

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121225\
 Data File : BP026319.D
 Acq On : 12 Dec 2025 21:10
 Operator : RC/JU
 Sample : Q3846-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BU-02-12112025

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 02:20:24 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	422378	20.000	ng	-0.02
21) Naphthalene-d8	10.407	136	1642712	20.000	ng	-0.04
39) Acenaphthene-d10	14.278	164	1008230	20.000	ng	-0.04
64) Phenanthrene-d10	17.078	188	1793274	20.000	ng	-0.05
76) Chrysene-d12	21.507	240	1378390	20.000	ng	-0.07
86) Perylene-d12	24.818	264	1553759	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	1857264	70.693	ng	0.00
7) Phenol-d6	6.837	99	2252833	67.932	ng	-0.02
23) Nitrobenzene-d5	8.784	82	1377668	47.737	ng	-0.03
42) 2,4,6-Tribromophenol	15.789	330	973331	74.234	ng	-0.04
45) 2-Fluorobiphenyl	12.884	172	3360526	48.459	ng	-0.04
79) Terphenyl-d14	19.807	244	3656902	54.226	ng	-0.06
Target Compounds						Qvalue
71) Phenanthrene	17.119	178	672272	6.650	ng	100
75) Fluoranthene	19.213	202	988009	8.030	ng	98
78) Pyrene	19.583	202	872405	9.712	ng	98
81) Benzo(a)anthracene	21.489	228	391915	4.145	ng	95
83) Chrysene	21.554	228	419582m	4.687	ng	
87) Indeno(1,2,3-cd)pyrene	28.547	276	267394	2.277	ng	97
88) Benzo(b)fluoranthene	23.777	252	536232	5.679	ng	# 85
90) Benzo(a)pyrene	24.659	252	360018	4.021	ng	# 86
92) Benzo(g,h,i)perylene	29.712	276	280534	2.930	ng	# 90

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

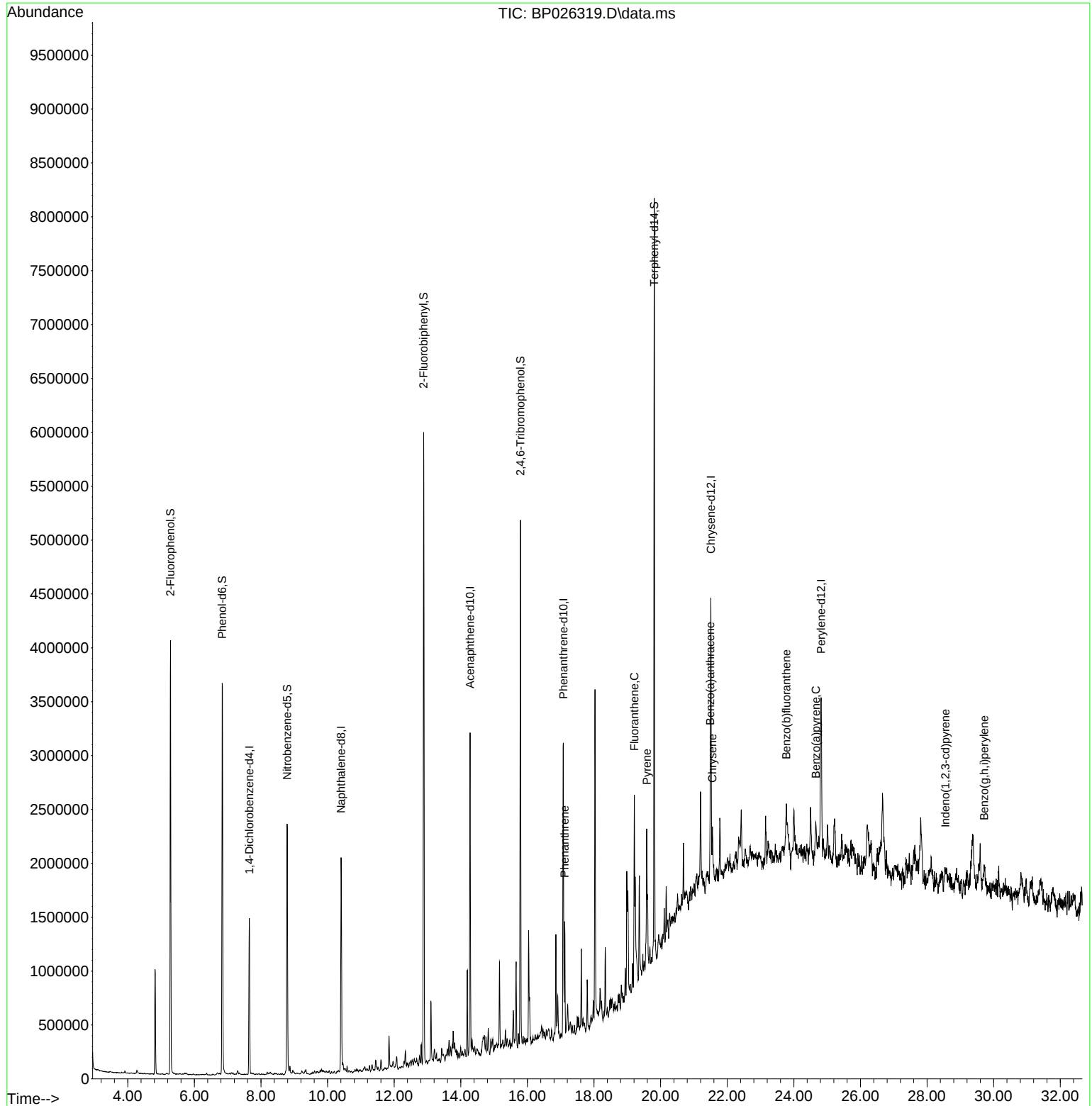
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121225\
Data File : BP026319.D
Acq On : 12 Dec 2025 21:10
Operator : RC/JU
Sample : Q3846-01
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ALS Vial : 17 Sample Multiplier: 1

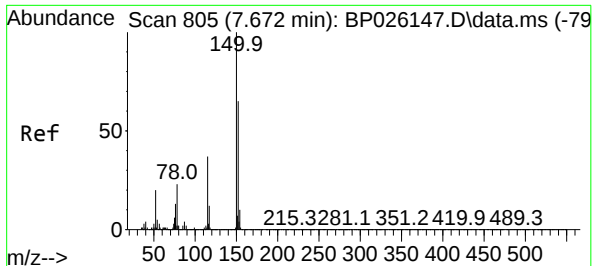
Instrument :
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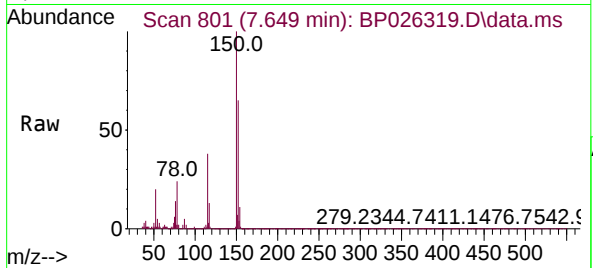
Quant Time: Dec 15 02:20:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 15 01:38:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 805
Delta R.T. -0.023 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

