

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022825\
 Data File : BP024131.D
 Acq On : 28 Feb 2025 12:09
 Operator : RC/JU
 Sample : PB166914BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB166914BL

Quant Time: Feb 28 12:36:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

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

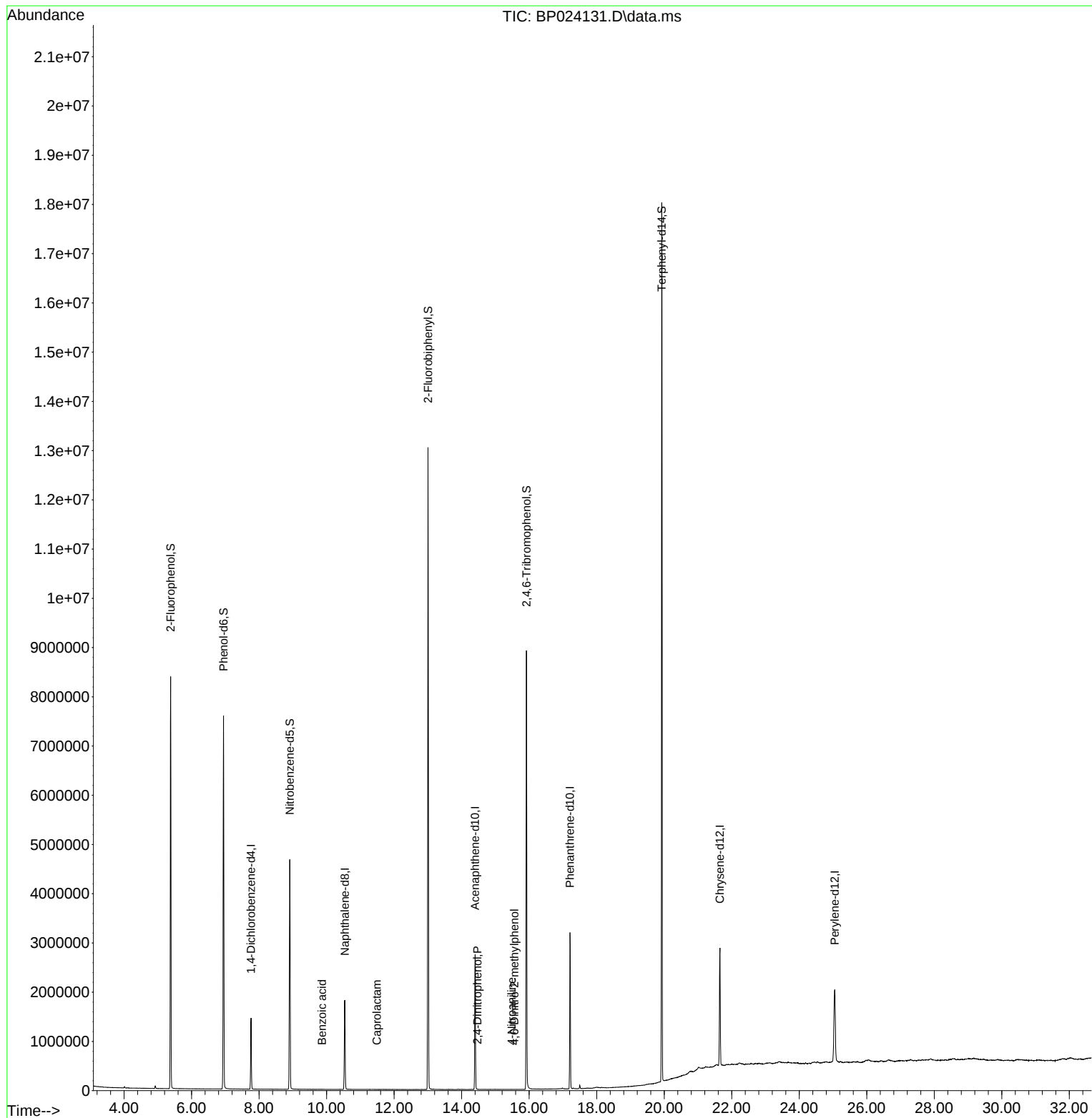
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	401774	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1583690	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	978288	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	1805232	20.000	ng	0.02
76) Chrysene-d12	21.651	240	1521502	20.000	ng	0.00
86) Perylene-d12	25.051	264	1635731	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	3696274	143.551	ng	0.00
7) Phenol-d6	6.946	99	4622913	139.690	ng	0.00
23) Nitrobenzene-d5	8.910	82	2712345	95.548	ng	0.00
42) 2,4,6-Tribromophenol	15.922	330	1851511	154.512	ng	0.02
45) 2-Fluorobiphenyl	13.004	172	6217222	88.846	ng	0.00
79) Terphenyl-d14	19.927	244	8313708	108.122	ng	0.01
Target Compounds						
						Qvalue
32) Benzoic acid	9.863	122	184	7.497	ng	# 56
35) Caprolactam	11.487	113	22	5.576	ng	# 1
54) 2,4-Dinitrophenol	14.469	184	64	7.786	ng	# 1
62) 4-Nitroaniline	15.486	138	23	3.289	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.563	198	16	6.010	ng	# 1

