

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
 Data File : BN038224.D
 Acq On : 01 Dec 2025 11:35
 Operator : RC/JU
 Sample : Q3483-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 HW1025-PT-TRIAZINE-SOIL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Dec 01 11:59:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	7893	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	25055	0.400	ng	#-0.01
13) Acenaphthene-d10	14.430	164	14238	0.400	ng	0.00
19) Phenanthrene-d10	17.173	188	27784	0.400	ng	#-0.01
29) Chrysene-d12	21.366	240	20522	0.400	ng	0.00
35) Perylene-d12	23.674	264	18472	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	2389169	129.506	ng	0.00
5) Phenol-d6	6.937	99	3384963	146.856	ng	0.00
8) Nitrobenzene-d5	8.918	82	1674424	83.571	ng	0.00
11) 2-Methylnaphthalene-d10	12.136	152	58	0.002	ng	-0.03
14) 2,4,6-Tribromophenol	15.920	330	1403084	313.216	ng	-0.01
15) 2-Fluorobiphenyl	13.051	172	4073457	74.069	ng	0.00
27) Fluoranthene-d10	19.211	212	78	0.001	ng	0.00
31) Terphenyl-d14	19.815	244	4134638	87.237	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.183	93	526	0.024	ng	# 77
9) Naphthalene	10.616	128	2940	0.042	ng	# 93
12) 2-Methylnaphthalene	12.238	142	1770	0.039	ng	# 92
23) Atrazine	16.652	200	867567	70.570	ng	97
24) Pentachlorophenol	16.838	266	608	0.094	ng	# 82
25) Phenanthrene	17.223	178	12415	0.142	ng	97
28) Fluoranthene	19.243	202	36854	0.438	ng	98
30) Pyrene	19.606	202	42405	0.414	ng	97
32) Benzo(a)anthracene	21.349	228	12229m	0.176	ng	
33) Chrysene	21.402	228	21251	0.259	ng	95
34) Bis(2-ethylhexyl)phtha...	21.286	149	76147	2.001	ng	99
36) Indeno(1,2,3-cd)pyrene	26.016	276	13378	0.156	ng	98
37) Benzo(b)fluoranthene	22.978	252	26942	0.355	ng	# 52
38) Benzo(k)fluoranthene	23.016	252	11239m	0.143	ng	
39) Benzo(a)pyrene	23.572	252	14120	0.222	ng	# 65
41) Benzo(g,h,i)perylene	26.738	276	14918	0.193	ng	# 92

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

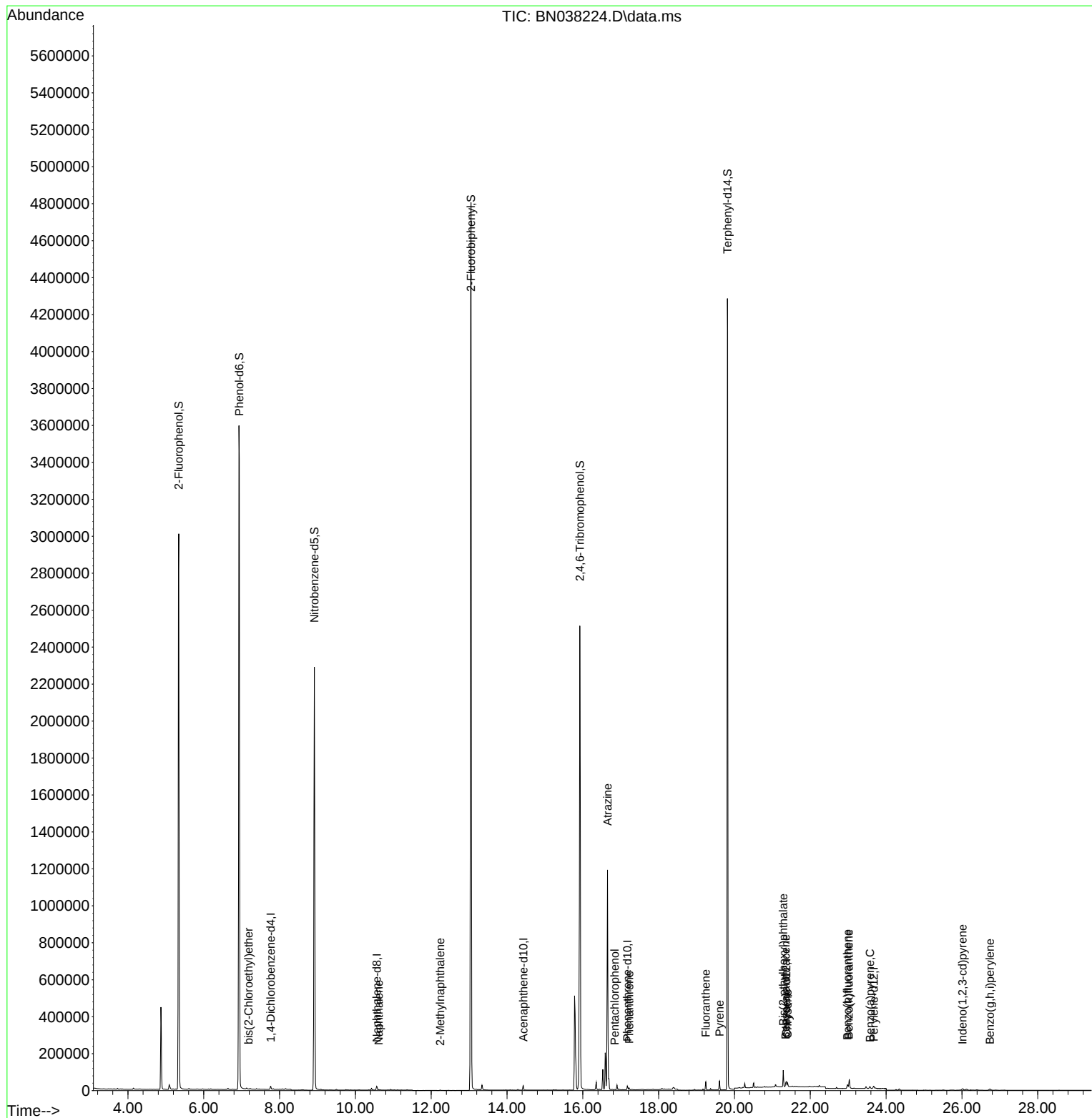
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
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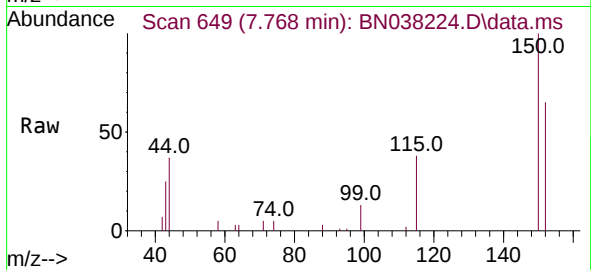
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.768 min Scan# 649
 Delta R.T. -0.000 min
 Lab File: BN038224.D
 Acq: 01 Dec 2025 11:35

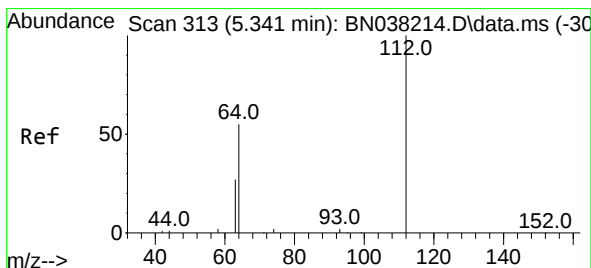
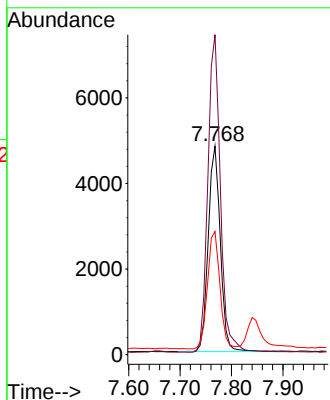
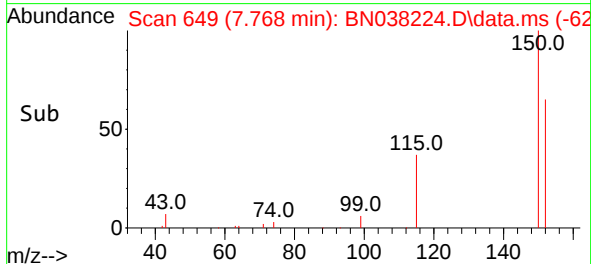
Instrument :
 BNA_N
 ClientSampleId :
 HW1025-PT-TRIAZINE-SOIL



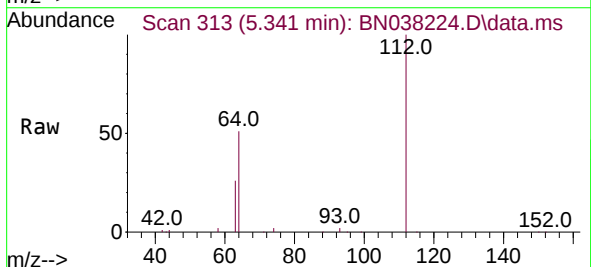
Tgt Ion:152 Resp: 7893
 Ion Ratio Lower Upper
 152 100
 150 153.5 125.3 187.9
 115 59.0 49.0 73.4

