

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121225\
 Data File : BP026318.D
 Acq On : 12 Dec 2025 20:29
 Operator : RC/JU
 Sample : Q3839-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AN7

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

Quant Time: Dec 15 02:19:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 15 01:38:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	271191	20.000	ng	-0.02
21) Naphthalene-d8	10.407	136	1130143	20.000	ng	-0.04
39) Acenaphthene-d10	14.278	164	780544	20.000	ng	-0.04
64) Phenanthrene-d10	17.072	188	1587285	20.000	ng	-0.06
76) Chrysene-d12	21.519	240	1700063	20.000	ng	-0.06
86) Perylene-d12	24.818	264	1644191	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	1361660	80.723	ng	-0.01
7) Phenol-d6	6.837	99	1732468	81.365	ng	-0.02
23) Nitrobenzene-d5	8.790	82	1058516	53.313	ng	-0.02
42) 2,4,6-Tribromophenol	15.784	330	928390	91.461	ng	-0.05
45) 2-Fluorobiphenyl	12.884	172	2811736	52.373	ng	-0.04
79) Terphenyl-d14	19.819	244	4494881	54.040	ng	-0.05
Target Compounds						Qvalue
71) Phenanthrene	17.113	178	1292838	14.448	ng	99
72) Anthracene	17.207	178	431890	4.739	ng	99
75) Fluoranthene	19.219	202	2326599	21.364	ng	98
78) Pyrene	19.595	202	1943466	17.543	ng	99
81) Benzo(a)anthracene	21.501	228	1132165	9.708	ng	99
83) Chrysene	21.566	228	1017717	9.217	ng	98
87) Indeno(1,2,3-cd)pyrene	28.524	276	442459	3.561	ng	93
88) Benzo(b)fluoranthene	23.777	252	1119384	11.202	ng	99
89) Benzo(k)fluoranthene	23.830	252	385352m	3.855	ng	
90) Benzo(a)pyrene	24.654	252	760323	8.024	ng	98
92) Benzo(g,h,i)perylene	29.665	276	404825	3.995	ng	96

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

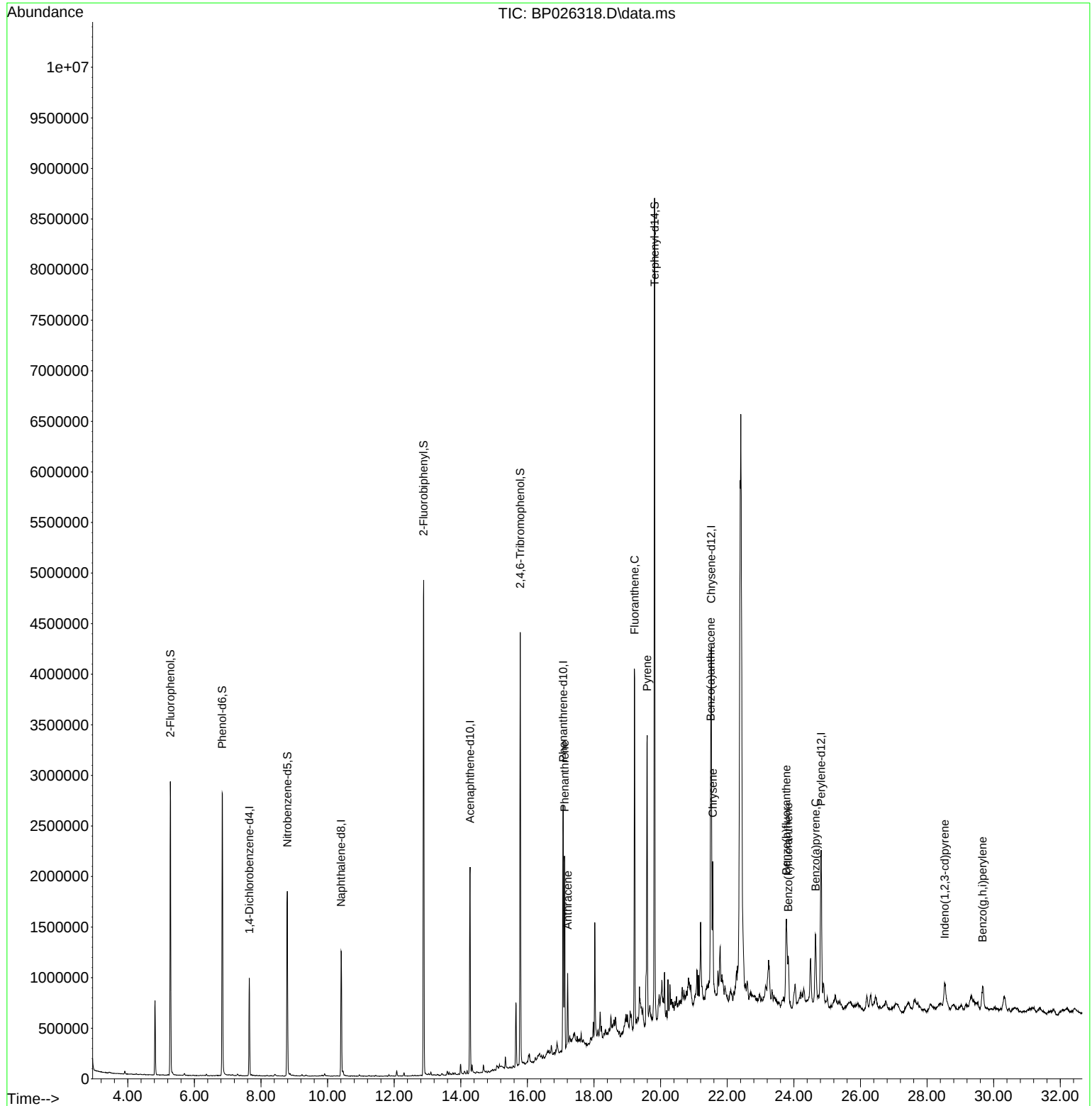
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121225\
Data File : BP026318.D
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ALS Vial : 16 Sample Multiplier: 1

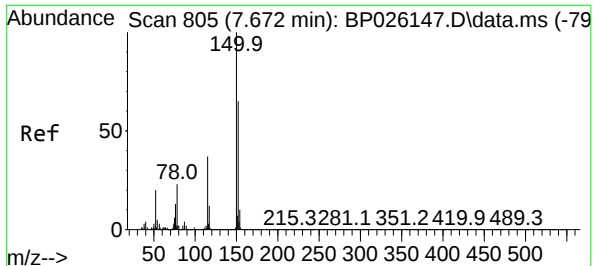
Instrument :
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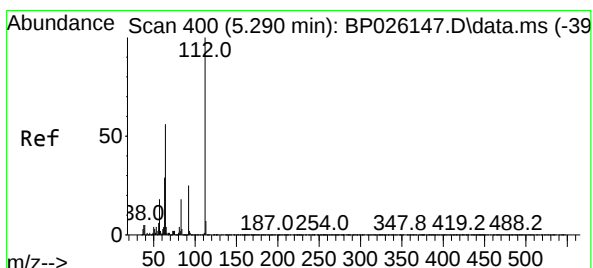
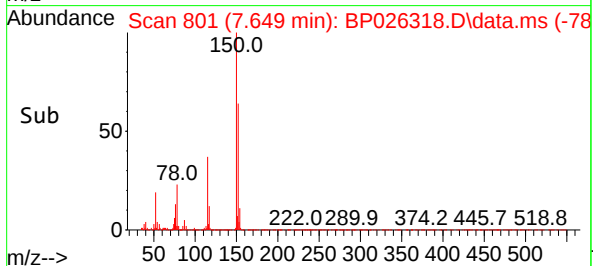
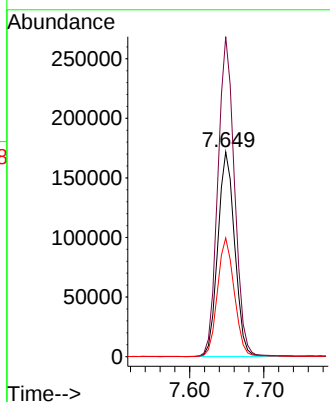
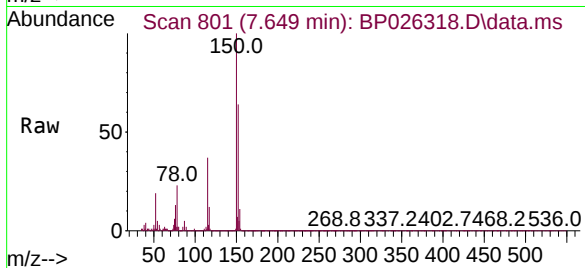
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 805
Delta R.T. -0.023 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