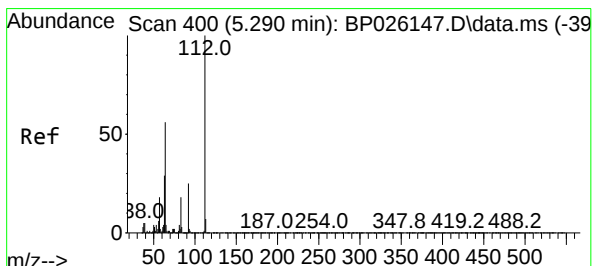
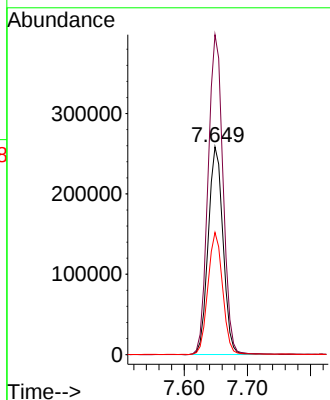
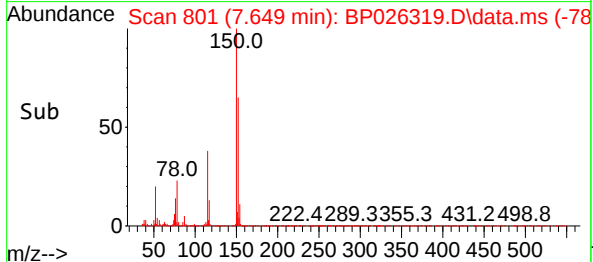
Instrument :
BNA_P
ClientSampleId :
BU-02-12112025



Tgt Ion:152 Resp: 422378
Ion Ratio Lower Upper
152 100
150 154.0 123.0 184.6
115 58.8 46.3 69.5

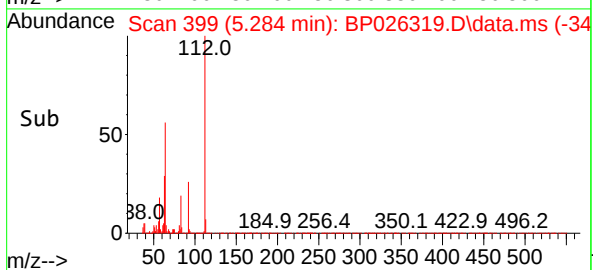
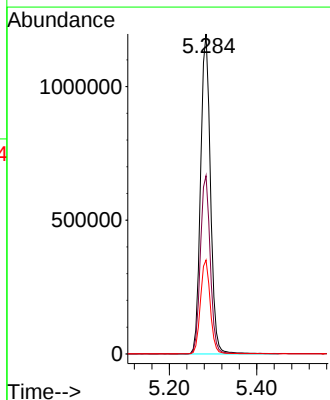
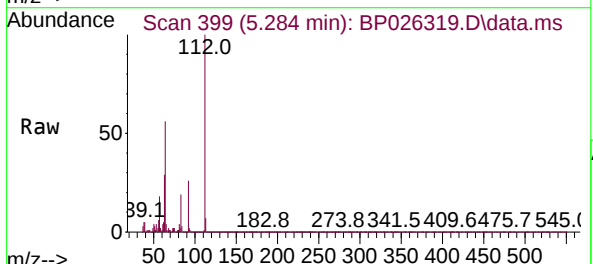
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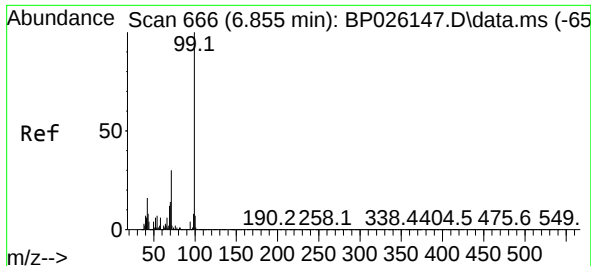
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Supervised By :Jagrut Upadhyay 12/15/2025



#5
2-Fluorophenol
Concen: 70.693 ng
RT: 5.284 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

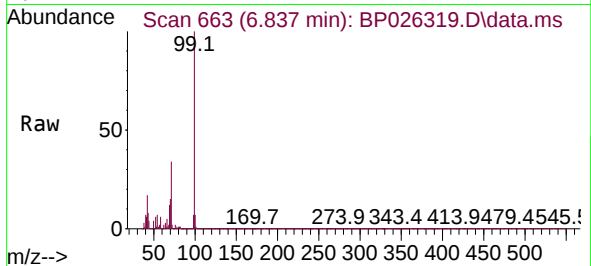
Tgt Ion:112 Resp: 1857264
Ion Ratio Lower Upper
112 100
64 55.7 45.8 68.6
63 29.3 23.5 35.3





#7
Phenol-d6
Concen: 67.932 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.018 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

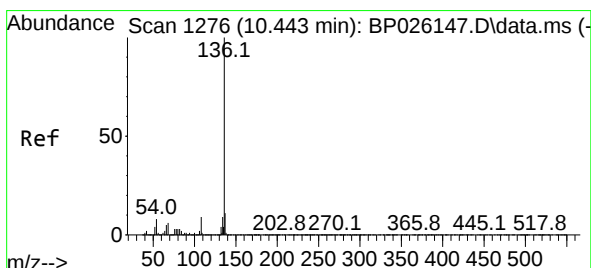
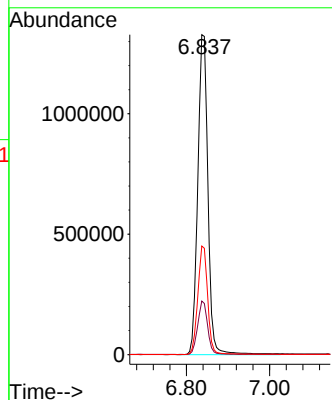
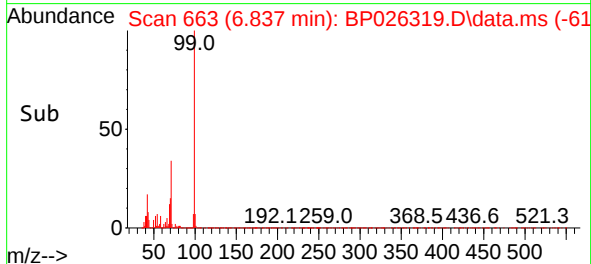
Instrument :
BNA_P
ClientSampleId :
BU-02-12112025



Tgt Ion: 99 Resp: 2252833
Ion Ratio Lower Upper
99 100
42 16.7 12.9 19.3
71 33.9 24.8 37.2