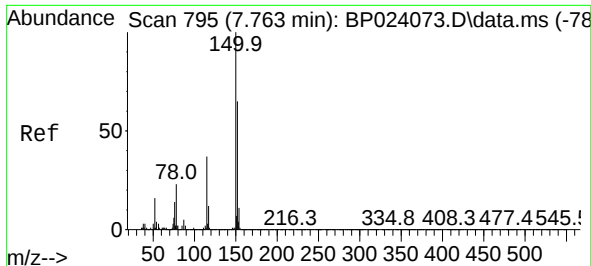
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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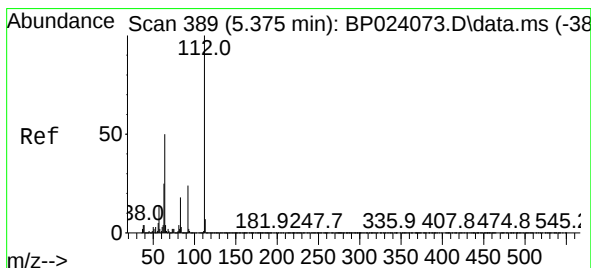
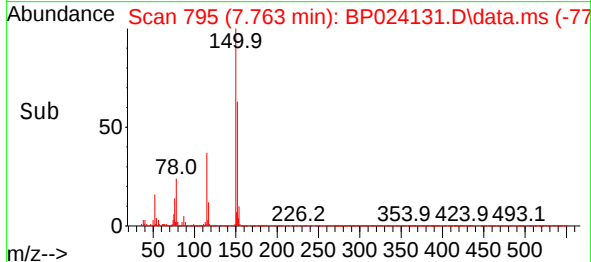
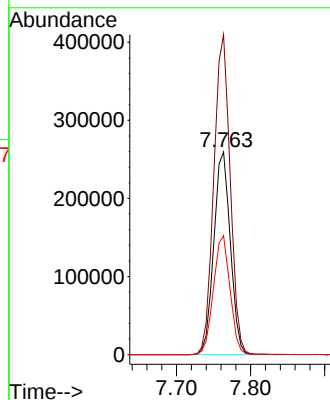
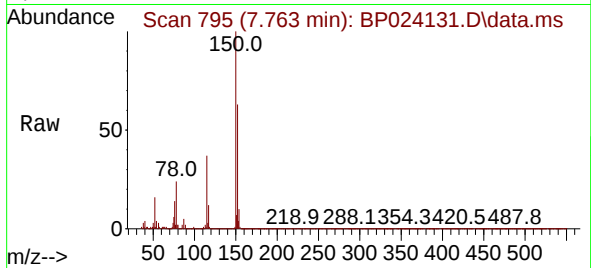




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BP024131.D
Acq: 28 Feb 2025 12:09

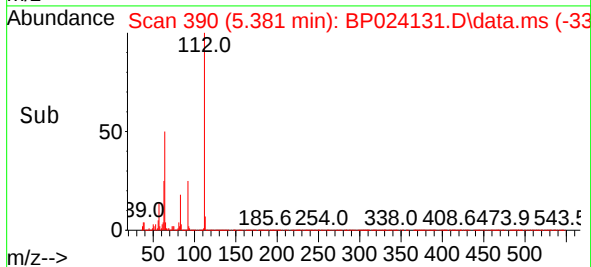
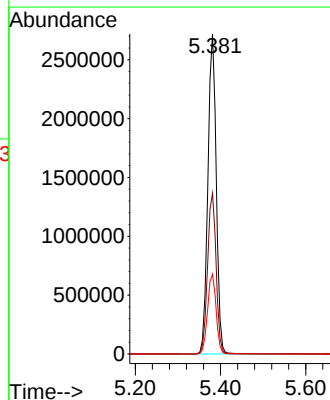
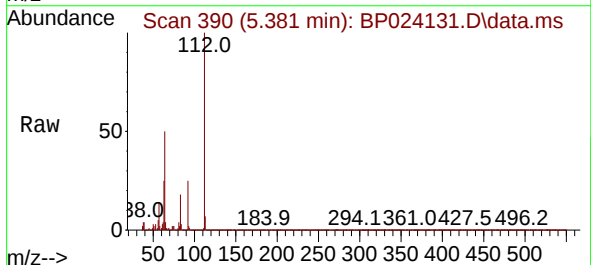
Instrument :
BNA_P
ClientSampleId :
PB166914BL

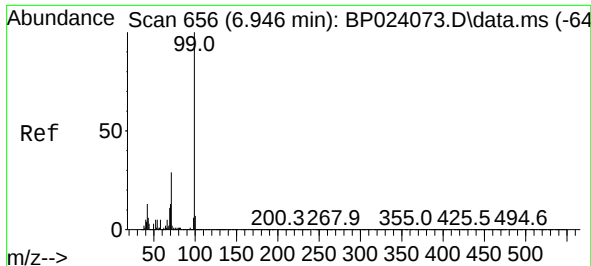
Tgt Ion:152 Resp: 401774
Ion Ratio Lower Upper
152 100
150 157.9 122.4 183.6
115 58.7 45.0 67.6



#5
2-Fluorophenol
Concen: 143.551 ng
RT: 5.381 min Scan# 390
Delta R.T. 0.006 min
Lab File: BP024131.D
Acq: 28 Feb 2025 12:09

Tgt Ion:112 Resp: 3696274
Ion Ratio Lower Upper
112 100
64 50.3 39.6 59.4
63 25.0 20.3 30.5