Manual Integrations
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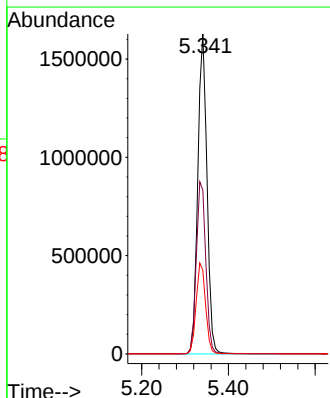
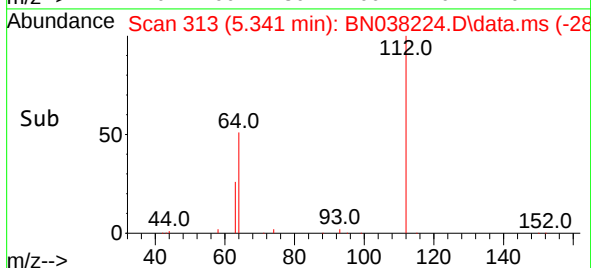
Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

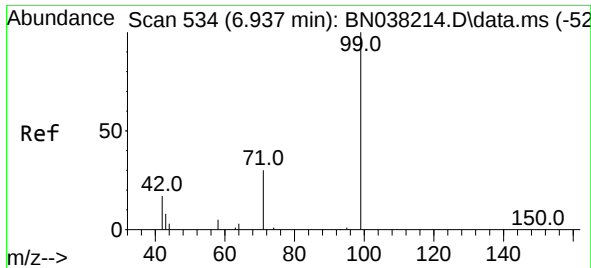


#4
 2-Fluorophenol
 Concen: 129.506 ng
 RT: 5.341 min Scan# 313
 Delta R.T. 0.000 min
 Lab File: BN038224.D
 Acq: 01 Dec 2025 11:35



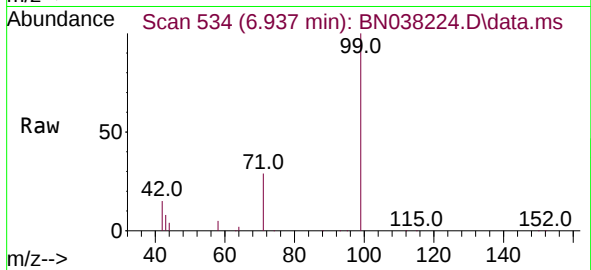
Tgt Ion:112 Resp: 2389169
 Ion Ratio Lower Upper
 112 100
 64 56.1 45.0 67.4
 63 29.4 23.2 34.8





#5
Phenol-d6
Concen: 146.856 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

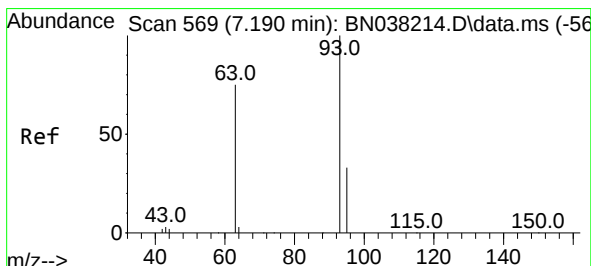
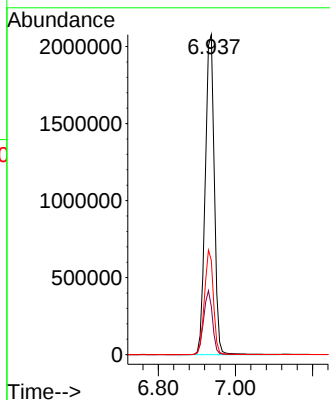
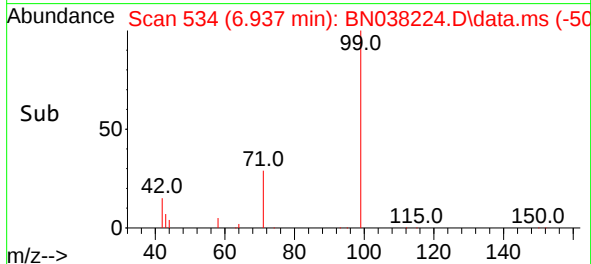
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL



Tgt Ion: 99 Resp: 338496
Ion Ratio Lower Upper
99 100
42 19.5 17.0 25.6
71 32.1 25.4 38.2

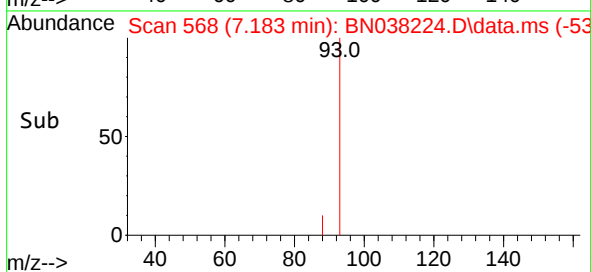
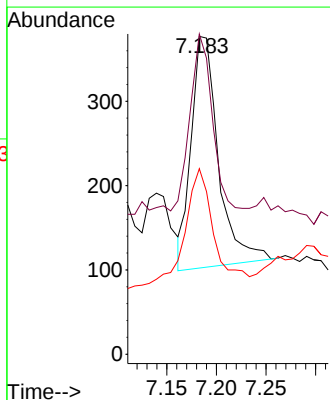
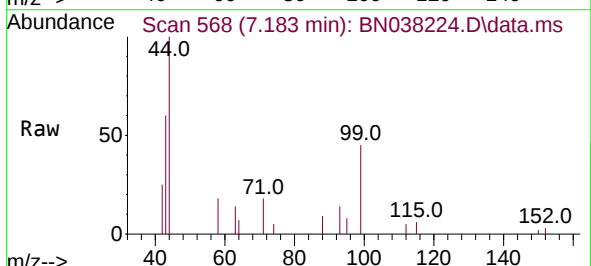
Manual Integrations
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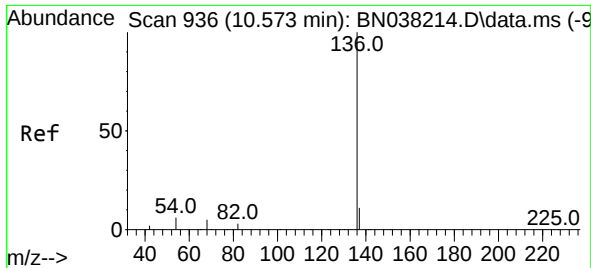
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.024 ng
RT: 7.183 min Scan# 568
Delta R.T. -0.007 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion: 93 Resp: 526
Ion Ratio Lower Upper
93 100
63 62.2 58.1 87.1
95 58.2 25.1 37.7#





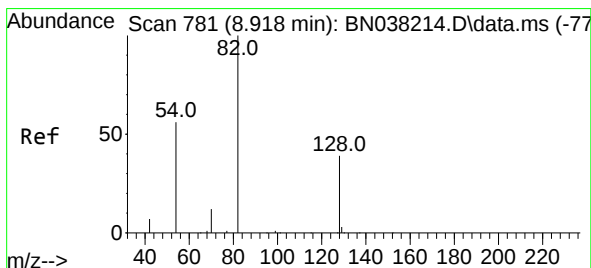
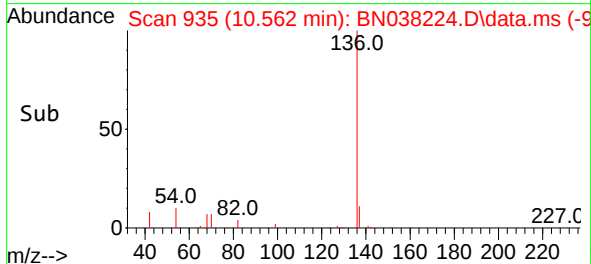
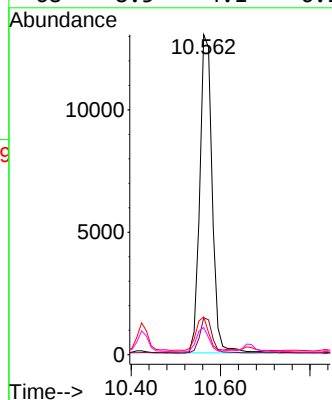
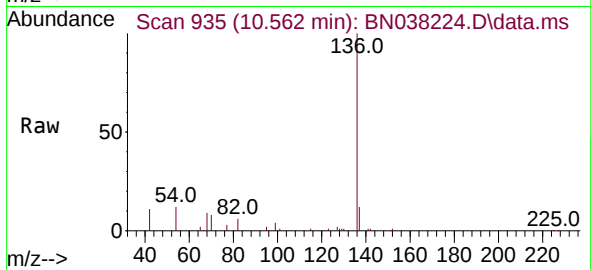
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument : BNA_N
ClientSampleId : HW1025-PT-TRIAZINE-SOIL

Tgt Ion:	136	Resp:	25055
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.9	13.3
54	11.8	5.4	8.0
68	8.5	4.1	6.1

