

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052424\
 Data File : BP020456.D
 Acq On : 24 May 2024 17:26
 Operator : MA/JU
 Sample : PB160983BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB160983BL

Quant Time: May 27 00:40:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 25 02:22:23 2024
 Response via : Initial Calibration

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

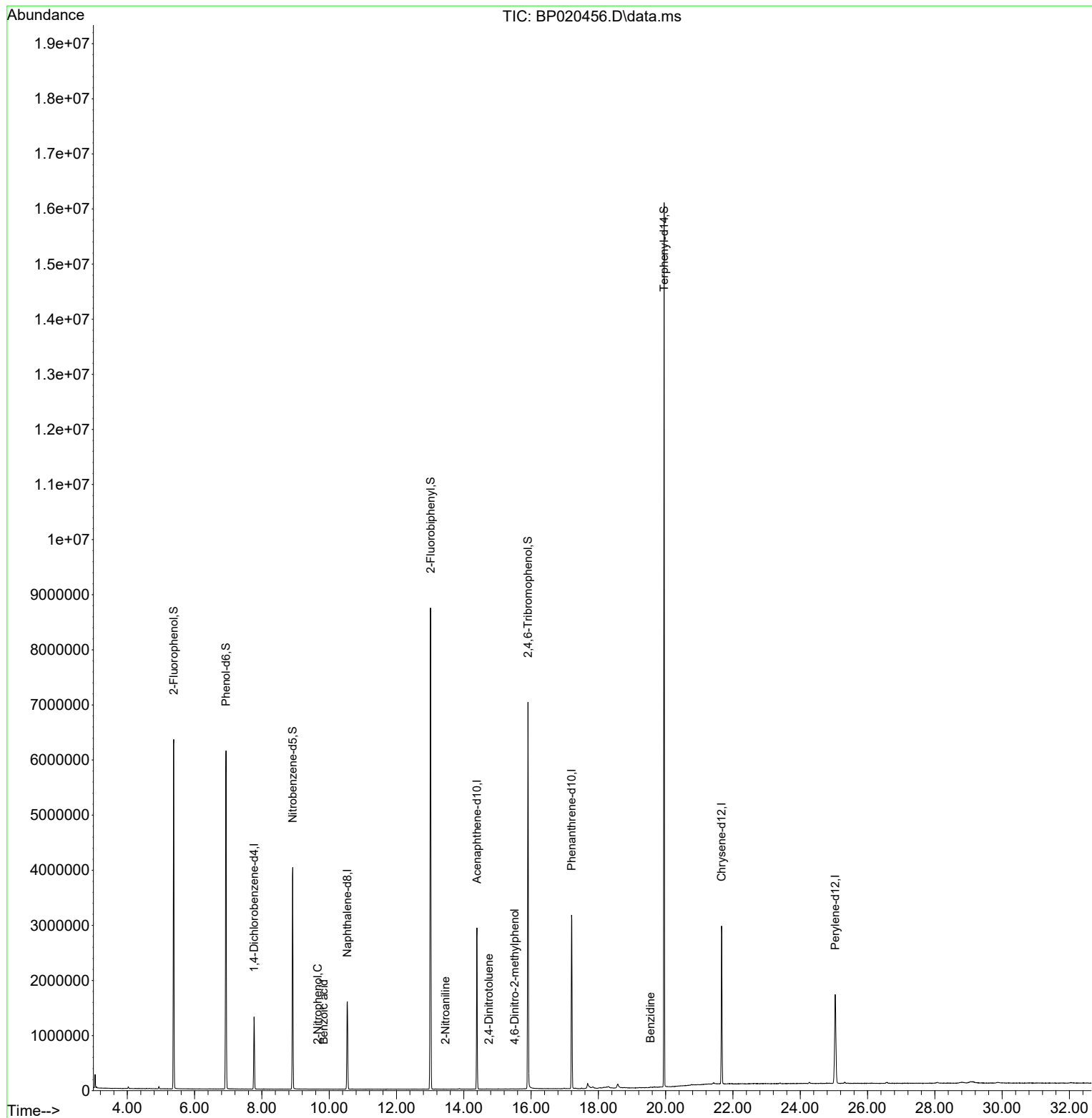
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	353846	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1470907	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	982952	20.000	ng	-0.01
64) Phenanthrene-d10	17.204	188	2101238	20.000	ng	-0.01
76) Chrysene-d12	21.663	240	1609083	20.000	ng	-0.02
86) Perylene-d12	25.039	264	1591594	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	2636932	130.369	ng	0.00
7) Phenol-d6	6.934	99	3525464	126.053	ng	0.00
23) Nitrobenzene-d5	8.916	82	2080399	83.878	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1322781	129.820	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	5122866	76.712	ng	0.00
79) Terphenyl-d14	19.957	244	7452881	76.602	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.934	77	6163	Below Cal	#	6
26) 2-Nitrophenol	9.657	139	89	2.858 ng	#	1
32) Benzoic acid	9.840	122	87	2.482 ng	#	10
48) 2-Nitroaniline	13.457	65	156	3.843 ng	#	46
54) 2,4-Dinitrophenol	14.469	184	19	Below Cal	#	1
57) 2,4-Dinitrotoluene	14.745	165	114	3.726 ng	#	67
65) 4,6-Dinitro-2-methylph...	15.510	198	55	2.127 ng	#	1
77) Benzidine	19.551	184	4357	2.578 ng	#	93

