

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090425\
 Data File : BG064282.D
 Acq On : 4 Sep 2025 14:20
 Operator : RC/JU
 Sample : Q3003-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025

Quant Time: Sep 04 15:17:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	25764	20.000	ng	0.00
21) Naphthalene-d8	10.638	136	117815	20.000	ng	-0.01
39) Acenaphthene-d10	14.475	164	81743	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	181103	20.000	ng	0.00
76) Chrysene-d12	21.449	240	187790	20.000	ng	0.00
86) Perylene-d12	24.457	264	205622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.444	112	193416	134.687	ng	0.00
7) Phenol-d6	7.025	99	271935	137.836	ng	0.00
23) Nitrobenzene-d5	9.005	82	190348	90.105	ng	-0.01
42) 2,4,6-Tribromophenol	15.967	330	150649	139.139	ng	0.00
45) 2-Fluorobiphenyl	13.100	172	479857	89.602	ng	-0.01
79) Terphenyl-d14	19.839	244	823178	91.455	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.260	178	109194	11.432	ng	96
75) Fluoranthene	19.269	202	197850	17.616	ng	96
78) Pyrene	19.633	202	161199	13.625	ng	99
81) Benzo(a)anthracene	21.431	228	88625	7.377	ng	95
83) Chrysene	21.490	228	99936	8.665	ng	97
87) Indeno(1,2,3-cd)pyrene	27.824	276	64589	4.600	ng	# 94
88) Benzo(b)fluoranthene	23.511	252	154369	13.302	ng	96
89) Benzo(k)fluoranthene	23.564	252	47137m	3.987	ng	
90) Benzo(a)pyrene	24.310	252	85596	7.929	ng	97
92) Benzo(g,h,i)perylene	28.881	276	61934	5.645	ng	# 95

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

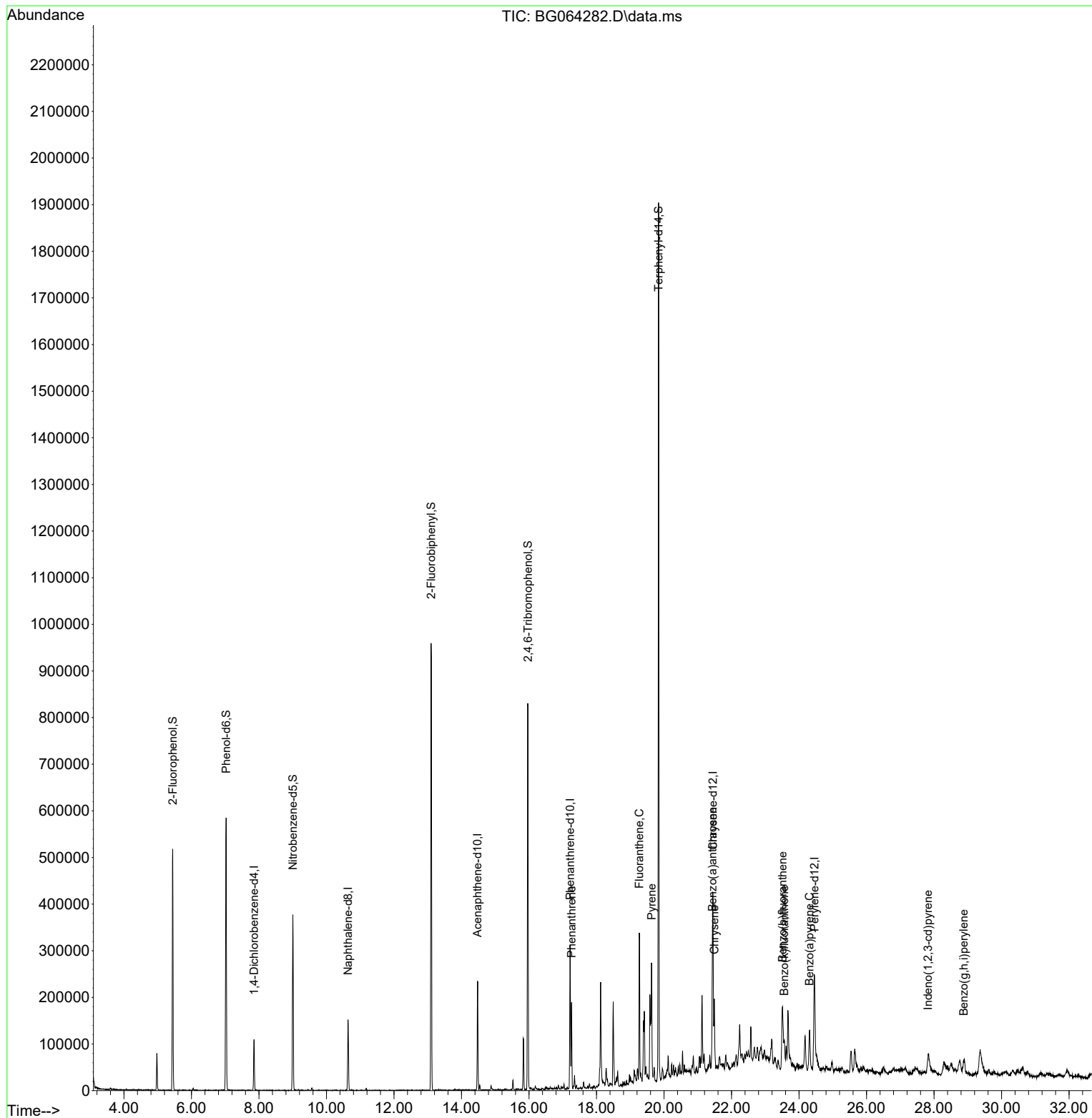
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090425\
Data File : BG064282.D
Acq On : 4 Sep 2025 14:20
Operator : RC/JU
Sample : Q3003-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

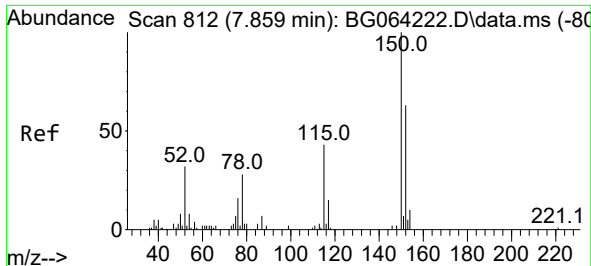
Instrument :
BNA_G
ClientSampleId :
VNJ-231

Quant Time: Sep 04 15:17:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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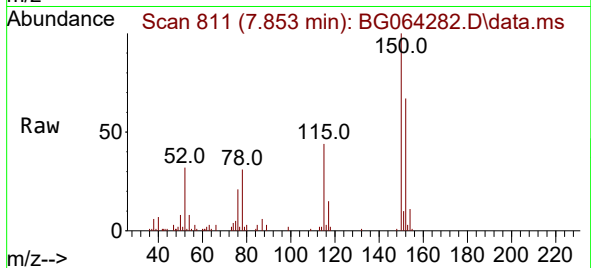
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.853 min Scan# 812
Delta R.T. -0.006 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20