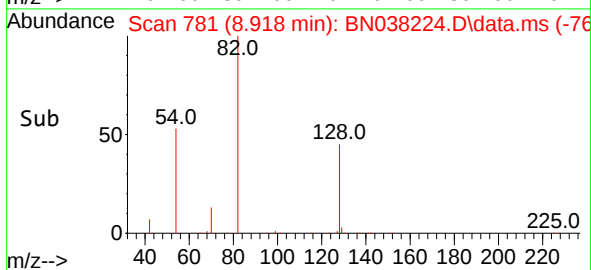
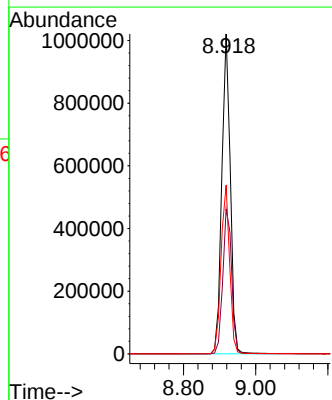
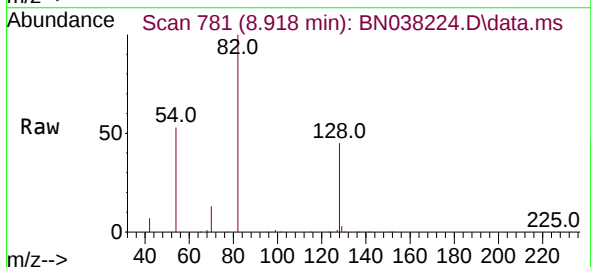
Manual Integrations
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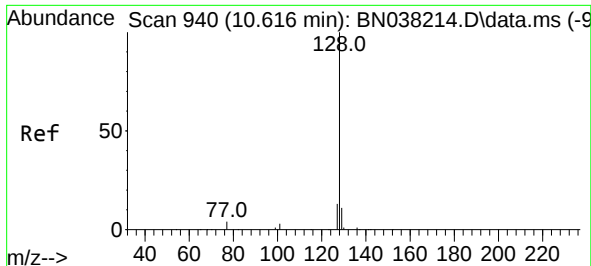
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#8
Nitrobenzene-d5
Concen: 83.571 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion:	82	Resp:	1674424
Ion Ratio	Lower	Upper	
82	100		
128	45.2	32.6	48.8
54	52.7	45.4	68.0





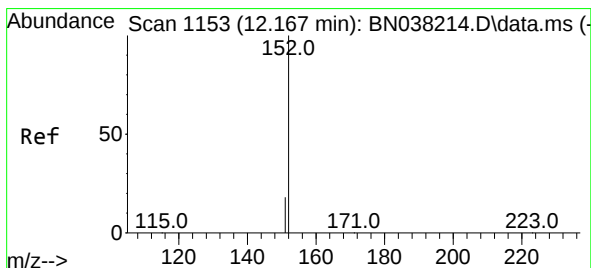
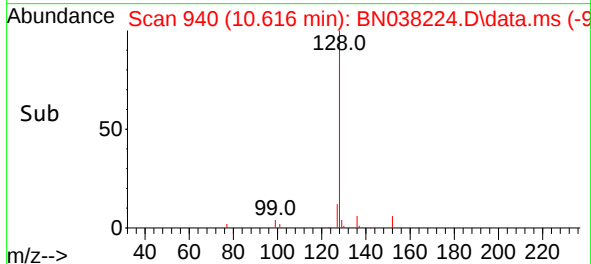
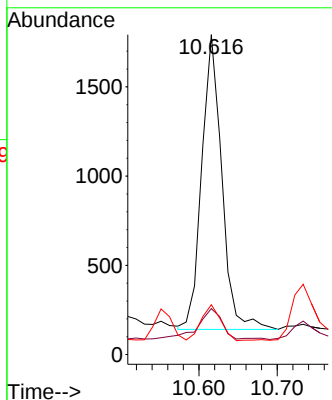
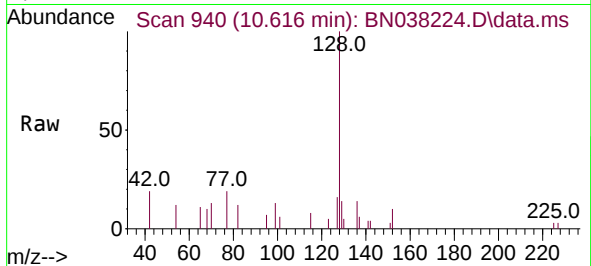
#9
Naphthalene
Concen: 0.042 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL

Tgt Ion:128 Resp: 2940
Ion Ratio Lower Upper
128 100
129 14.4 9.1 13.7
127 15.6 10.6 16.0

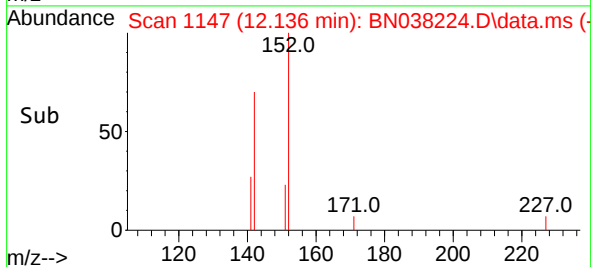
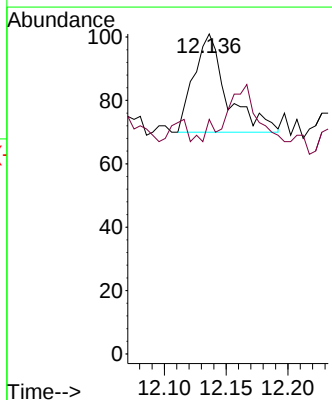
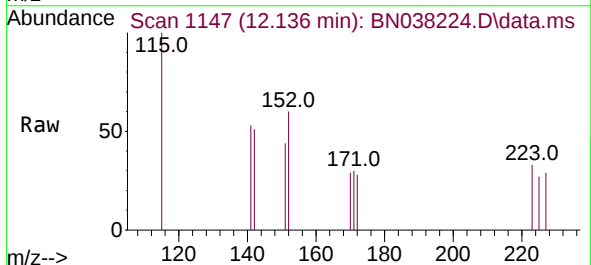
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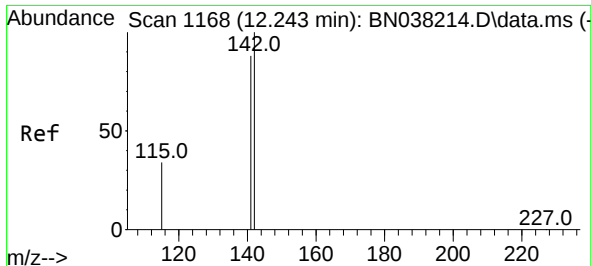
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#11
2-Methylnaphthalene-d10
Concen: 0.002 ng
RT: 12.136 min Scan# 1147
Delta R.T. -0.030 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

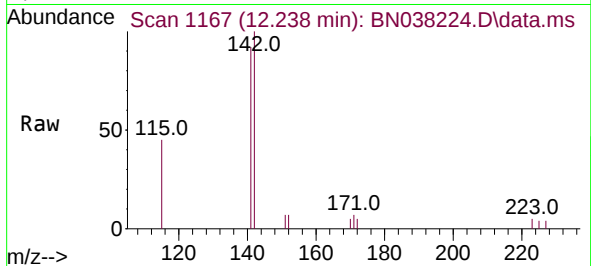
Tgt Ion:152 Resp: 58
Ion Ratio Lower Upper
152 100
151 0.0 16.7 25.1





#12
2-Methylnaphthalene
Concen: 0.039 ng
RT: 12.238 min Scan# 1167
Delta R.T. -0.005 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

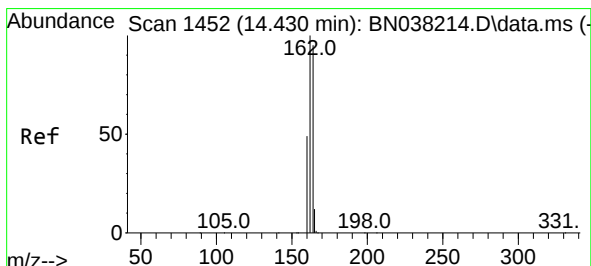
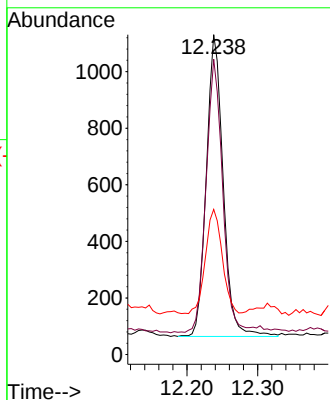
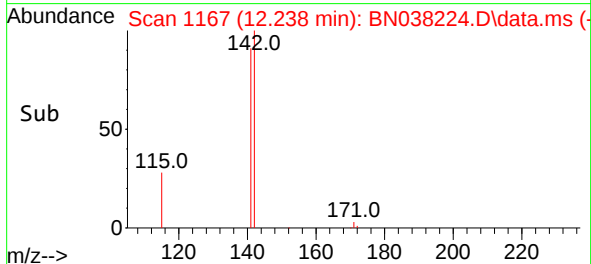
Instrument : BNA_N
ClientSampleId : HW1025-PT-TRIAZINE-SOIL



Tgt Ion:142 Resp: 1770
Ion Ratio Lower Upper
142 100
141 92.3 70.9 106.3
115 45.4 27.7 41.5