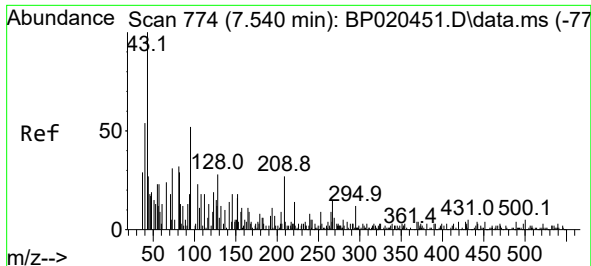
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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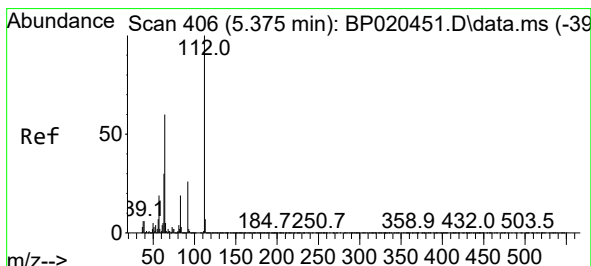
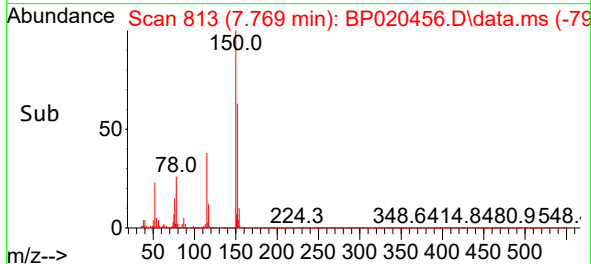
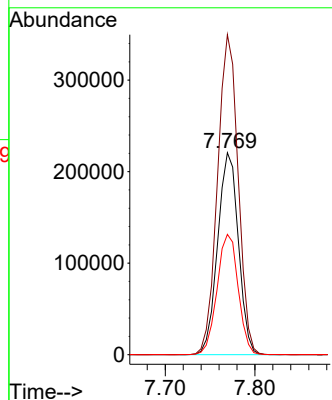
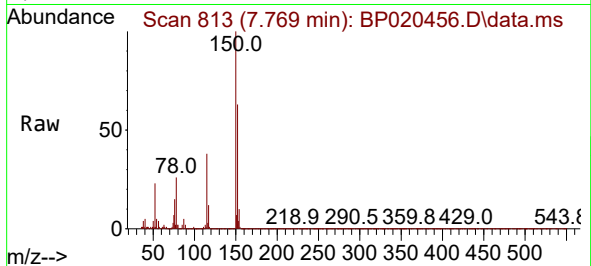




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. 0.005 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

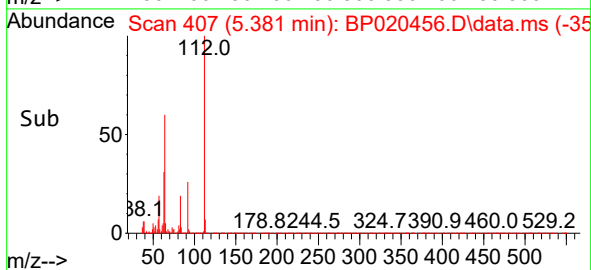
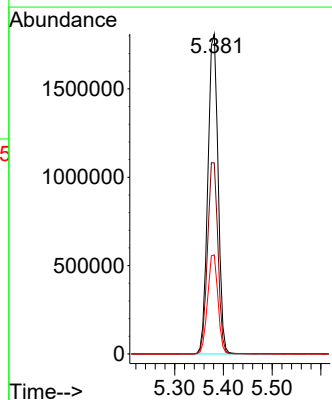
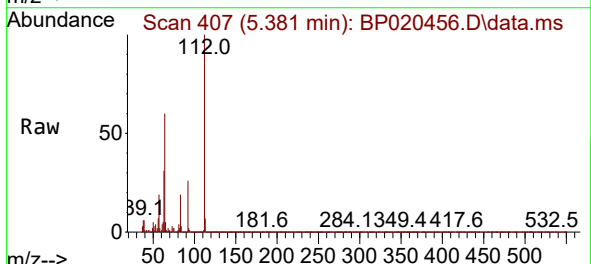
Instrument :
BNA_P
ClientSampleId :
PB160983BL

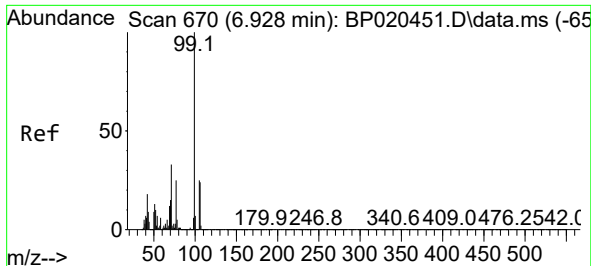
Tgt Ion:152 Resp: 353846
Ion Ratio Lower Upper
152 100
150 158.5 125.0 187.6
115 59.6 50.4 75.6



#5
2-Fluorophenol
Concen: 130.369 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

Tgt Ion:112 Resp: 2636932
Ion Ratio Lower Upper
112 100
64 59.7 48.4 72.6
63 31.0 24.1 36.1

