

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100125\
 Data File : BP025904.D
 Acq On : 01 Oct 2025 17:11
 Operator : CG/JU
 Sample : Q3253-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ARS20-0009

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 01 17:32:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	211949	20.000	ng	-0.02
21) Naphthalene-d8	10.508	136	820877	20.000	ng	-0.02
39) Acenaphthene-d10	14.360	164	495986	20.000	ng	-0.02
64) Phenanthrene-d10	17.166	188	837300	20.000	ng	#-0.02
76) Chrysene-d12	21.601	240	927143	20.000	ng	-0.04
86) Perylene-d12	24.954	264	1046268	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1122408	85.448	ng	0.02
7) Phenol-d6	6.972	99	1481606	84.859	ng	0.02
23) Nitrobenzene-d5	8.884	82	908810	48.836	ng	-0.02
42) 2,4,6-Tribromophenol	15.884	330	517164	83.596	ng	-0.02
45) 2-Fluorobiphenyl	12.966	172	1979425	53.139	ng	-0.02
79) Terphenyl-d14	19.883	244	2654289	51.503	ng	-0.03
Target Compounds						Qvalue
52) Acenaphthene	14.425	154	54820	2.001	ng	100
58) Fluorene	15.431	166	73358	2.067	ng	# 91
71) Phenanthrene	17.207	178	842319	17.734	ng	97
72) Anthracene	17.307	178	236344m	4.904	ng	
73) Carbazole	17.589	167	127293	2.841	ng	# 58
75) Fluoranthene	19.295	202	1205681	21.166	ng	97
78) Pyrene	19.672	202	1022417	16.527	ng	97
81) Benzo(a)anthracene	21.578	228	560664	8.833	ng	98
83) Chrysene	21.648	228	500631m	8.274	ng	
84) Bis(2-ethylhexyl)phtha...	21.507	149	2814486	70.921	ng	99
87) Indeno(1,2,3-cd)pyrene	28.765	276	210356	2.765	ng	# 82
88) Benzo(b)fluoranthene	23.901	252	569267	8.897	ng	# 97
89) Benzo(k)fluoranthene	23.960	252	187345m	2.869	ng	
90) Benzo(a)pyrene	24.789	252	388123	6.194	ng	98
92) Benzo(g,h,i)perylene	29.942	276	197492	3.225	ng	# 94

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

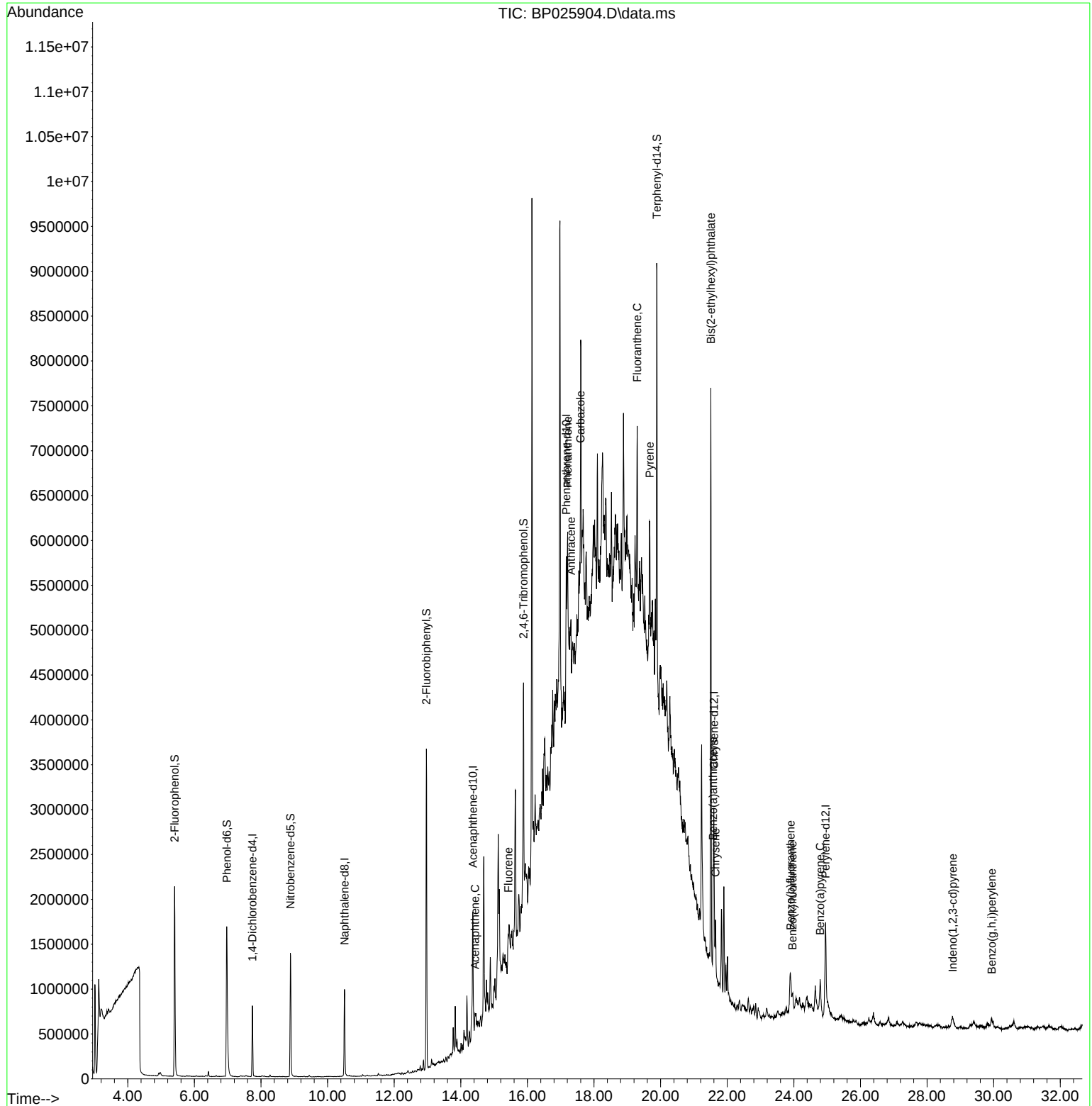
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100125\
Data File : BP025904.D
Acq On : 01 Oct 2025 17:11
Operator : CG/JU
Sample : Q3253-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

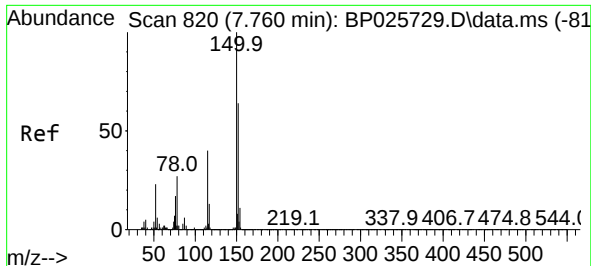
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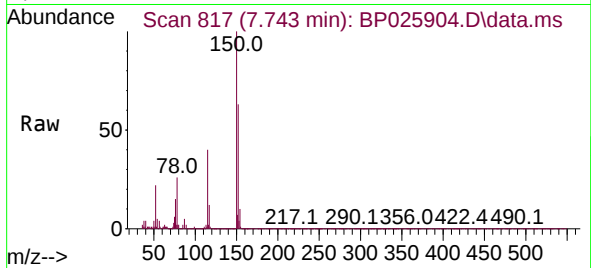
Quant Time: Oct 01 17:32:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 16:45:04 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

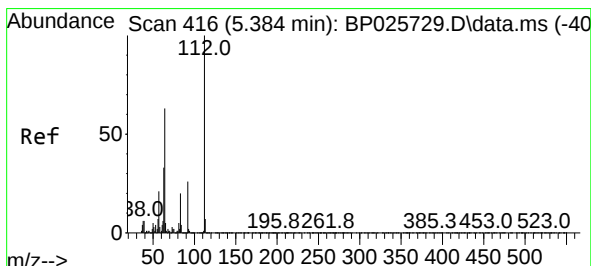
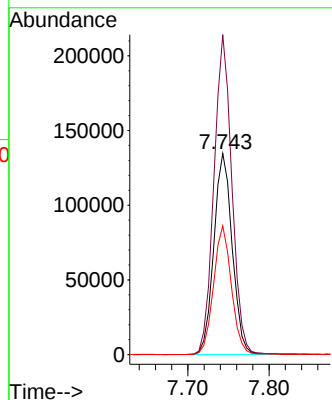
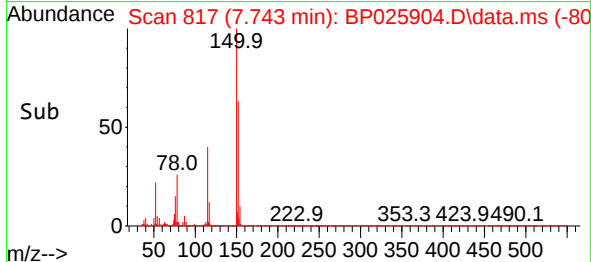
Instrument :
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ClientSampleId :
ARS20-0009



