

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021825\
 Data File : BP024081.D
 Acq On : 18 Feb 2025 11:48
 Operator : RC/JU
 Sample : PB166216BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB166216BL

Quant Time: Feb 18 12:15:31 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)

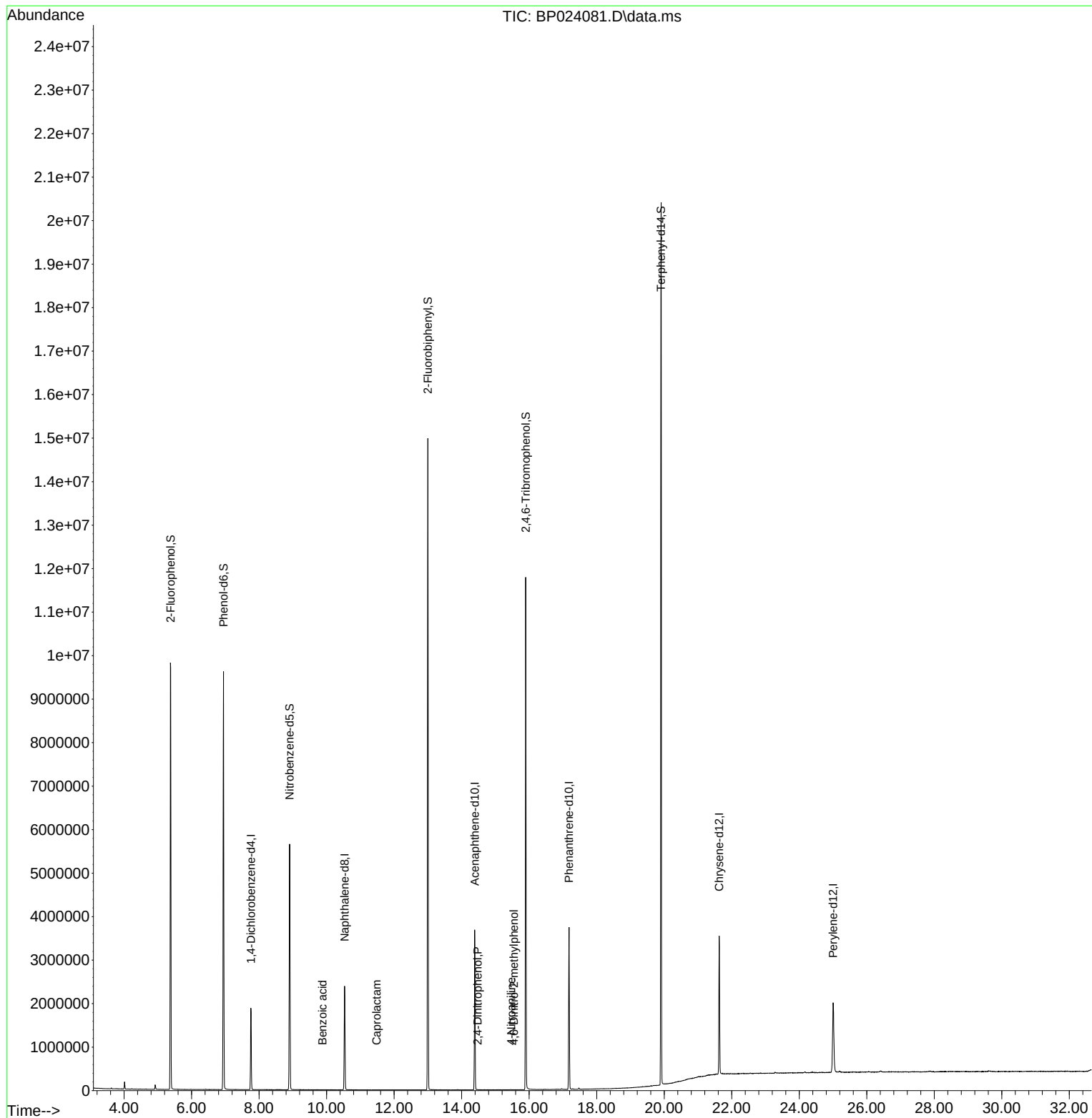
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	517525	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	2011157	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	1167711	20.000	ng	0.00
64) Phenanthrene-d10	17.181	188	2153452	20.000	ng	0.00
76) Chrysene-d12	21.628	240	1731803	20.000	ng	-0.02
86) Perylene-d12	25.004	264	1608142	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	4507788	135.912	ng	0.00
7) Phenol-d6	6.946	99	5497619	128.966	ng	0.00
23) Nitrobenzene-d5	8.905	82	3240105	89.880	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	2004474	140.142	ng	0.00
45) 2-Fluorobiphenyl	12.999	172	7506163	89.865	ng	0.00
79) Terphenyl-d14	19.910	244	9828127	112.295	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.881	122	130	7.493	ng	# 4
35) Caprolactam	11.481	113	43	5.578	ng	# 34
54) 2,4-Dinitrophenol	14.475	184	19	7.781	ng	# 1
62) 4-Nitroaniline	15.469	138	53	3.290	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.546	198	47	6.012	ng	# 1

