

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142756.D
 Acq On : 12 Jun 2025 14:29
 Operator : RC/JU
 Sample : Q2280-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/13/2025
 Supervised By :mohammad ahmed 06/13/2025

Quant Time: Jun 12 15:23:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	69390	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	259014	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	125127	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	176934	20.000	ng	0.00
76) Chrysene-d12	14.063	240	142377	20.000	ng	0.00
86) Perylene-d12	15.557	264	165322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	305605	75.009	ng	0.00
7) Phenol-d6	6.516	99	364324	75.984	ng	0.00
23) Nitrobenzene-d5	7.451	82	226102	47.774	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	91941	67.043	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	519390	55.147	ng	0.00
79) Terphenyl-d14	13.004	244	381782	36.829	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	36131	3.812	ng	99
75) Fluoranthene	12.633	202	53643	5.951	ng	99
78) Pyrene	12.863	202	42857	3.239	ng	99
83) Chrysene	14.086	228	25370	2.912	ng	97
88) Benzo(b)fluoranthene	15.121	252	36958m	3.797	ng	
90) Benzo(a)pyrene	15.492	252	20087	2.170	ng	# 93

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

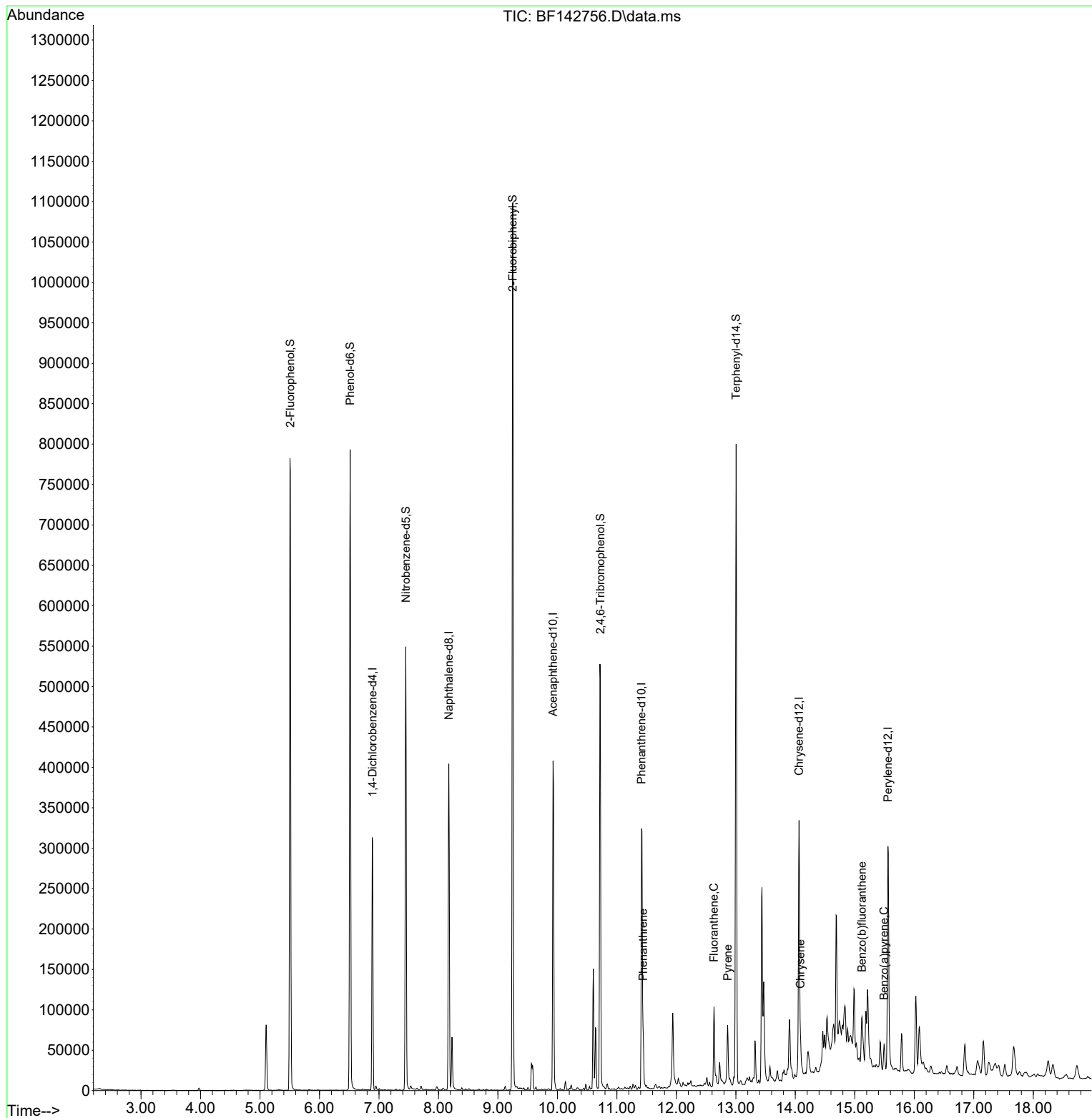
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142756.D
Acq On : 12 Jun 2025 14:29
Operator : RC/JU
Sample : Q2280-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

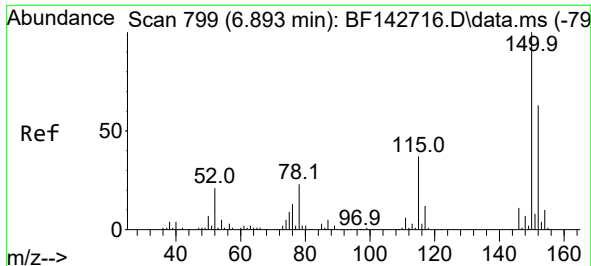
Instrument :
BNA_F
ClientSampleId :
VNJ-210

