

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

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/24/2025
 Supervised By :Jagrut Upadhyay 04/24/2025

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
9) Benzaldehyde	6.875	77	83531	9.988	ng	92
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
37) 2-Methylnaphthalene	12.152	142	556975	18.327	ng	98
38) 1-Methylnaphthalene	12.375	142	442309m	14.878	ng	
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
71) Phenanthrene	17.181	178	265220	4.961	ng	99

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

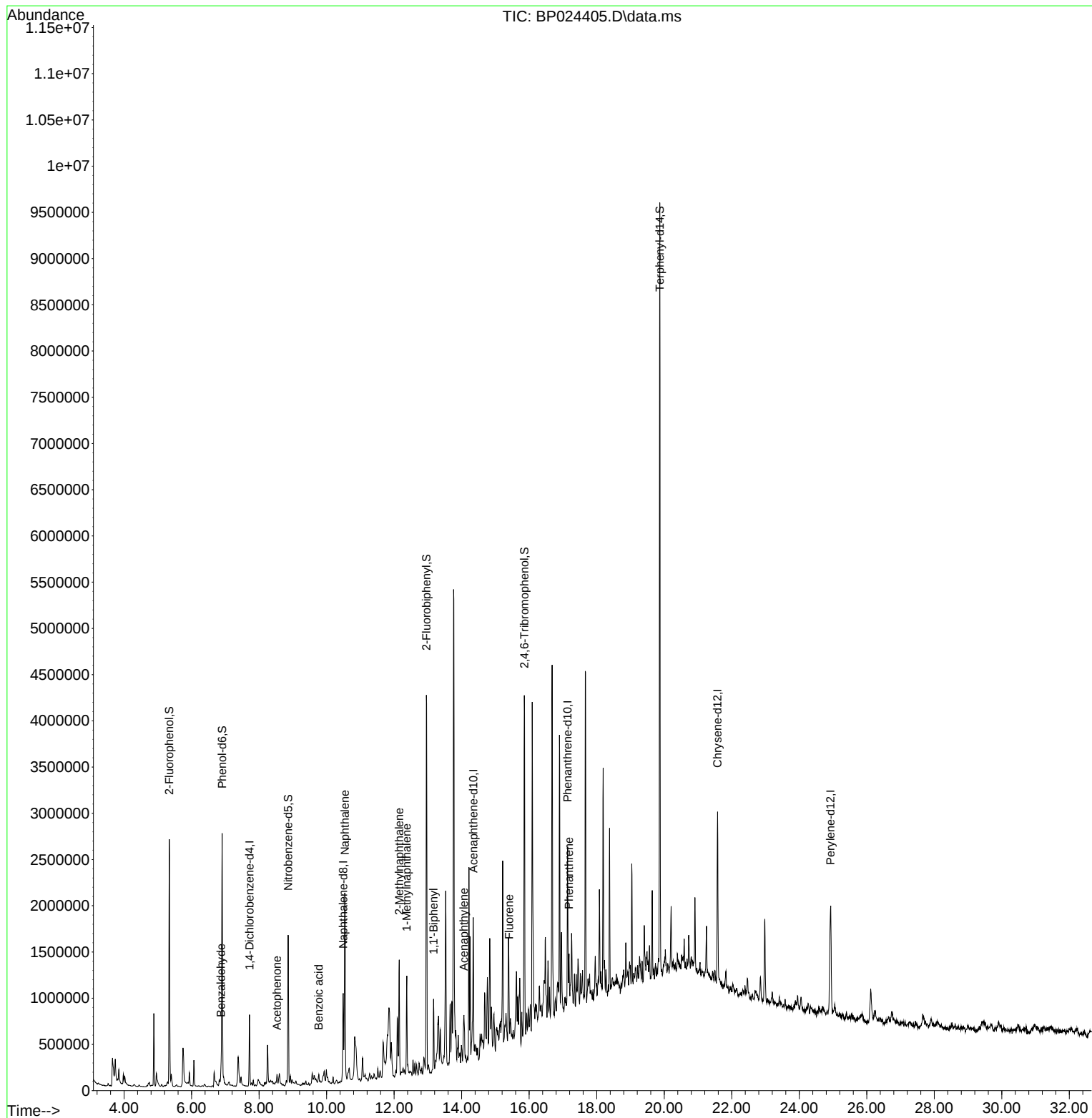
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042325\
Data File : BP024405.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

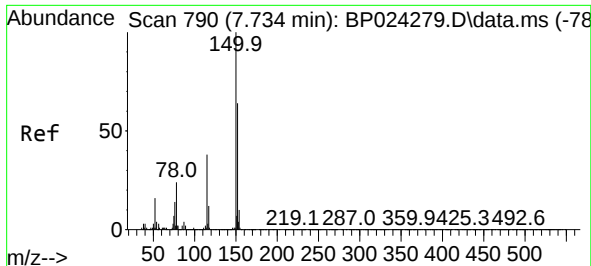
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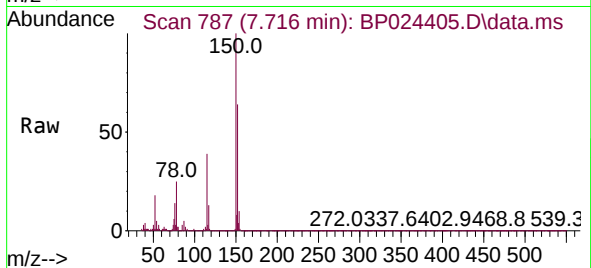
Quant Time: Apr 24 02:41:09 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration





#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

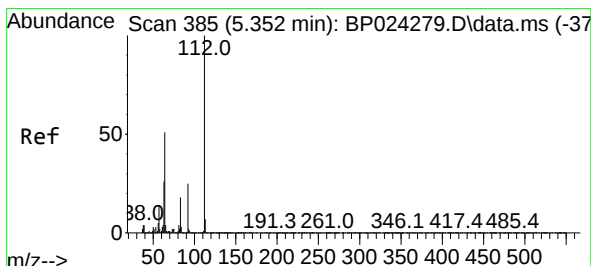
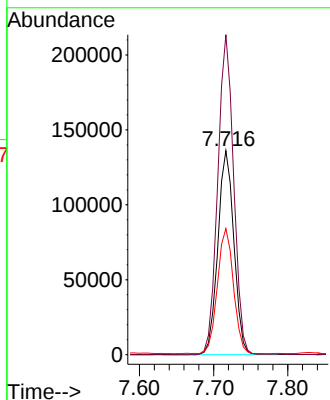
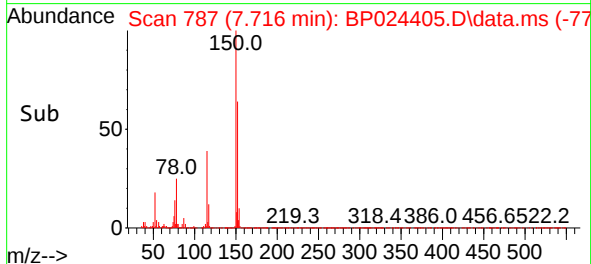
Instrument :
BNA_P
ClientSampleId :
2001-2002