Tgt Ion:152 Resp: 211949
Ion Ratio Lower Upper
152 100
150 159.0 124.3 186.5
115 63.9 50.3 75.5

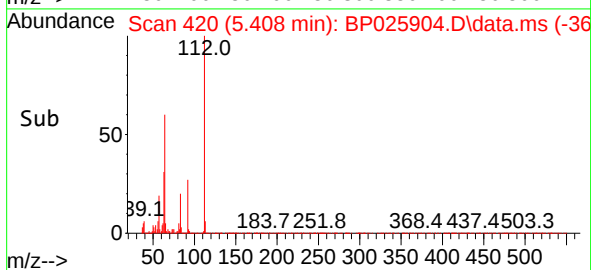
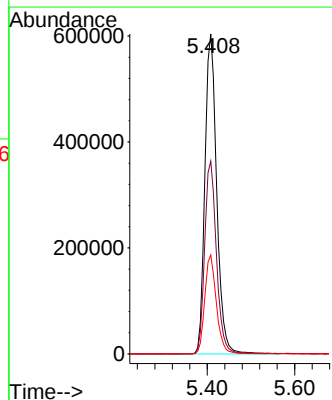
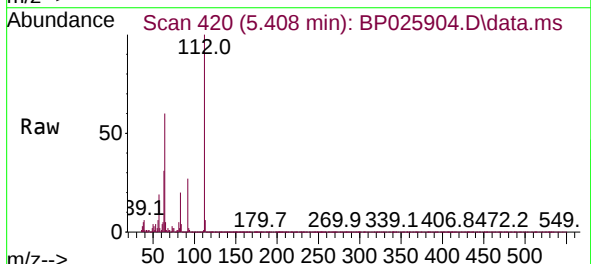
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#5
2-Fluorophenol
Concen: 85.448 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.024 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

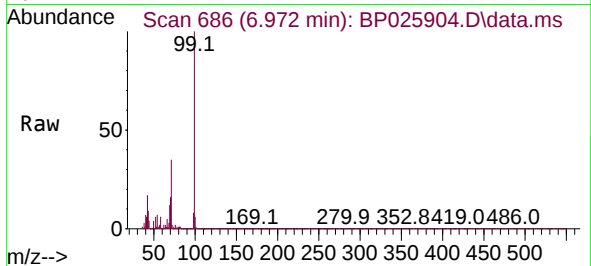
Tgt Ion:112 Resp: 1122408
Ion Ratio Lower Upper
112 100
64 60.2 50.2 75.4
63 30.9 26.7 40.1





#7
Phenol-d6
Concen: 84.859 ng
RT: 6.972 min Scan# 682
Delta R.T. 0.024 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

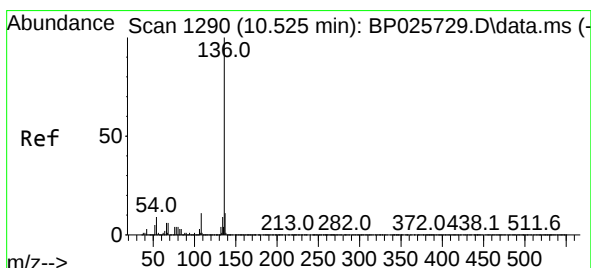
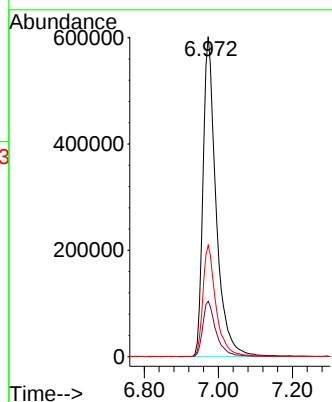
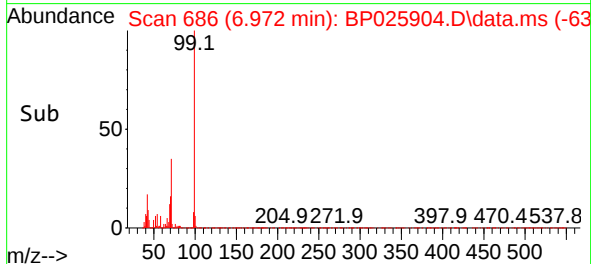
Instrument :
BNA_P
ClientSampleId :
ARS20-0009



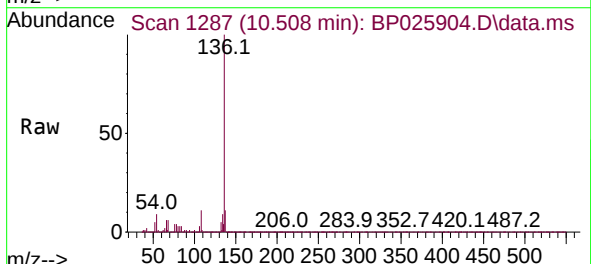
Tgt Ion: 99 Resp: 1481600
Ion Ratio Lower Upper
99 100
42 17.3 15.6 23.4
71 34.8 28.6 43.0

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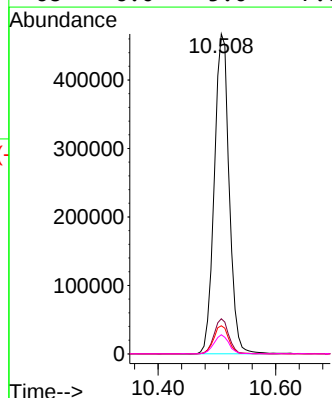
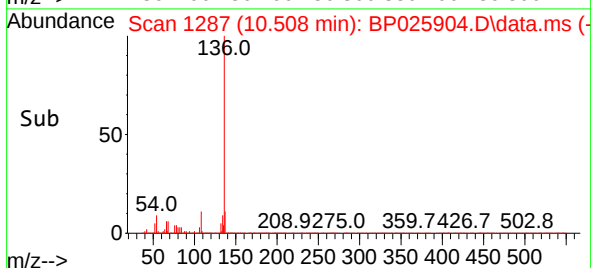
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

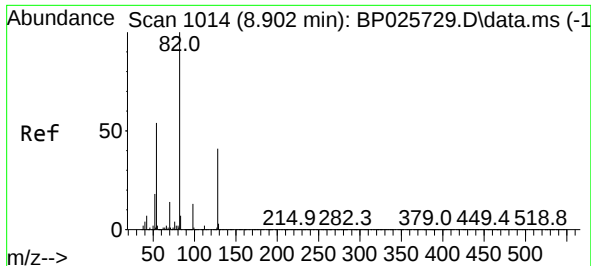


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.508 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11



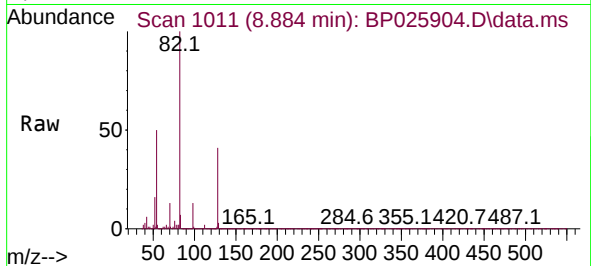
Tgt Ion:136 Resp: 820877
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.8 7.5 11.3
68 6.0 5.0 7.6





#23
Nitrobenzene-d5
Concen: 48.836 ng
RT: 8.884 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

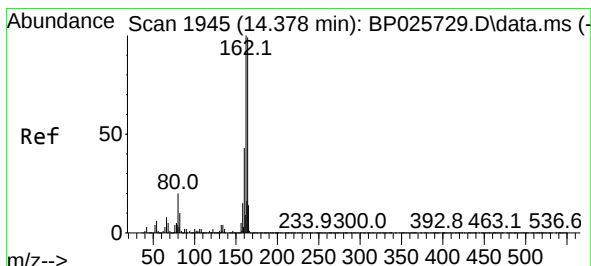
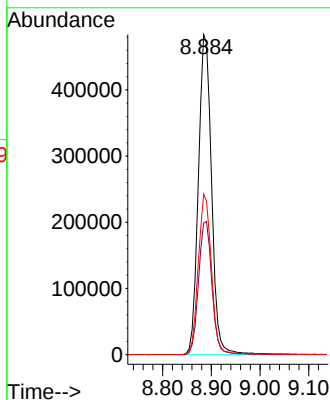
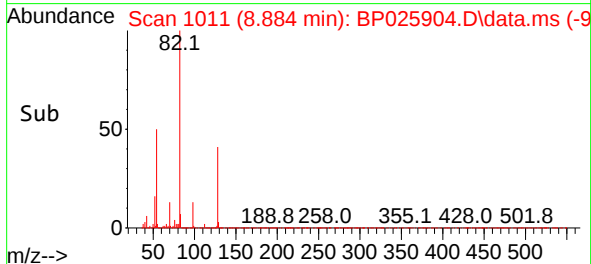
Instrument :
BNA_P
ClientSampleId :
ARS20-0009



