

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022725\
 Data File : BP024119.D
 Acq On : 27 Feb 2025 13:41
 Operator : RC/JU
 Sample : PB166894TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB166894TB

Quant Time: Feb 27 14:06:58 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)

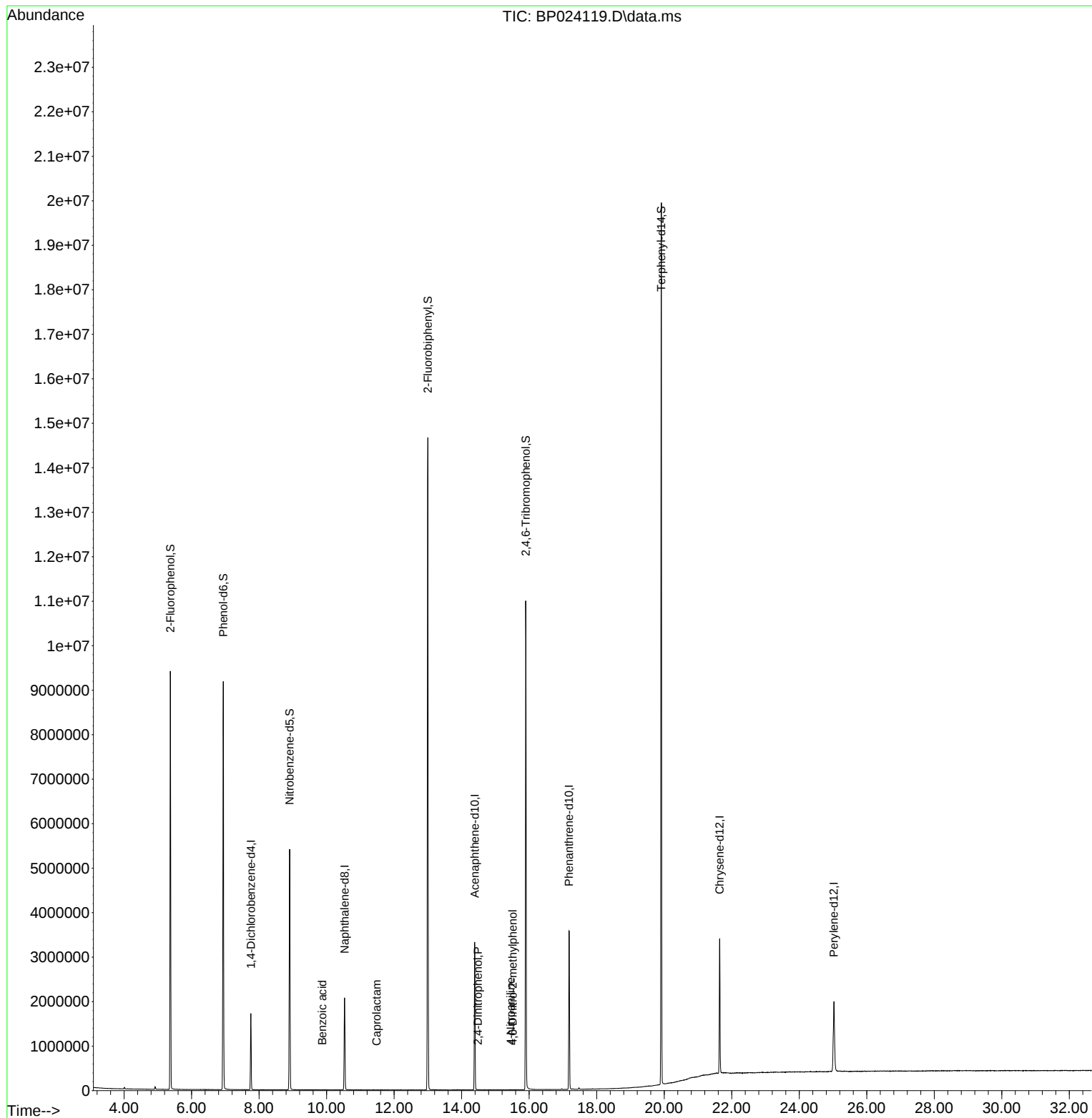
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	450576	20.000	ng	-0.04
21) Naphthalene-d8	10.534	136	1837373	20.000	ng	-0.03
39) Acenaphthene-d10	14.386	164	1172275	20.000	ng	-0.04
64) Phenanthrene-d10	17.180	188	2221248	20.000	ng	-0.04
76) Chrysene-d12	21.645	240	1680654	20.000	ng	-0.03
86) Perylene-d12	25.027	264	1598178	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	4330315	149.960	ng	-0.03
7) Phenol-d6	6.940	99	5564890	149.941	ng	-0.04
23) Nitrobenzene-d5	8.904	82	3223998	97.892	ng	-0.04
42) 2,4,6-Tribromophenol	15.898	330	2159531	150.395	ng	-0.04
45) 2-Fluorobiphenyl	12.998	172	7674592	91.524	ng	-0.04
79) Terphenyl-d14	19.916	244	9890167	116.444	ng	-0.03
Target Compounds						
						Qvalue
32) Benzoic acid	9.869	122	31	7.489	ng	# 1
35) Caprolactam	11.481	113	23	5.576	ng	# 36
54) 2,4-Dinitrophenol	14.486	184	10	7.780	ng	# 76
62) 4-Nitroaniline	15.457	138	21	3.289	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.516	198	13	6.010	ng	# 1