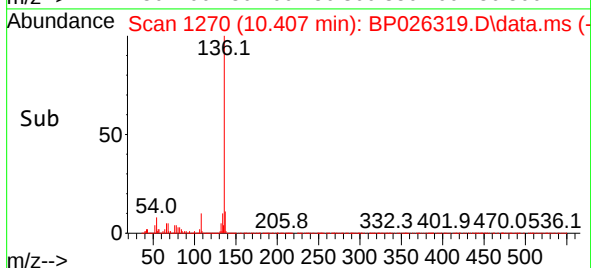
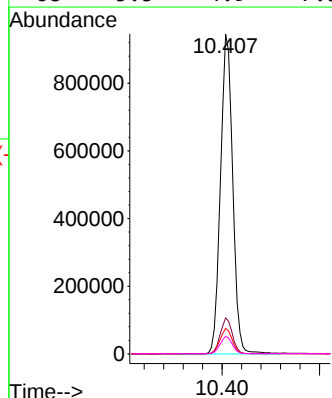
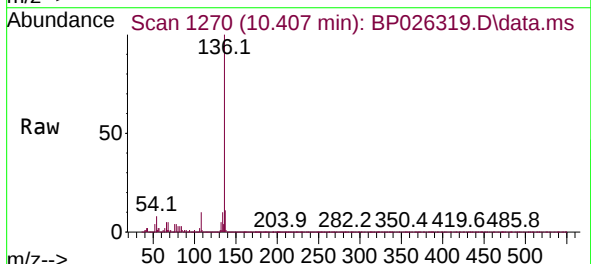
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.407 min Scan# 1270
Delta R.T. -0.035 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

Tgt Ion:136 Resp: 1642712
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 8.0 6.4 9.6
68 5.5 4.9 7.3





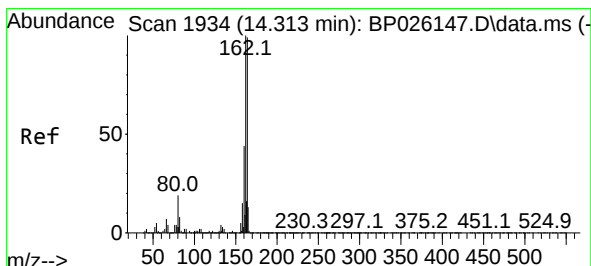
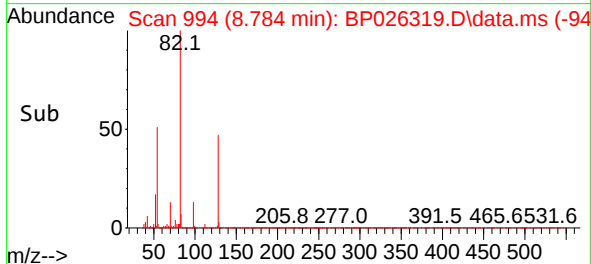
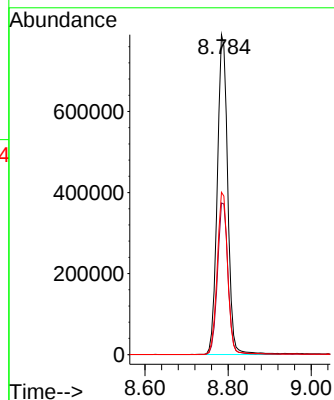
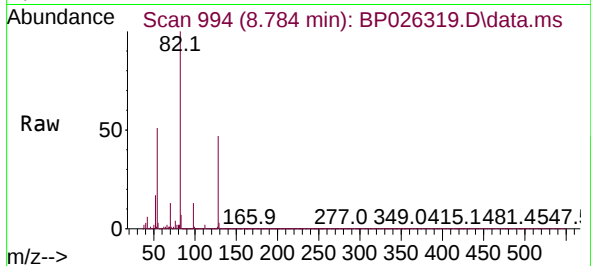
#23
Nitrobenzene-d5
Concen: 47.737 ng
RT: 8.784 min Scan# 999
Delta R.T. -0.030 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

Instrument :
BNA_P
ClientSampleId :
BU-02-12112025

Tgt Ion: 82 Resp: 1377668
Ion Ratio Lower Upper
82 100
128 47.4 37.4 56.0
54 50.7 41.6 62.4

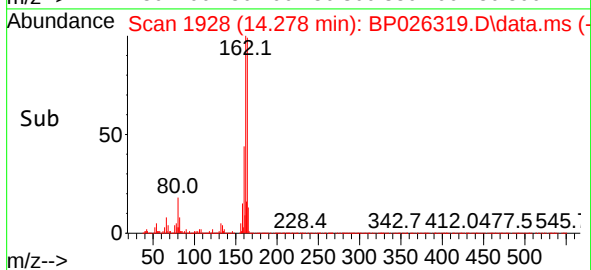
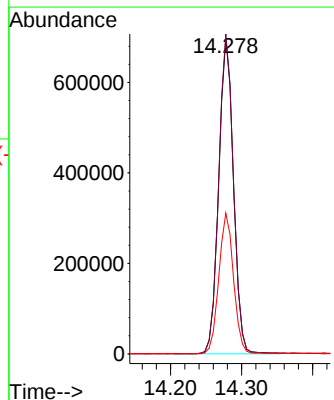
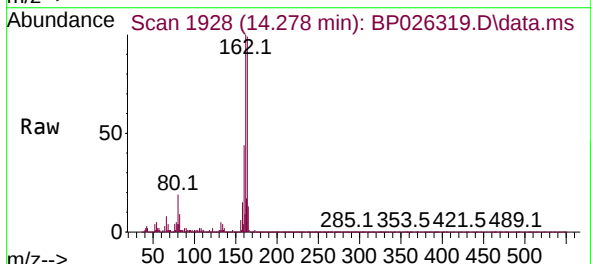
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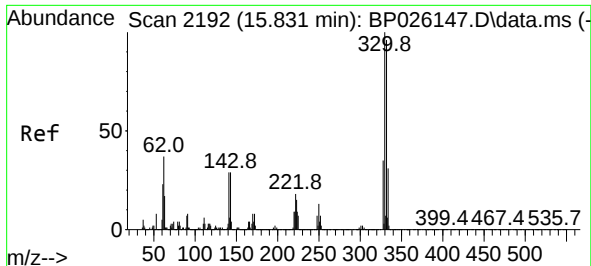
Reviewed By :Rahul Chavli 12/15/2025
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.278 min Scan# 1928
Delta R.T. -0.035 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

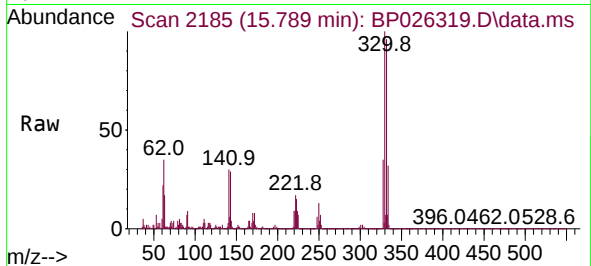
Tgt Ion:164 Resp: 1008230
Ion Ratio Lower Upper
164 100
162 101.4 80.3 120.5
160 44.6 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 74.234 ng
RT: 15.789 min Scan# 2192
Delta R.T. -0.041 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