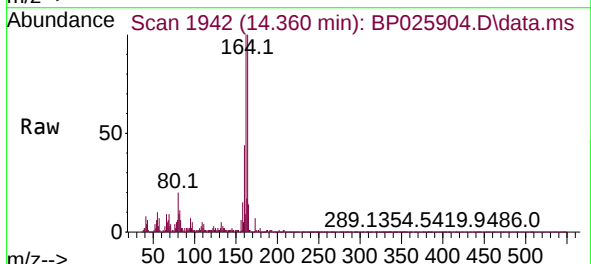
Tgt Ion: 82 Resp: 908810
Ion Ratio Lower Upper
82 100
128 41.1 32.9 49.3
54 50.2 43.4 65.2

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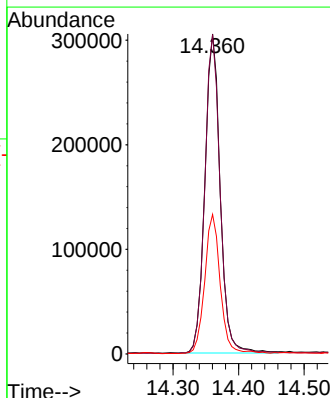
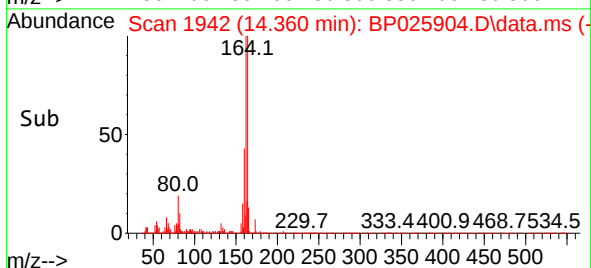
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

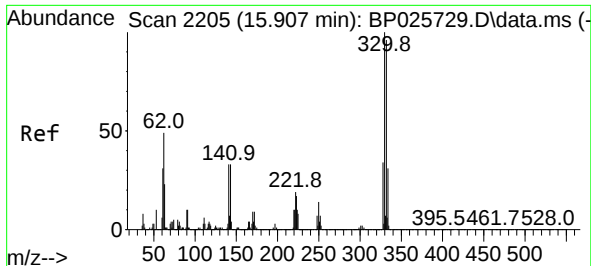


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.360 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11



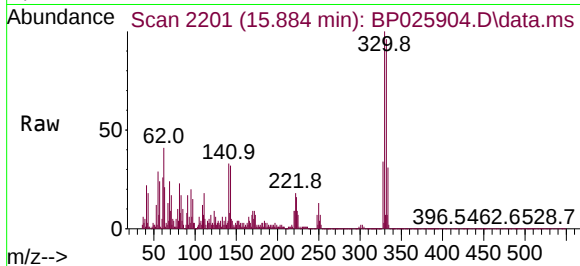
Tgt Ion:164 Resp: 495986
Ion Ratio Lower Upper
164 100
162 99.8 80.6 120.8
160 43.6 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 83.596 ng
RT: 15.884 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

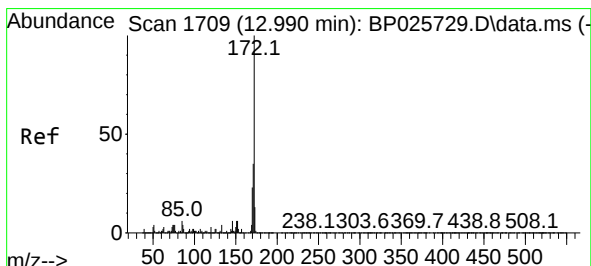
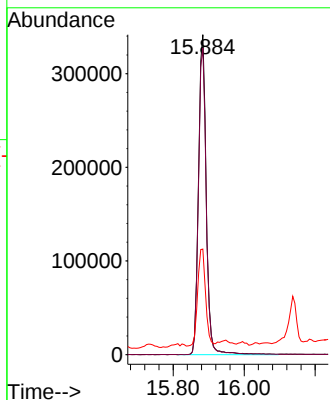
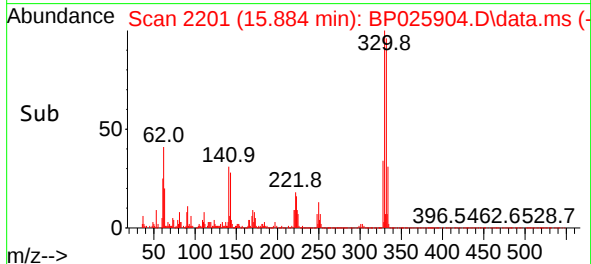
Instrument :
BNA_P
ClientSampleId :
ARS20-0009



Tgt Ion:330 Resp: 517164
Ion Ratio Lower Upper
330 100
332 95.4 76.9 115.3
141 31.2 31.0 46.4

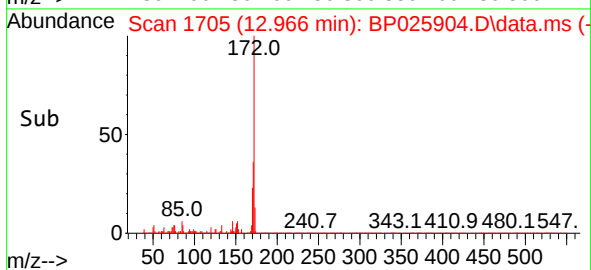
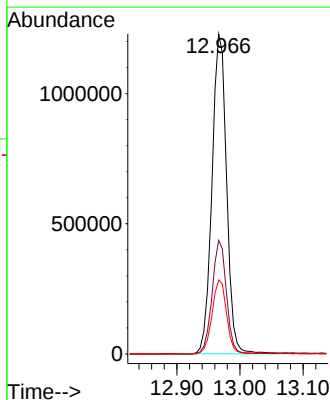
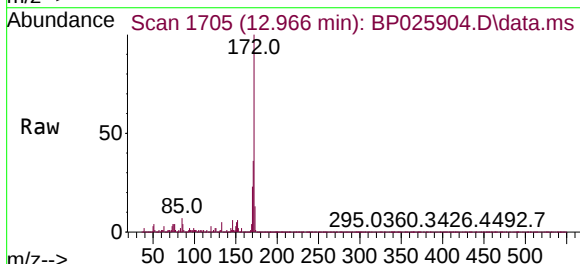
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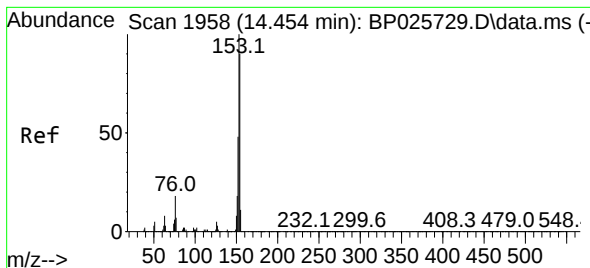
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#45
2-Fluorobiphenyl
Concen: 53.139 ng
RT: 12.966 min Scan# 1705
Delta R.T. -0.023 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

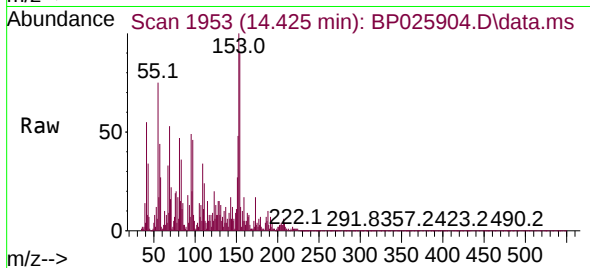
Tgt Ion:172 Resp: 1979425
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.6
170 23.1 18.6 27.8





#52
Acenaphthene
Concen: 2.001 ng
RT: 14.425 min Scan# 1953
Delta R.T. -0.029 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