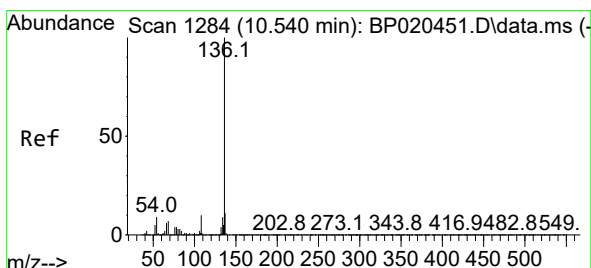
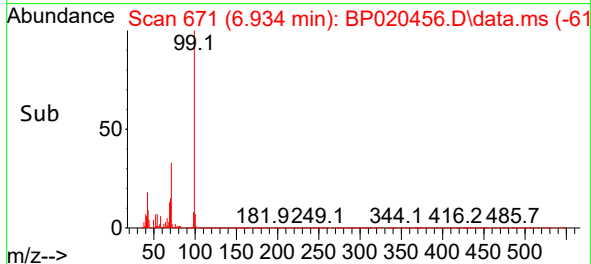
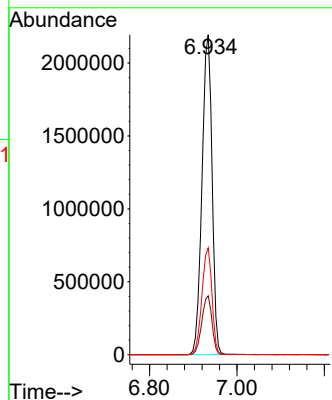
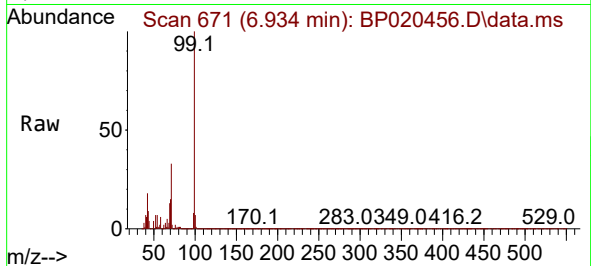




#7
Phenol-d6
Concen: 126.053 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

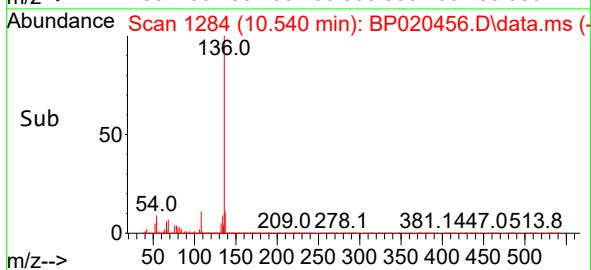
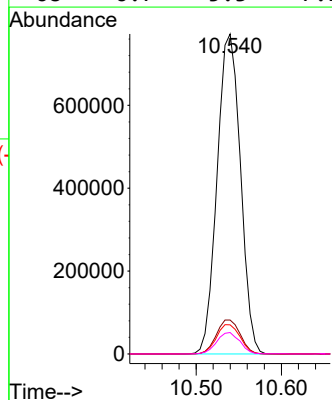
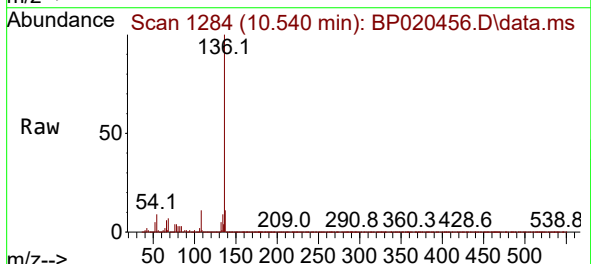
Instrument :
BNA_P
ClientSampleId :
PB160983BL

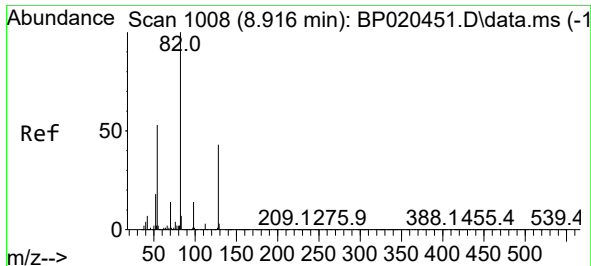
Tgt Ion: 99 Resp: 3525464
Ion Ratio Lower Upper
99 100
42 18.4 14.4 21.6
71 33.4 26.1 39.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

Tgt Ion: 136 Resp: 1470907
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 9.1 7.3 10.9
68 6.7 5.3 7.9

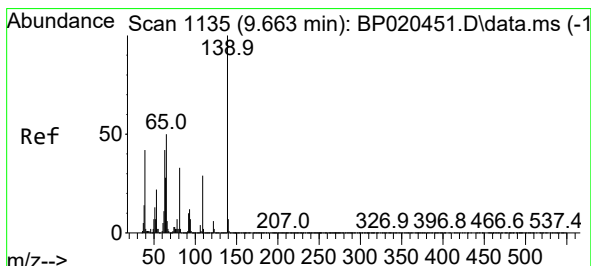
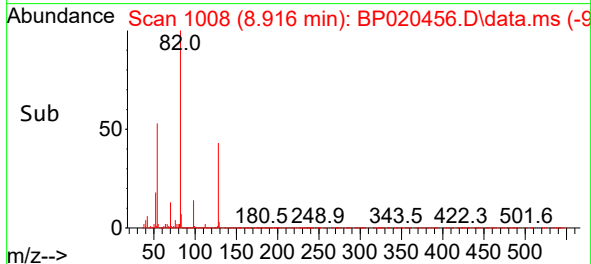
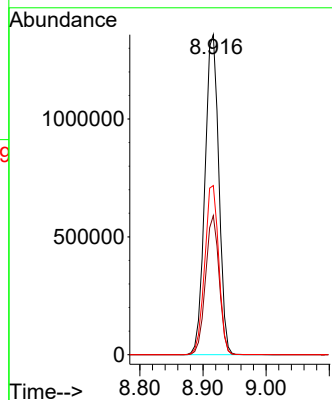
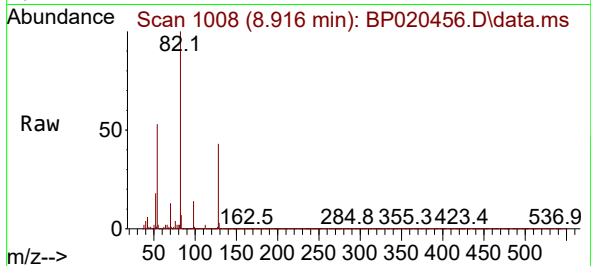




#23
Nitrobenzene-d5
Concen: 83.878 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