Quant Time: Jun 12 15:23:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Manual Integrations
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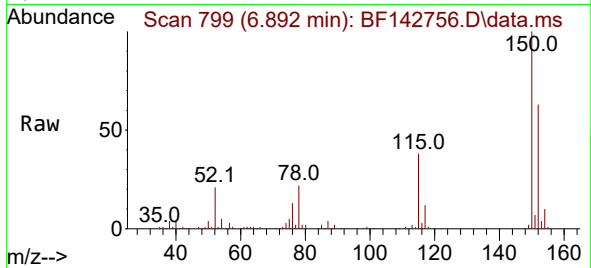
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

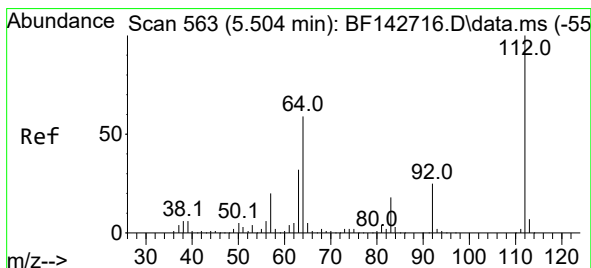
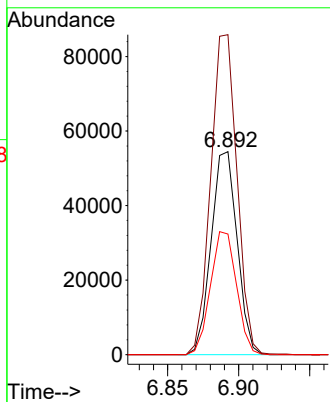
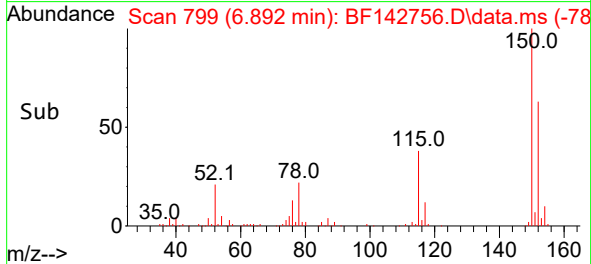
Instrument :
BNA_F
ClientSampleId :
VNJ-210



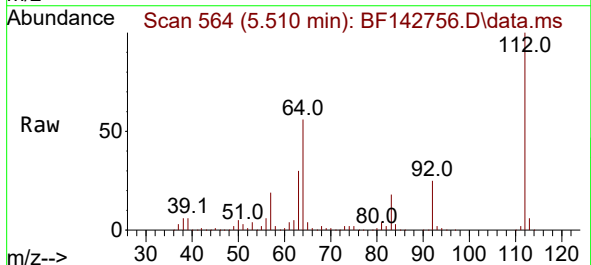
Tgt Ion:152 Resp: 69390
Ion Ratio Lower Upper
152 100
150 157.7 126.9 190.3
115 59.4 47.0 70.6

Manual Integrations
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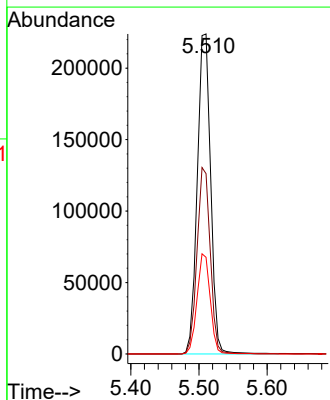
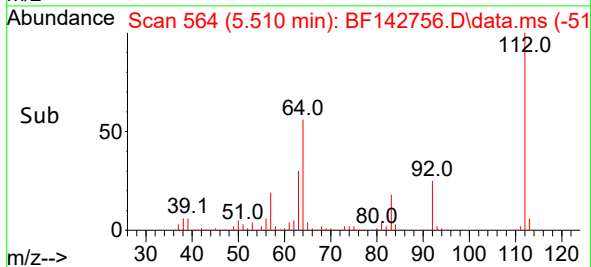
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

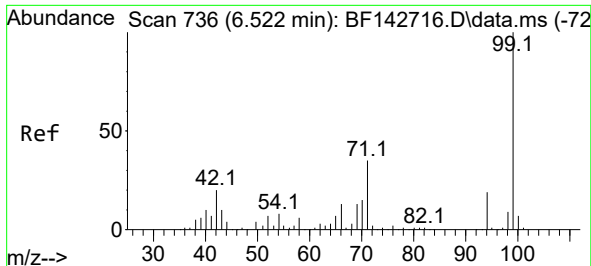


#5
2-Fluorophenol
Concen: 75.009 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29



Tgt Ion:112 Resp: 305605
Ion Ratio Lower Upper
112 100
64 56.4 47.4 71.2
63 30.2 25.4 38.0





#7

Phenol-d6

Concen: 75.984 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Instrument :

BNA_F

ClientSampleId :