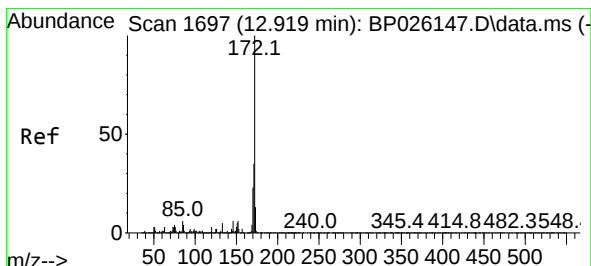
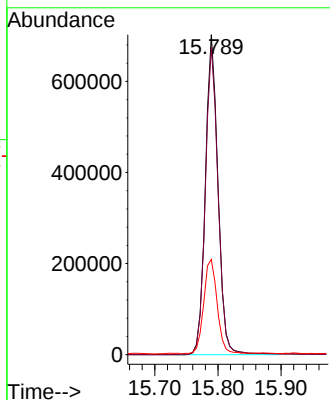
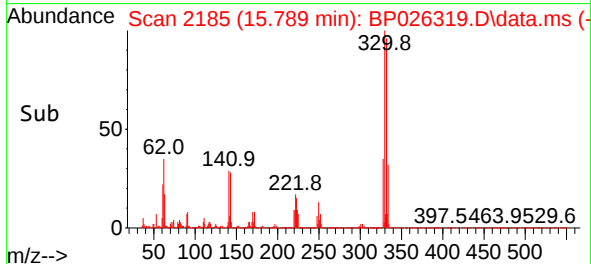
Instrument :
BNA_P
ClientSampleId :
BU-02-12112025



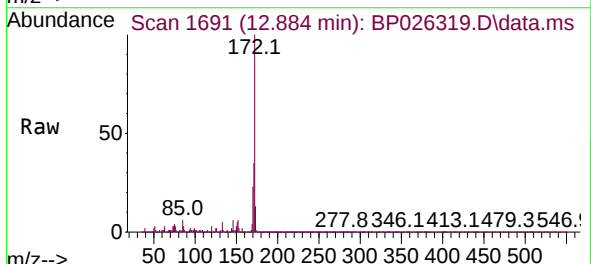
Tgt Ion:330 Resp: 97333
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 31.3 26.8 40.2

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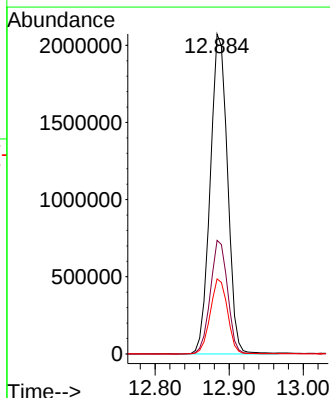
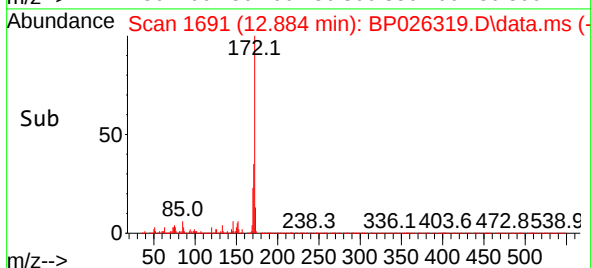
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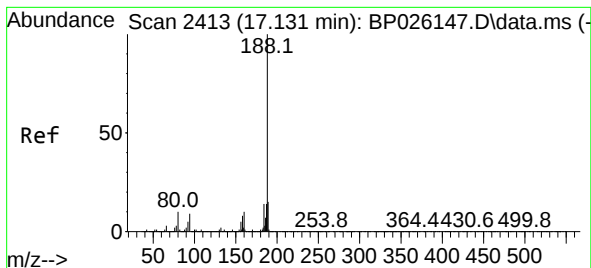


#45
2-Fluorobiphenyl
Concen: 48.459 ng
RT: 12.884 min Scan# 1691
Delta R.T. -0.035 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10



Tgt Ion:172 Resp: 3360526
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.5 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.078 min Scan# 2411

Delta R.T. -0.053 min

Lab File: BP026319.D

Acq: 12 Dec 2025 21:10

Instrument :

BNA_P

ClientSampleId :

BU-02-12112025

Tgt Ion:188 Resp: 1793274

Ion Ratio Lower Upper

188 100

94 8.1 7.8 11.6

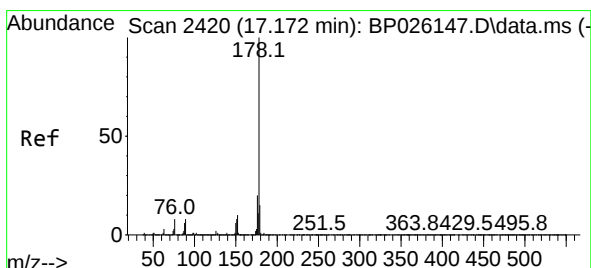
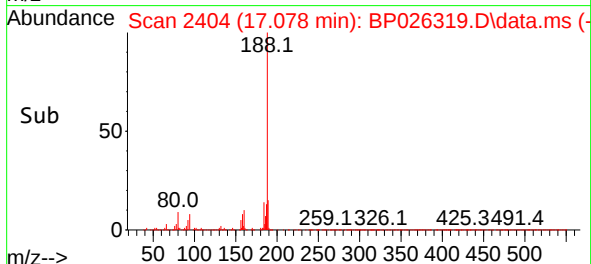
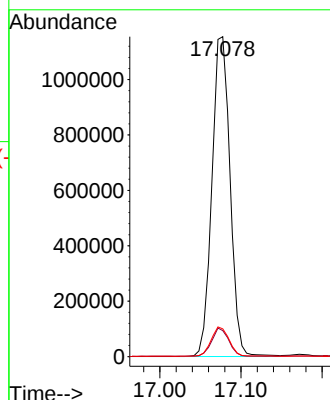
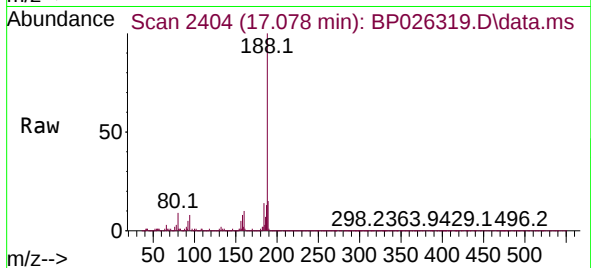
80 8.7 8.2 12.2