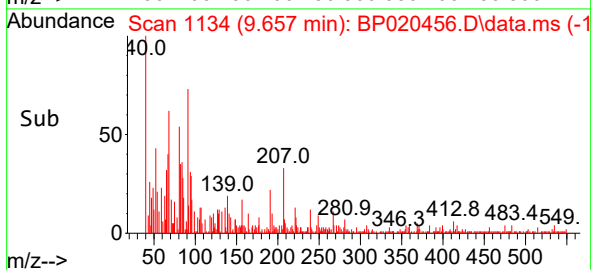
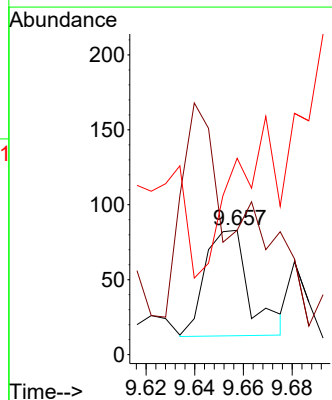
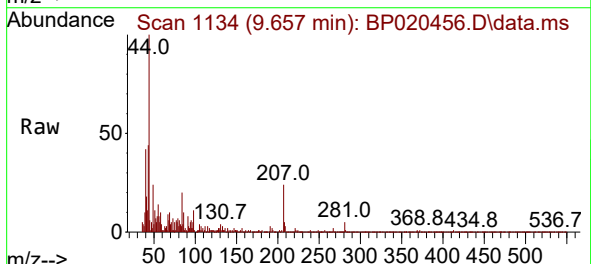
Instrument :
BNA_P
ClientSampleId :
PB160983BL

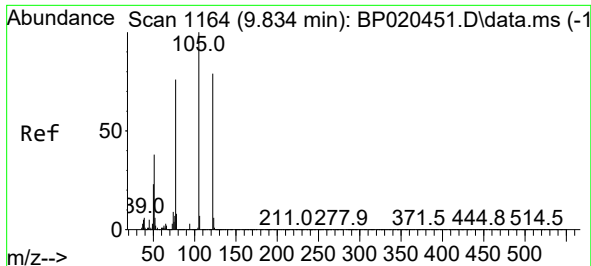
Tgt Ion: 82 Resp: 2080399
Ion Ratio Lower Upper
82 100
128 43.4 34.2 51.2
54 52.8 42.2 63.4



#26
2-Nitrophenol
Concen: 2.858 ng
RT: 9.657 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

Tgt Ion: 139 Resp: 89
Ion Ratio Lower Upper
139 100
109 100.0 23.4 35.2#
65 157.8 40.4 60.6#

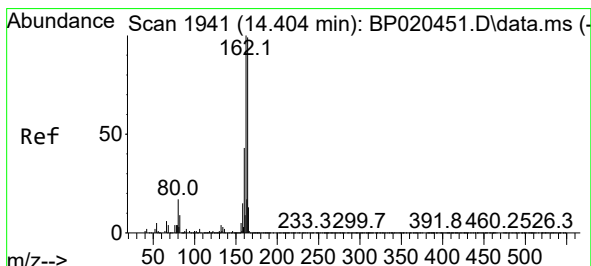
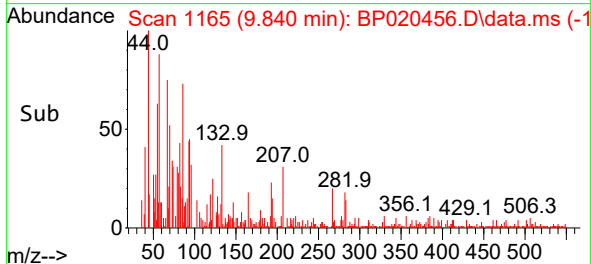
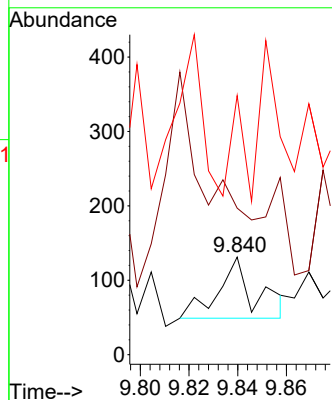
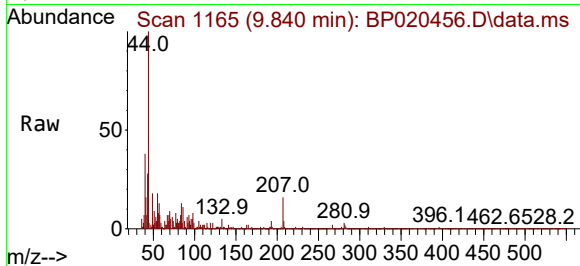




#32
Benzoic acid
Concen: 2.482 ng
RT: 9.840 min Scan# 1164
Delta R.T. 0.006 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

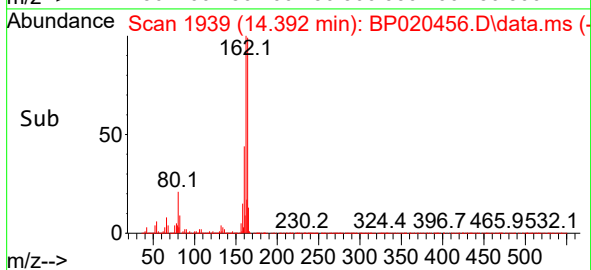
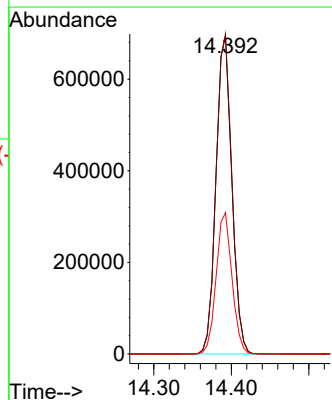
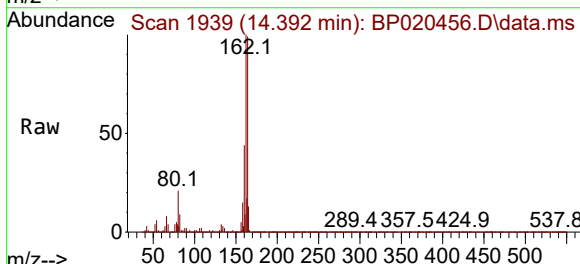
Instrument :
BNA_P
ClientSampleId :
PB160983BL