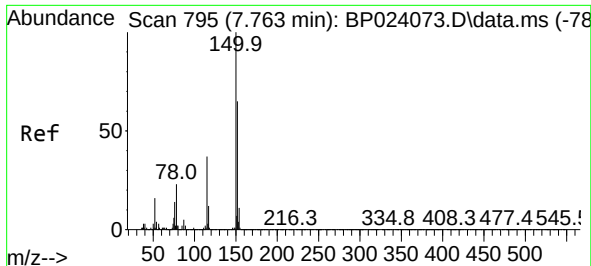
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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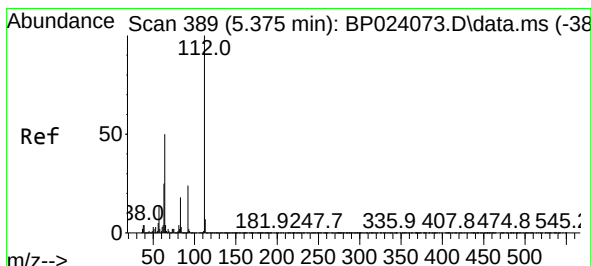
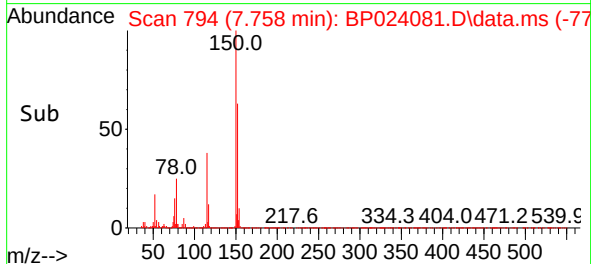
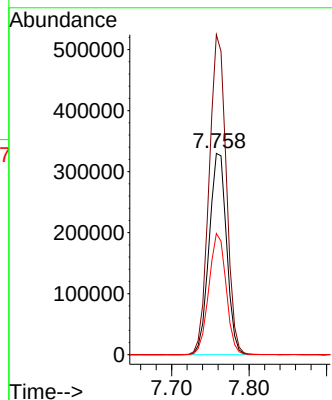
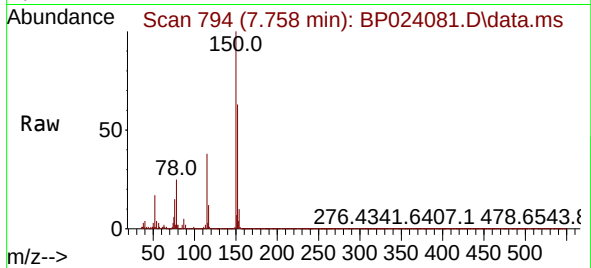




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

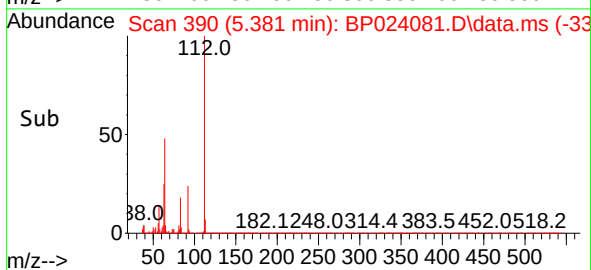
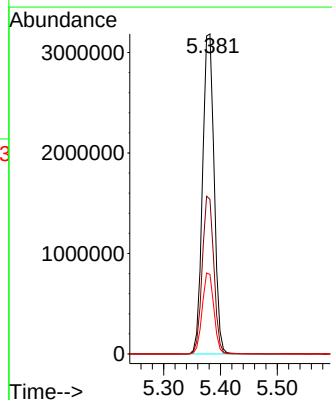
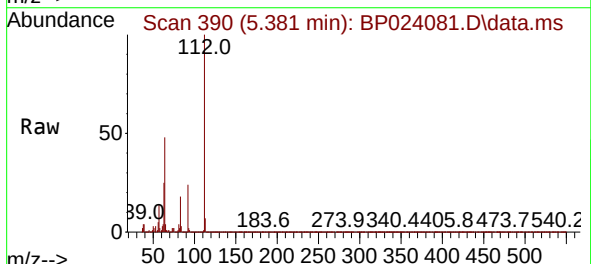
Instrument :
BNA_P
ClientSampleId :
PB166216BL

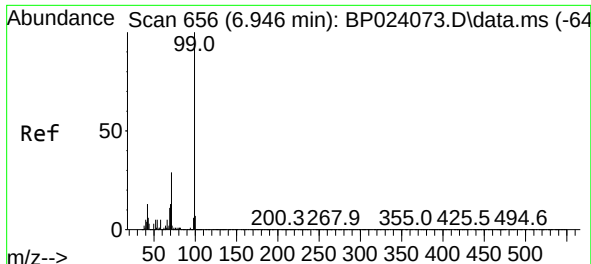
Tgt Ion:152 Resp: 517525
Ion Ratio Lower Upper
152 100
150 158.9 122.4 183.6
115 60.2 45.0 67.6



#5
2-Fluorophenol
Concen: 135.912 ng
RT: 5.381 min Scan# 390
Delta R.T. 0.006 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

Tgt Ion:112 Resp: 4507788
Ion Ratio Lower Upper
112 100
64 48.3 39.6 59.4
63 24.8 20.3 30.5



