

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
 Data File : BP024919.D
 Acq On : 11 Jun 2025 19:49
 Operator : RC/JU
 Sample : Q2198-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-207-SB02

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Quant Time: Jun 12 01:58:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	281069	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	1088538	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	644187	20.000	ng	0.01
64) Phenanthrene-d10	17.060	188	1235783	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1500245	20.000	ng	0.01
86) Perylene-d12	24.766	264	1863840	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1221377	72.535	ng	0.00
7) Phenol-d6	6.814	99	1591048	71.414	ng	0.00
23) Nitrobenzene-d5	8.761	82	991818	44.275	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	718770	80.704	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	1910609	39.955	ng	0.00
79) Terphenyl-d14	19.789	244	2764041	33.020	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.101	178	365458	5.351	ng	99
75) Fluoranthene	19.189	202	501767	6.339	ng	100
78) Pyrene	19.572	202	474694	5.065	ng	99
81) Benzo(a)anthracene	21.477	228	213141	2.221	ng	97
83) Chrysene	21.542	228	193206m	2.125	ng	
88) Benzo(b)fluoranthene	23.730	252	269531	2.527	ng	# 92
90) Benzo(a)pyrene	24.601	252	215935	2.073	ng	# 91

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

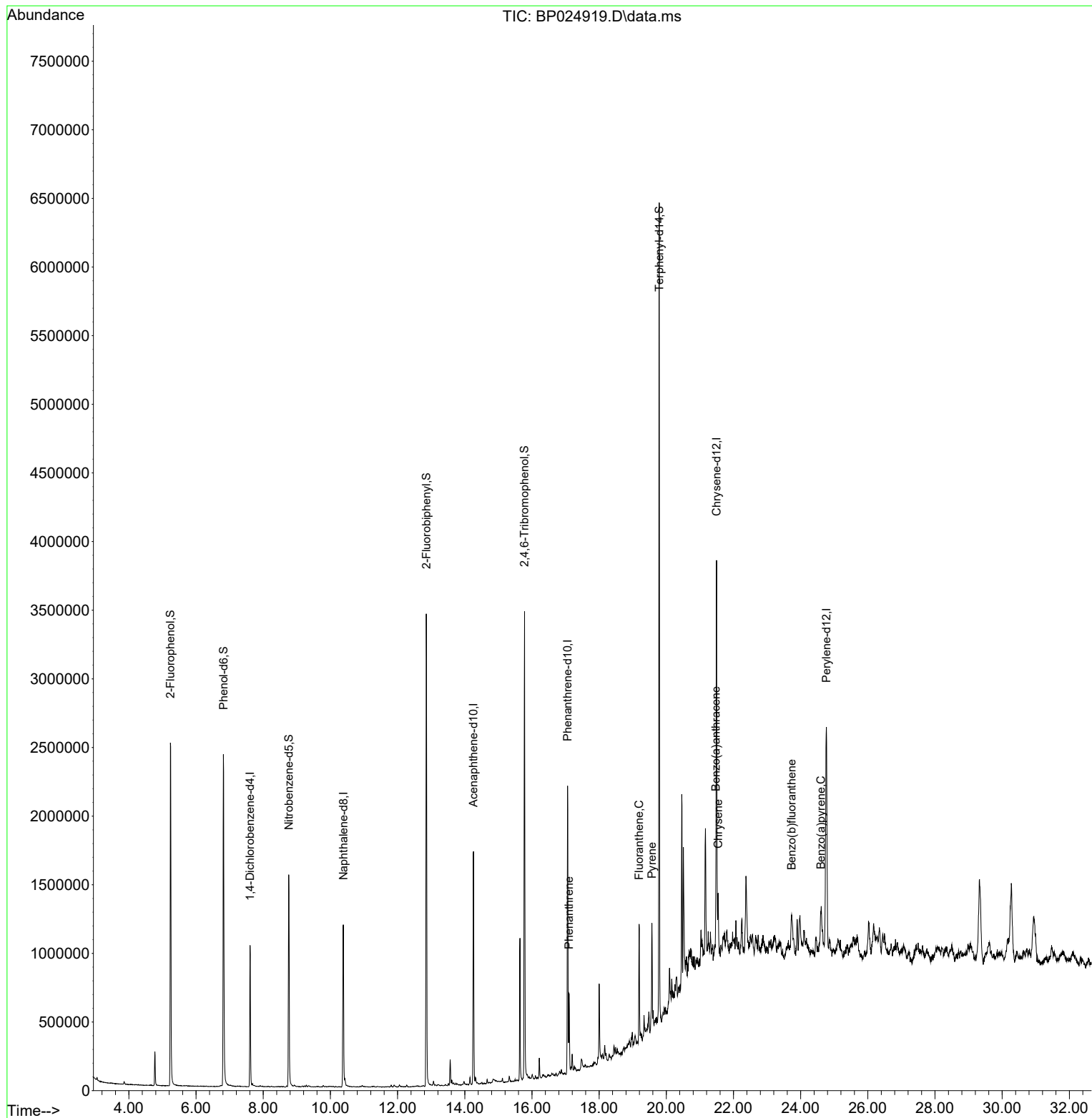
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024919.D
Acq On : 11 Jun 2025 19:49
Operator : RC/JU
Sample : Q2198-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

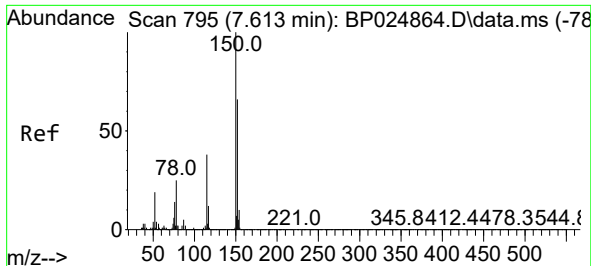
Instrument :
BNA_P
ClientSampleId :
B-207-SB02

Quant Time: Jun 12 01:58:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

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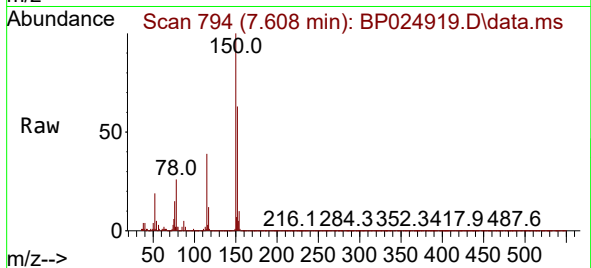
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024919.D
Acq: 11 Jun 2025 19:49

