

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042325\
 Data File : BP024405.D
 Acq On : 23 Apr 2025 20:59
 Operator : RC/JU
 Sample : Q1855-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 2001-2002

Quant Time: Apr 24 02:41:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

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

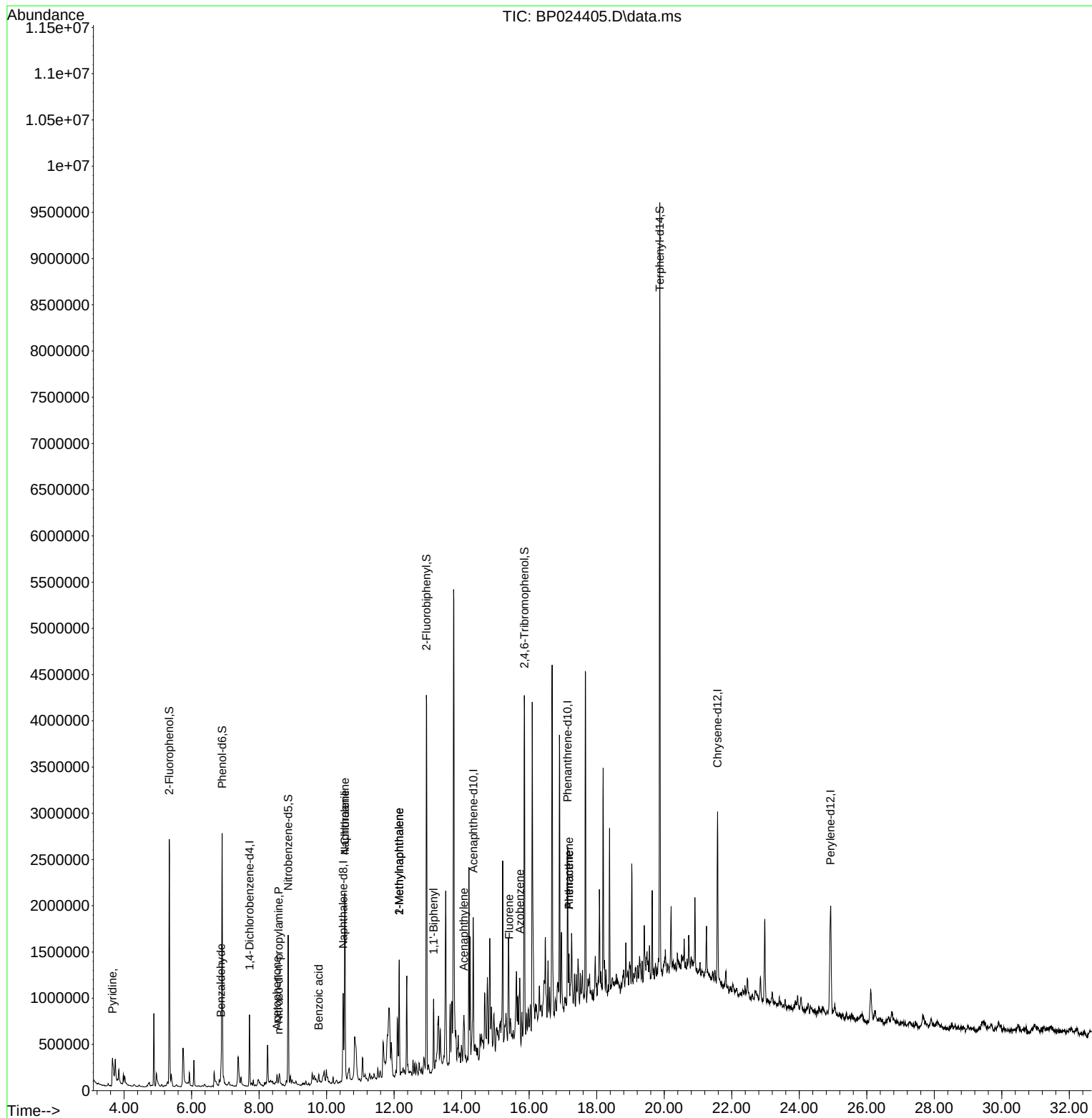
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	204154	20.000	ng	0.00
21) Naphthalene-d8	10.493	136	831878	20.000	ng	0.00
39) Acenaphthene-d10	14.346	164	498593	20.000	ng	0.00
64) Phenanthrene-d10	17.140	188	980011	20.000	ng	0.00
76) Chrysene-d12	21.580	240	1129665	20.000	ng	-0.01
86) Perylene-d12	24.927	264	1373943	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1194790	96.767	ng	0.00
7) Phenol-d6	6.905	99	1554262	91.932	ng	0.00
23) Nitrobenzene-d5	8.863	82	956417	65.558	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	776200	112.520	ng	0.00
45) 2-Fluorobiphenyl	12.957	172	2221594	68.222	ng	0.00
79) Terphenyl-d14	19.869	244	3785146	67.538	ng	0.00
Target Compounds						Qvalue
3) Pyridine	3.658	79	245503	17.802	ng	# 42
9) Benzaldehyde	6.875	77	83531	9.988	ng	92
19) n-Nitroso-di-n-propyla...	8.581	70	37798	3.614	ng	# 55
22) Acetophenone	8.528	105	75323	3.658	ng	95
31) Naphthalene	10.546	128	1649954	37.653	ng	99
32) Benzoic acid	9.769	122	44124	4.270	ng	95
33) 4-Chloroaniline	10.546	127	216215	14.011	ng	# 35
37) 2-Methylnaphthalene	12.152	142	556975	18.327	ng	98
38) 1-Methylnaphthalene	12.152	142	556975	18.734	ng	97
46) 1,1'-Biphenyl	13.169	154	94879	2.589	ng	99
49) Acenaphthylene	14.069	152	89453	2.074	ng	# 83
58) Fluorene	15.404	166	90655	2.620	ng	# 97
63) Azobenzene	15.722	77	89038	2.593	ng	# 2
71) Phenanthrene	17.181	178	265220	4.961	ng	99
72) Anthracene	17.181	178	265220	5.147	ng	98

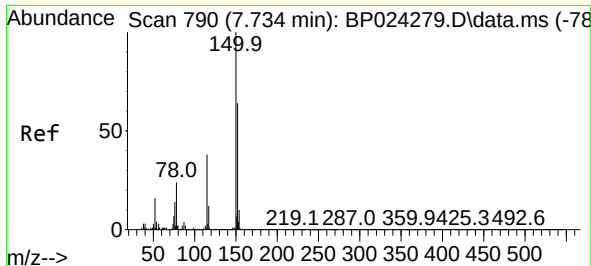
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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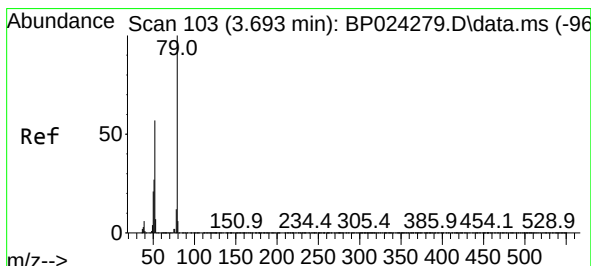
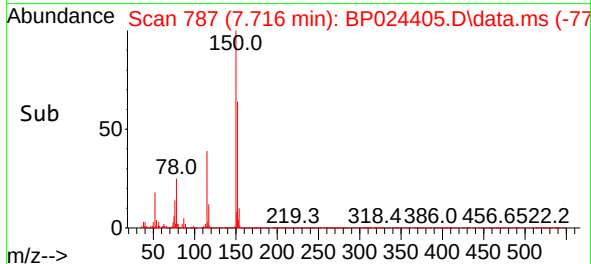
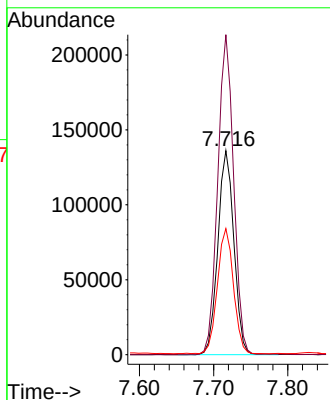
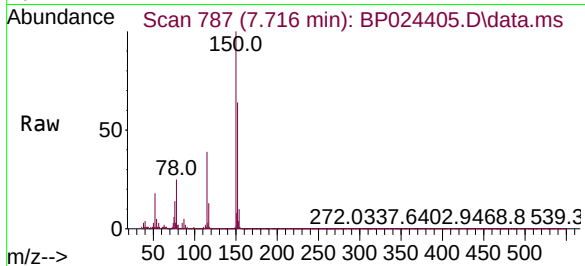