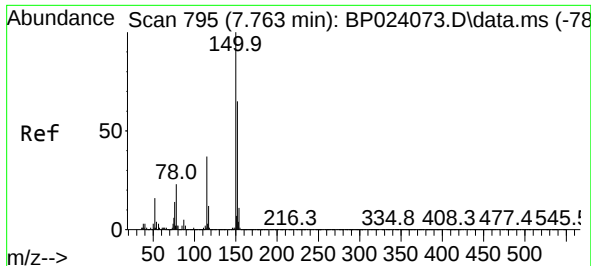
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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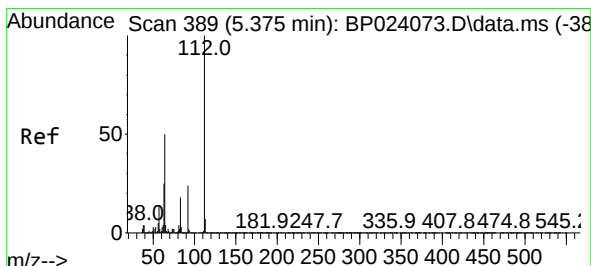
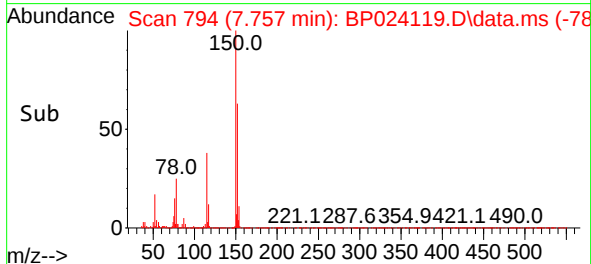
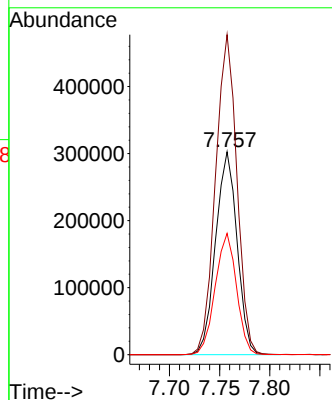
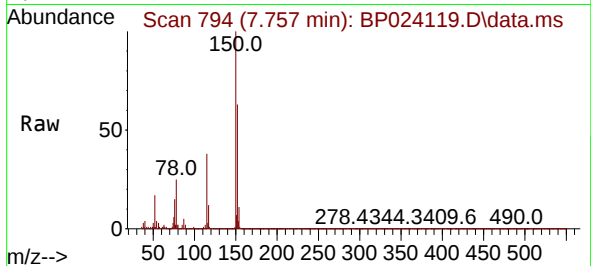




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 795
Delta R.T. -0.036 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

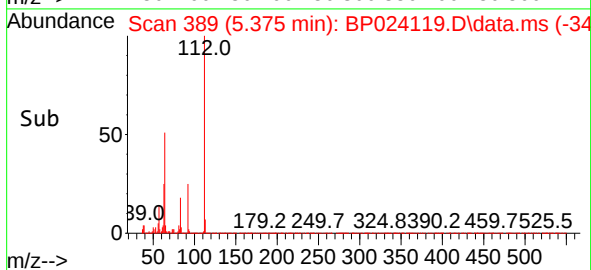
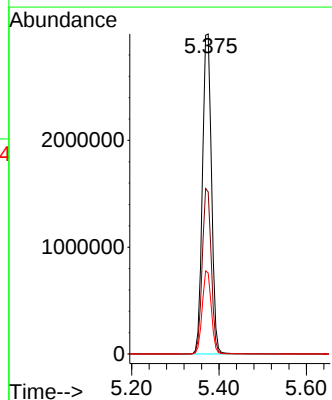
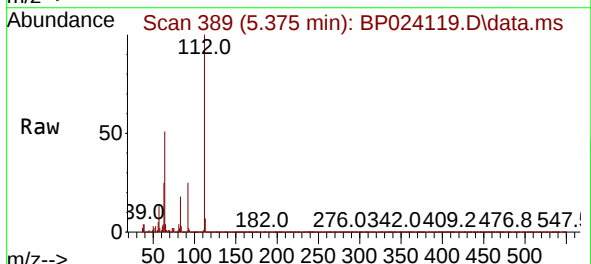
Instrument :
BNA_P
ClientSampleId :
PB166894TB

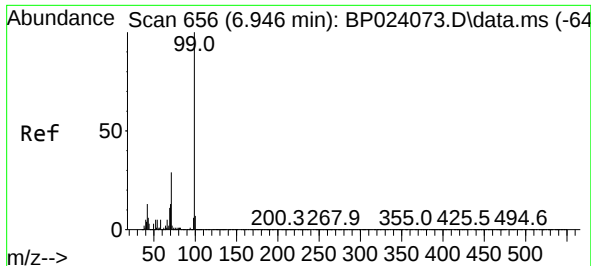
Tgt Ion:152 Resp: 450576
Ion Ratio Lower Upper
152 100
150 157.8 122.4 183.6
115 59.8 45.0 67.6



#5
2-Fluorophenol
Concen: 149.960 ng
RT: 5.375 min Scan# 389
Delta R.T. -0.030 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

Tgt Ion:112 Resp: 4330315
Ion Ratio Lower Upper
112 100
64 50.6 39.6 59.4
63 25.3 20.3 30.5