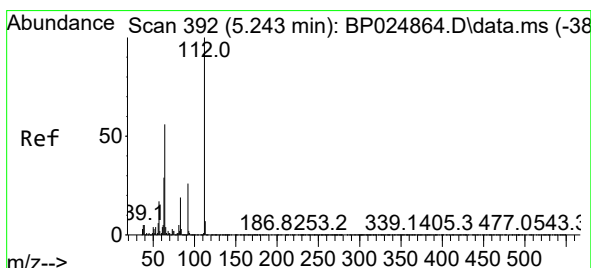
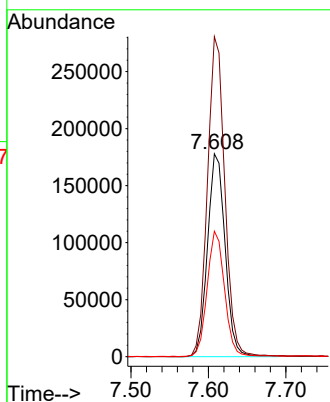
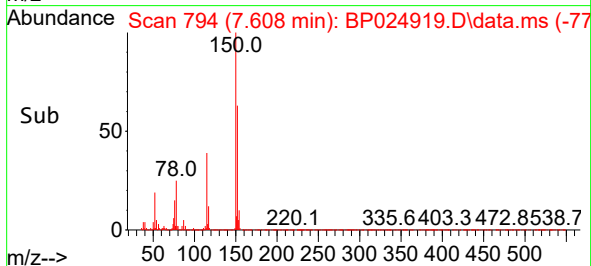
Instrument :
BNA_P
ClientSampleId :
B-207-SB02



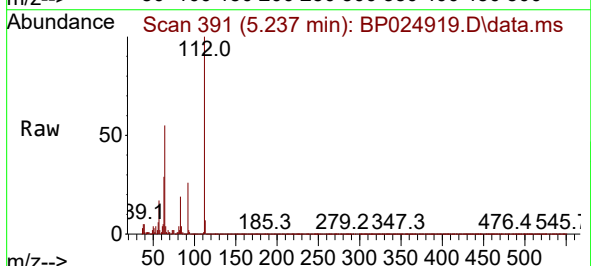
Tgt Ion:152 Resp: 281069
Ion Ratio Lower Upper
152 100
150 157.7 122.1 183.1
115 61.8 46.4 69.6

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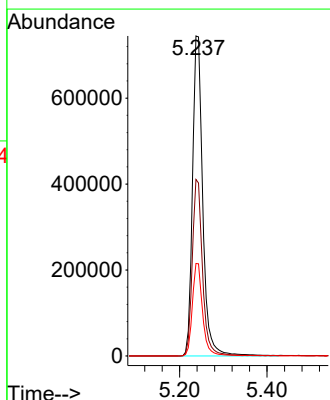
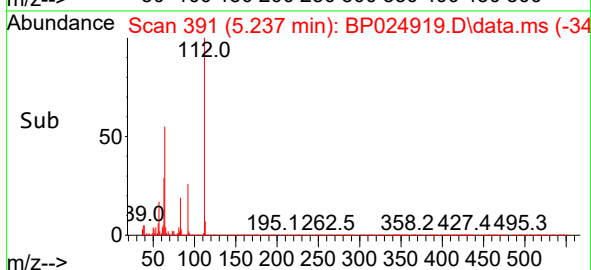
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

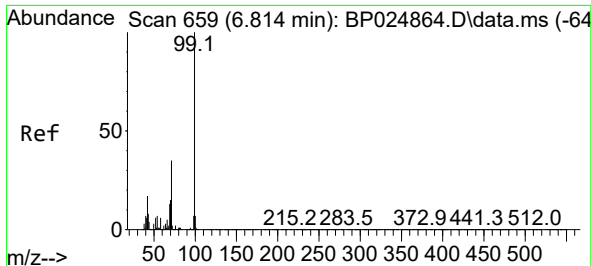


#5
2-Fluorophenol
Concen: 72.535 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024919.D
Acq: 11 Jun 2025 19:49



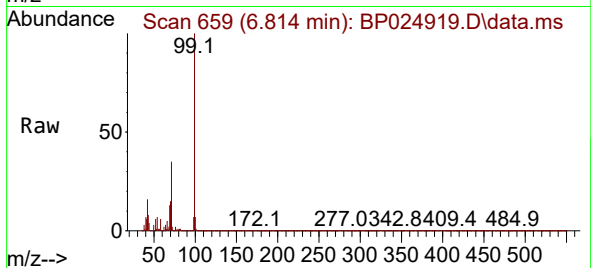
Tgt Ion:112 Resp: 1221377
Ion Ratio Lower Upper
112 100
64 55.1 44.7 67.1
63 28.9 23.5 35.3





#7
Phenol-d6
Concen: 71.414 ng
RT: 6.814 min Scan# 659
Delta R.T. 0.000 min
Lab File: BP024919.D
Acq: 11 Jun 2025 19:49

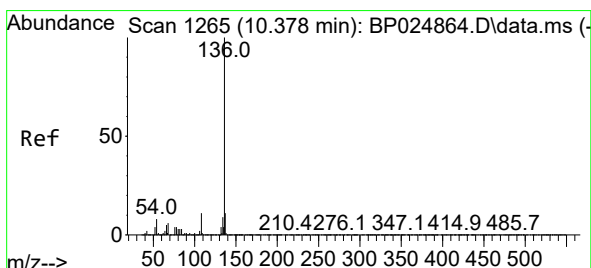
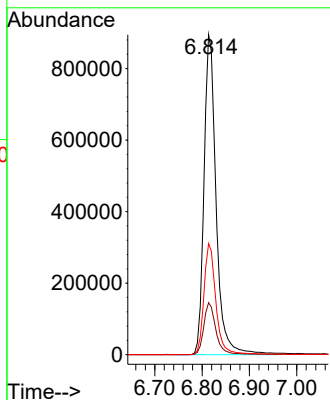
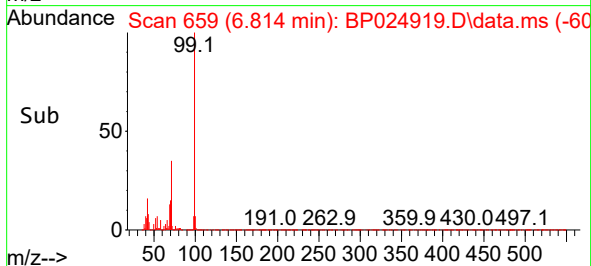
Instrument :
BNA_P
ClientSampleId :
B-207-SB02



