

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
 Data File : BP025373.D
 Acq On : 12 Aug 2025 19:23
 Operator : CG/JU
 Sample : Q2827-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-8

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/13/2025
 Supervised By :Jagrut Upadhyay 08/13/2025

Quant Time: Aug 12 23:00:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	232112	20.000	ng	0.00
21) Naphthalene-d8	10.578	136	938980	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	567338	20.000	ng	0.00
64) Phenanthrene-d10	17.231	188	1043834	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1031050	20.000	ng	0.00
86) Perylene-d12	25.054	264	1224361	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	958723	66.432	ng	0.00
7) Phenol-d6	6.978	99	1194101	62.871	ng	0.01
23) Nitrobenzene-d5	8.943	82	758824	44.772	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	489813	86.542	ng	0.01
45) 2-Fluorobiphenyl	13.037	172	1737611	42.303	ng	0.00
79) Terphenyl-d14	19.948	244	2346472	42.985	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.454	142	68776	2.089	ng	# 97
52) Acenaphthene	14.484	154	110175	3.395	ng	99
55) Dibenzofuran	14.825	168	116265	2.397	ng	# 64
58) Fluorene	15.490	166	239666	6.292	ng	98
71) Phenanthrene	17.278	178	984589	17.221	ng	98
72) Anthracene	17.366	178	159178m	2.761	ng	
74) Di-n-butylphthalate	18.248	149	177533	2.652	ng	# 95
75) Fluoranthene	19.360	202	339756	5.134	ng	96
78) Pyrene	19.719	202	340810	4.971	ng	# 94
84) Bis(2-ethylhexyl)phtha...	21.595	149	700681	15.781	ng	97

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

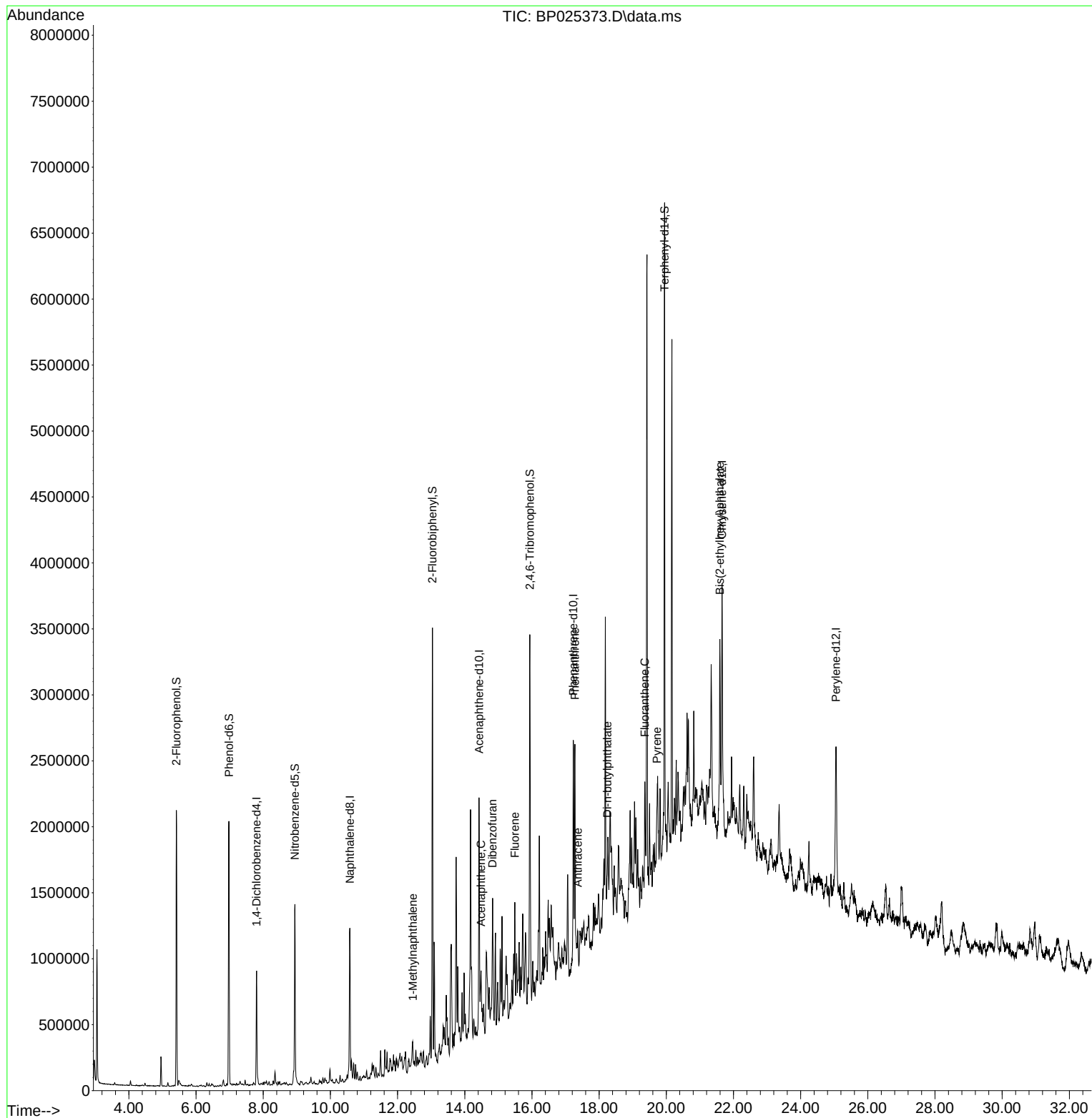
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025373.D
Acq On : 12 Aug 2025 19:23
Operator : CG/JU
Sample : Q2827-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

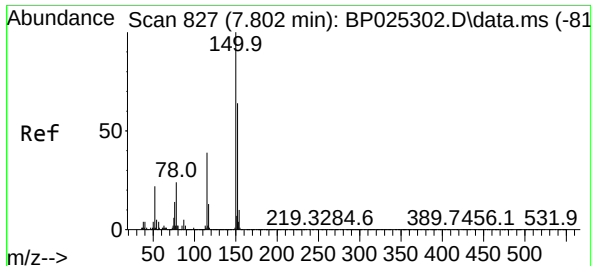
Instrument :
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TP-8

Quant Time: Aug 12 23:00:28 2025
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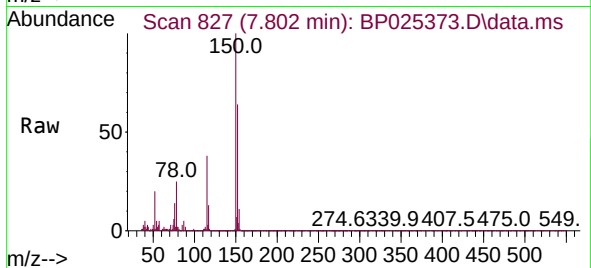
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23