Manual Integrations

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#71

Phenanthrene

Concen: 6.650 ng

RT: 17.119 min Scan# 2411

Delta R.T. -0.053 min

Lab File: BP026319.D

Acq: 12 Dec 2025 21:10

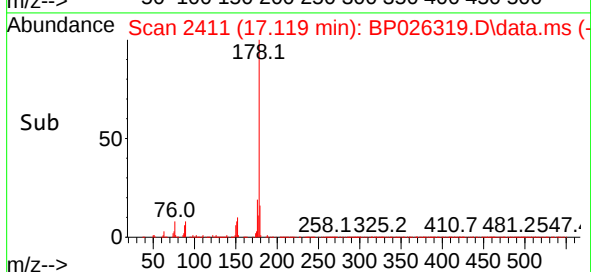
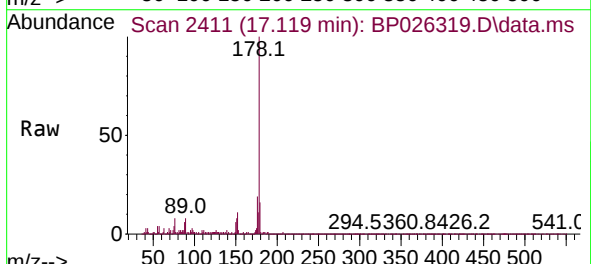
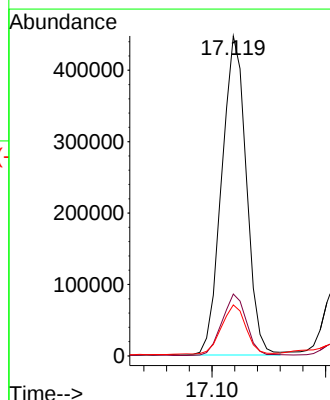
Tgt Ion:178 Resp: 672272

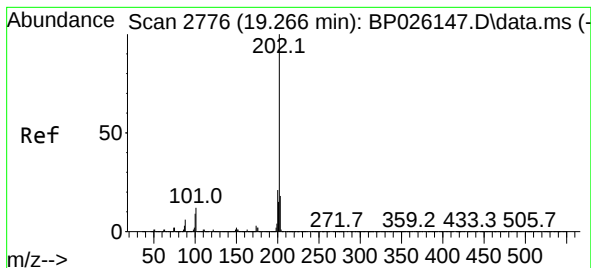
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

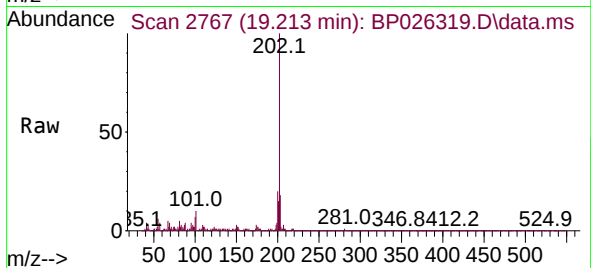
179 15.9 12.4 18.6





#75
Fluoranthene
Concen: 8.030 ng
RT: 19.213 min Scan# 21
Delta R.T. -0.053 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

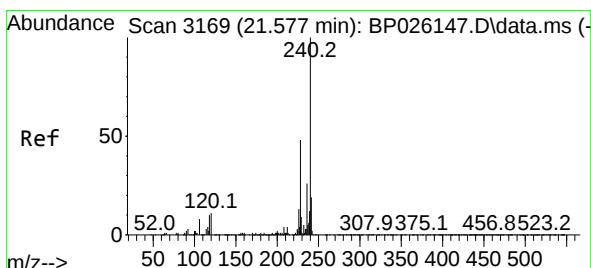
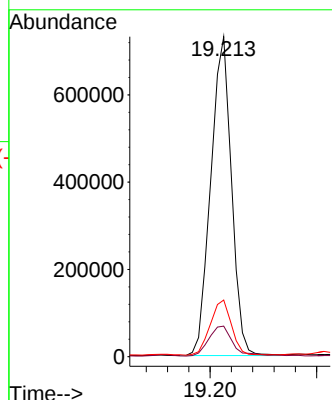
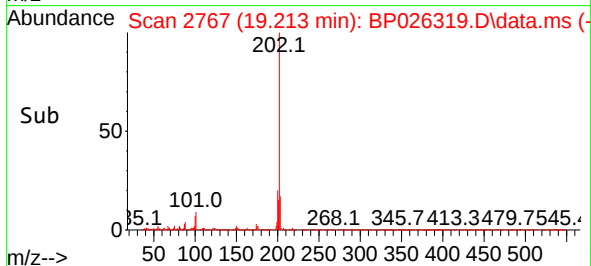
Instrument :
BNA_P
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BU-02-12112025



Tgt Ion:202 Resp: 988009
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.2
203 17.7 0.0 37.7

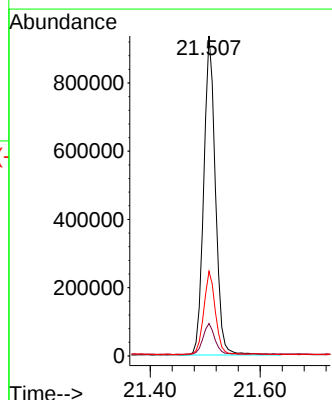
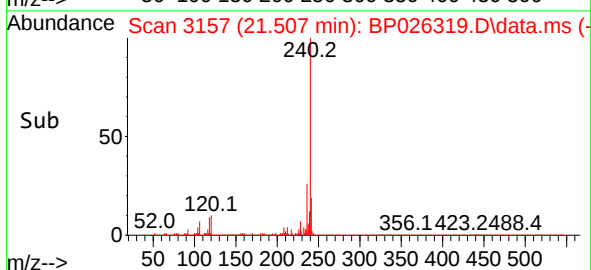
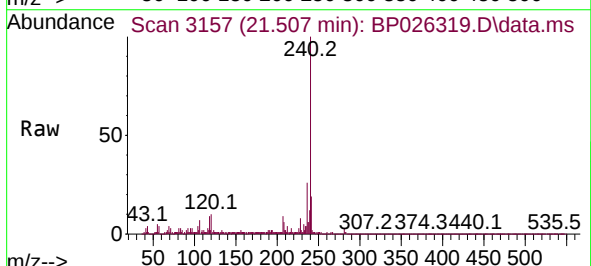
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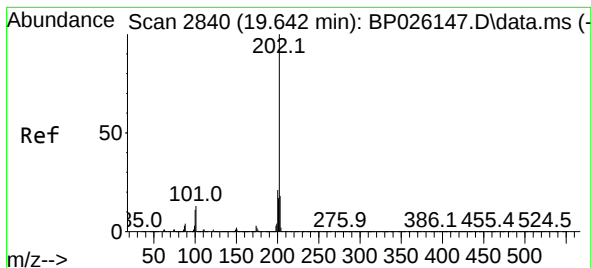
Reviewed By :Rahul Chavli 12/15/2025
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.507 min Scan# 3157
Delta R.T. -0.071 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