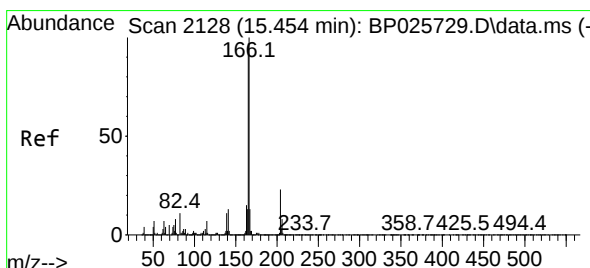
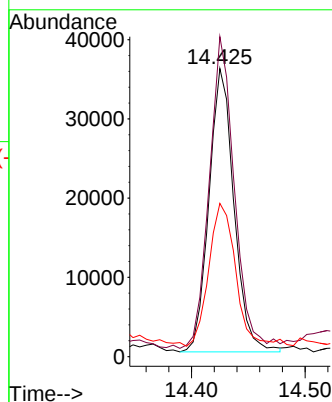
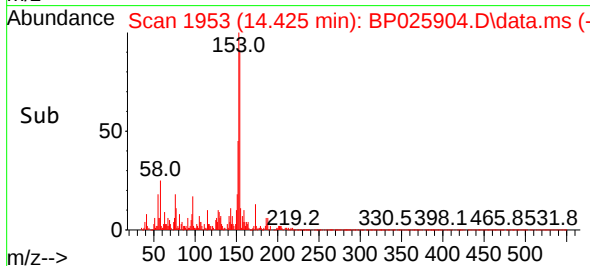
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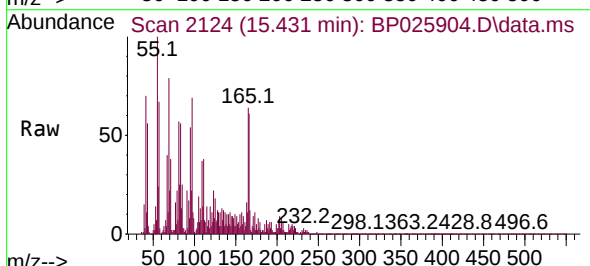
Tgt Ion:154 Resp: 54820
Ion Ratio Lower Upper
154 100
153 111.1 89.4 134.0
152 53.2 42.5 63.7

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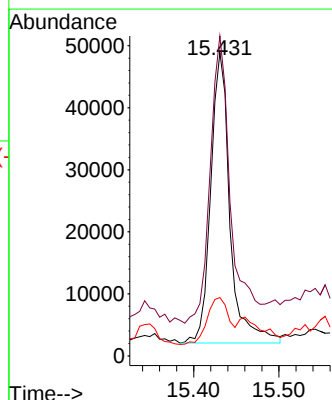
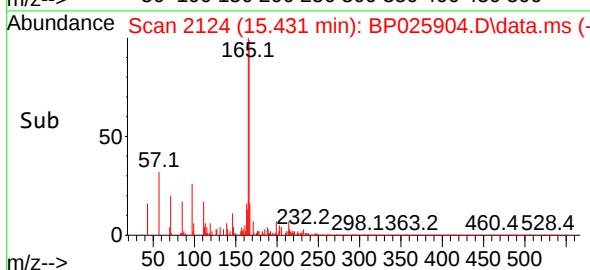
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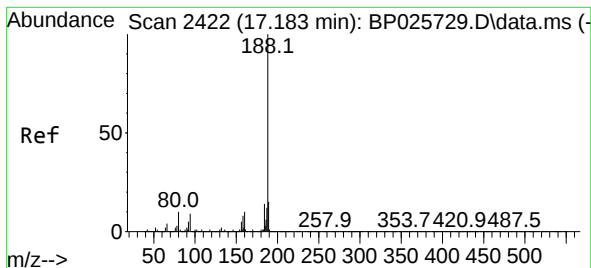


#58
Fluorene
Concen: 2.067 ng
RT: 15.431 min Scan# 2124
Delta R.T. -0.023 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11



Tgt Ion:166 Resp: 73358
Ion Ratio Lower Upper
166 100
165 105.5 77.7 116.5
167 19.3 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.166 min Scan# 2419

Delta R.T. -0.018 min

Lab File: BP025904.D

Acq: 01 Oct 2025 17:11

Instrument :

BNA_P

ClientSampleId :

ARS20-0009

Tgt Ion:188 Resp: 837300

Ion Ratio Lower Upper

188 100

94 11.0 7.4 11.0

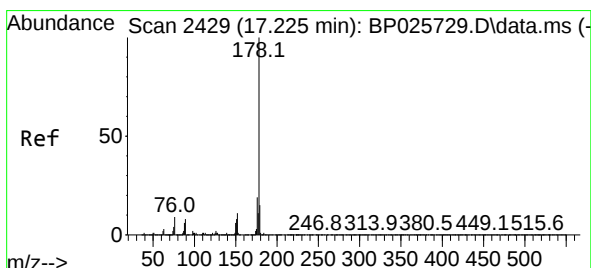
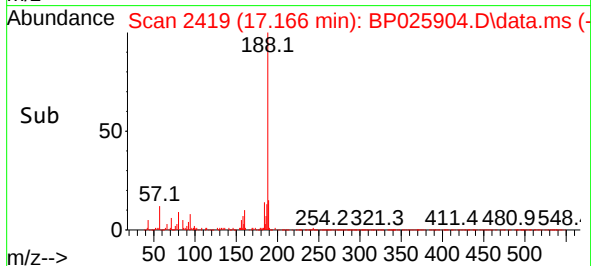
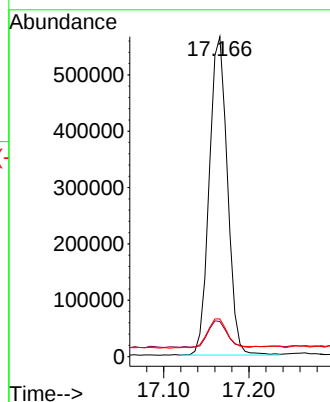
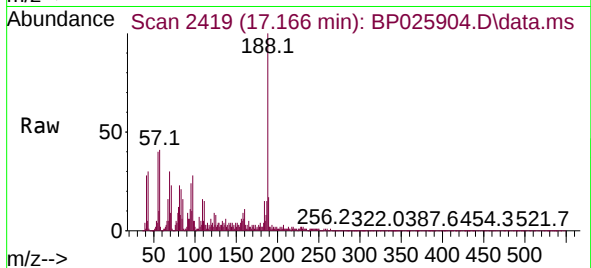
80 11.8 7.7 11.5

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#71

Phenanthrene

Concen: 17.734 ng

RT: 17.207 min Scan# 2426

Delta R.T. -0.018 min

Lab File: BP025904.D

Acq: 01 Oct 2025 17:11

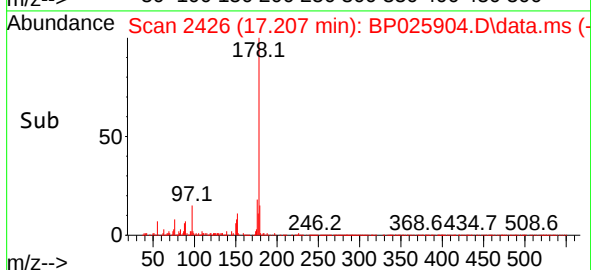
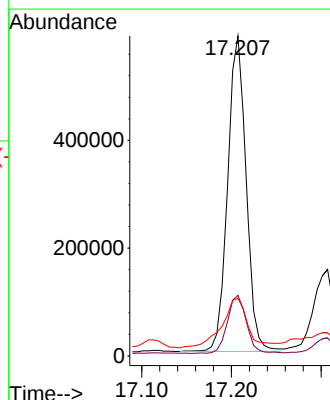
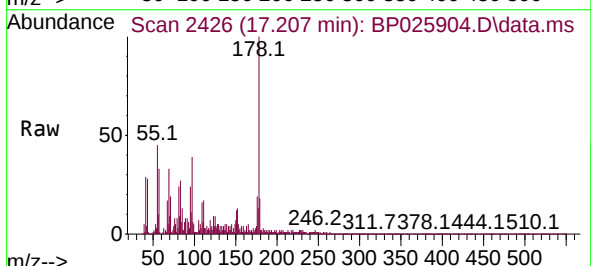
Tgt Ion:178 Resp: 842319

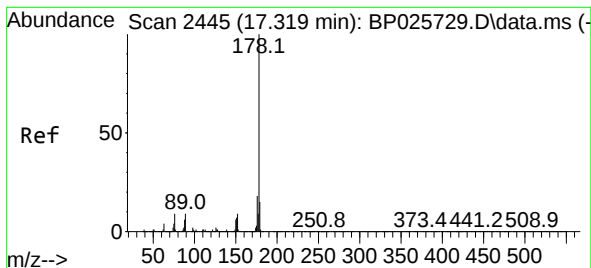
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 18.0 12.2 18.4





