

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
 Data File : BP025374.D
 Acq On : 12 Aug 2025 20:05
 Operator : CG/JU
 Sample : Q2827-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-9

Manual Integrations
 APPROVED

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

Quant Time: Aug 12 23:00:57 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	222858	20.000	ng	0.00
21) Naphthalene-d8	10.584	136	783797	20.000	ng	# 0.01
39) Acenaphthene-d10	14.431	164	427974	20.000	ng	0.01
64) Phenanthrene-d10	17.237	188	814320	20.000	ng	# 0.01
76) Chrysene-d12	21.672	240	949385	20.000	ng	0.01
86) Perylene-d12	25.071	264	1150083	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	397991	28.723	ng	0.00
7) Phenol-d6	6.978	99	579663	31.787	ng	0.01
23) Nitrobenzene-d5	8.943	82	457653	32.348	ng	0.00
42) 2,4,6-Tribromophenol	15.954	330	237684	55.670	ng	0.03
45) 2-Fluorobiphenyl	13.037	172	876132	28.276	ng	0.00
79) Terphenyl-d14	19.954	244	1302725	25.917	ng	0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.249	142	144536	5.488	ng	# 80
38) 1-Methylnaphthalene	12.466	142	168316	6.125	ng	# 81
52) Acenaphthene	14.501	154	665188	27.170	ng	94
55) Dibenzofuran	14.843	168	646453	17.670	ng	# 18
58) Fluorene	15.501	166	1308050	45.521	ng	# 88
71) Phenanthrene	17.284	178	5610693	125.797	ng	97
72) Anthracene	17.372	178	1349048m	29.998	ng	
75) Fluoranthene	19.378	202	4228458	81.897	ng	97
78) Pyrene	19.748	202	4343384	68.798	ng	98
81) Benzo(a)anthracene	21.654	228	1900086	30.117	ng	98
83) Chrysene	21.725	228	1718088	29.361	ng	97
84) Bis(2-ethylhexyl)phtha...	21.607	149	4624693	113.117	ng	98
85) Di-n-octyl phthalate	22.907	149	357374	5.222	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.930	276	1013321	12.293	ng	# 91
88) Benzo(b)fluoranthene	24.007	252	1966146	28.559	ng	97
89) Benzo(k)fluoranthene	24.066	252	755914m	11.076	ng	
90) Benzo(a)pyrene	24.919	252	1560393	23.535	ng	98
91) Dibenzo(a,h)anthracene	29.007	278	276139	4.090	ng	94
92) Benzo(g,h,i)perylene	30.148	276	960467	14.496	ng	99

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

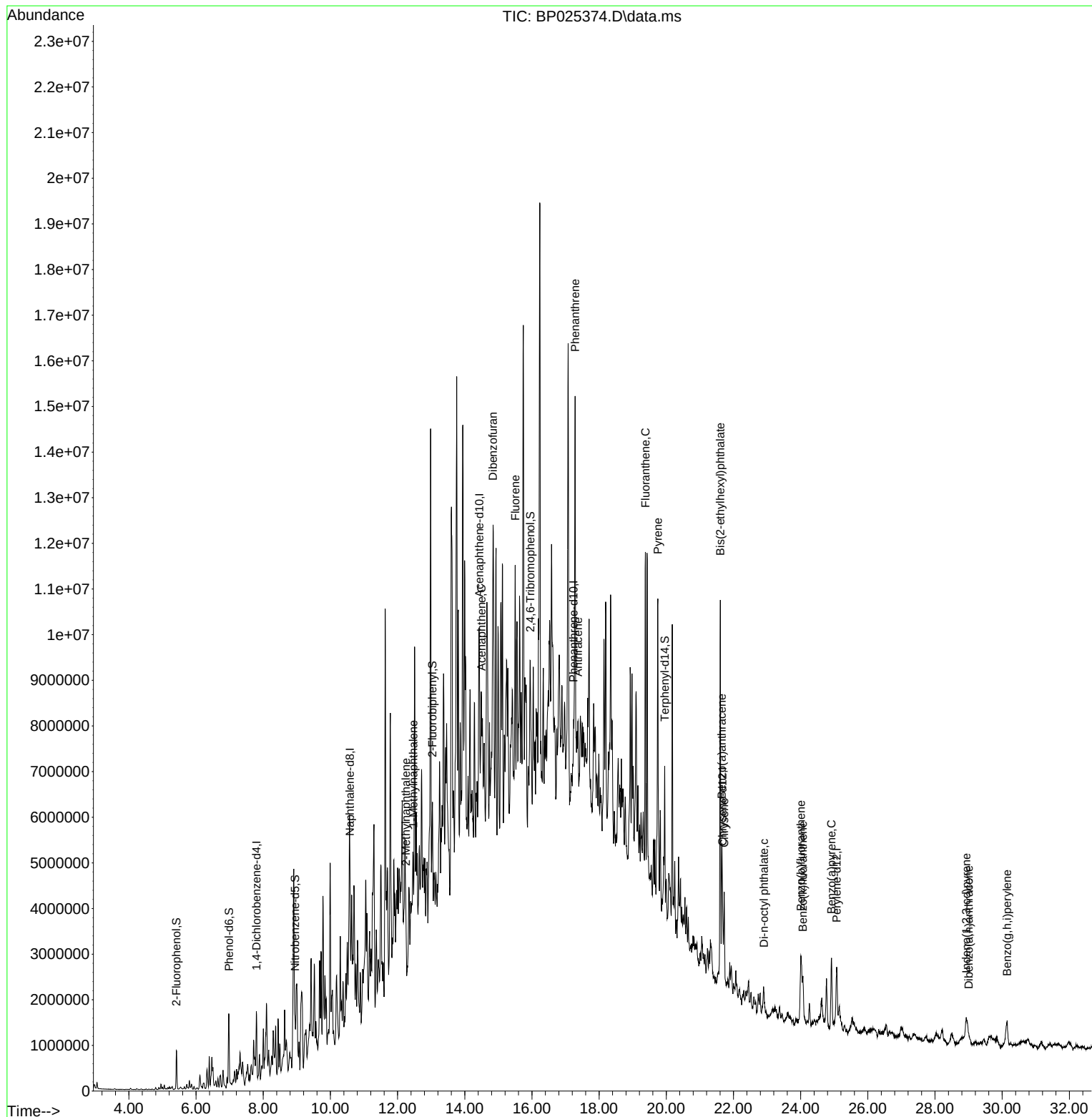
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025374.D
Acq On : 12 Aug 2025 20:05
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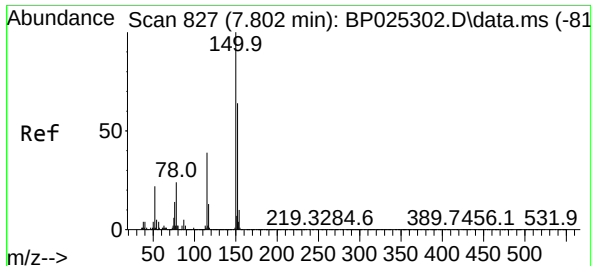
Instrument :
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Quant Time: Aug 12 23:00:57 2025
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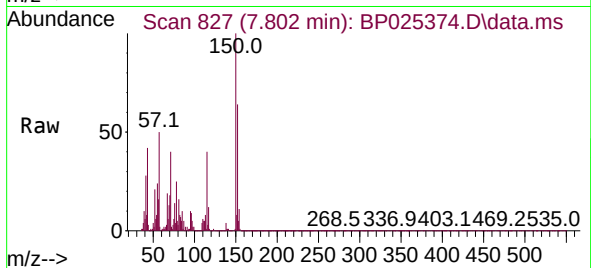
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

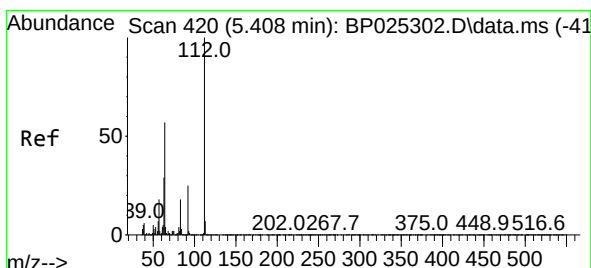
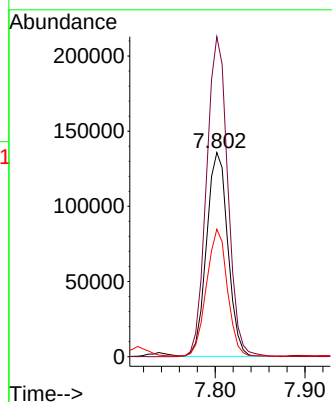
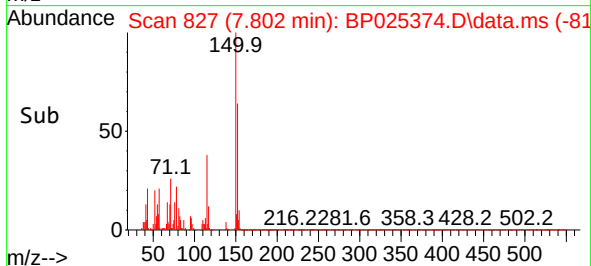
Instrument :
BNA_P
ClientSampleId :
TP-9



Tgt Ion:152 Resp: 222858
Ion Ratio Lower Upper
152 100
150 156.7 125.1 187.7
115 62.4 48.4 72.6