Tgt Ion:240 Resp: 1378390
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.4
236 26.4 20.4 30.6





#78

Pyrene

Concen: 9.712 ng

RT: 19.583 min Scan# 28

Delta R.T. -0.059 min

Lab File: BP026319.D

Acq: 12 Dec 2025 21:10

Instrument :

BNA_P

ClientSampleId :

BU-02-12112025

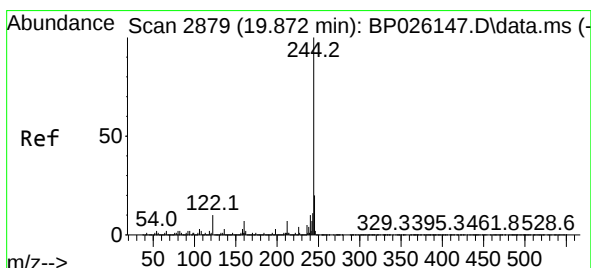
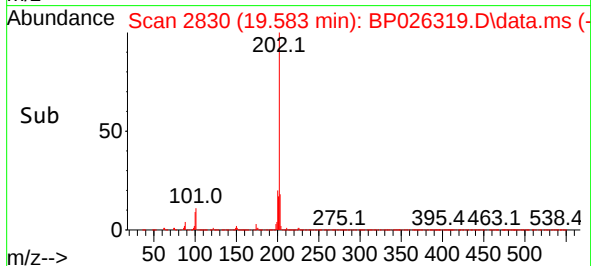
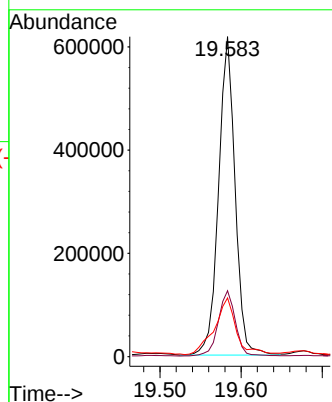
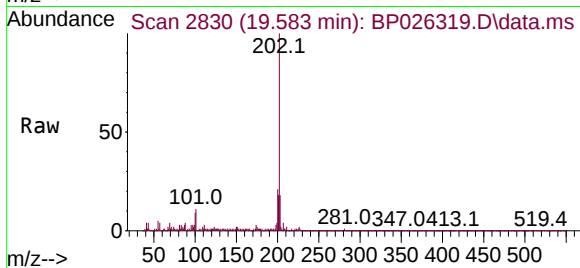
Tgt Ion:	202	Resp:	872405
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.9	25.3
203	18.3	13.8	20.8

Manual Integrations

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#79

Terphenyl-d14

Concen: 54.226 ng

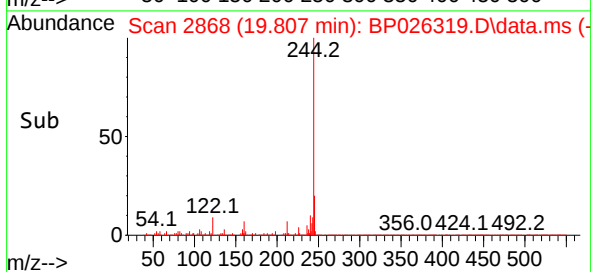
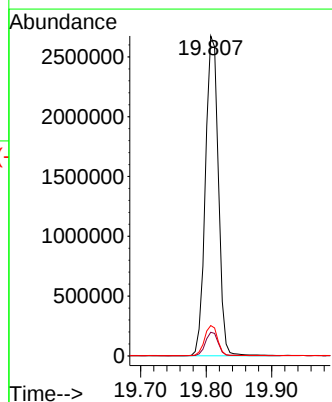
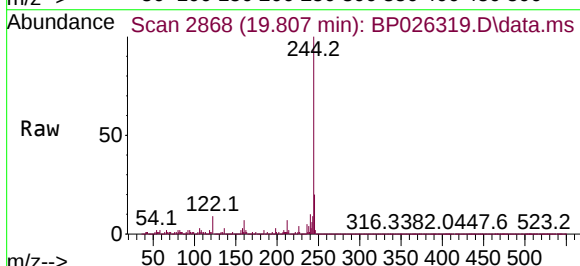
RT: 19.807 min Scan# 2868

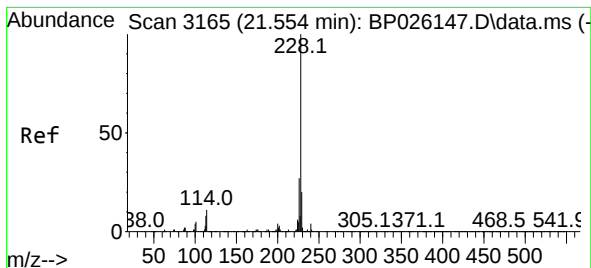
Delta R.T. -0.065 min

Lab File: BP026319.D

Acq: 12 Dec 2025 21:10

Tgt Ion:	244	Resp:	3656902
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.8	8.8
122	9.5	8.2	12.2





#81

Benzo(a)anthracene

Concen: 4.145 ng

RT: 21.489 min Scan# 3154

Delta R.T. -0.065 min

Lab File: BP026319.D

Acq: 12 Dec 2025 21:10

Instrument :

BNA_P

ClientSampleId :

BU-02-12112025

Tgt Ion:228 Resp: 391915

Ion Ratio Lower Upper

228 100

226 29.3 21.8 32.8

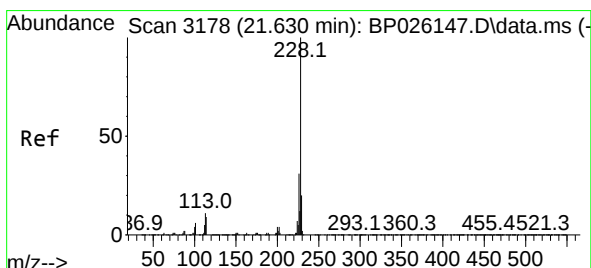
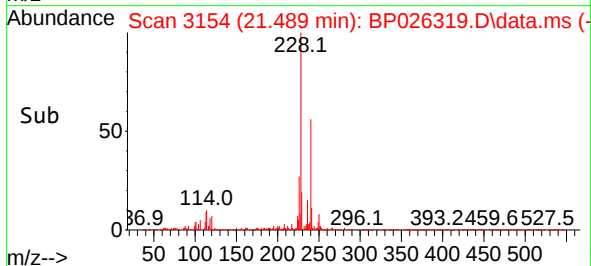
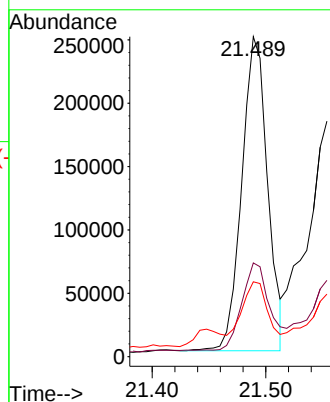
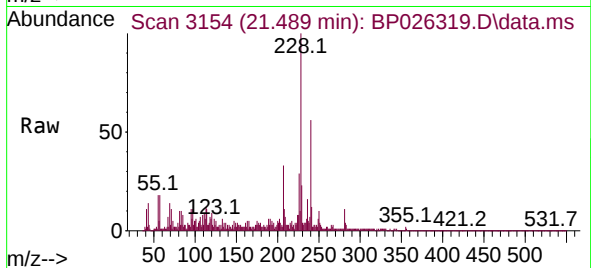
229 23.4 15.9 23.9