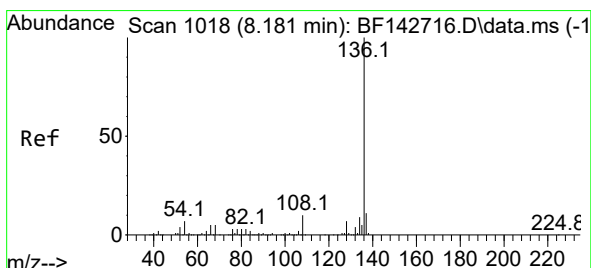
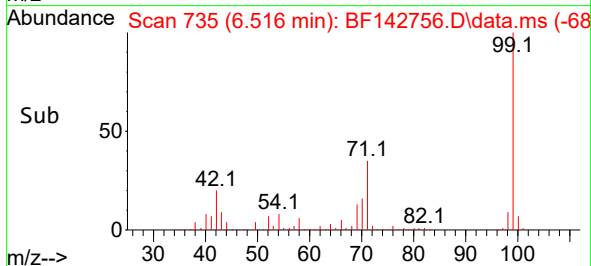
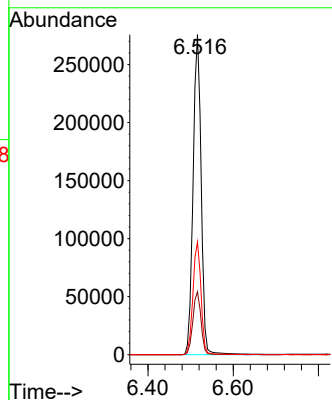
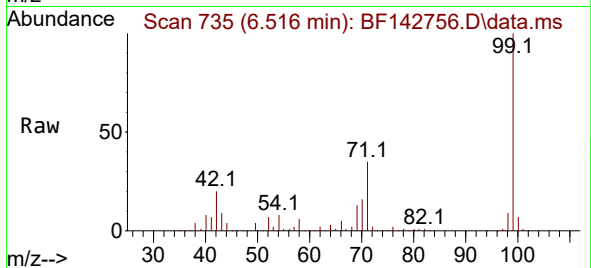
VNJ-210

Tgt Ion: 99 Resp: 364324
 Ion Ratio Lower Upper
 99 100
 42 19.6 15.9 23.9
 71 35.3 28.0 42.0

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 Supervised By :mohammad ahmed 06/13/2025



#21

Naphthalene-d8

Concen: 20.000 ng

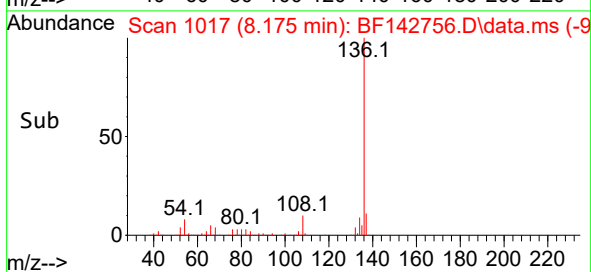
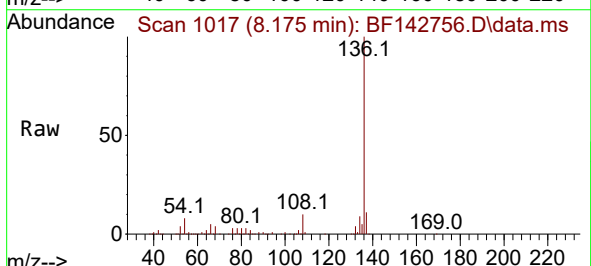
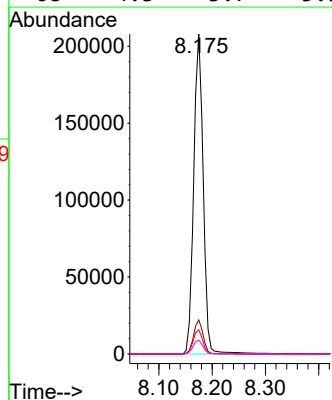
RT: 8.175 min Scan# 1017

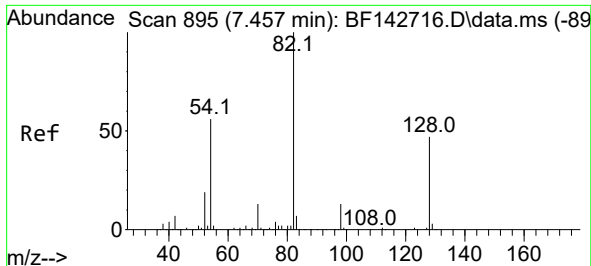
Delta R.T. -0.006 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Tgt Ion:136 Resp: 259014
 Ion Ratio Lower Upper
 136 100
 137 10.6 8.7 13.1
 54 7.5 5.9 8.9
 68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 47.774 ng

RT: 7.451 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Instrument :

BNA_F

ClientSampleId :

VNJ-210

Tgt Ion: 82 Resp: 22610

Ion Ratio Lower Upper

82 100

128 47.5 37.8 56.8

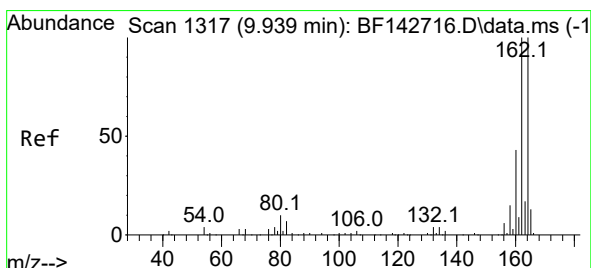
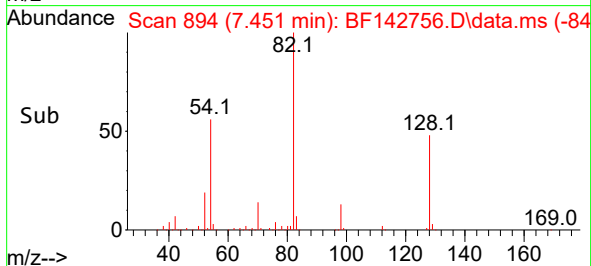
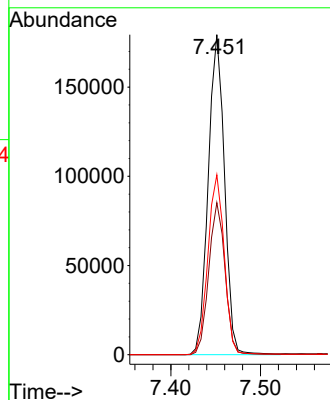
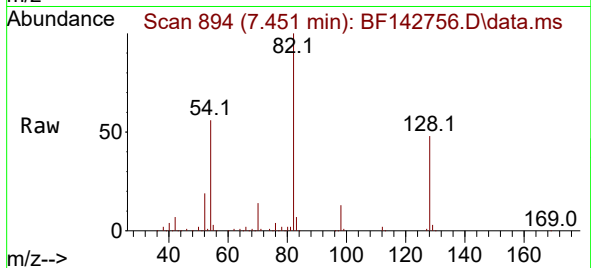
54 56.2 44.9 67.3