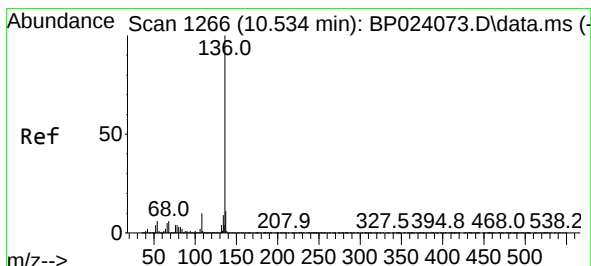
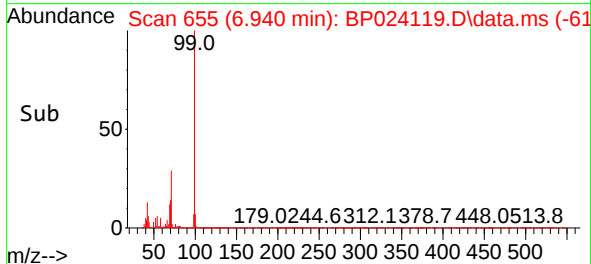
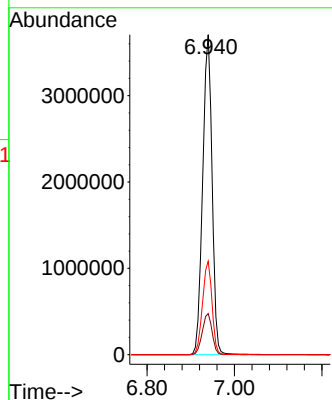
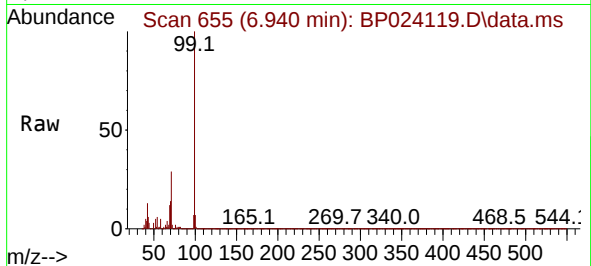




#7
Phenol-d6
Concen: 149.941 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.036 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

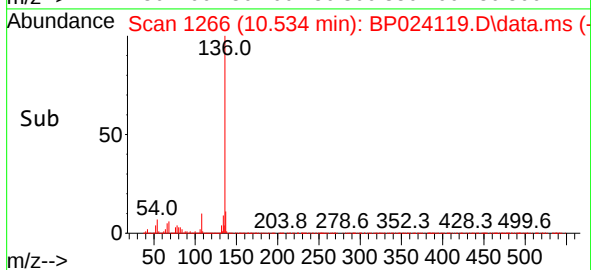
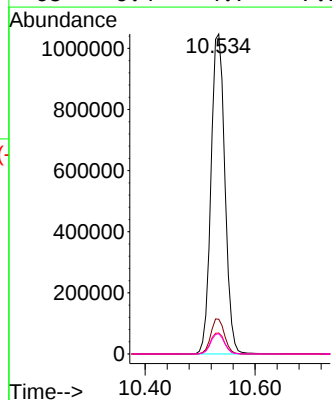
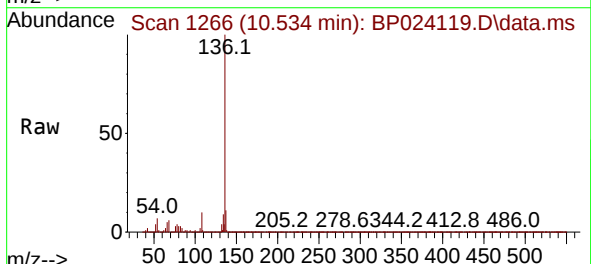
Instrument :
BNA_P
ClientSampleId :
PB166894TB

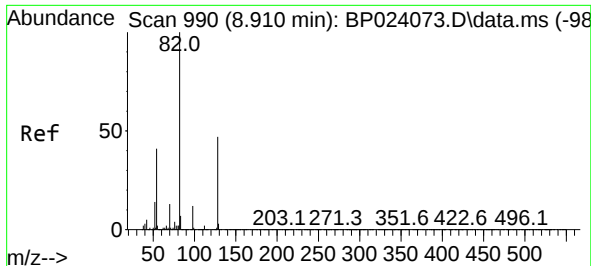
Tgt Ion: 99 Resp: 5564890
Ion Ratio Lower Upper
99 100
42 12.9 10.3 15.5
71 29.2 22.9 34.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. -0.030 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

Tgt Ion:136 Resp: 1837373
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.6 4.9 7.3
68 6.4 4.7 7.1

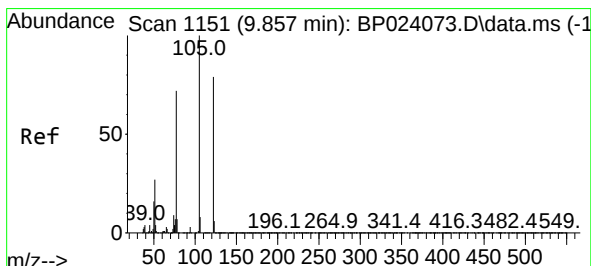
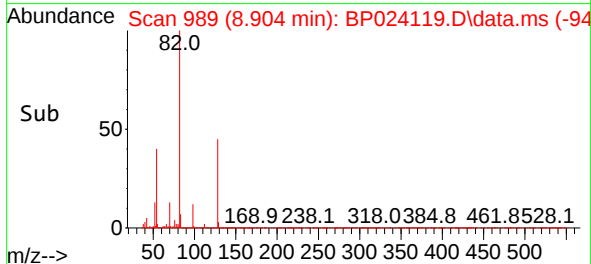
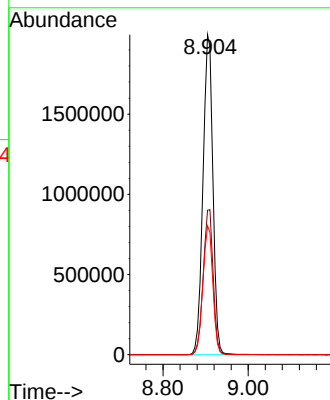
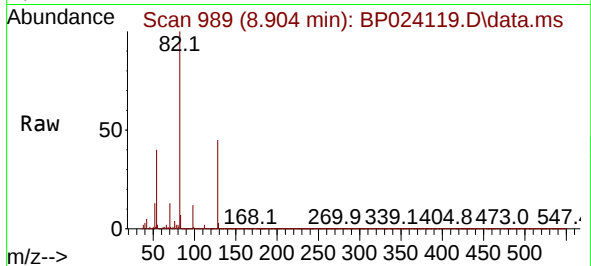