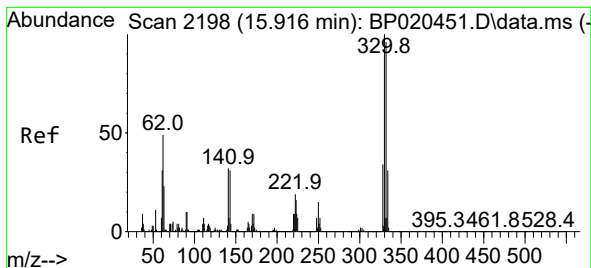
Tgt Ion:122 Resp: 87
Ion Ratio Lower Upper
122 100
105 150.4 103.6 143.6#
77 265.6 75.4 115.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

Tgt Ion:164 Resp: 982952
Ion Ratio Lower Upper
164 100
162 100.7 80.9 121.3
160 44.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 129.820 ng

RT: 15.910 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BP020456.D

Acq: 24 May 2024 17:26

Instrument :

BNA_P

ClientSampleId :

PB160983BL

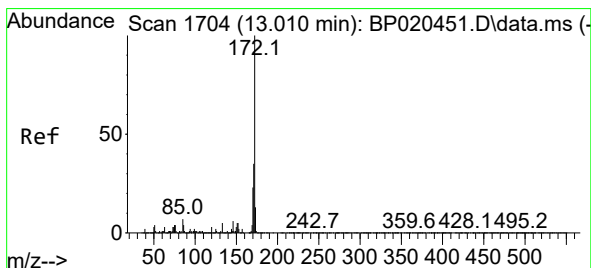
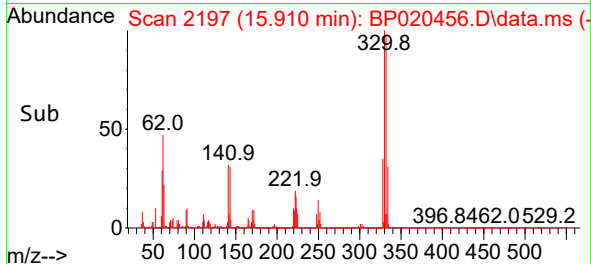
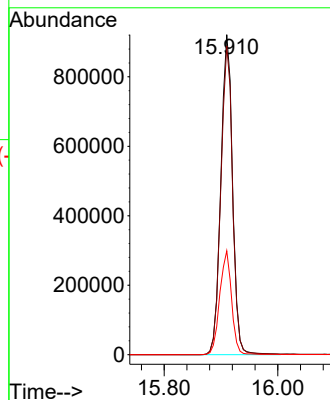
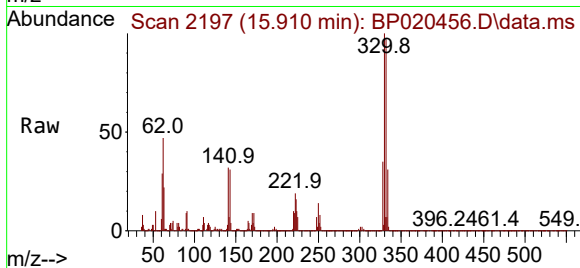
Tgt Ion:330 Resp: 1322781

Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

141 32.8 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 76.712 ng

RT: 13.016 min Scan# 1705

Delta R.T. 0.006 min

Lab File: BP020456.D

Acq: 24 May 2024 17:26

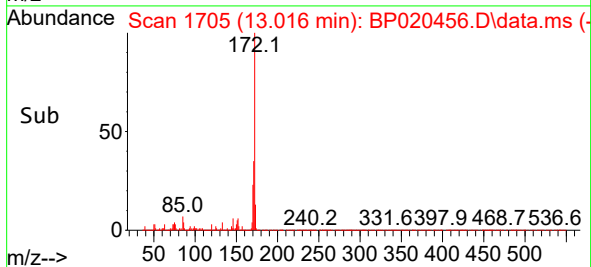
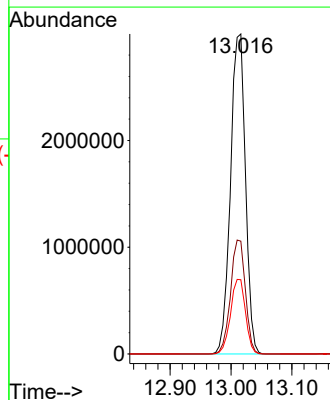
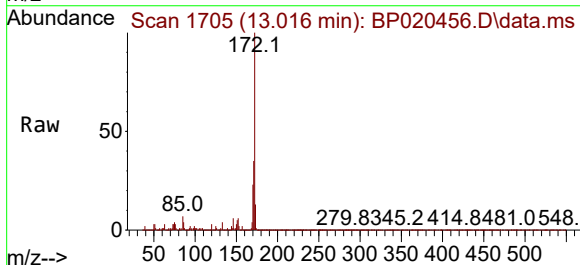
Tgt Ion:172 Resp: 5122866