Manual Integrations

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Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#83

Chrysene

Concen: 4.687 ng m

RT: 21.554 min Scan# 3165

Delta R.T. -0.077 min

Lab File: BP026319.D

Acq: 12 Dec 2025 21:10

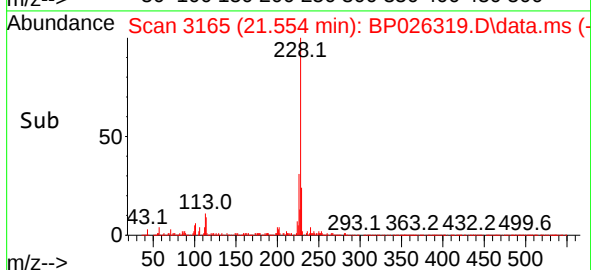
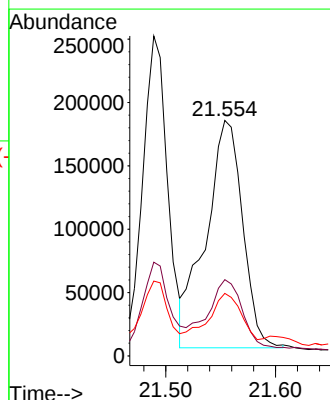
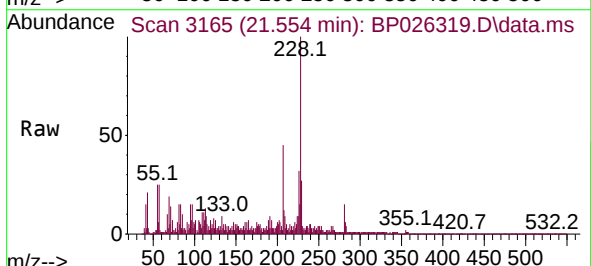
Tgt Ion:228 Resp: 419582

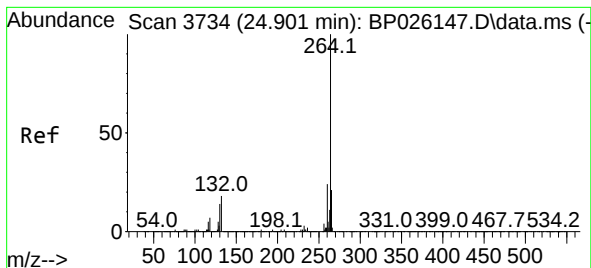
Ion Ratio Lower Upper

228 100

226 32.4 23.9 35.9

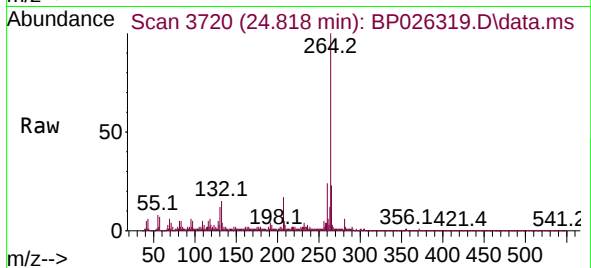
229 26.5 15.9 23.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.818 min Scan# 31
Delta R.T. -0.082 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

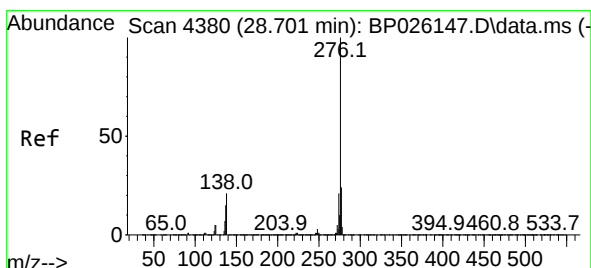
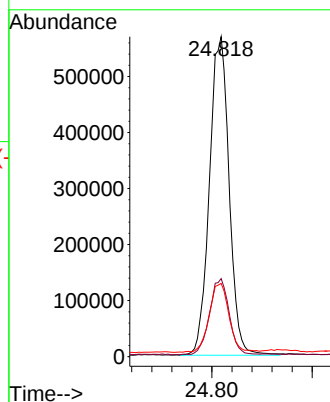
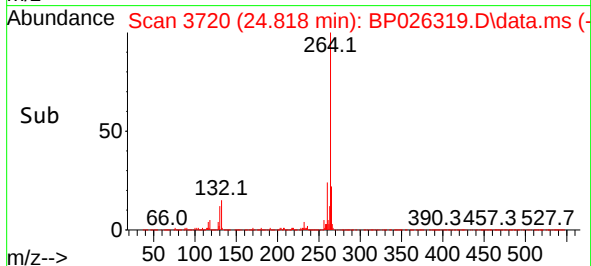
Instrument :
BNA_P
ClientSampleId :
BU-02-12112025



Tgt Ion:264 Resp: 1553759
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 22.9 17.5 26.3

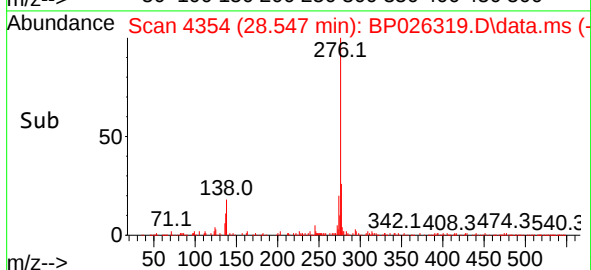
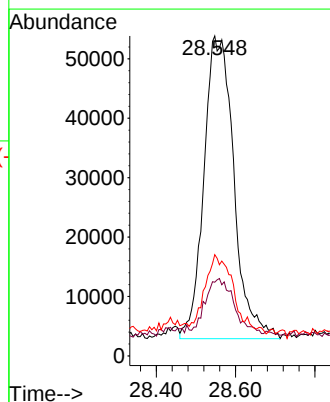
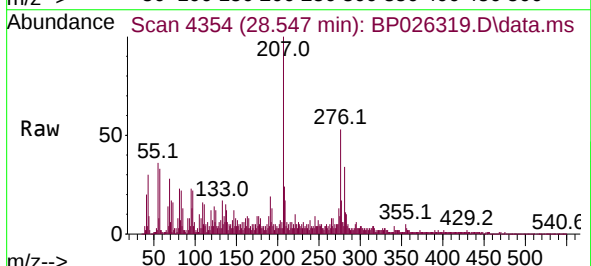
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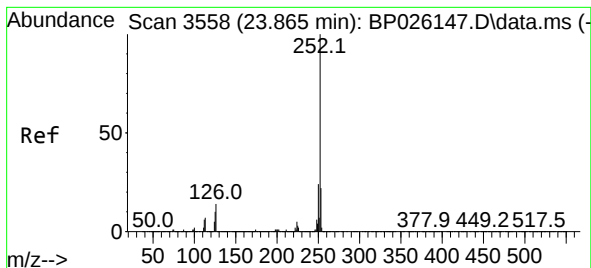
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.277 ng
RT: 28.547 min Scan# 4354
Delta R.T. -0.153 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