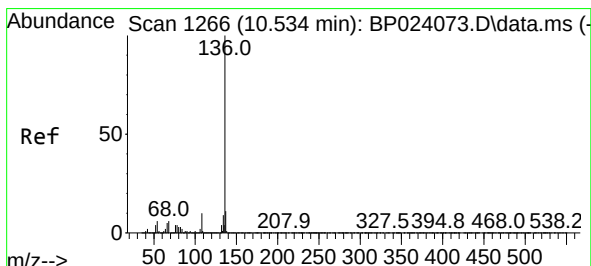
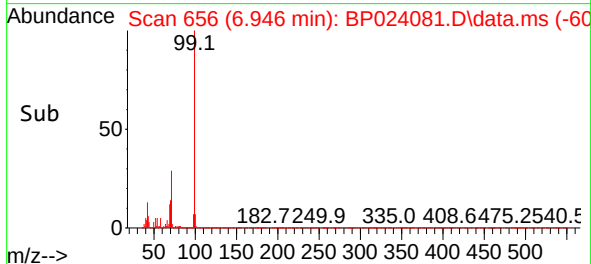
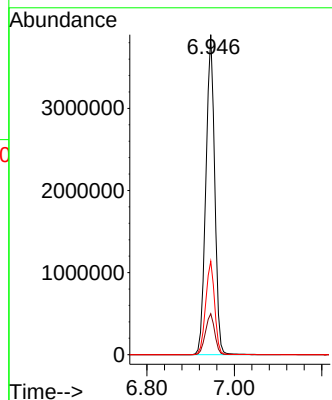
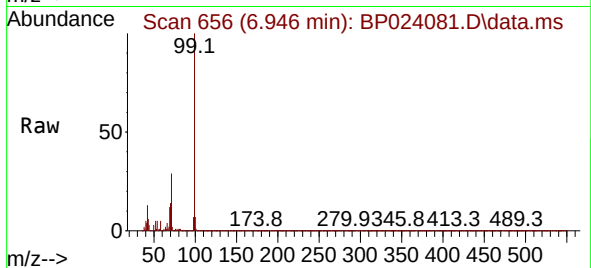


#7
Phenol-d6
Concen: 128.966 ng
RT: 6.946 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

Instrument :
BNA_P
ClientSampleId :
PB166216BL

Tgt Ion: 99 Resp: 5497619

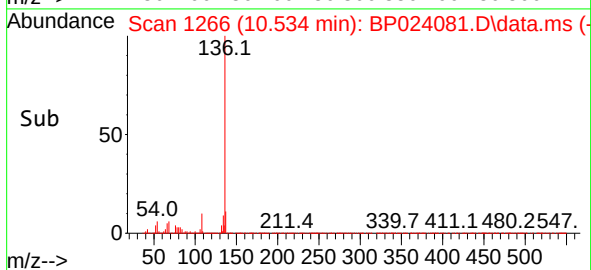
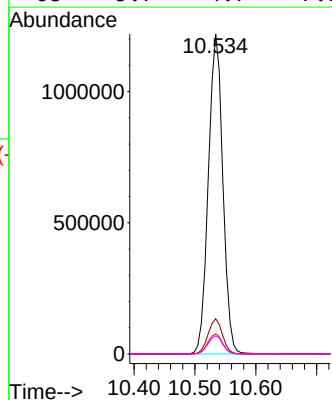
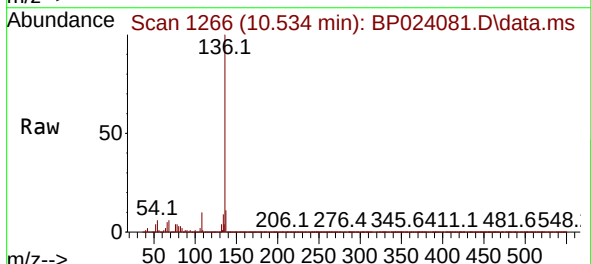
Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.3	15.5
71	29.2	22.9	34.3

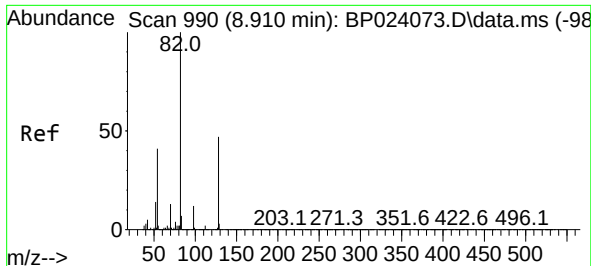


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

Tgt Ion: 136 Resp: 2011157

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.2	4.9	7.3
68	5.7	4.7	7.1

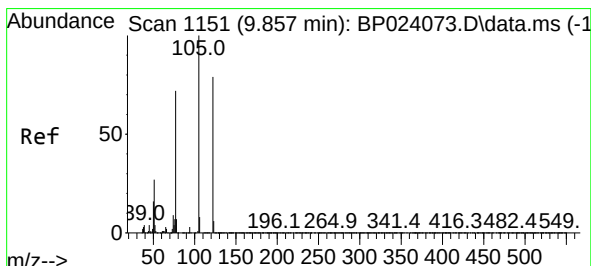
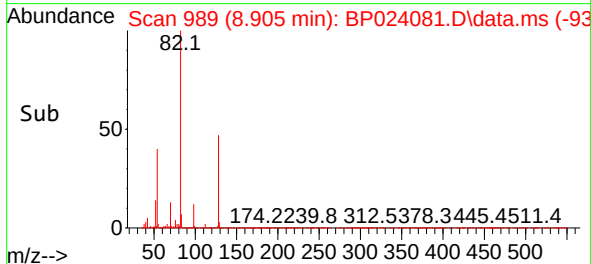
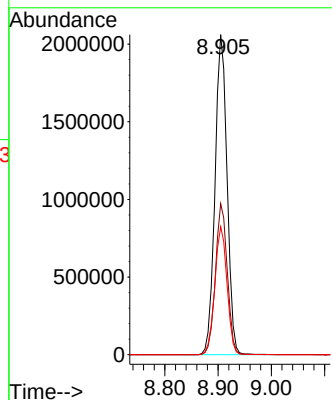
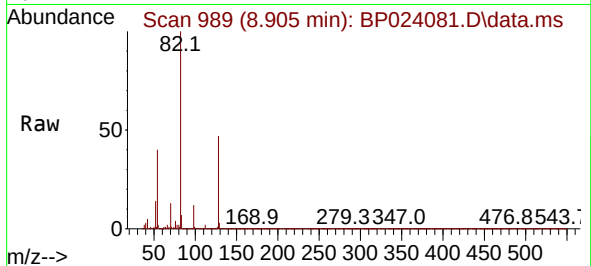