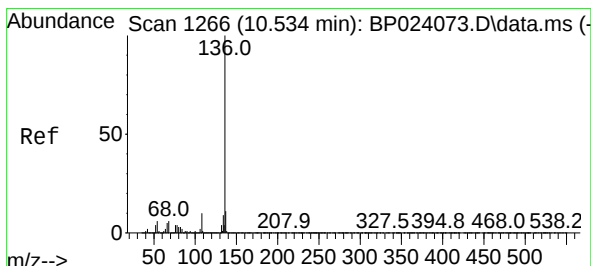
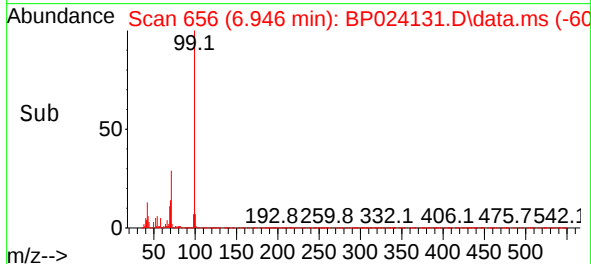
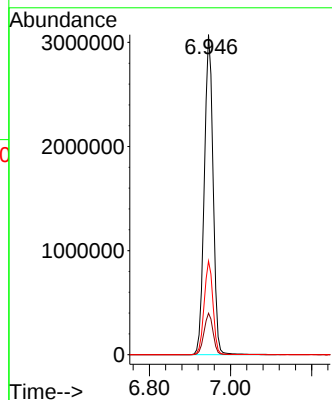
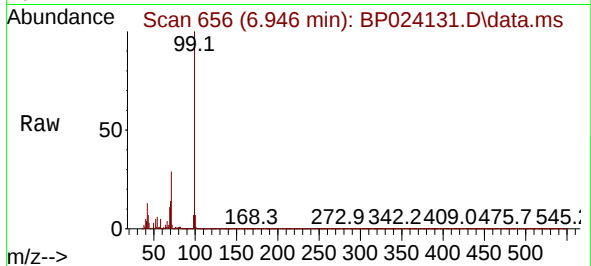




#7
Phenol-d6
Concen: 139.690 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024131.D
Acq: 28 Feb 2025 12:09

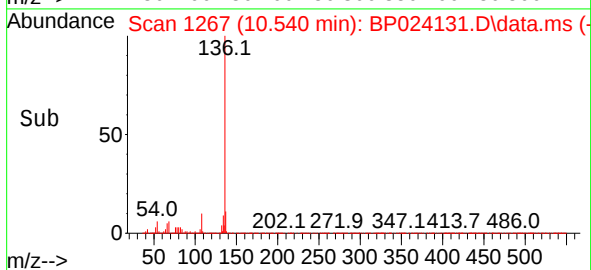
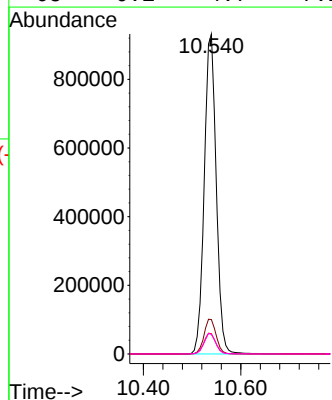
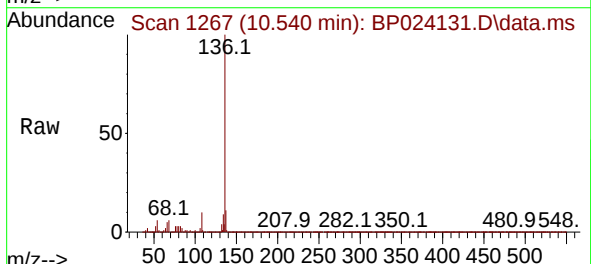
Instrument :
BNA_P
ClientSampleId :
PB166914BL

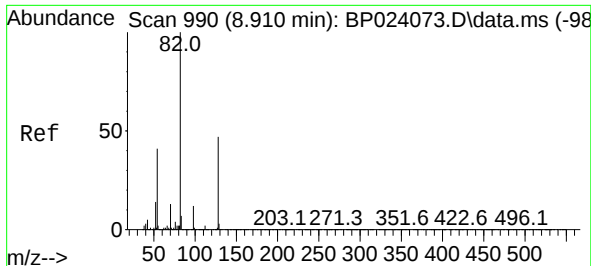
Tgt Ion: 99 Resp: 4622913
Ion Ratio Lower Upper
99 100
42 13.0 10.3 15.5
71 29.3 22.9 34.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1267
Delta R.T. 0.006 min
Lab File: BP024131.D
Acq: 28 Feb 2025 12:09

Tgt Ion:136 Resp: 1583690
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.3 4.9 7.3
68 6.1 4.7 7.1





#23

Nitrobenzene-d5

Concen: 95.548 ng

RT: 8.910 min Scan# 990

Delta R.T. -0.000 min

Lab File: BP024131.D

Acq: 28 Feb 2025 12:09

Instrument :

BNA_P

ClientSampleId :

PB166914BL

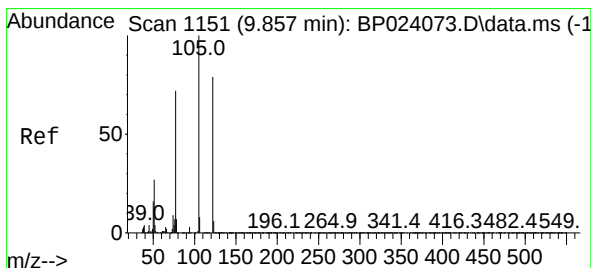
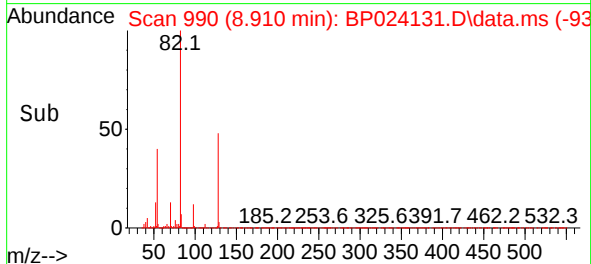
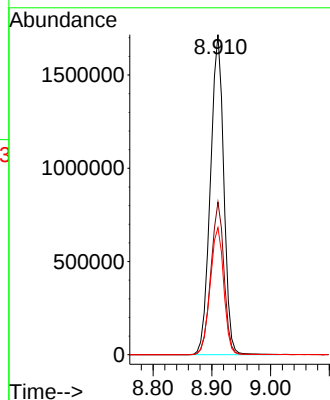
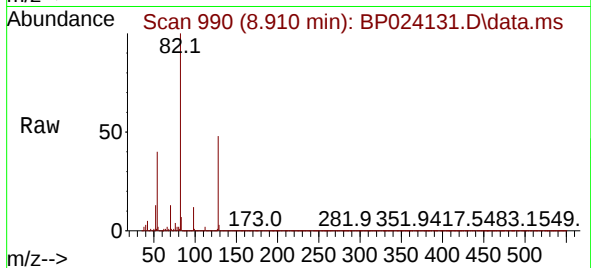
Tgt Ion: 82 Resp: 2712345