Instrument :
BNA_P
ClientSampleId :
COAN7

Tgt Ion:152 Resp: 271191
Ion Ratio Lower Upper
152 100
150 156.3 123.0 184.6
115 58.0 46.3 69.5

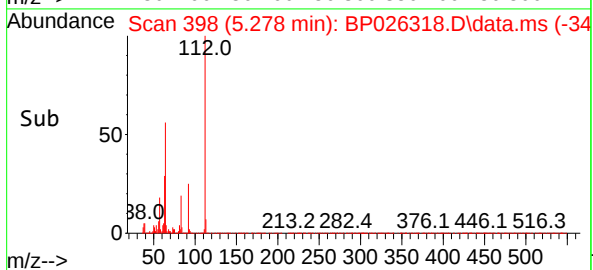
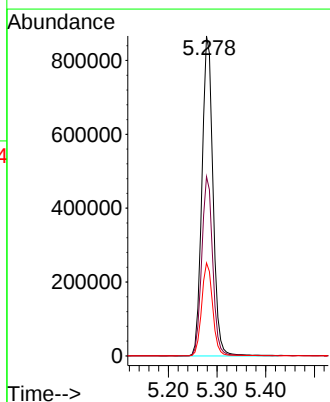
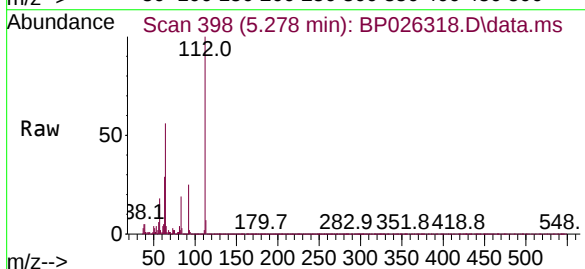
Manual Integrations
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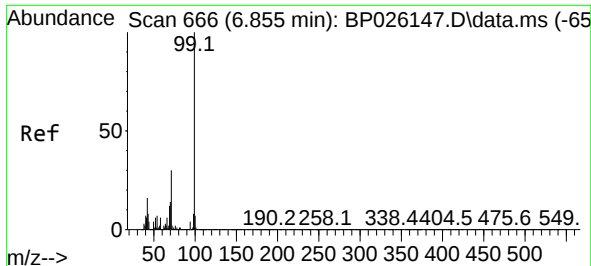
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#5
2-Fluorophenol
Concen: 80.723 ng
RT: 5.278 min Scan# 398
Delta R.T. -0.012 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

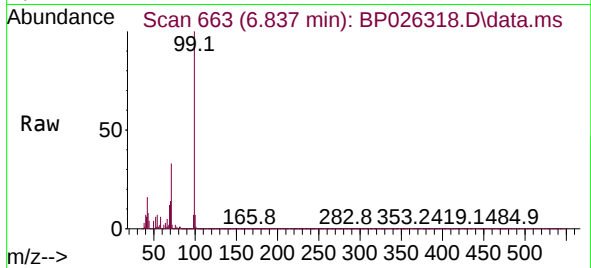
Tgt Ion:112 Resp: 1361660
Ion Ratio Lower Upper
112 100
64 56.0 45.8 68.6
63 29.0 23.5 35.3





#7
Phenol-d6
Concen: 81.365 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.018 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

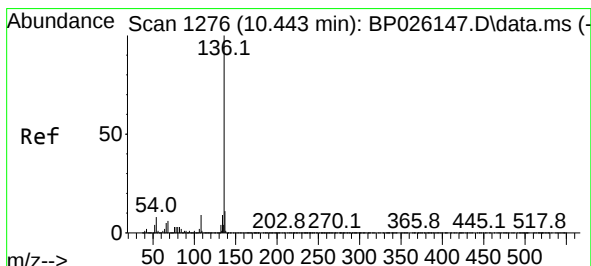
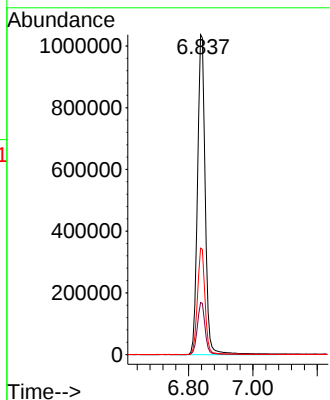
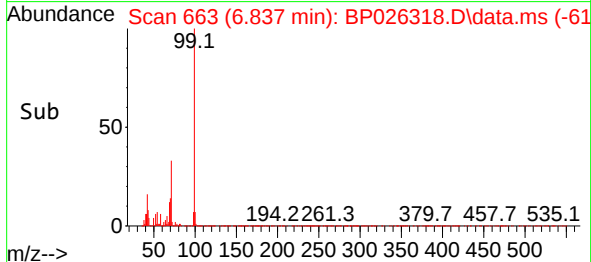
Instrument :
BNA_P
ClientSampleId :
COAN7



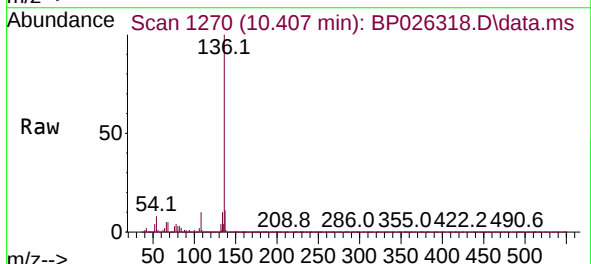
Tgt Ion: 99 Resp: 1732468
Ion Ratio Lower Upper
99 100
42 16.3 12.9 19.3
71 33.3 24.8 37.2