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

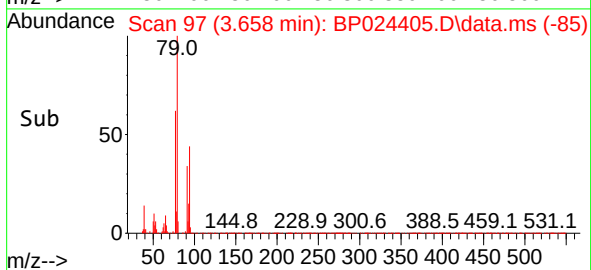
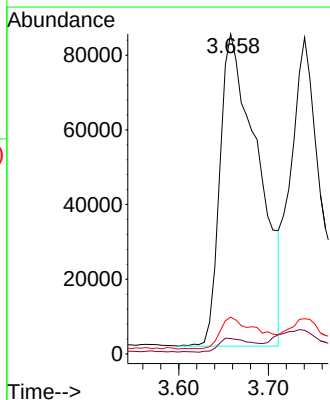
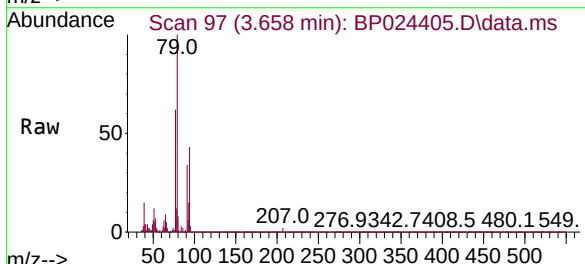
Instrument :
BNA_P
ClientSampleId :
2001-2002

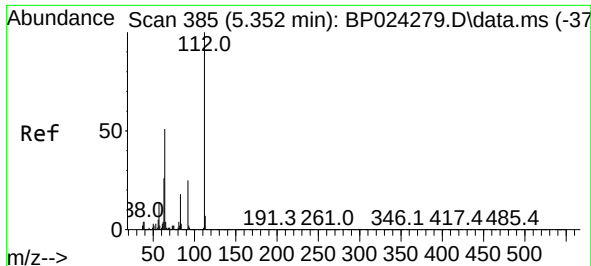
Tgt Ion:152 Resp: 204154
Ion Ratio Lower Upper
152 100
150 156.8 124.9 187.3
115 61.8 47.7 71.5



#3
Pyridine
Concen: 17.802 ng
RT: 3.658 min Scan# 97
Delta R.T. -0.029 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Tgt Ion: 79 Resp: 245503
Ion Ratio Lower Upper
79 100
52 4.8 45.4 68.2#
51 11.5 22.6 33.8#

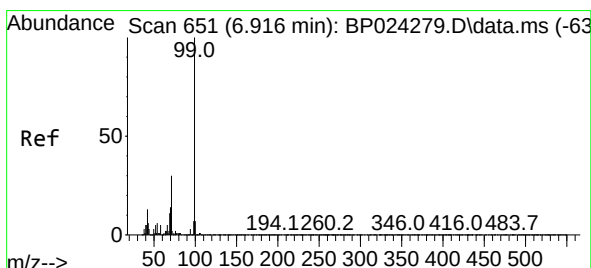
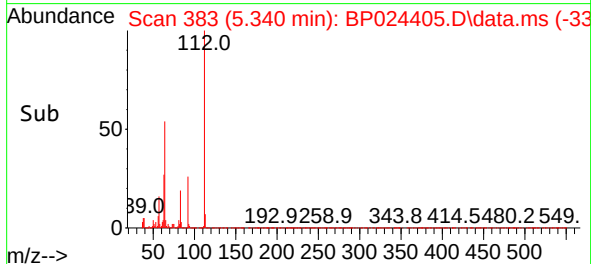
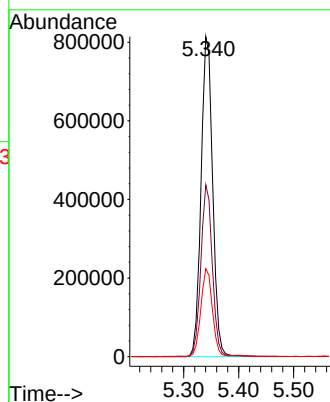
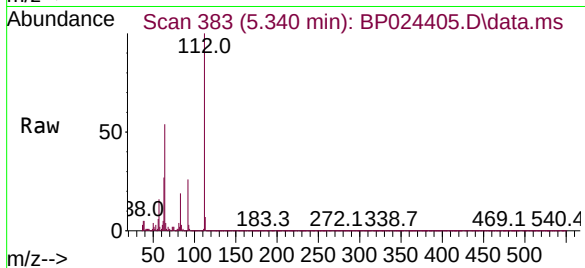




#5
2-Fluorophenol
Concen: 96.767 ng
RT: 5.340 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

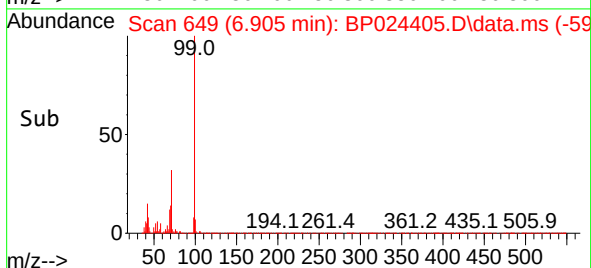
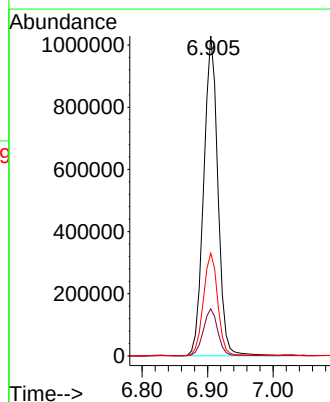
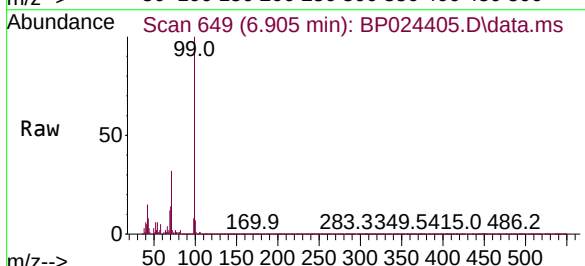
Instrument :
BNA_P
ClientSampleId :
2001-2002

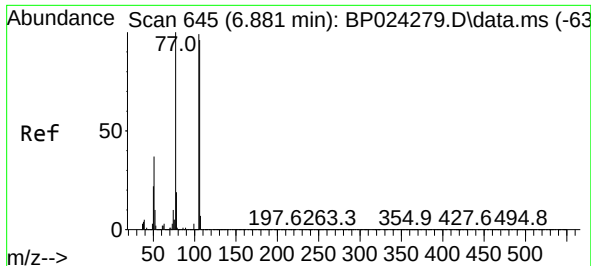
Tgt Ion:112 Resp: 1194790
Ion Ratio Lower Upper
112 100
64 53.7 41.1 61.7
63 27.5 20.6 30.8



#7
Phenol-d6
Concen: 91.932 ng
RT: 6.905 min Scan# 649
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Tgt Ion: 99 Resp: 1554262
Ion Ratio Lower Upper
99 100
42 14.8 10.6 16.0
71 32.1 23.7 35.5

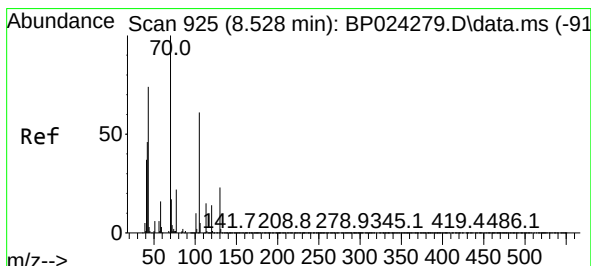
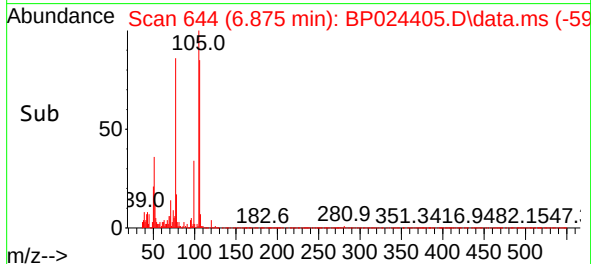
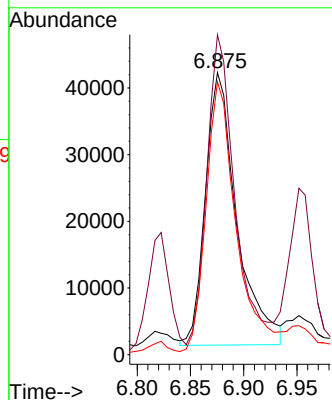
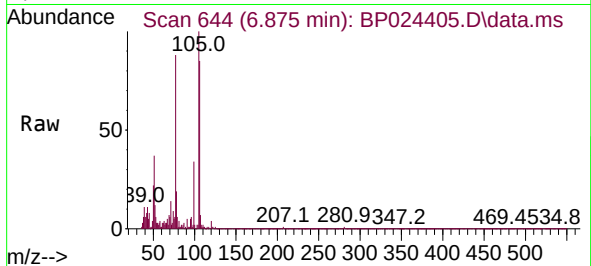