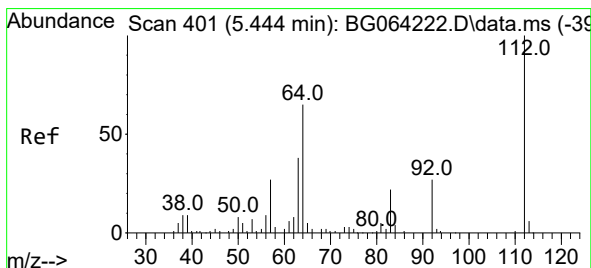
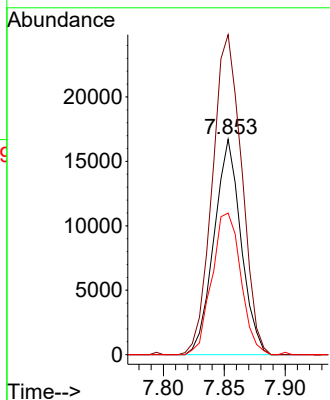
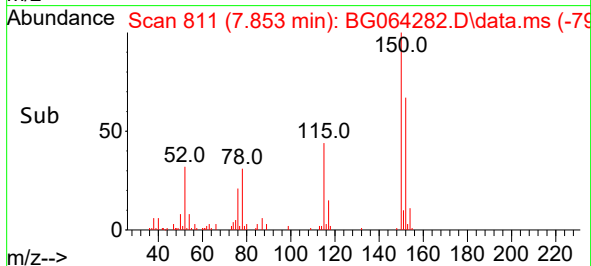
Instrument :
BNA_G
ClientSampleId :
VNJ-231



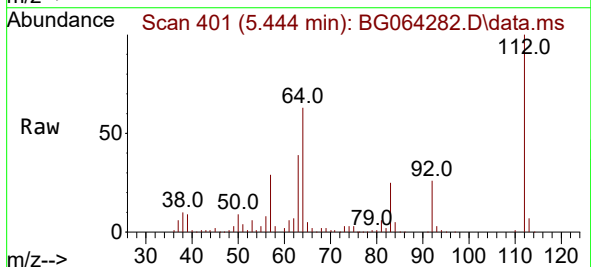
Tgt Ion:152 Resp: 25764
Ion Ratio Lower Upper
152 100
150 148.6 128.0 192.0
115 65.8 55.7 83.5

Manual Integrations
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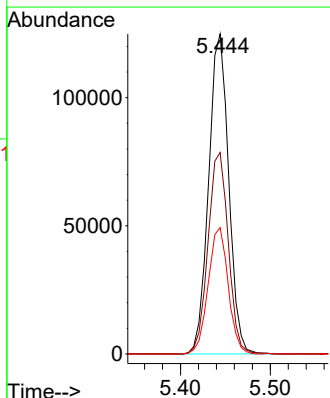
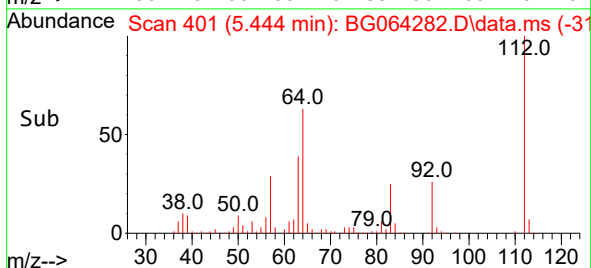
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

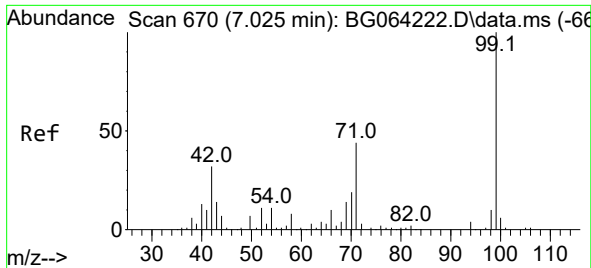


#5
2-Fluorophenol
Concen: 134.687 ng
RT: 5.444 min Scan# 401
Delta R.T. -0.000 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20



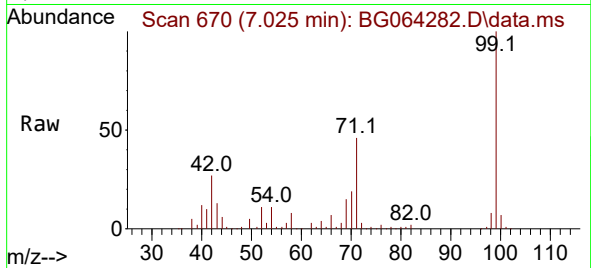
Tgt Ion:112 Resp: 193416
Ion Ratio Lower Upper
112 100
64 63.0 51.8 77.6
63 39.5 30.6 45.8





#7
Phenol-d6
Concen: 137.836 ng
RT: 7.025 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20

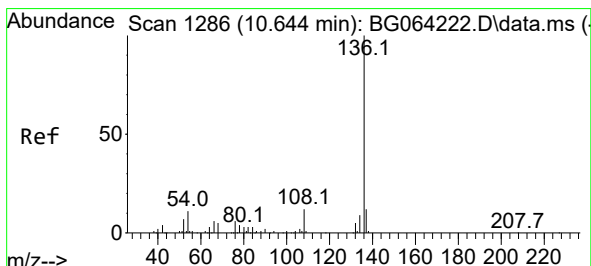
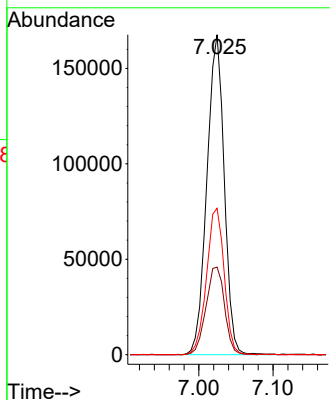
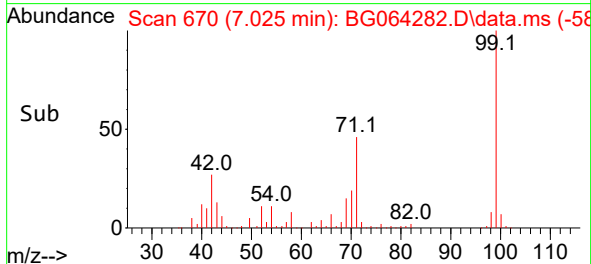
Instrument :
BNA_G
ClientSampleId :
VNJ-231



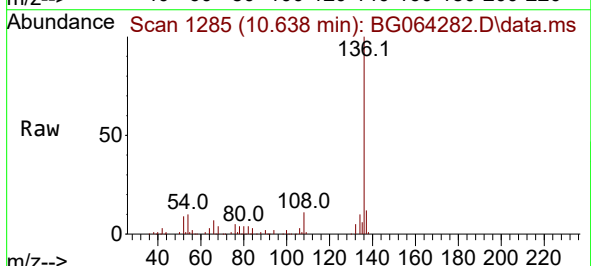
Tgt Ion: 99 Resp: 271935
Ion Ratio Lower Upper
99 100
42 27.3 25.8 38.8
71 45.7 35.2 52.8