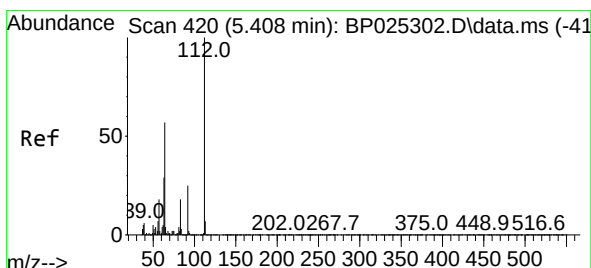
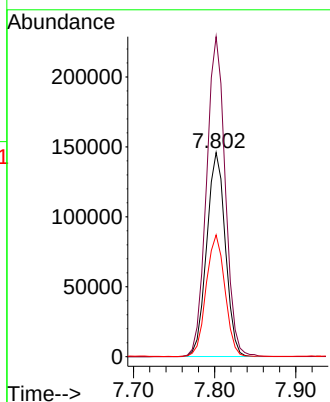
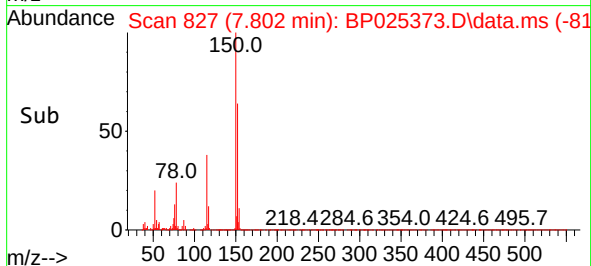
Instrument :
BNA_P
ClientSampleId :
TP-8



Tgt Ion:152 Resp: 23211
Ion Ratio Lower Upper
152 100
150 156.7 125.1 187.7
115 59.7 48.4 72.6

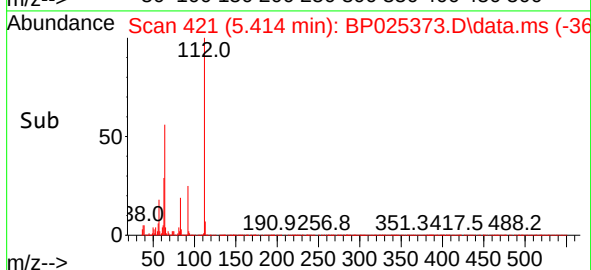
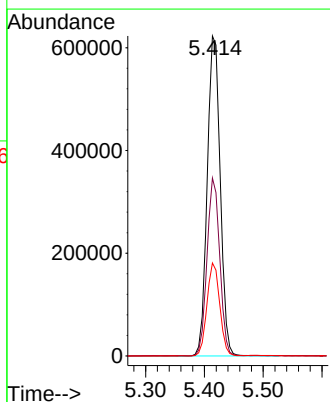
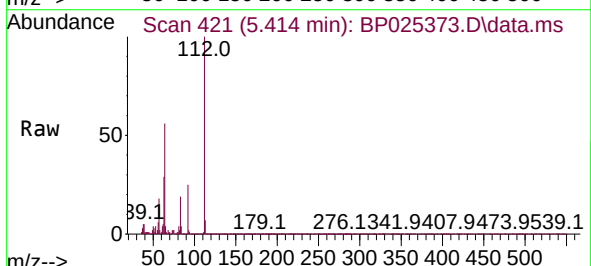
Manual Integrations
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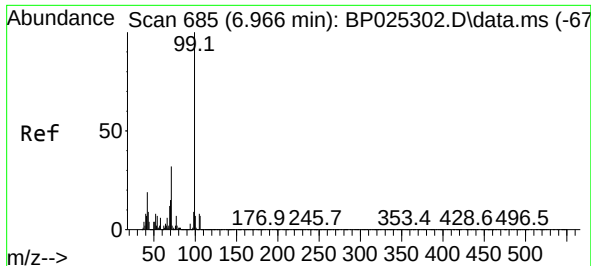
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#5
2-Fluorophenol
Concen: 66.432 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23

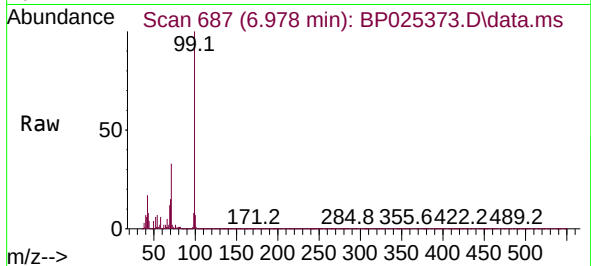
Tgt Ion:112 Resp: 958723
Ion Ratio Lower Upper
112 100
64 55.6 45.3 67.9
63 29.1 23.0 34.6





#7
Phenol-d6
Concen: 62.871 ng
RT: 6.978 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23

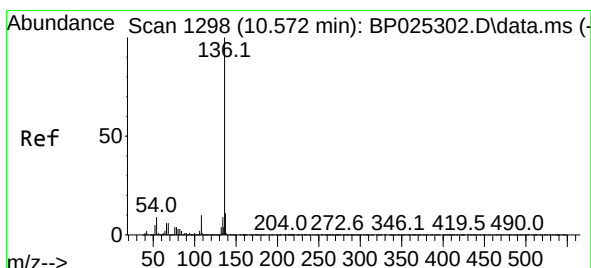
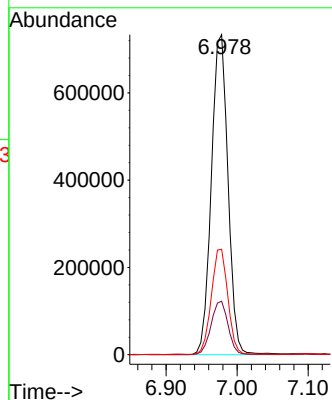
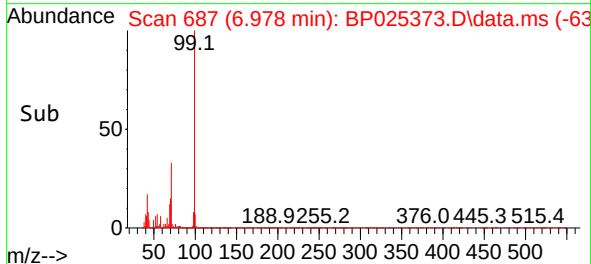
Instrument :
BNA_P
ClientSampleId :
TP-8



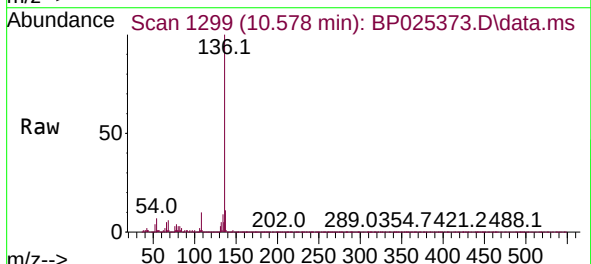
Tgt Ion: 99 Resp: 119410
Ion Ratio Lower Upper
99 100
42 16.7 15.0 22.6
71 32.9 25.5 38.3