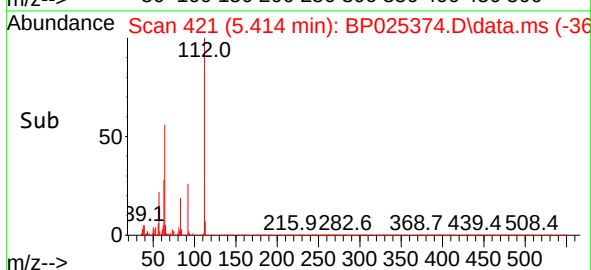
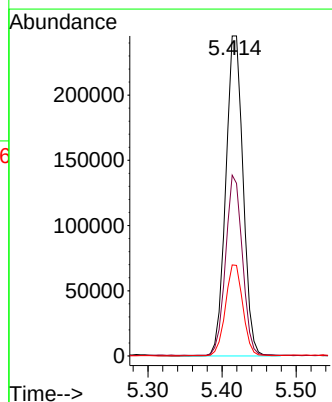
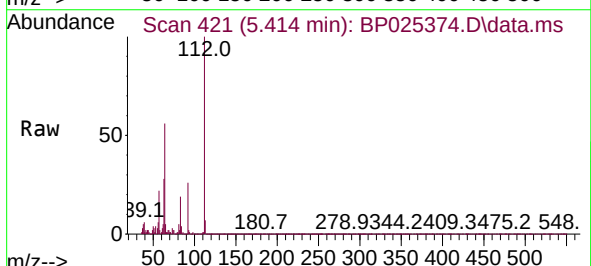
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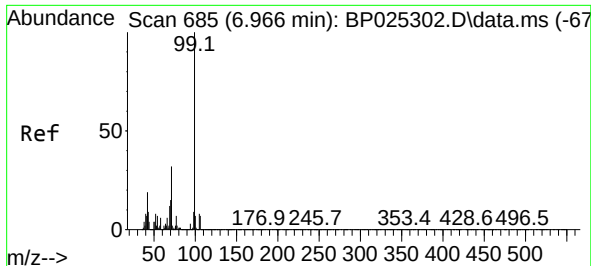
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#5
2-Fluorophenol
Concen: 28.723 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

Tgt Ion:112 Resp: 397991
Ion Ratio Lower Upper
112 100
64 56.5 45.3 67.9
63 28.5 23.0 34.6





#7

Phenol-d6

Concen: 31.787 ng

RT: 6.978 min Scan# 61

Delta R.T. 0.012 min

Lab File: BP025374.D

Acq: 12 Aug 2025 20:05

Instrument :

BNA_P

ClientSampleId :

TP-9

Tgt Ion: 99 Resp: 57966

Ion Ratio Lower Upper

99 100

42 19.2 15.0 22.6

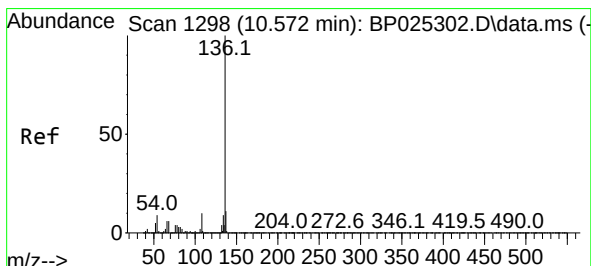
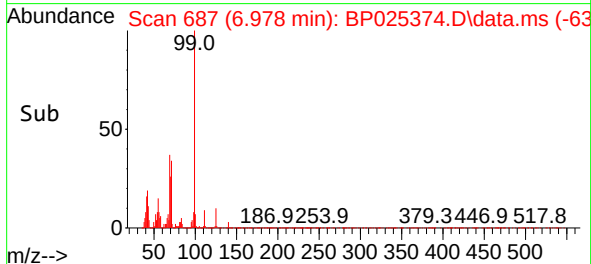
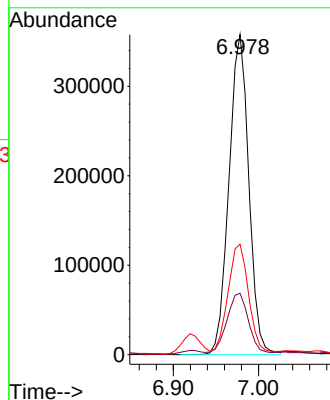
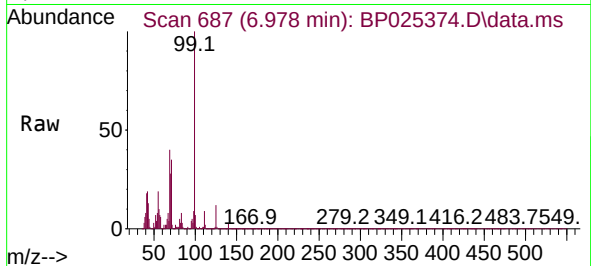
71 34.6 25.5 38.3

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.584 min Scan# 1300

Delta R.T. 0.012 min

Lab File: BP025374.D

Acq: 12 Aug 2025 20:05

Tgt Ion:136 Resp: 783797

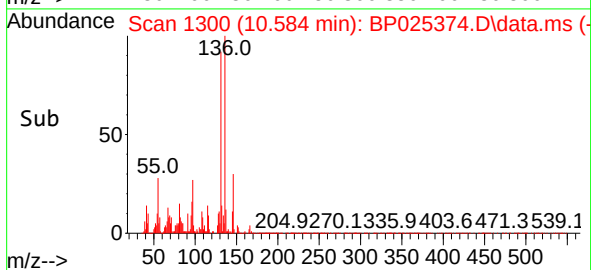
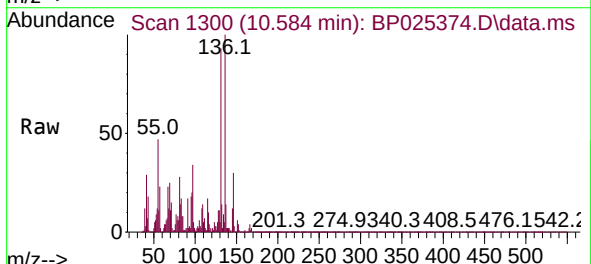
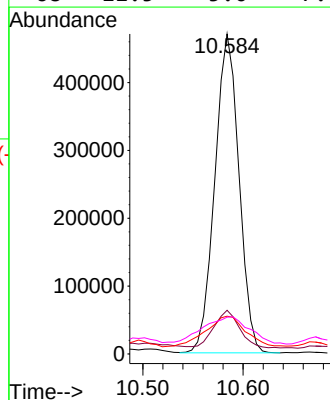
Ion Ratio Lower Upper

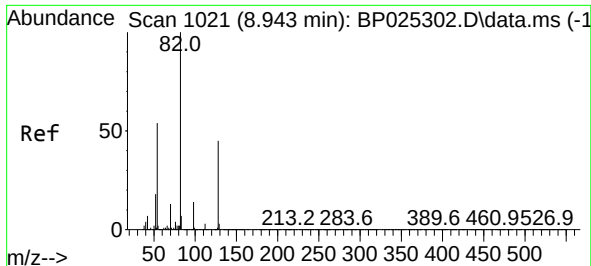
136 100

137 13.6 8.9 13.3#

54 11.8 7.0 10.6#

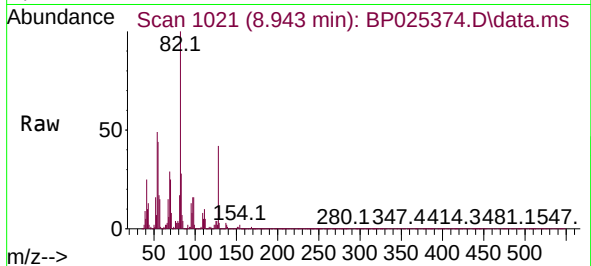
68 11.5 5.0 7.6#





#23
Nitrobenzene-d5
Concen: 32.348 ng
RT: 8.943 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

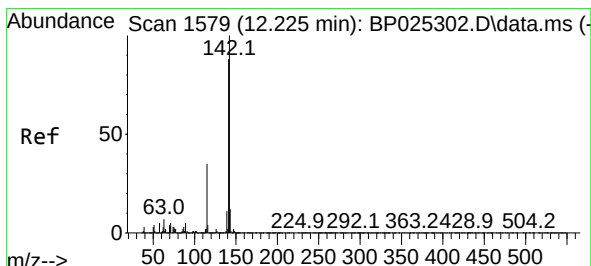
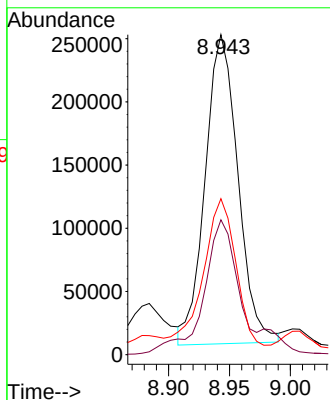
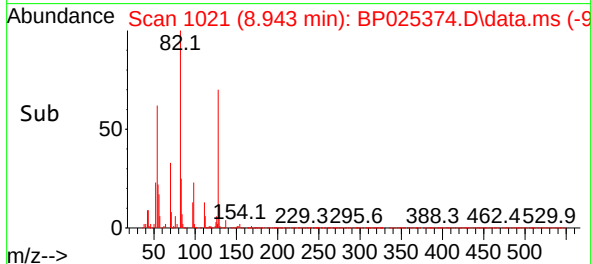
Instrument :
BNA_P
ClientSampleId :
TP-9



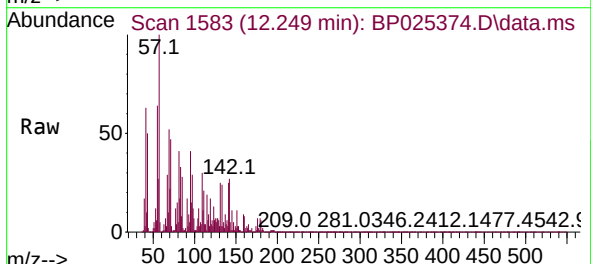
Tgt Ion: 82 Resp: 45765
Ion Ratio Lower Upper
82 100
128 42.2 35.4 53.2
54 48.8 42.9 64.3