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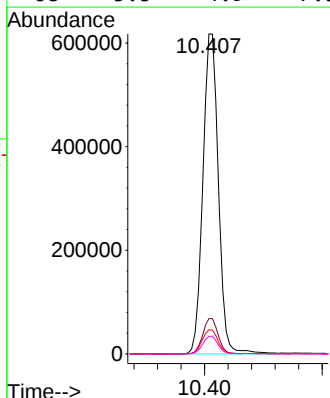
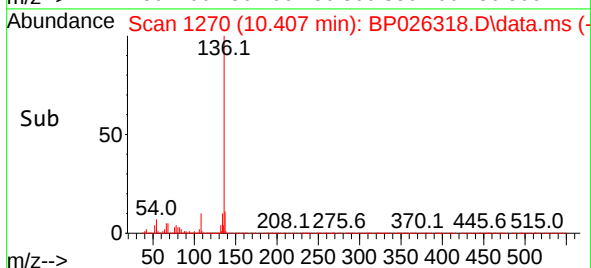
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.407 min Scan# 1270
Delta R.T. -0.035 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29



Tgt Ion:136 Resp: 1130143
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.5 6.4 9.6
68 5.5 4.9 7.3





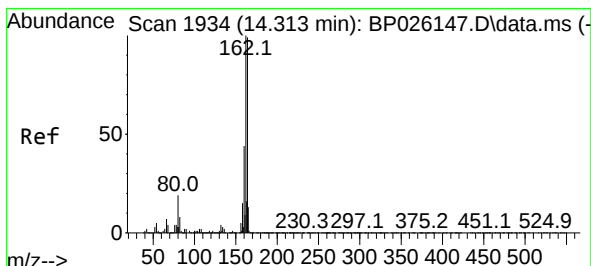
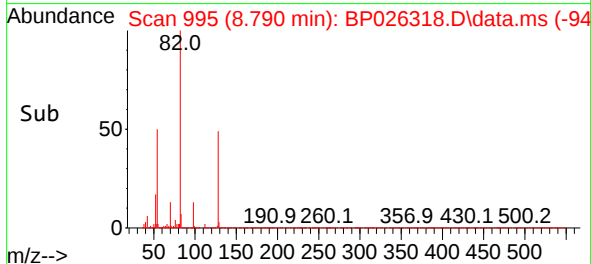
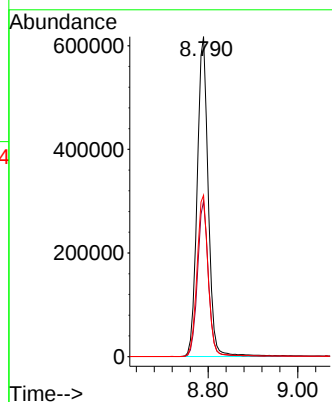
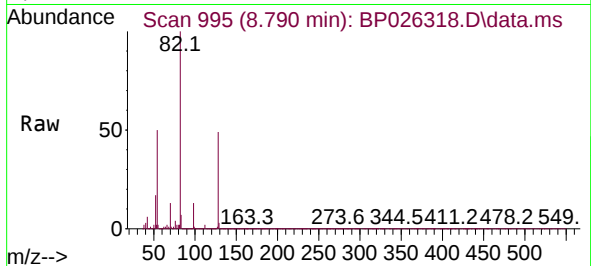
#23
Nitrobenzene-d5
Concen: 53.313 ng
RT: 8.790 min Scan# 999
Delta R.T. -0.024 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

Instrument :
BNA_P
Client SampleId :
COAN7

Tgt Ion: 82 Resp: 1058516
Ion Ratio Lower Upper
82 100
128 48.6 37.4 56.0
54 50.4 41.6 62.4

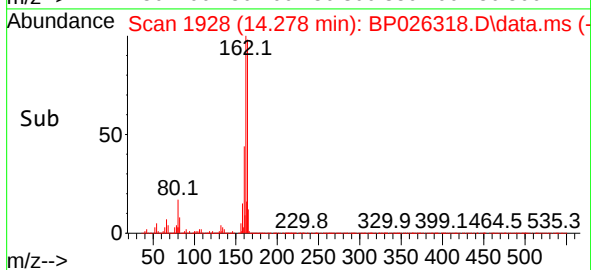
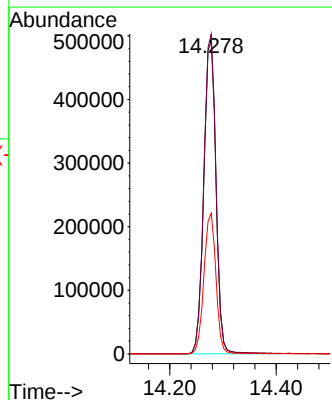
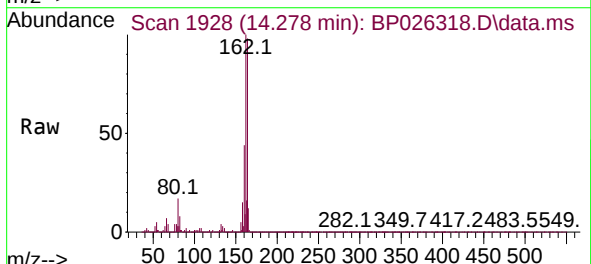
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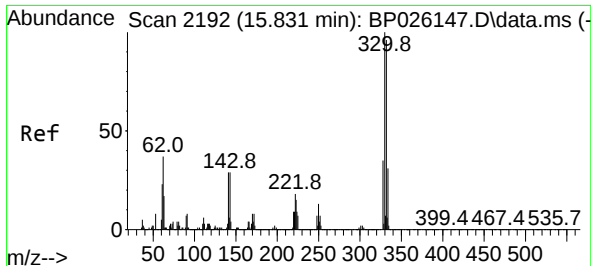
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.278 min Scan# 1928
Delta R.T. -0.035 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

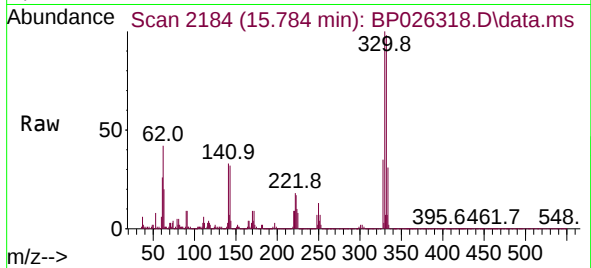
Tgt Ion:164 Resp: 780544
Ion Ratio Lower Upper
164 100
162 102.0 80.3 120.5
160 44.8 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 91.461 ng
RT: 15.784 min Scan# 2192
Delta R.T. -0.047 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

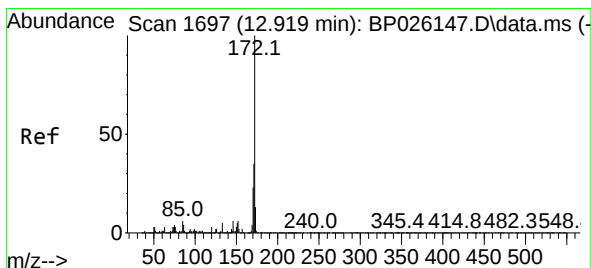
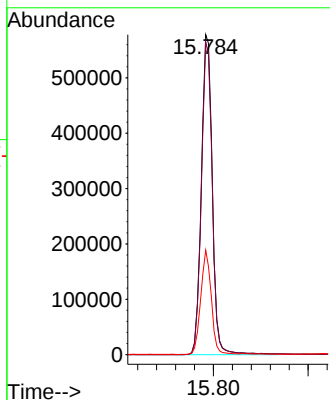
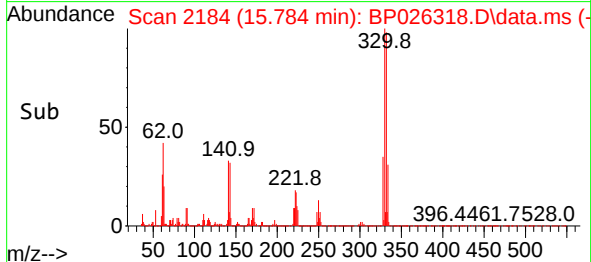
Instrument :
BNA_P
ClientSampleId :
COAN7