Manual Integrations

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Reviewed By :Rahul Chavli 06/13/2025

Supervised By :mohammad ahmed 06/13/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

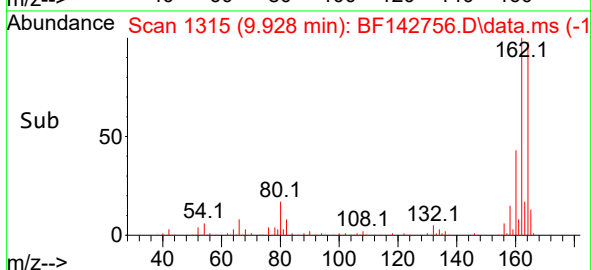
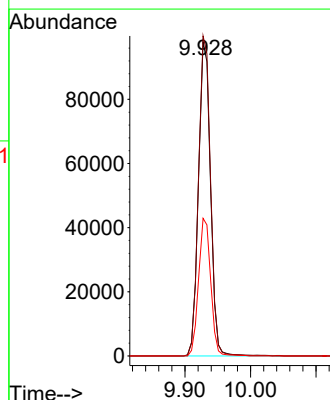
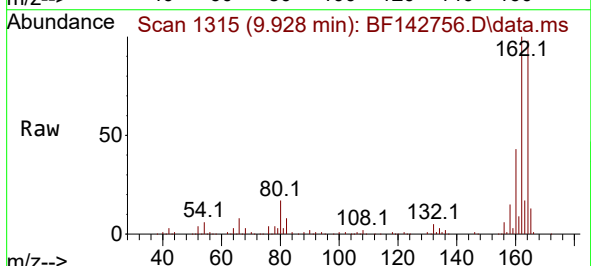
Tgt Ion:164 Resp: 125127

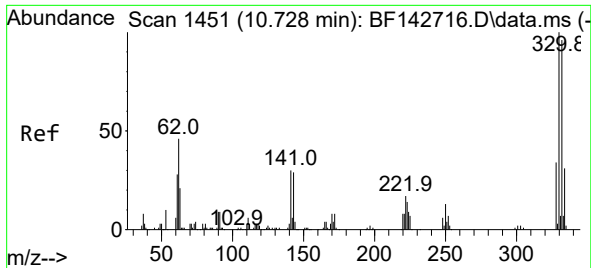
Ion Ratio Lower Upper

164 100

162 102.0 79.9 119.9

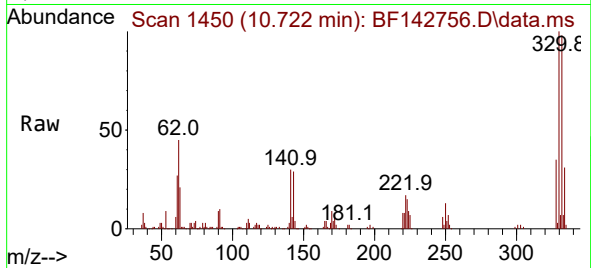
160 43.9 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 67.043 ng
RT: 10.722 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

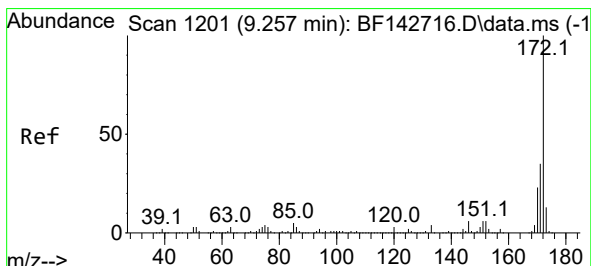
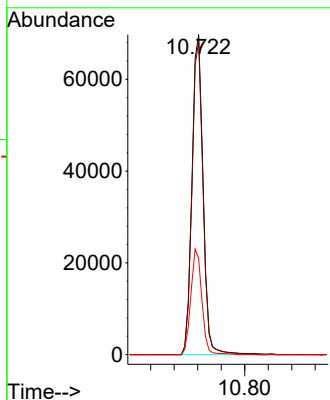
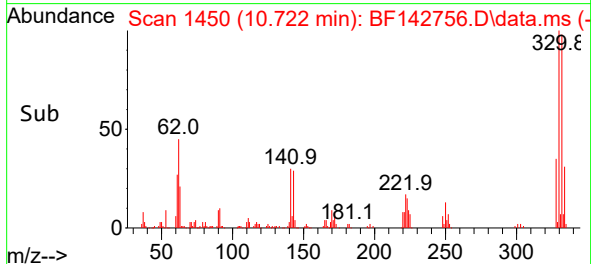
Instrument :
BNA_F
ClientSampleId :
VNJ-210



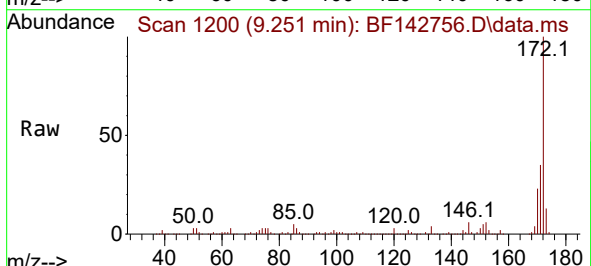
Tgt Ion:330 Resp: 9194
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 32.6 25.4 38.0