#72

Anthracene

Concen: 4.904 ng m

RT: 17.307 min Scan# 2445

Delta R.T. -0.012 min

Lab File: BP025904.D

Acq: 01 Oct 2025 17:11

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ARS20-0009

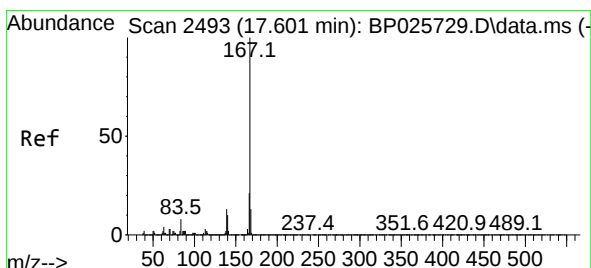
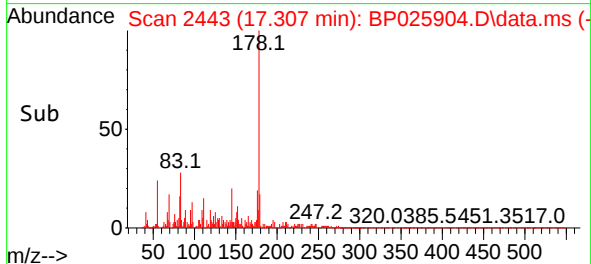
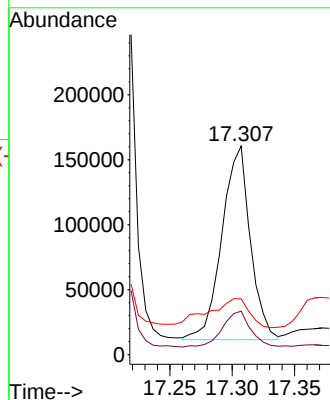
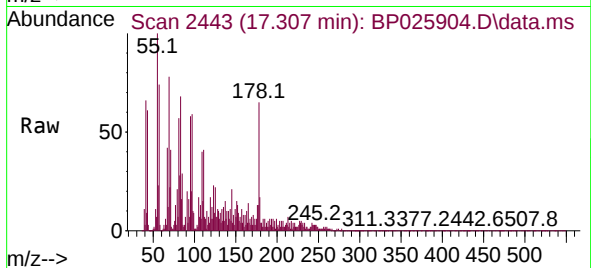
Tgt Ion:178	Resp: 236344
Ion Ratio	Lower Upper
178	100
176	20.8 14.8 22.2
179	26.7 12.2 18.4

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Supervised By :Jagrut Upadhyay 10/03/2025



#73

Carbazole

Concen: 2.841 ng

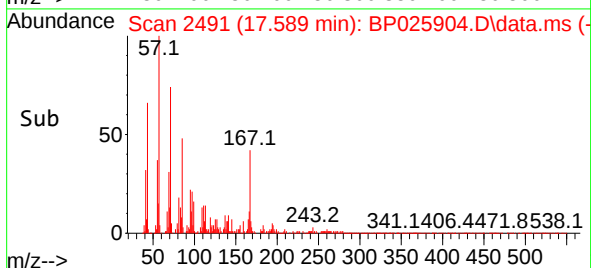
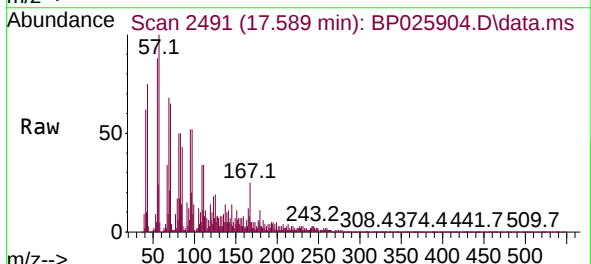
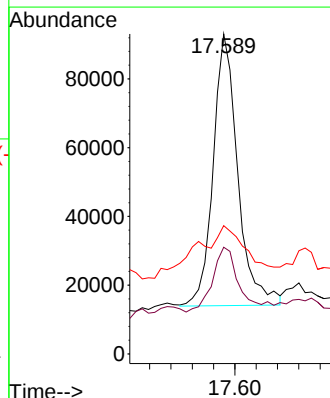
RT: 17.589 min Scan# 2491

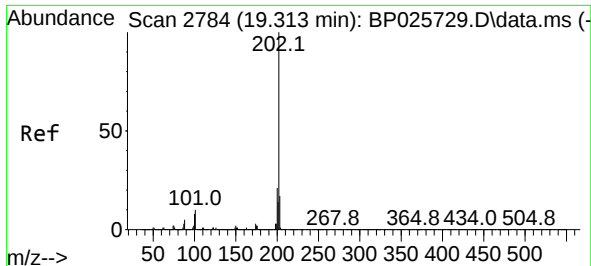
Delta R.T. -0.012 min

Lab File: BP025904.D

Acq: 01 Oct 2025 17:11

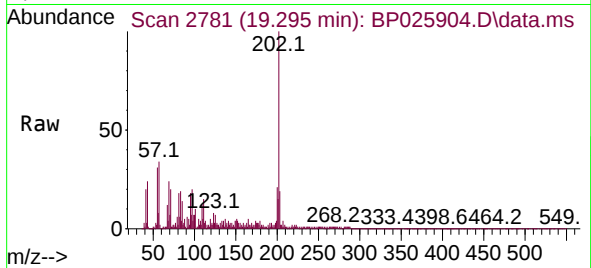
Tgt Ion:167	Resp: 127293
Ion Ratio	Lower Upper
167	100
166	33.3 17.0 25.4#
139	40.1 10.6 16.0#





#75
Fluoranthene
Concen: 21.166 ng
RT: 19.295 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

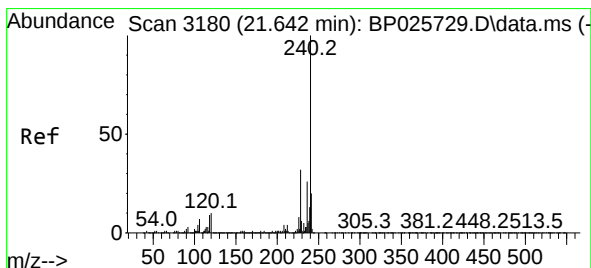
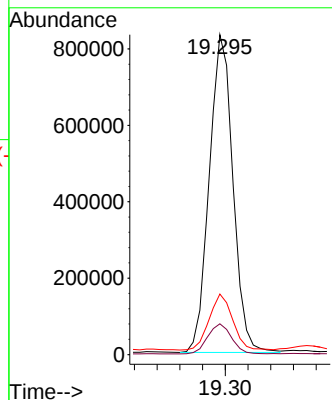
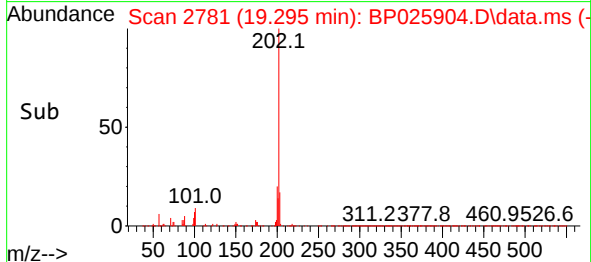
Instrument :
BNA_P
ClientSampleId :
ARS20-0009



Tgt Ion:202 Resp: 120568
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.4
203 18.9 0.0 37.4

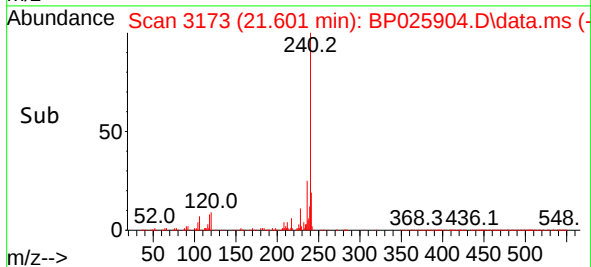
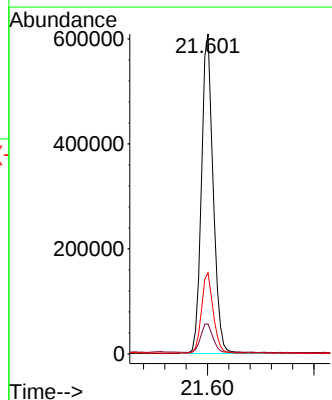
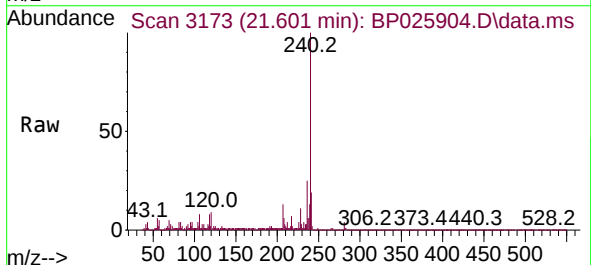
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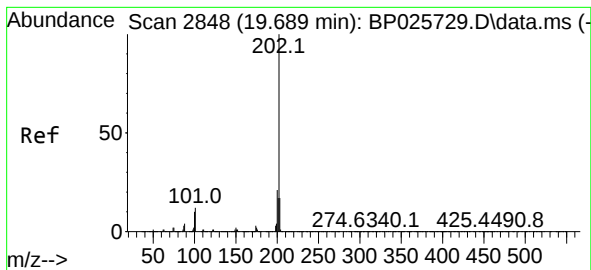
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.041 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