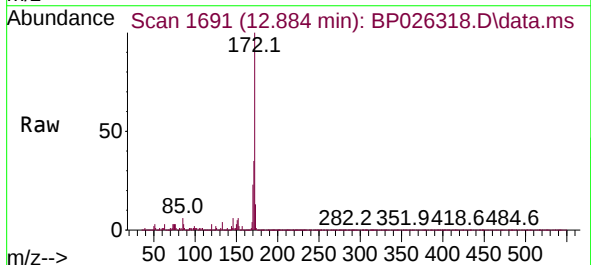
Tgt Ion: 330 Resp: 928390
Ion Ratio Lower Upper
330 100
332 96.6 78.0 117.0
141 31.3 26.8 40.2

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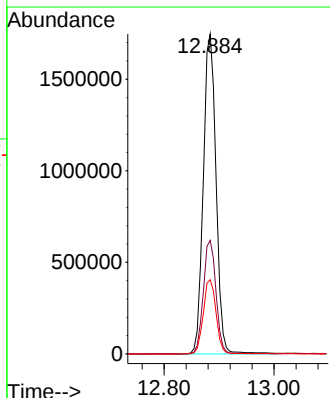
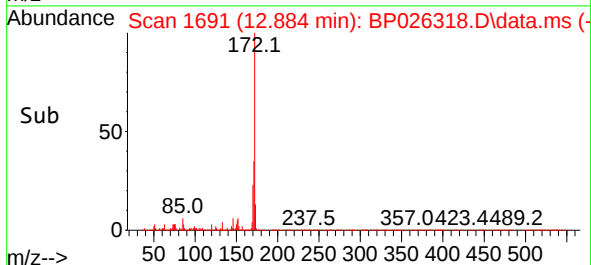
Reviewed By :Rahul Chavli 12/15/2025
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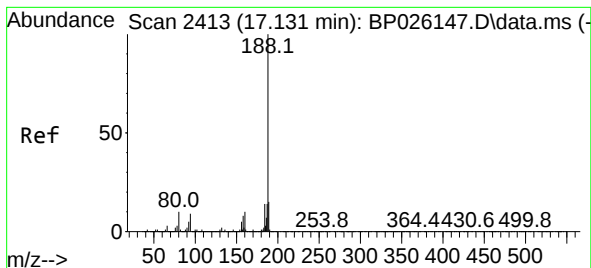


#45
2-Fluorobiphenyl
Concen: 52.373 ng
RT: 12.884 min Scan# 1691
Delta R.T. -0.035 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29



Tgt Ion: 172 Resp: 2811736
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.2 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.072 min Scan# 2413

Delta R.T. -0.059 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Instrument :

BNA_P

ClientSampleId :

C0AN7

Tgt Ion:188 Resp: 1587285

Ion Ratio Lower Upper

188 100

94 8.2 7.8 11.6

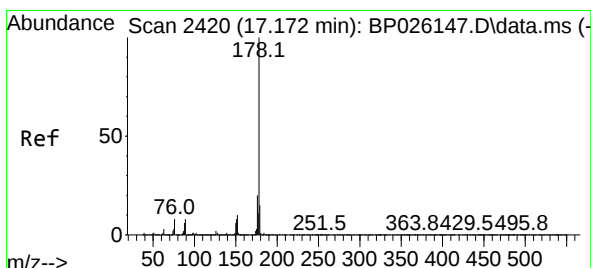
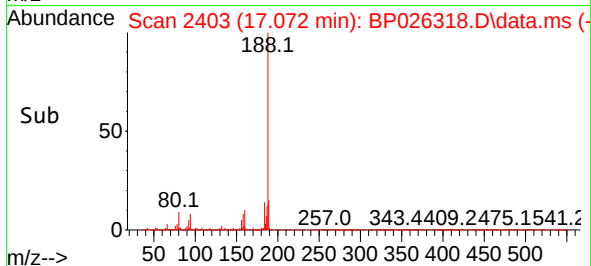
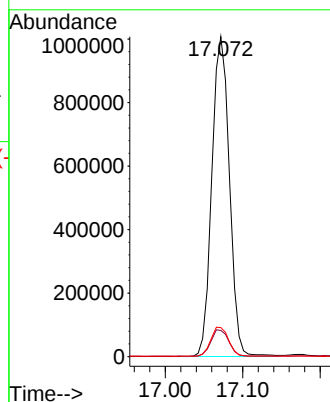
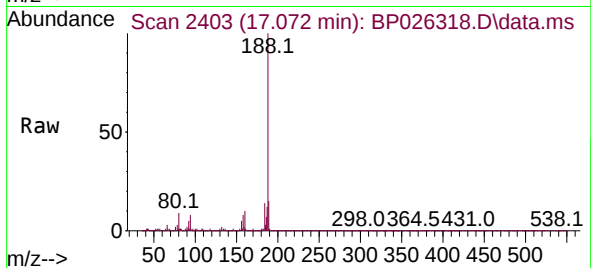
80 9.1 8.2 12.2

Manual Integrations

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#71

Phenanthrene

Concen: 14.448 ng

RT: 17.113 min Scan# 2410

Delta R.T. -0.059 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

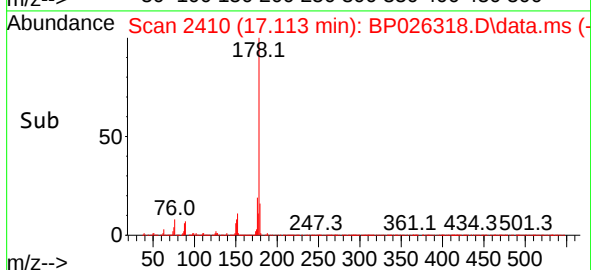
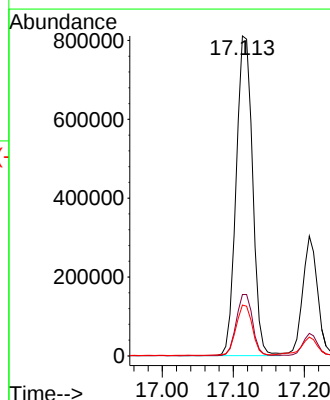
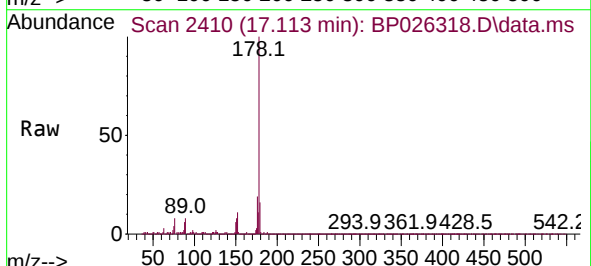
Tgt Ion:178 Resp: 1292838

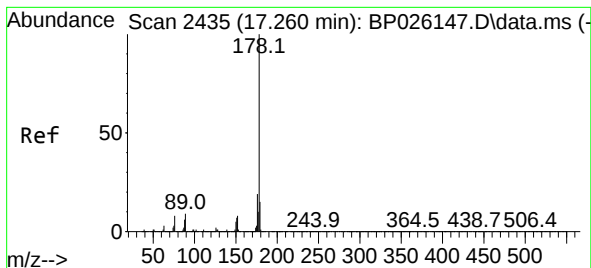
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.9 12.4 18.6