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

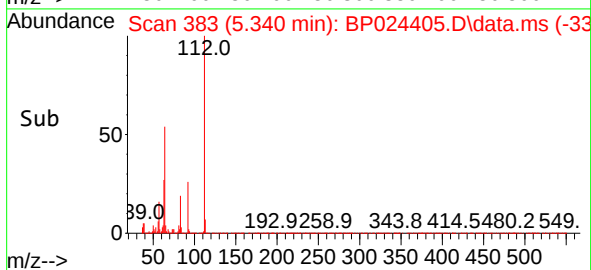
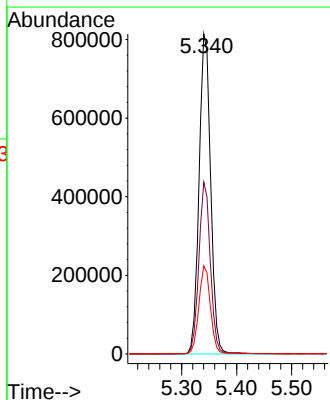
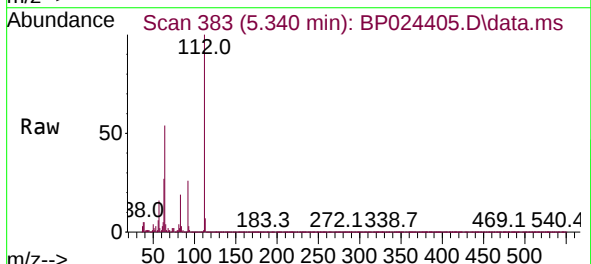
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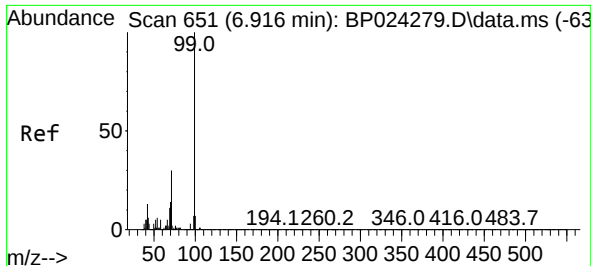
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



#5
2-Fluorophenol
Concen: 96.767 ng
RT: 5.340 min Scan# 383
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

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





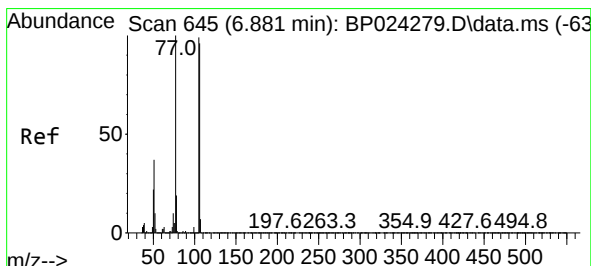
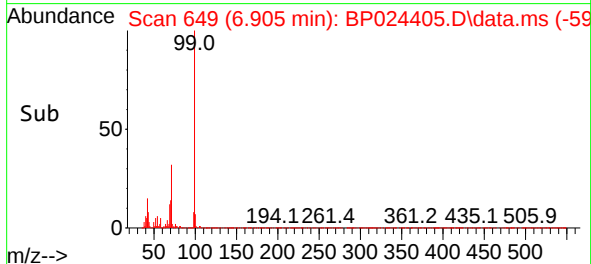
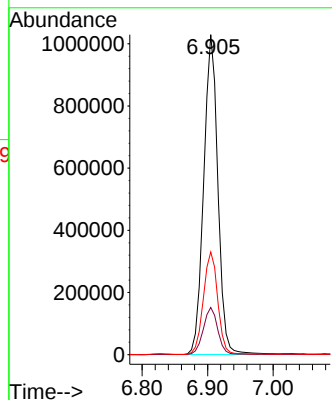
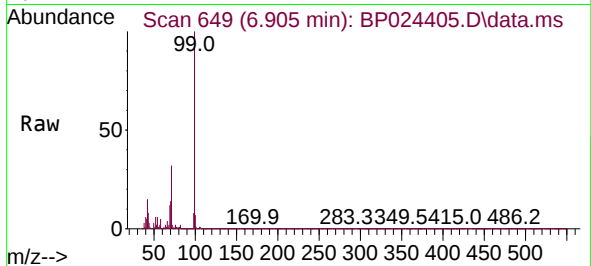
#7
Phenol-d6
Concen: 91.932 ng
RT: 6.905 min Scan# 649
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Instrument :
BNA_P
ClientSampleId :
2001-2002

Tgt Ion: 99 Resp: 155426
Ion Ratio Lower Upper
99 100
42 14.8 10.6 16.0
71 32.1 23.7 35.5

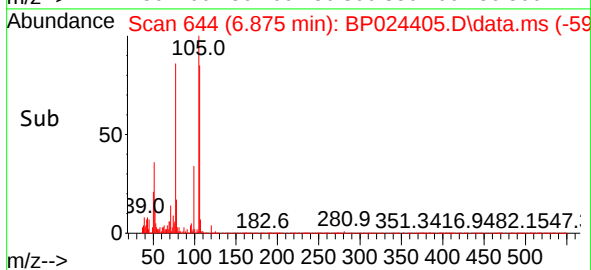
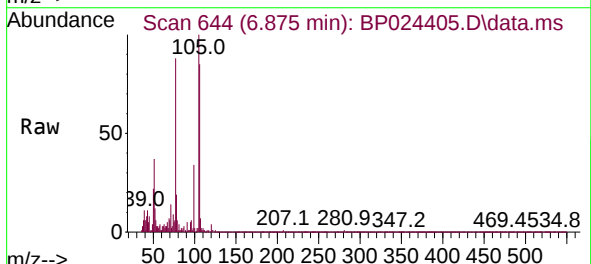
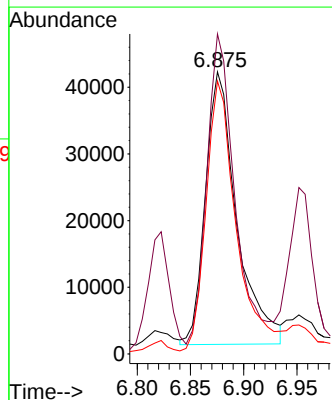
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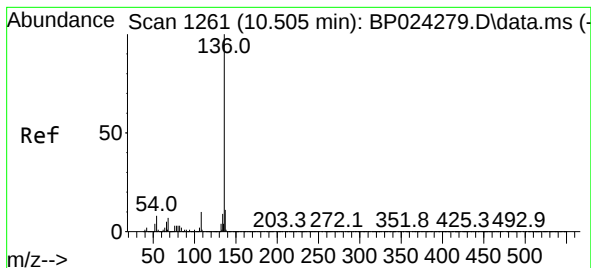
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