#23
Nitrobenzene-d5
Concen: 89.880 ng
RT: 8.905 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

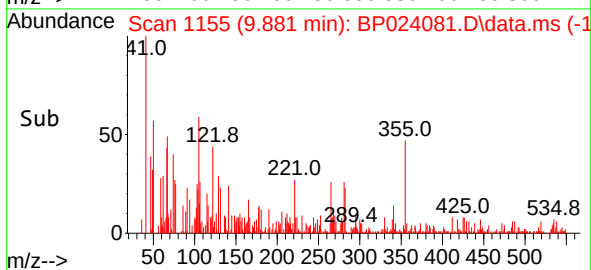
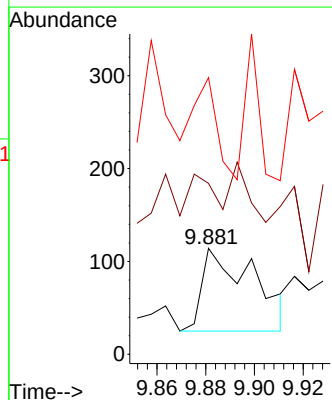
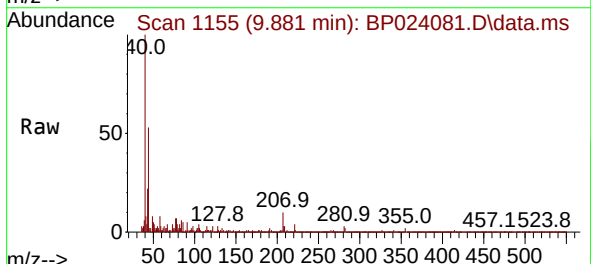
Instrument :
BNA_P
ClientSampleId :
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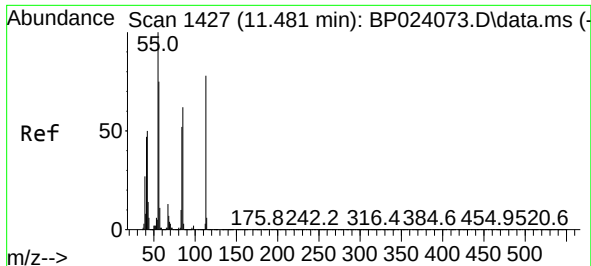
Tgt Ion: 82 Resp: 3240105
Ion Ratio Lower Upper
82 100
128 47.2 37.4 56.2
54 40.0 32.4 48.6



#32
Benzoic acid
Concen: 7.493 ng
RT: 9.881 min Scan# 1155
Delta R.T. 0.024 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

Tgt Ion:122 Resp: 130
Ion Ratio Lower Upper
122 100
105 161.4 103.7 143.7#
77 261.4 69.9 109.9#

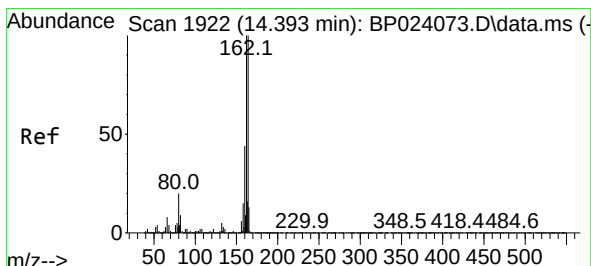
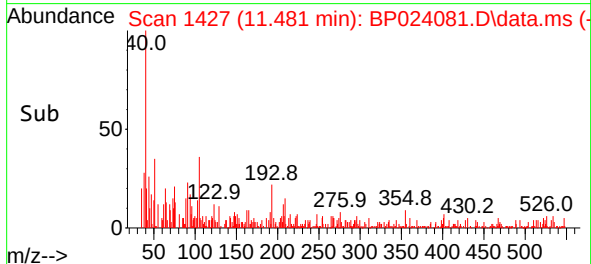
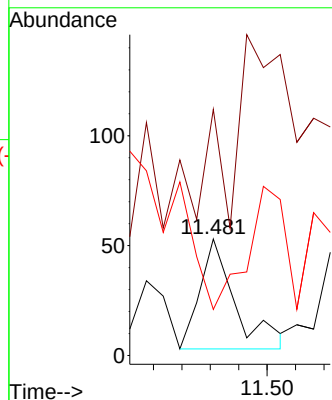
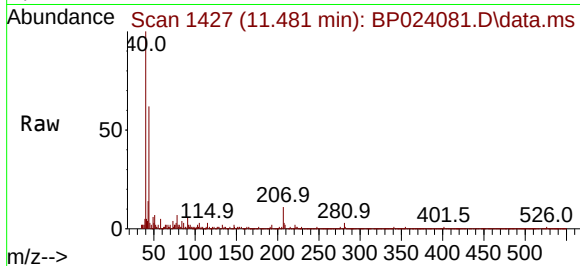




#35
Caprolactam
Concen: 5.578 ng
RT: 11.481 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