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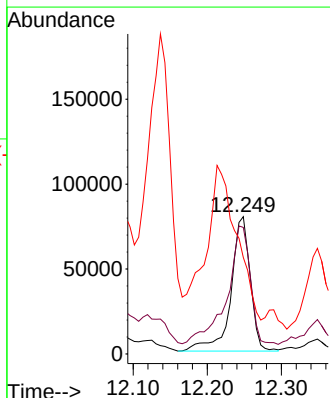
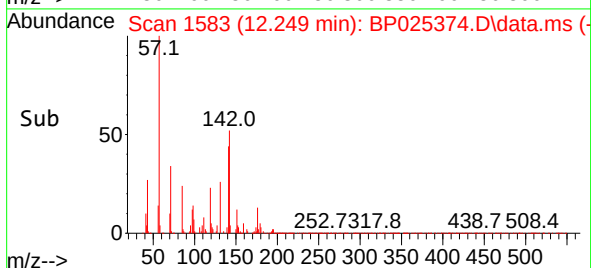
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

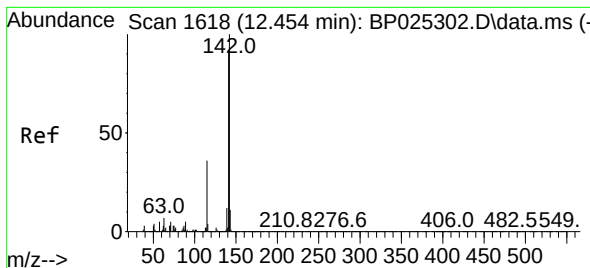


#37
2-Methylnaphthalene
Concen: 5.488 ng
RT: 12.249 min Scan# 1583
Delta R.T. 0.024 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05



Tgt Ion:142 Resp: 144536
Ion Ratio Lower Upper
142 100
141 92.2 70.4 105.6
115 70.2 28.0 42.0#





#38

1-Methylnaphthalene

Concen: 6.125 ng

RT: 12.466 min Scan# 1620

Delta R.T. 0.012 min

Lab File: BP025374.D

Acq: 12 Aug 2025 20:05

Instrument :

BNA_P

ClientSampleId :

TP-9

Tgt Ion:142 Resp: 168310

Ion Ratio Lower Upper

142 100

141 107.2 73.0 109.6

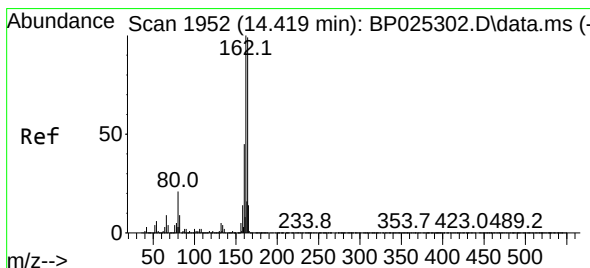
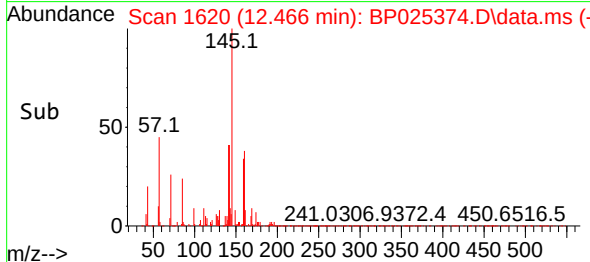
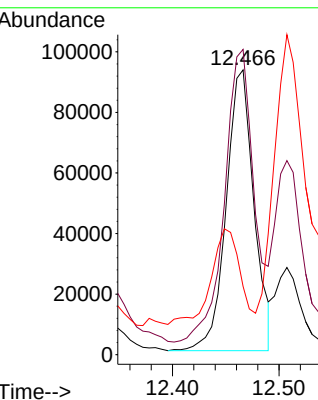
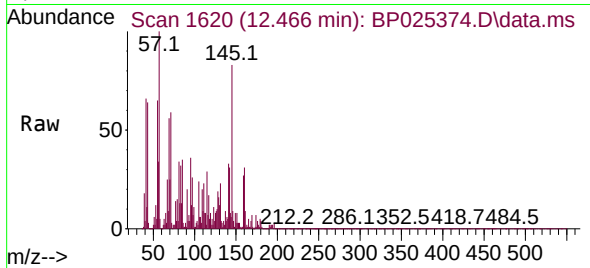
116 24.0 3.0 4.6

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Supervised By :Jagrut Upadhyay 08/13/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.431 min Scan# 1954

Delta R.T. 0.012 min

Lab File: BP025374.D

Acq: 12 Aug 2025 20:05

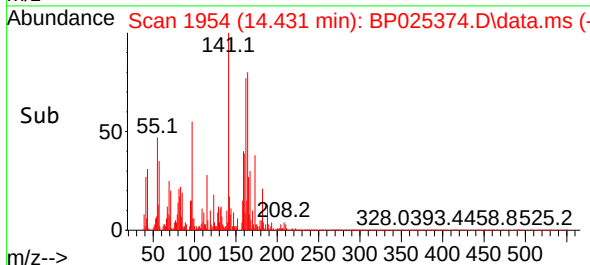
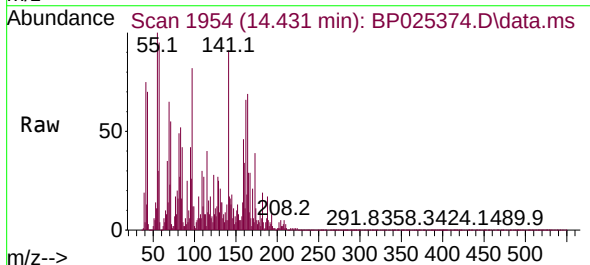
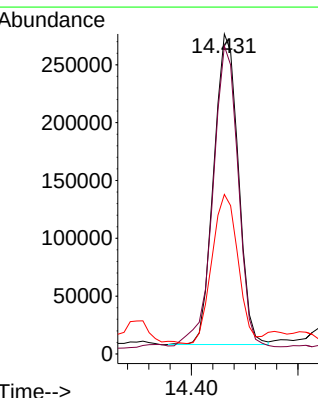
Tgt Ion:164 Resp: 427974

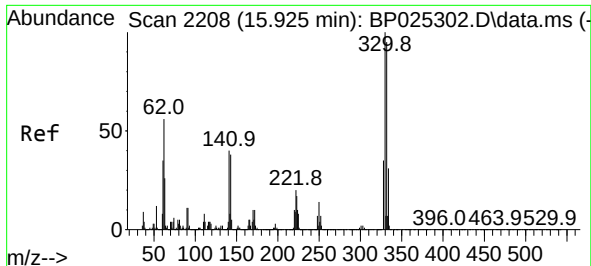
Ion Ratio Lower Upper

164 100

162 96.2 80.6 120.8

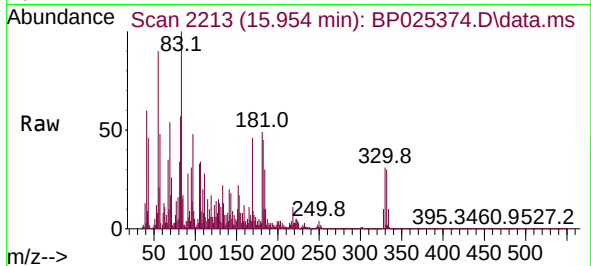
160 49.9 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 55.670 ng
RT: 15.954 min Scan# 21
Delta R.T. 0.029 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

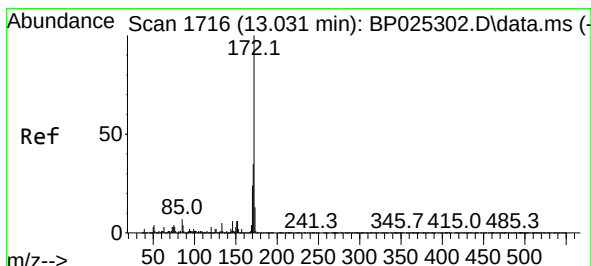
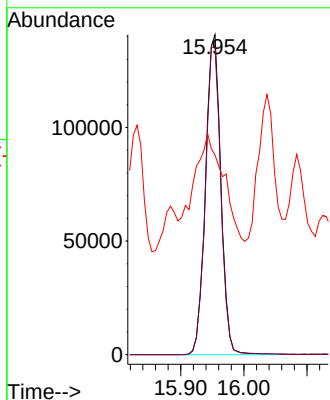
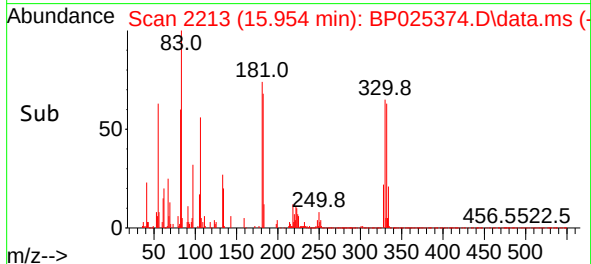
Instrument :
BNA_P
ClientSampleId :
TP-9



Tgt Ion:330 Resp: 237684
Ion Ratio Lower Upper
330 100
332 97.6 77.4 116.0
141 63.4 31.7 47.5