#9
Benzaldehyde
Concen: 9.988 ng
RT: 6.875 min Scan# 645
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

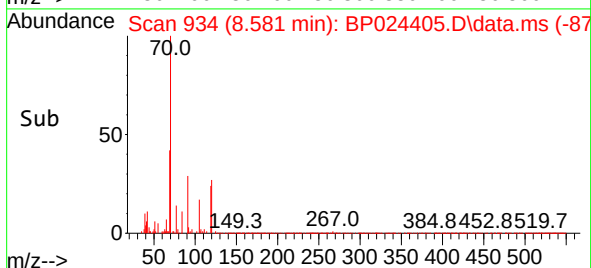
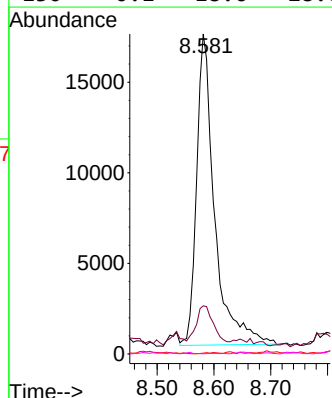
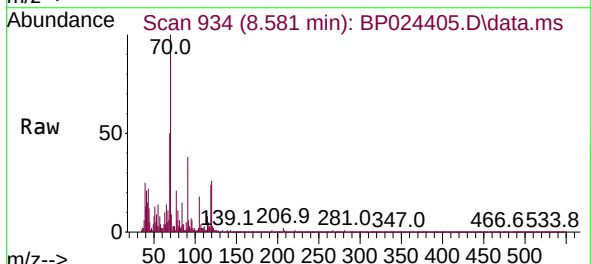
Instrument :
BNA_P
ClientSampleId :
2001-2002

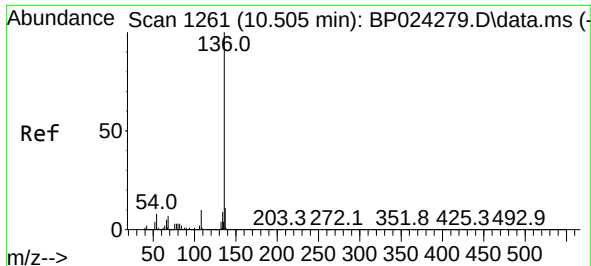
Tgt Ion: 77 Resp: 83531
Ion Ratio Lower Upper
77 100
105 113.5 79.2 119.2
106 96.7 76.2 116.2



#19
n-Nitroso-di-n-propylamine
Concen: 3.614 ng
RT: 8.581 min Scan# 934
Delta R.T. 0.059 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Tgt Ion: 70 Resp: 37798
Ion Ratio Lower Upper
70 100
42 15.1 37.3 55.9#
101 0.3 8.2 12.4#
130 0.1 18.6 28.0#

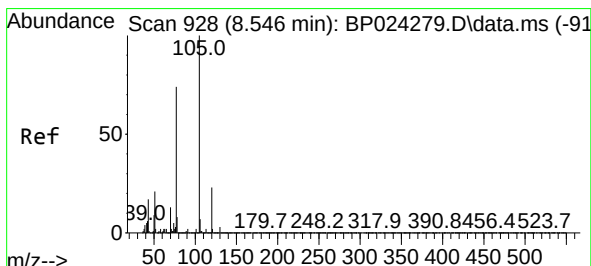
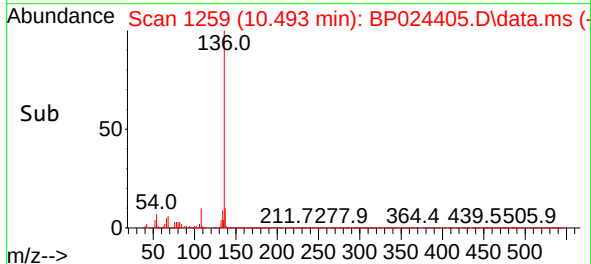
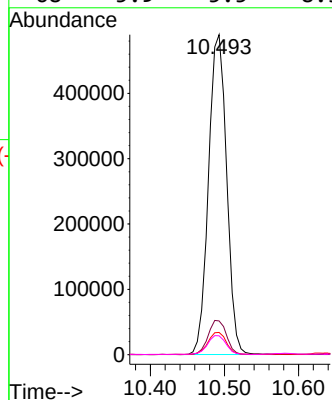
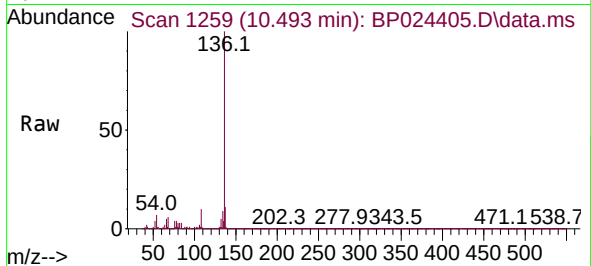




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.493 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

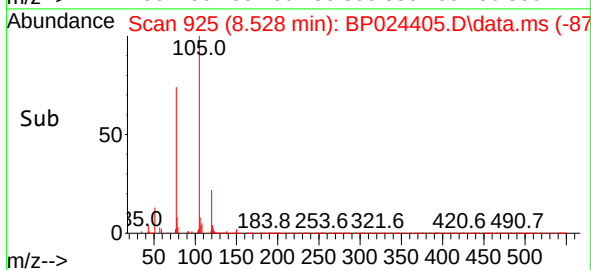
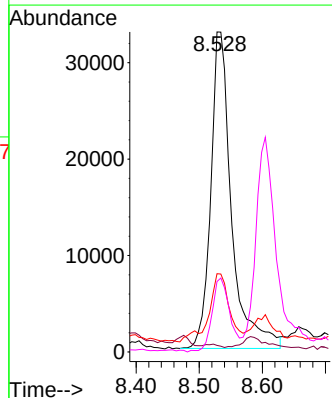
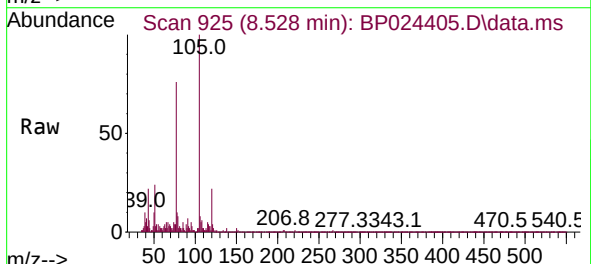
Instrument :
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ClientSampleId :
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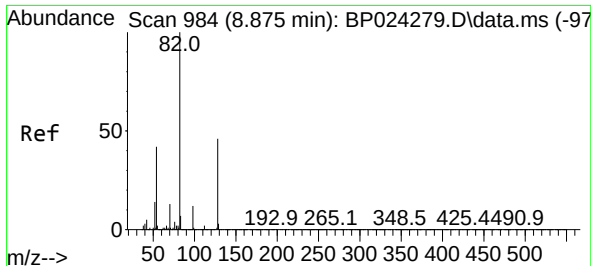
Tgt Ion:	136	Resp:	831878
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.0	6.0	9.0
68	5.9	5.5	8.3



#22
Acetophenone
Concen: 3.658 ng
RT: 8.528 min Scan# 925
Delta R.T. -0.012 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Tgt Ion:	105	Resp:	75323
Ion	Ratio	Lower	Upper
105	100		
71	2.0	1.7	2.5
51	24.5	16.9	25.3
120	22.0	18.6	28.0