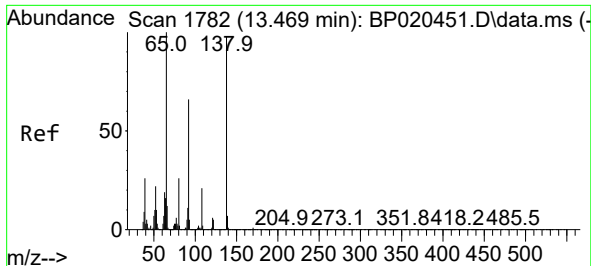
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.2 18.4 27.6

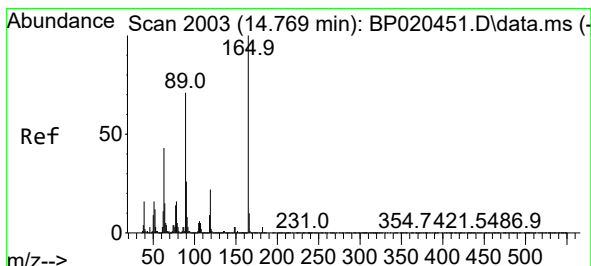
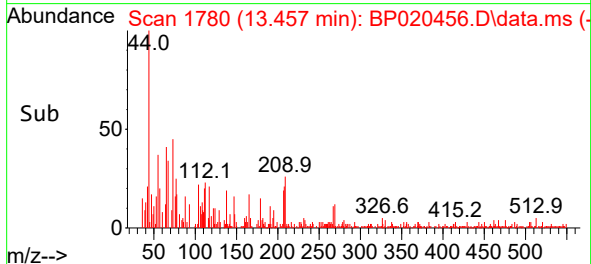
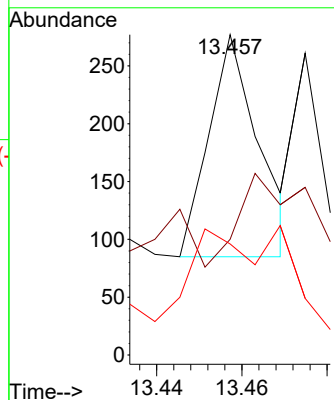
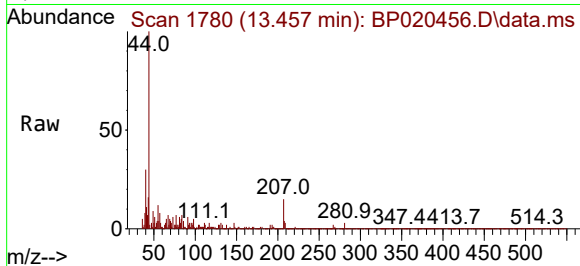




#48
2-Nitroaniline
Concen: 3.843 ng
RT: 13.457 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

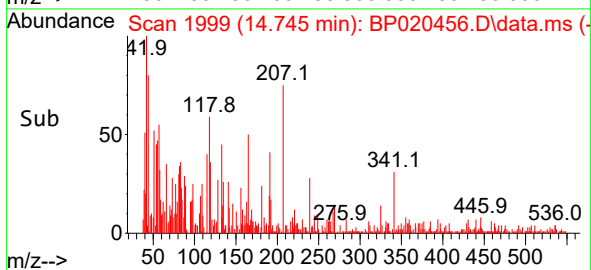
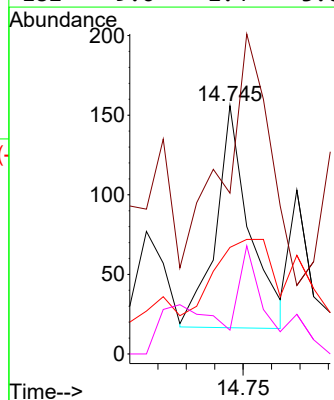
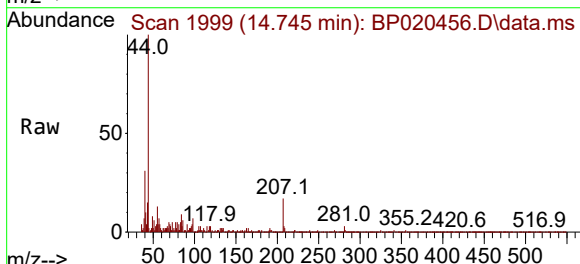
Instrument :
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PB160983BL

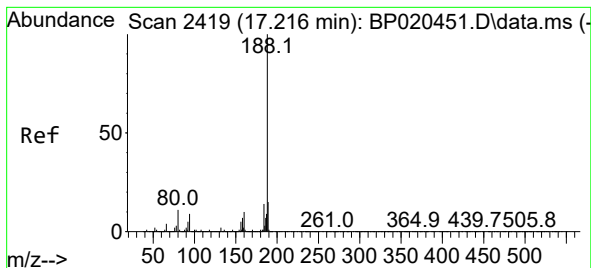
Tgt Ion: 65 Resp: 156
Ion Ratio Lower Upper
65 100
92 36.1 53.0 79.4#
138 34.7 78.6 118.0#



#57
2,4-Dinitrotoluene
Concen: 3.726 ng
RT: 14.745 min Scan# 1999
Delta R.T. -0.024 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

Tgt Ion:165 Resp: 114
Ion Ratio Lower Upper
165 100
63 64.7 34.6 52.0#
89 42.9 56.5 84.7#
182 9.6 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.204 min Scan# 2419

Delta R.T. -0.012 min

Lab File: BP020456.D

Acq: 24 May 2024 17:26

Instrument :

BNA_P

ClientSampleId :