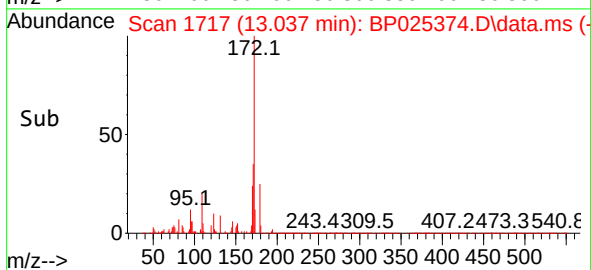
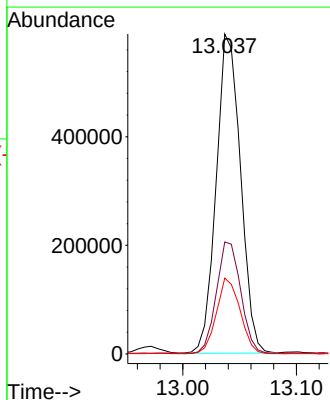
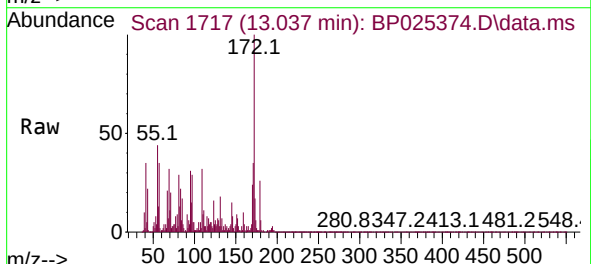
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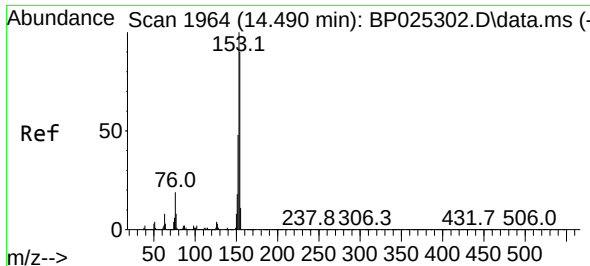
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#45
2-Fluorobiphenyl
Concen: 28.276 ng
RT: 13.037 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

Tgt Ion:172 Resp: 876132
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.7 18.9 28.3





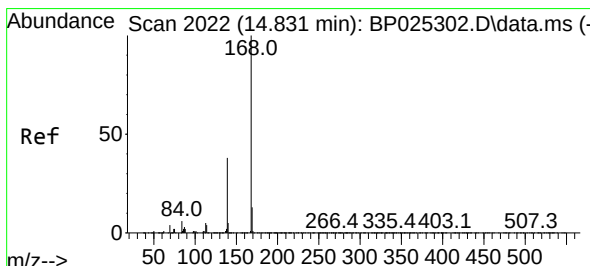
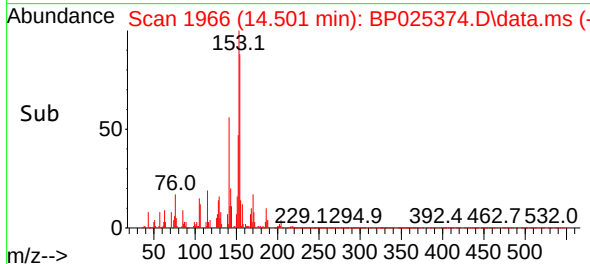
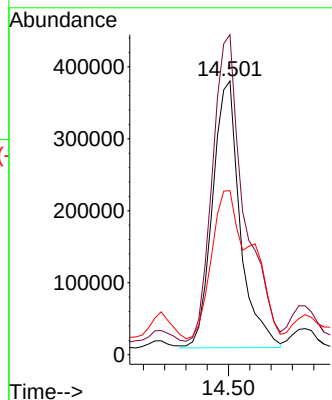
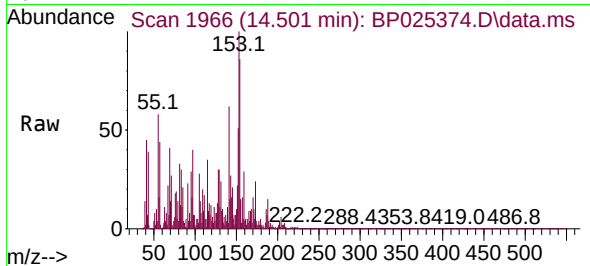
#52
Acenaphthene
Concen: 27.170 ng
RT: 14.501 min Scan# 1964
Delta R.T. 0.011 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:154 Resp: 665188
Ion Ratio Lower Upper
154 100
153 116.9 89.4 134.0
152 59.9 43.0 64.6

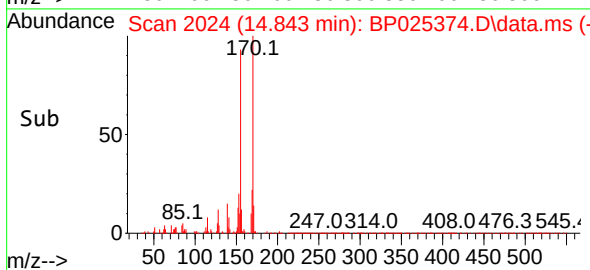
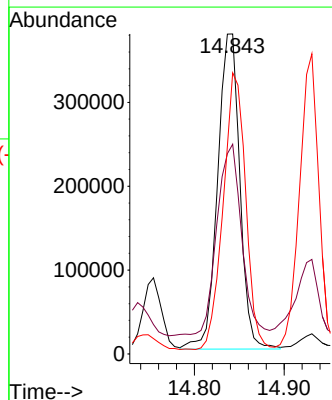
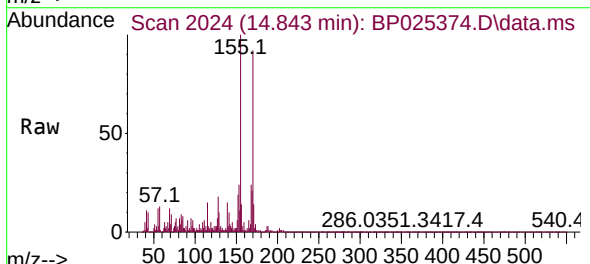
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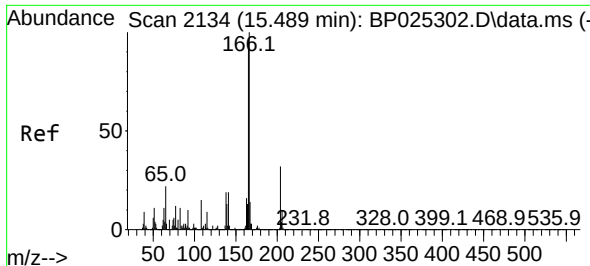
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#55
Dibenzofuran
Concen: 17.670 ng
RT: 14.843 min Scan# 2024
Delta R.T. 0.012 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

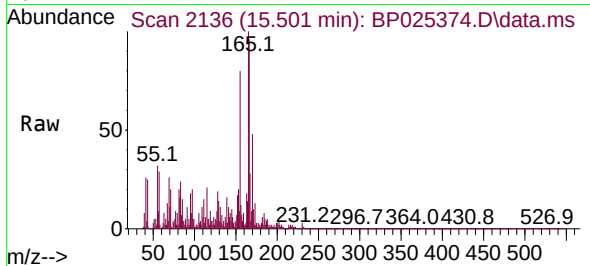
Tgt Ion:168 Resp: 646453
Ion Ratio Lower Upper
168 100
139 65.6 30.5 45.7#
169 87.9 10.6 15.8#





#58
Fluorene
Concen: 45.521 ng
RT: 15.501 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

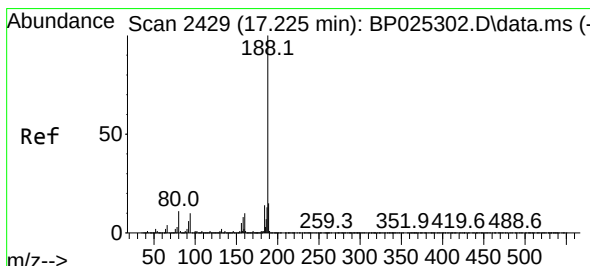
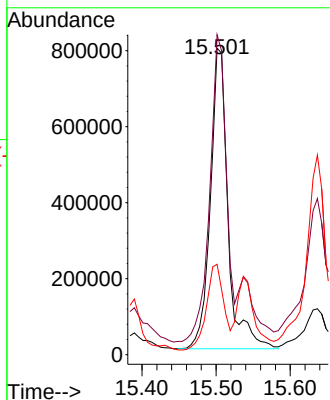
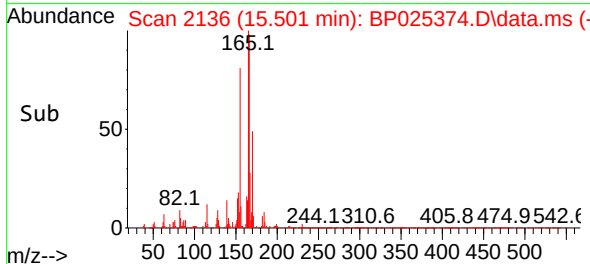
Instrument :
BNA_P
ClientSampleId :
TP-9



Tgt Ion:166 Resp: 1308050
Ion Ratio Lower Upper
166 100
165 104.4 76.7 115.1
167 29.5 10.9 16.3

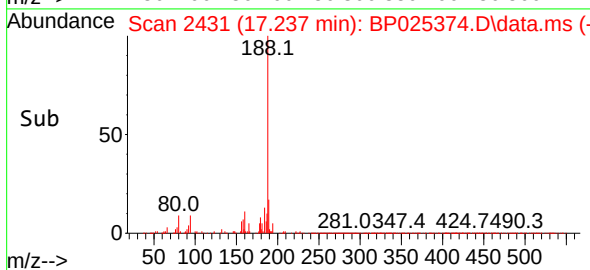
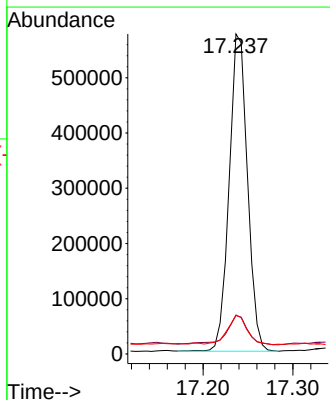
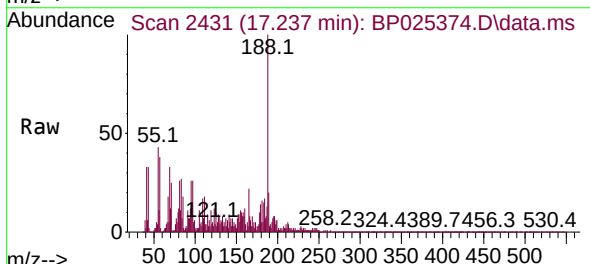
Manual Integrations
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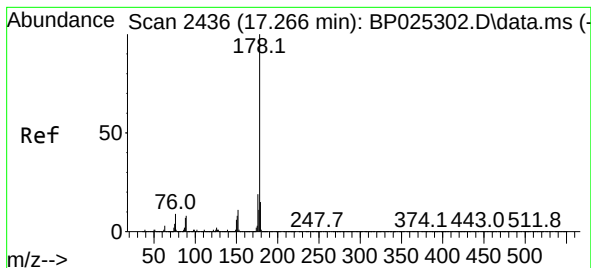
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.237 min Scan# 2431
Delta R.T. 0.012 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