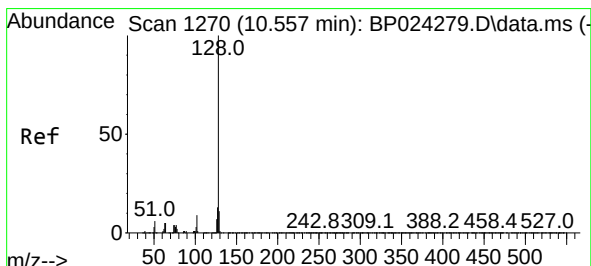
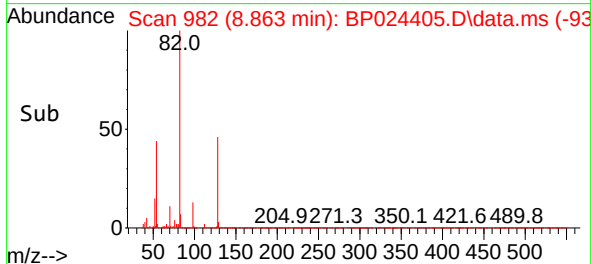
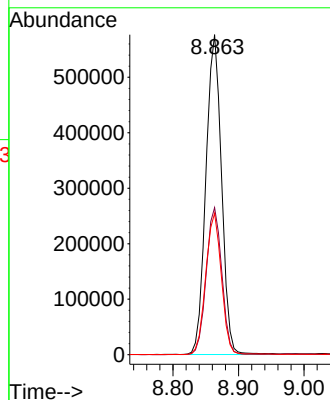
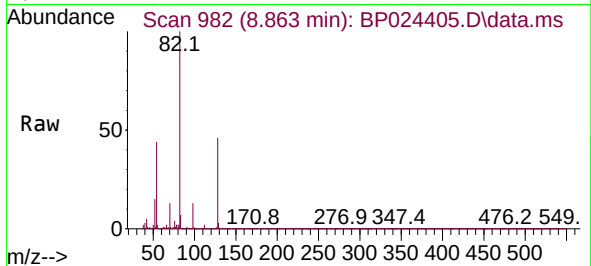




#23
Nitrobenzene-d5
Concen: 65.558 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

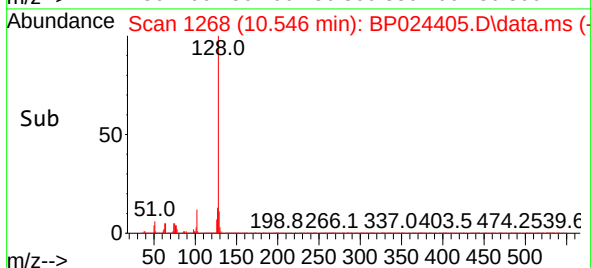
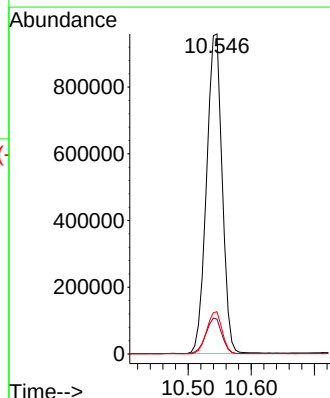
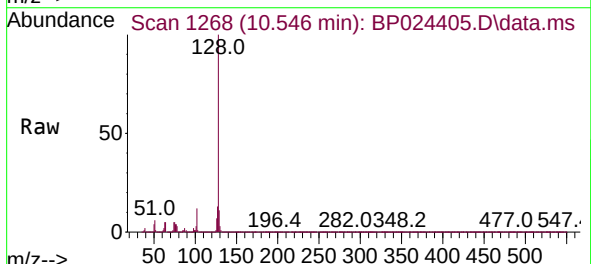
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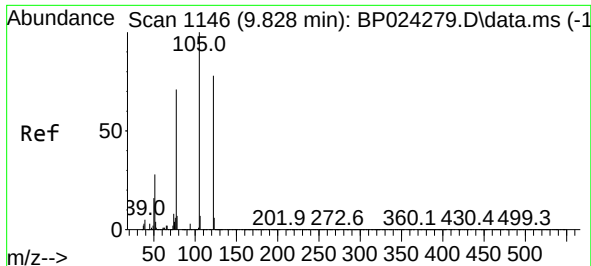
Tgt Ion: 82 Resp: 956417
Ion Ratio Lower Upper
82 100
128 46.0 36.5 54.7
54 44.2 33.4 50.2



#31
Naphthalene
Concen: 37.653 ng
RT: 10.546 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Tgt Ion: 128 Resp: 1649954
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.2 10.3 15.5

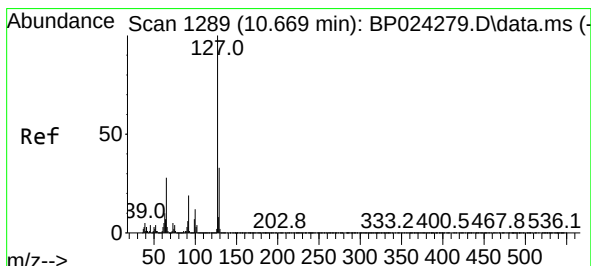
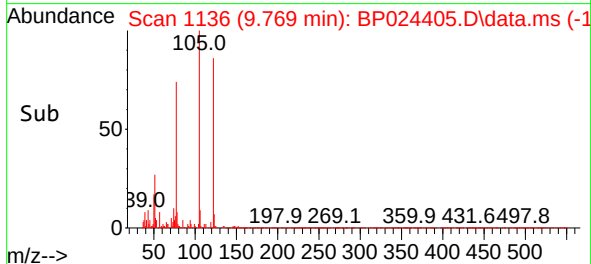
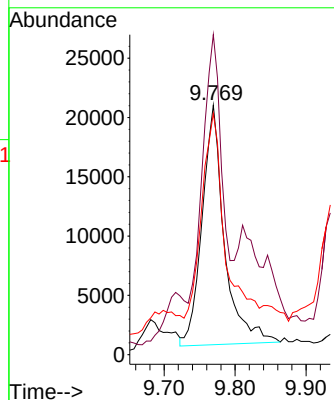
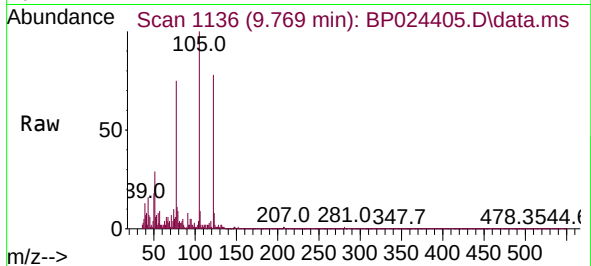




#32
Benzoic acid
Concen: 4.270 ng
RT: 9.769 min Scan# 1146
Delta R.T. -0.053 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

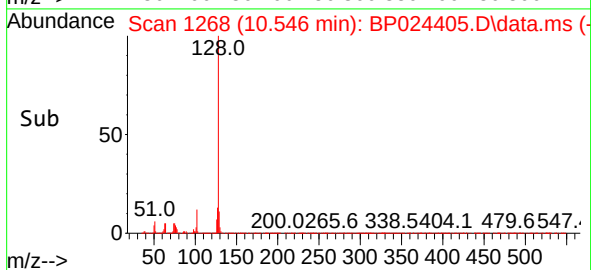
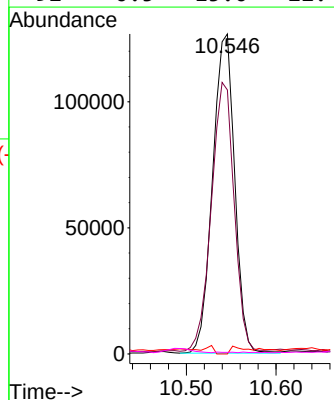
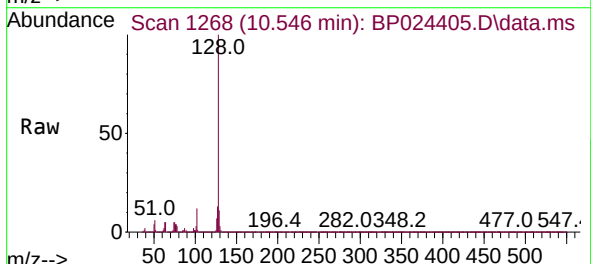
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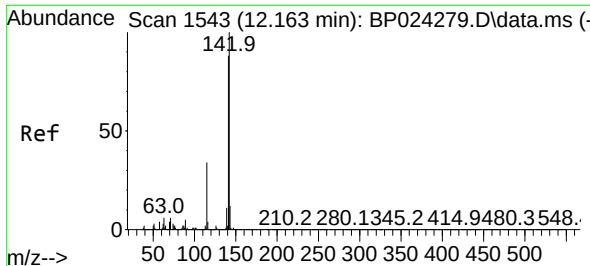
Tgt Ion:	122	Resp:	44124
Ion	Ratio	Lower	Upper
122	100		
105	128.3	104.8	144.8
77	96.8	69.2	109.2