Ion Ratio Lower Upper

82 100

128 47.7 37.4 56.2

54 39.7 32.4 48.6



#32

Benzoic acid

Concen: 7.497 ng

RT: 9.863 min Scan# 1152

Delta R.T. 0.006 min

Lab File: BP024131.D

Acq: 28 Feb 2025 12:09

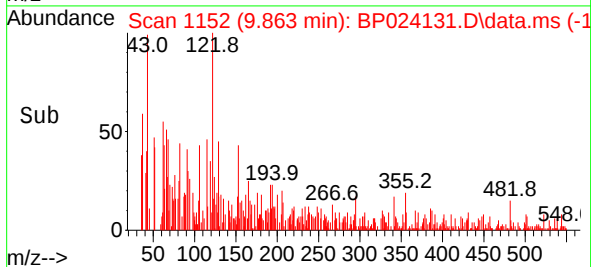
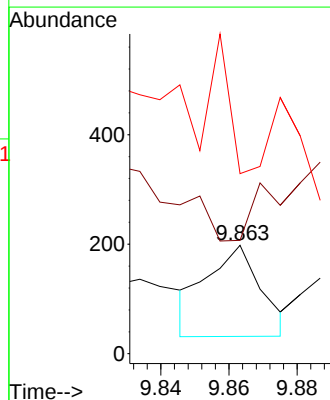
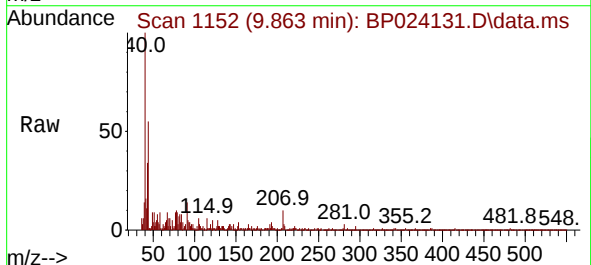
Tgt Ion:122 Resp: 184

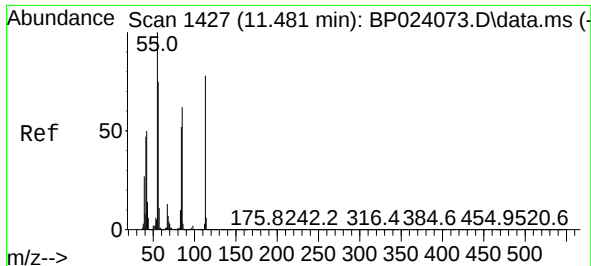
Ion Ratio Lower Upper

122 100

105 104.5 103.7 143.7

77 166.2 69.9 109.9#

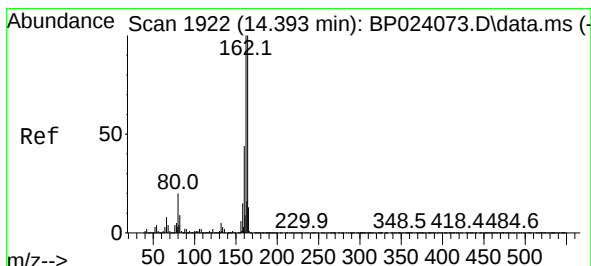
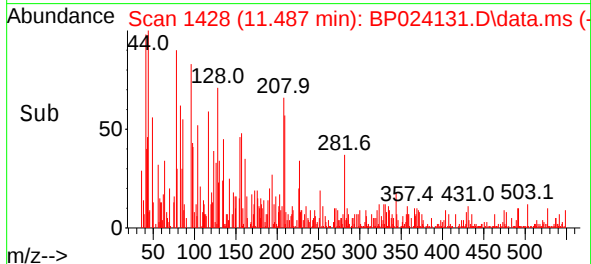
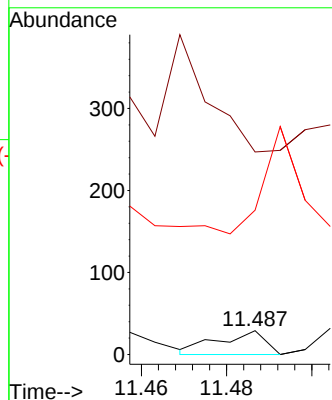
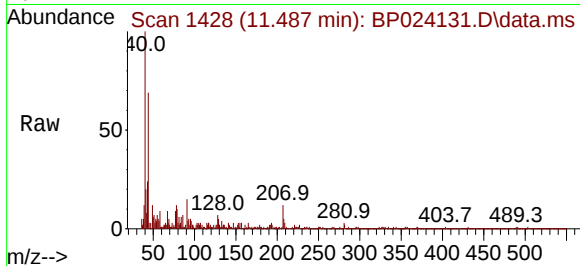