#72

Anthracene

Concen: 4.739 ng

RT: 17.207 min Scan# 2435

Delta R.T. -0.053 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Instrument :

BNA_P

ClientSampleId :

COAN7

Tgt Ion:178 Resp: 431890

Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

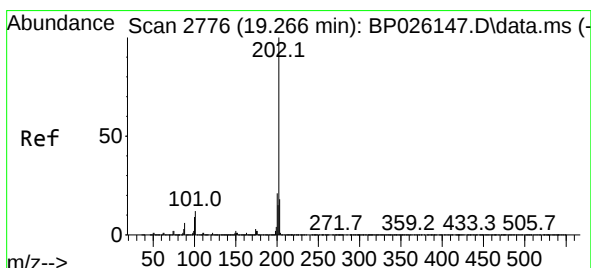
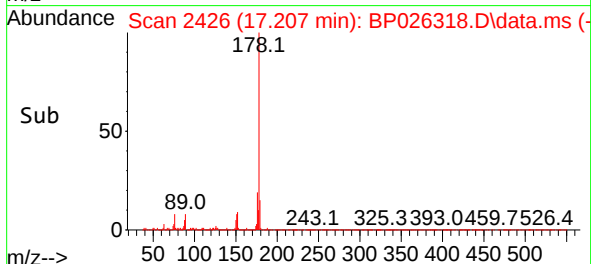
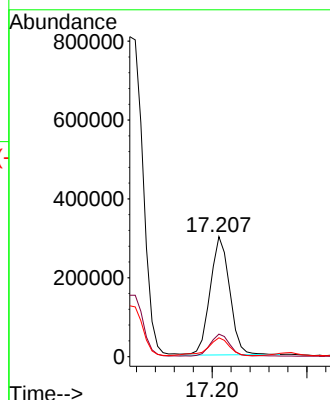
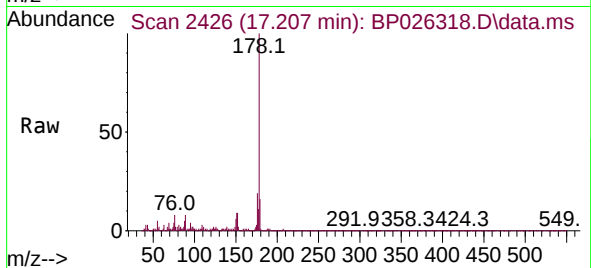
179 15.7 12.2 18.4

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#75

Fluoranthene

Concen: 21.364 ng

RT: 19.219 min Scan# 2768

Delta R.T. -0.047 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

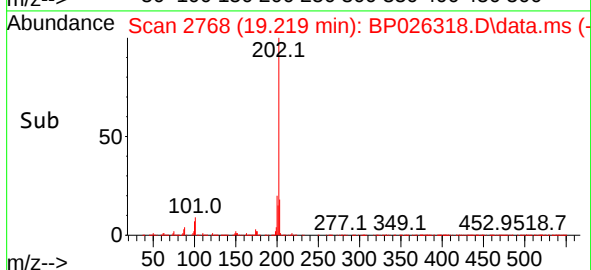
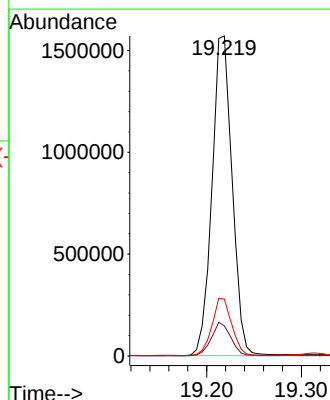
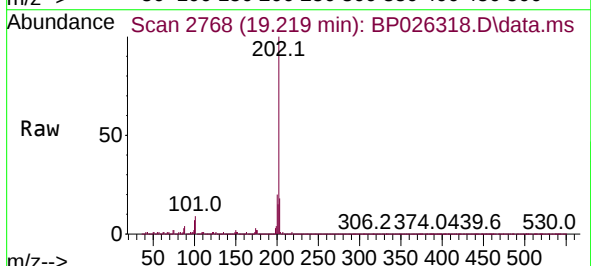
Tgt Ion:202 Resp: 2326599

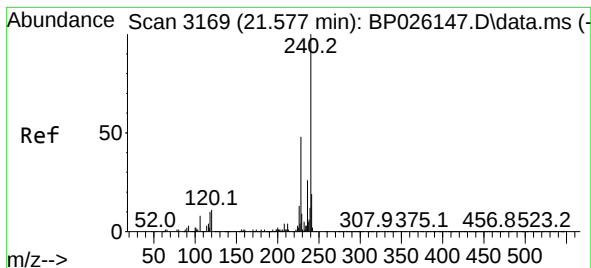
Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.2

203 17.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.519 min Scan# 3169

Delta R.T. -0.059 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Instrument :

BNA_P

ClientSampleId :

C0AN7

Tgt Ion:240 Resp: 1700063

Ion Ratio Lower Upper

240 100

120 9.8 9.0 13.4

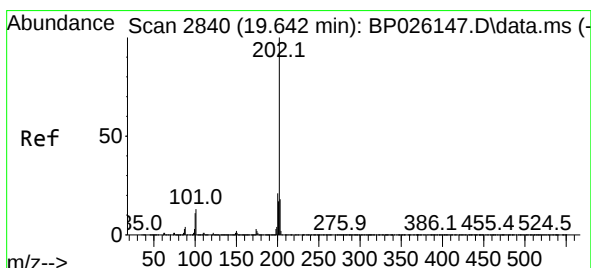
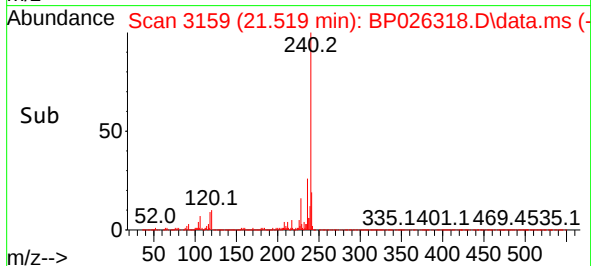
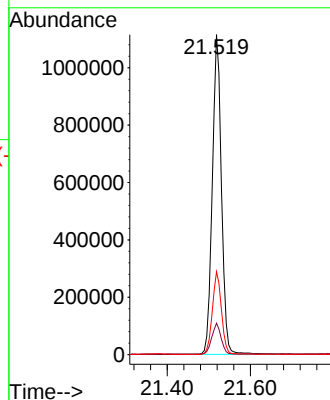
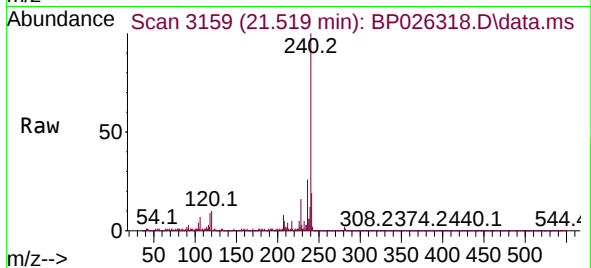
236 25.9 20.4 30.6