#33
4-Chloroaniline
Concen: 14.011 ng
RT: 10.546 min Scan# 1268
Delta R.T. -0.117 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Tgt Ion:	127	Resp:	216215
Ion	Ratio	Lower	Upper
127	100		
129	82.5	26.1	39.1#
65	0.0	22.1	33.1#
92	0.5	15.0	22.4#

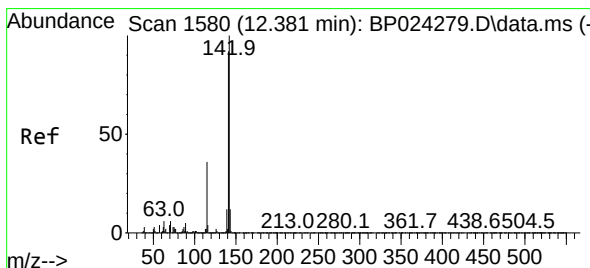
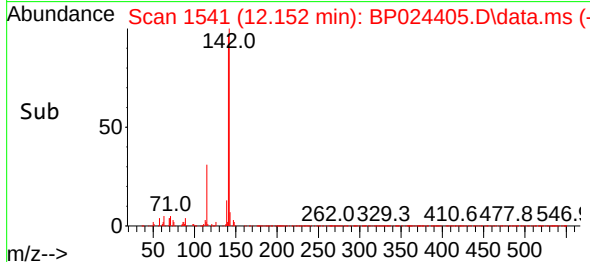
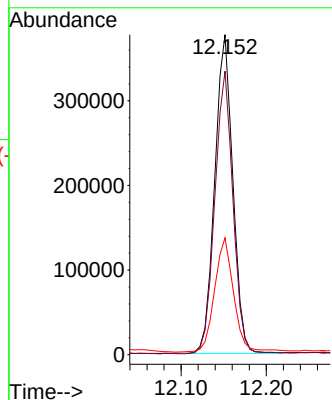
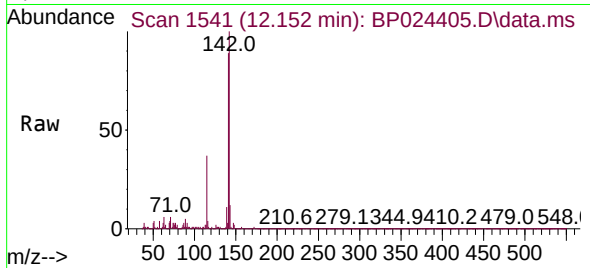




#37
2-Methylnaphthalene
Concen: 18.327 ng
RT: 12.152 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

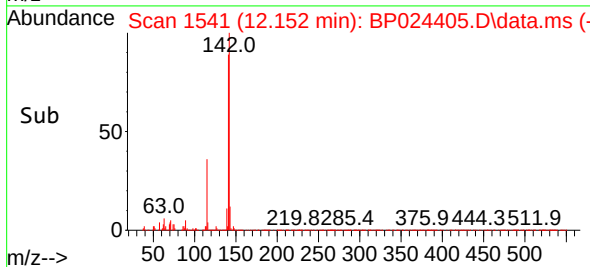
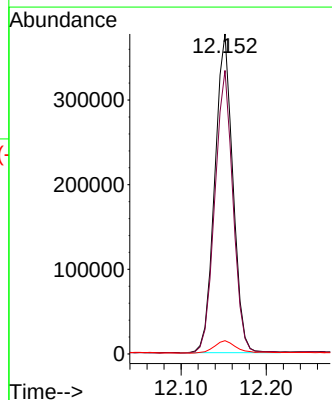
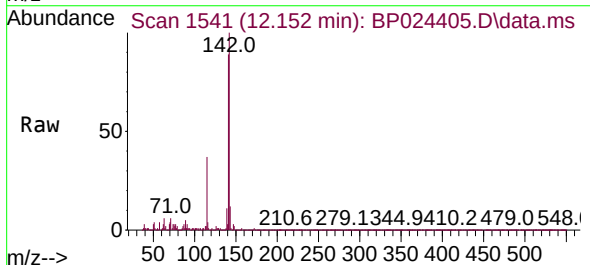
Instrument :
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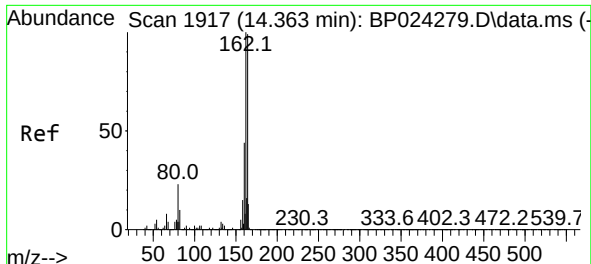
Tgt Ion:142 Resp: 556975
Ion Ratio Lower Upper
142 100
141 88.6 70.3 105.5
115 36.5 26.9 40.3



#38
1-Methylnaphthalene
Concen: 18.734 ng
RT: 12.152 min Scan# 1541
Delta R.T. -0.223 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Tgt Ion:142 Resp: 556975
Ion Ratio Lower Upper
142 100
141 88.6 73.6 110.4
116 4.1 3.0 4.6

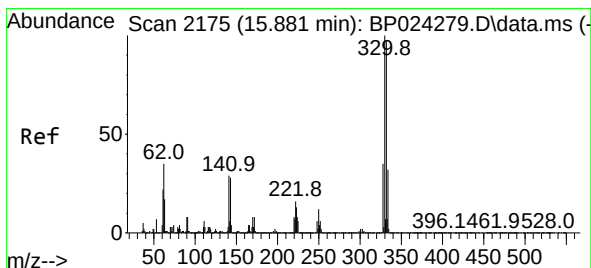
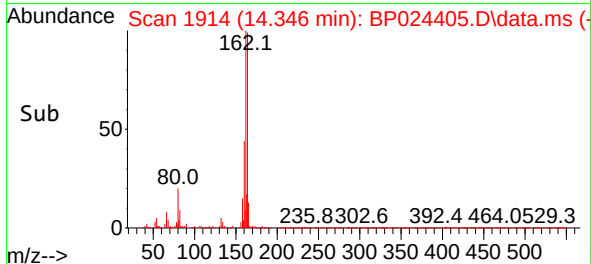
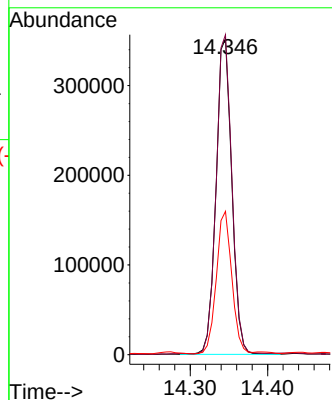
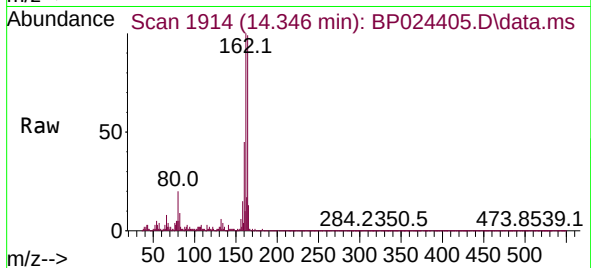




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.346 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