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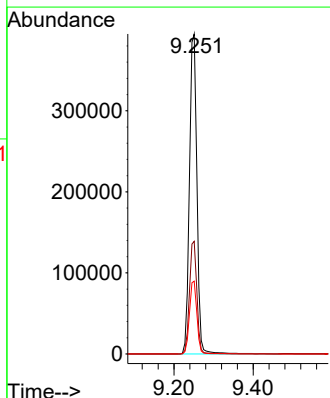
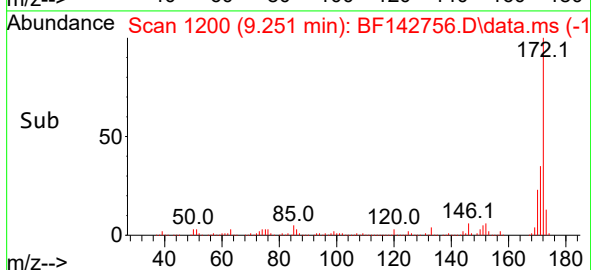
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

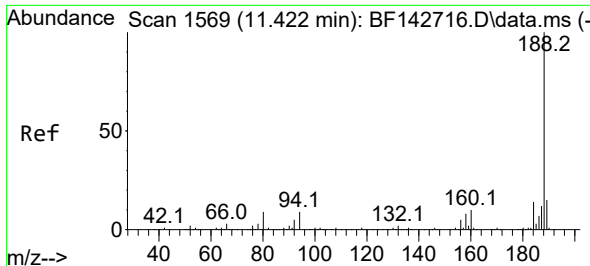


#45
2-Fluorobiphenyl
Concen: 55.147 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29



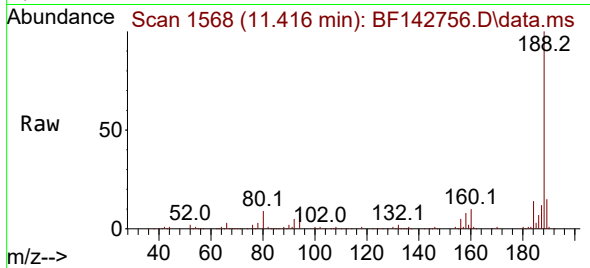
Tgt Ion:172 Resp: 519390
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 22.8 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

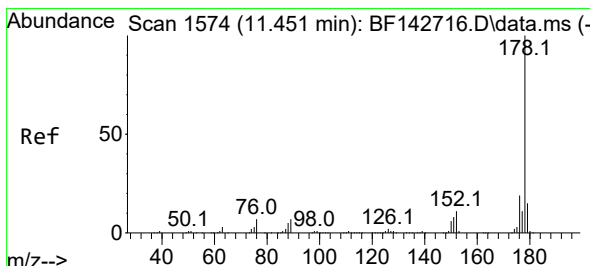
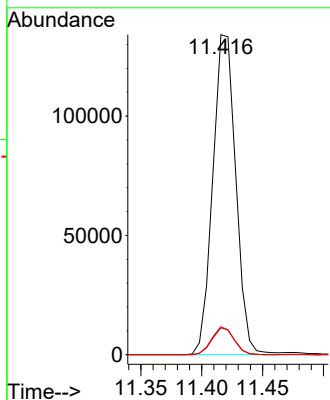
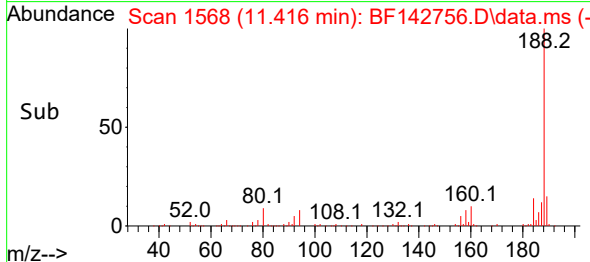
Instrument :
BNA_F
ClientSampleId :
VNJ-210



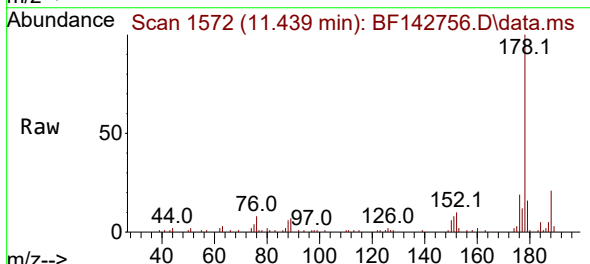
Tgt Ion:188 Resp: 176934
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 8.7 7.1 10.7

Manual Integrations
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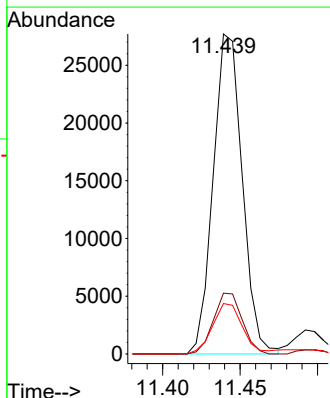
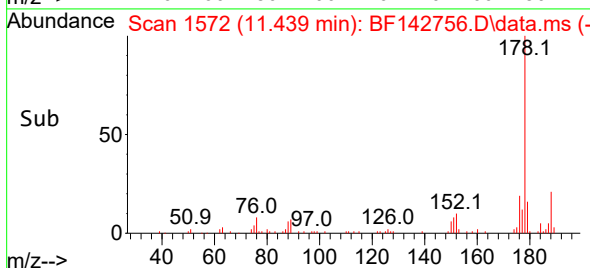
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