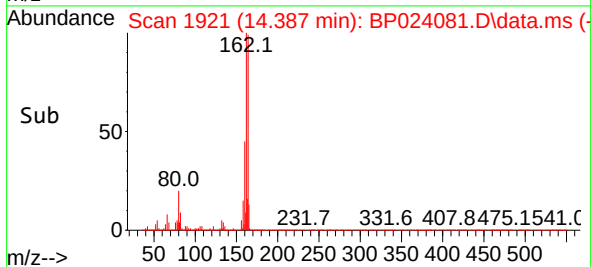
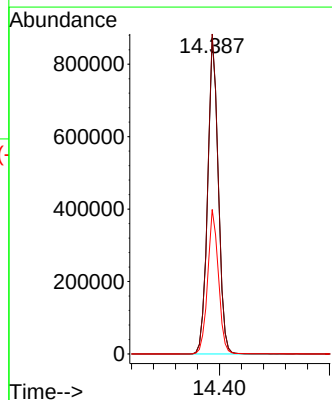
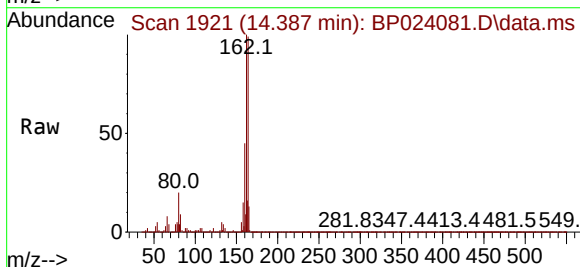
Instrument :
BNA_P
ClientSampleId :
PB166216BL

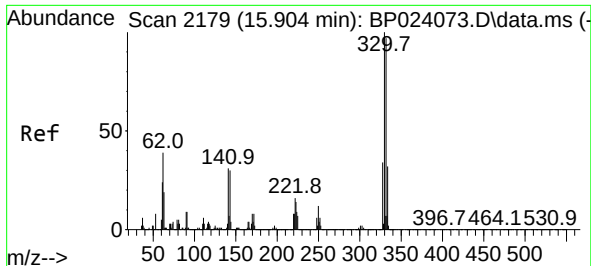
Tgt Ion:113 Resp: 43
Ion Ratio Lower Upper
113 100
55 211.3 108.8 148.8#
56 39.6 76.5 116.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

Tgt Ion:164 Resp: 1167711
Ion Ratio Lower Upper
164 100
162 101.1 80.1 120.1
160 45.7 35.6 53.4

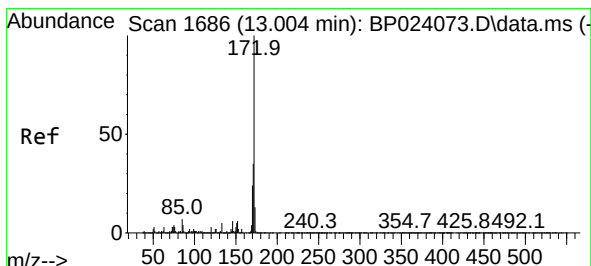
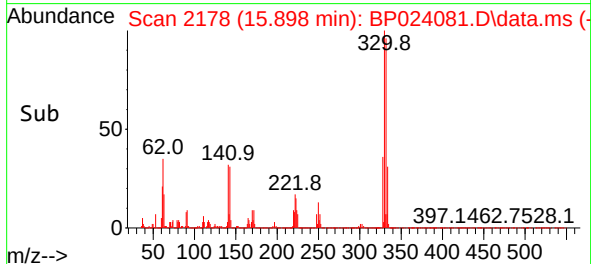
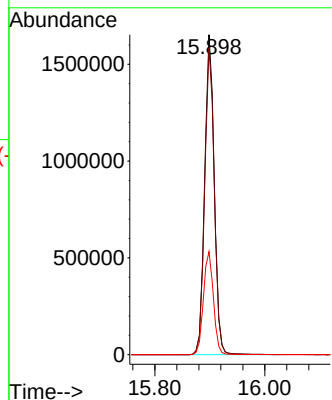
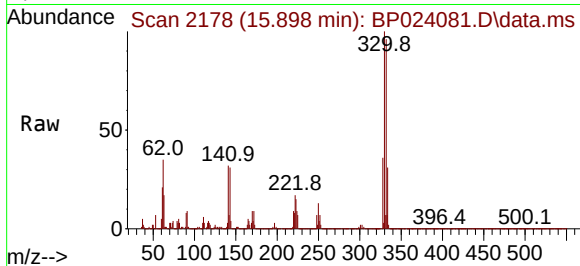




#42
2,4,6-Tribromophenol
Concen: 140.142 ng
RT: 15.898 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

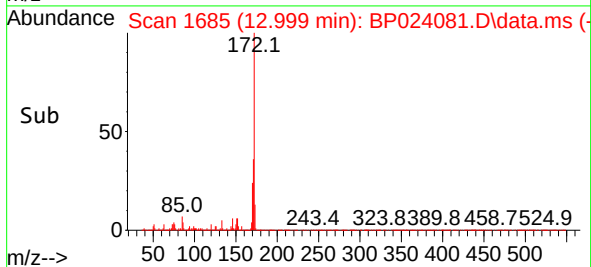
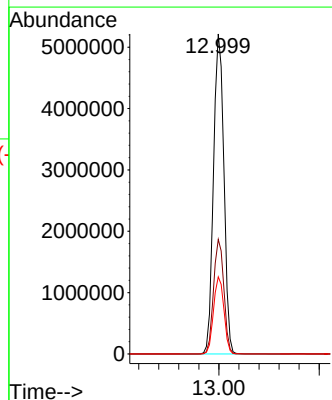
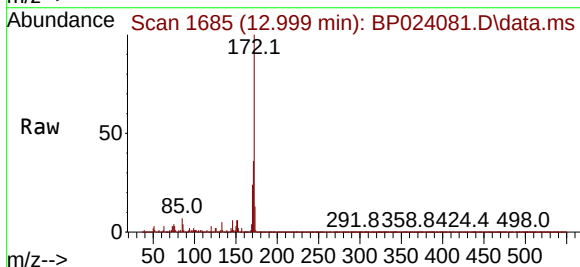
Instrument :
BNA_P
ClientSampleId :
PB166216BL