Tgt Ion:276 Resp: 267394
Ion Ratio Lower Upper
276 100
138 18.6 13.8 20.8
277 22.3 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 5.679 ng

RT: 23.777 min Scan# 3543

Delta R.T. -0.088 min

Lab File: BP026319.D

Acq: 12 Dec 2025 21:10

Instrument :

BNA_P

ClientSampleId :

BU-02-12112025

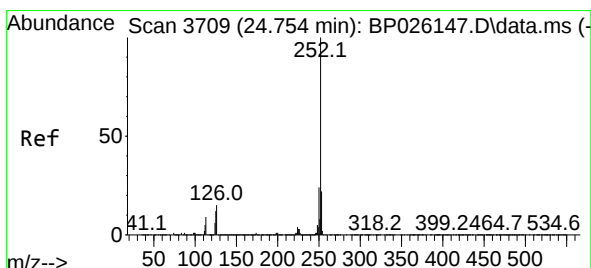
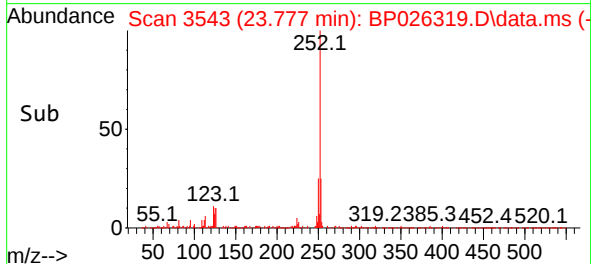
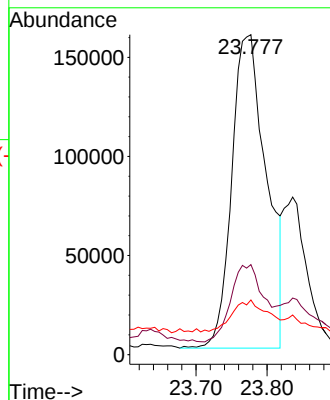
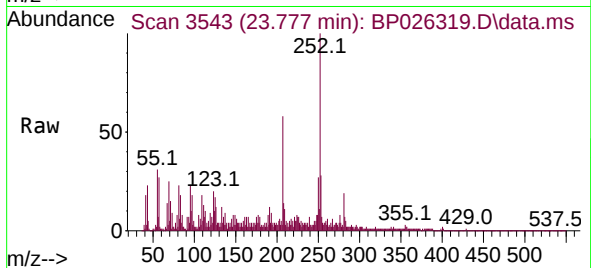
Tgt Ion:252 Resp: 536232
 Ion Ratio Lower Upper
 252 100
 253 28.1 17.6 26.4#
 125 17.1 8.2 12.4#

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: 4.021 ng

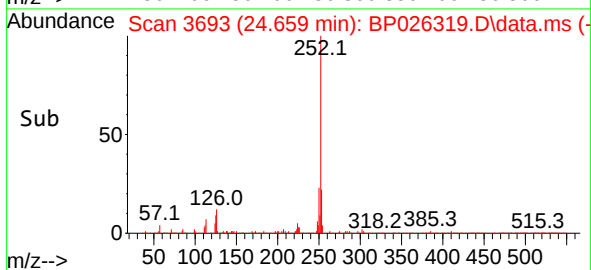
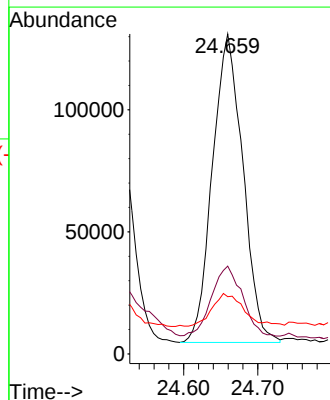
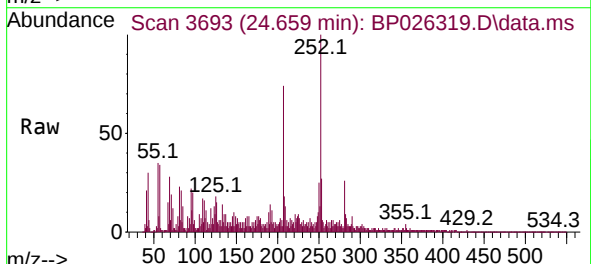
RT: 24.659 min Scan# 3693

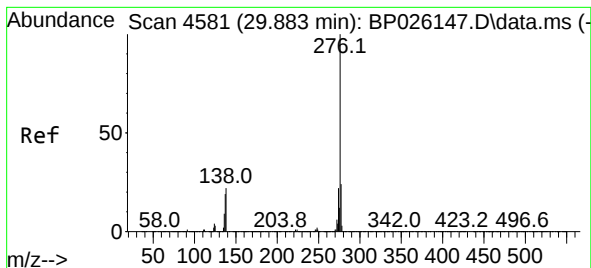
Delta R.T. -0.094 min

Lab File: BP026319.D

Acq: 12 Dec 2025 21:10

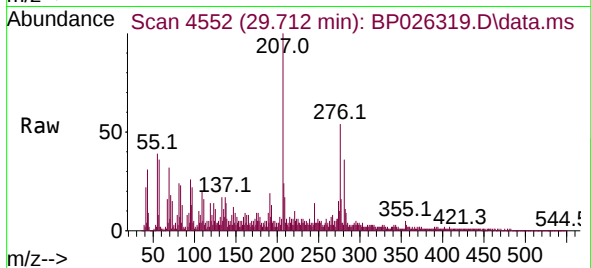
Tgt Ion:252 Resp: 360018
 Ion Ratio Lower Upper
 252 100
 253 27.5 17.4 26.2#
 125 17.9 9.0 13.6#





#92
Benzo(g,h,i)perylene
Concen: 2.930 ng
RT: 29.712 min Scan# 4552
Delta R.T. -0.171 min
Lab File: BP026319.D
Acq: 12 Dec 2025 21:10

Instrument :
BNA_P
ClientSampleId :
BU-02-12112025



Tgt Ion: 276 Resp: 280534
Ion Ratio Lower Upper
276 100
277 30.3 18.8 28.2
138 25.4 17.8 26.6

Manual Integrations
APPROVED

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