Manual Integrations

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#78

Pyrene

Concen: 17.543 ng

RT: 19.595 min Scan# 2832

Delta R.T. -0.047 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

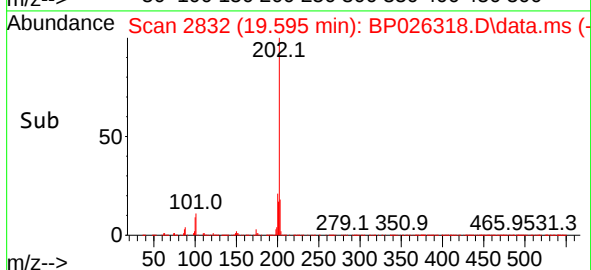
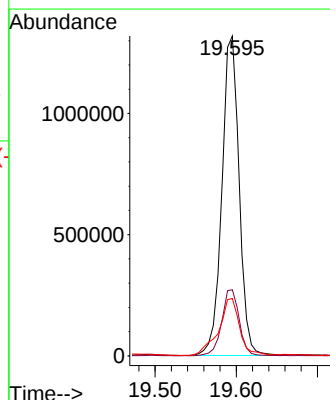
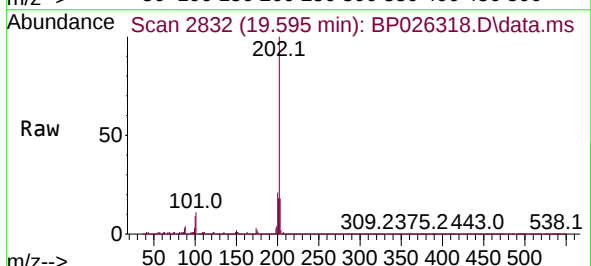
Tgt Ion:202 Resp: 1943466

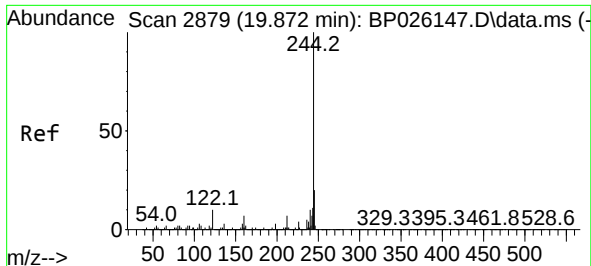
Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

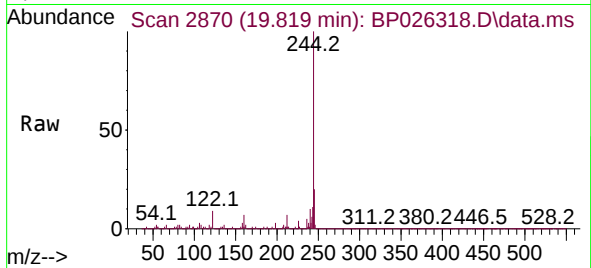
203 17.9 13.8 20.8





#79
 Terphenyl-d14
 Concen: 54.040 ng
 RT: 19.819 min Scan# 2879
 Delta R.T. -0.053 min
 Lab File: BP026318.D
 Acq: 12 Dec 2025 20:29

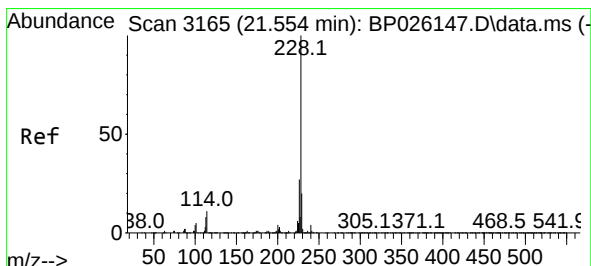
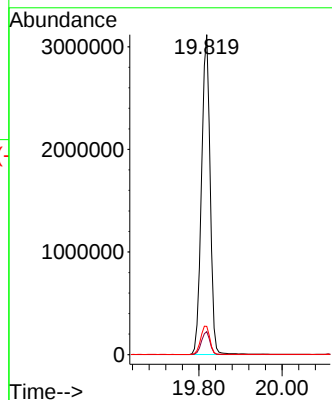
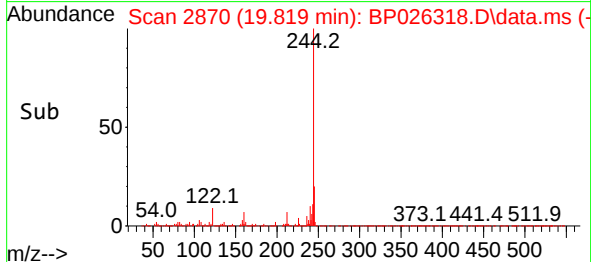
Instrument :
 BNA_P
 ClientSampleId :
 COAN7



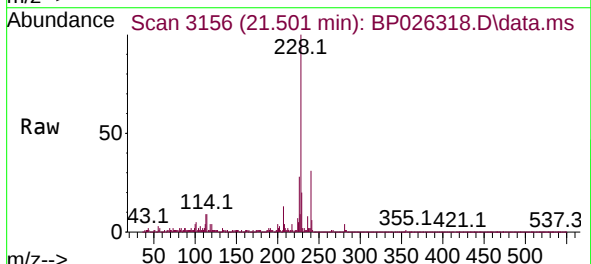
Tgt Ion:244 Resp: 4494881
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 8.8 8.2 12.2

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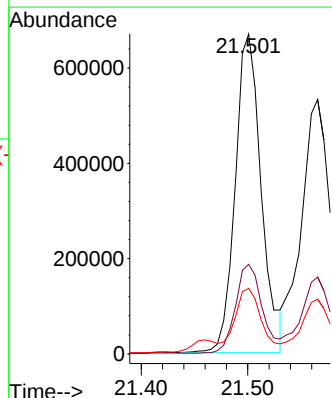
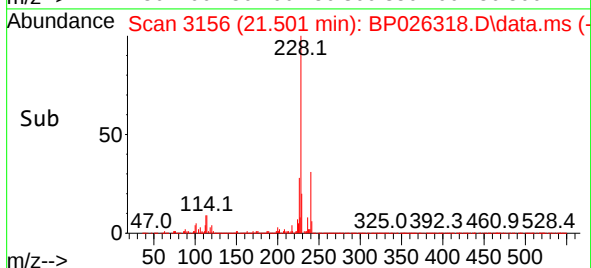
Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

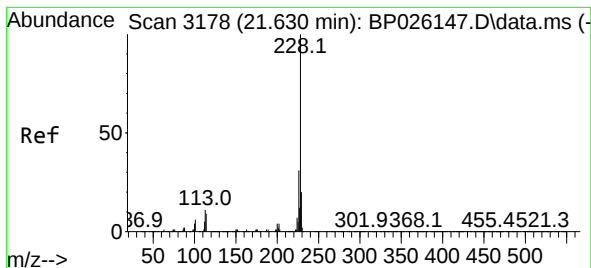


#81
 Benzo(a)anthracene
 Concen: 9.708 ng
 RT: 21.501 min Scan# 3156
 Delta R.T. -0.053 min
 Lab File: BP026318.D
 Acq: 12 Dec 2025 20:29



Tgt Ion:228 Resp: 1132165
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.8 32.8
 229 20.5 15.9 23.9





#83

Chrysene

Concen: 9.217 ng

RT: 21.566 min Scan# 31

Delta R.T. -0.065 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Instrument :

BNA_P

ClientSampleId :