Tgt Ion:240 Resp: 927143
Ion Ratio Lower Upper
240 100
120 9.3 8.0 12.0
236 25.3 20.7 31.1





#78

Pyrene

Concen: 16.527 ng

RT: 19.672 min Scan# 2845

Delta R.T. -0.018 min

Lab File: BP025904.D

Acq: 01 Oct 2025 17:11

Instrument :

BNA_P

ClientSampleId :

ARS20-0009

Tgt Ion:202 Resp: 102241

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.6

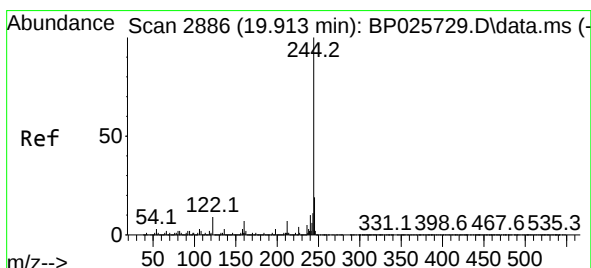
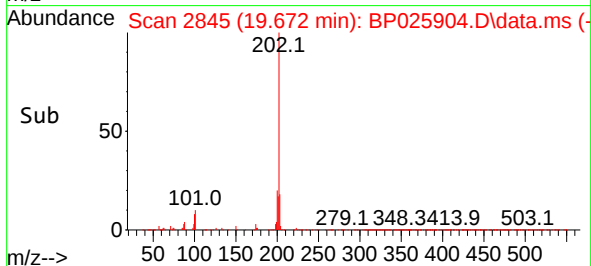
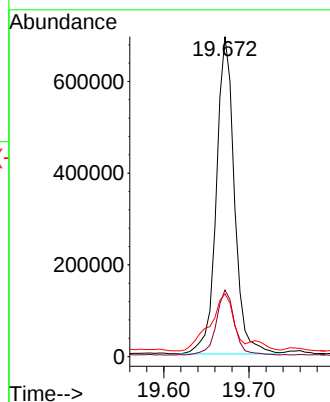
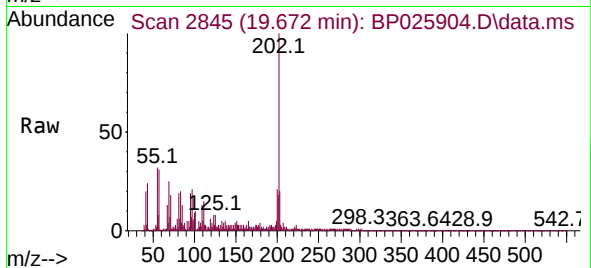
203 19.6 13.9 20.9

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#79

Terphenyl-d14

Concen: 51.503 ng

RT: 19.883 min Scan# 2881

Delta R.T. -0.029 min

Lab File: BP025904.D

Acq: 01 Oct 2025 17:11

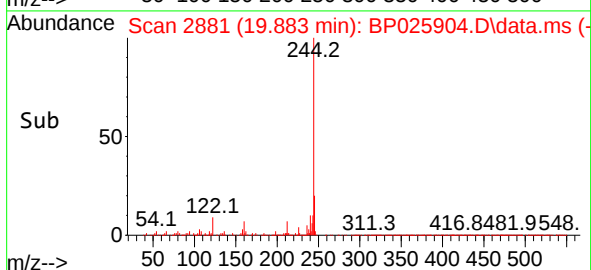
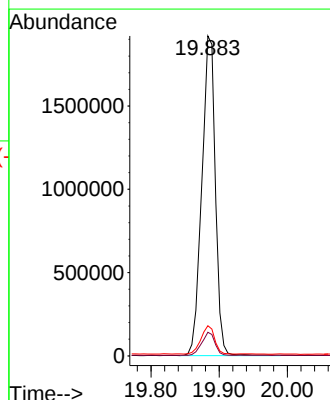
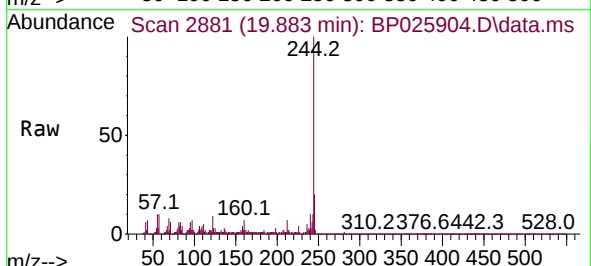
Tgt Ion:244 Resp: 2654289

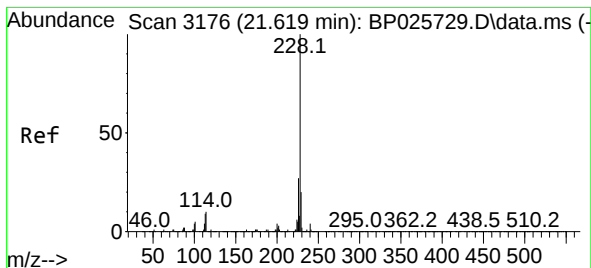
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 9.4 7.1 10.7





#81

Benzo(a)anthracene

Concen: 8.833 ng

RT: 21.578 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP025904.D

Acq: 01 Oct 2025 17:11

Instrument :

BNA_P

ClientSampleId :

ARS20-0009

Tgt Ion:228 Resp: 560664

Ion Ratio Lower Upper

228 100

226 26.8 21.6 32.4

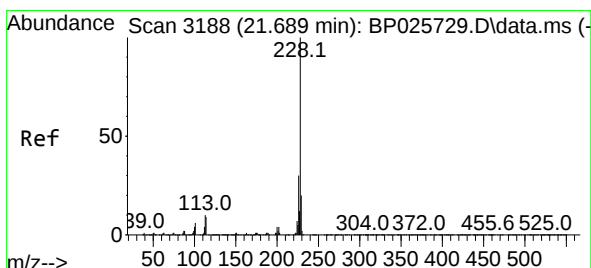
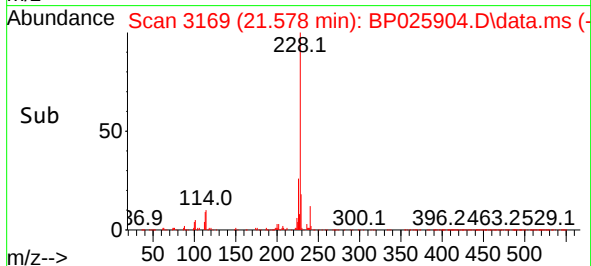
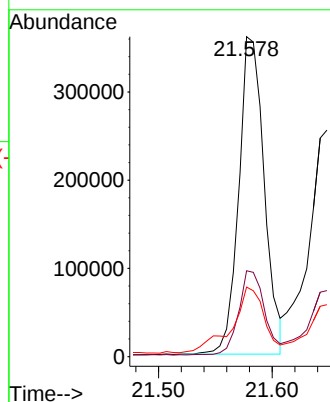
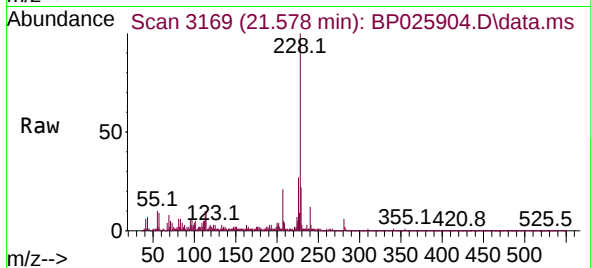
229 21.7 15.7 23.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#83