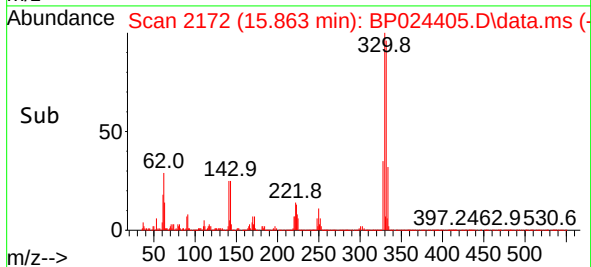
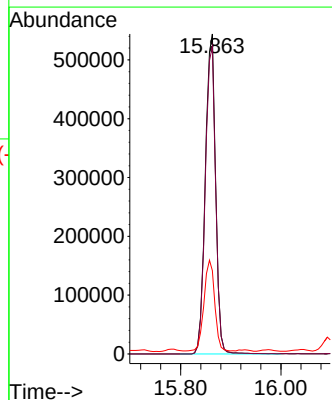
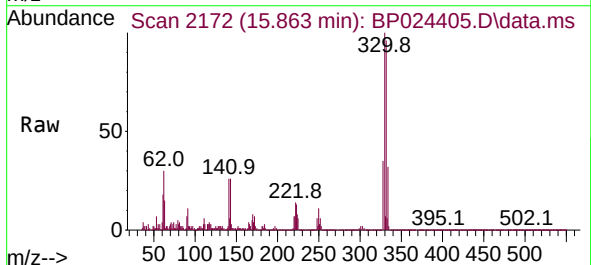
Instrument :
BNA_P
ClientSampleId :
2001-2002

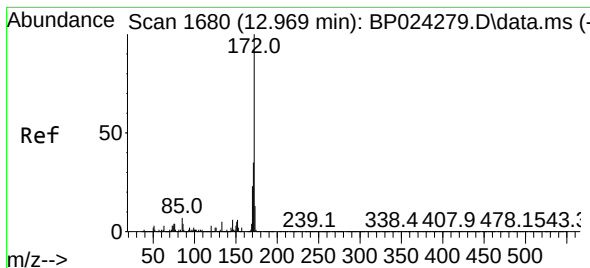
Tgt Ion:164 Resp: 498593
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 45.4 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 112.520 ng
RT: 15.863 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Tgt Ion:330 Resp: 776200
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 29.5 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 68.222 ng

RT: 12.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024405.D

Acq: 23 Apr 2025 20:59

Instrument :

BNA_P

ClientSampleId :

2001-2002

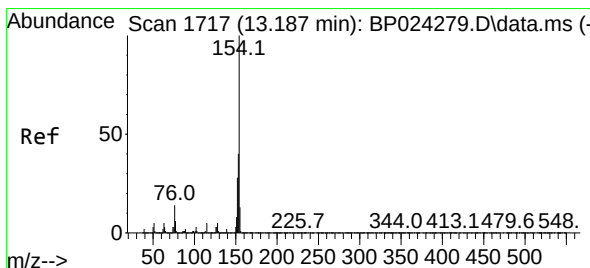
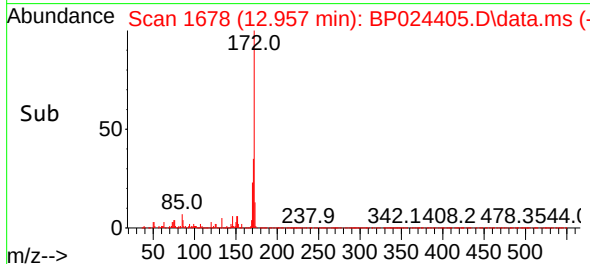
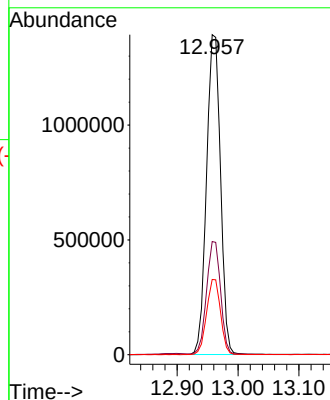
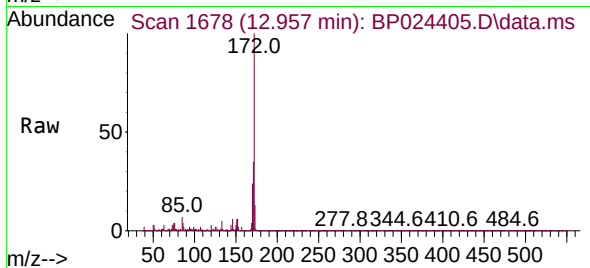
Tgt Ion:172 Resp: 2221594

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

170 23.5 18.6 27.8



#46

1,1'-Biphenyl

Concen: 2.589 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.006 min

Lab File: BP024405.D

Acq: 23 Apr 2025 20:59

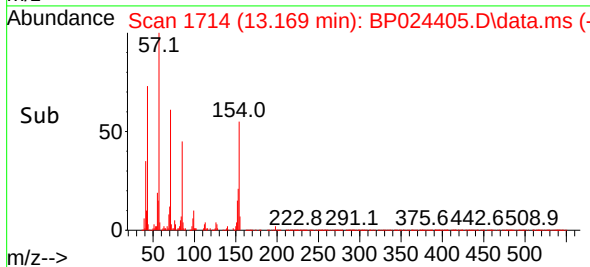
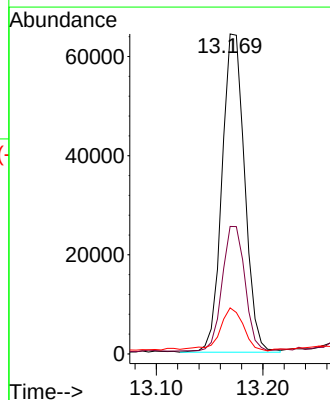
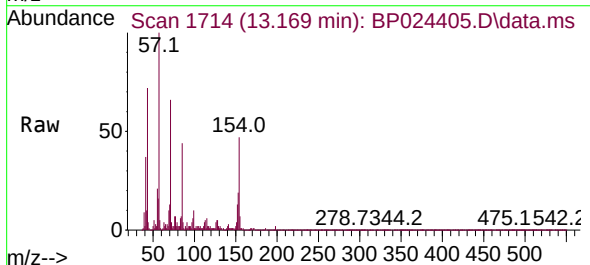
Tgt Ion:154 Resp: 94879

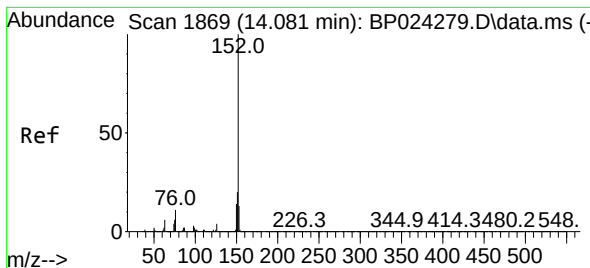
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 14.4 0.0 33.5





#49

Acenaphthylene

Concen: 2.074 ng

RT: 14.069 min Scan# 1867

Delta R.T. 0.000 min

Lab File: BP024405.D

Acq: 23 Apr 2025 20:59

Instrument :

BNA_P

ClientSampleId :

2001-2002

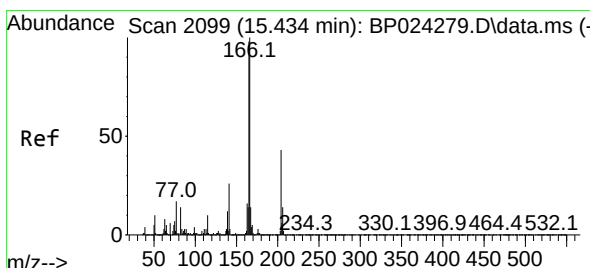
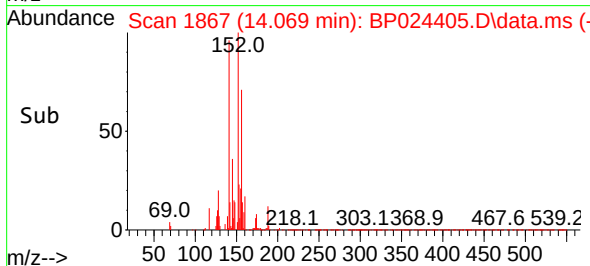
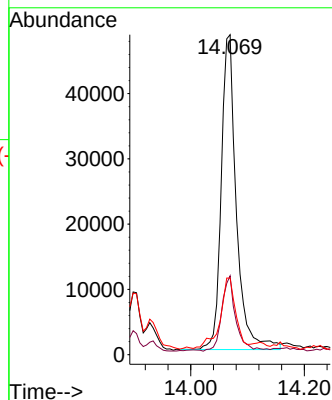
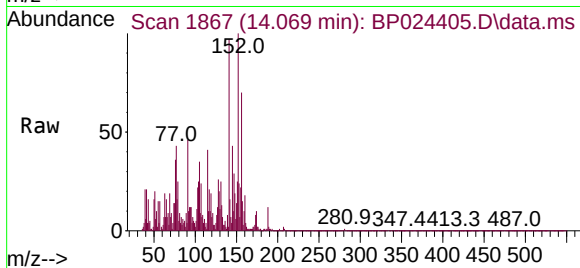
Tgt Ion:152 Resp: 89453