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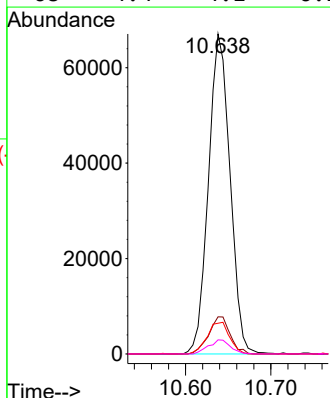
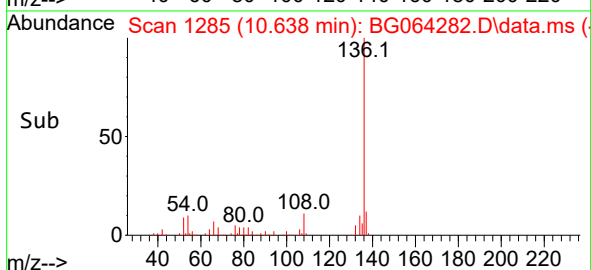
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

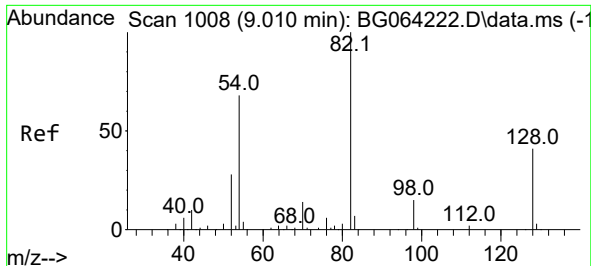


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.638 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20



Tgt Ion:136 Resp: 117815
Ion Ratio Lower Upper
136 100
137 11.6 9.6 14.4
54 9.6 8.8 13.2
68 4.4 4.1 6.1





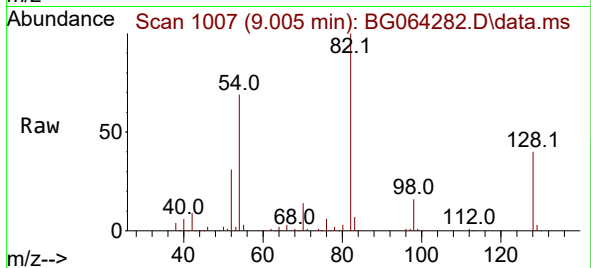
#23
Nitrobenzene-d5
Concen: 90.105 ng
RT: 9.005 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20

Instrument :

BNA_G

ClientSampleId :

VNJ-231



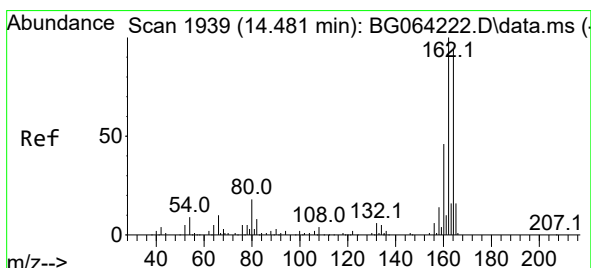
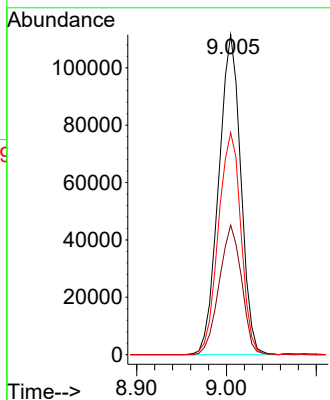
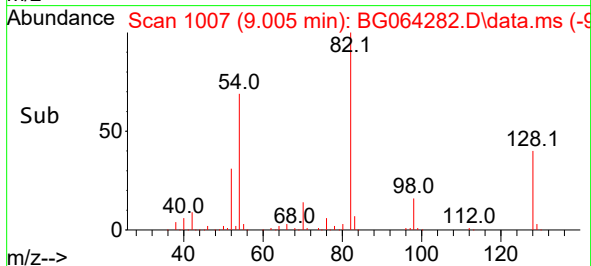
Tgt Ion: 82 Resp: 190348
Ion Ratio Lower Upper
82 100
128 40.5 32.6 48.8
54 69.4 54.7 82.1

Manual Integrations

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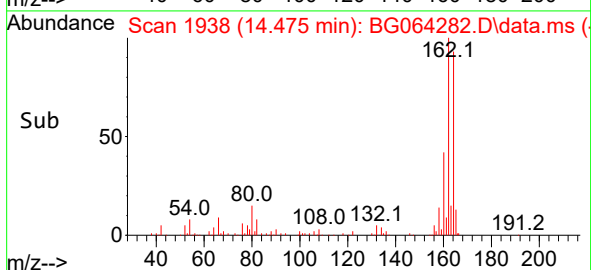
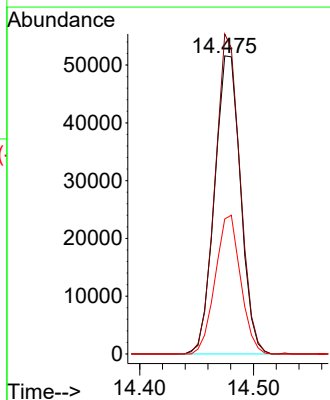
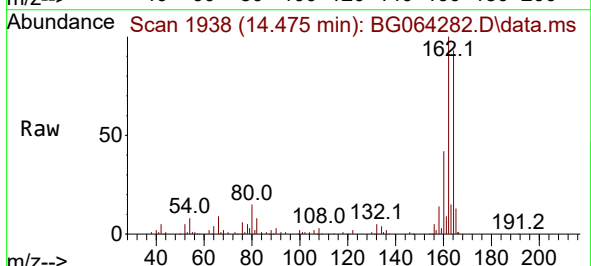
Reviewed By :Rahul Chavli 09/05/2025

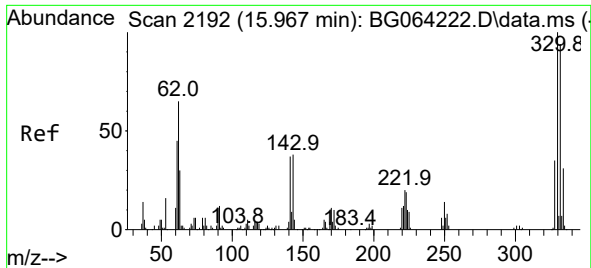
Supervised By :Jagrut Upadhyay 09/05/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20

Tgt Ion:164 Resp: 81743
Ion Ratio Lower Upper
164 100
162 107.4 85.4 128.0
160 45.3 39.2 58.8





#42
2,4,6-Tribromophenol
Concen: 139.139 ng
RT: 15.967 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20

Instrument :

BNA_G

ClientSampleId :