#23
Nitrobenzene-d5
Concen: 97.892 ng
RT: 8.904 min Scan# 91
Delta R.T. -0.036 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

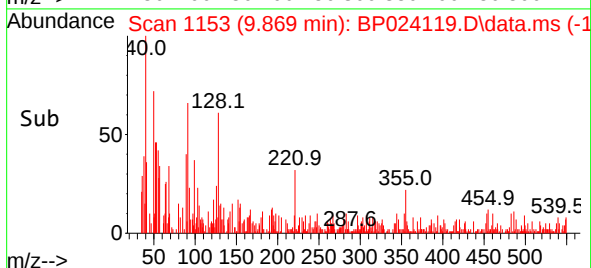
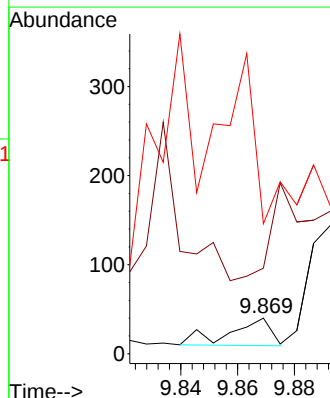
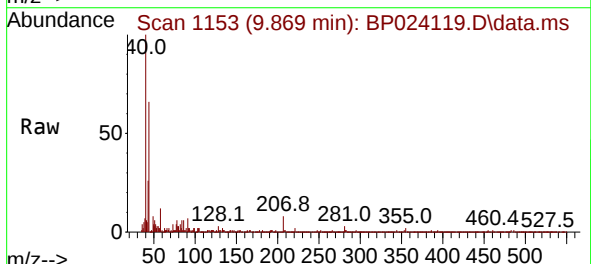
Instrument :
BNA_P
ClientSampleId :
PB166894TB

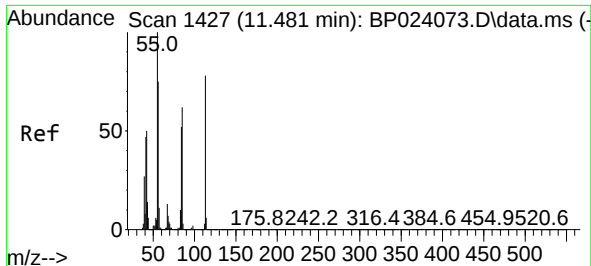
Tgt Ion: 82 Resp: 3223998
Ion Ratio Lower Upper
82 100
128 45.1 37.4 56.2
54 40.2 32.4 48.6



#32
Benzoic acid
Concen: 7.489 ng
RT: 9.869 min Scan# 1153
Delta R.T. -0.018 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

Tgt Ion: 122 Resp: 31
Ion Ratio Lower Upper
122 100
105 192.0 103.7 143.7#
77 292.0 69.9 109.9#

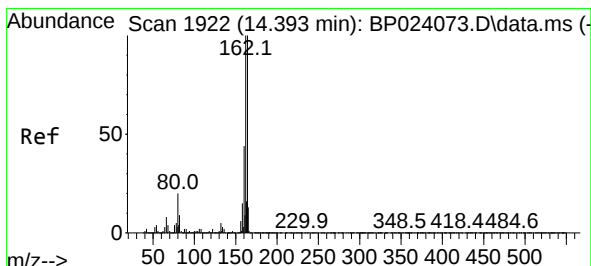
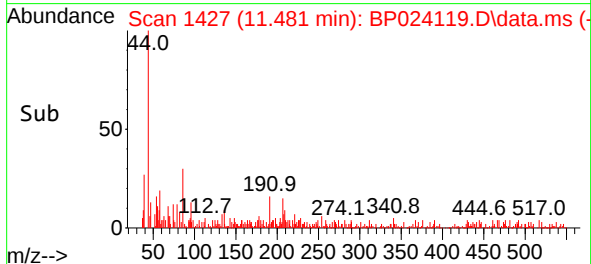
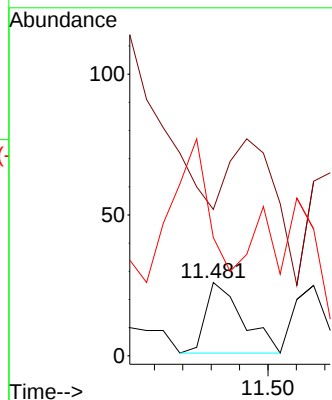
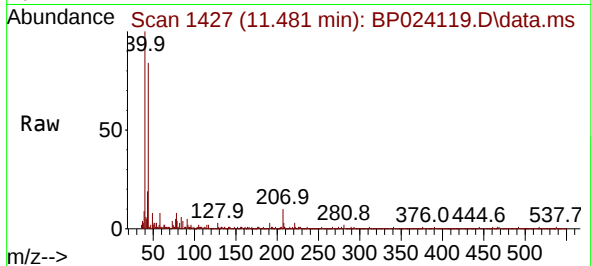