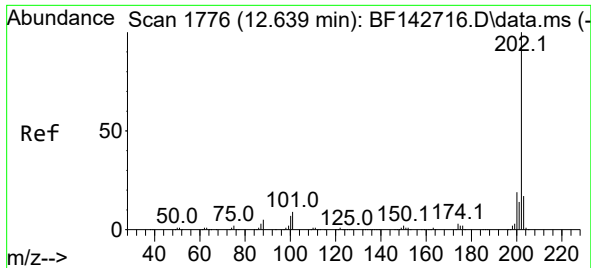


#71
Phenanthrene
Concen: 3.812 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29



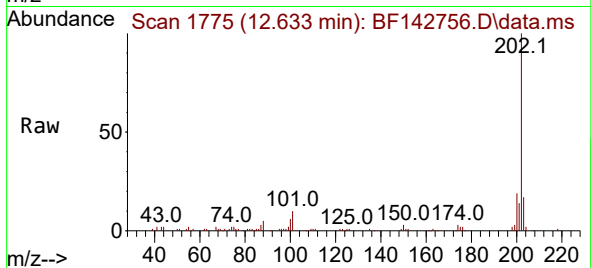
Tgt Ion:178 Resp: 36131
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.8 12.2 18.4





#75
Fluoranthene
Concen: 5.951 ng
RT: 12.633 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

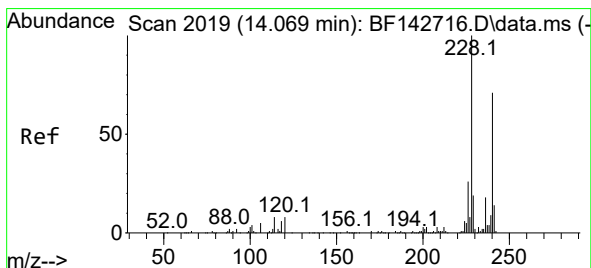
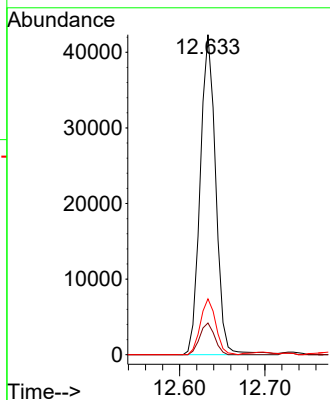
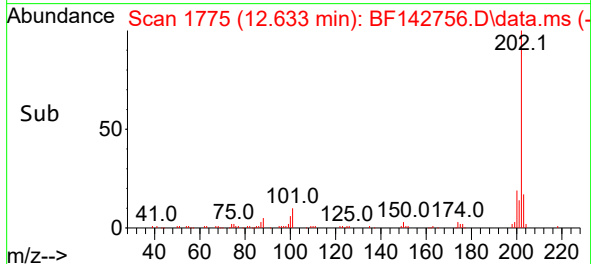
Instrument :
BNA_F
ClientSampleId :
VNJ-210



Tgt Ion:202 Resp: 5364
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.5
203 17.4 0.0 37.0

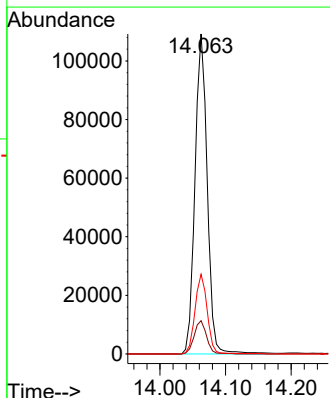
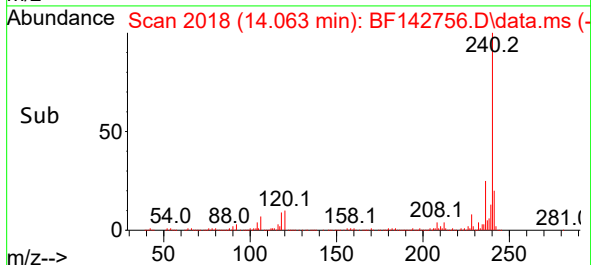
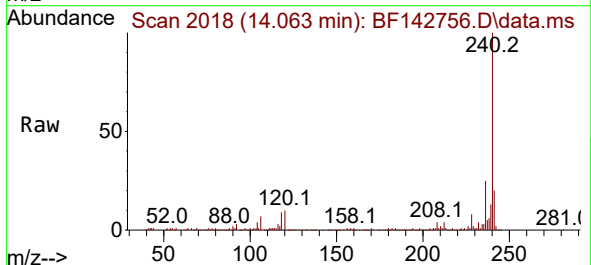
Manual Integrations
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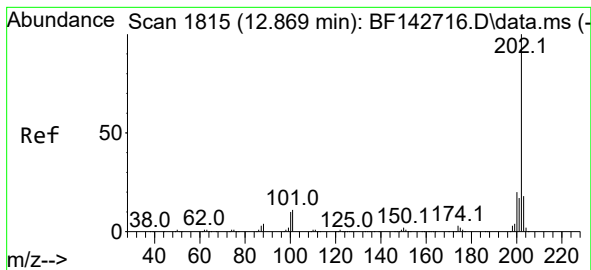
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

Tgt Ion:240 Resp: 142377
Ion Ratio Lower Upper
240 100
120 10.4 8.5 12.7
236 24.9 20.1 30.1





#78

Pyrene

Concen: 3.239 ng

RT: 12.863 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Instrument :

BNA_F

ClientSampleId :