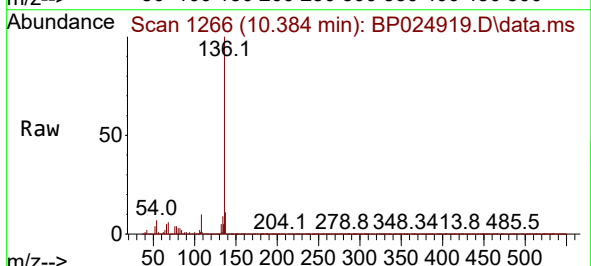
Tgt Ion: 99 Resp: 159104
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.2
71 34.7 27.6 41.4

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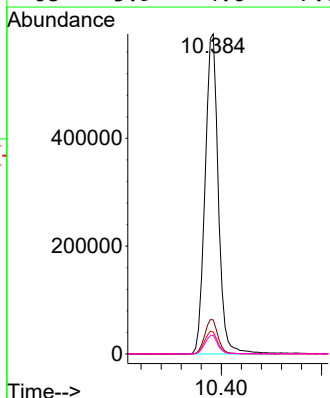
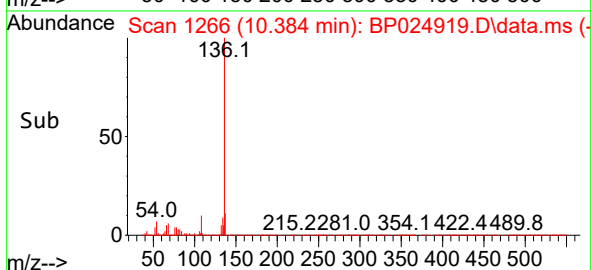
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

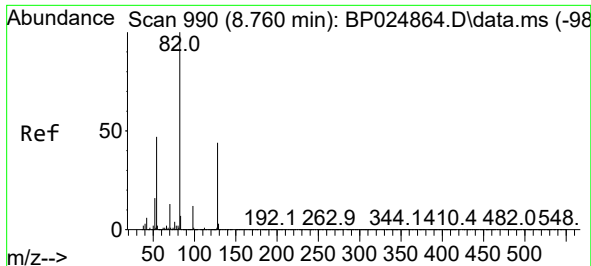


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024919.D
Acq: 11 Jun 2025 19:49



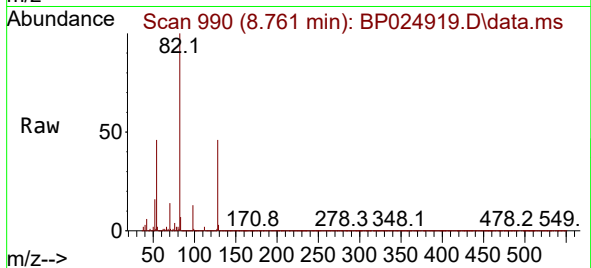
Tgt Ion:136 Resp: 1088538
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.8 6.1 9.1
68 5.9 4.6 7.0





#23
Nitrobenzene-d5
Concen: 44.275 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024919.D
Acq: 11 Jun 2025 19:49

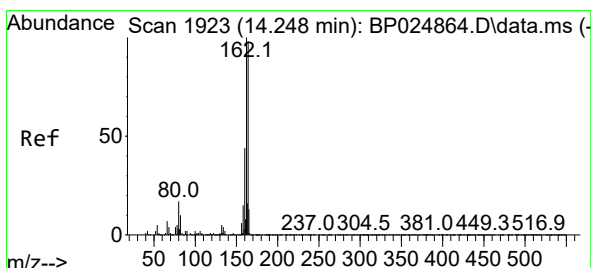
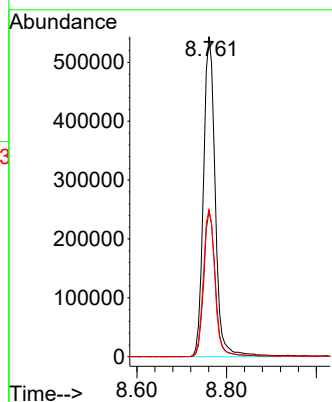
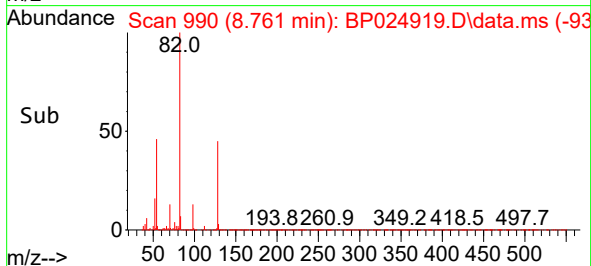
Instrument :
BNA_P
ClientSampleId :
B-207-SB02



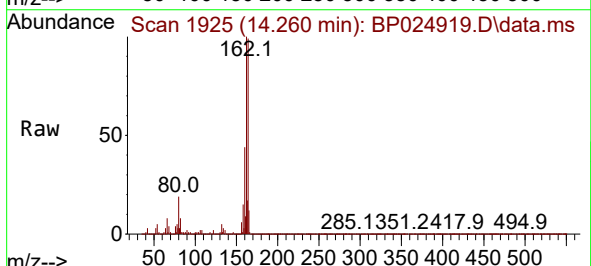
Tgt Ion: 82 Resp: 991818
Ion Ratio Lower Upper
82 100
128 45.5 35.3 52.9
54 45.9 37.4 56.0