Tgt Ion:188 Resp: 814320
Ion Ratio Lower Upper
188 100
94 12.0 8.0 12.0#
80 12.2 8.5 12.7





#71

Phenanthrene

Concen: 125.797 ng

RT: 17.284 min Scan# 2436

Delta R.T. 0.018 min

Lab File: BP025374.D

Acq: 12 Aug 2025 20:05

Instrument :

BNA_P

ClientSampleId :

TP-9

Tgt Ion:178 Resp: 561069

Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

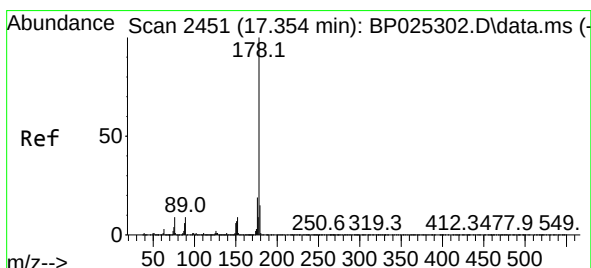
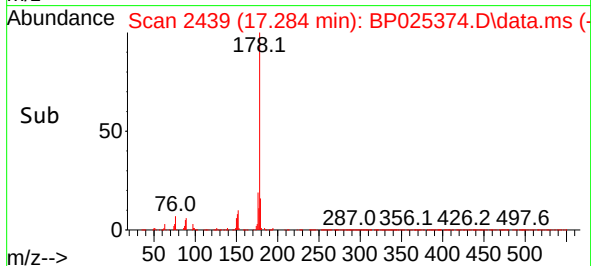
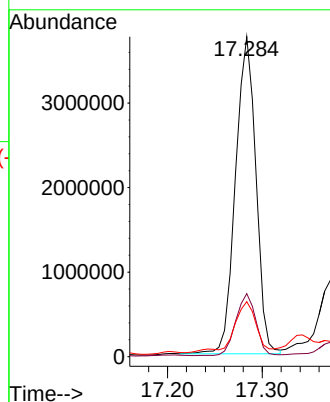
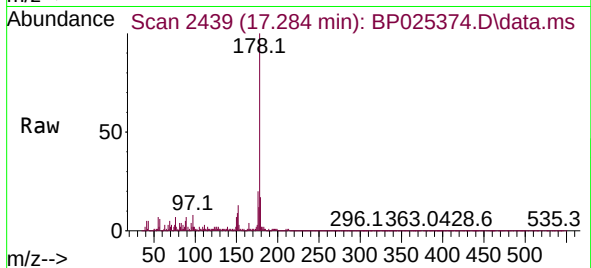
179 17.2 12.1 18.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#72

Anthracene

Concen: 29.998 ng m

RT: 17.372 min Scan# 2454

Delta R.T. 0.018 min

Lab File: BP025374.D

Acq: 12 Aug 2025 20:05

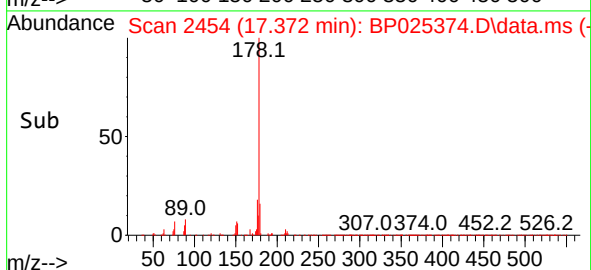
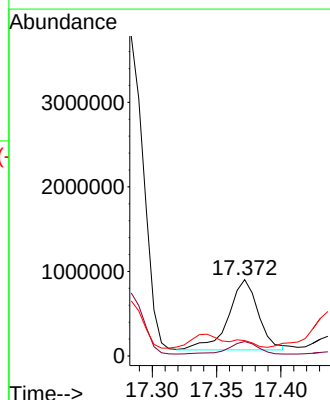
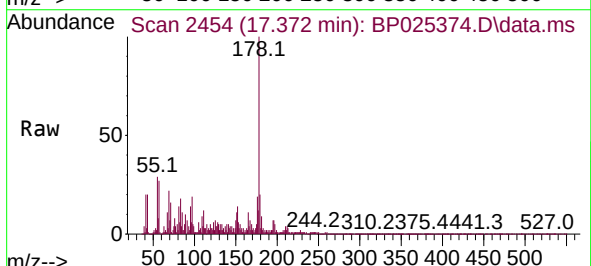
Tgt Ion:178 Resp: 1349048

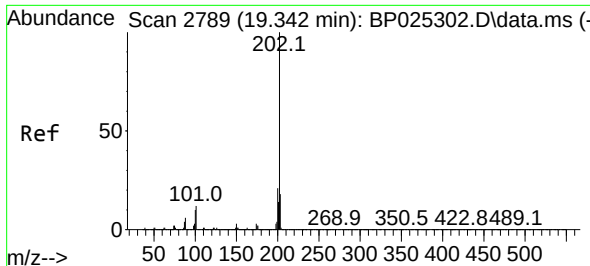
Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

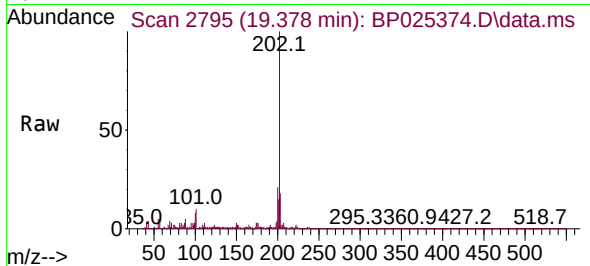
179 20.2 12.3 18.5#





#75
Fluoranthene
Concen: 81.897 ng
RT: 19.378 min Scan# 21
Delta R.T. 0.036 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

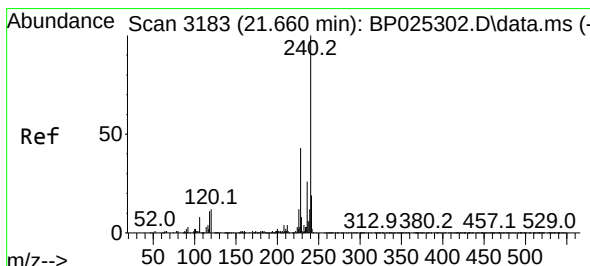
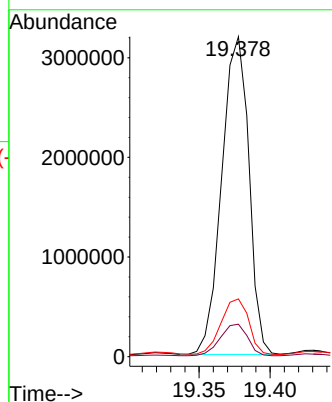
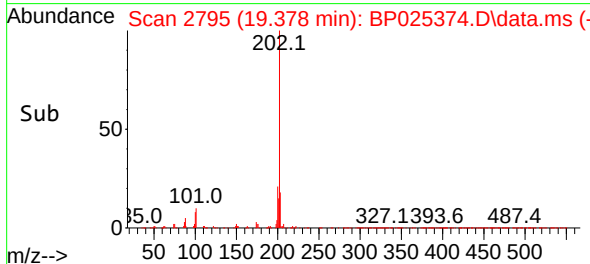
Instrument :
BNA_P
ClientSampleId :
TP-9



Tgt Ion:202 Resp: 422845
Ion Ratio Lower Upper
202 100
101 10.1 0.0 32.5
203 18.0 0.0 37.6

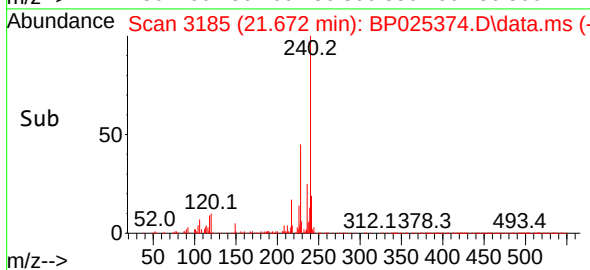
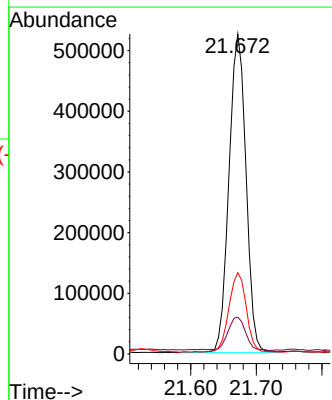
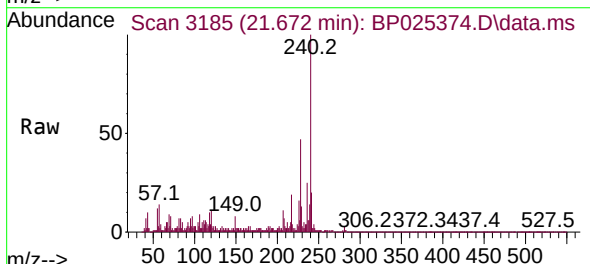
Manual Integrations
APPROVED

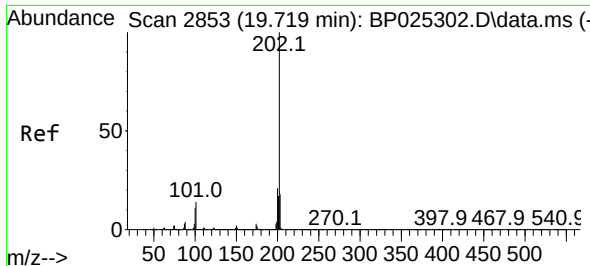
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