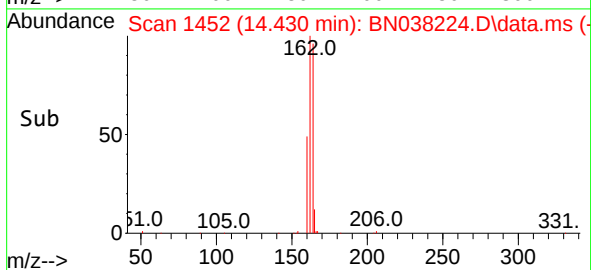
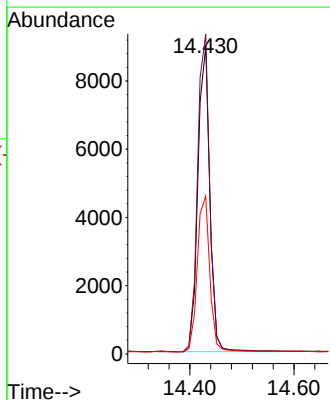
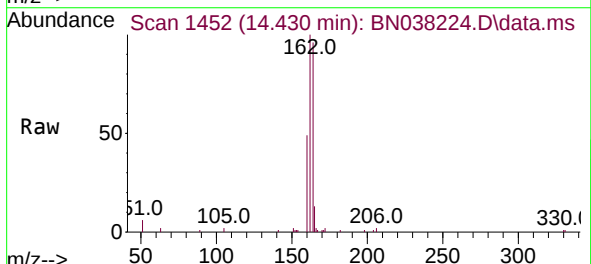
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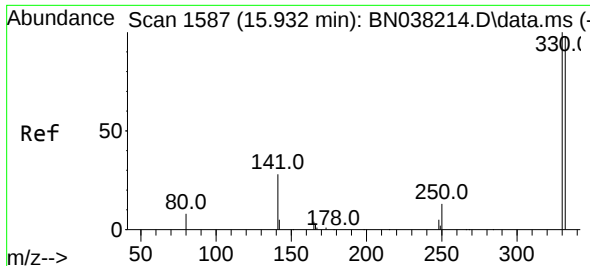
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

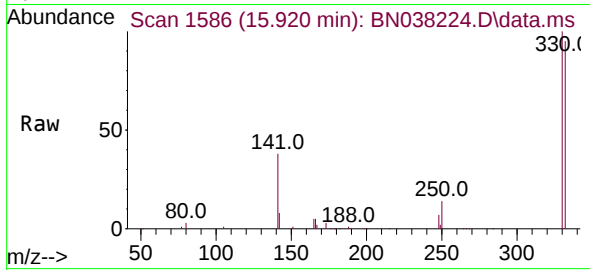
Tgt Ion:164 Resp: 14238
Ion Ratio Lower Upper
164 100
162 104.1 83.8 125.8
160 51.3 41.6 62.4





#14
2,4,6-Tribromophenol
Concen: 313.216 ng
RT: 15.920 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

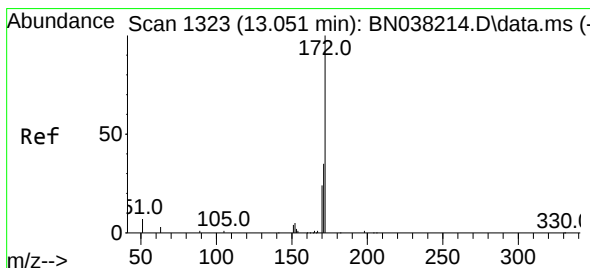
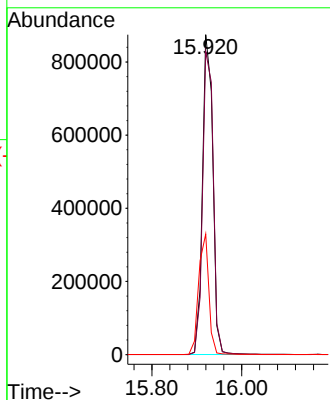
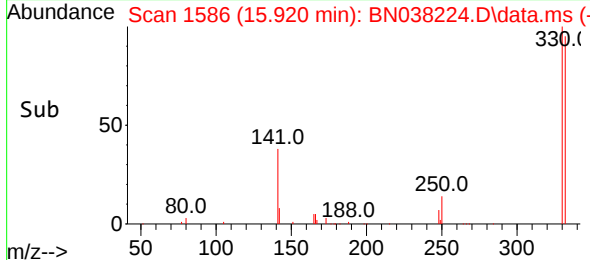
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL



Tgt Ion:330 Resp: 1403084
Ion Ratio Lower Upper
330 100
332 97.9 77.8 116.6
141 36.9 33.0 49.4

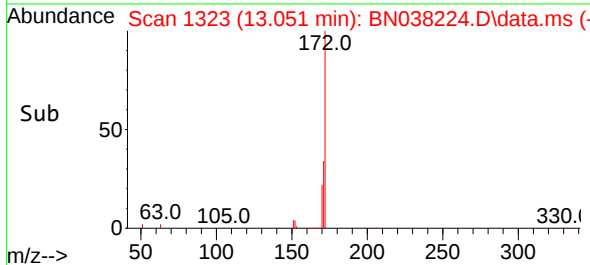
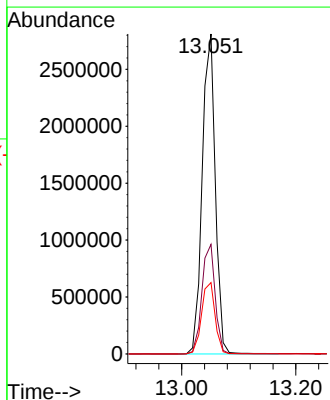
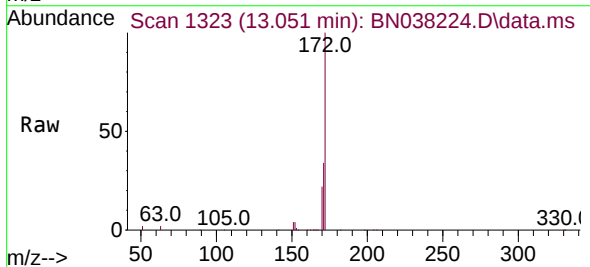
Manual Integrations
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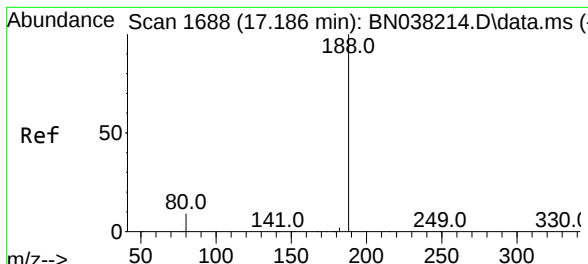
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#15
2-Fluorobiphenyl
Concen: 74.069 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion:172 Resp: 4073457
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 22.3 19.1 28.7



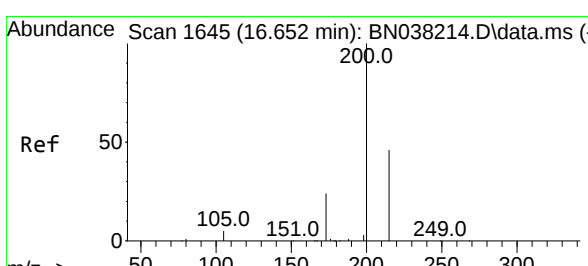
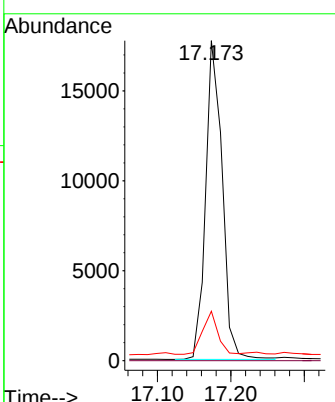
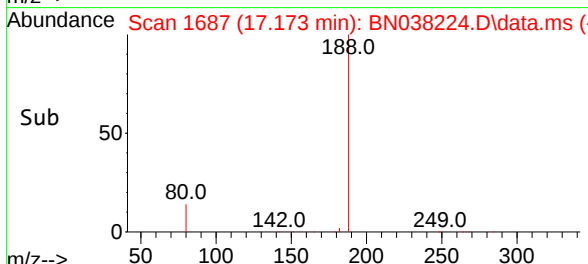
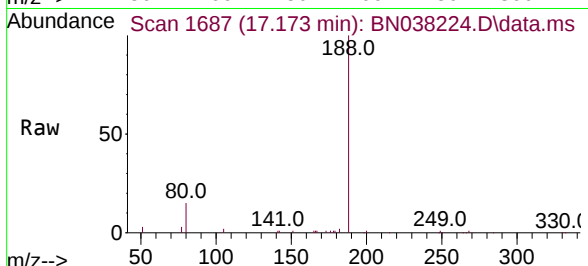


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument : BNA_N
ClientSampleId : HW1025-PT-TRIAZINE-SOIL

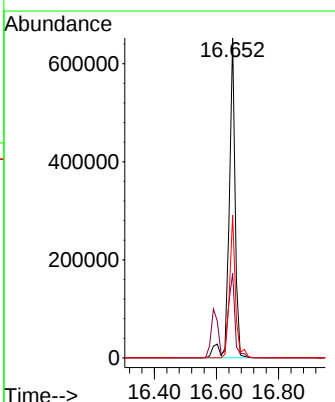
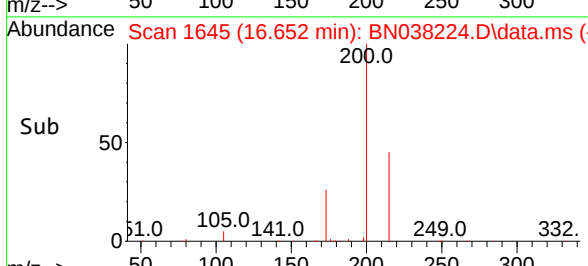
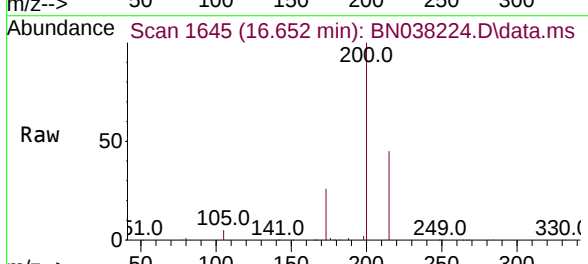
Tgt Ion:	188	Resp:	27784
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	15.4	7.7	11.5