#9
Benzaldehyde
Concen: 9.988 ng
RT: 6.875 min Scan# 644
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.493 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:136 Resp: 831878

Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 7.0 6.0 9.0

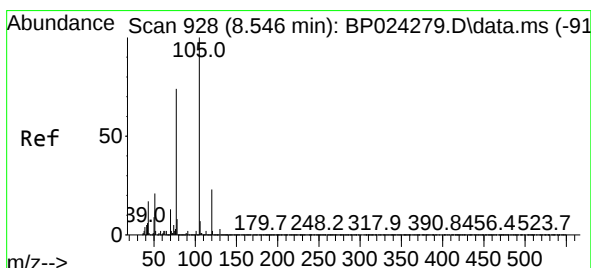
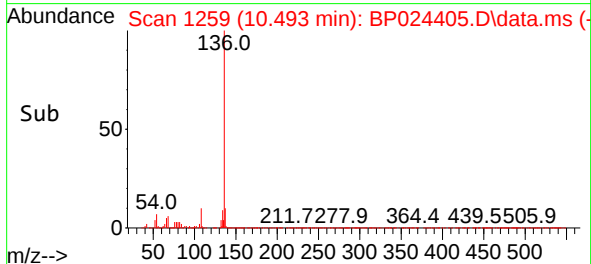
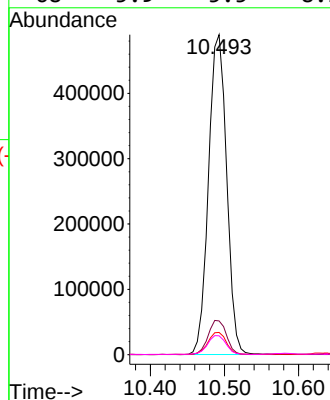
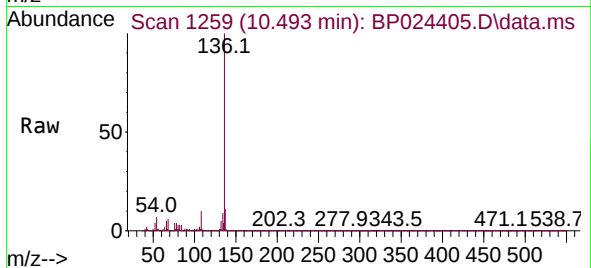
68 5.9 5.5 8.3

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Supervised By :Jagrut Upadhyay 04/24/2025



#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

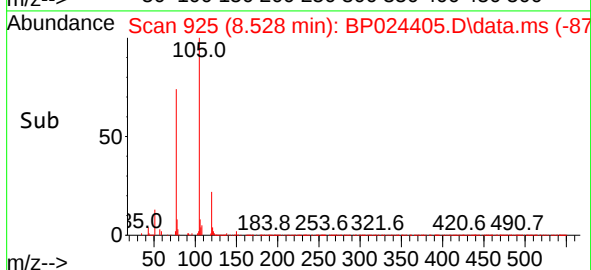
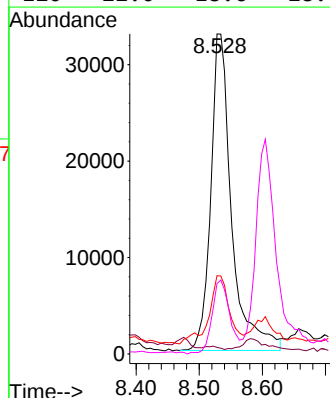
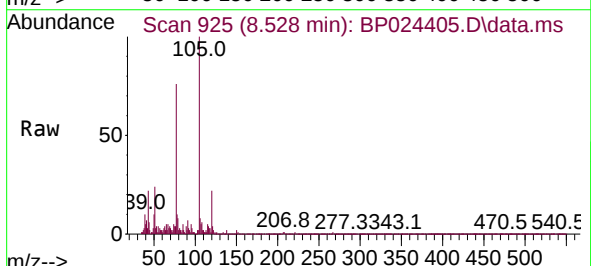
Ion Ratio Lower Upper

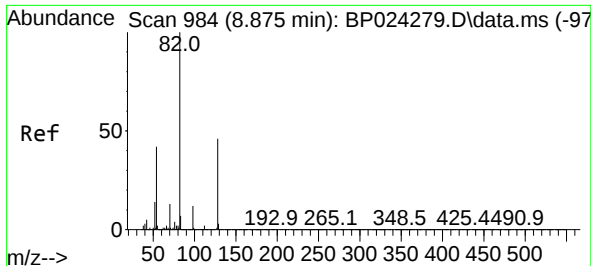
105 100

71 2.0 1.7 2.5

51 24.5 16.9 25.3

120 22.0 18.6 28.0





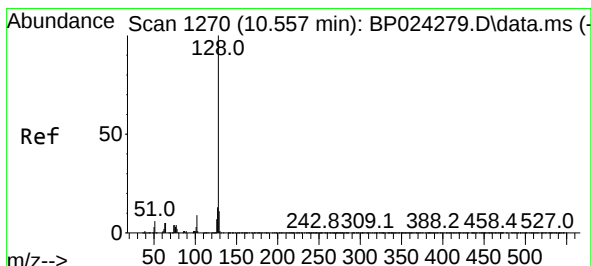
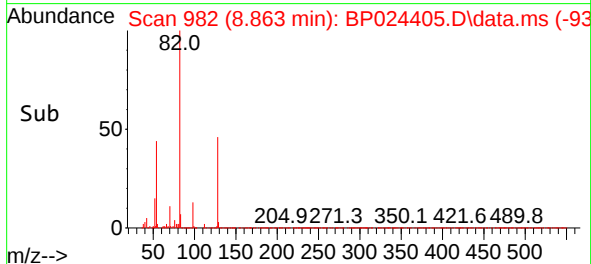
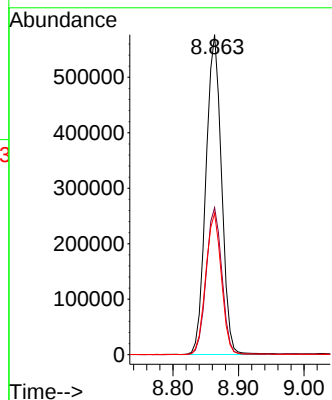
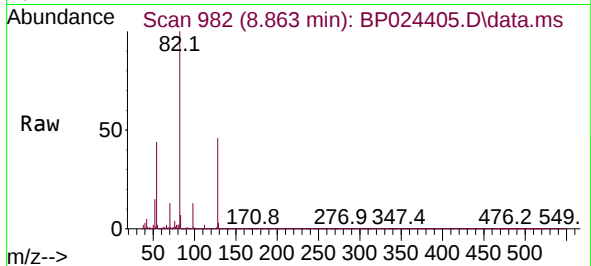
#23
Nitrobenzene-d5
Concen: 65.558 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