#35
Caprolactam
Concen: 5.576 ng
RT: 11.481 min Scan# 1427
Delta R.T. -0.030 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

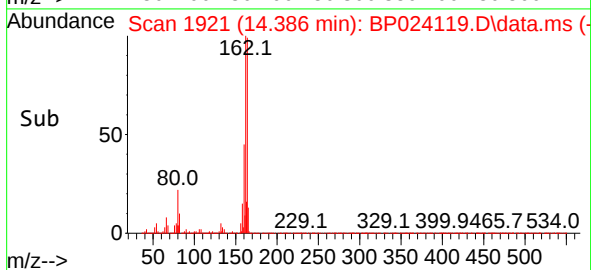
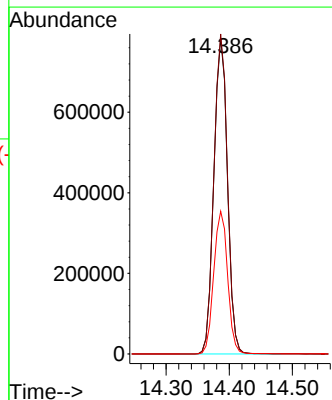
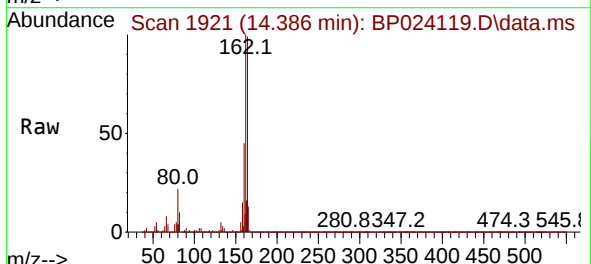
Instrument :
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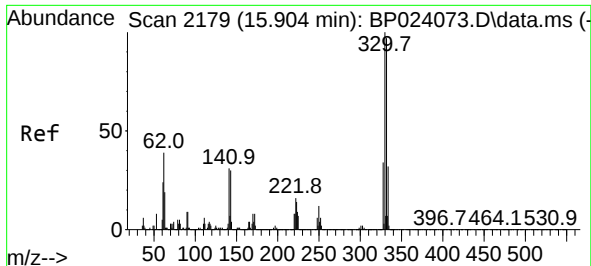
Tgt Ion:113 Resp: 23
Ion Ratio Lower Upper
113 100
55 200.0 108.8 148.8#
56 161.5 76.5 116.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.386 min Scan# 1921
Delta R.T. -0.036 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

Tgt Ion:164 Resp: 1172275
Ion Ratio Lower Upper
164 100
162 101.4 80.1 120.1
160 45.2 35.6 53.4

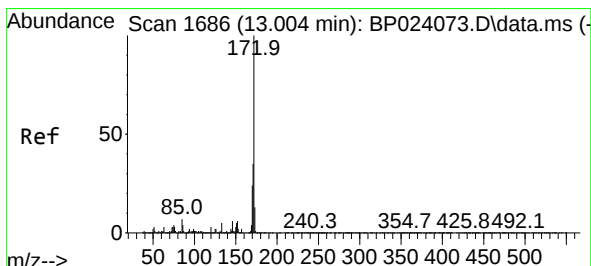
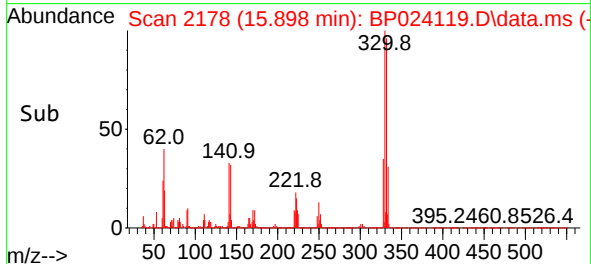
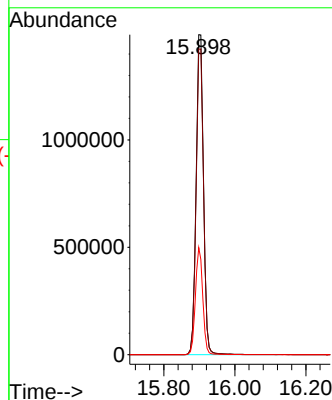
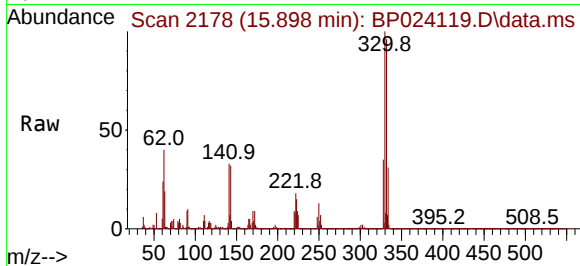




#42
2,4,6-Tribromophenol
Concen: 150.395 ng
RT: 15.898 min Scan# 2178
Delta R.T. -0.036 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