#35
Caprolactam
Concen: 5.576 ng
RT: 11.487 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BP024131.D
Acq: 28 Feb 2025 12:09

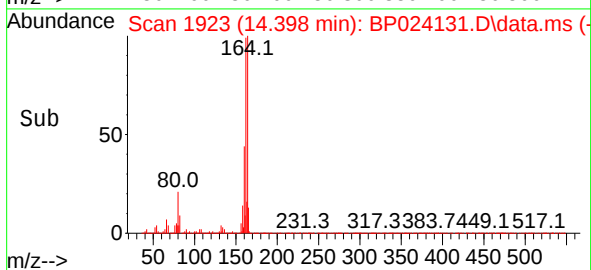
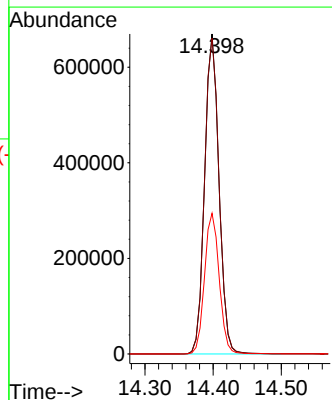
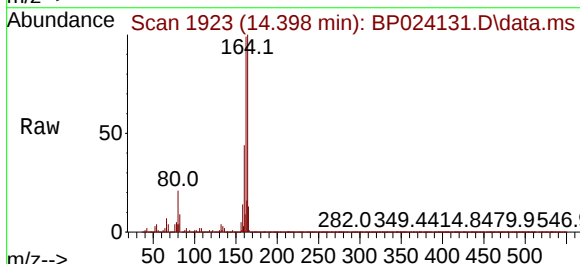
Instrument :
BNA_P
ClientSampleId :
PB166914BL

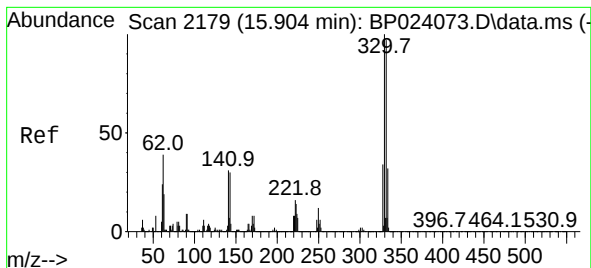
Tgt Ion:113 Resp: 22
Ion Ratio Lower Upper
113 100
55 851.7 108.8 148.8#
56 606.9 76.5 116.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1923
Delta R.T. 0.006 min
Lab File: BP024131.D
Acq: 28 Feb 2025 12:09

Tgt Ion:164 Resp: 978288
Ion Ratio Lower Upper
164 100
162 98.7 80.1 120.1
160 44.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 154.512 ng

RT: 15.922 min Scan# 2179

Delta R.T. 0.018 min

Lab File: BP024131.D

Acq: 28 Feb 2025 12:09

Instrument :

BNA_P

ClientSampleId :

PB166914BL

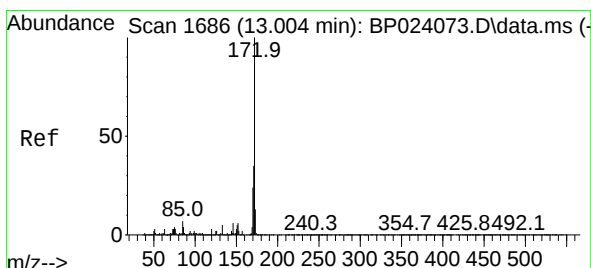
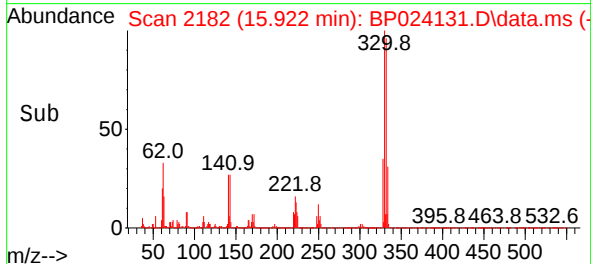
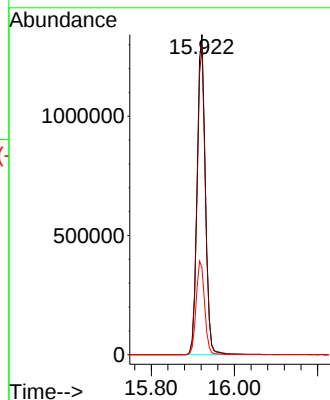
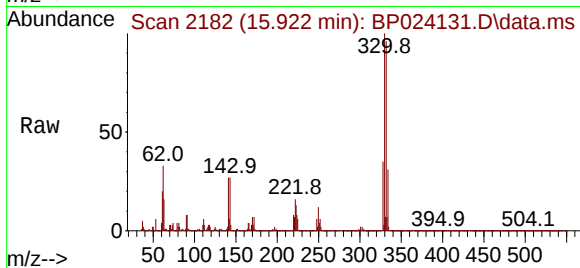
Tgt Ion:330 Resp: 1851511