VNJ-210

Tgt Ion:202 Resp: 4285

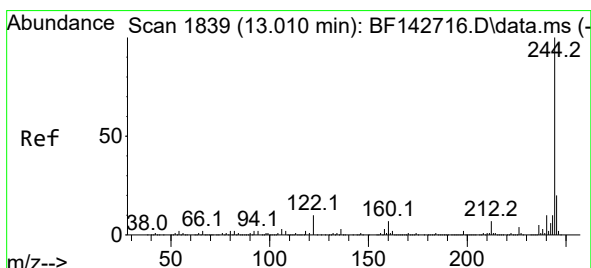
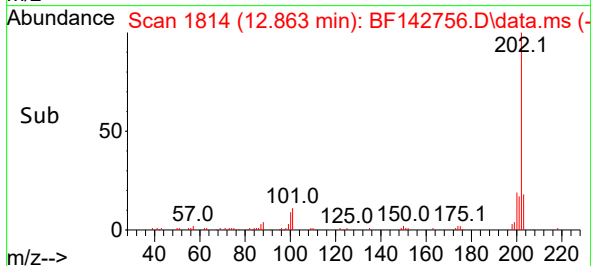
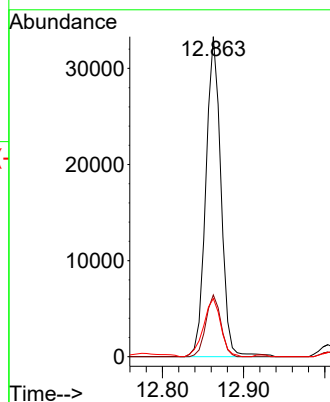
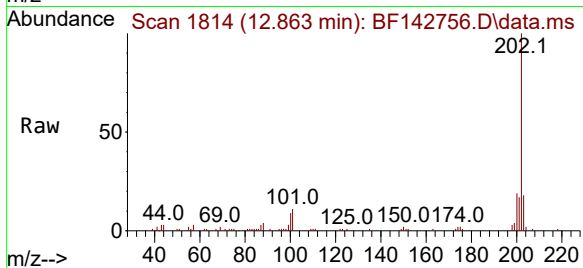
Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.8	23.8
203	18.1	14.1	21.1

Manual Integrations

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Reviewed By :Rahul Chavli 06/13/2025

Supervised By :mohammad ahmed 06/13/2025



#79

Terphenyl-d14

Concen: 36.829 ng

RT: 13.004 min Scan# 1838

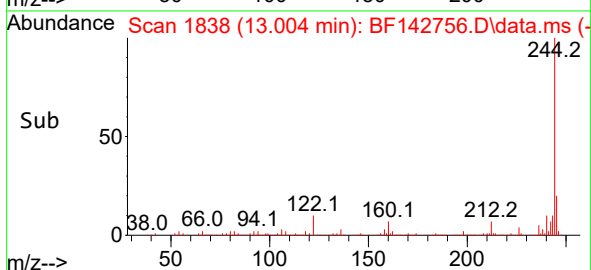
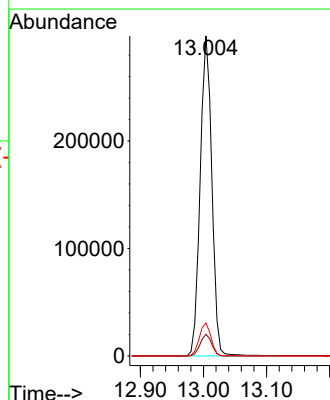
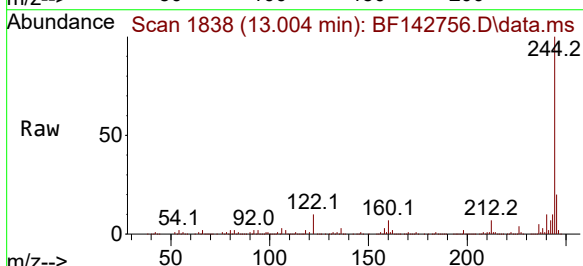
Delta R.T. -0.006 min

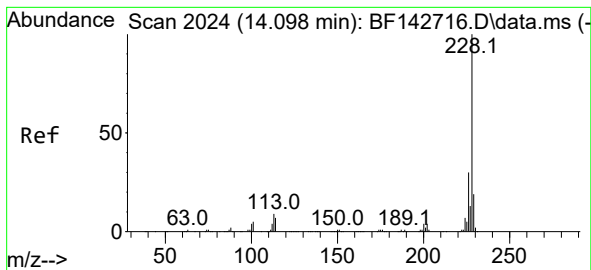
Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Tgt Ion:244 Resp: 381782

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.3	8.3	12.5





#83

Chrysene

Concen: 2.912 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Instrument :

BNA_F

ClientSampleId :

VNJ-210

Tgt Ion:228 Resp: 25370

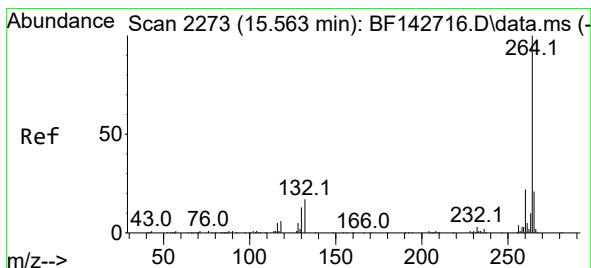
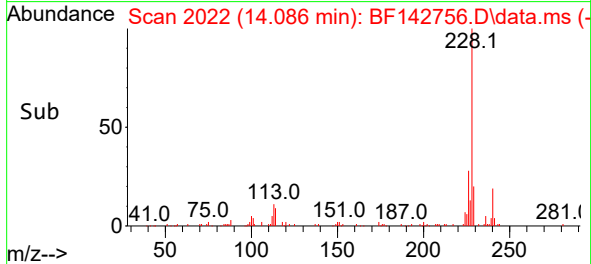
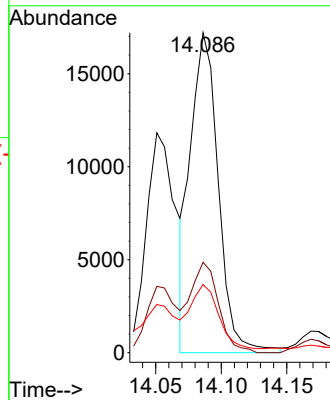
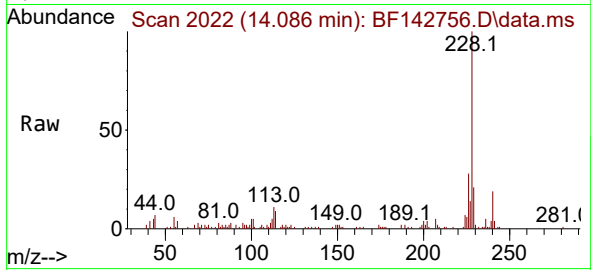
Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.6	35.4
229	21.3	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/13/2025