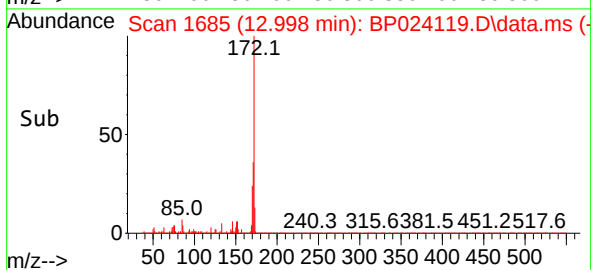
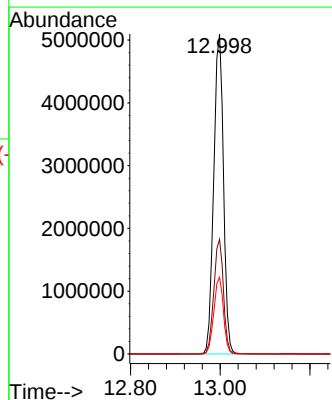
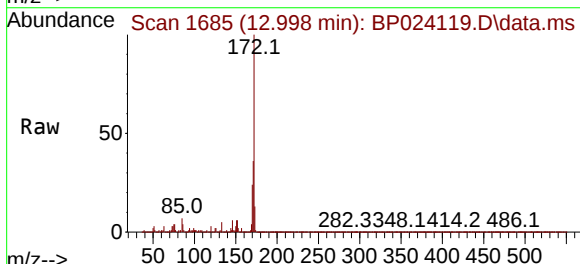
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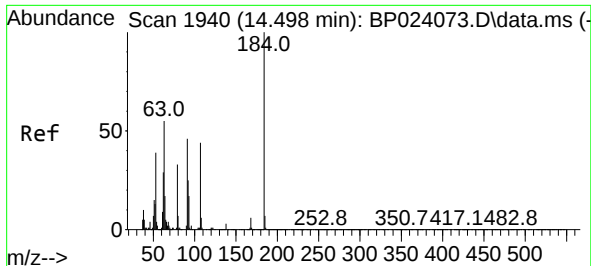
Tgt Ion:330 Resp: 2159531
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 33.2 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 91.524 ng
RT: 12.998 min Scan# 1685
Delta R.T. -0.036 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

Tgt Ion:172 Resp: 7674592
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.2
170 24.0 19.0 28.6

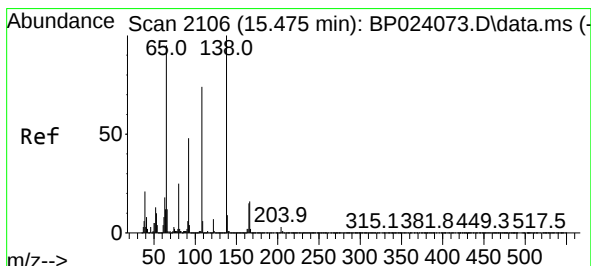
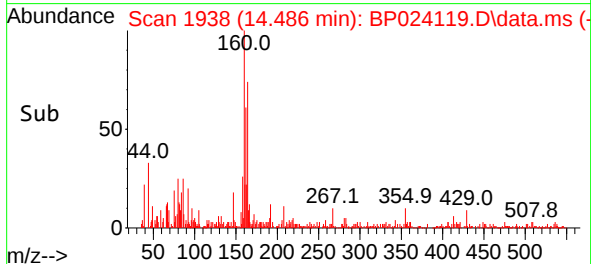
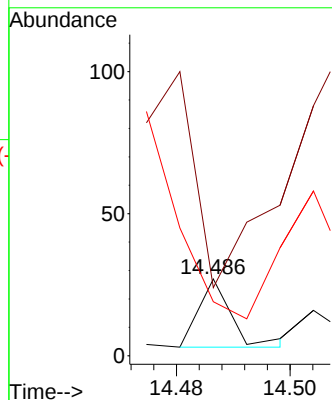
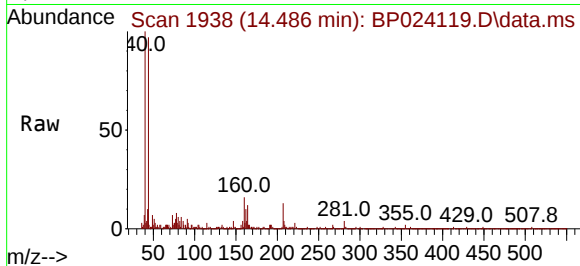




#54
2,4-Dinitrophenol
Concen: 7.780 ng
RT: 14.486 min Scan# 1938
Delta R.T. -0.042 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

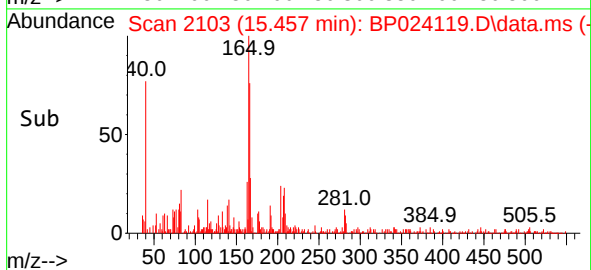
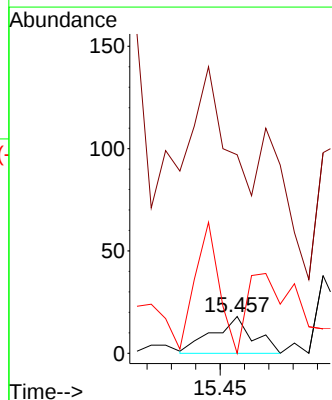
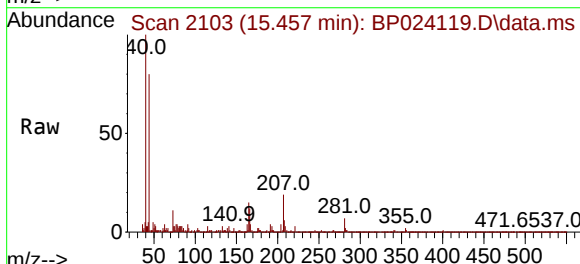
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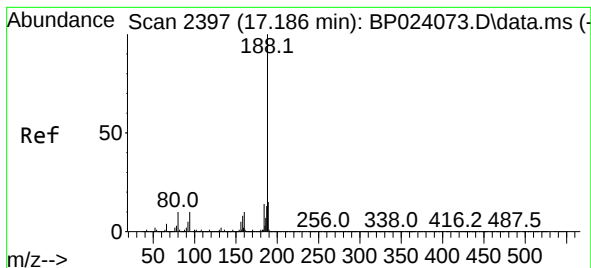
Tgt Ion:184 Resp: 10
Ion Ratio Lower Upper
184 100
63 88.9 49.4 74.0#
154 70.4 49.2 73.8