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.4

141 30.0 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 88.846 ng

RT: 13.004 min Scan# 1686

Delta R.T. -0.000 min

Lab File: BP024131.D

Acq: 28 Feb 2025 12:09

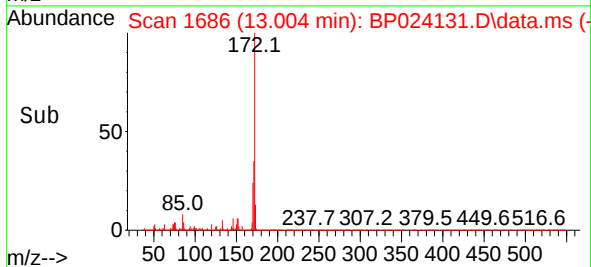
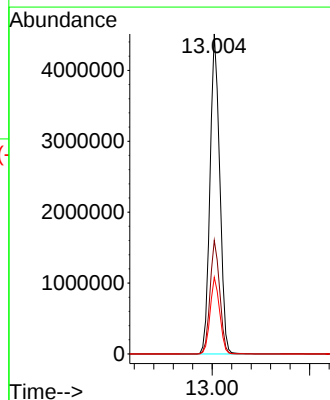
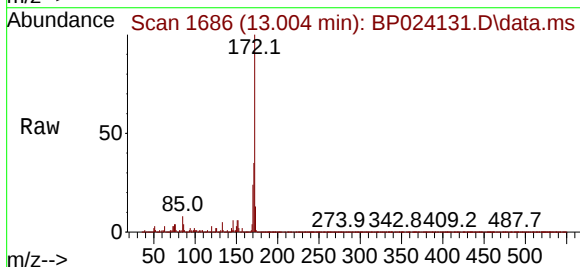
Tgt Ion:172 Resp: 6217222

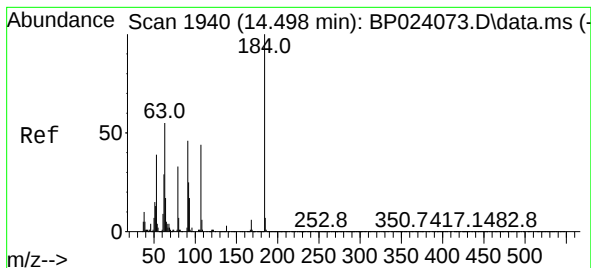
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.2

170 24.0 19.0 28.6





#54

2,4-Dinitrophenol

Concen: 7.786 ng

RT: 14.469 min Scan# 1935

Delta R.T. -0.029 min

Lab File: BP024131.D

Acq: 28 Feb 2025 12:09

Instrument :

BNA_P

ClientSampleId :

PB166914BL

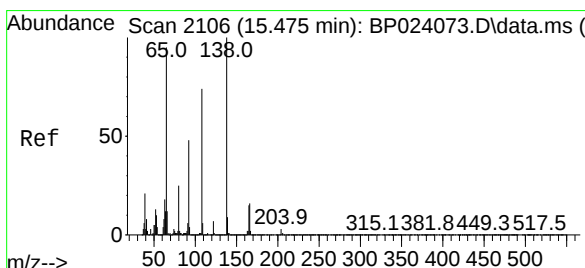
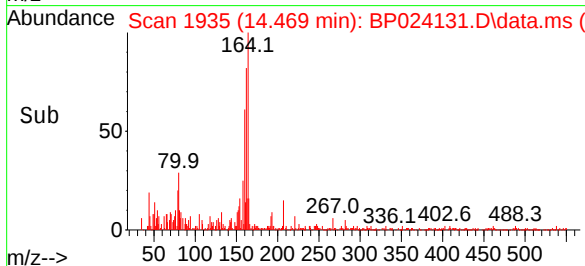
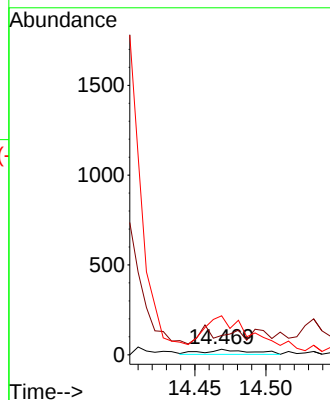
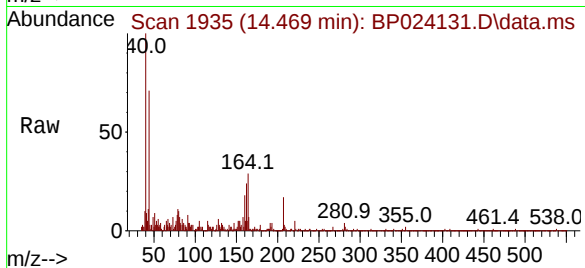
Tgt Ion:184 Resp: 64

Ion Ratio Lower Upper

184 100

63 345.2 49.4 74.0#

154 700.0 49.2 73.8#



#62

4-Nitroaniline

Concen: 3.289 ng

RT: 15.486 min Scan# 2108

Delta R.T. 0.011 min

Lab File: BP024131.D

Acq: 28 Feb 2025 12:09

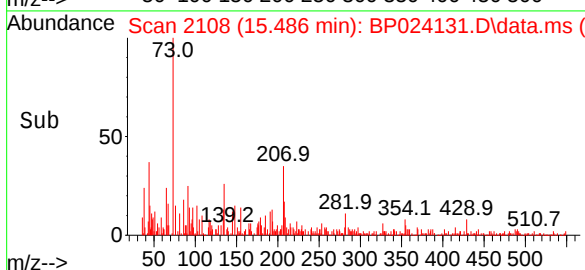
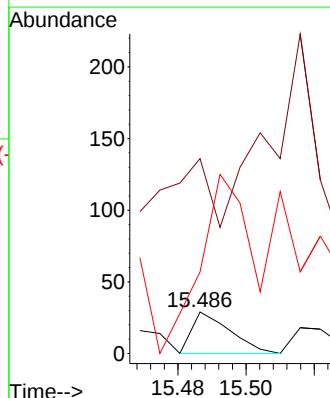
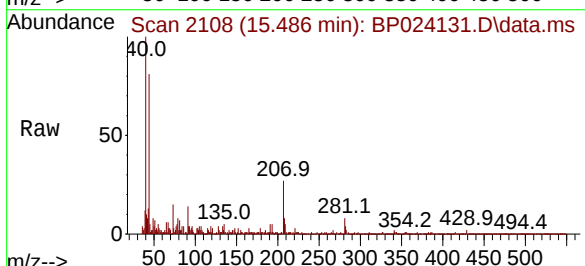
Tgt Ion:138 Resp: 23