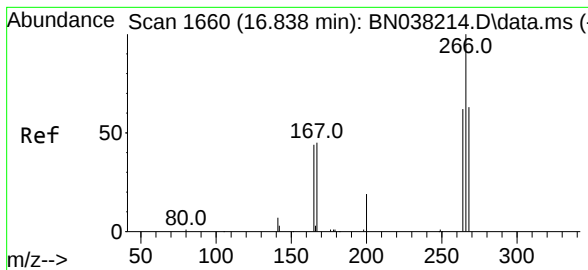
Manual Integrations
APPROVED
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#23
Atrazine
Concen: 70.570 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion:	200	Resp:	867567
Ion Ratio	Lower	Upper	
200	100		
173	26.4	21.0	31.6
215	44.6	37.8	56.8





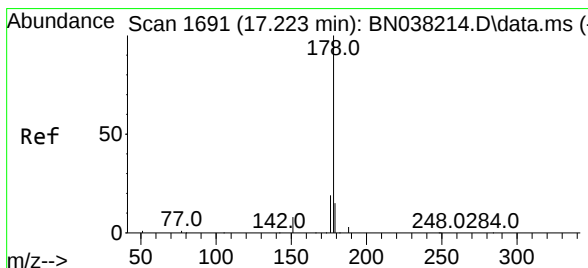
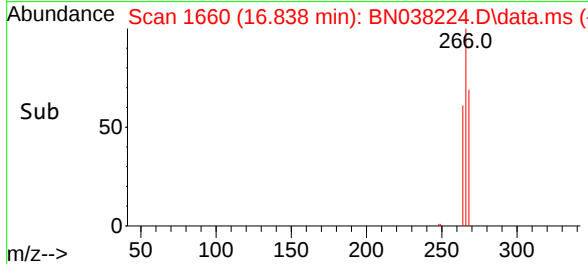
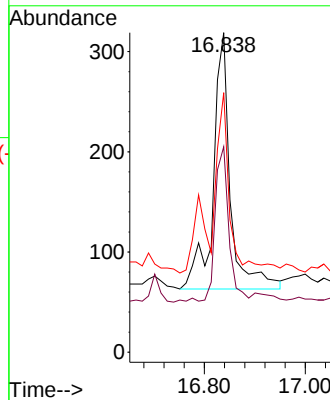
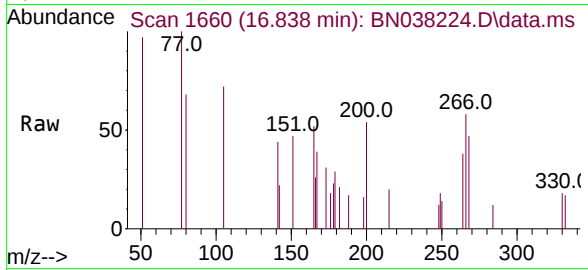
#24
Pentachlorophenol
Concen: 0.094 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL

Tgt Ion:266 Resp: 608
Ion Ratio Lower Upper
266 100
264 48.8 48.9 73.3
268 48.0 50.2 75.2

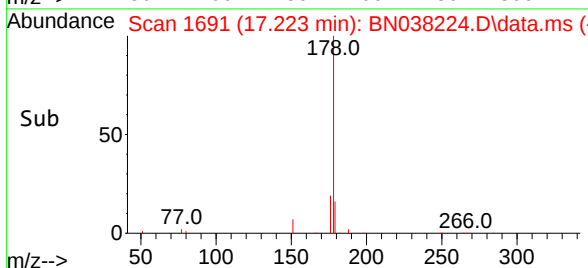
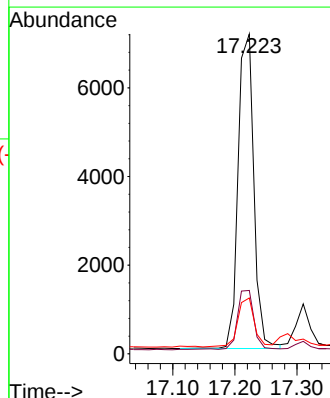
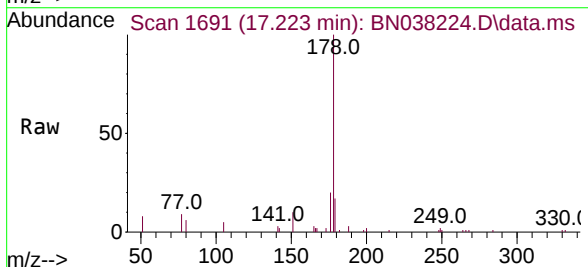
Manual Integrations
APPROVED

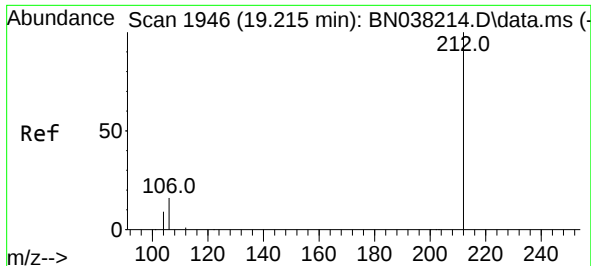
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#25
Phenanthrene
Concen: 0.142 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion:178 Resp: 12415
Ion Ratio Lower Upper
178 100
176 20.2 15.3 22.9
179 16.5 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.001 ng

RT: 19.211 min Scan# 1945

Delta R.T. -0.005 min

Lab File: BN038224.D

Acq: 01 Dec 2025 11:35

Instrument :

BNA_N

ClientSampleId :

HW1025-PT-TRIAZINE-SOIL

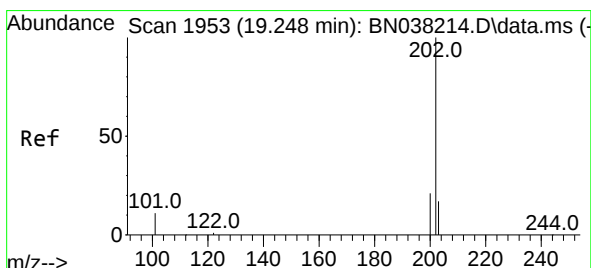
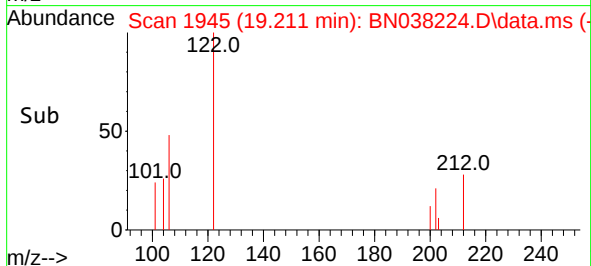
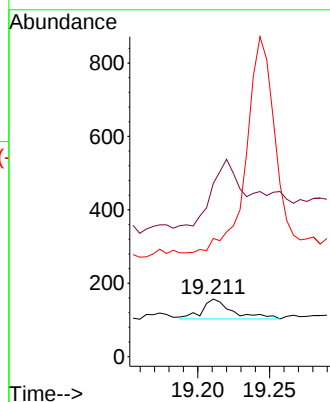
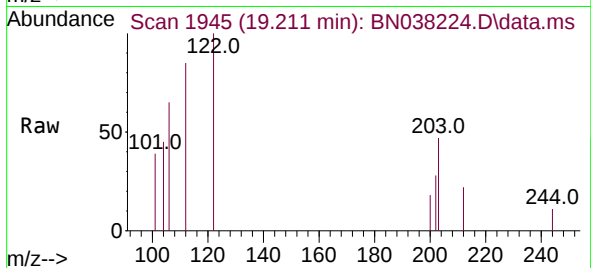
Tgt Ion:212 Resp: 78

Ion	Ratio	Lower	Upper
212	100		
106	300.0	12.7	19.1
104	0.0	7.3	10.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#28

Fluoranthene

Concen: 0.438 ng

RT: 19.243 min Scan# 1952

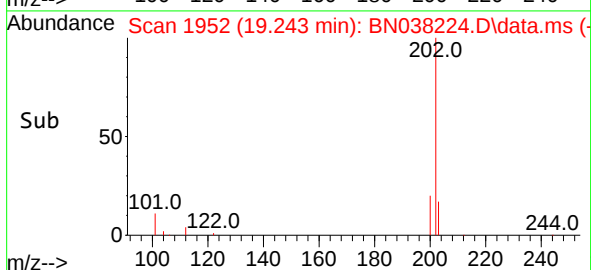
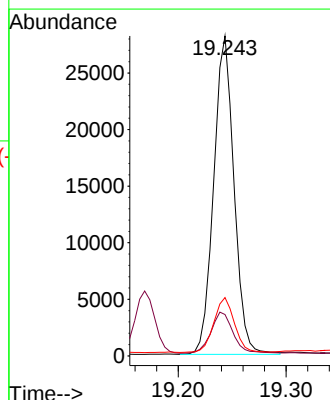
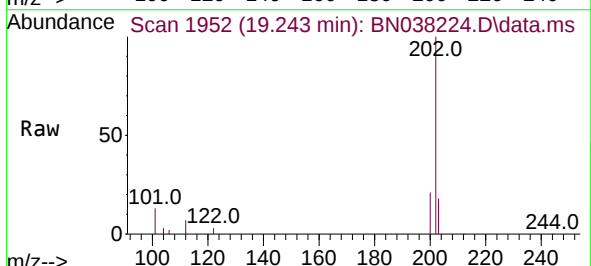
Delta R.T. -0.005 min