Instrument :
BNA_P
ClientSampleId :
2001-2002

Tgt Ion: 82 Resp: 95641
Ion Ratio Lower Upper
82 100
128 46.0 36.5 54.7
54 44.2 33.4 50.2

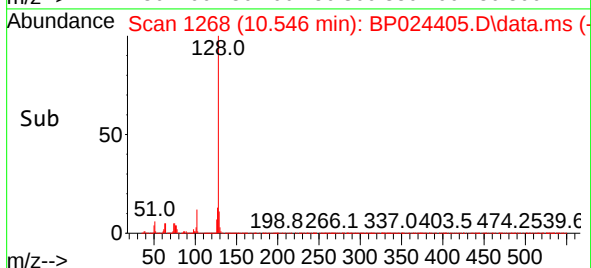
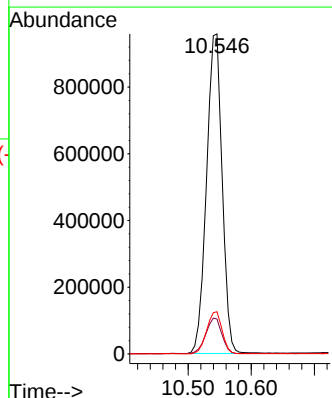
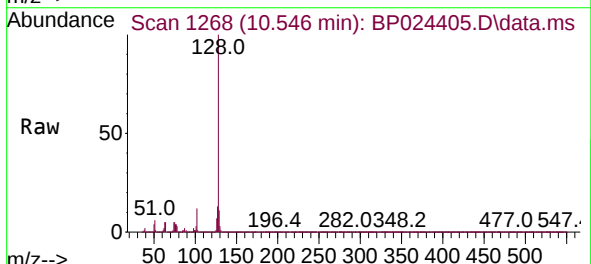
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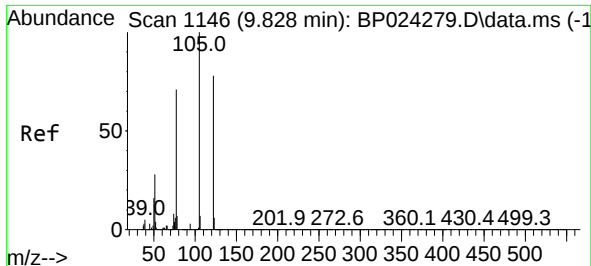
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



#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

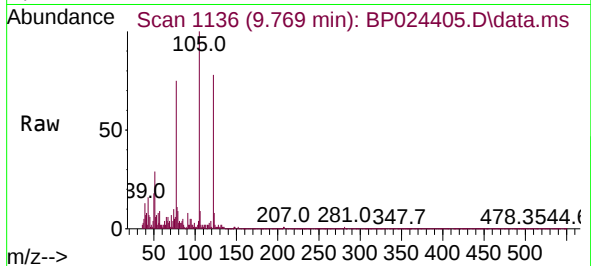
Tgt Ion:128 Resp: 1649954
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.2 10.3 15.5





#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

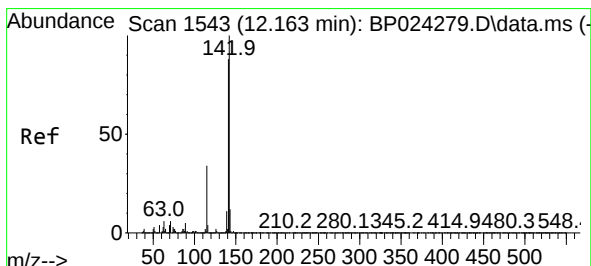
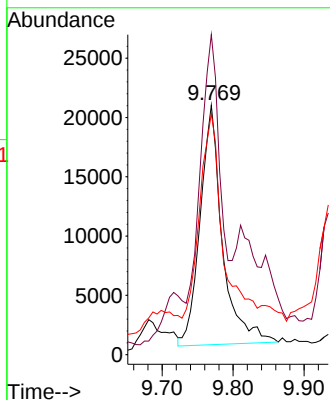
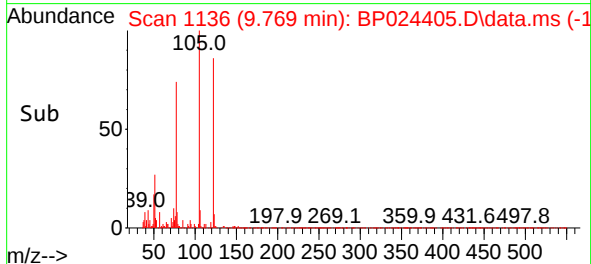
Instrument :
BNA_P
ClientSampleId :
2001-2002



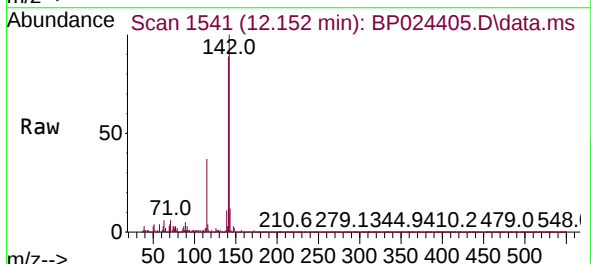
Tgt Ion:122 Resp: 44124
Ion Ratio Lower Upper
122 100
105 128.3 104.8 144.8
77 96.8 69.2 109.2

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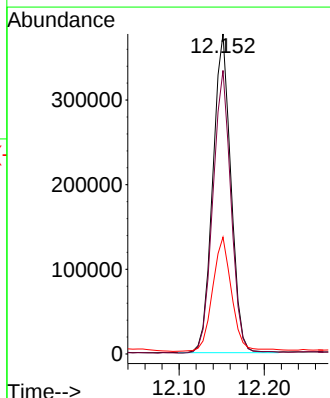
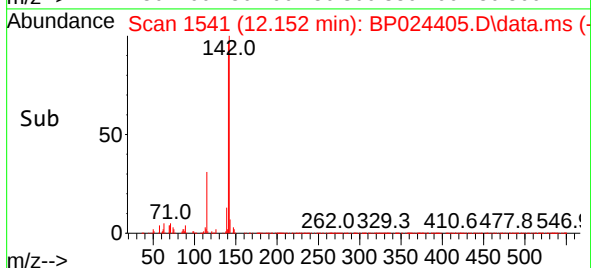
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