#62
4-Nitroaniline
Concen: 3.289 ng
RT: 15.457 min Scan# 2103
Delta R.T. -0.048 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

Tgt Ion:138 Resp: 21
Ion Ratio Lower Upper
138 100
92 538.9 28.3 68.3#
108 0.0 54.0 94.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.180 min Scan# 2113

Delta R.T. -0.036 min

Lab File: BP024119.D

Acq: 27 Feb 2025 13:41

Instrument :

BNA_P

ClientSampleId :

PB166894TB

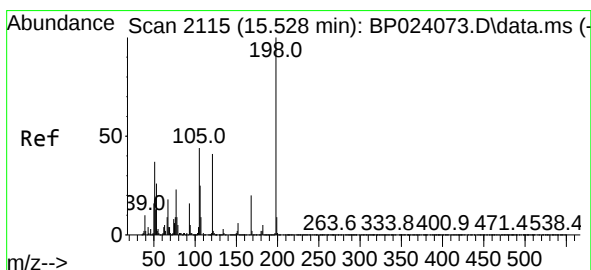
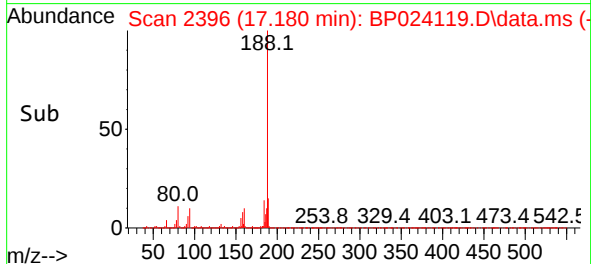
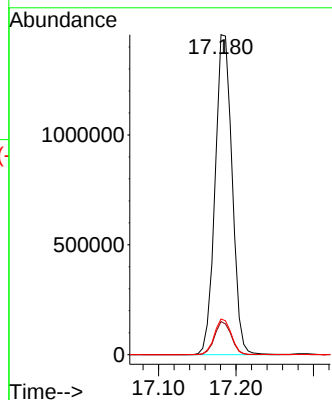
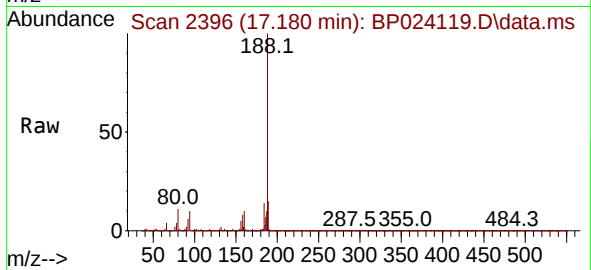
Tgt Ion:188 Resp: 2221248

Ion Ratio Lower Upper

188 100

94 10.3 7.6 11.4

80 11.1 8.2 12.2



#65

4,6-Dinitro-2-methylphenol

Concen: 6.010 ng

RT: 15.516 min Scan# 2113

Delta R.T. -0.042 min

Lab File: BP024119.D

Acq: 27 Feb 2025 13:41

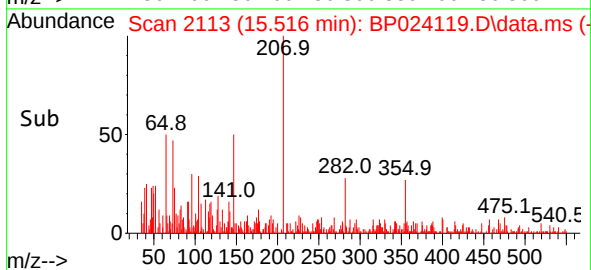
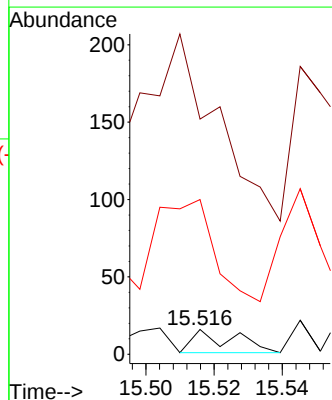
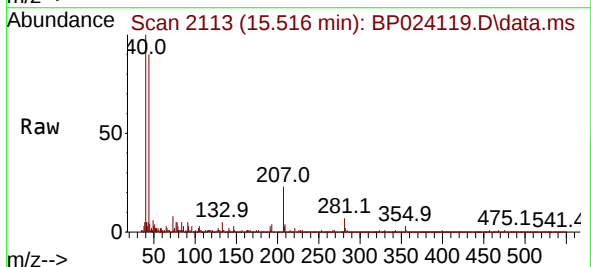
Tgt Ion:198 Resp: 13