PB160983BL

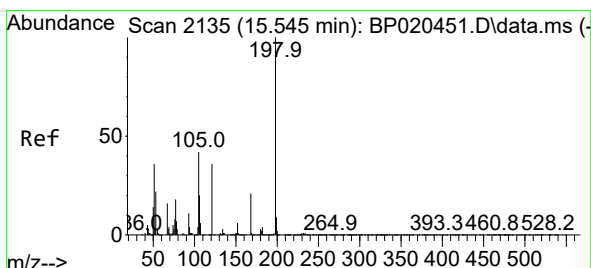
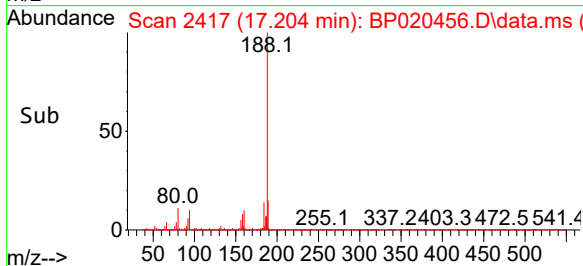
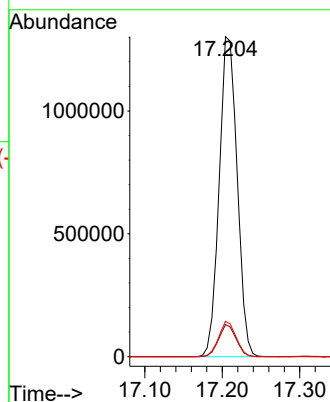
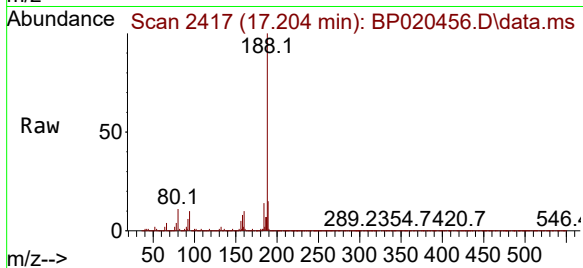
Tgt Ion:188 Resp: 2101238

Ion Ratio Lower Upper

188 100

94 10.0 7.5 11.3

80 11.1 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 2.127 ng

RT: 15.510 min Scan# 2129

Delta R.T. -0.035 min

Lab File: BP020456.D

Acq: 24 May 2024 17:26

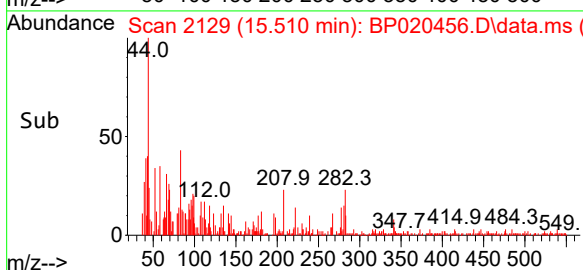
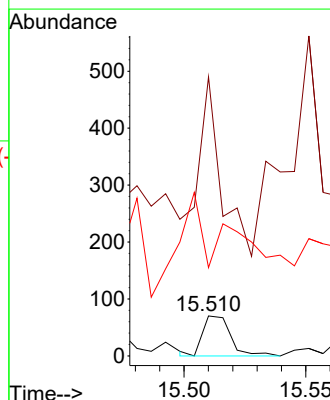
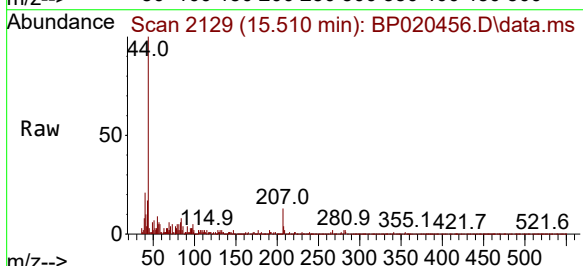
Tgt Ion:198 Resp: 55

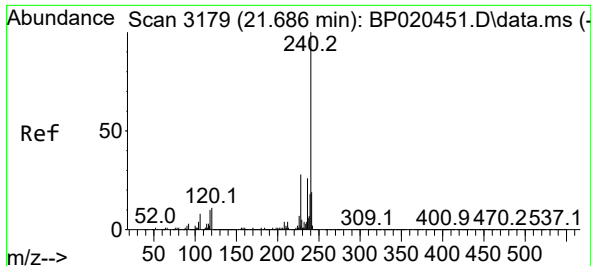
Ion Ratio Lower Upper

198 100

51 700.0 24.4 64.4#

105 221.4 23.5 63.5#

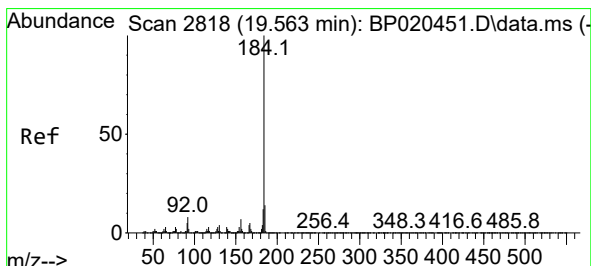
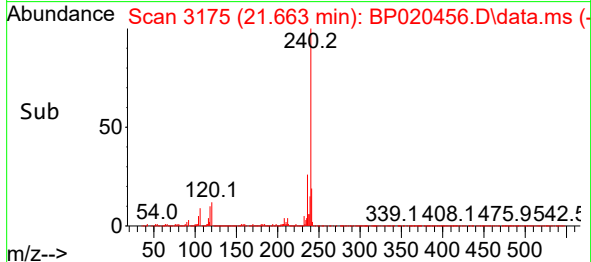
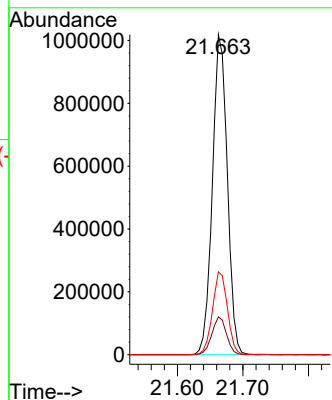
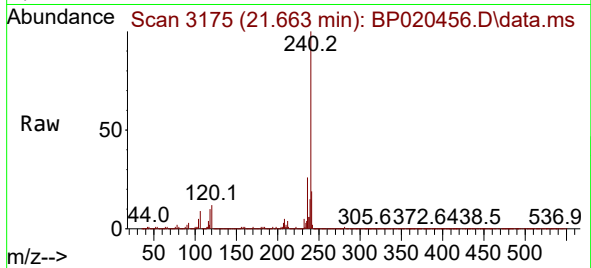