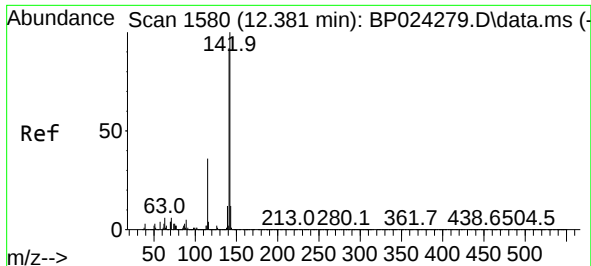


#37
2-Methylnaphthalene
Concen: 18.327 ng
RT: 12.152 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59



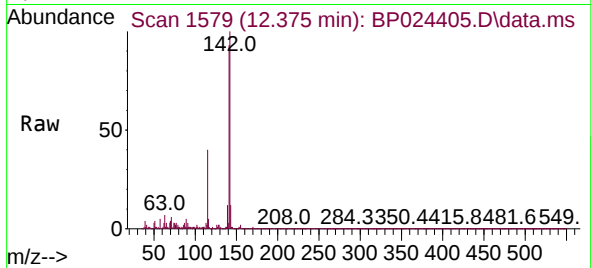
Tgt Ion:142 Resp: 556975
Ion Ratio Lower Upper
142 100
141 88.6 70.3 105.5
115 36.5 26.9 40.3





#38
1-Methylnaphthalene
Concen: 14.878 ng m
RT: 12.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59

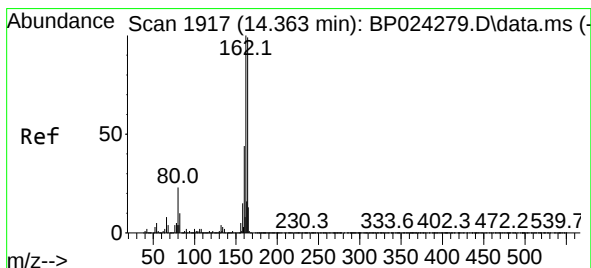
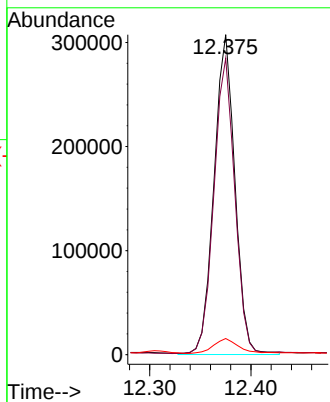
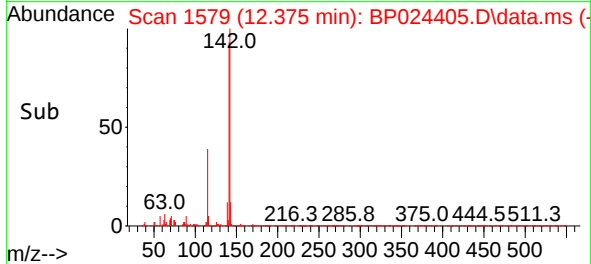
Instrument :
BNA_P
ClientSampleId :
2001-2002



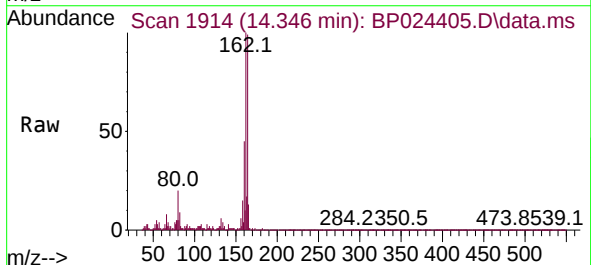
Tgt Ion:142 Resp: 442309
Ion Ratio Lower Upper
142 100
141 92.7 73.6 110.4
116 5.0 3.0 4.6

Manual Integrations
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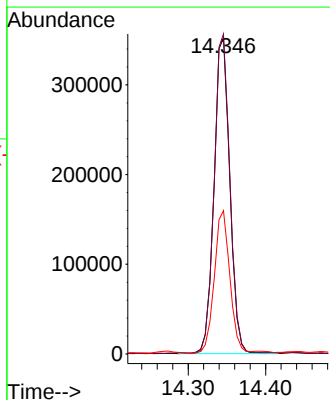
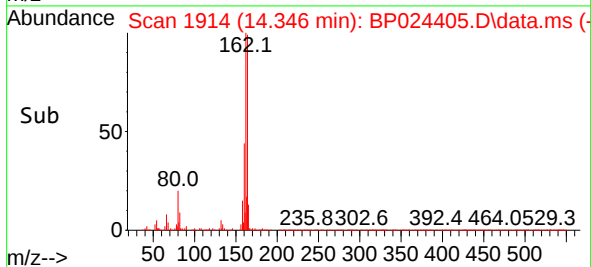
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

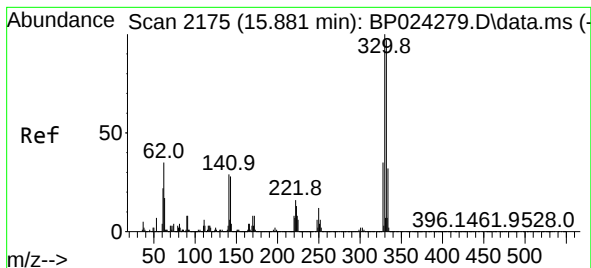


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.346 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP024405.D
Acq: 23 Apr 2025 20:59



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

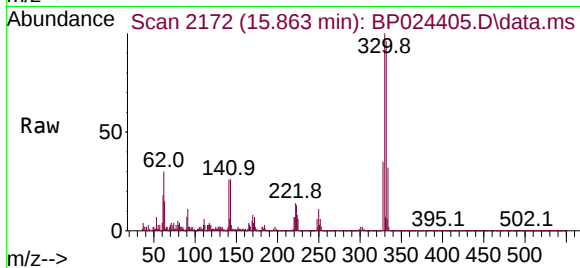
Acq: 23 Apr 2025 20:59

Instrument :

BNA_P

ClientSampleId :