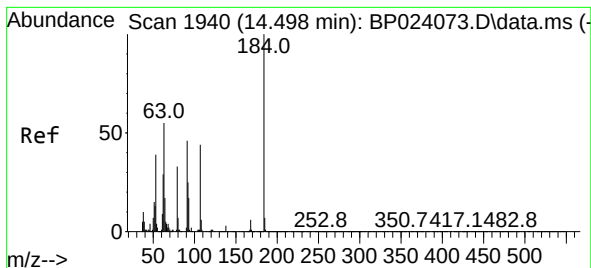
Tgt Ion:330 Resp: 2004474
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 33.7 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 89.865 ng
RT: 12.999 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

Tgt Ion:172 Resp: 7506163
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.2
170 24.1 19.0 28.6

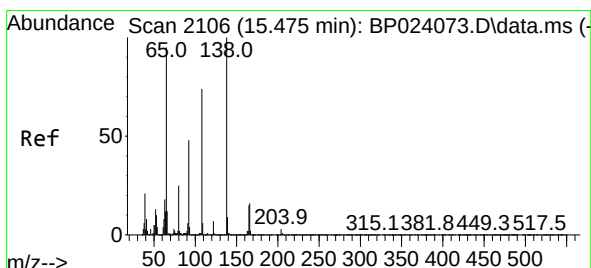
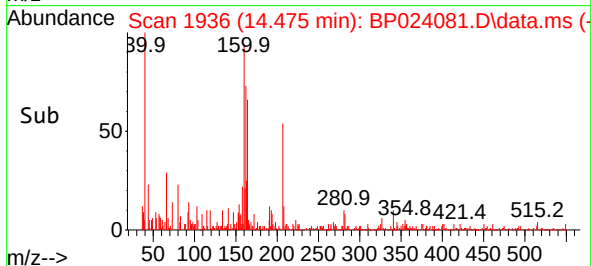
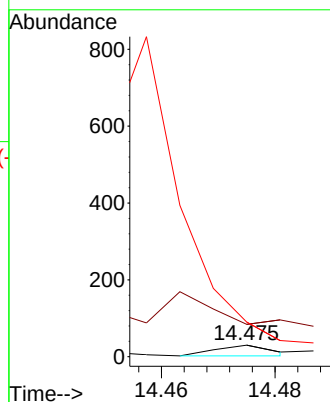
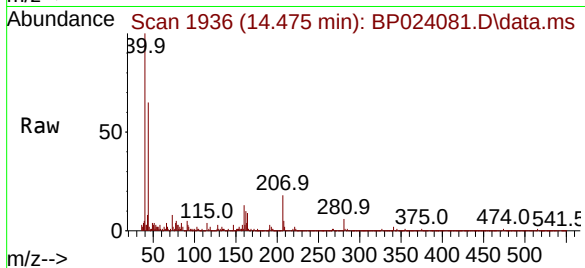




#54
2,4-Dinitrophenol
Concen: 7.781 ng
RT: 14.475 min Scan# 1936
Delta R.T. -0.023 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

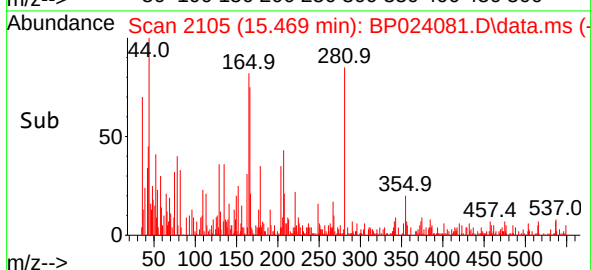
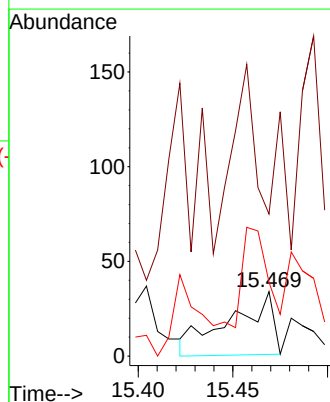
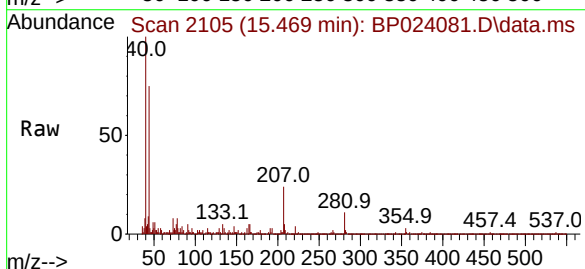
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BNA_P
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PB166216BL