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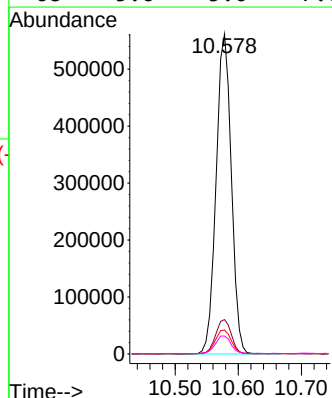
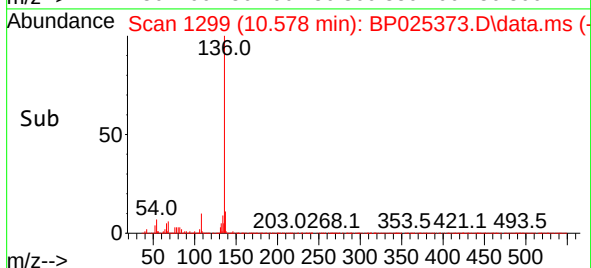
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

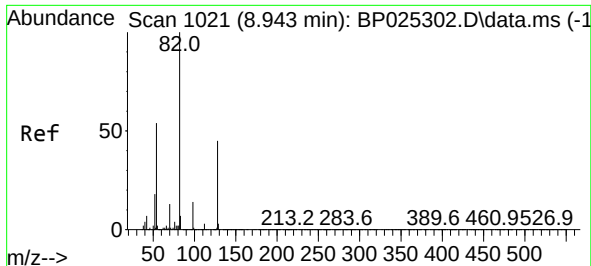


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23



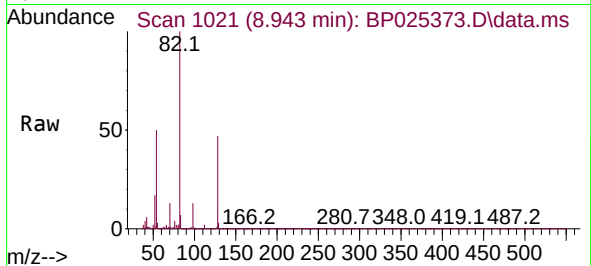
Tgt Ion:136 Resp: 938980
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.5 7.0 10.6
68 5.6 5.0 7.6





#23
Nitrobenzene-d5
Concen: 44.772 ng
RT: 8.943 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23

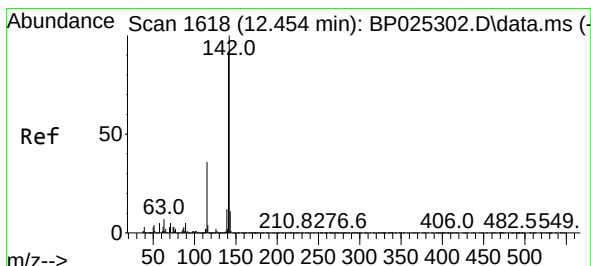
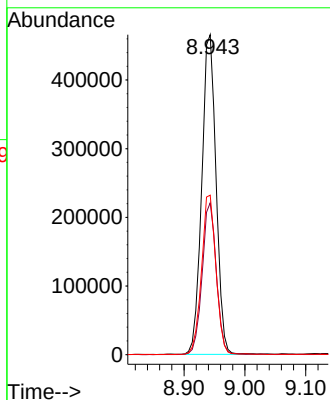
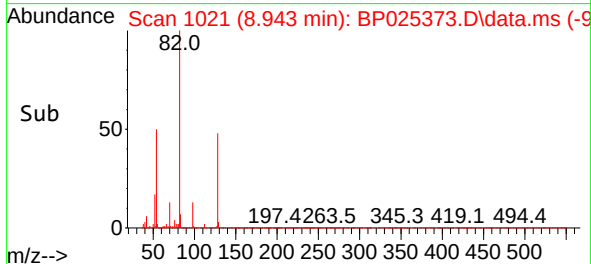
Instrument :
BNA_P
ClientSampleId :
TP-8



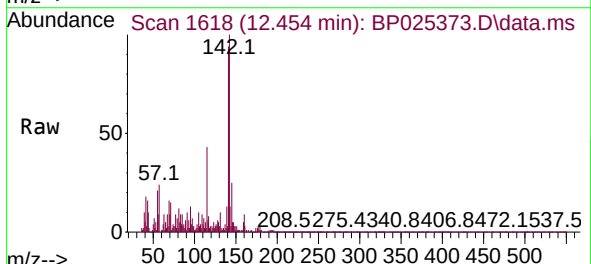
Tgt Ion: 82 Resp: 758824
Ion Ratio Lower Upper
82 100
128 47.4 35.4 53.2
54 49.9 42.9 64.3

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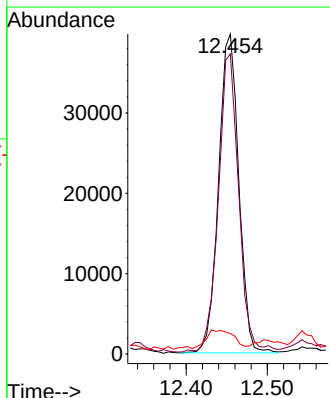
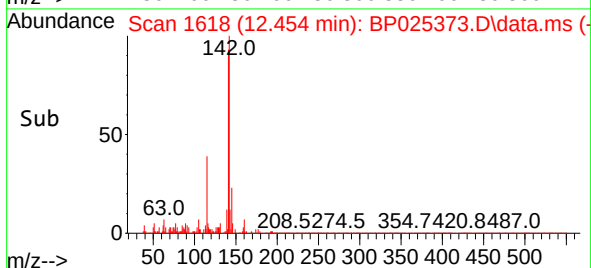
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

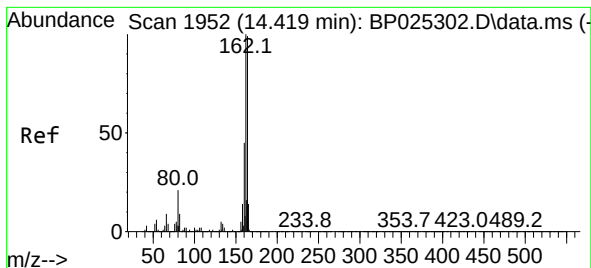


#38
1-Methylnaphthalene
Concen: 2.089 ng
RT: 12.454 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23



Tgt Ion:142 Resp: 68776
Ion Ratio Lower Upper
142 100
141 93.8 73.0 109.6
116 6.4 3.0 4.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.425 min Scan# 1953

Delta R.T. 0.006 min

Lab File: BP025373.D

Acq: 12 Aug 2025 19:23

Instrument :

BNA_P

ClientSampleId :