COAN7

Tgt Ion:228 Resp: 101771

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

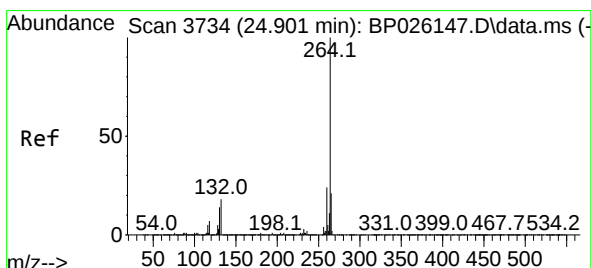
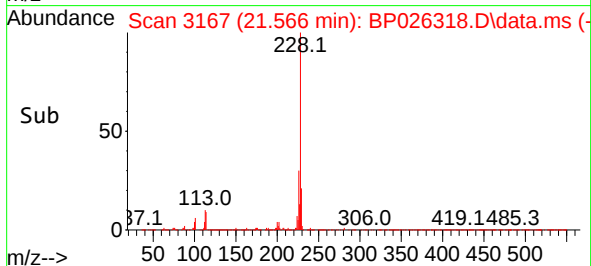
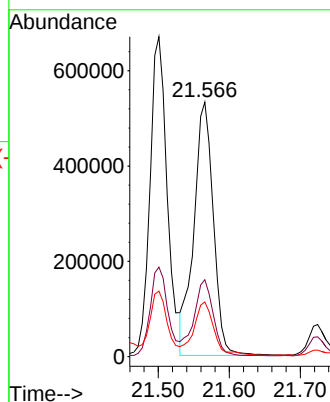
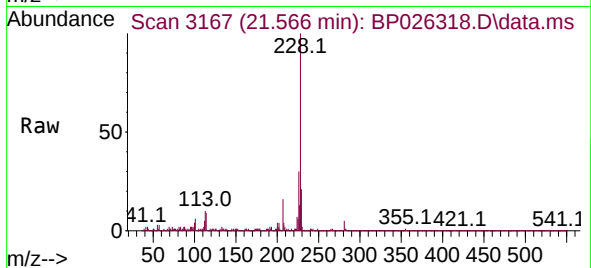
229 21.5 15.9 23.9

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Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.818 min Scan# 3720

Delta R.T. -0.082 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

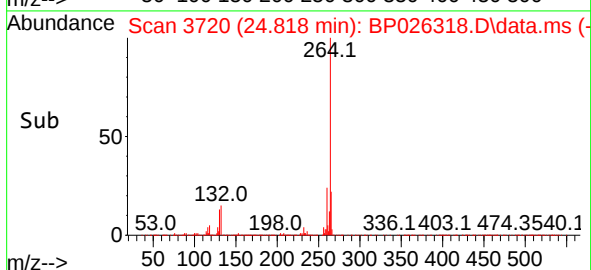
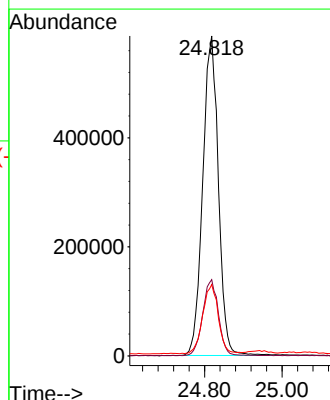
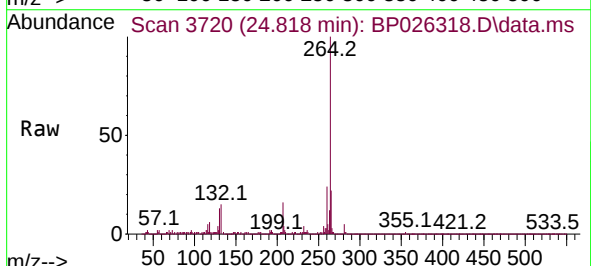
Tgt Ion:264 Resp: 1644191

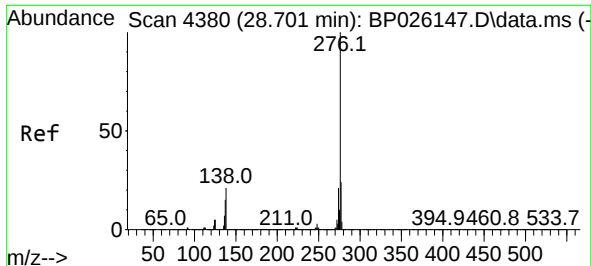
Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

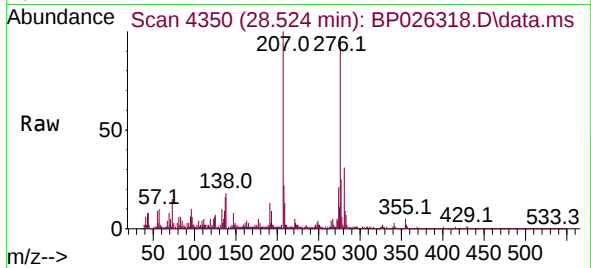
265 22.3 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.561 ng
RT: 28.524 min Scan# 4380
Delta R.T. -0.176 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

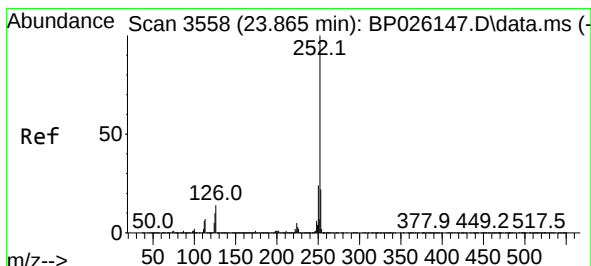
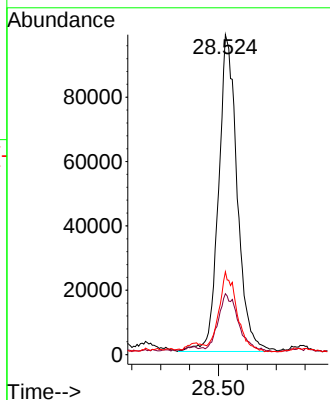
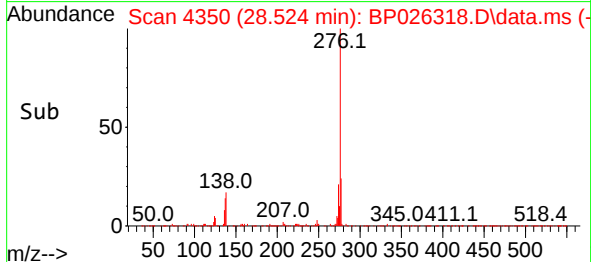
Instrument :
BNA_P
ClientSampleId :
COAN7



Tgt Ion:276 Resp: 442459
Ion Ratio Lower Upper
276 100
138 20.2 13.8 20.8
277 24.3 16.7 25.1