Ion Ratio Lower Upper

152 100

151 24.7 15.9 23.9#

153 23.9 10.6 15.8#



#58

Fluorene

Concen: 2.620 ng

RT: 15.404 min Scan# 2094

Delta R.T. -0.012 min

Lab File: BP024405.D

Acq: 23 Apr 2025 20:59

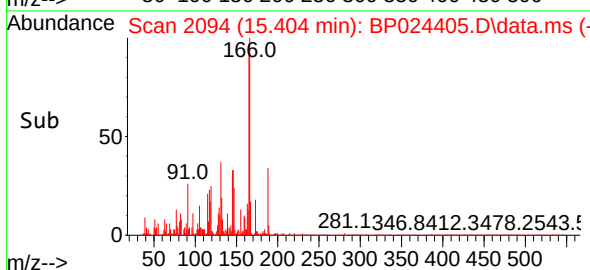
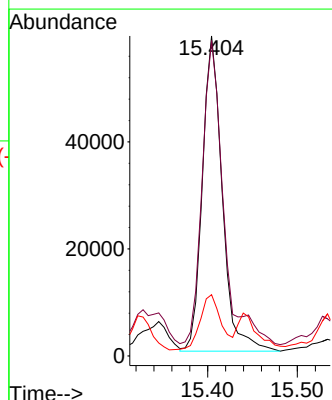
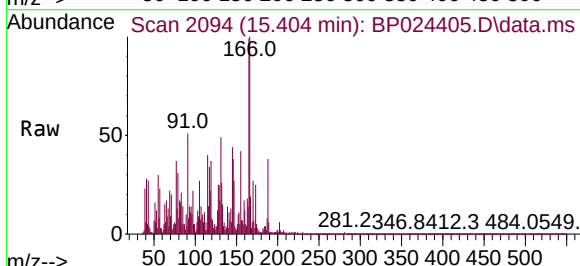
Tgt Ion:166 Resp: 90655

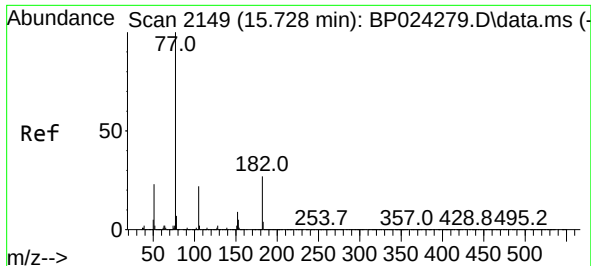
Ion Ratio Lower Upper

166 100

165 98.5 78.1 117.1

167 19.1 10.9 16.3#

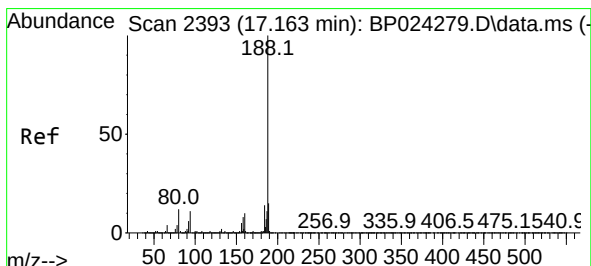
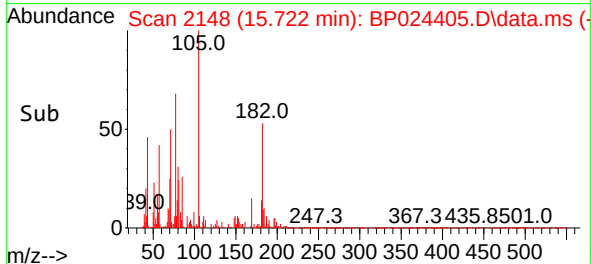
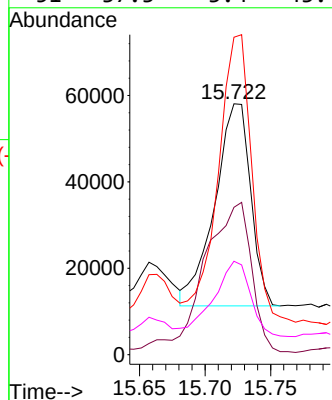
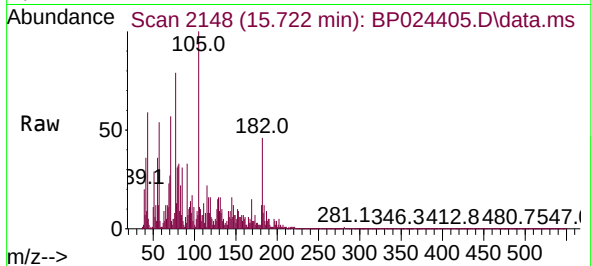




#63
Azobenzene
Concen: 2.593 ng
RT: 15.722 min Scan# 2149
Delta R.T. 0.012 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

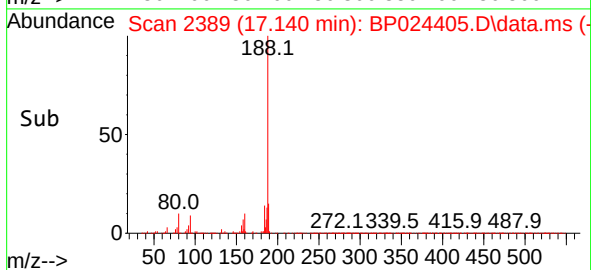
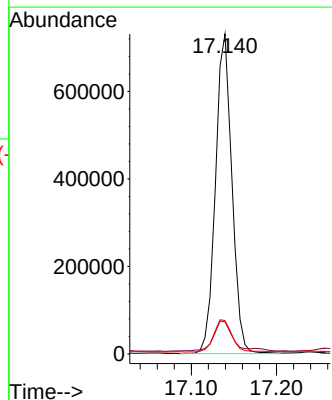
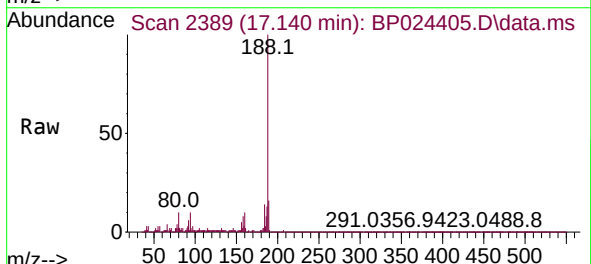
Instrument :
BNA_P
ClientSampleId :
2001-2002

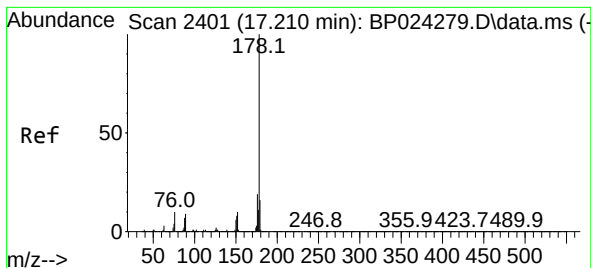
Tgt Ion: 77	Resp: 89038
Ion Ratio	Lower Upper
77 100	
182 58.7	7.3 47.3#
105 126.5	2.3 42.3#
51 37.3	3.4 43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.140 min Scan# 2389
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Tgt Ion: 188	Resp: 980011
Ion Ratio	Lower Upper
188 100	
94 10.0	8.6 13.0
80 10.5	9.8 14.6





#71

Phenanthrene

Concen: 4.961 ng

RT: 17.181 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024405.D

Acq: 23 Apr 2025 20:59

Instrument :

BNA_P

ClientSampleId :