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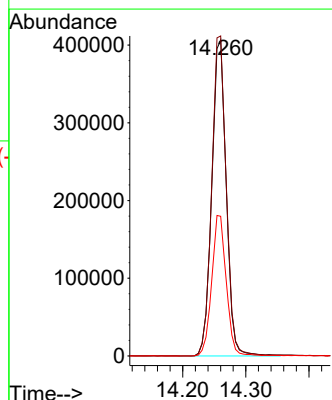
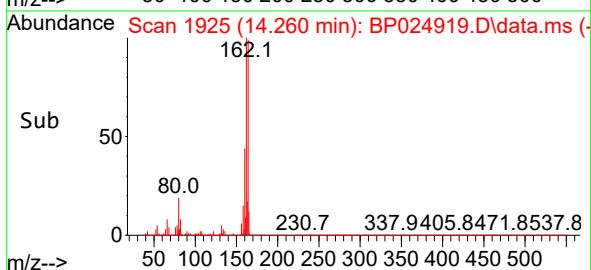
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

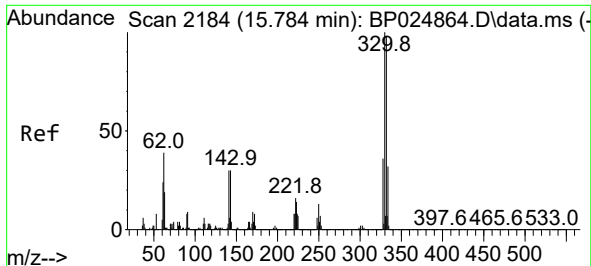


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP024919.D
Acq: 11 Jun 2025 19:49



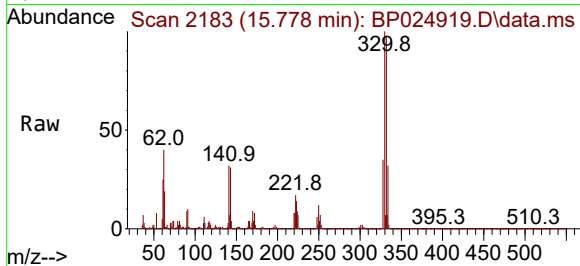
Tgt Ion:164 Resp: 644187
Ion Ratio Lower Upper
164 100
162 101.3 81.6 122.4
160 44.2 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 80.704 ng
RT: 15.778 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BP024919.D
Acq: 11 Jun 2025 19:49

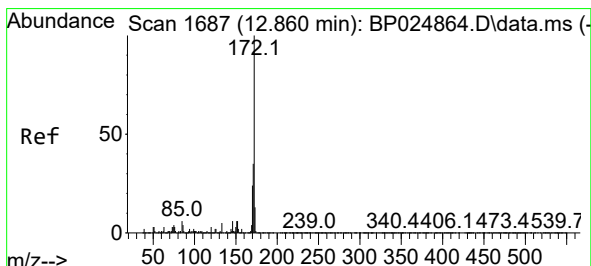
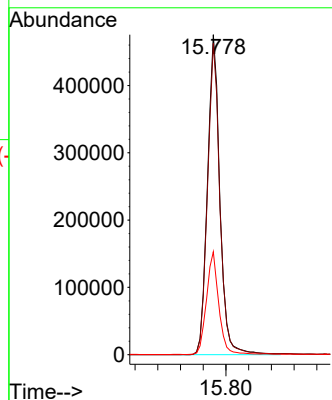
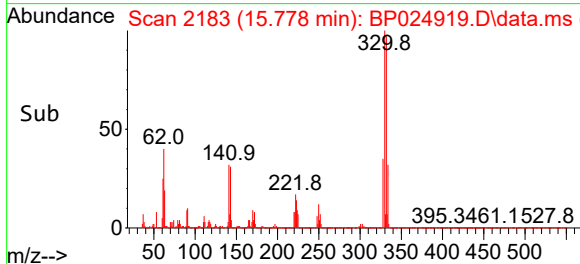
Instrument :
BNA_P
ClientSampleId :
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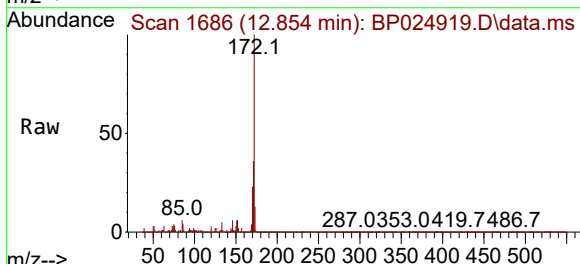
Tgt Ion: 330 Resp: 718770
Ion Ratio Lower Upper
330 100
332 96.9 77.7 116.5
141 31.9 26.4 39.6

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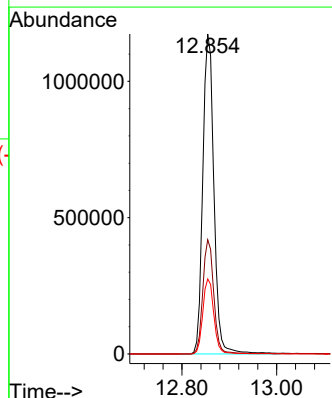
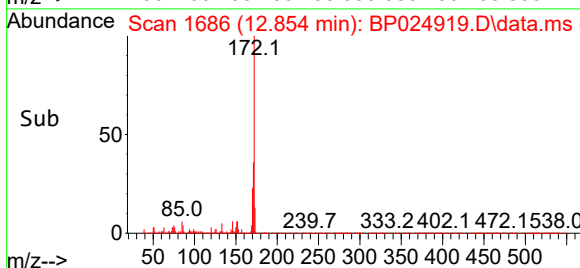
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

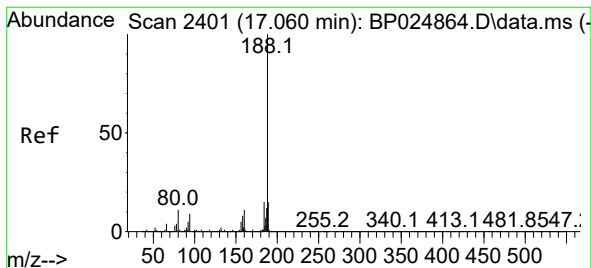


#45
2-Fluorobiphenyl
Concen: 39.955 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024919.D
Acq: 11 Jun 2025 19:49