2001-2002



Tgt Ion:330 Resp: 776200

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

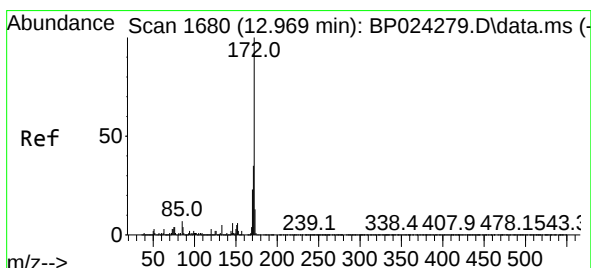
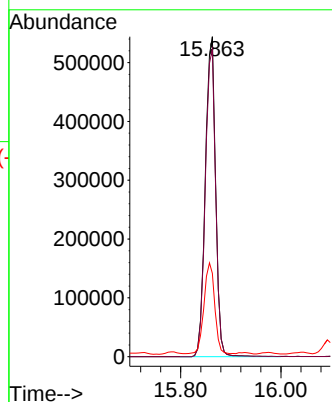
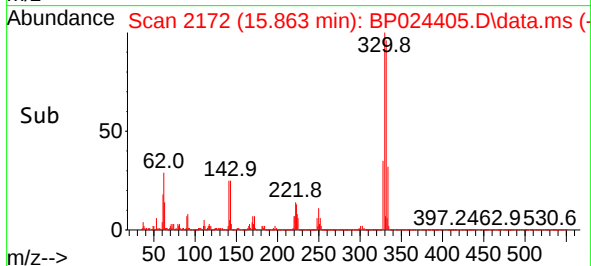
141 29.5 24.7 37.1

Manual Integrations

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Reviewed By :Rahul Chavli 04/24/2025

Supervised By :Jagrut Upadhyay 04/24/2025



#45

2-Fluorobiphenyl

Concen: 68.222 ng

RT: 12.957 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BP024405.D

Acq: 23 Apr 2025 20:59

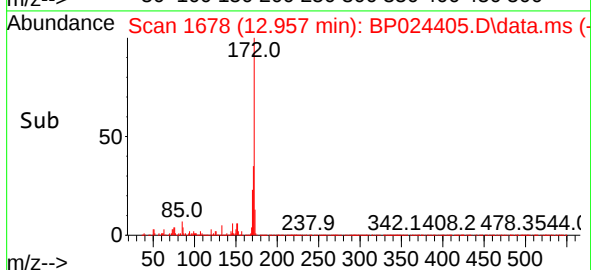
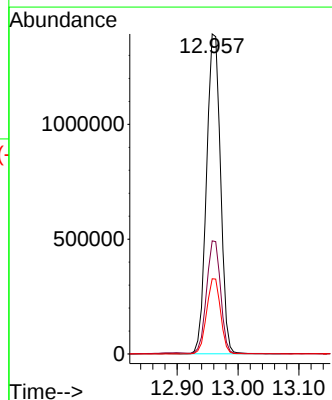
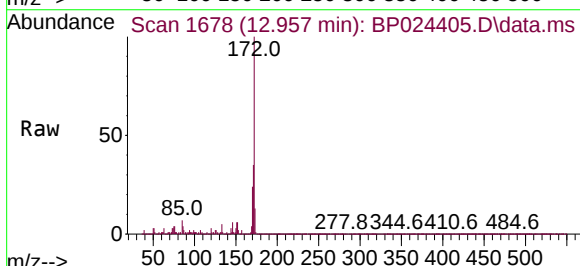
Tgt Ion:172 Resp: 2221594

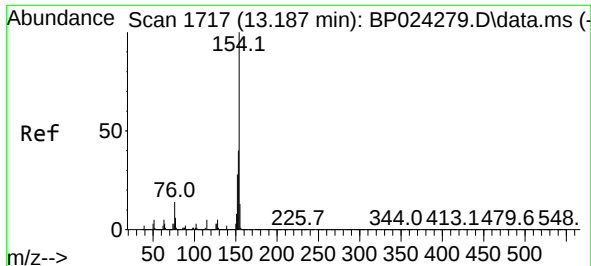
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

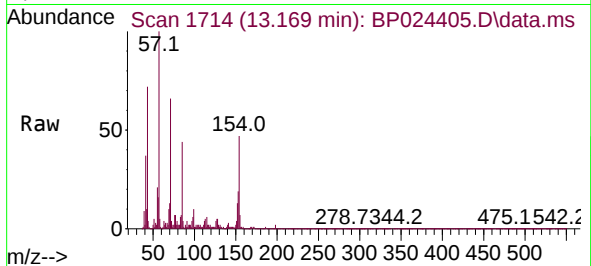
170 23.5 18.6 27.8





#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

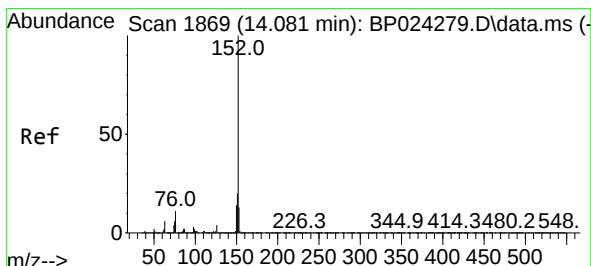
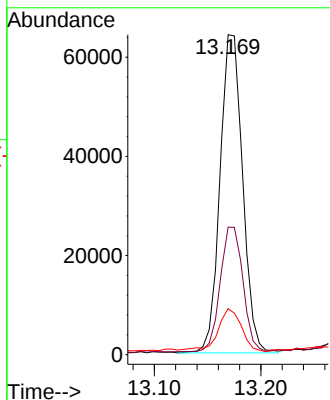
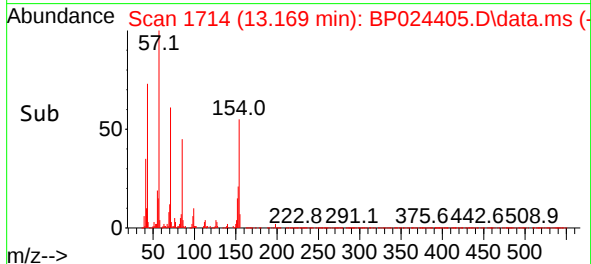
Instrument :
BNA_P
ClientSampleId :
2001-2002