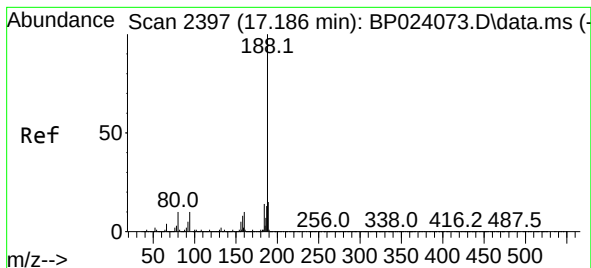
Tgt Ion:184 Resp: 19
Ion Ratio Lower Upper
184 100
63 280.0 49.4 74.0#
154 300.0 49.2 73.8#



#62
4-Nitroaniline
Concen: 3.290 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

Tgt Ion:138 Resp: 53
Ion Ratio Lower Upper
138 100
92 220.6 28.3 68.3#
108 114.7 54.0 94.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.181 min Scan# 2118

Delta R.T. -0.006 min

Lab File: BP024081.D

Acq: 18 Feb 2025 11:48

Instrument :

BNA_P

ClientSampleId :

PB166216BL

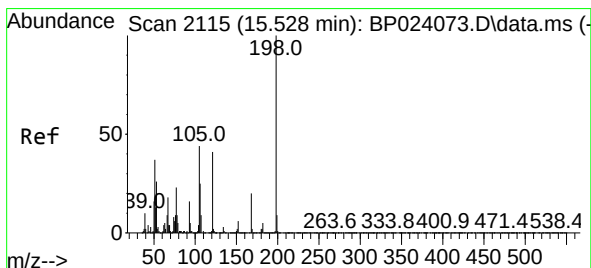
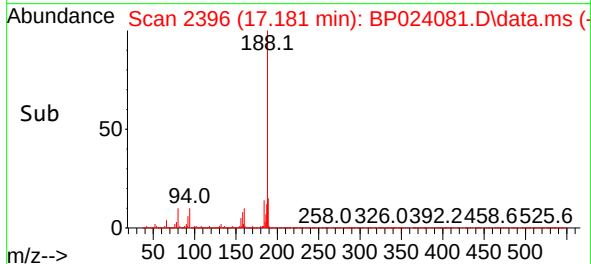
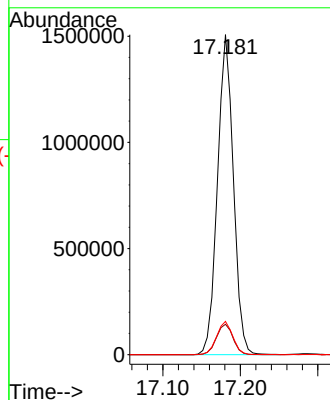
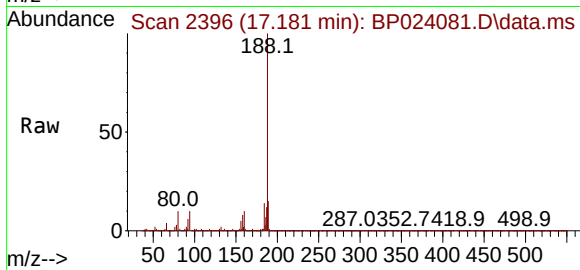
Tgt Ion:188 Resp: 2153452

Ion Ratio Lower Upper

188 100

94 9.5 7.6 11.4

80 10.4 8.2 12.2



#65

4,6-Dinitro-2-methylphenol

Concen: 6.012 ng

RT: 15.546 min Scan# 2118

Delta R.T. 0.018 min

Lab File: BP024081.D

Acq: 18 Feb 2025 11:48

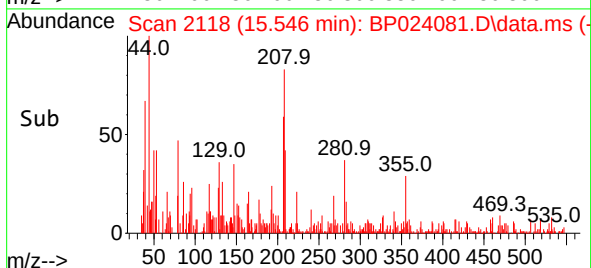
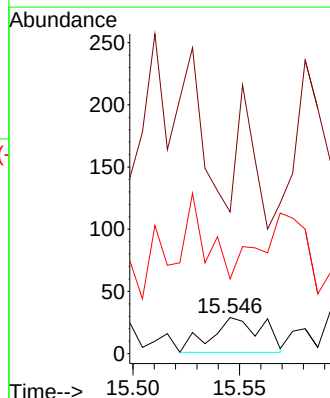
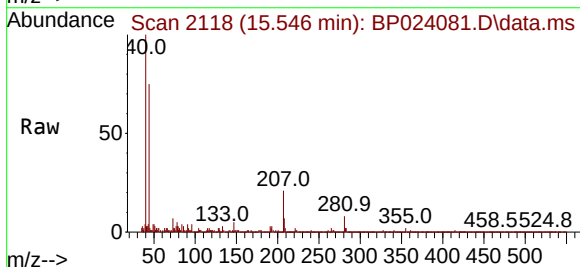
Tgt Ion:198 Resp: 47