TP-8

Tgt Ion:164 Resp: 567338

Ion Ratio Lower Upper

164 100

162 99.7 80.6 120.8

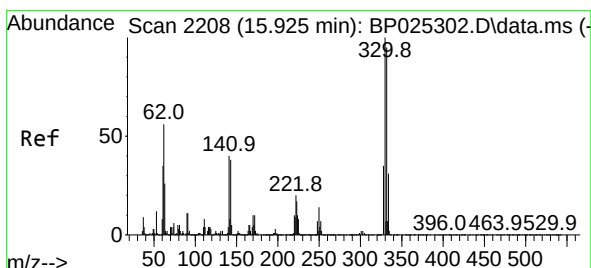
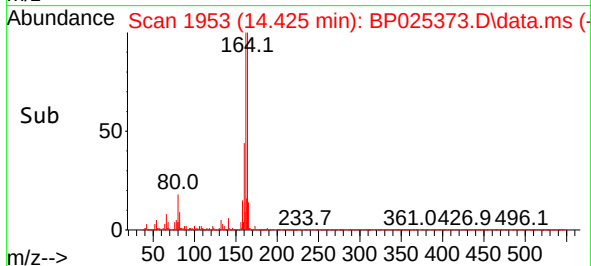
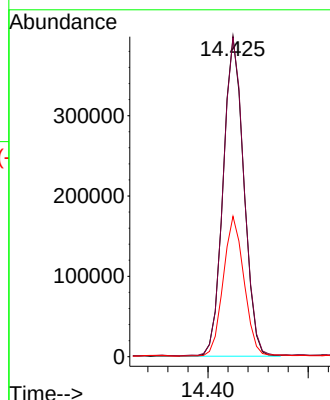
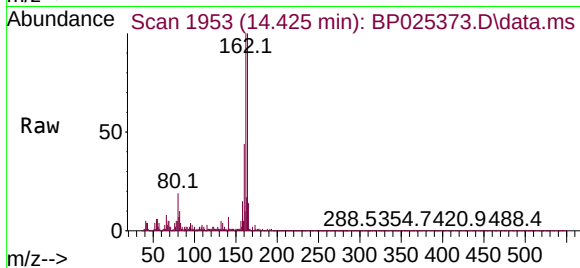
160 43.8 35.9 53.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/13/2025



#42

2,4,6-Tribromophenol

Concen: 86.542 ng

RT: 15.937 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BP025373.D

Acq: 12 Aug 2025 19:23

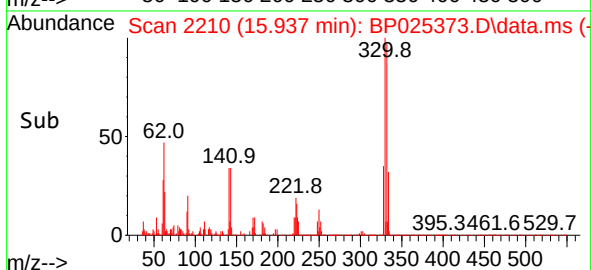
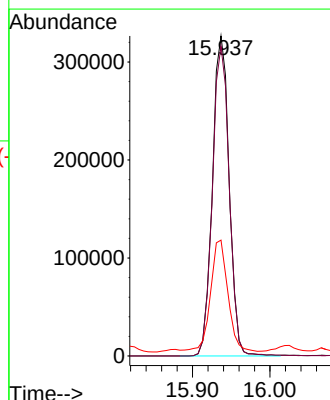
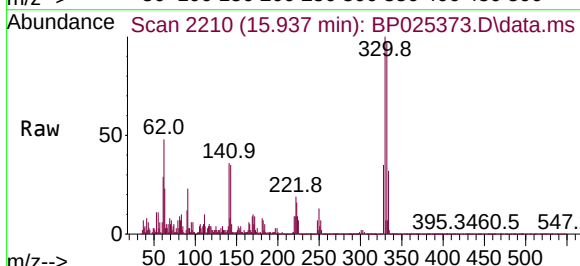
Tgt Ion:330 Resp: 489813

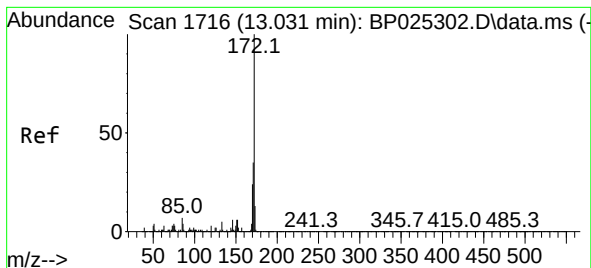
Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.0

141 35.8 31.7 47.5





#45

2-Fluorobiphenyl

Concen: 42.303 ng

RT: 13.037 min Scan# 1716

Delta R.T. 0.006 min

Lab File: BP025373.D

Acq: 12 Aug 2025 19:23

Instrument :

BNA_P

ClientSampleId :

TP-8

Tgt Ion:172 Resp: 173761

Ion Ratio Lower Upper

172 100

171 35.1 27.9 41.9

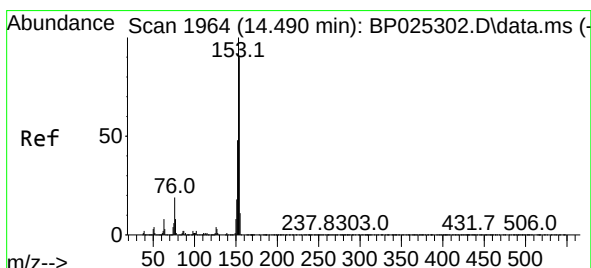
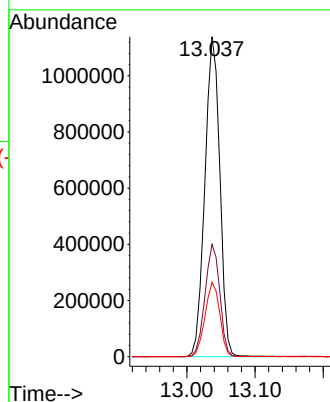
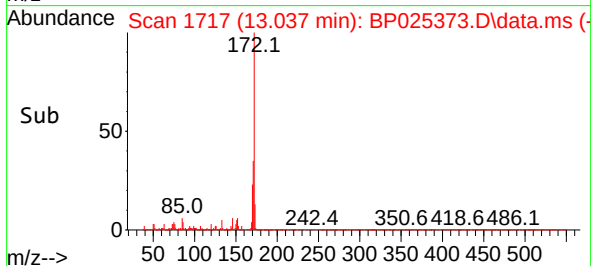
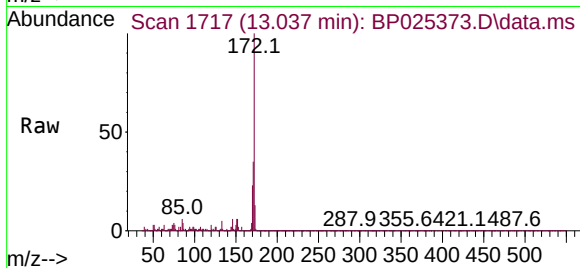
170 23.2 18.9 28.3