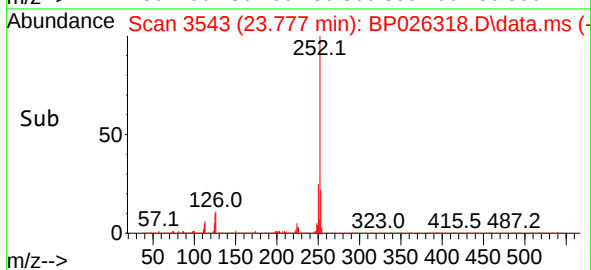
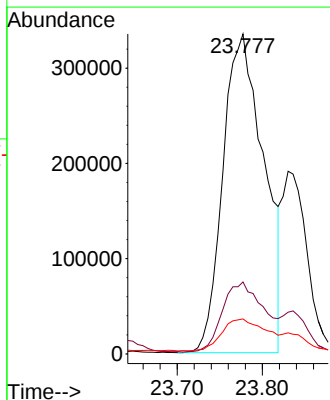
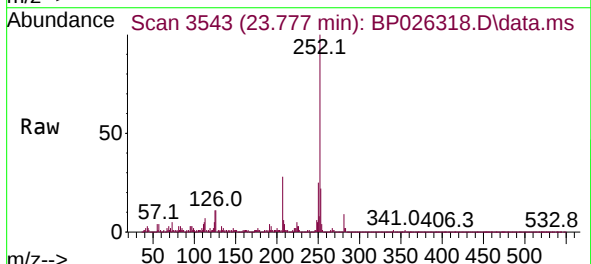
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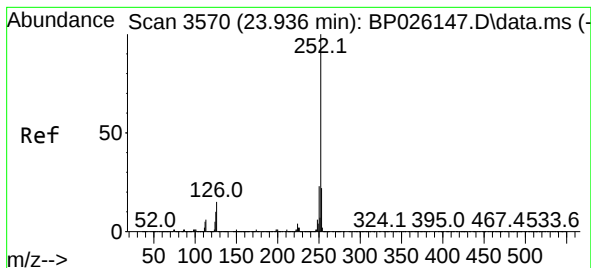
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#88
Benzo(b)fluoranthene
Concen: 11.202 ng
RT: 23.777 min Scan# 3543
Delta R.T. -0.088 min
Lab File: BP026318.D
Acq: 12 Dec 2025 20:29

Tgt Ion:252 Resp: 1119384
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.9 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 3.855 ng m

RT: 23.830 min Scan# 31

Delta R.T. -0.106 min

Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Instrument :

BNA_P

ClientSampleId :

C0AN7

Tgt Ion:252 Resp: 385352

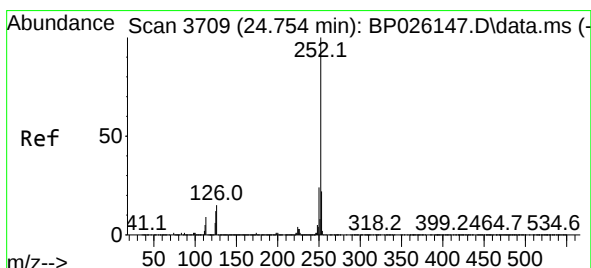
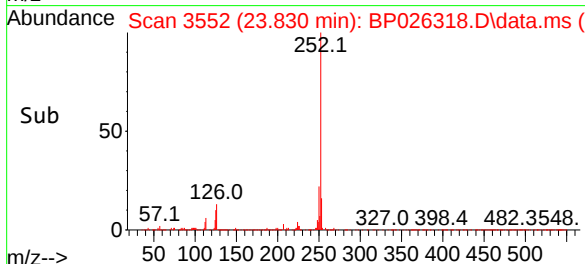
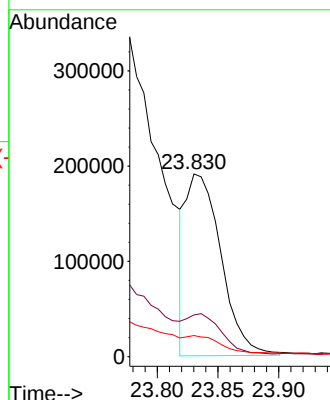
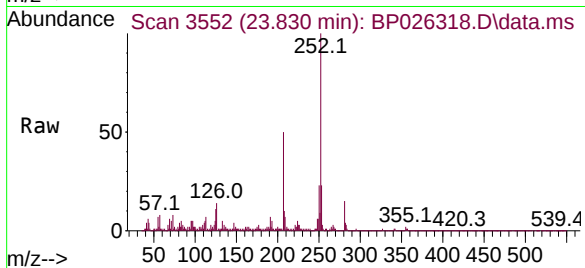
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	11.5	7.5	11.3

Manual Integrations

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Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#90

Benzo(a)pyrene

Concen: 8.024 ng

RT: 24.654 min Scan# 3692

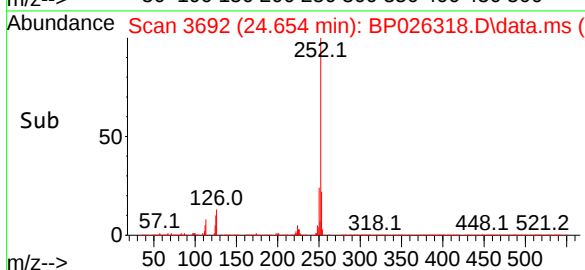
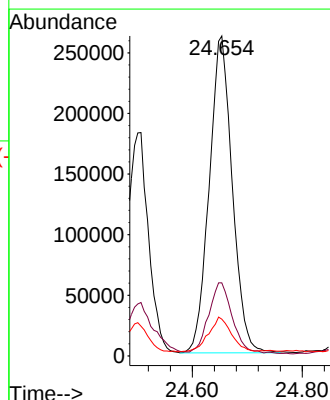
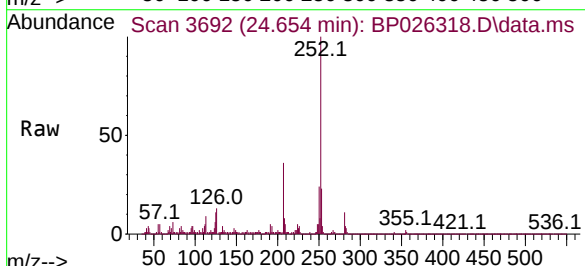
Delta R.T. -0.100 min

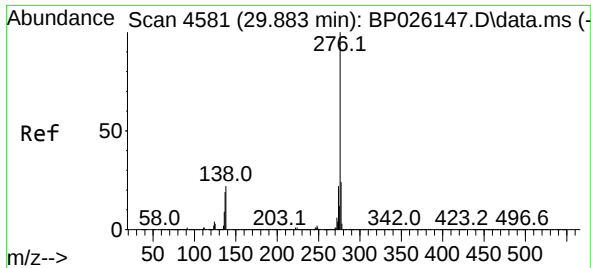
Lab File: BP026318.D

Acq: 12 Dec 2025 20:29

Tgt Ion:252 Resp: 760323

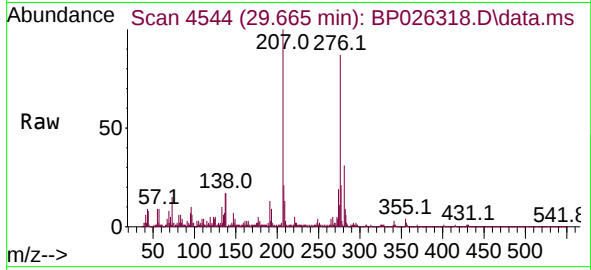
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	11.5	9.0	13.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.995 ng
 RT: 29.665 min Scan# 4544
 Delta R.T. -0.218 min
 Lab File: BP026318.D
 Acq: 12 Dec 2025 20:29

Instrument :
 BNA_P
 ClientSampleId :
 COAN7



Tgt Ion: 276 Resp: 404825
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.8 28.2
 138 19.4 17.8 26.6

Manual Integrations
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Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