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

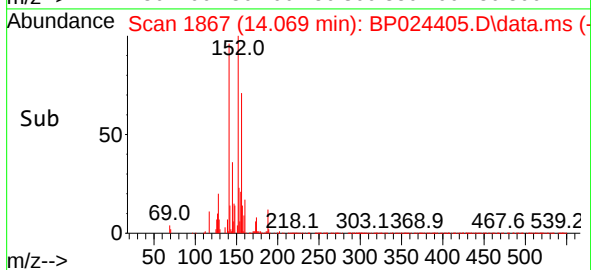
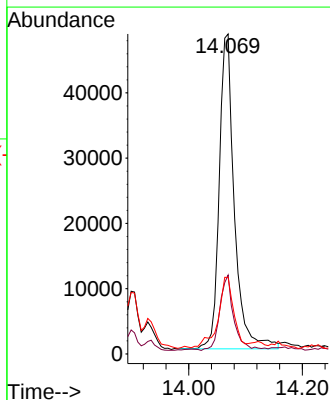
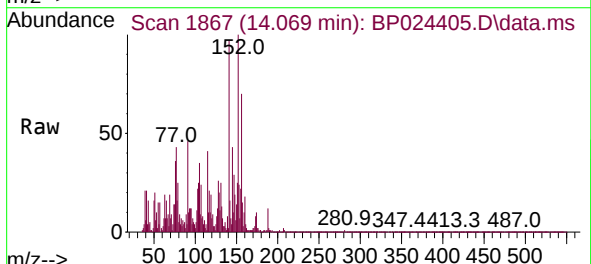
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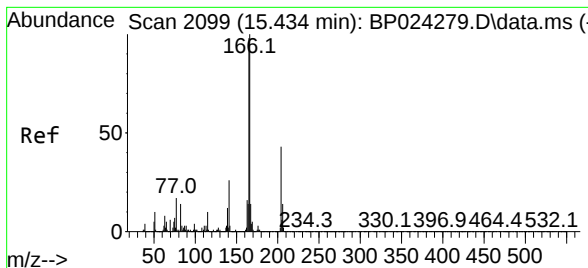
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



#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

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# 2099

Delta R.T. -0.012 min

Lab File: BP024405.D

Acq: 23 Apr 2025 20:59

Instrument :

BNA_P

ClientSampleId :

2001-2002

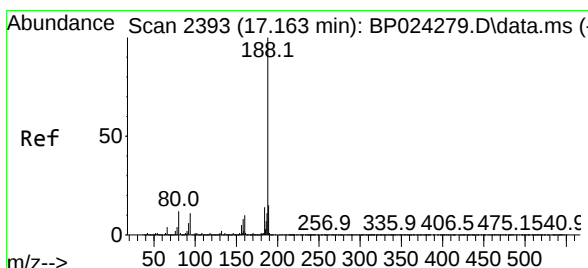
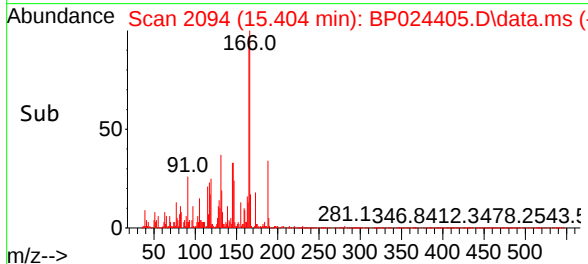
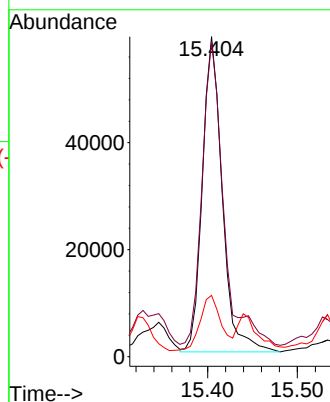
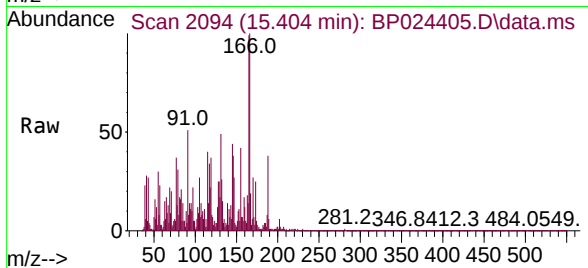
Tgt Ion:166	Resp: 9065
Ion Ratio	Lower Upper
166 100	
165 98.5	78.1 117.1
167 19.1	10.9 16.3

Manual Integrations

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Reviewed By :Rahul Chavli 04/24/2025

Supervised By :Jagrut Upadhyay 04/24/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

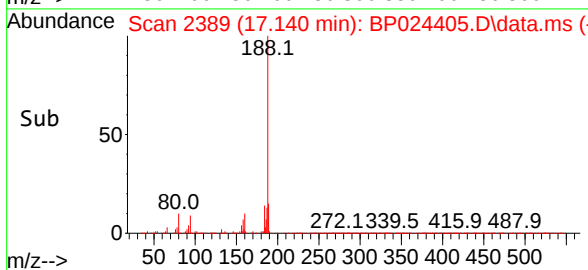
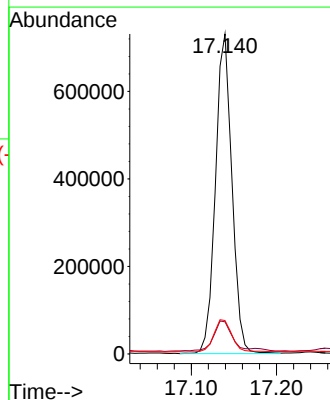
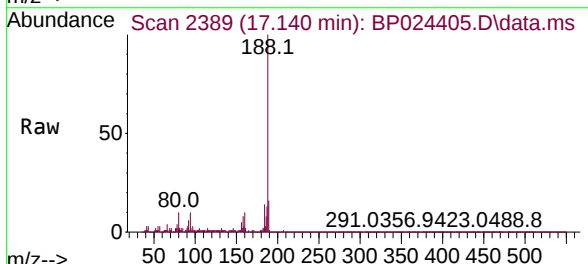
RT: 17.140 min Scan# 2389