Chrysene

Concen: 8.274 ng m

RT: 21.648 min Scan# 3181

Delta R.T. -0.041 min

Lab File: BP025904.D

Acq: 01 Oct 2025 17:11

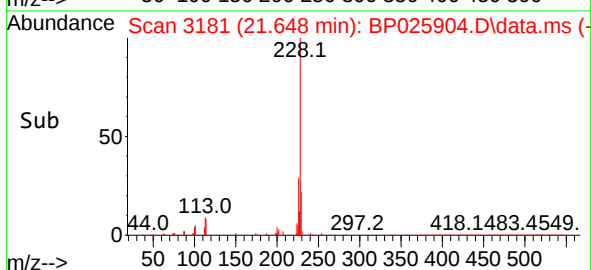
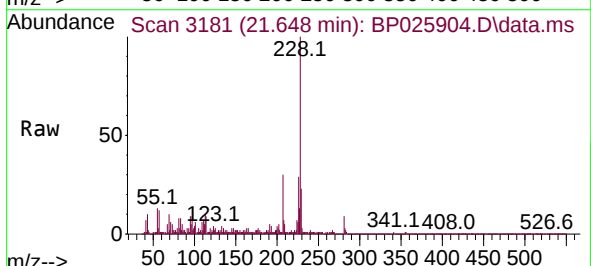
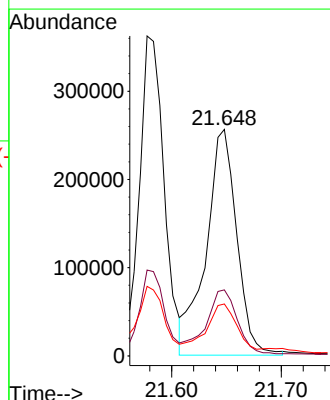
Tgt Ion:228 Resp: 500631

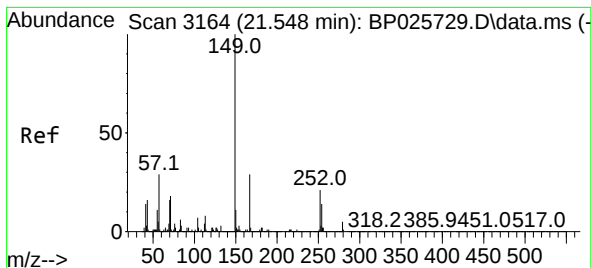
Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.6

229 22.9 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 70.921 ng
RT: 21.507 min Scan# 3164
Delta R.T. -0.041 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

Instrument :

BNA_P

ClientSampleId :

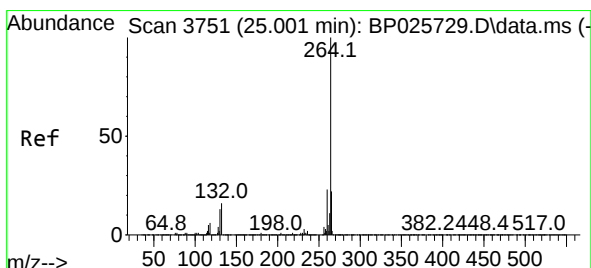
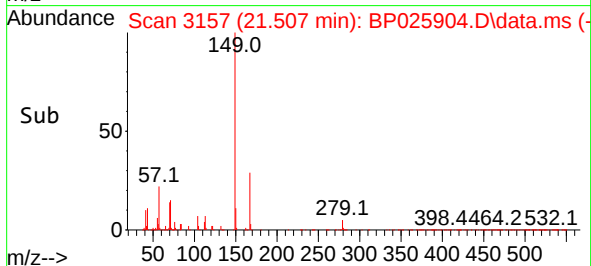
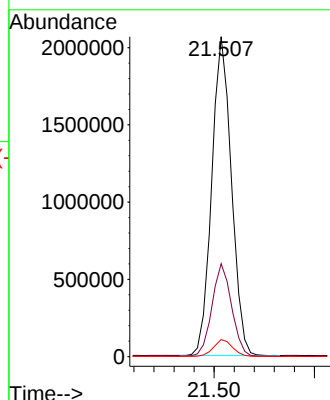
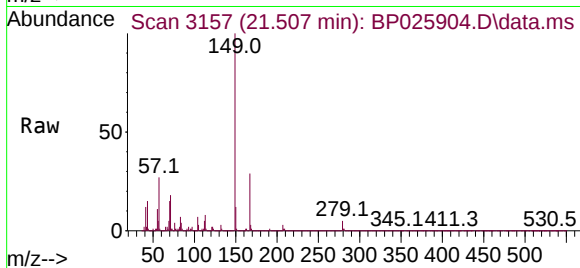
ARS20-0009

Tgt Ion:149 Resp: 2814486
Ion Ratio Lower Upper
149 100
167 29.0 22.9 34.3
279 5.3 3.8 5.8

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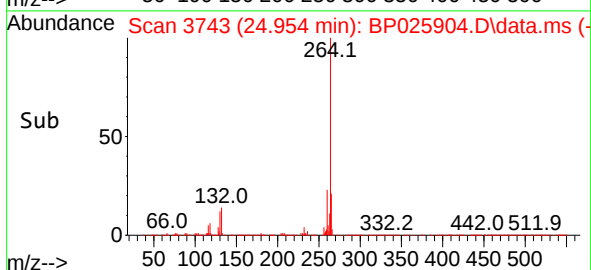
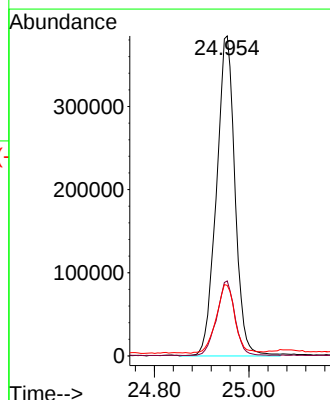
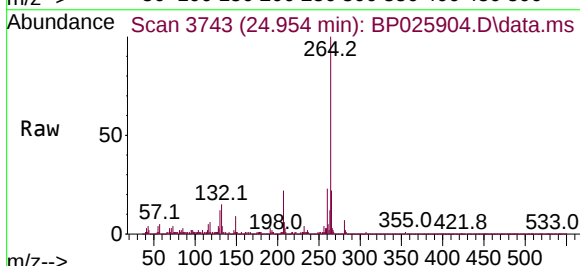
APPROVED

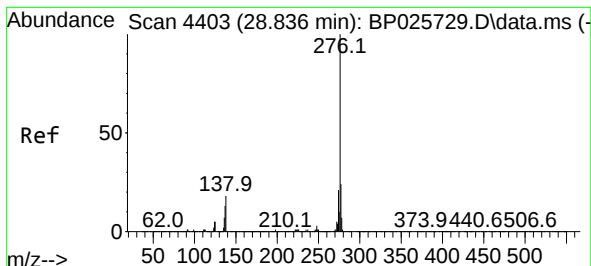
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.954 min Scan# 3743
Delta R.T. -0.047 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

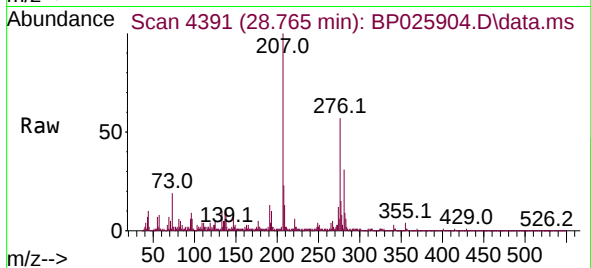
Tgt Ion:264 Resp: 1046268
Ion Ratio Lower Upper
264 100
260 23.4 18.3 27.5
265 22.0 17.3 25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.765 ng
RT: 28.765 min Scan# 4391
Delta R.T. -0.070 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11

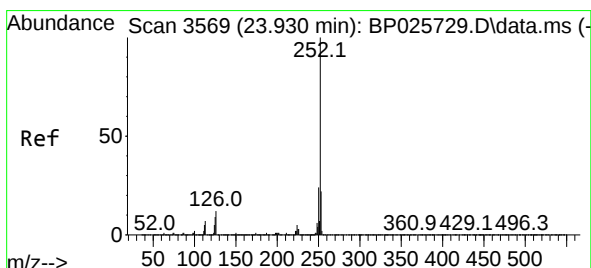
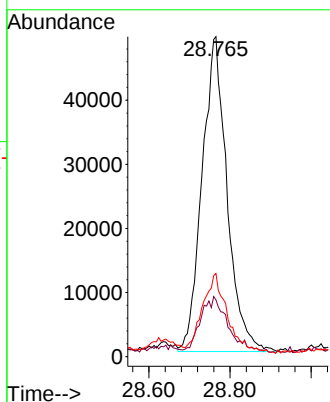
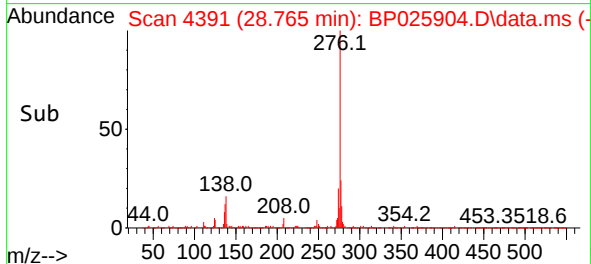
Instrument :
BNA_P
ClientSampleId :
ARS20-0009