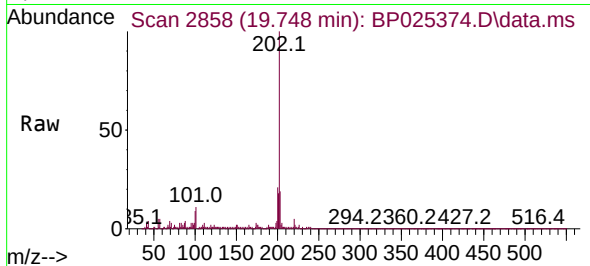
Tgt Ion:240 Resp: 949385
Ion Ratio Lower Upper
240 100
120 11.5 9.6 14.4
236 25.4 20.4 30.6





#78
Pyrene
Concen: 68.798 ng
RT: 19.748 min Scan# 2858
Delta R.T. 0.029 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

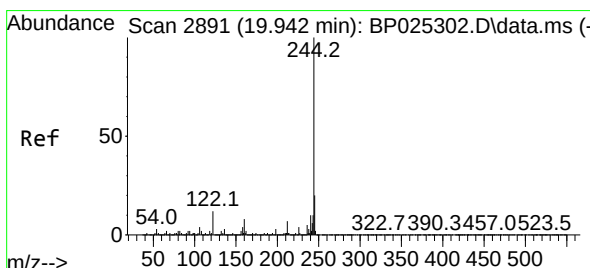
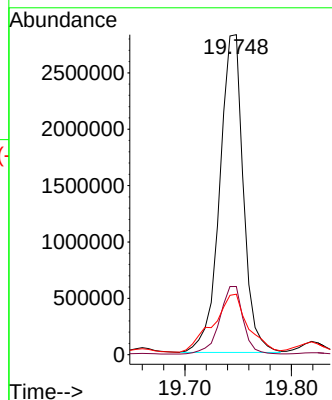
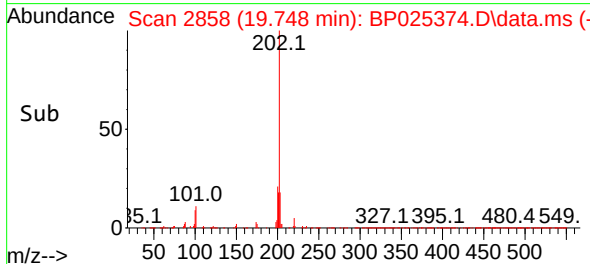
Instrument :
BNA_P
ClientSampleId :
TP-9



Tgt Ion:202 Resp: 4343384
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 18.9 14.1 21.1

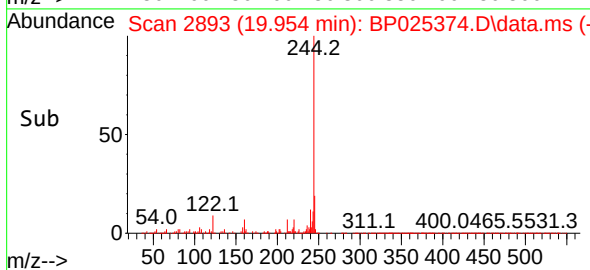
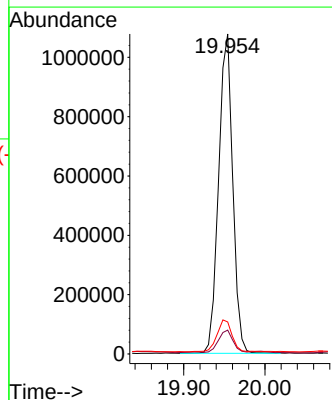
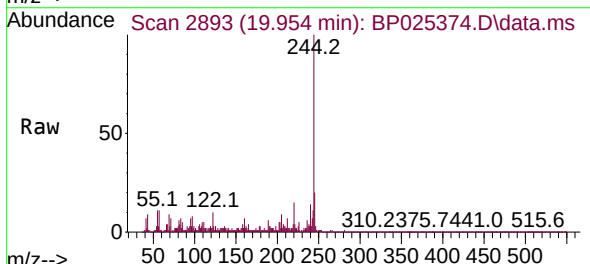
Manual Integrations
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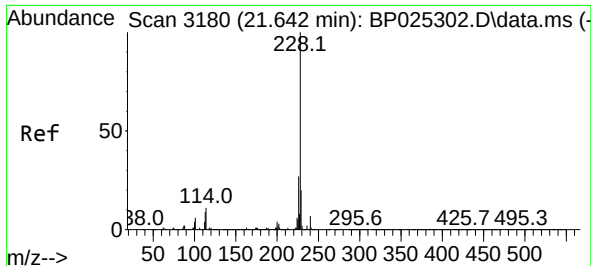
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#79
Terphenyl-d14
Concen: 25.917 ng
RT: 19.954 min Scan# 2893
Delta R.T. 0.012 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

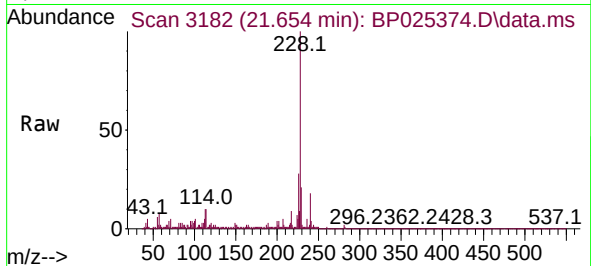
Tgt Ion:244 Resp: 1302725
Ion Ratio Lower Upper
244 100
212 7.4 5.9 8.9
122 10.0 9.5 14.3





#81
Benzo(a)anthracene
Concen: 30.117 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.012 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

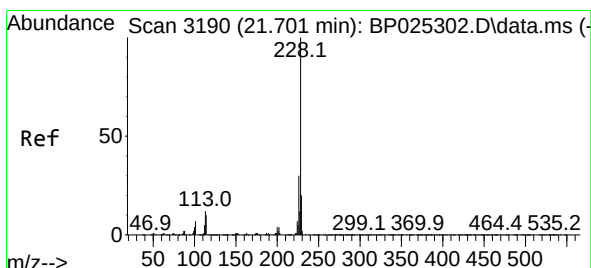
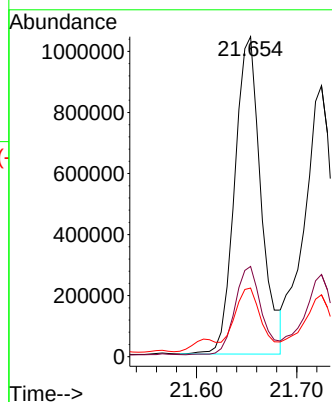
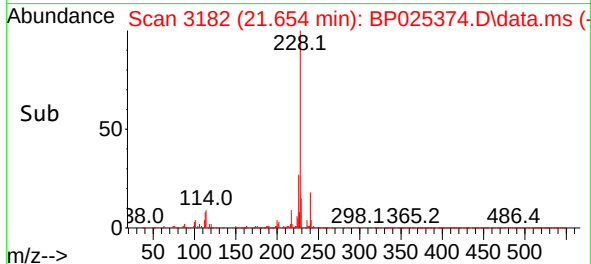
Instrument :
BNA_P
ClientSampleId :
TP-9



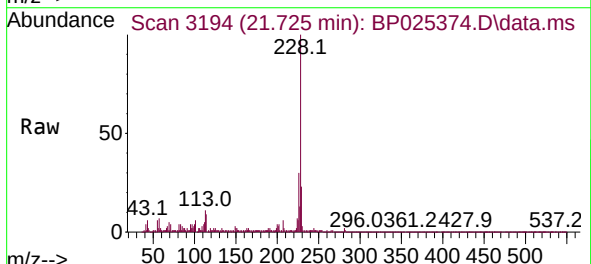
Tgt Ion:228 Resp: 1900080
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 21.4 16.0 24.0

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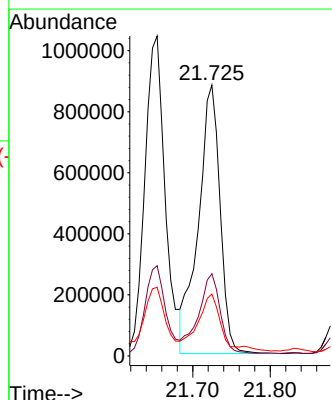
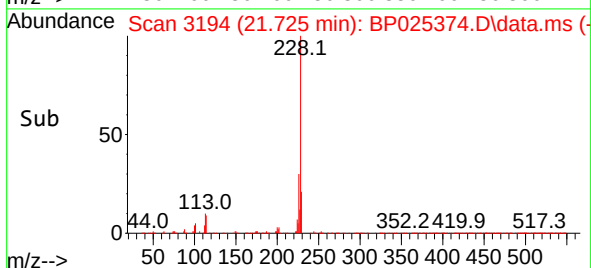
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

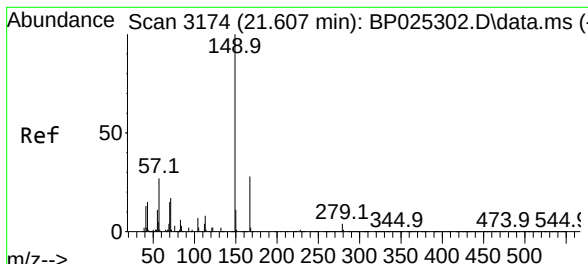


#83
Chrysene
Concen: 29.361 ng
RT: 21.725 min Scan# 3194
Delta R.T. 0.024 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05



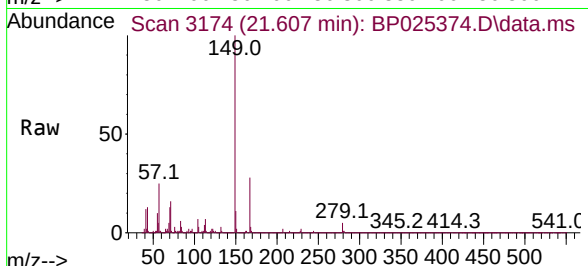
Tgt Ion:228 Resp: 1718088
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 22.9 15.9 23.9