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.663 min Scan# 3179
Delta R.T. -0.024 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

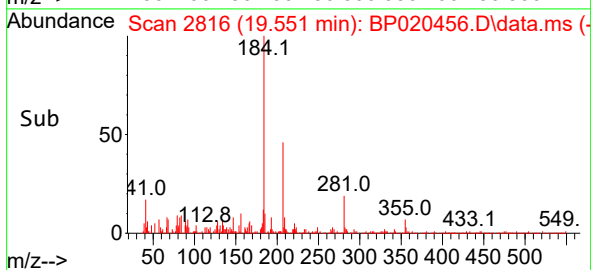
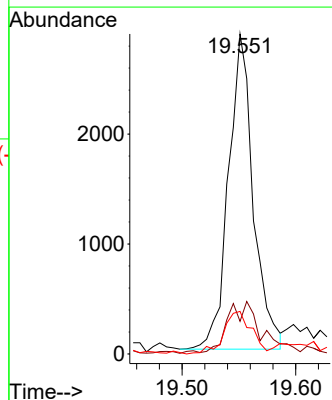
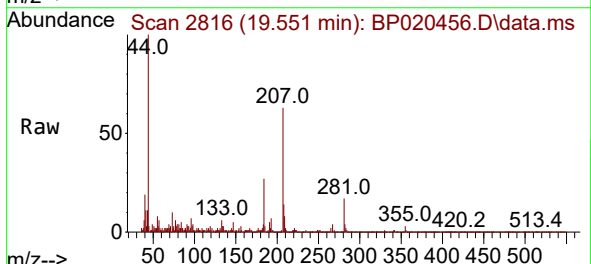
Instrument :
BNA_P
ClientSampleId :
PB160983BL

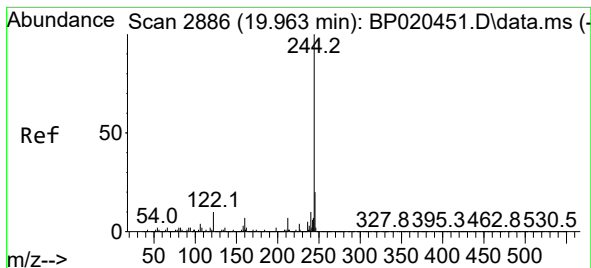
Tgt Ion:240 Resp: 1609083
Ion Ratio Lower Upper
240 100
120 11.8 8.6 12.8
236 25.9 20.7 31.1



#77
Benzidine
Concen: 2.578 ng
RT: 19.551 min Scan# 2816
Delta R.T. -0.012 min
Lab File: BP020456.D
Acq: 24 May 2024 17:26

Tgt Ion:184 Resp: 4357
Ion Ratio Lower Upper
184 100
185 10.2 11.2 16.8#
183 13.3 9.4 14.2





#79

Terphenyl-d14

Concen: 76.602 ng

RT: 19.957 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP020456.D

Acq: 24 May 2024 17:26

Instrument :

BNA_P

ClientSampleId :

PB160983BL

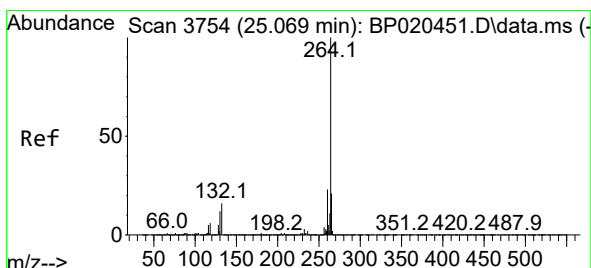
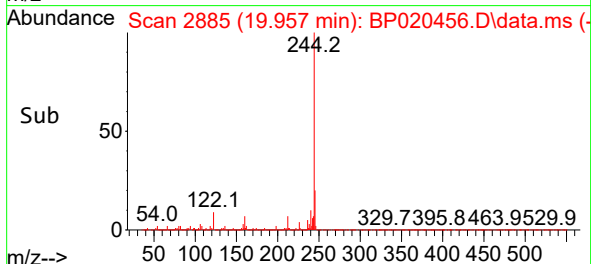
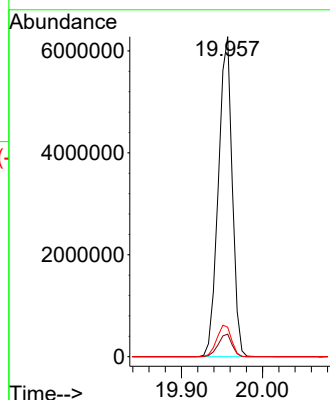
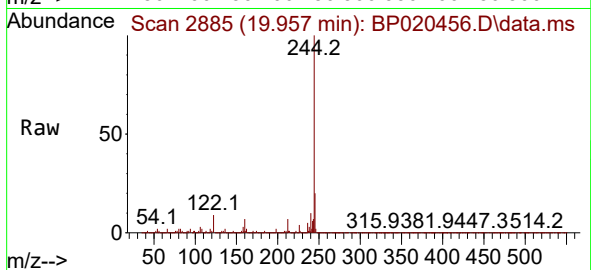
Tgt Ion:244 Resp: 7452881

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 9.2 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.039 min Scan# 3749

Delta R.T. -0.030 min

Lab File: BP020456.D

Acq: 24 May 2024 17:26

Tgt Ion:264 Resp: 1591594

Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

265 22.0 16.9 25.3