Supervised By :mohammad ahmed 06/13/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

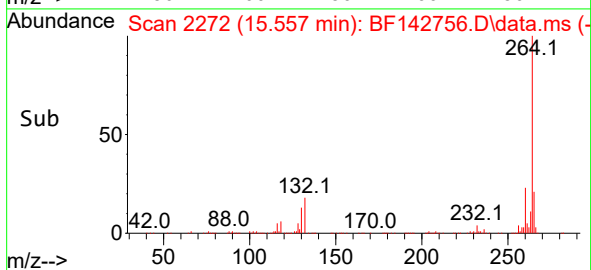
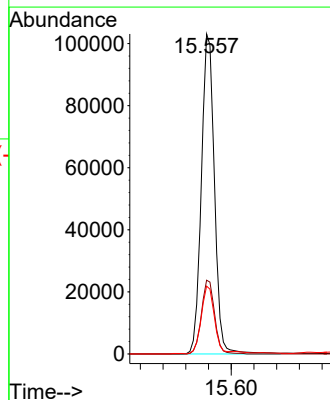
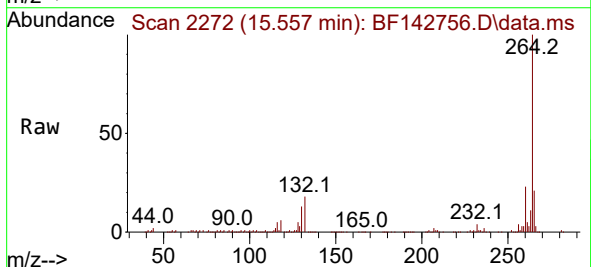
Delta R.T. -0.006 min

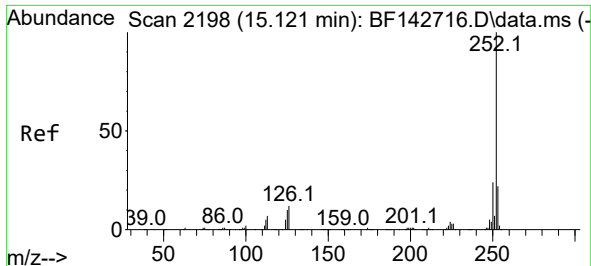
Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Tgt Ion:264 Resp: 165322

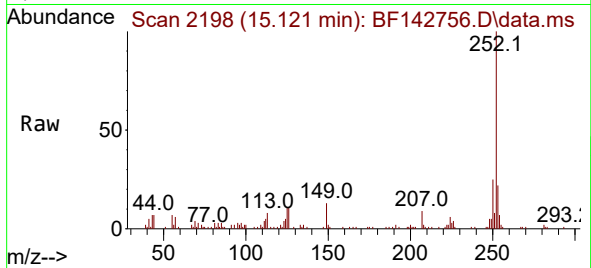
Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.8	26.6
265	21.2	16.6	25.0





#88
Benzo(b)fluoranthene
Concen: 3.797 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

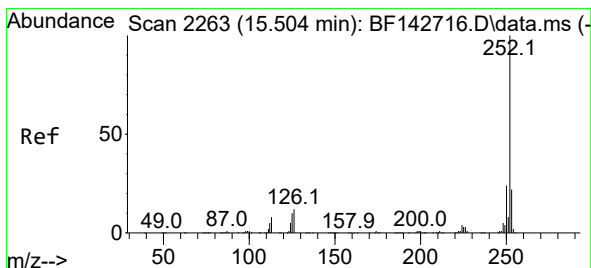
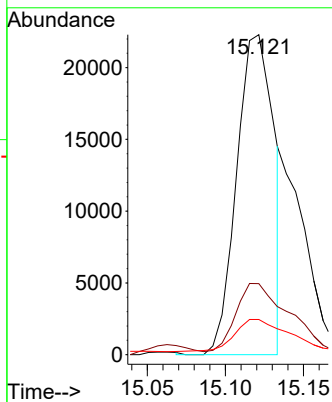
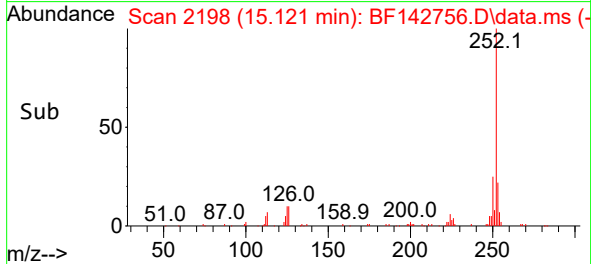
Instrument :
BNA_F
ClientSampleId :
VNJ-210



Tgt Ion:252 Resp: 36958
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.0 7.8 11.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#90
Benzo(a)pyrene
Concen: 2.170 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.012 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

Tgt Ion:252 Resp: 20087
Ion Ratio Lower Upper
252 100
253 24.6 17.3 25.9
125 12.8 8.0 12.0