Manual Integrations

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#52

Acenaphthene

Concen: 3.395 ng

RT: 14.484 min Scan# 1963

Delta R.T. -0.006 min

Lab File: BP025373.D

Acq: 12 Aug 2025 19:23

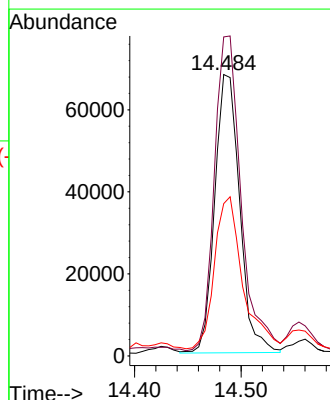
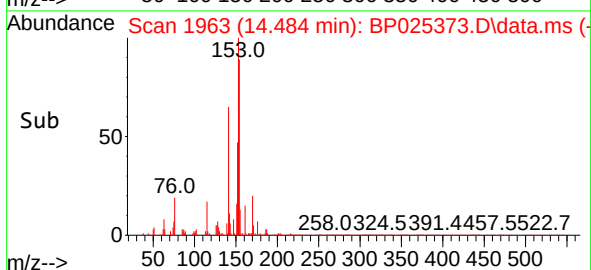
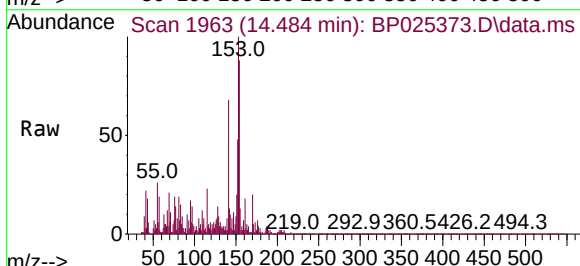
Tgt Ion:154 Resp: 110175

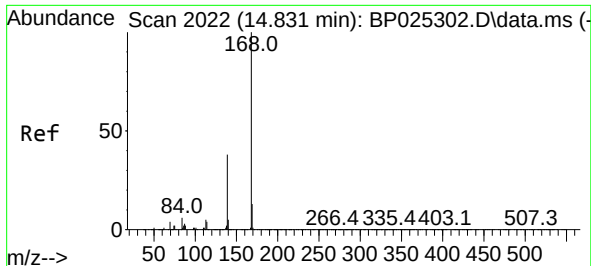
Ion Ratio Lower Upper

154 100

153 113.3 89.4 134.0

152 54.1 43.0 64.6





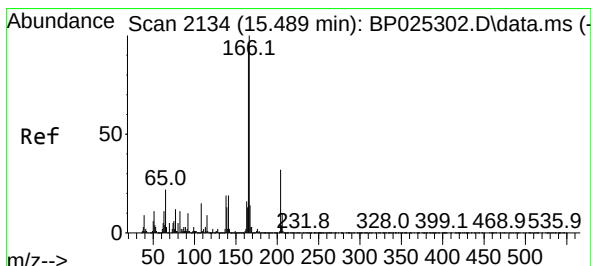
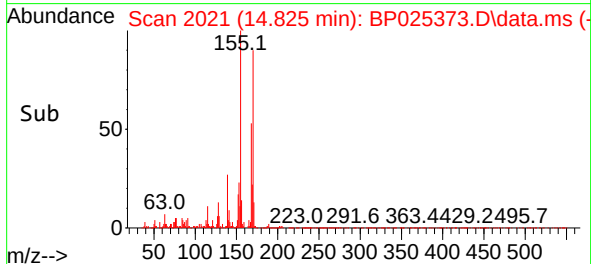
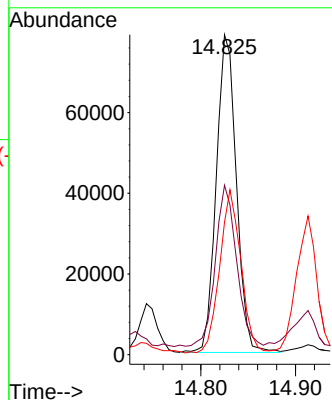
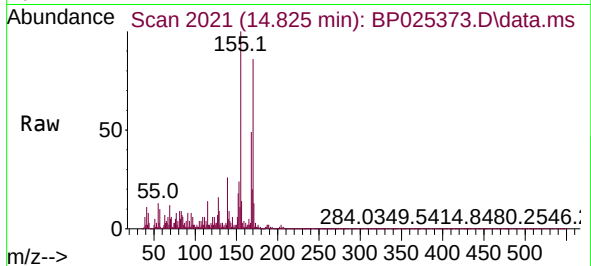
#55
Dibenzenofuran
Concen: 2.397 ng
RT: 14.825 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23

Instrument :
BNA_P
ClientSampleId :
TP-8

Tgt Ion:168 Resp: 11626
Ion Ratio Lower Upper
168 100
139 53.0 30.5 45.7
169 41.4 10.6 15.8

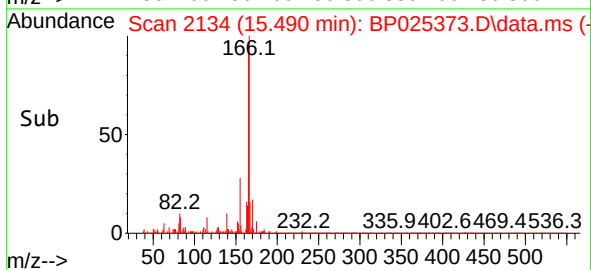
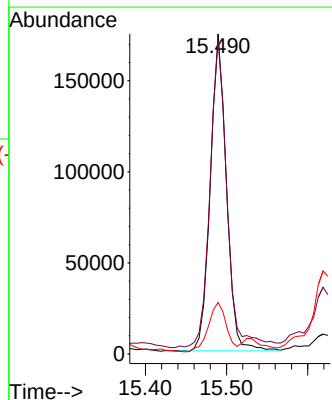
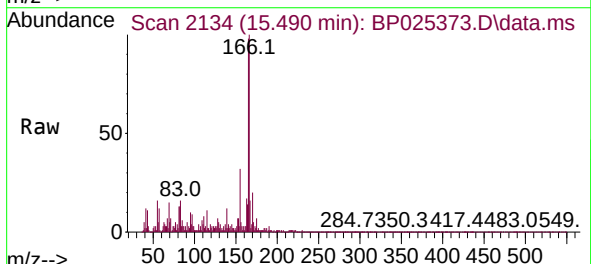
Manual Integrations
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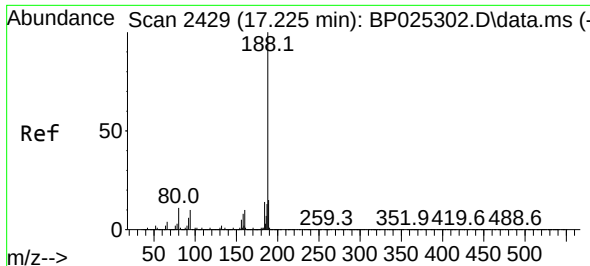
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#58
Fluorene
Concen: 6.292 ng
RT: 15.490 min Scan# 2134
Delta R.T. 0.001 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23

Tgt Ion:166 Resp: 239666
Ion Ratio Lower Upper
166 100
165 97.8 76.7 115.1
167 16.1 10.9 16.3