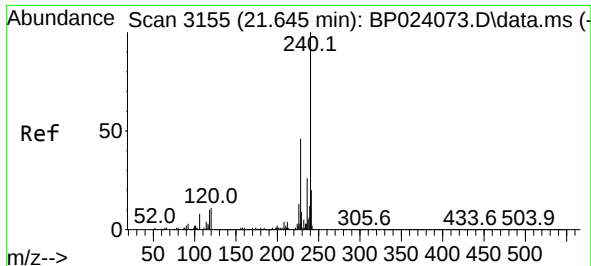
Ion Ratio Lower Upper

198 100

51 950.0 18.7 58.7#

105 625.0 24.7 64.7#

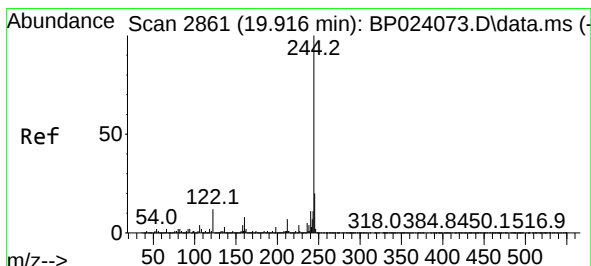
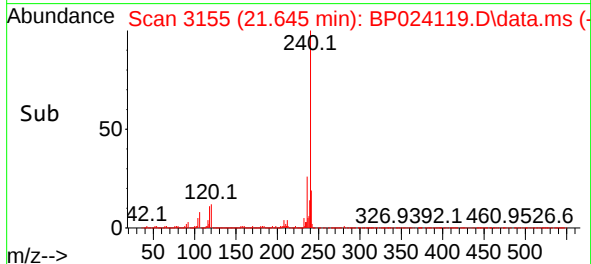
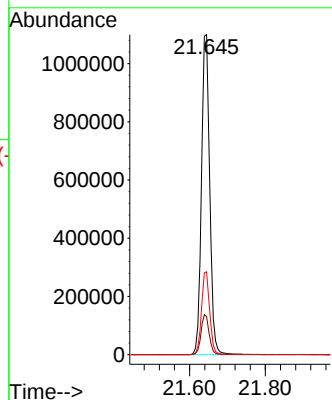
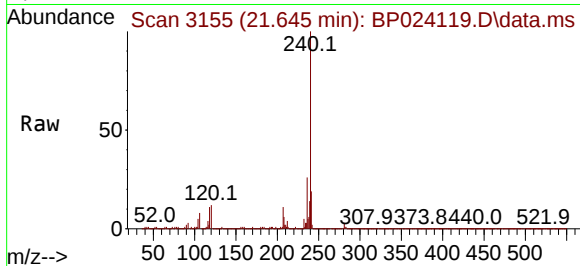




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. -0.030 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

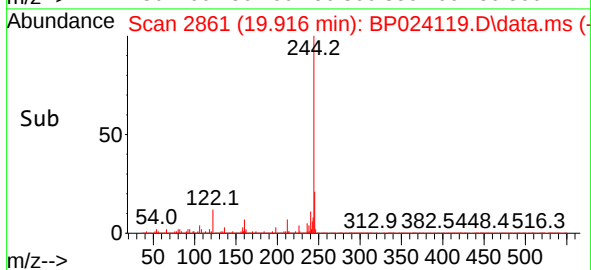
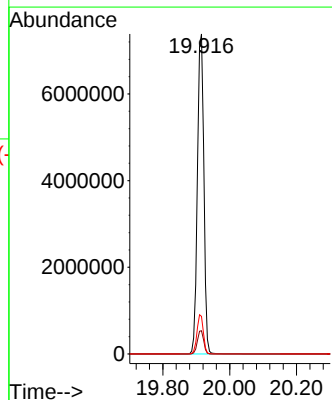
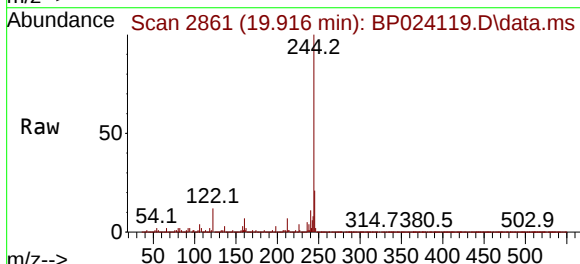
Instrument :
BNA_P
ClientSampleId :
PB166894TB

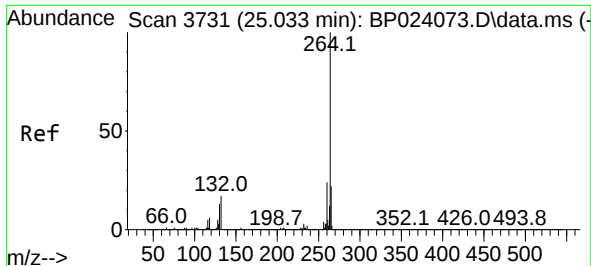
Tgt Ion:240 Resp: 1680654
Ion Ratio Lower Upper
240 100
120 12.0 8.9 13.3
236 25.9 20.7 31.1



#79
Terphenyl-d14
Concen: 116.444 ng
RT: 19.916 min Scan# 2861
Delta R.T. -0.030 min
Lab File: BP024119.D
Acq: 27 Feb 2025 13:41

Tgt Ion:244 Resp: 9890167
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 11.7 9.4 14.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.027 min Scan# 31
 Delta R.T. -0.036 min
 Lab File: BP024119.D
 Acq: 27 Feb 2025 13:41

Instrument :
 BNA_P
 ClientSampleId :
 PB166894TB

Tgt Ion:264 Resp: 1598178
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 22.1 17.8 26.8