Tgt Ion: 172 Resp: 1910609
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 23.5 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.060 min Scan# 2401

Delta R.T. 0.000 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

Instrument :

BNA_P

ClientSampleId :

B-207-SB02

Tgt Ion:188 Resp: 123578

Ion Ratio Lower Upper

188 100

94 9.3 7.3 10.9

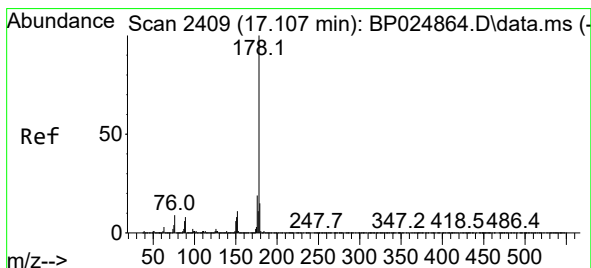
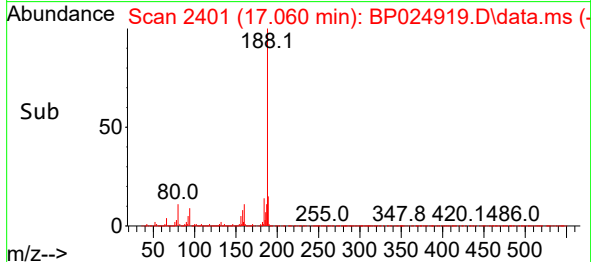
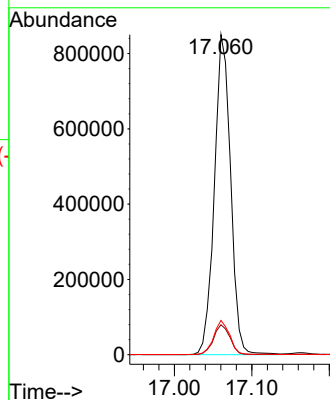
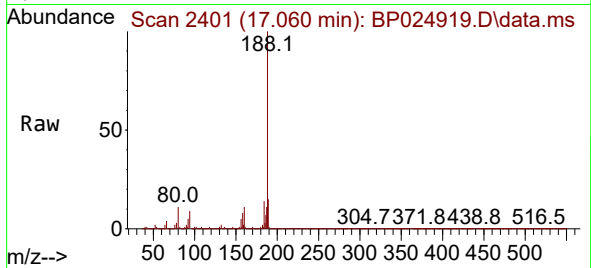
80 10.7 8.5 12.7

Manual Integrations

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Reviewed By :Anahy Claudio 06/12/2025

Supervised By :mohammad ahmed 06/13/2025



#71

Phenanthrene

Concen: 5.351 ng

RT: 17.101 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

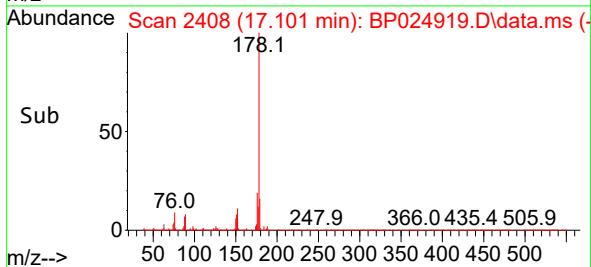
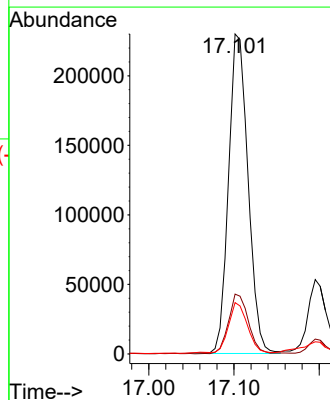
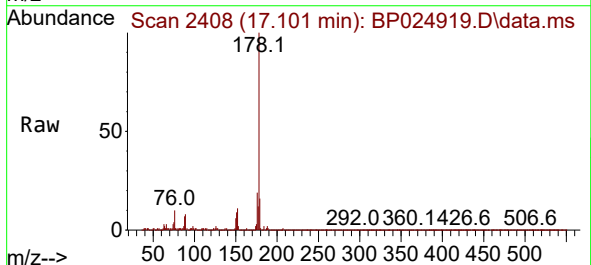
Tgt Ion:178 Resp: 365458

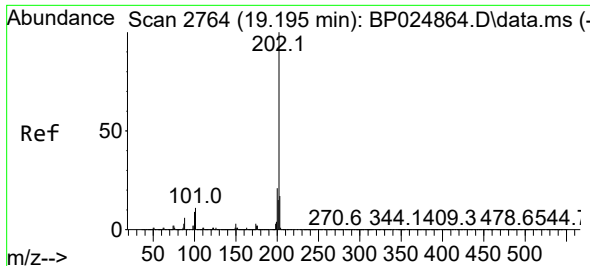
Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

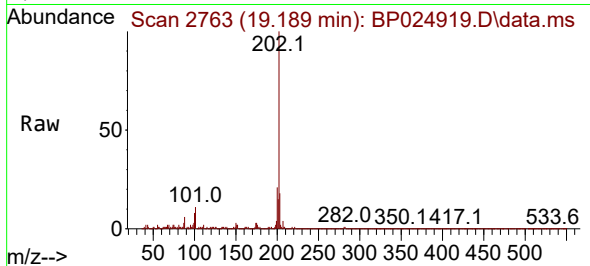
179 16.0 12.1 18.1





#75
Fluoranthene
Concen: 6.339 ng
RT: 19.189 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024919.D
Acq: 11 Jun 2025 19:49