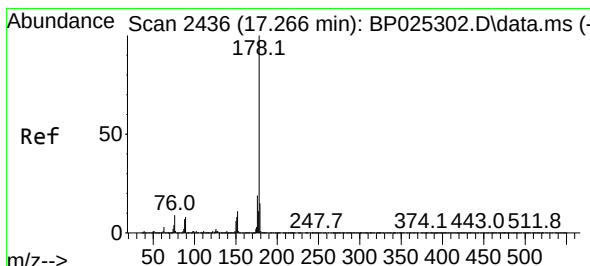
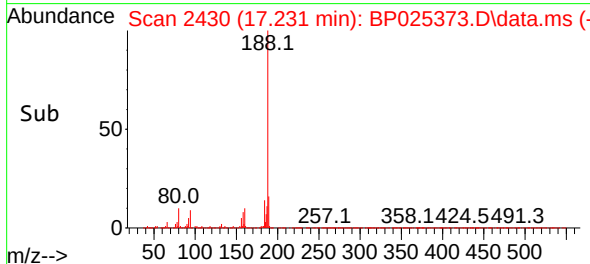
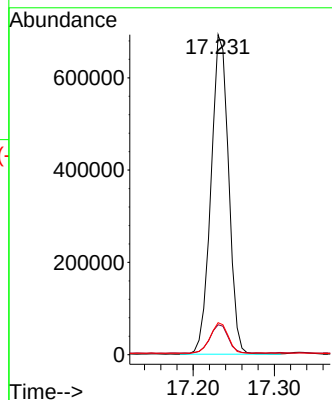
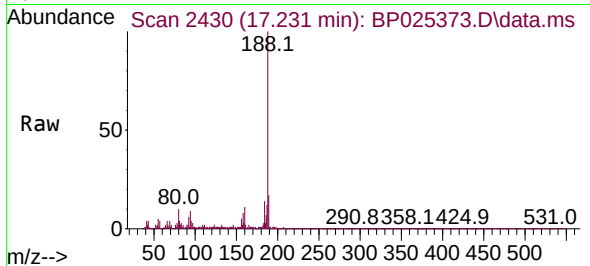
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.231 min Scan# 2429
Delta R.T. 0.006 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23

Instrument :
BNA_P
ClientSampleId :
TP-8

Tgt Ion:188 Resp: 1043834
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.0 8.5 12.7

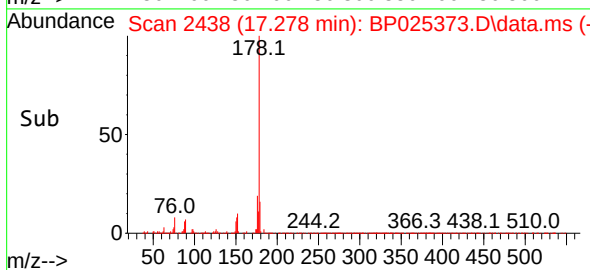
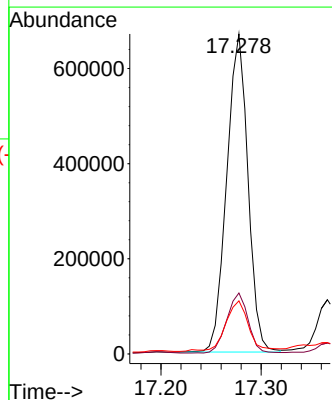
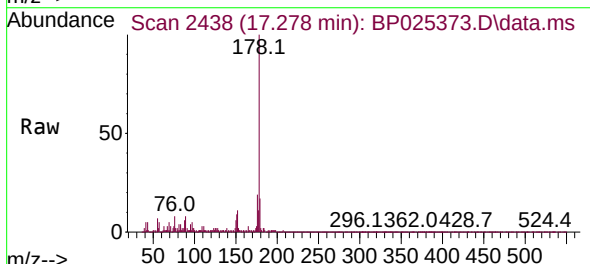
Manual Integrations
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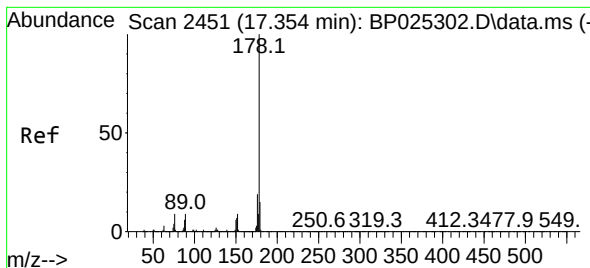
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#71
Phenanthrene
Concen: 17.221 ng
RT: 17.278 min Scan# 2438
Delta R.T. 0.012 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23

Tgt Ion:178 Resp: 984589
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.6 12.1 18.1





#72

Anthracene

Concen: 2.761 ng m

RT: 17.366 min Scan# 2451

Delta R.T. 0.012 min

Lab File: BP025373.D

Acq: 12 Aug 2025 19:23

Instrument :

BNA_P

ClientSampleId :

TP-8

Tgt Ion:178 Resp: 159178

Ion Ratio Lower Upper

178 100

176 20.1 14.8 22.2

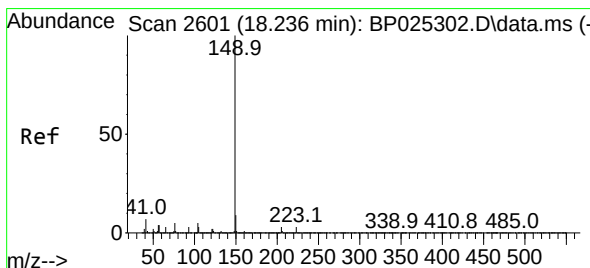
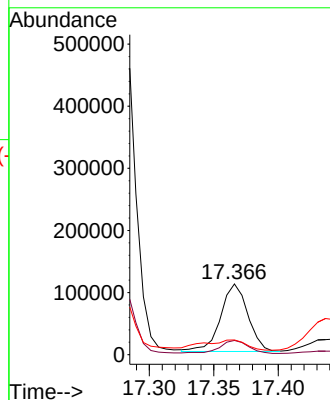
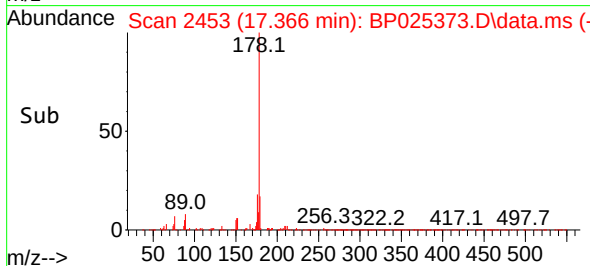
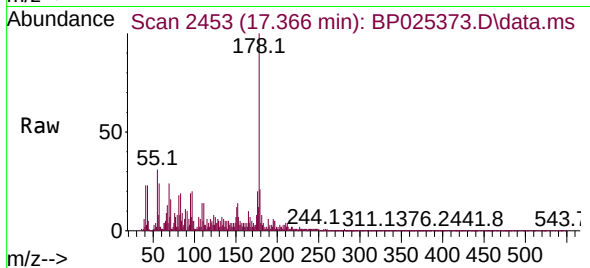
179 20.9 12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#74