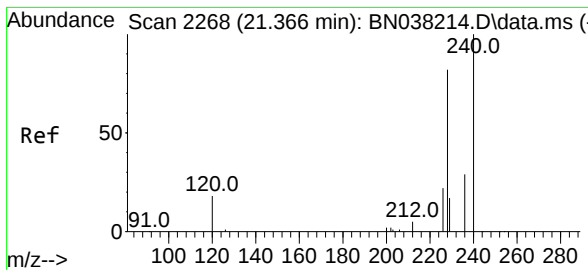
Lab File: BN038224.D

Acq: 01 Dec 2025 11:35

Tgt Ion:202 Resp: 36854

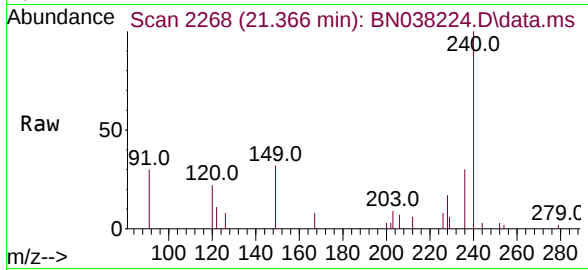
Ion	Ratio	Lower	Upper
202	100		
101	14.1	9.8	14.6
203	17.4	13.6	20.4





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.366 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

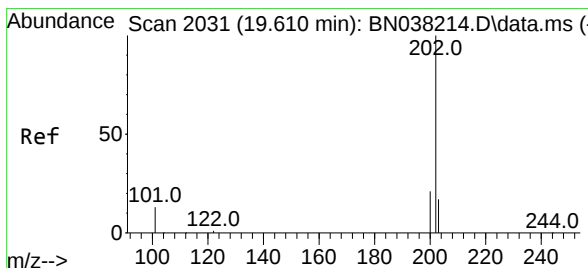
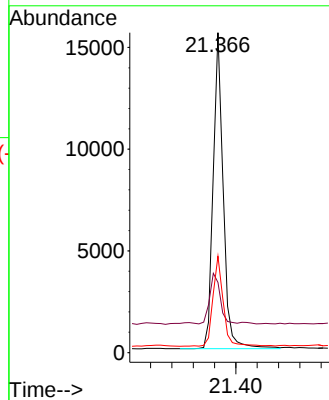
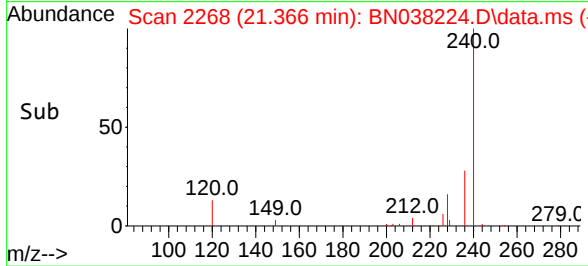
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL



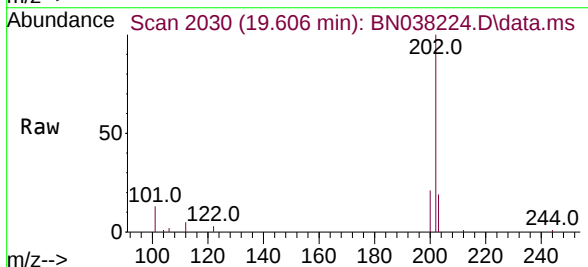
Tgt Ion:240 Resp: 2052
Ion Ratio Lower Upper
240 100
120 21.9 18.1 27.1
236 30.2 24.2 36.4

Manual Integrations
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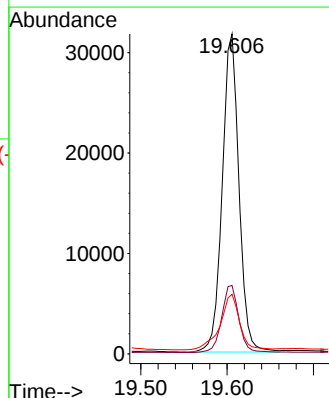
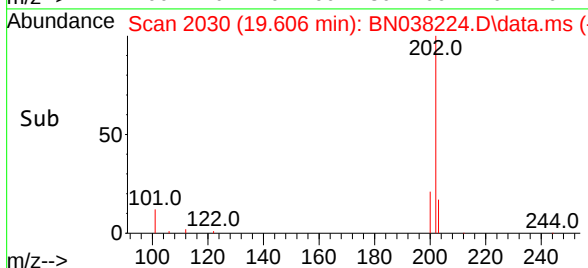
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

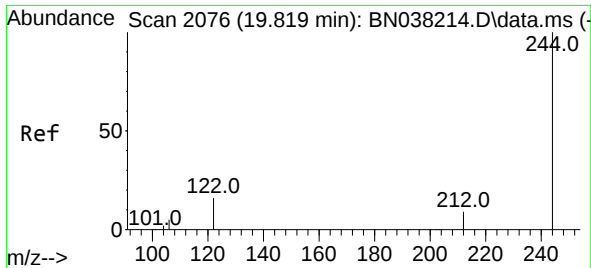


#30
Pyrene
Concen: 0.414 ng
RT: 19.606 min Scan# 2030
Delta R.T. -0.005 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35



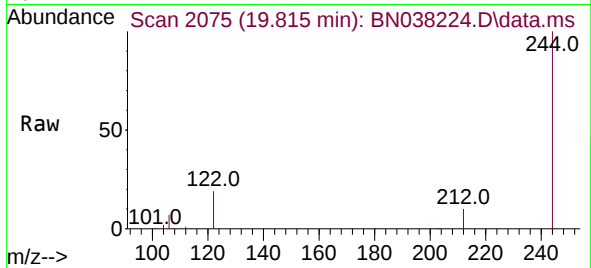
Tgt Ion:202 Resp: 42405
Ion Ratio Lower Upper
202 100
200 21.7 16.8 25.2
203 20.4 14.4 21.6





#31
 Terphenyl-d14
 Concen: 87.237 ng
 RT: 19.815 min Scan# 2076
 Delta R.T. -0.005 min
 Lab File: BN038224.D
 Acq: 01 Dec 2025 11:35

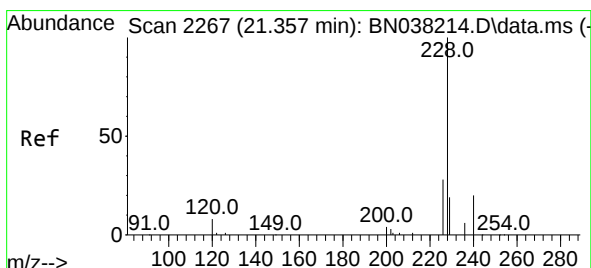
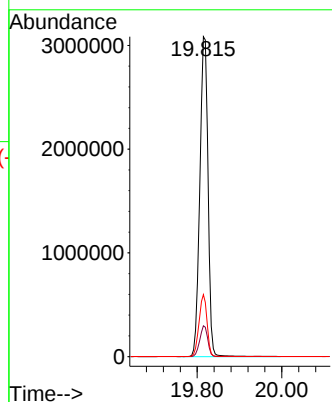
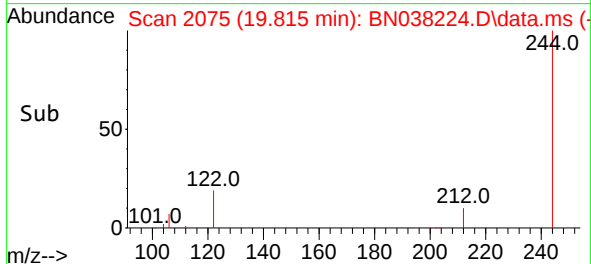
Instrument : BNA_N
 ClientSampleId : HW1025-PT-TRIAZINE-SOIL



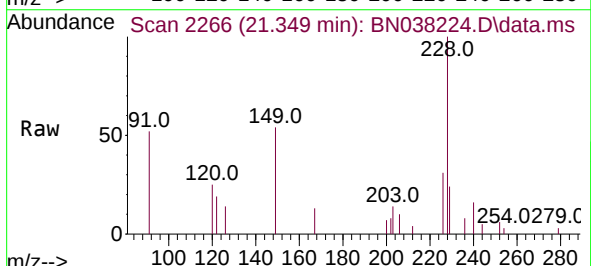
Tgt Ion:244 Resp: 4134638
 Ion Ratio Lower Upper
 244 100
 212 9.6 7.7 11.5
 122 19.4 13.6 20.4