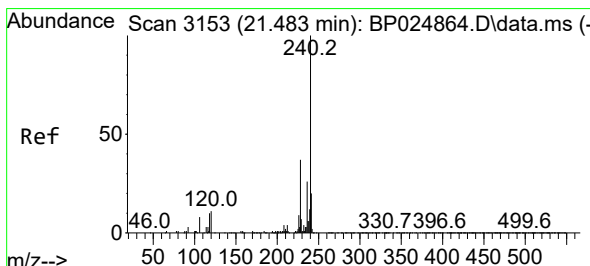
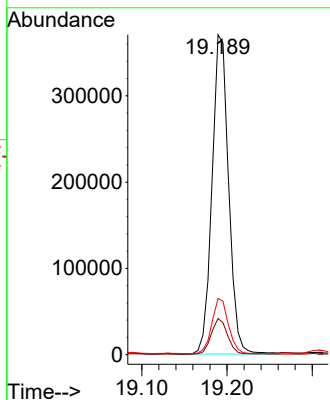
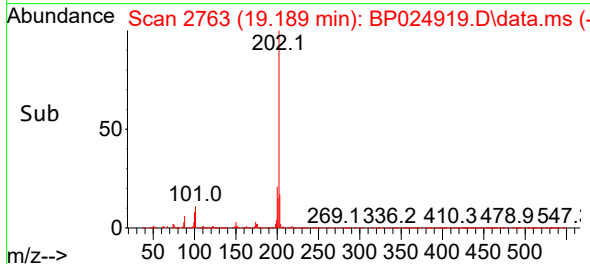
Instrument :
BNA_P
ClientSampleId :
B-207-SB02



Tgt Ion: 202 Resp: 50176
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.4
203 17.5 0.0 37.5

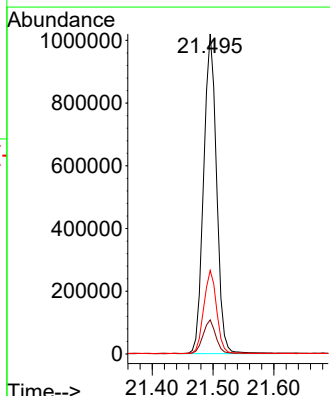
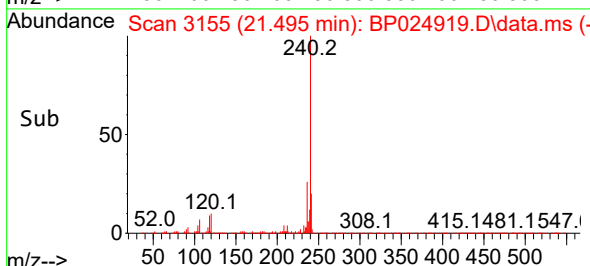
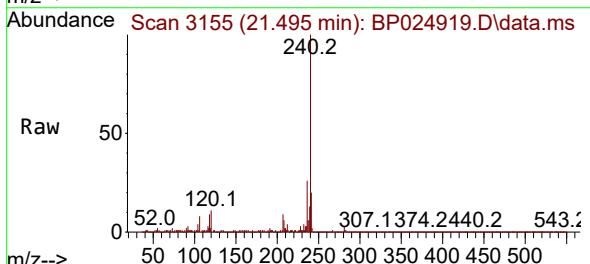
Manual Integrations
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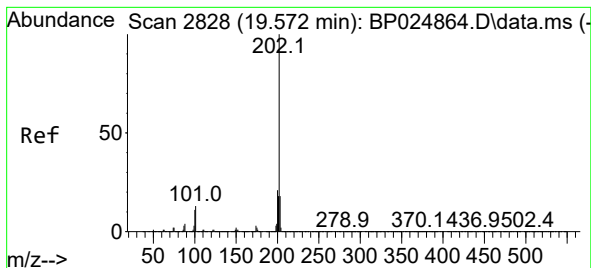
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024919.D
Acq: 11 Jun 2025 19:49

Tgt Ion: 240 Resp: 1500245
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 26.1 20.9 31.3





#78

Pyrene

Concen: 5.065 ng

RT: 19.572 min Scan# 2828

Delta R.T. 0.000 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

Instrument :

BNA_P

ClientSampleId :

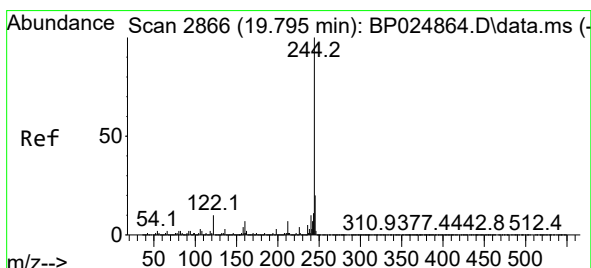
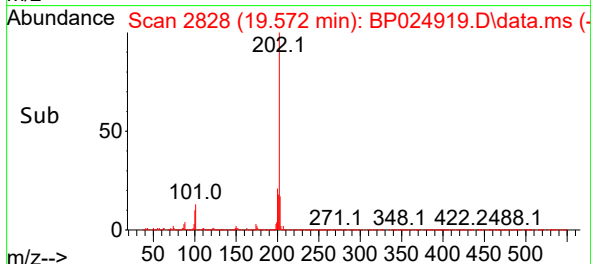
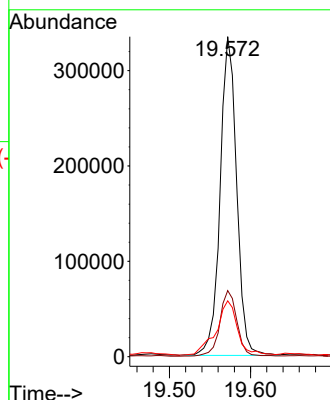
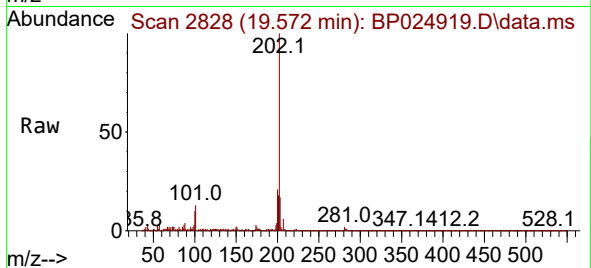
B-207-SB02

Tgt Ion:	202	Resp:	474694
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.1	25.7
203	17.4	14.0	21.0

Manual Integrations

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Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