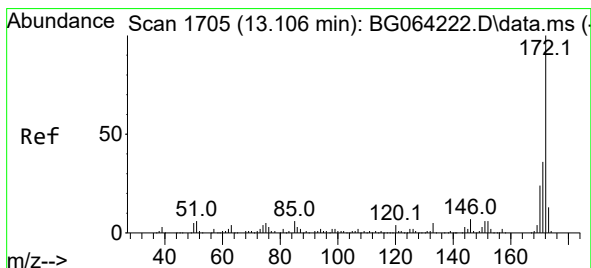
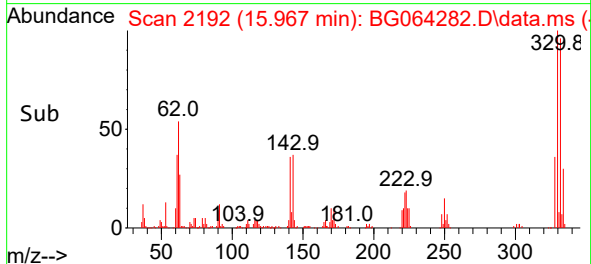
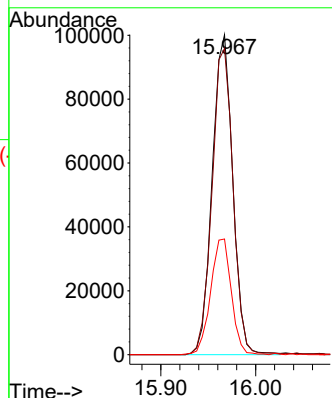
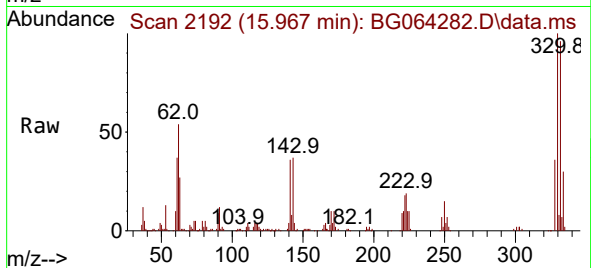
VNJ-231

Tgt Ion:330 Resp: 150649
Ion Ratio Lower Upper
330 100
332 98.1 77.6 116.4
141 36.5 29.8 44.6

Manual Integrations

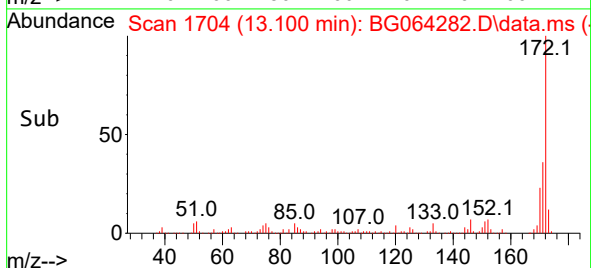
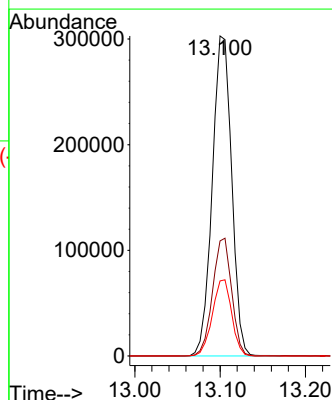
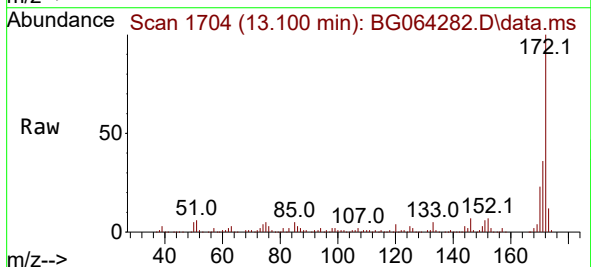
APPROVED

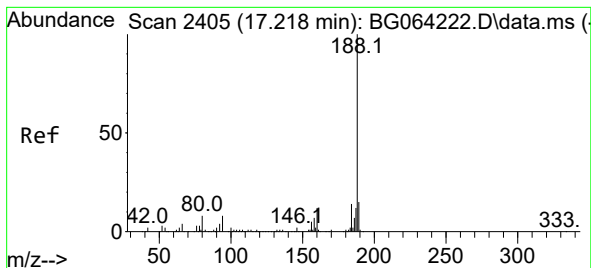
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#45
2-Fluorobiphenyl
Concen: 89.602 ng
RT: 13.100 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20

Tgt Ion:172 Resp: 479857
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.5 19.0 28.6





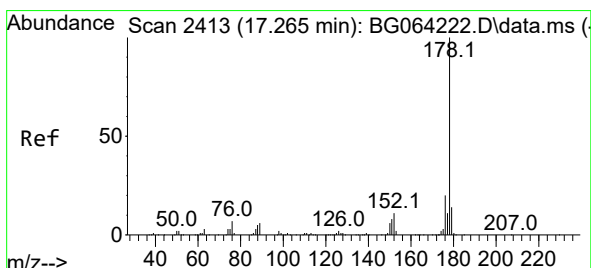
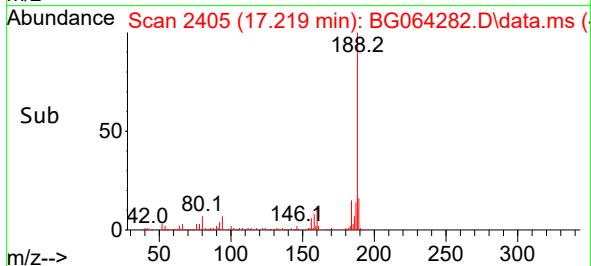
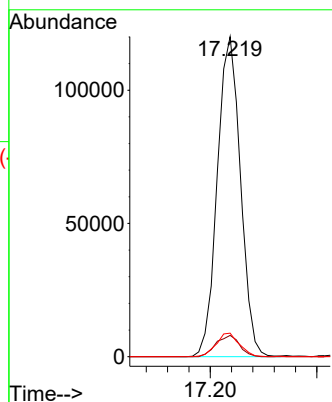
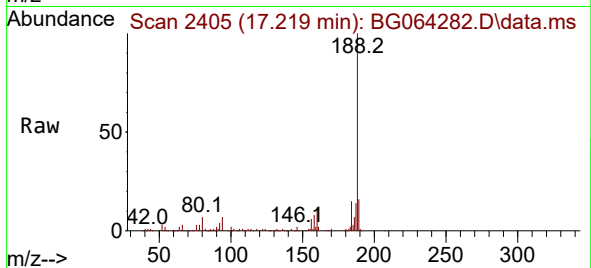
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20

Instrument :
BNA_G
ClientSampleId :
VNJ-231

Tgt Ion:188 Resp: 18110
Ion Ratio Lower Upper
188 100
94 6.6 6.2 9.4
80 7.3 6.8 10.2