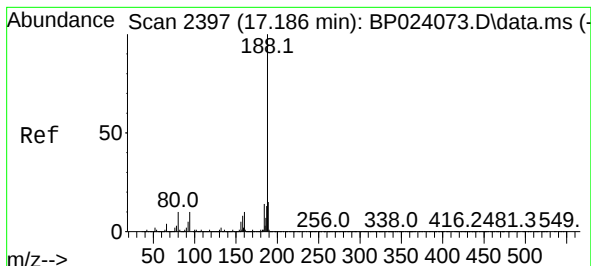
Ion Ratio Lower Upper

138 100

92 469.0 28.3 68.3#

108 196.6 54.0 94.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.210 min Scan# 2401

Delta R.T. 0.023 min

Lab File: BP024131.D

Acq: 28 Feb 2025 12:09

Instrument :

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PB166914BL

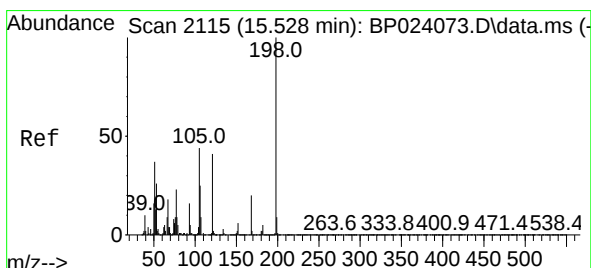
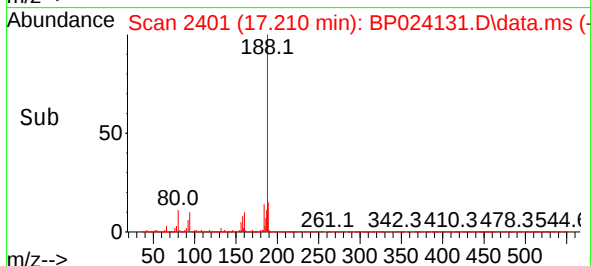
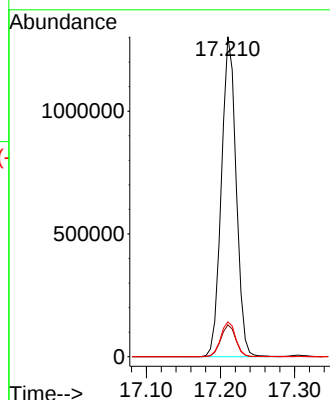
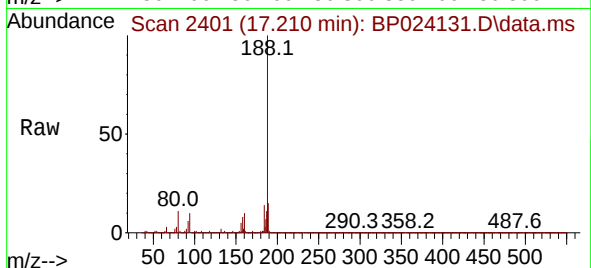
Tgt Ion:188 Resp: 1805232

Ion Ratio Lower Upper

188 100

94 9.9 7.6 11.4

80 10.9 8.2 12.2



#65

4,6-Dinitro-2-methylphenol

Concen: 6.010 ng

RT: 15.563 min Scan# 2121

Delta R.T. 0.035 min

Lab File: BP024131.D

Acq: 28 Feb 2025 12:09

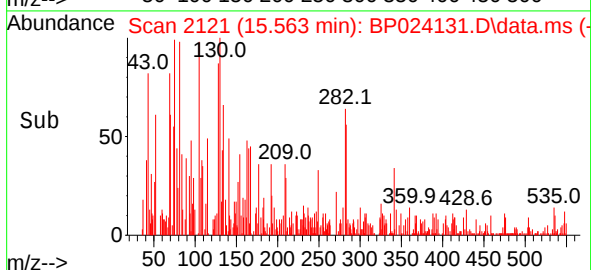
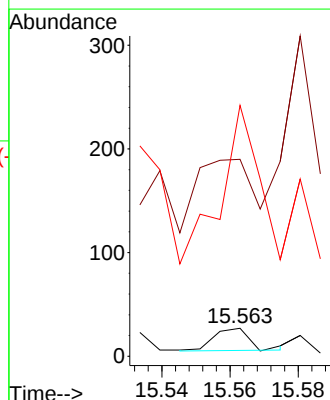
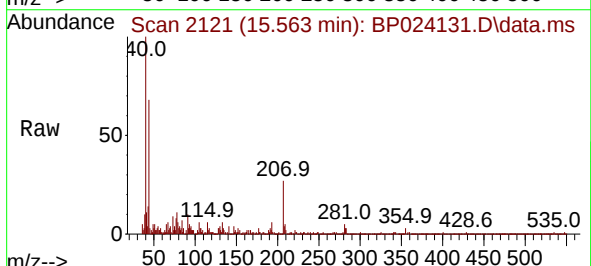
Tgt Ion:198 Resp: 16