#84
 Bis(2-ethylhexyl)phthalate
 Concen: 113.117 ng
 RT: 21.607 min Scan# 3174
 Delta R.T. -0.000 min
 Lab File: BP025374.D
 Acq: 12 Aug 2025 20:05

Instrument :
 BNA_P
 ClientSampleId :
 TP-9

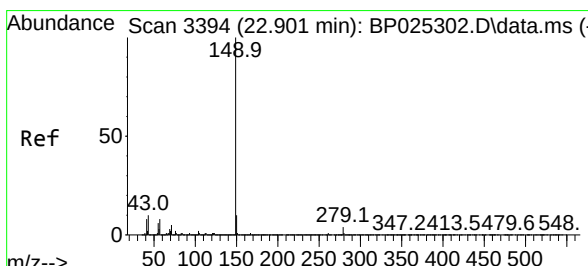
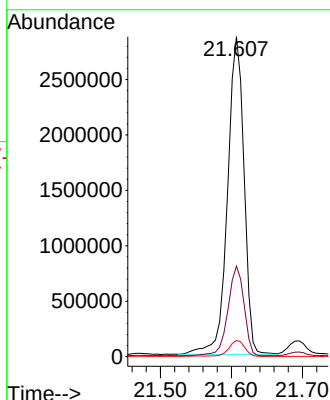
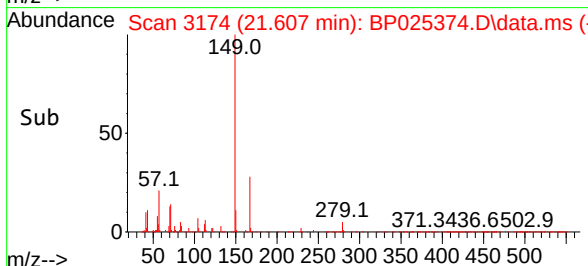


Tgt Ion:149 Resp: 462469

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.1	33.1
279	5.0	3.4	5.2

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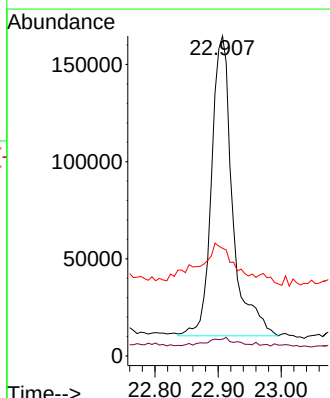
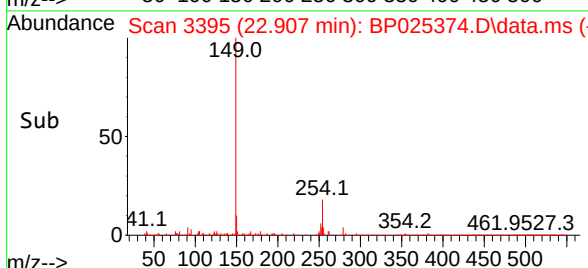
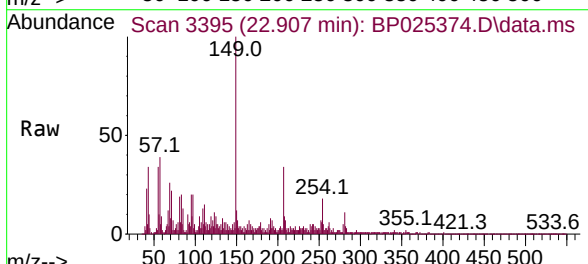
Reviewed By :Rahul Chavli 08/13/2025
 Supervised By :Jagrut Upadhyay 08/13/2025

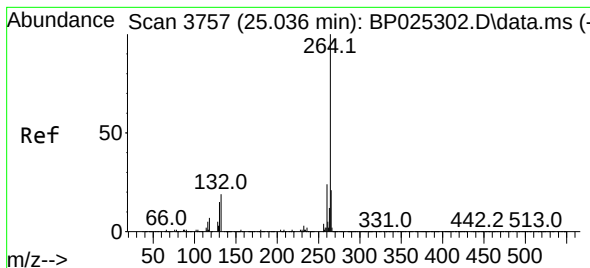


#85
 Di-n-octyl phthalate
 Concen: 5.222 ng
 RT: 22.907 min Scan# 3395
 Delta R.T. 0.006 min
 Lab File: BP025374.D
 Acq: 12 Aug 2025 20:05

Tgt Ion:149 Resp: 357374

Ion	Ratio	Lower	Upper
149	100		
167	3.2	1.3	1.9#
43	12.4	7.9	11.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.071 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP025374.D

Acq: 12 Aug 2025 20:05

Instrument :

BNA_P

ClientSampleId :

TP-9

Tgt Ion:264 Resp: 115008

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

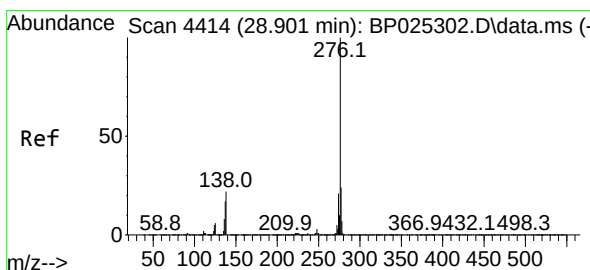
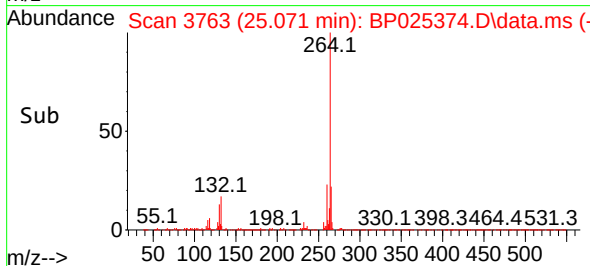
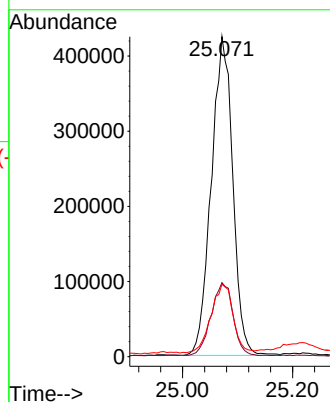
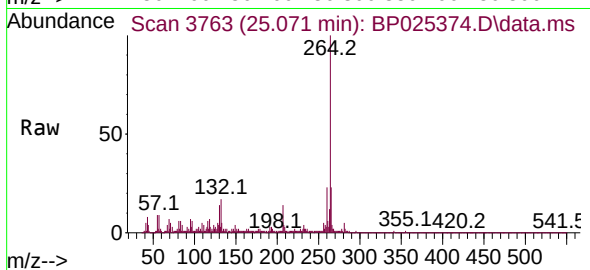
265 22.6 17.1 25.7

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.293 ng

RT: 28.930 min Scan# 4419

Delta R.T. 0.029 min

Lab File: BP025374.D

Acq: 12 Aug 2025 20:05

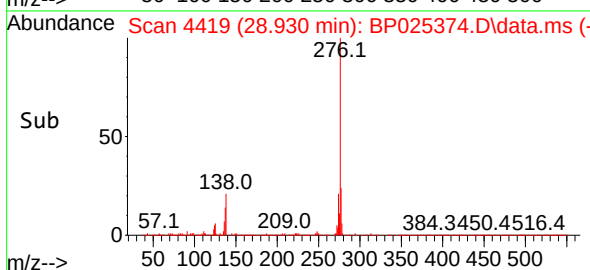
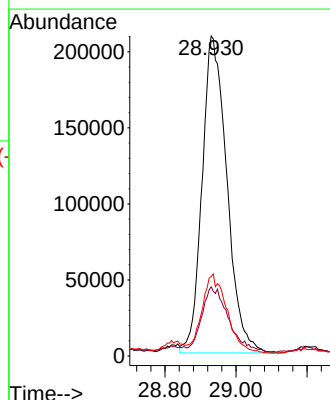
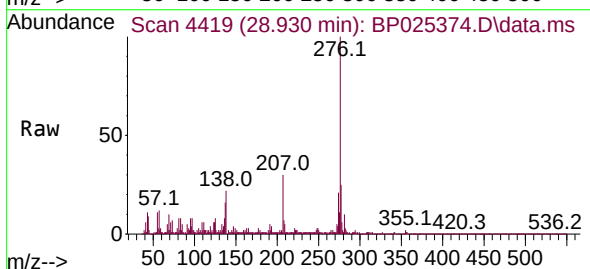
Tgt Ion:276 Resp: 1013321