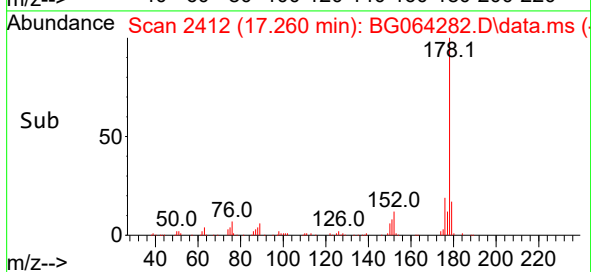
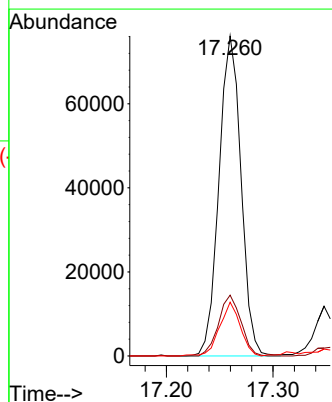
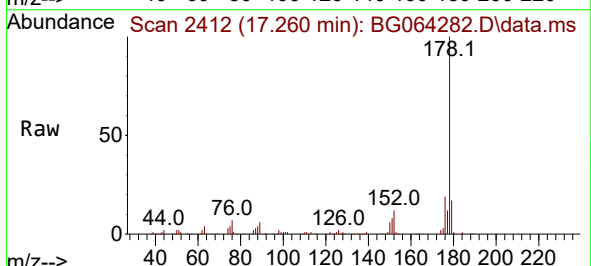
Manual Integrations
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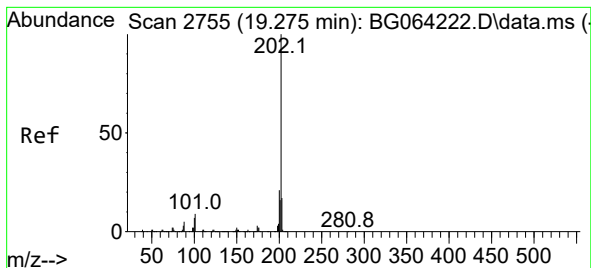
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#71
Phenanthrene
Concen: 11.432 ng
RT: 17.260 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20

Tgt Ion:178 Resp: 109194
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 16.8 11.4 17.2





#75

Fluoranthene

Concen: 17.616 ng

RT: 19.269 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064282.D

Acq: 4 Sep 2025 14:20

Instrument :

BNA_G

ClientSampleId :

VNJ-231

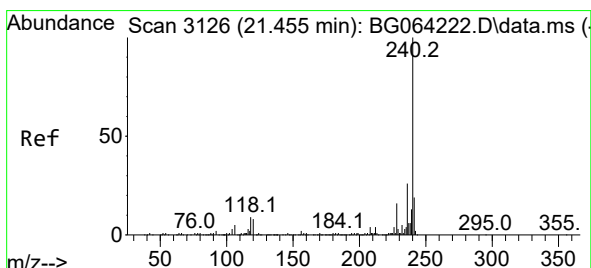
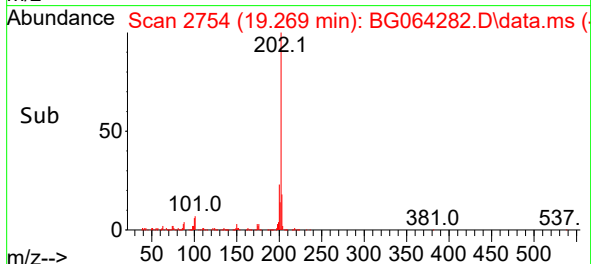
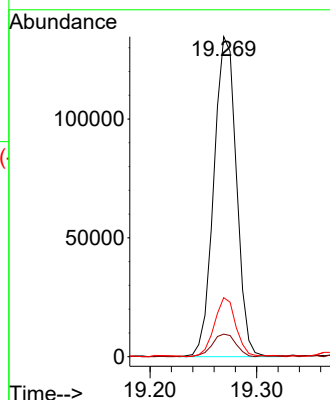
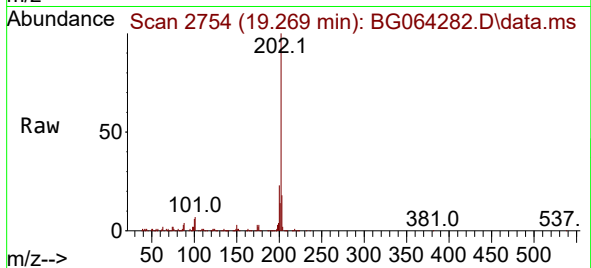
Tgt Ion:202 Resp: 197850
 Ion Ratio Lower Upper
 202 100
 101 7.0 0.0 28.7
 203 18.4 0.0 36.9

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

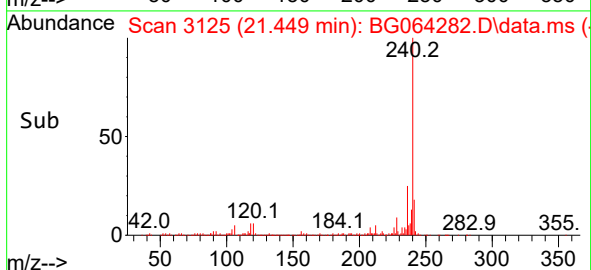
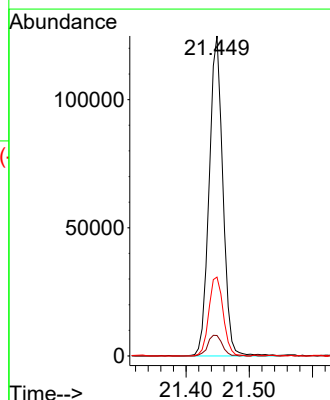
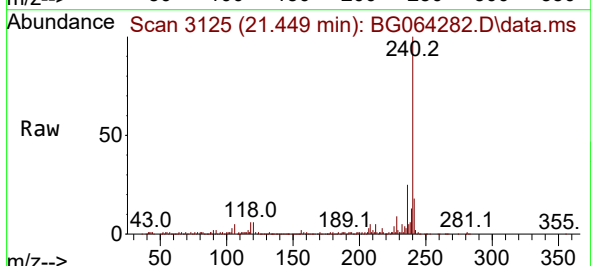
RT: 21.449 min Scan# 3125

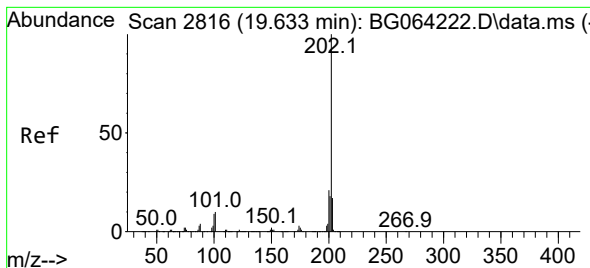
Delta R.T. -0.006 min

Lab File: BG064282.D

Acq: 4 Sep 2025 14:20

Tgt Ion:240 Resp: 187790
 Ion Ratio Lower Upper
 240 100
 120 6.4 6.2 9.4
 236 24.7 20.5 30.7





#78

Pyrene

Concen: 13.625 ng

RT: 19.633 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BG064282.D

Acq: 4 Sep 2025 14:20

Instrument :

BNA_G

ClientSampleId :