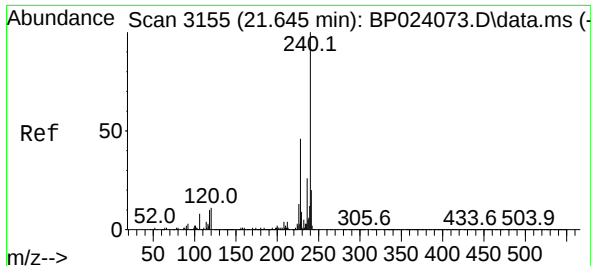
Ion Ratio Lower Upper

198 100

51 703.7 18.7 58.7#

105 896.3 24.7 64.7#

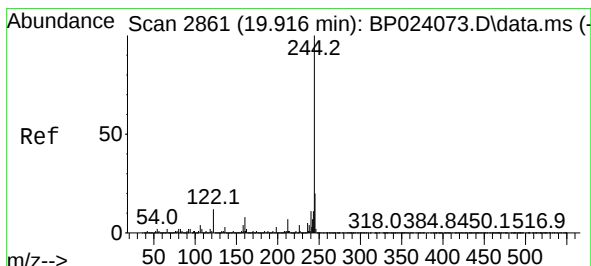
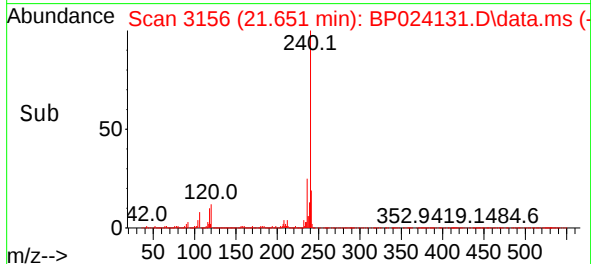
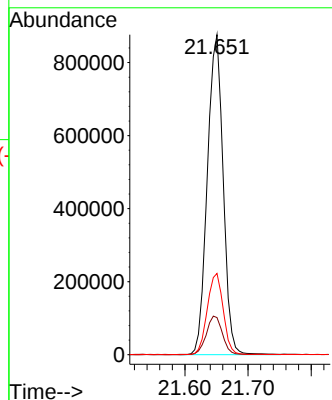
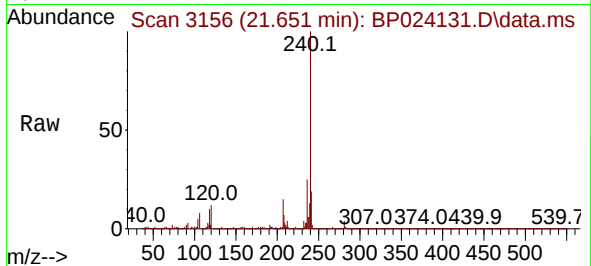




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3155
Delta R.T. 0.006 min
Lab File: BP024131.D
Acq: 28 Feb 2025 12:09

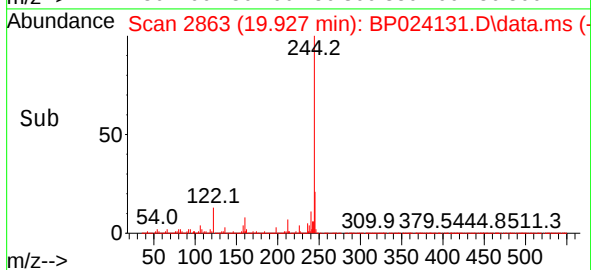
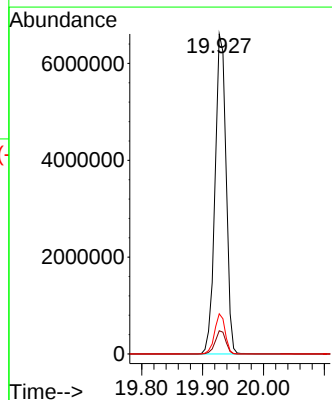
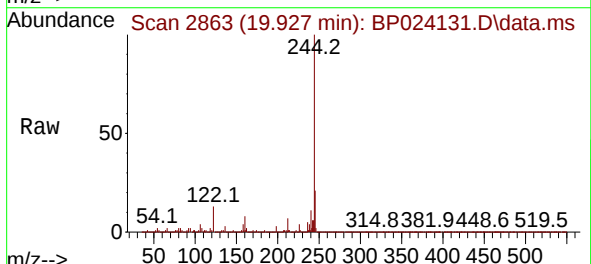
Instrument :
BNA_P
ClientSampleId :
PB166914BL

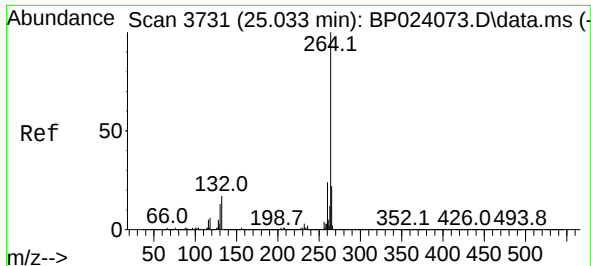
Tgt Ion:240 Resp: 1521502
Ion Ratio Lower Upper
240 100
120 11.6 8.9 13.3
236 25.4 20.7 31.1



#79
Terphenyl-d14
Concen: 108.122 ng
RT: 19.927 min Scan# 2863
Delta R.T. 0.012 min
Lab File: BP024131.D
Acq: 28 Feb 2025 12:09

Tgt Ion:244 Resp: 8313708
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 12.6 9.4 14.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.051 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP024131.D
Acq: 28 Feb 2025 12:09

Instrument :
BNA_P
ClientSampleId :
PB166914BL

Tgt Ion:264 Resp: 1635731

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	22.2	17.8	26.8