Manual Integrations
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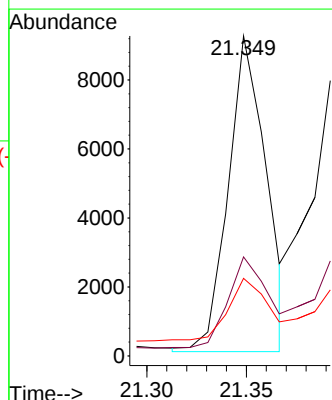
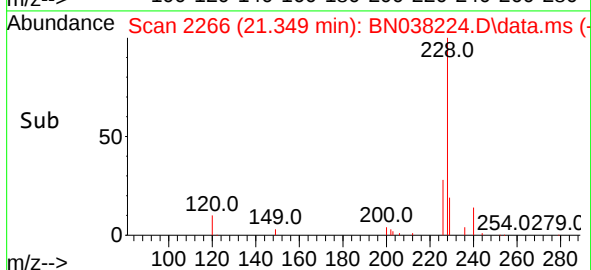
Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

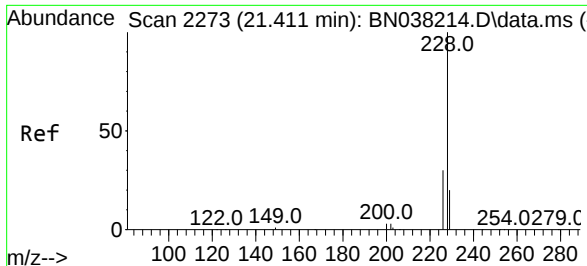


#32
 Benzo(a)anthracene
 Concen: 0.176 ng m
 RT: 21.349 min Scan# 2266
 Delta R.T. -0.009 min
 Lab File: BN038224.D
 Acq: 01 Dec 2025 11:35



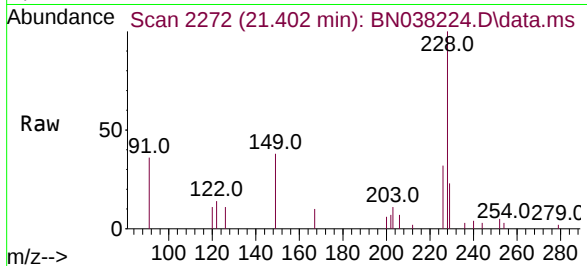
Tgt Ion:228 Resp: 12229
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.6 33.8
 229 24.2 15.8 23.8





#33
Chrysene
Concen: 0.259 ng
RT: 21.402 min Scan# 2125
Delta R.T. -0.009 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

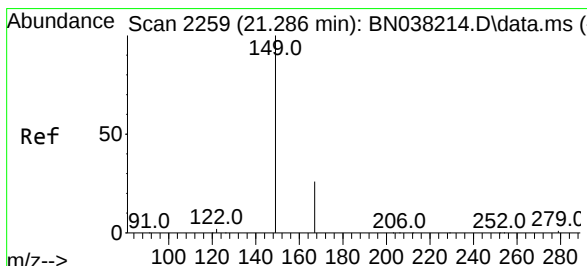
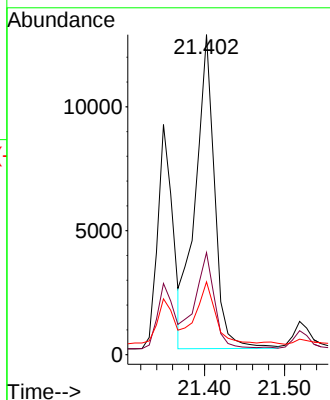
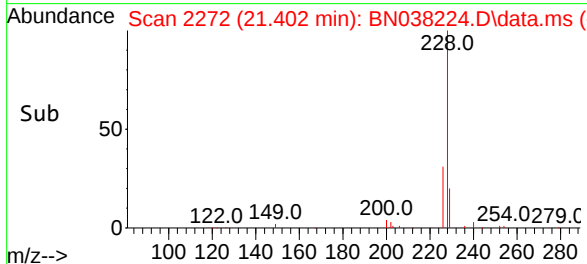
Instrument : BNA_N
ClientSampleId : HW1025-PT-TRIAZINE-SOIL



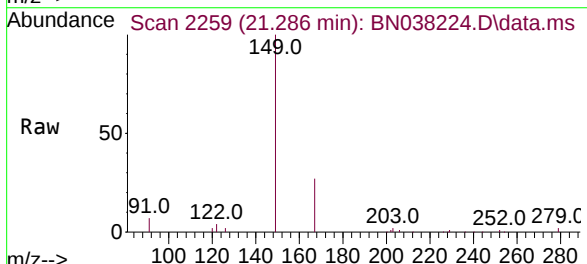
Tgt Ion:228 Resp: 2125
Ion Ratio Lower Upper
228 100
226 31.9 23.8 35.8
229 22.8 16.1 24.1

Manual Integrations
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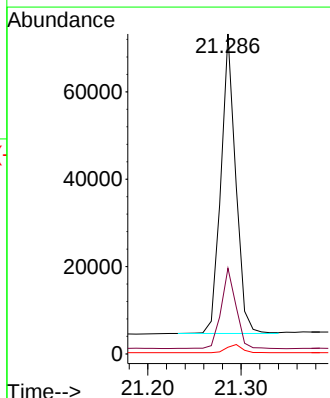
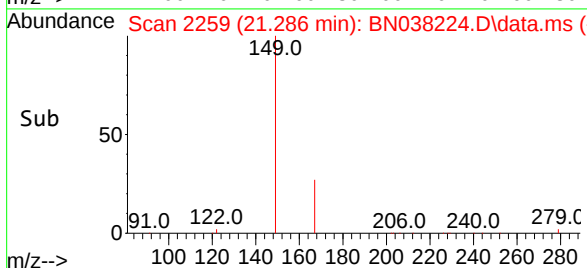
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

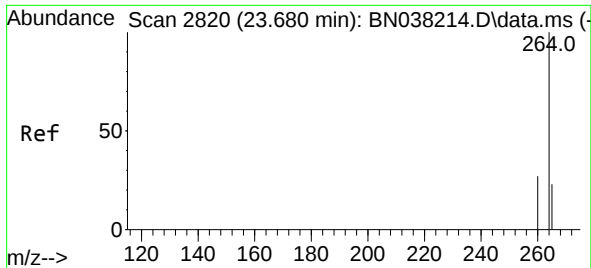


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.001 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35



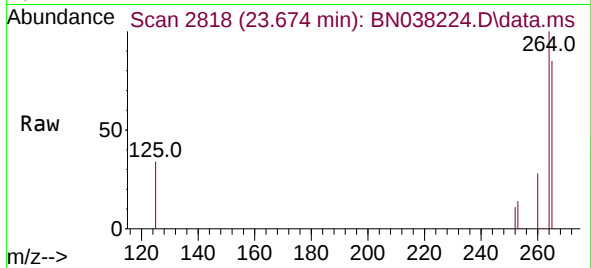
Tgt Ion:149 Resp: 76147
Ion Ratio Lower Upper
149 100
167 26.7 20.7 31.1
279 2.8 2.5 3.7





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.674 min Scan# 2818
 Delta R.T. -0.006 min
 Lab File: BN038224.D
 Acq: 01 Dec 2025 11:35

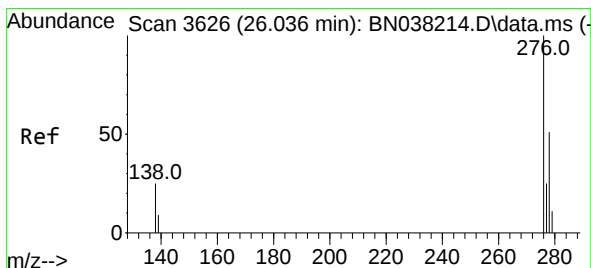
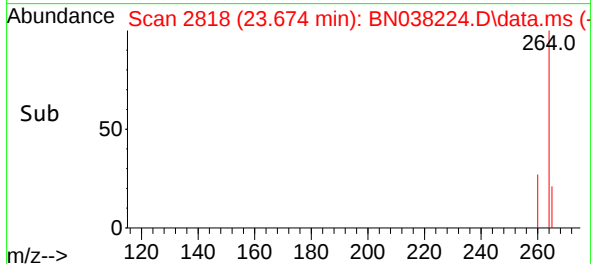
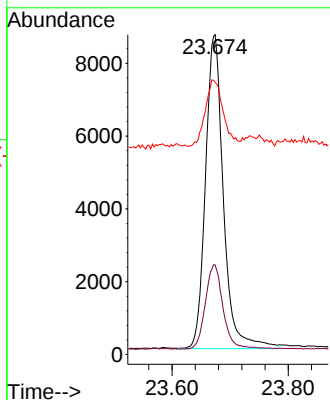
Instrument :
 BNA_N
 ClientSampleId :
 HW1025-PT-TRIAZINE-SOIL



Tgt Ion:264 Resp: 18472
 Ion Ratio Lower Upper
 264 100
 260 28.0 21.7 32.5
 265 85.1 98.0 147.0