VNJ-231

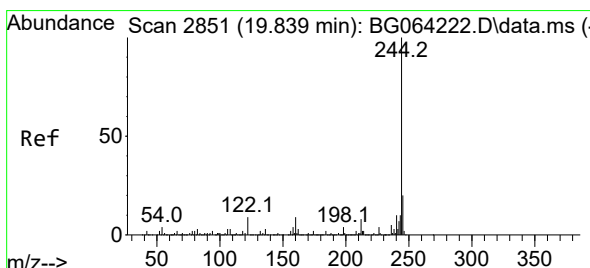
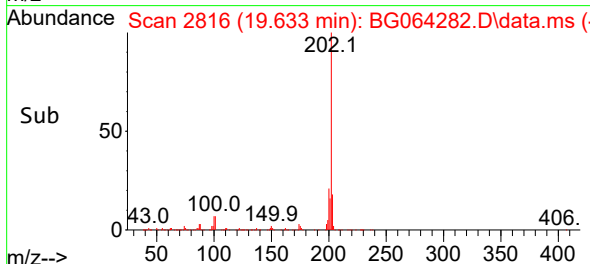
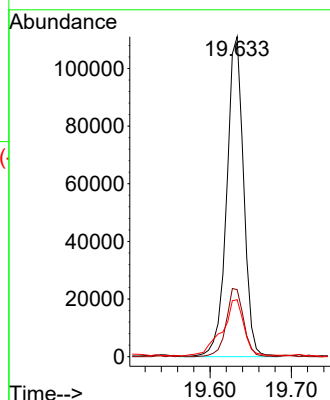
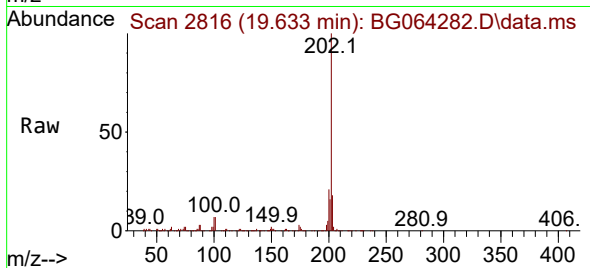
Tgt Ion:202 Resp: 161199
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.9 25.3
 203 17.8 13.8 20.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#79

Terphenyl-d14

Concen: 91.455 ng

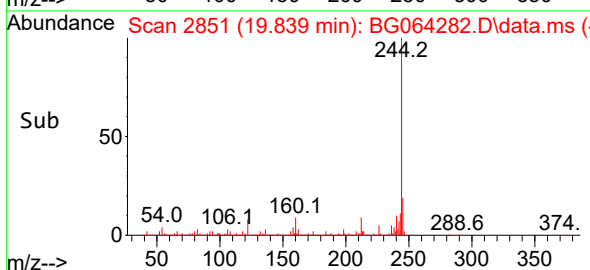
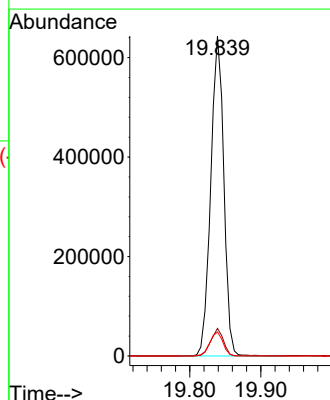
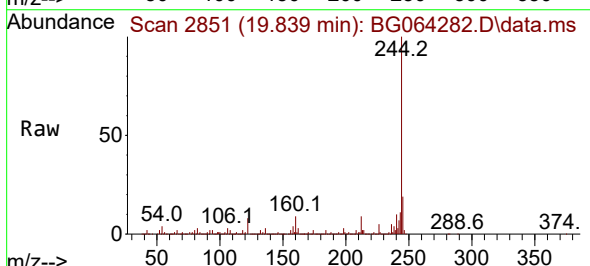
RT: 19.839 min Scan# 2851

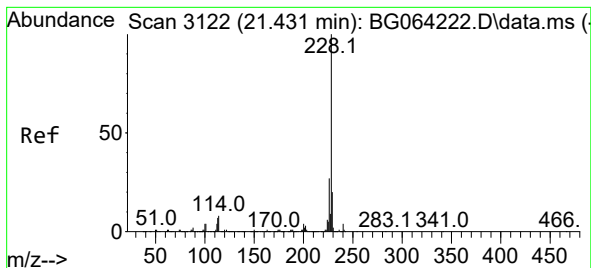
Delta R.T. -0.006 min

Lab File: BG064282.D

Acq: 4 Sep 2025 14:20

Tgt Ion:244 Resp: 823178
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.6 10.0
 122 7.5 7.0 10.6





#81

Benzo(a)anthracene

Concen: 7.377 ng

RT: 21.431 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BG064282.D

Acq: 4 Sep 2025 14:20

Instrument :

BNA_G

ClientSampleId :

VNJ-231

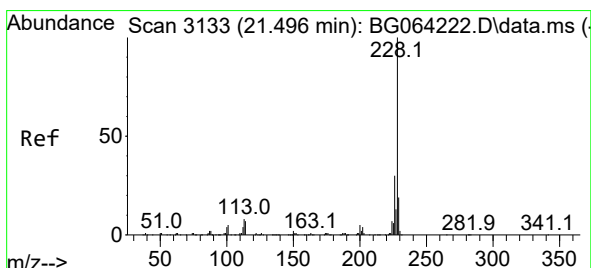
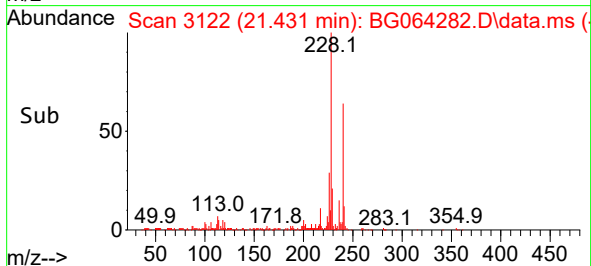
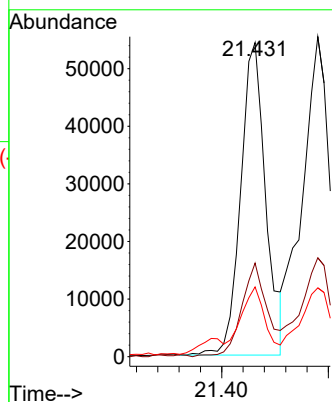
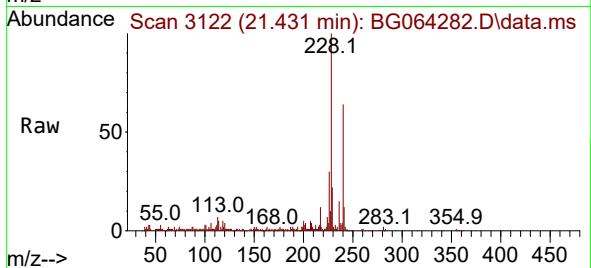
Tgt Ion:228 Resp: 88625
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.7 32.5
 229 22.2 15.9 23.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#83