#79

Terphenyl-d14

Concen: 33.020 ng

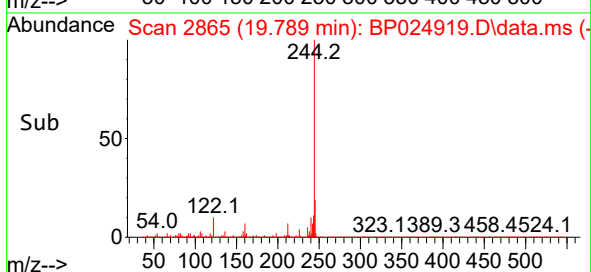
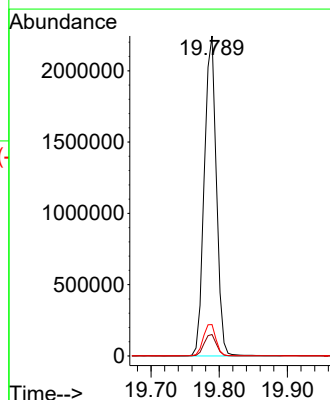
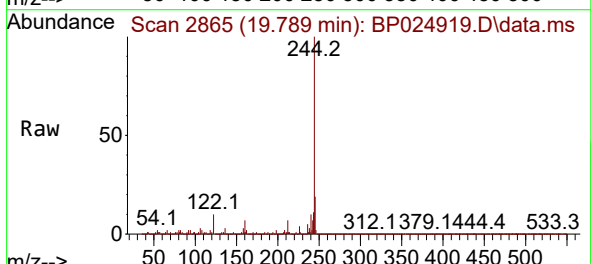
RT: 19.789 min Scan# 2865

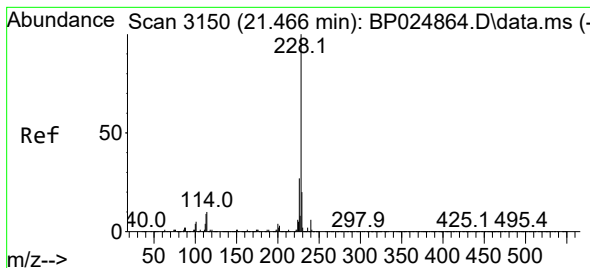
Delta R.T. -0.006 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

Tgt Ion:	244	Resp:	2764041
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.6	8.4
122	9.8	7.7	11.5





#81

Benzo(a)anthracene

Concen: 2.221 ng

RT: 21.477 min Scan# 3150

Delta R.T. 0.012 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

Instrument :

BNA_P

ClientSampleId :

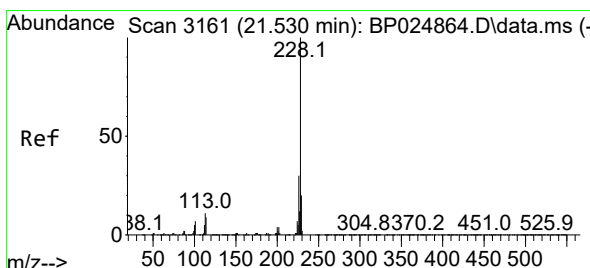
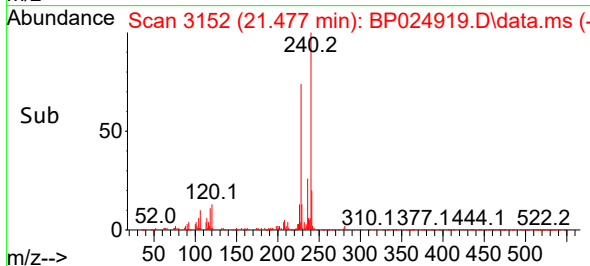
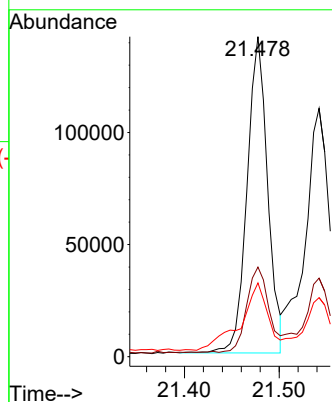
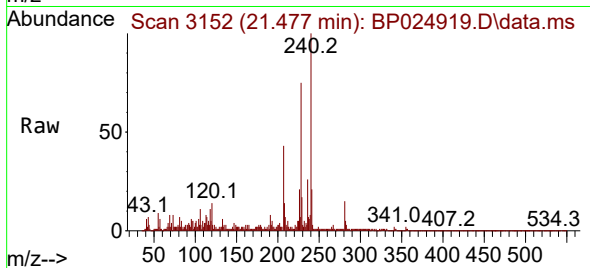
B-207-SB02

Tgt Ion:228 Resp: 21314
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.1 33.1
 229 23.1 15.9 23.9

Manual Integrations

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Reviewed By :Anahy Claudio 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025



#83

Chrysene

Concen: 2.125 ng m

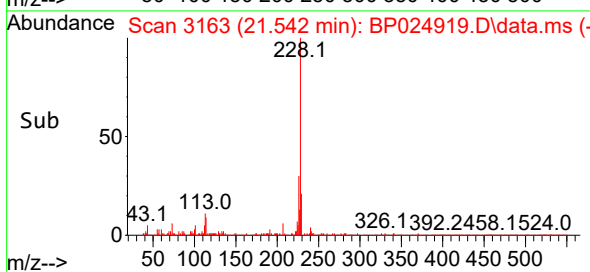
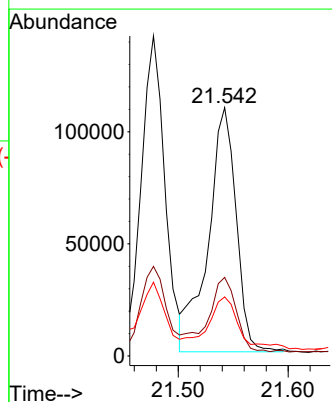
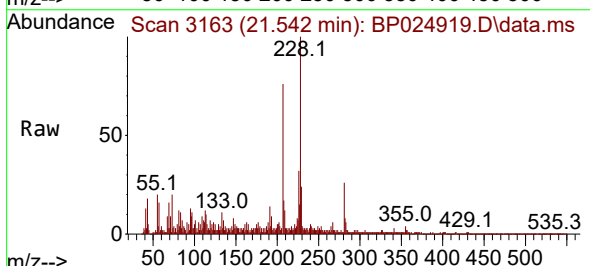
RT: 21.542 min Scan# 3163