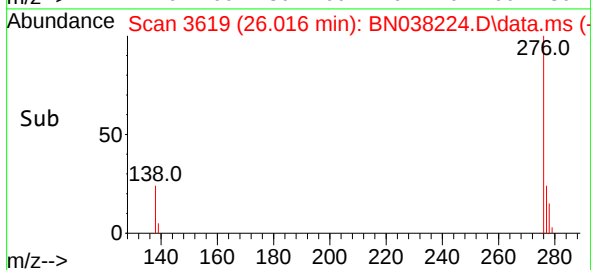
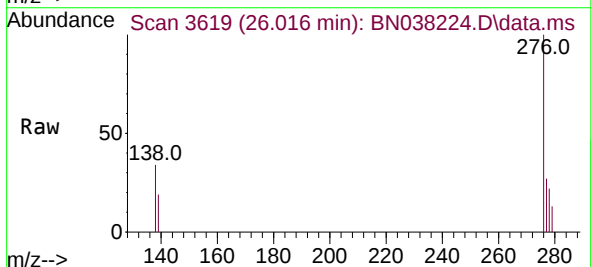
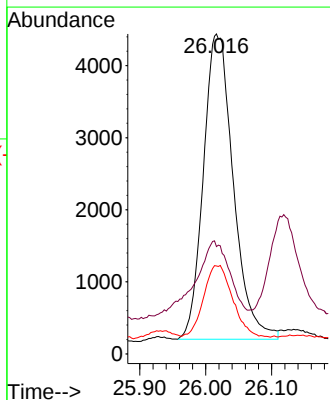
Manual Integrations
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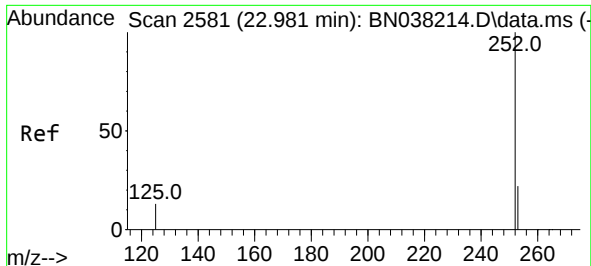
Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.156 ng
 RT: 26.016 min Scan# 3619
 Delta R.T. -0.020 min
 Lab File: BN038224.D
 Acq: 01 Dec 2025 11:35

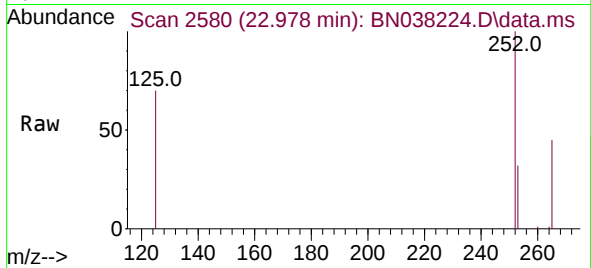
Tgt Ion:276 Resp: 13378
 Ion Ratio Lower Upper
 276 100
 138 27.9 21.4 32.2
 277 23.1 19.1 28.7





#37
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.978 min Scan# 2580
Delta R.T. -0.003 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

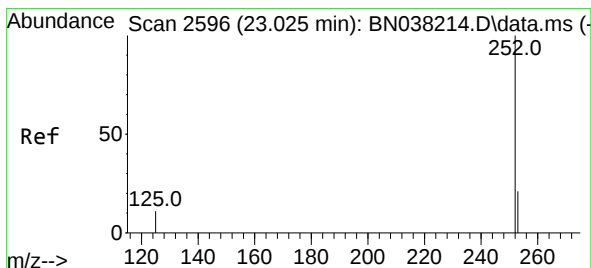
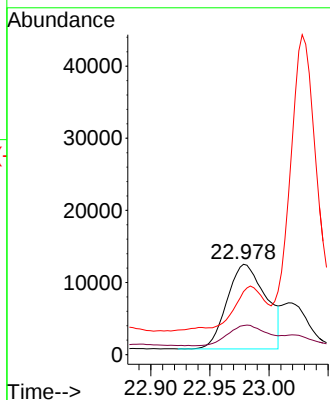
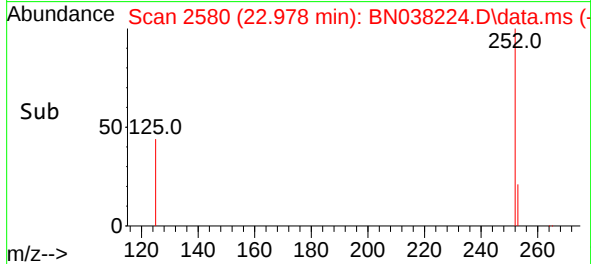
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL



Tgt Ion:252 Resp: 26942
Ion Ratio Lower Upper
252 100
253 32.2 22.2 33.4
125 69.6 18.0 27.0

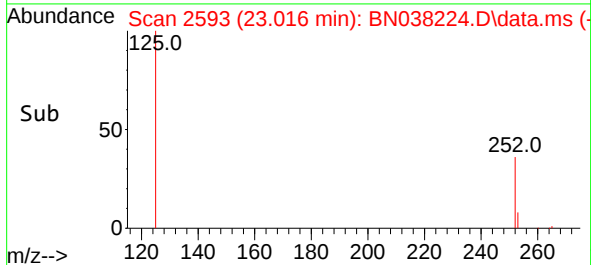
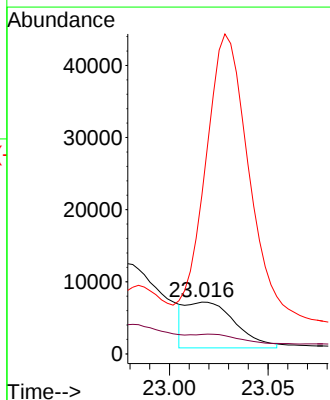
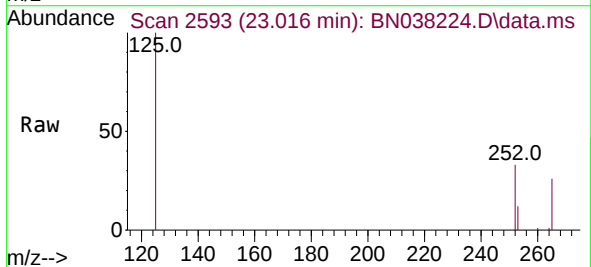
Manual Integrations
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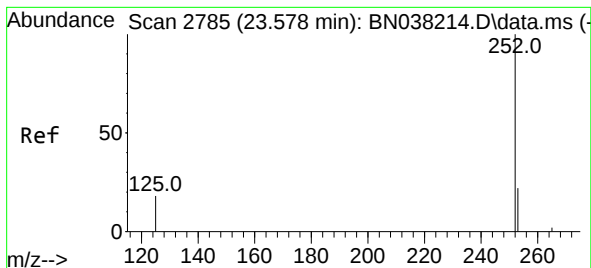
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#38
Benzo(k)fluoranthene
Concen: 0.143 ng m
RT: 23.016 min Scan# 2593
Delta R.T. -0.009 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion:252 Resp: 11239
Ion Ratio Lower Upper
252 100
253 37.7 22.4 33.6#
125 306.7 17.5 26.3#





#39

Benzo(a)pyrene

Concen: 0.222 ng

RT: 23.572 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN038224.D

Acq: 01 Dec 2025 11:35

Instrument :

BNA_N

ClientSampleId :

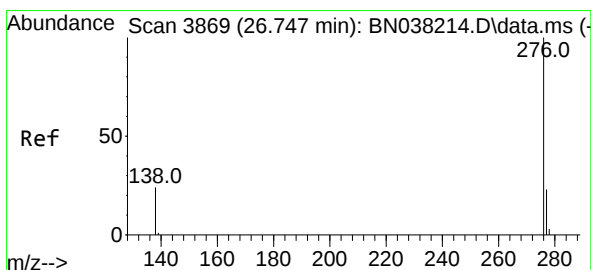
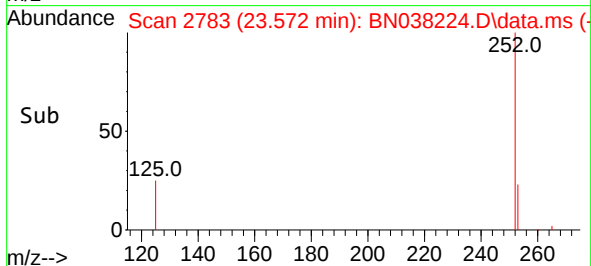
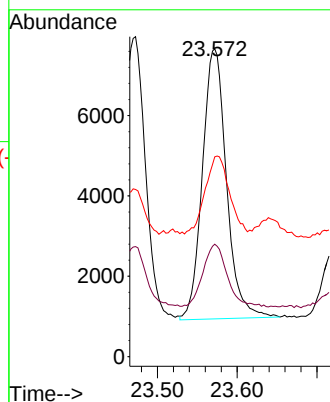
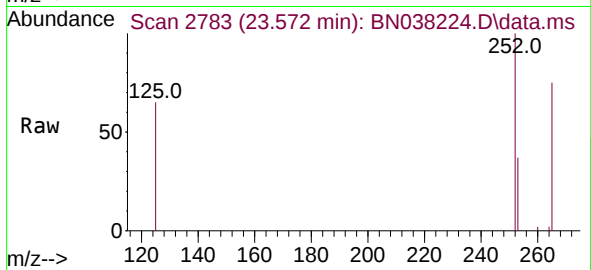
HW1025-PT-TRIAZINE-SOIL

Tgt Ion:	252	Resp:	14120
Ion Ratio	Lower	Upper	
252	100		
253	36.5	25.3	37.9
125	64.9	25.2	37.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#41

Benzo(g,h,i)perylene

Concen: 0.193 ng

RT: 26.738 min Scan# 3866

Delta R.T. -0.009 min

Lab File: BN038224.D

Acq: 01 Dec 2025 11:35

Tgt Ion:	276	Resp:	14918
Ion Ratio	Lower	Upper	
276	100		
277	26.6	20.2	30.2
138	33.1	20.8	31.2