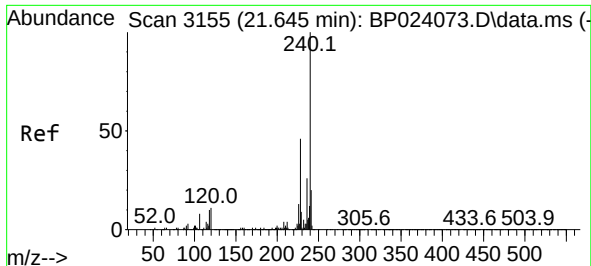
Ion Ratio Lower Upper

198 100

51 393.1 18.7 58.7#

105 206.9 24.7 64.7#

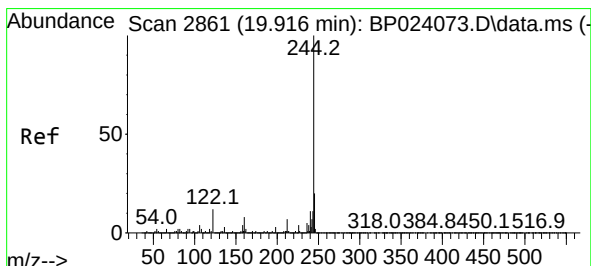
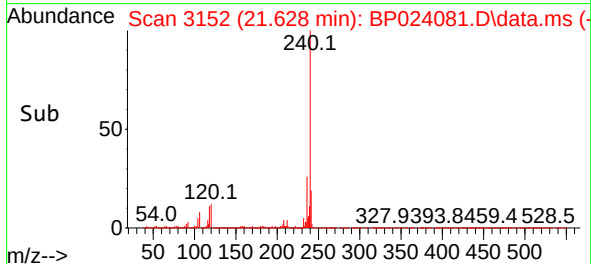
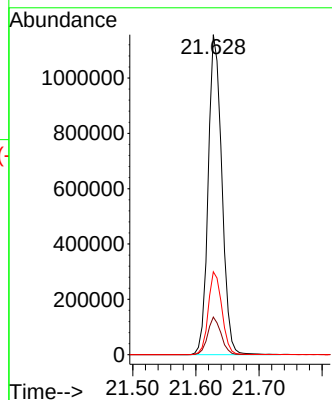
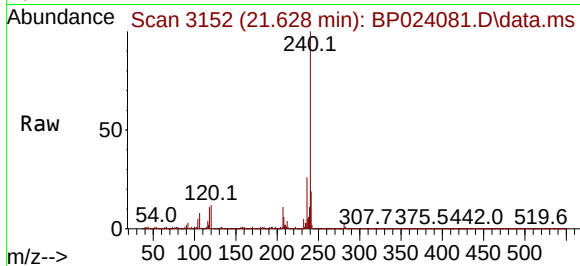




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.628 min Scan# 3152
Delta R.T. -0.017 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

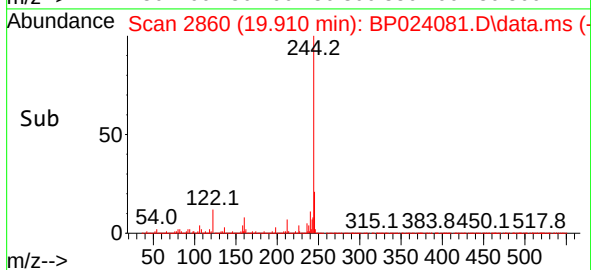
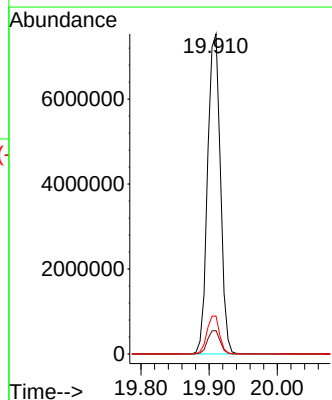
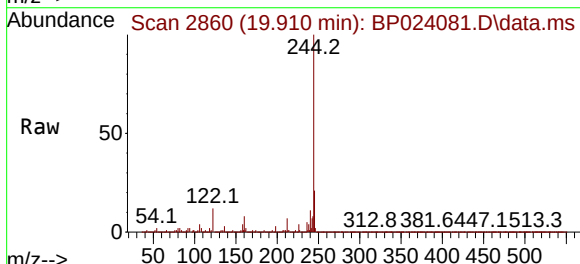
Instrument :
BNA_P
ClientSampleId :
PB166216BL

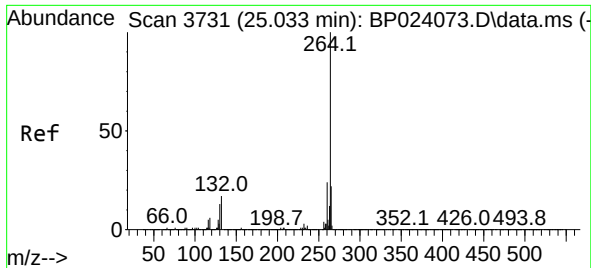
Tgt Ion:240 Resp: 1731803
Ion Ratio Lower Upper
240 100
120 11.8 8.9 13.3
236 25.9 20.7 31.1



#79
Terphenyl-d14
Concen: 112.295 ng
RT: 19.910 min Scan# 2860
Delta R.T. -0.006 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

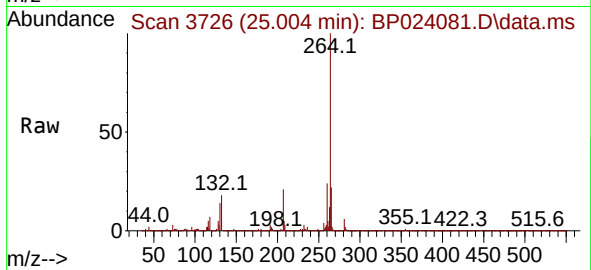
Tgt Ion:244 Resp: 9828127
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 11.9 9.4 14.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.004 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP024081.D
Acq: 18 Feb 2025 11:48

Instrument :
BNA_P
ClientSampleId :
PB166216BL



Tgt Ion:264 Resp: 1608142

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	22.0	17.8	26.8