2001-2002

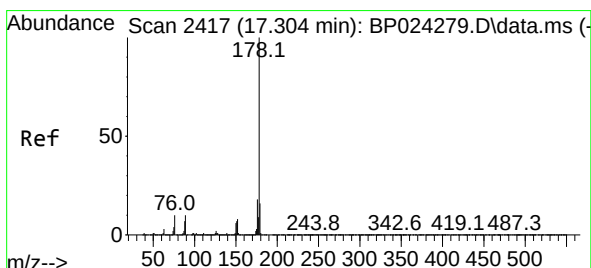
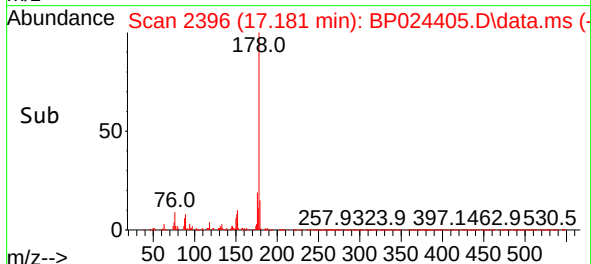
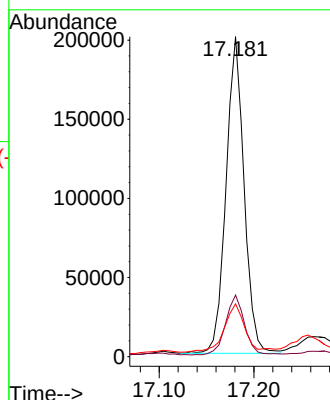
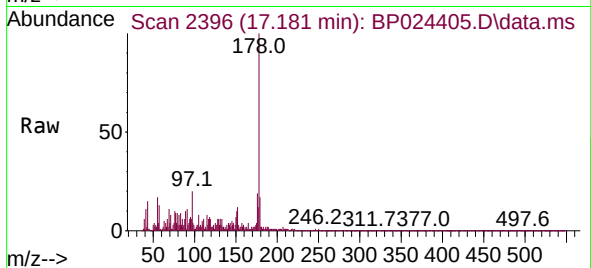
Tgt Ion:178 Resp: 265220

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 16.5 12.5 18.7



#72

Anthracene

Concen: 5.147 ng

RT: 17.181 min Scan# 2396

Delta R.T. -0.106 min

Lab File: BP024405.D

Acq: 23 Apr 2025 20:59

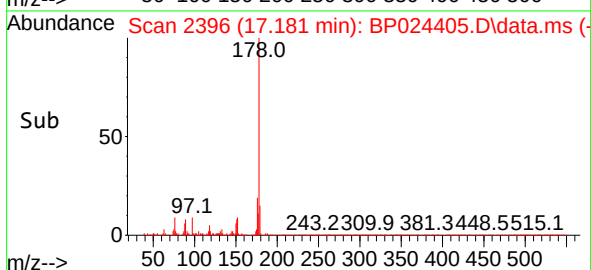
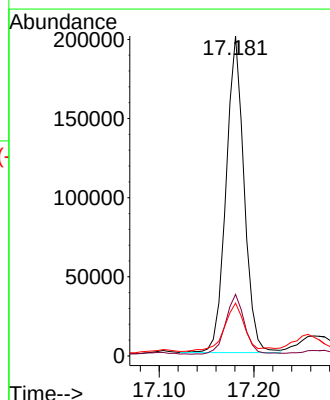
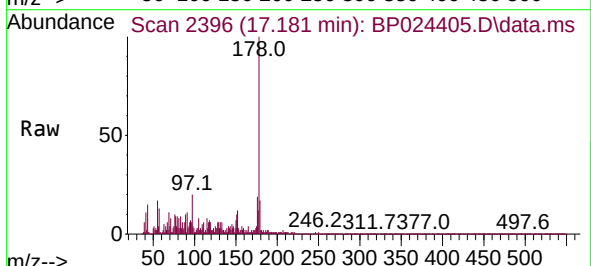
Tgt Ion:178 Resp: 265220

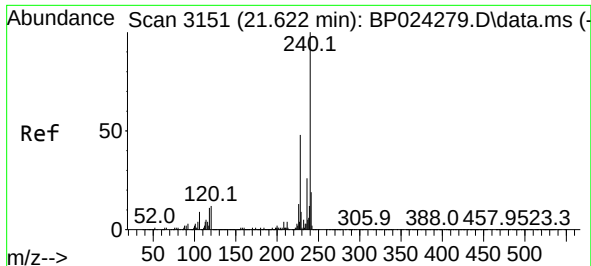
Ion Ratio Lower Upper

178 100

176 19.3 14.7 22.1

179 16.5 12.4 18.6

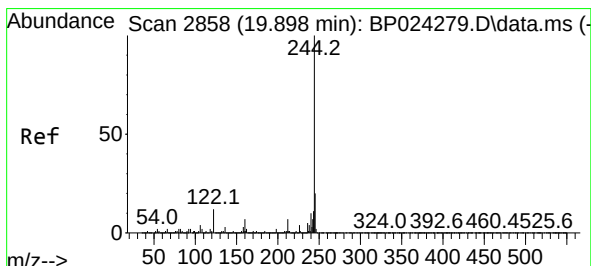
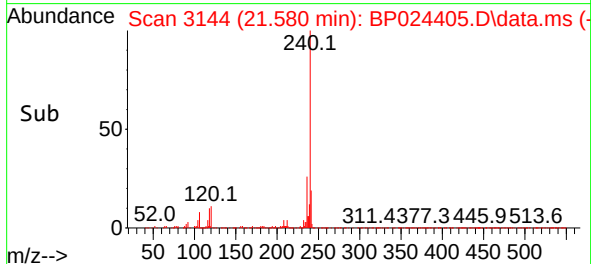
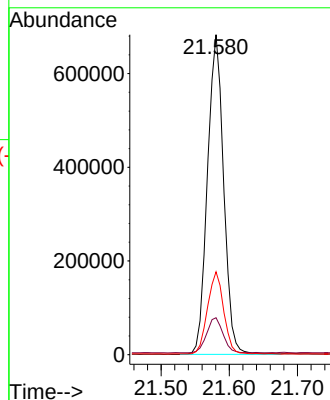
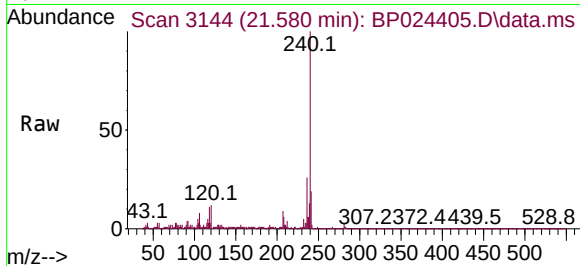




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

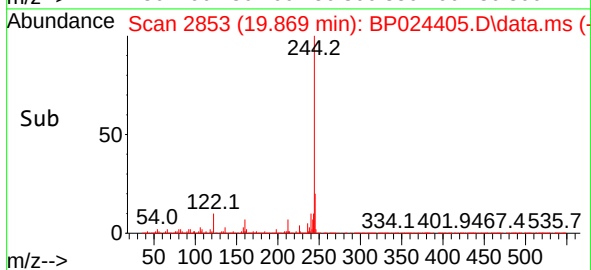
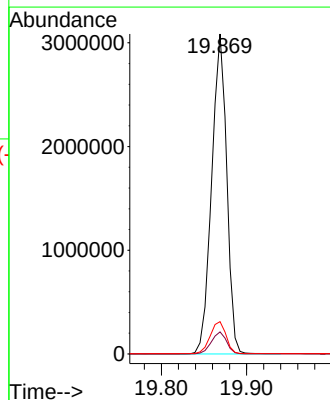
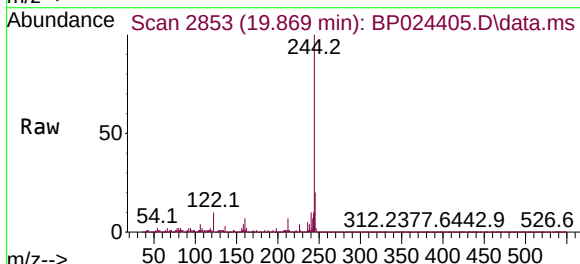
Instrument :
BNA_P
ClientSampleId :
2001-2002

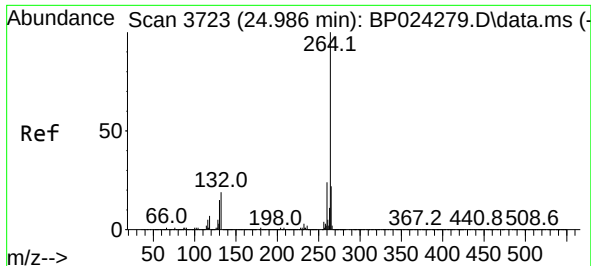
Tgt Ion:240 Resp: 1129665
Ion Ratio Lower Upper
240 100
120 11.5 9.8 14.8
236 25.9 20.9 31.3



#79
Terphenyl-d14
Concen: 67.538 ng
RT: 19.869 min Scan# 2853
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Tgt Ion:244 Resp: 3785146
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.1 9.4 14.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.927 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Instrument :
BNA_P
ClientSampleId :
2001-2002

Tgt Ion:264 Resp: 1373943
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 22.2 17.8 26.6