Chrysene

Concen: 8.665 ng

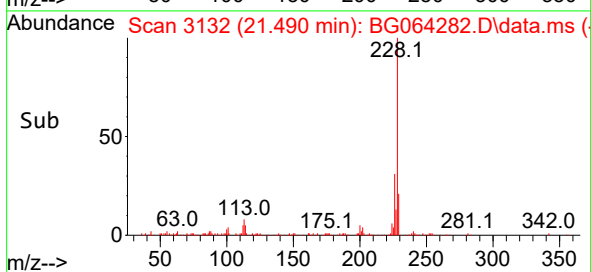
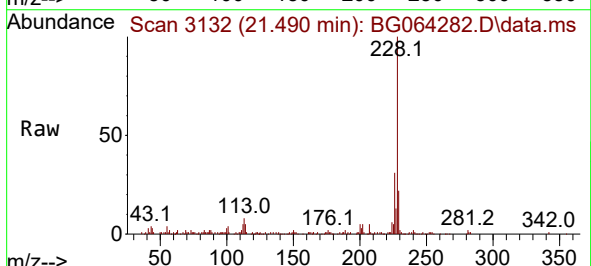
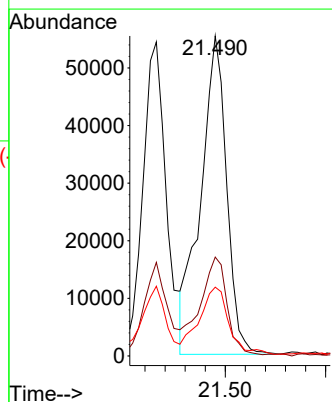
RT: 21.490 min Scan# 3132

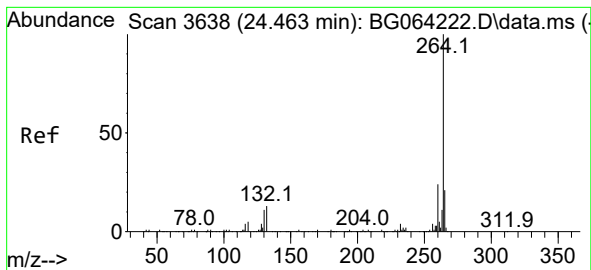
Delta R.T. -0.012 min

Lab File: BG064282.D

Acq: 4 Sep 2025 14:20

Tgt Ion:228 Resp: 99936
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.2 36.2
 229 21.5 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.457 min Scan# 30

Delta R.T. -0.006 min

Lab File: BG064282.D

Acq: 4 Sep 2025 14:20

Instrument :

BNA_G

ClientSampleId :

VNJ-231

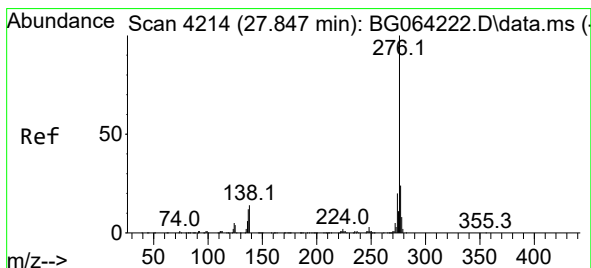
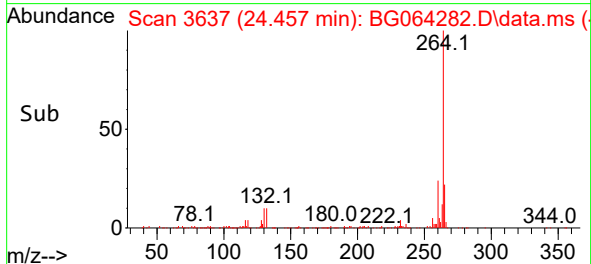
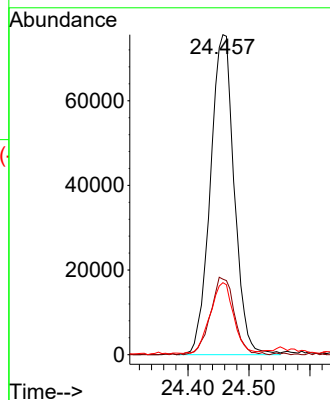
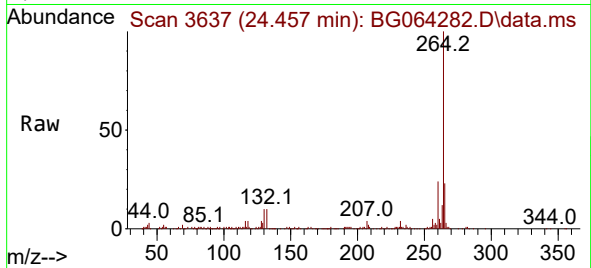
Tgt Ion:264 Resp: 20562
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 22.5 16.7 25.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.600 ng

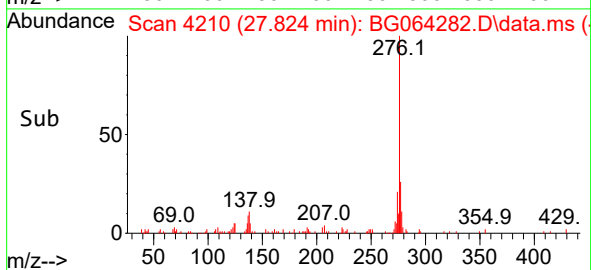
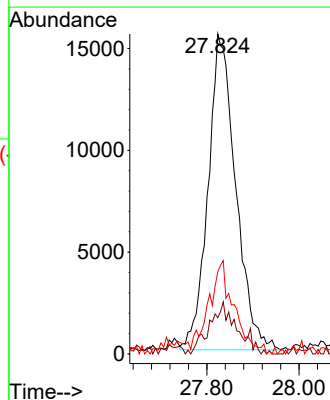
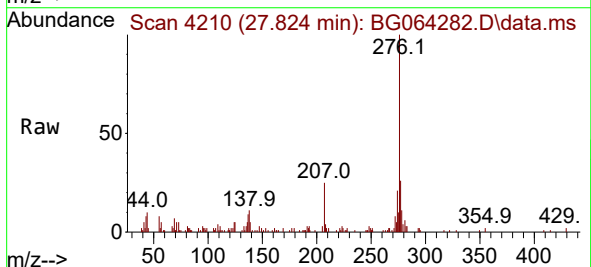
RT: 27.824 min Scan# 4210

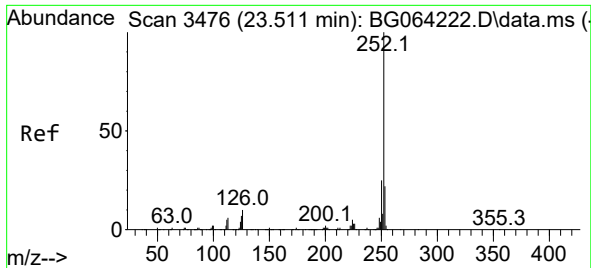
Delta R.T. -0.047 min

Lab File: BG064282.D

Acq: 4 Sep 2025 14:20

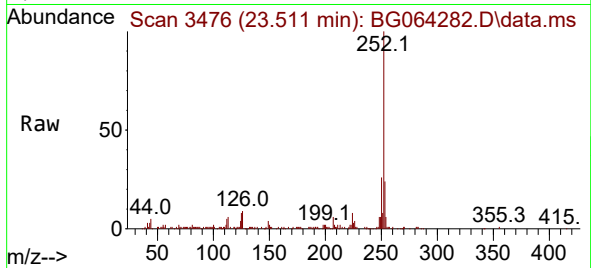
Tgt Ion:276 Resp: 64589
 Ion Ratio Lower Upper
 276 100
 138 14.3 7.4 11.0#
 277 27.1 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 13.302 ng
RT: 23.511 min Scan# 3476
Delta R.T. -0.006 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20