Di-n-butylphthalate

Concen: 2.652 ng

RT: 18.248 min Scan# 2603

Delta R.T. 0.012 min

Lab File: BP025373.D

Acq: 12 Aug 2025 19:23

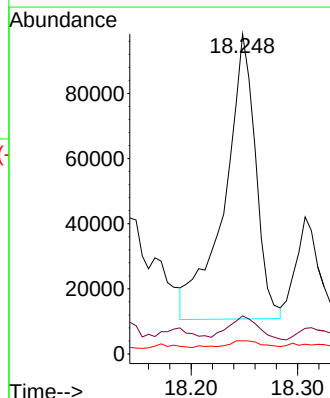
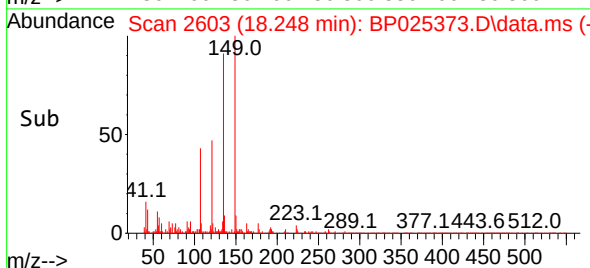
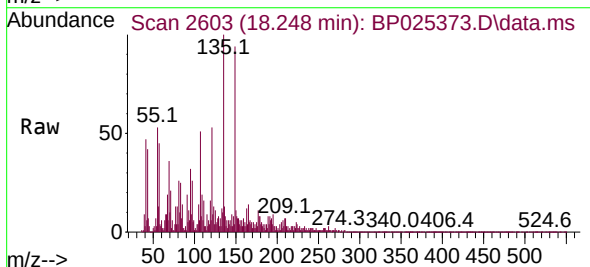
Tgt Ion:149 Resp: 177533

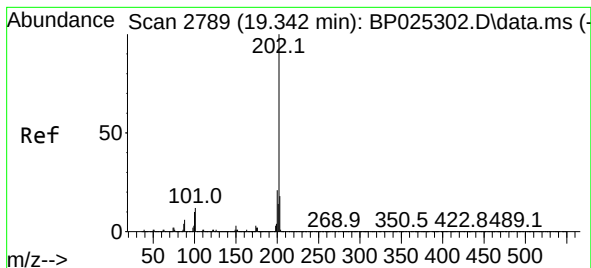
Ion Ratio Lower Upper

149 100

150 11.9 7.5 11.3#

104 4.1 4.1 6.1





#75

Fluoranthene

Concen: 5.134 ng

RT: 19.360 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP025373.D

Acq: 12 Aug 2025 19:23

Instrument :

BNA_P

ClientSampleId :

TP-8

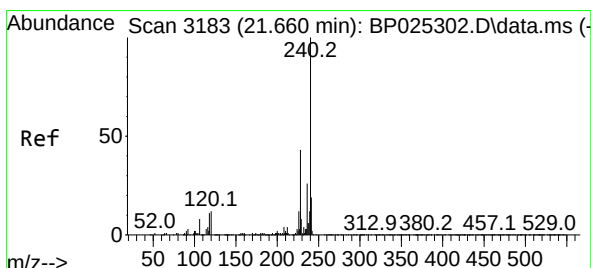
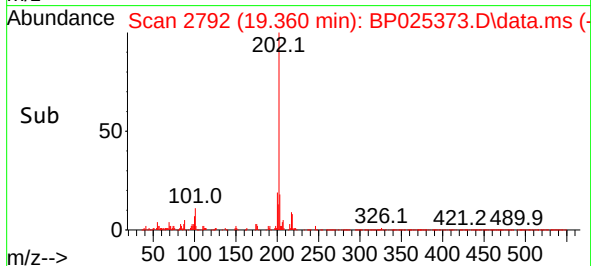
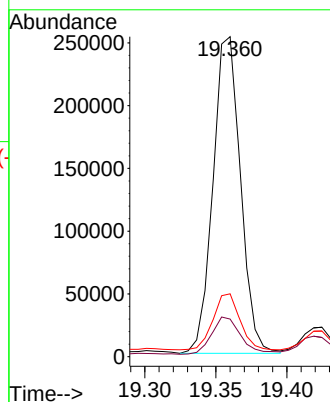
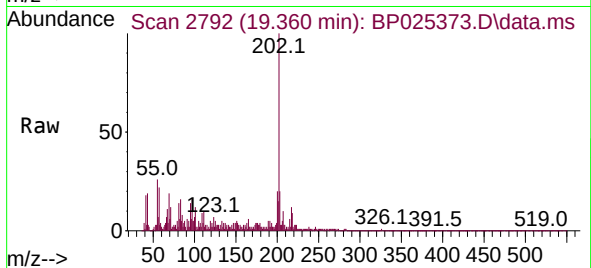
Tgt Ion:	202	Resp:	339750
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	32.5
203	19.7	0.0	37.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#76

Chrysene-d12

Concen: 20.000 ng

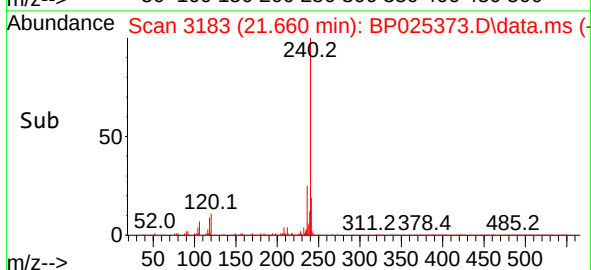
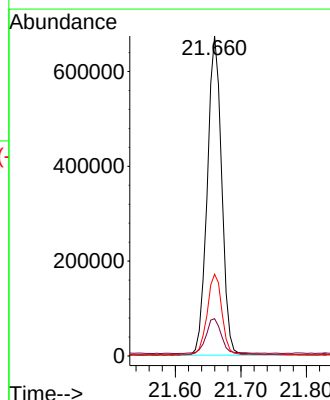
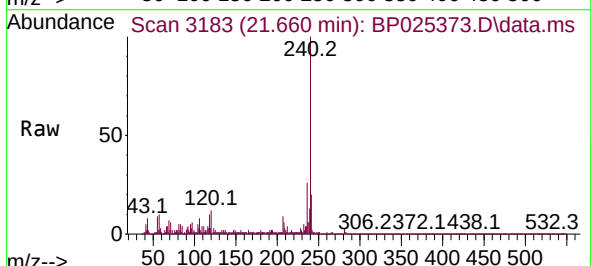
RT: 21.660 min Scan# 3183

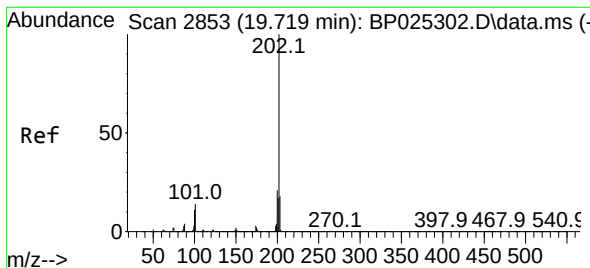
Delta R.T. -0.000 min

Lab File: BP025373.D

Acq: 12 Aug 2025 19:23

Tgt Ion:	240	Resp:	1031050
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.6	14.4
236	25.6	20.4	30.6





#78

Pyrene

Concen: 4.971 ng

RT: 19.719 min Scan# 2853

Delta R.T. -0.000 min

Lab File: BP025373.D

Acq: 12 Aug 2025 19:23

Instrument :

BNA_P

ClientSampleId :