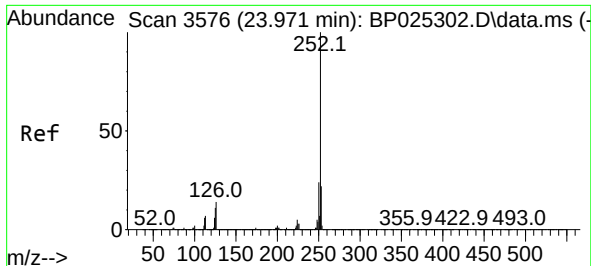
Ion Ratio Lower Upper

276 100

138 21.9 14.6 22.0

277 25.4 16.8 25.2#





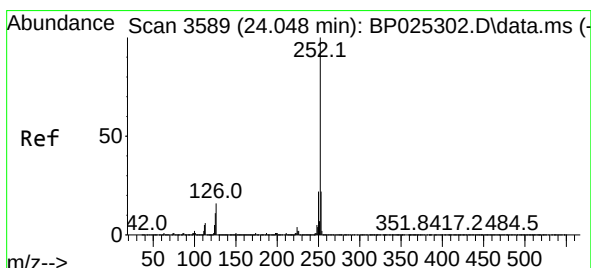
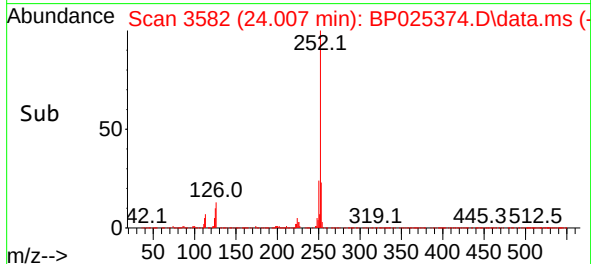
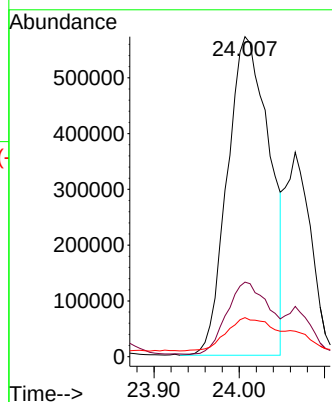
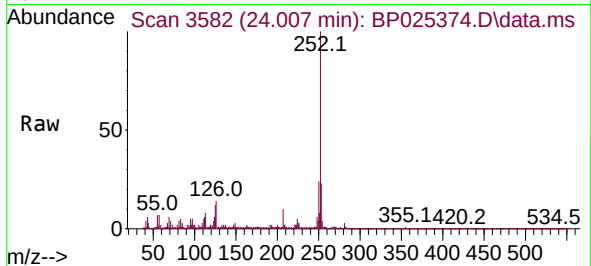
#88
Benzo(b)fluoranthene
Concen: 28.559 ng
RT: 24.007 min Scan# 3582
Delta R.T. 0.036 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:252 Resp: 196614
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 12.2 8.5 12.7

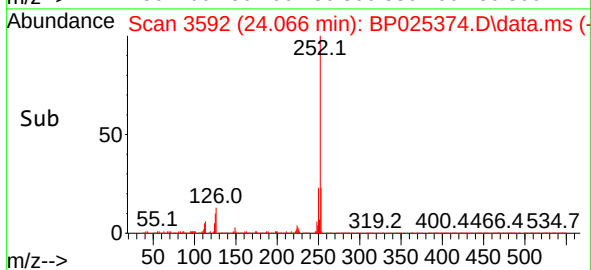
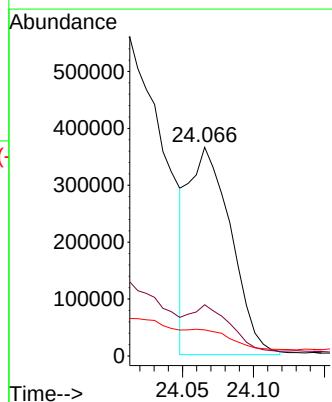
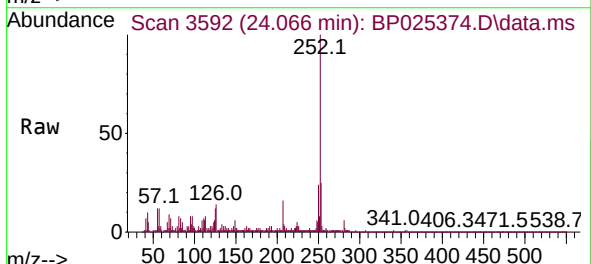
Manual Integrations
APPROVED

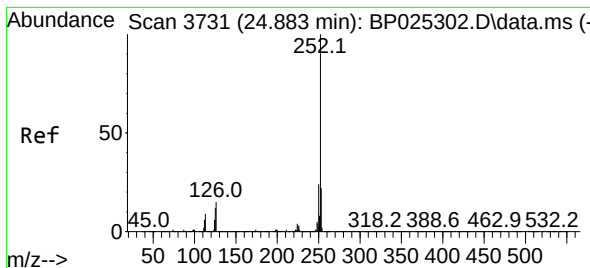
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#89
Benzo(k)fluoranthene
Concen: 11.076 ng m
RT: 24.066 min Scan# 3592
Delta R.T. 0.018 min
Lab File: BP025374.D
Acq: 12 Aug 2025 20:05

Tgt Ion:252 Resp: 755914
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 12.5 8.5 12.7





#90

Benzo(a)pyrene

Concen: 23.535 ng

RT: 24.919 min Scan# 31

Delta R.T. 0.036 min

Lab File: BP025374.D

Acq: 12 Aug 2025 20:05

Instrument :

BNA_P

ClientSampleId :

TP-9

Tgt Ion:252 Resp: 156039

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

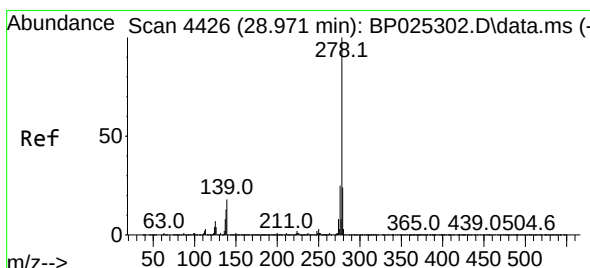
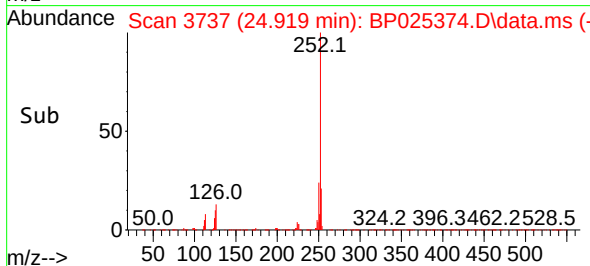
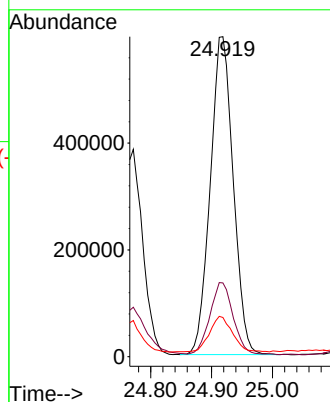
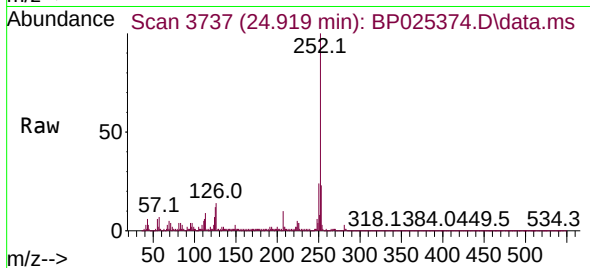
125 12.3 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#91

Dibenzo(a,h)anthracene

Concen: 4.090 ng

RT: 29.007 min Scan# 4432

Delta R.T. 0.036 min

Lab File: BP025374.D

Acq: 12 Aug 2025 20:05

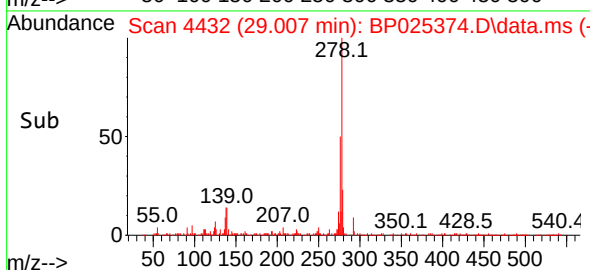
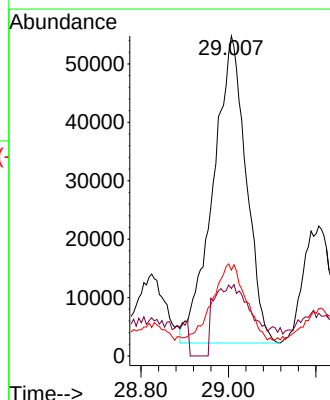
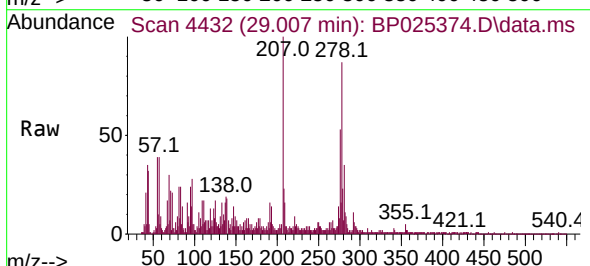
Tgt Ion:278 Resp: 276139

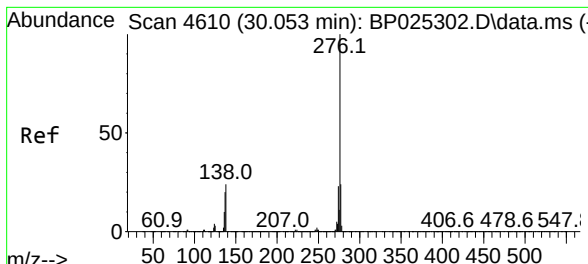
Ion Ratio Lower Upper

278 100

139 21.1 14.6 22.0

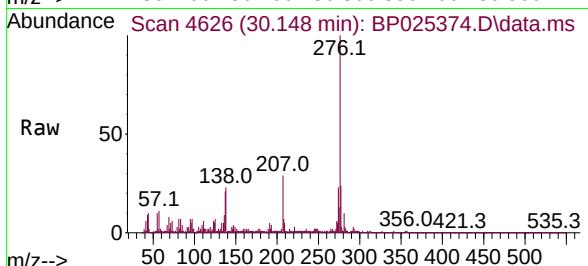
279 26.8 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 14.496 ng
 RT: 30.148 min Scan# 4610
 Delta R.T. 0.095 min
 Lab File: BP025374.D
 Acq: 12 Aug 2025 20:05

Instrument :
 BNA_P
 ClientSampleId :
 TP-9



Tgt Ion:	276	Resp:	96046
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.3	28.9
138	23.1	19.1	28.7

Manual Integrations
 APPROVED

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