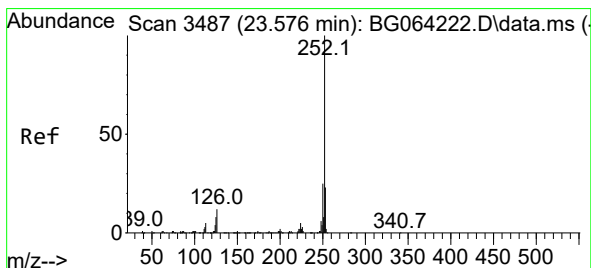
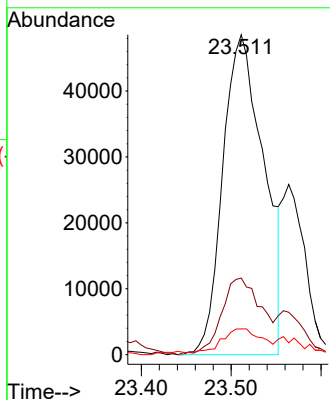
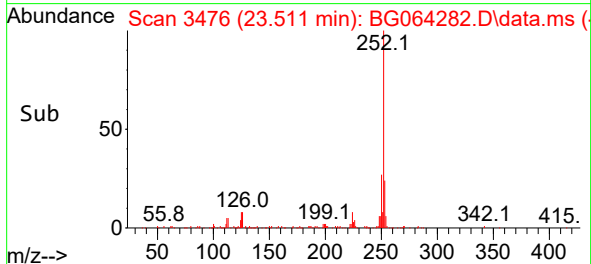
Instrument :
BNA_G
ClientSampleId :
VNJ-231



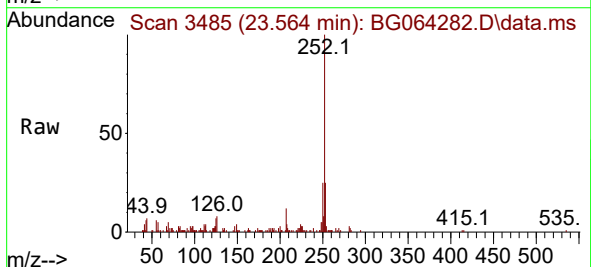
Tgt Ion:252 Resp: 154369
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 8.1 5.9 8.9

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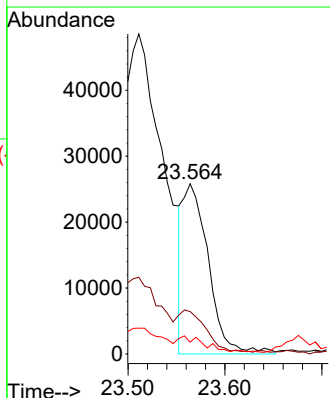
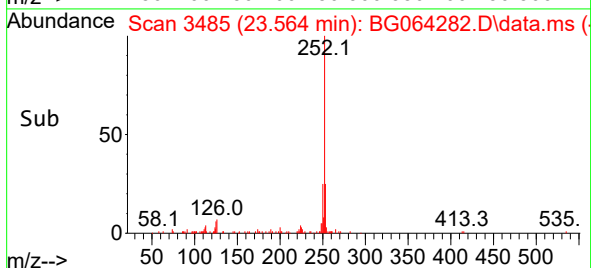
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

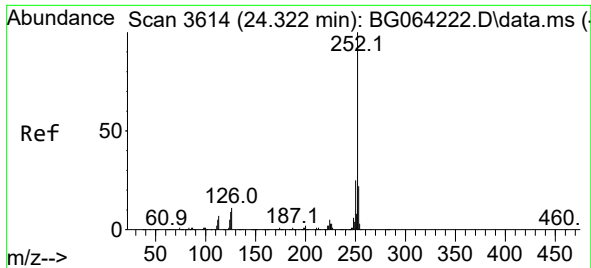


#89
Benzo(k)fluoranthene
Concen: 3.987 ng m
RT: 23.564 min Scan# 3485
Delta R.T. -0.024 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20



Tgt Ion:252 Resp: 47137
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.4
125 7.0 7.0 10.4





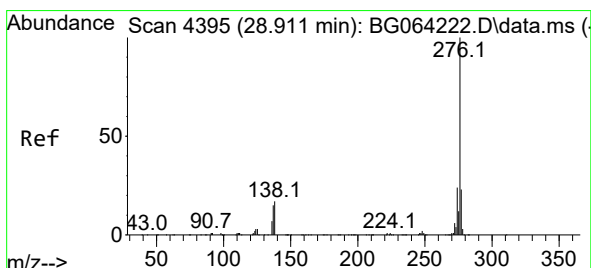
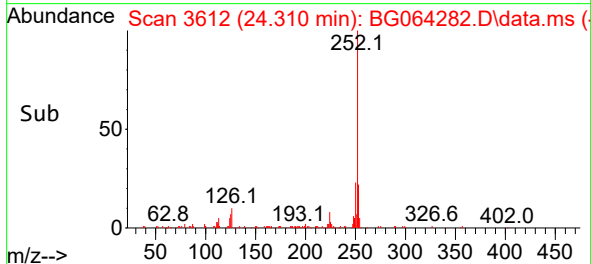
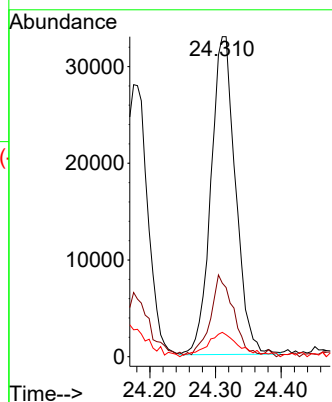
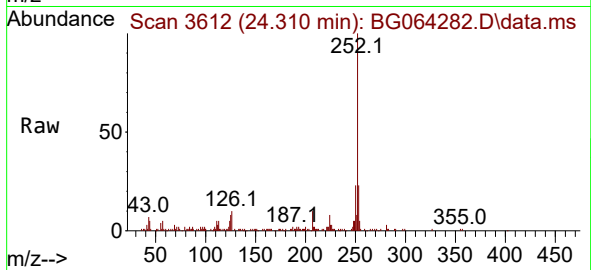
#90
Benzo(a)pyrene
Concen: 7.929 ng
RT: 24.310 min Scan# 30
Delta R.T. -0.018 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20

Instrument :
BNA_G
ClientSampleId :
VNJ-231

Tgt Ion:252 Resp: 85590
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 7.6 7.0 10.6

Manual Integrations
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Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#92
Benzo(g,h,i)perylene
Concen: 5.645 ng
RT: 28.881 min Scan# 4390
Delta R.T. -0.053 min
Lab File: BG064282.D
Acq: 4 Sep 2025 14:20

Tgt Ion:276 Resp: 61934
Ion Ratio Lower Upper
276 100
277 23.1 18.2 27.4
138 11.9 13.3 19.9#

