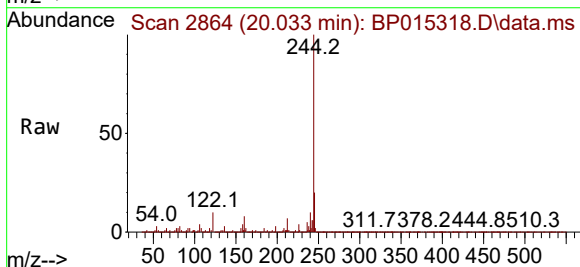
Tgt Ion:244 Resp: 2184159

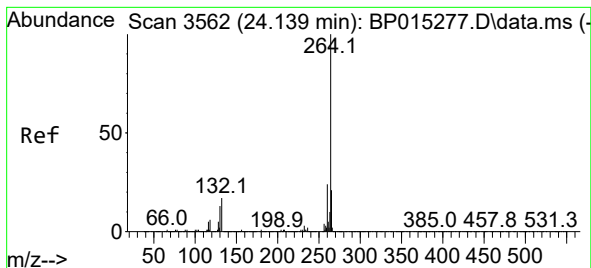
Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 10.2 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: BP015318.D

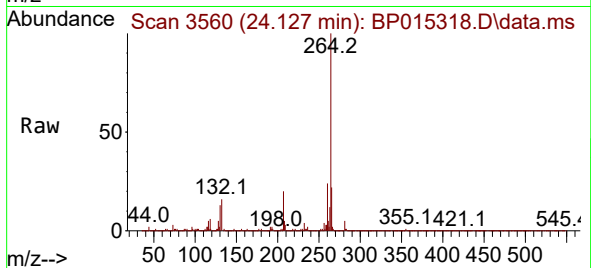
Acq: 26 May 2023 20:13

Instrument :

BNA_P

ClientSampleId :

SB23



Tgt Ion:264 Resp: 1076050

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 22.0 17.5 26.3