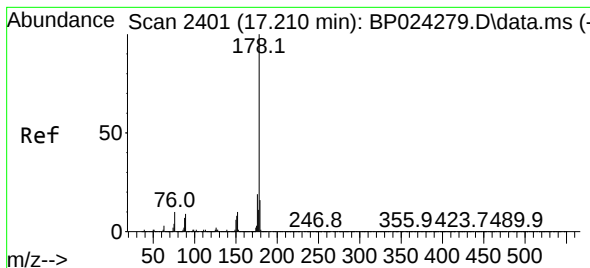
Delta R.T. -0.006 min

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

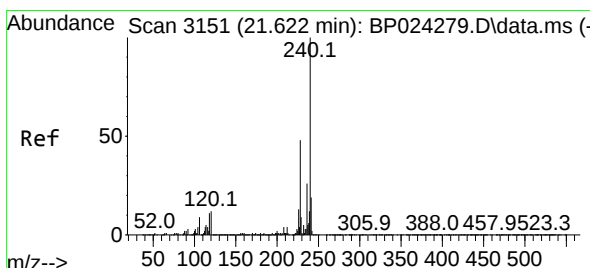
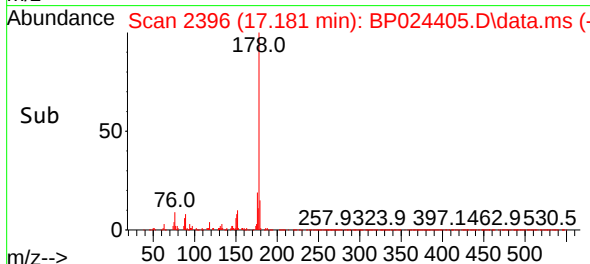
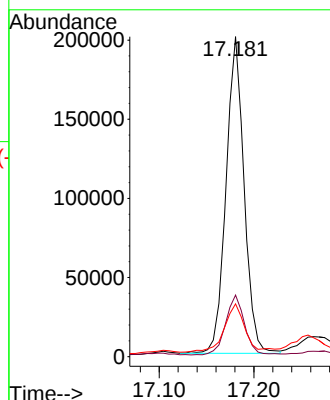
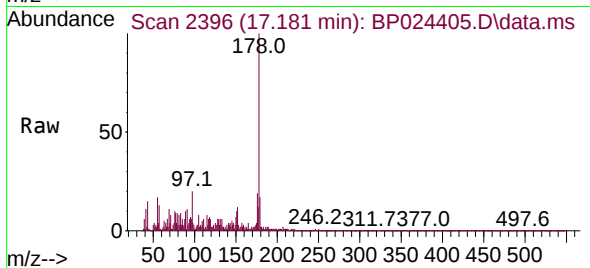
179 16.5 12.5 18.7

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Reviewed By :Rahul Chavli 04/24/2025

Supervised By :Jagrut Upadhyay 04/24/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.580 min Scan# 3144

Delta R.T. -0.012 min

Lab File: BP024405.D

Acq: 23 Apr 2025 20:59

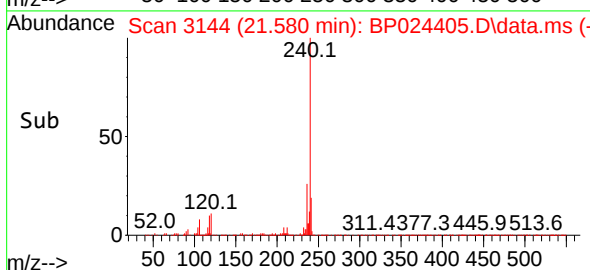
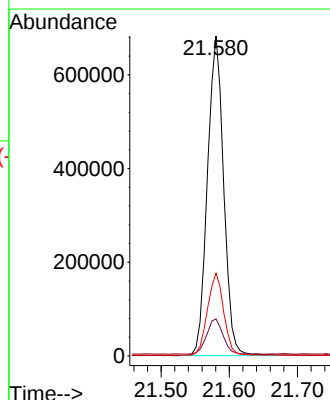
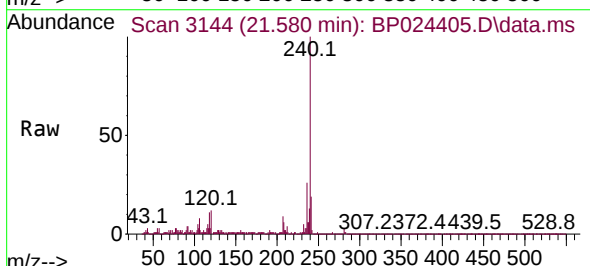
Tgt Ion:240 Resp: 1129665

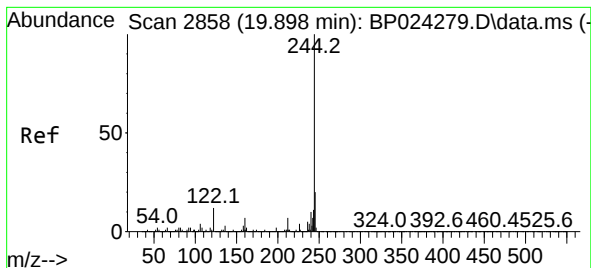
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BP024405.D

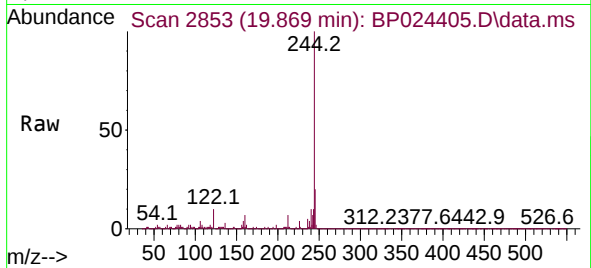
Acq: 23 Apr 2025 20:59

Instrument :

BNA_P

ClientSampleId :

2001-2002



Tgt Ion:244 Resp: 378514

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

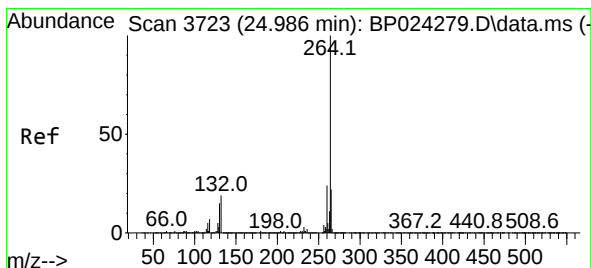
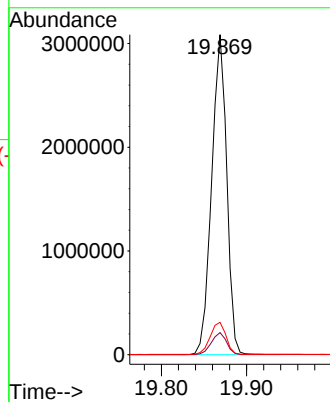
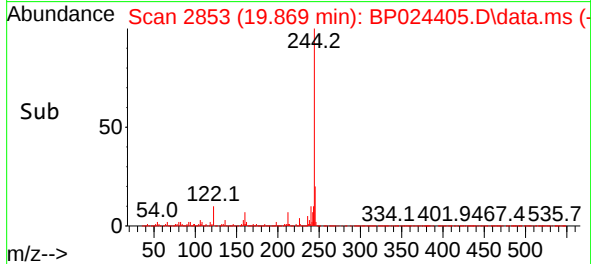
122 10.1 9.4 14.0

Manual Integrations

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Reviewed By :Rahul Chavli 04/24/2025

Supervised By :Jagrut Upadhyay 04/24/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.927 min Scan# 3713

Delta R.T. -0.006 min

Lab File: BP024405.D

Acq: 23 Apr 2025 20:59

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