TP-8

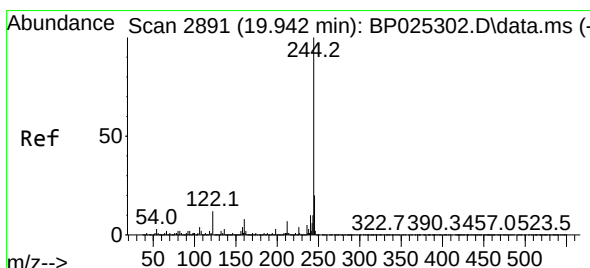
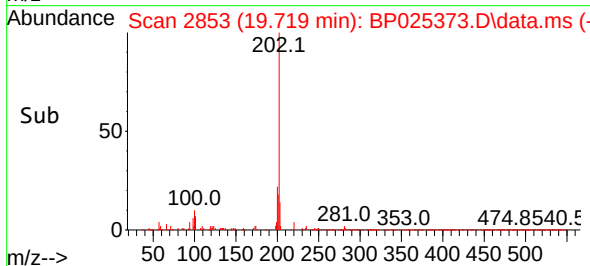
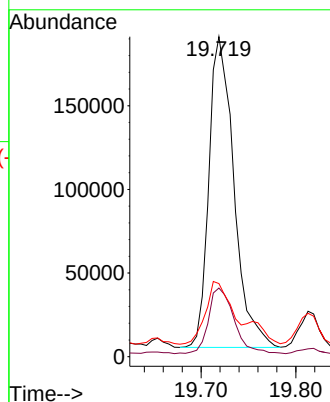
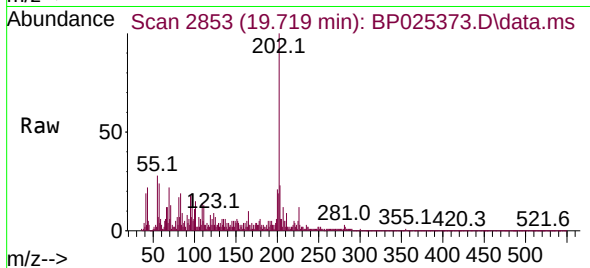
Tgt Ion:	202	Resp:	340810
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.7	25.1
203	22.9	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#79

Terphenyl-d14

Concen: 42.985 ng

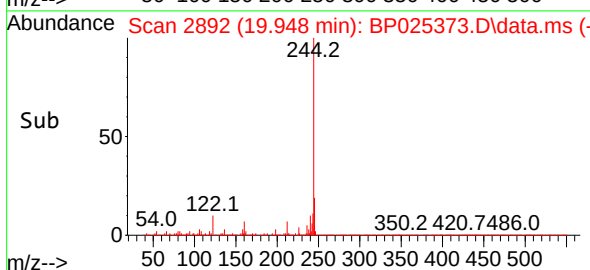
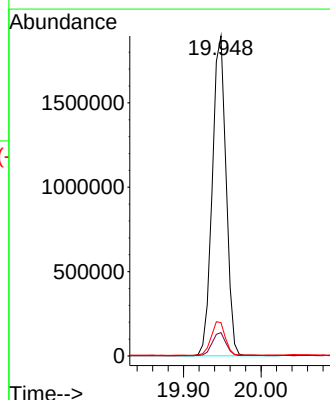
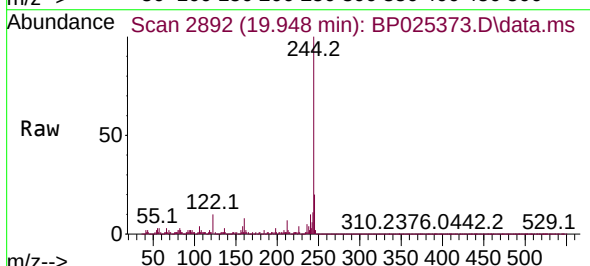
RT: 19.948 min Scan# 2892

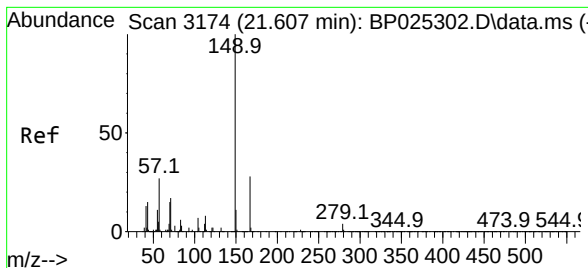
Delta R.T. 0.006 min

Lab File: BP025373.D

Acq: 12 Aug 2025 19:23

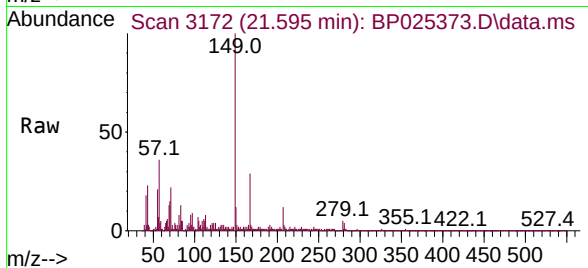
Tgt Ion:	244	Resp:	2346472
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.9	8.9
122	10.4	9.5	14.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 15.781 ng
RT: 21.595 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23

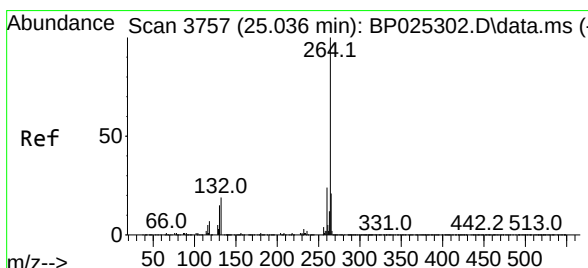
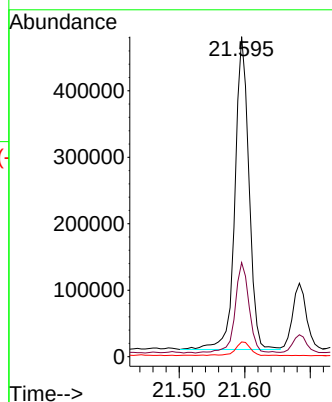
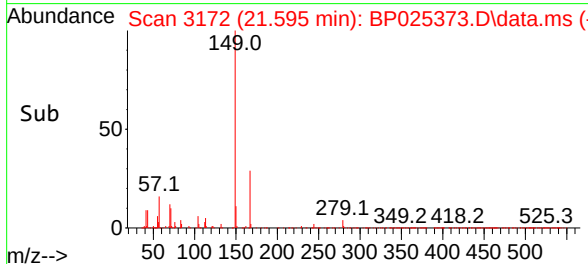
Instrument :
BNA_P
ClientSampleId :
TP-8



Tgt Ion:149 Resp: 70068
Ion Ratio Lower Upper
149 100
167 29.4 22.1 33.1
279 4.6 3.4 5.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.054 min Scan# 3760
Delta R.T. 0.018 min
Lab File: BP025373.D
Acq: 12 Aug 2025 19:23

Tgt Ion:264 Resp: 1224361
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.8 17.1 25.7