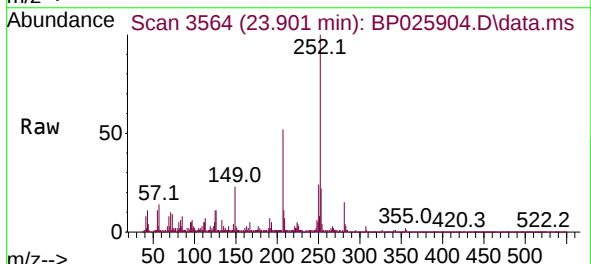
Tgt Ion:276 Resp: 210356
Ion Ratio Lower Upper
276 100
138 19.6 13.4 20.2
277 24.8 9.1 13.7

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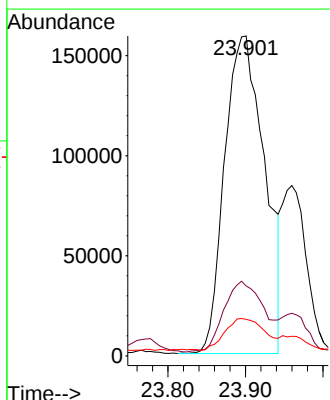
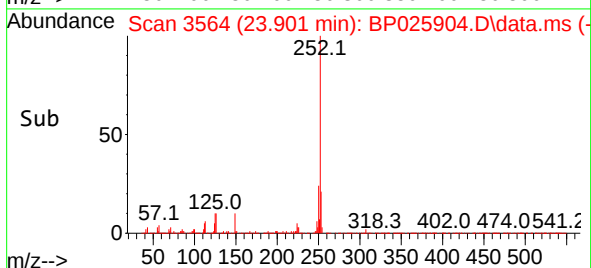
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

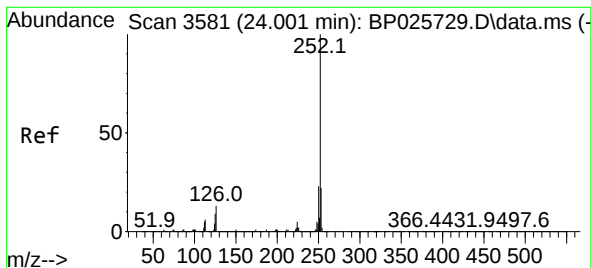


#88
Benzo(b)fluoranthene
Concen: 8.897 ng
RT: 23.901 min Scan# 3564
Delta R.T. -0.029 min
Lab File: BP025904.D
Acq: 01 Oct 2025 17:11



Tgt Ion:252 Resp: 569267
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 11.4 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 2.869 ng m

RT: 23.960 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP025904.D

Acq: 01 Oct 2025 17:11

Instrument :

BNA_P

ClientSampleId :

ARS20-0009

Tgt Ion:252 Resp: 187345

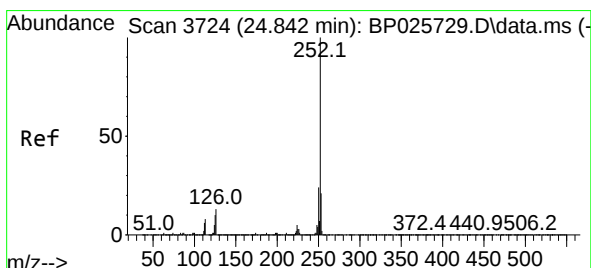
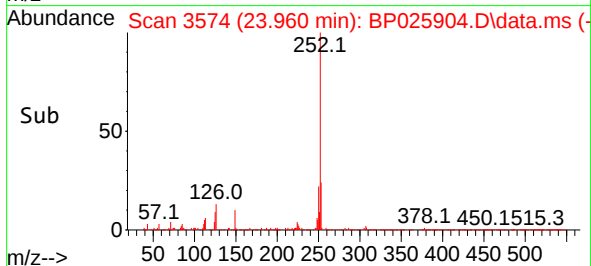
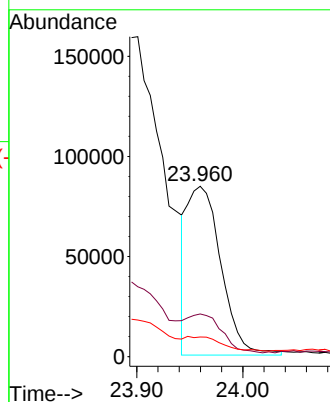
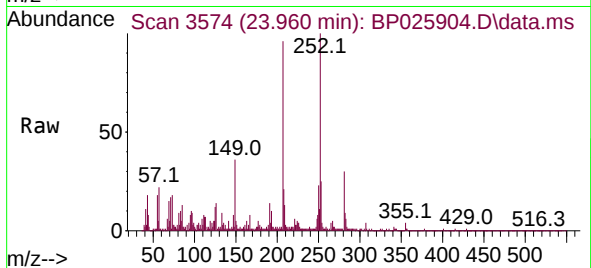
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	11.5	7.5	11.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#90

Benzo(a)pyrene

Concen: 6.194 ng

RT: 24.789 min Scan# 3715

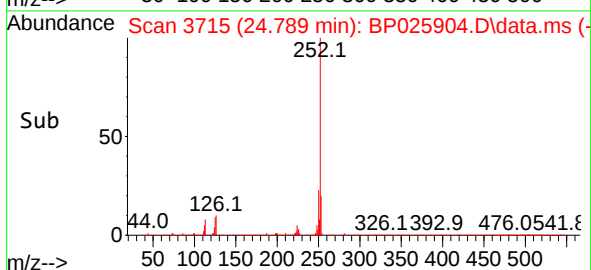
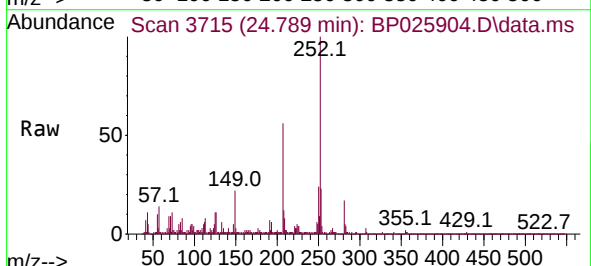
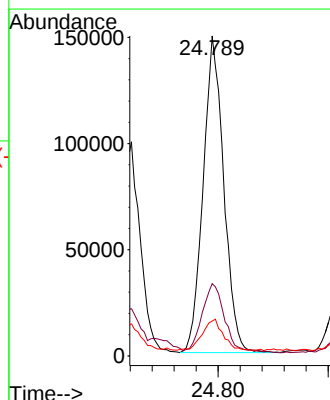
Delta R.T. -0.053 min

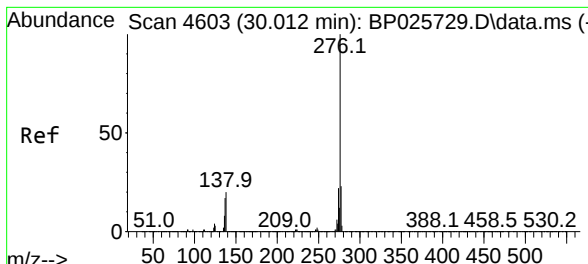
Lab File: BP025904.D

Acq: 01 Oct 2025 17:11

Tgt Ion:252 Resp: 388123

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	10.9	8.3	12.5





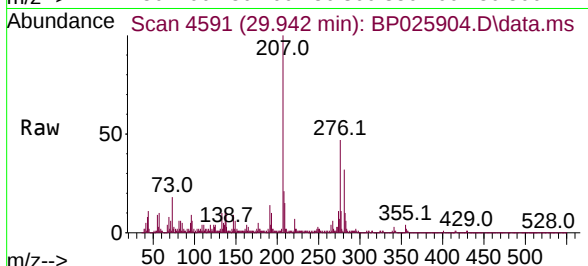
#92
 Benzo(g,h,i)perylene
 Concen: 3.225 ng
 RT: 29.942 min Scan# 4591
 Delta R.T. -0.070 min
 Lab File: BP025904.D
 Acq: 01 Oct 2025 17:11

Instrument :

BNA_P

ClientSampleId :

ARS20-0009



Tgt Ion: 276 Resp: 197492

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	26.4	16.0	24.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025