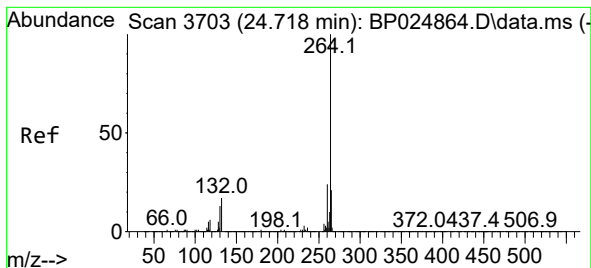
Delta R.T. 0.012 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

Tgt Ion:228 Resp: 193206
 Ion Ratio Lower Upper
 228 100
 226 31.7 23.8 35.6
 229 23.8 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.766 min Scan# 31

Delta R.T. 0.047 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

Instrument :

BNA_P

ClientSampleId :

B-207-SB02

Tgt Ion:264 Resp: 1863840

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

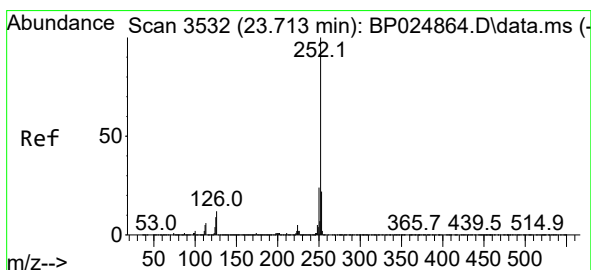
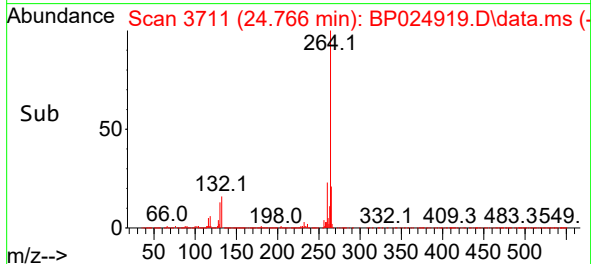
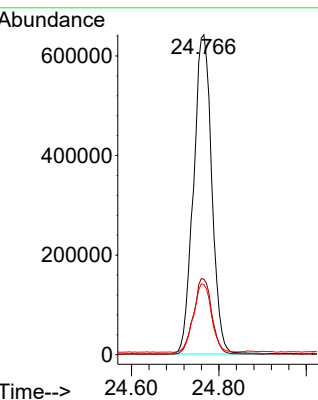
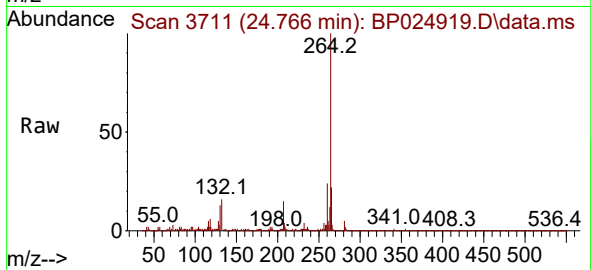
265 21.9 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/12/2025

Supervised By :mohammad ahmed 06/13/2025



#88

Benzo(b)fluoranthene

Concen: 2.527 ng

RT: 23.730 min Scan# 3535

Delta R.T. 0.018 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

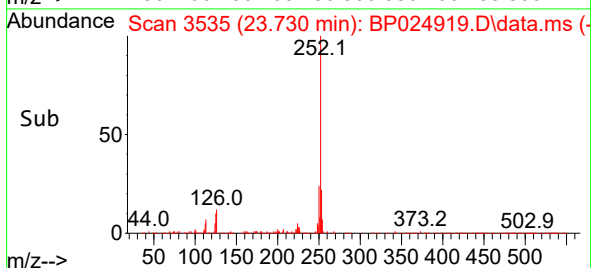
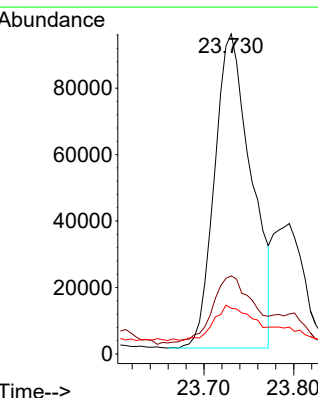
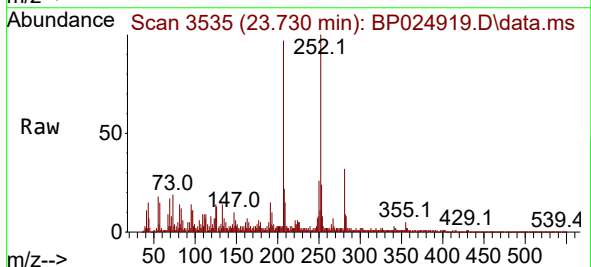
Tgt Ion:252 Resp: 269531

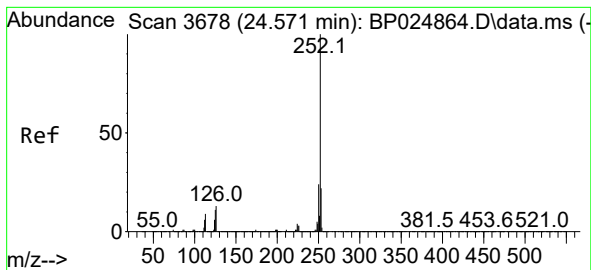
Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 14.3 7.1 10.7#





#90

Benzo(a)pyrene

Concen: 2.073 ng

RT: 24.601 min Scan# 30

Delta R.T. 0.029 min

Lab File: BP024919.D

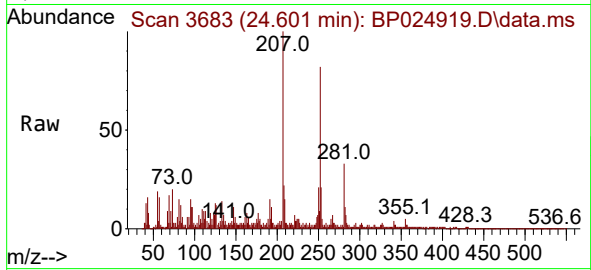
Acq: 11 Jun 2025 19:49

Instrument :

BNA_P

ClientSampleId :

B-207-SB02



Tgt Ion:252 Resp: 21593

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

125 15.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

